Torres Rojas, Genara

Subject:

From: andy mulderij [mailto.
Sent: Friday, October 07, 2011 6:32 PM
To: Buchbinder, Darrell
Subject: Request For Construction drawings,Of the twin towers,And its Lower Buildings

Hello My name is Andy Mulderij

I work and Life in the netherlands,

I am working on a Memorial Project,

My goal is to recreate the World Trade Center Complex as it was Before Sept 11 2001 In 3D,

I found Drawings on the internet Containing a set from The north tower,

But I want to make the other Buildings to,

Is it possible for me.To recieve a Set of Drawings to Complete This Project,

I do This project in all free time i have,I wil Submid the model after Completion To the Memorial and Museum,

I wil include some 3D animations Of the north towers Facade i already have build,

I Hope For Support,

Best Regards

Andy Mulderij,Heerlen,The Netherlands

Ps.The logo is Carried as Tribute!

--

Error! Filename not specified.

THE PORT AUTHORITY OF NY & NJ

Daniel D. Duffy
FOI Administrator

October 2, 2012

Mr. Andy Mulderij

Re: Freedom of Information Reference No. 12673

Dear Mr. Mulderij:

This is a response to your October 7, 2011 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code", copy attached) for copies of drawings related to the former WTC.

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/12673-WTC.pdf. Paper copies of the available records are available upon request.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

Attachment

225 Park Avenue South
New York, , NY 10003
T: 212 435 3642 F: 212 435 7555

* = PINNED SUPPORT FOR LAT'L SYSTEM

ELEV 310 / FLOOR 1
ORIGINAL FRAMING PLAN
SEE REVISIONS

ALL OTHER MEMBERS INCLUDED IN MODEL ARE FOR TRANSFERS

HOTEL / PLAZA
EL. 332'

COLUMN SCHEDULE

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

ROOF EL. 570'-0"
BALCONY EL. 550'-0"
22ND FLOOR EL. 547'-0"
21ST FLOOR EL. 531'-3"
20TH FLOOR EL. 522'-0"
19TH FLOOR EL. 512'-0"
18TH FLOOR EL. 503'-0"
17TH FLOOR EL. 493'-0"
16TH FLOOR EL. 484'-0"
15TH FLOOR EL. 474'-0"
14TH FLOOR EL. 465'-0"
13TH FLOOR EL. 455'-0"
12TH FLOOR EL. 446'-0"
11TH FLOOR EL. 436'-0"
10TH FLOOR EL. 427'-0"
9TH FLOOR EL. 417'-0"
8TH FLOOR EL. 408'-0"
7TH FLOOR EL. 398'-0"
6TH FLOOR EL. 389'-0"
5TH FLOOR EL. 379'-0"
4TH FLOOR EL. 370'-0"
3RD FLOOR EL. 354'-0"
2ND FLOOR EL. 332'-0"

H1 H2 H2.5 H3 H5 HP H4 H4.5 H5 H5

NOTE:
BOTTOM OF COLUMNS AT EXISTING BASE PLATES; REFER TO SURVEY FOR ELEVATIONS. VERIFY IN FIELD. COLUMNS OVERLAPPING EXISTING MILLED SURFACES ARE TO BE PREPARED TO FIT.

COLUMNS MARKED * REQUIRE MINIMUM YIELD STRENGTH OF 40 KSI TO BE CONFIRMED BY MILL TEST REPORTS AND HEAT NO.

RECEIVED
FEB 8 1991
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

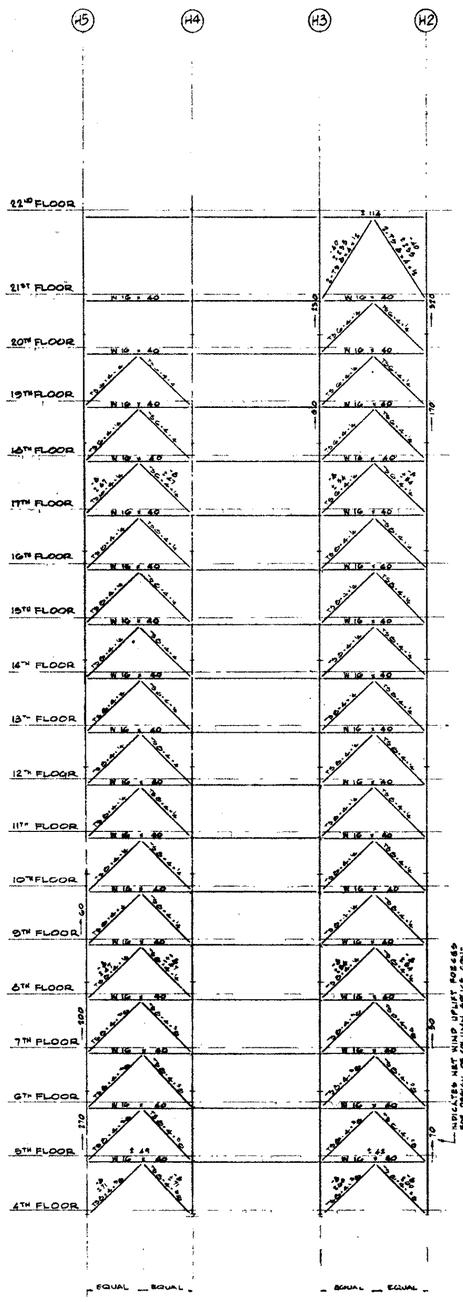
NO.	DATE	REVISIONS
	11-15-79	ISSUED FOR PORT AUTHORITY REVIEW
1	11-15-79	BULLETIN # 15
	11-9-79	ISSUED TO PORT AUTHORITY
4	12-6-78	BULLETIN # 11
3	11-15-78	BULLETIN # 10
2	11-1-78	BULLETIN # 7
	9-26-78	ISSUED TO PORT AUTHORITY
	9-14-78	
1	9-6-78	REVISED AS NOTED
	8-23-78	ISSUED FOR STRUCTURAL STEEL ONLY FROM 2ND FLOOR THRU ROOF
2	6-23-78	REVISION AS NOTED.
1	6-8-78	REVISION AS NOTED.
	5-8-78	ISSUED FOR STRUCTURAL STEEL ONLY FROM 3RD TO 4TH FLOOR.
	7-31-78	ISSUED FOR STRUCTURAL STEEL ONLY FROM 4TH TO 2ND FLOOR.

AS BUILT DWGS

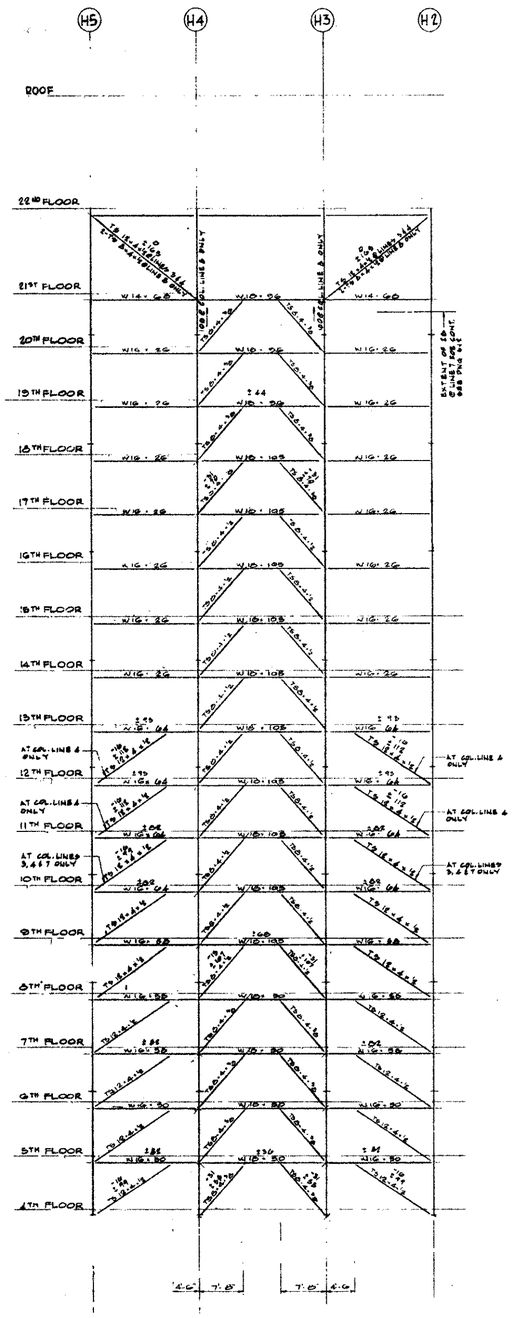
COLUMN SCHEDULE

DATE JUNE 1, 1978
DRAWING NO. S-10
SCALE
PROJECT NO. 1450

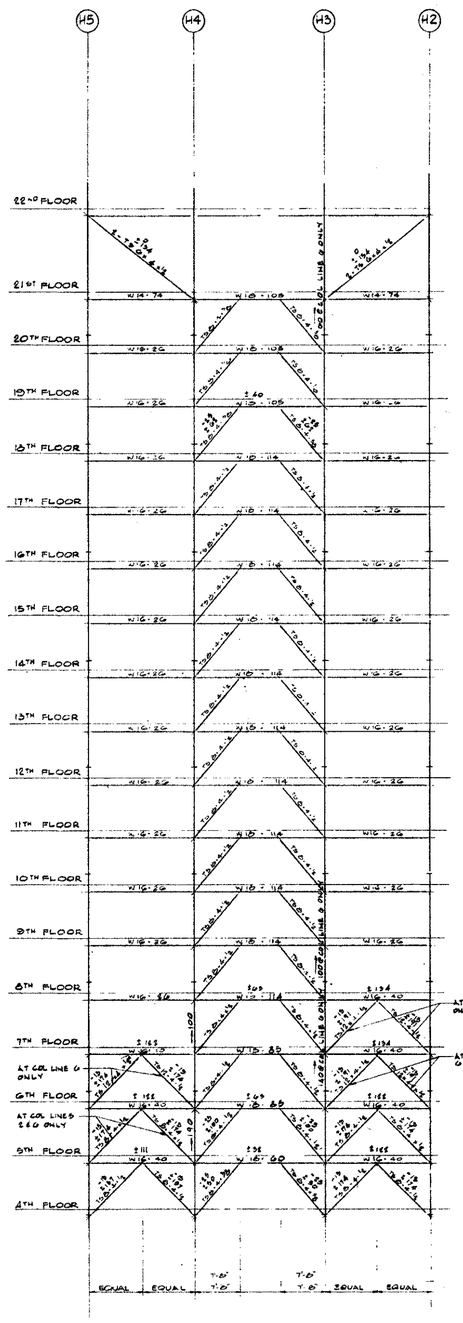
3-78-200



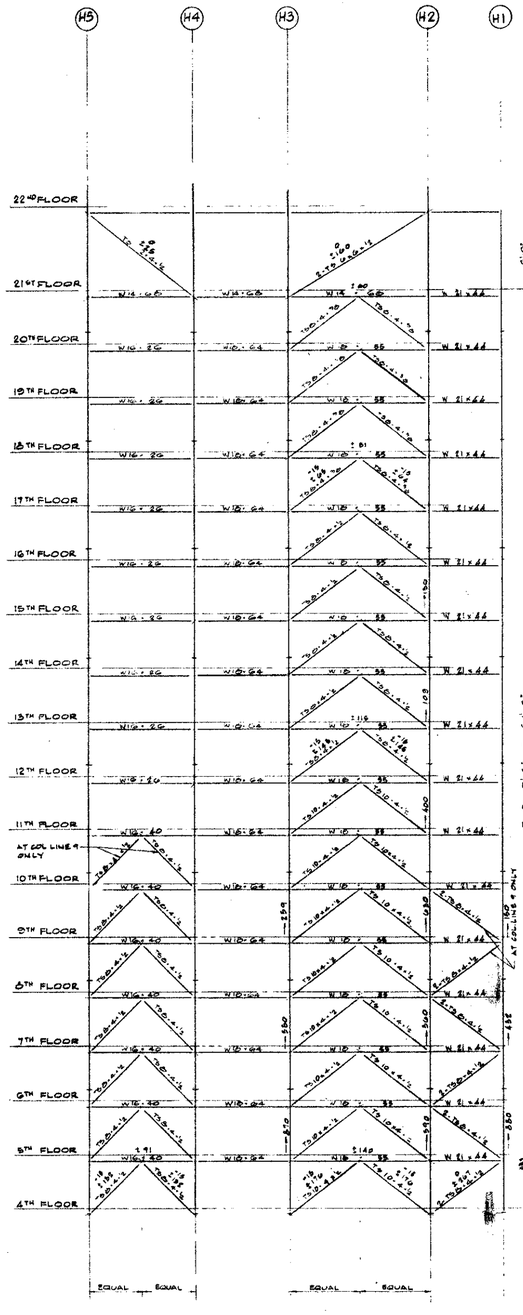
WIND BENT No 1 AT COL. LINE 1



WIND BENT No 2 AT COL. LINES 3 & 4
WIND BENT No 2A AT COL. LINE 8
WIND BENT No 2B AT COL. LINE 7



WIND BENT No 3 AT COL. LINES 2 & 5
WIND BENT No 3A AT COL. LINE 6



WIND BENT No 4 AT COL. LINE 9
WIND BENT No 4A AT COL. LINE 10

SEE FRAMING PLANS FOR SKEWED WIND GIRDER CONDITIONS.

NOTES:
1. DESIGN CONNECTIONS FOR LOADS SHOWN AT CHANGE IN MEMBER SIZES UNLESS OTHERWISE NOTED.
2. AXIAL FORCES ON WIND MEMBERS ARE GIVEN IN KIPS
3. TOP LINE INDICATES GRAVITY FORCES
4. SECOND LINE INDICATES WIND FORCES
5. + INDICATES TENSION IN MEMBERS
6. - INDICATES COMPRESSION IN MEMBERS

AS-BUILT DWGS

3-78-200

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

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ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

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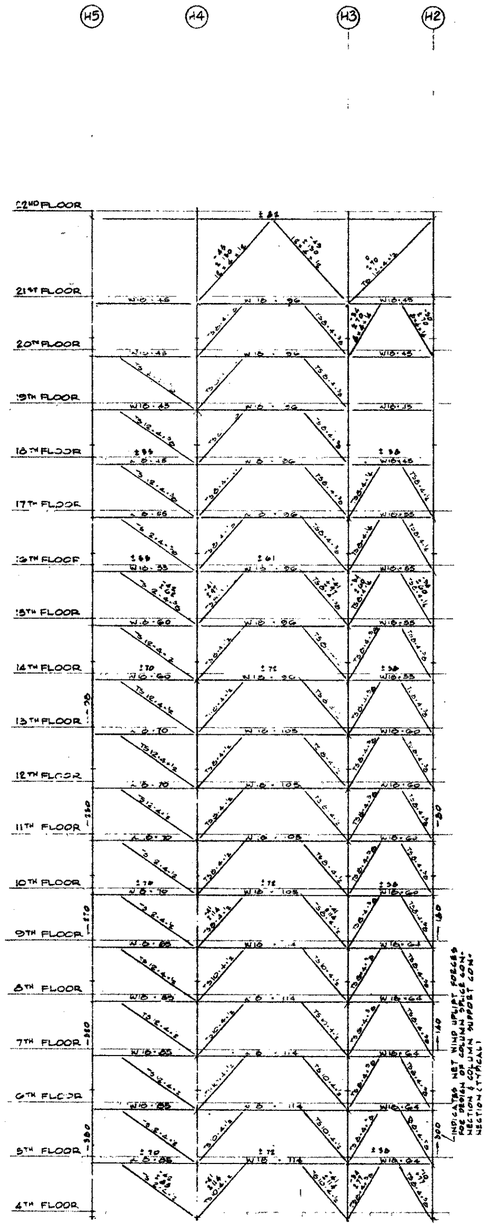
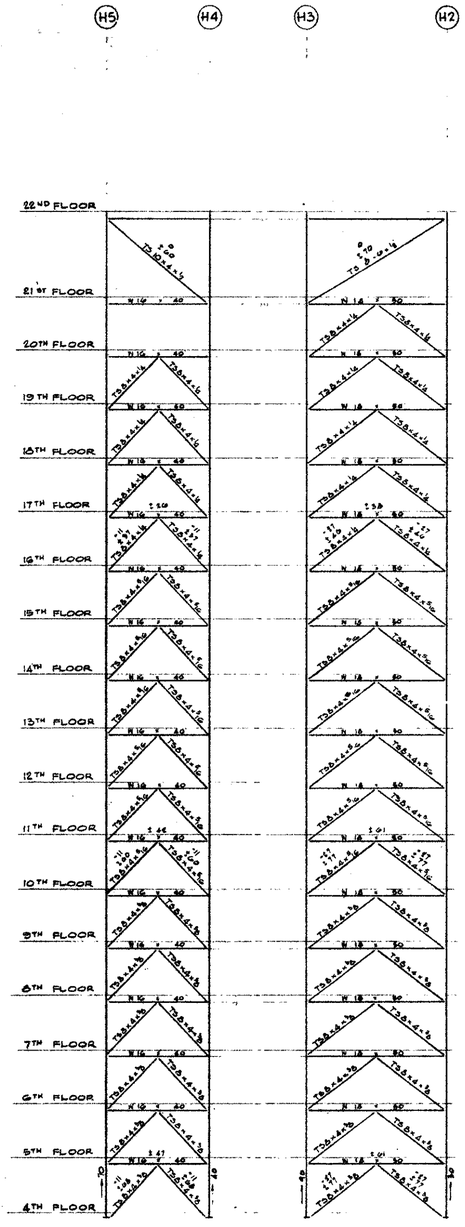
NO.	DATE	REVISIONS
	1-15-79	ISSUED FOR PORT AUTHORITY REVIEW
	1-5-79	ISSUED TO PORT AUTHORITY
3	12-6-78	BULLETIN # 11
2	10-27-78	PSS BULLETIN #6
	10-26-78	ISSUED TO PORT AUTHORITY
1	9-21-78	ISSUED FOR WIND BENTS UP TO UNDERSIDE OF SKY L.
	7-31-78	ISSUED FOR STRUCTURAL STEEL ONLY

WIND BENTS & DETAILS
SHEET 1

DATE: JUNE 1, 1978
SCALE:
DRAWING NO. S-11

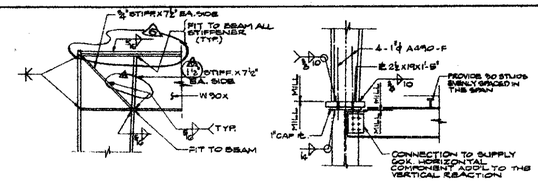


WIND BENT Nº 5 AT
COLUMN LINE 13

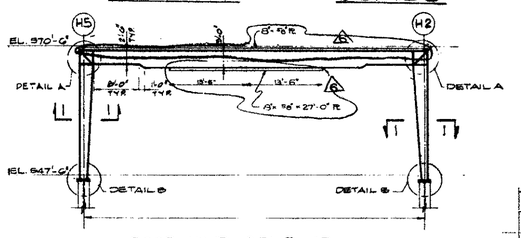


WIND BENT NO. 6 AT
COLUMN LINE 11

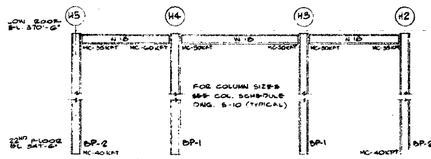
NOTES:
1. DESIGN CONNECTIONS FOR LOADS SHOWN AT CHANGE IN MEMBER SIZES UNLESS OTHER WISE NOTED.
2. AXIAL FORCES ON WIND MEMBERS ARE GIVEN IN KIPS.
3. TOP LINE INDICATES GRAVITY FORCE & SECOND LINE INDICATES WIND FORCE
   + INDICATES TENSION IN MEMBERS
   - INDICATES COMPRESSION IN MEMBERS



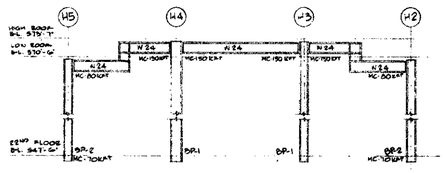
DETAIL A DETAIL B



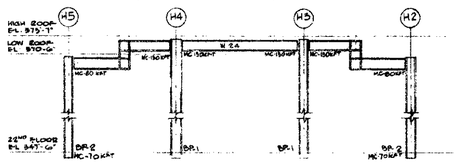
ROOF WIND BENT AT
COLUMN LINES 6, 7 & 8



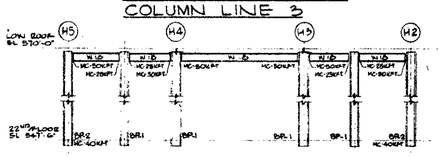
ROOF WIND BENT AT
COLUMN LINE 1



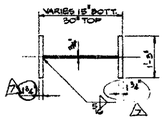
ROOF WIND BENT AT
COLUMN LINE 2

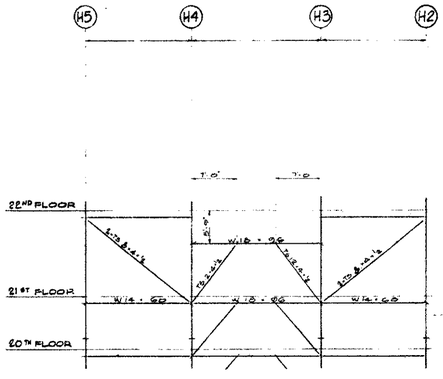


ROOF WIND BENT AT
COLUMN LINE 3

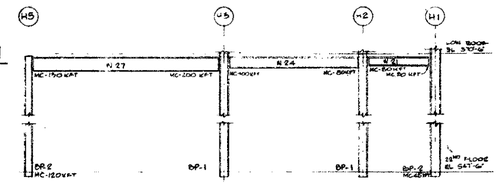


ROOF WIND BENT AT
COLUMN LINE 5

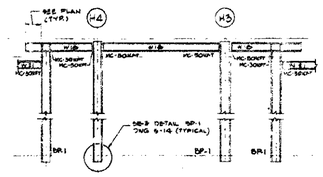




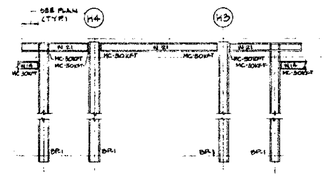
WIND BENT Nº 2B AT
COLUMN LINE 7



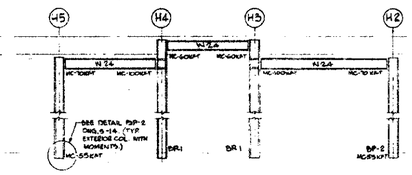
ROOF WIND BENTS AT
COLUMN LINES 9 & 10



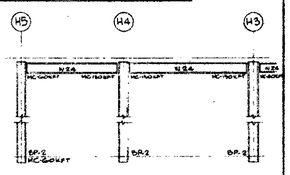
ROOF WIND BENT AT
COLUMN LINE 3.4



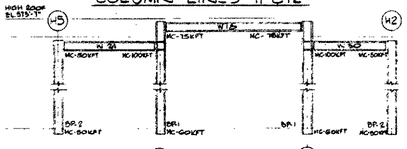
ROOF WIND BENT AT
COLUMN LINE 4.2



ROOF WIND BENT AT
COLUMN LINES 11 & 12



ROOF WIND BENT AT
COLUMN LINE 5.5



ROOF WIND BENT AT
COLUMN LINE 13

NOTES:
1. - FOR COL. SIZES SEE COLUMN SCHEDULE DWG. S-10
2. - FOR COLUMN BASE DETAIL OF ROOF WIND BENT SEE DETAIL BP-1 DWG S-14. PROVIDE AT BASE OF WIND BENT COLUMNS WITH BEAMS AT ONE SIDE ONLY. DETAIL SIMILAR TO BP-1 WITH CAPACITY AS SHOWN IN THIS ELEVATION.

RECEIVED
FEB 8 1991
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

AS-BUILT DWGS

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
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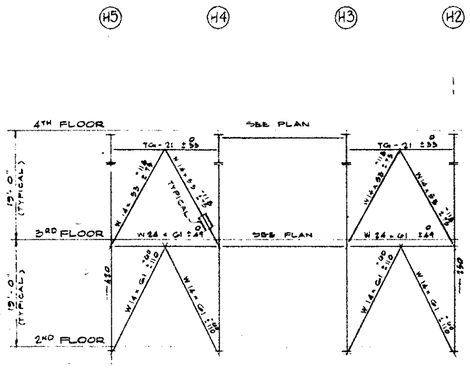
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

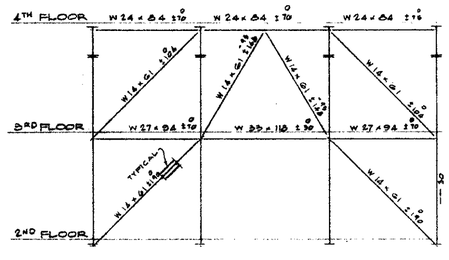
NO.	DATE	REVISIONS
6	2-7-79	SEE BULLETIN # 32
5	3-20-79	SEE BULLETIN # 19
	5-15-79	ISSUED FOR PORT AUTHORITY REVIEW
4	11-15-79	BULLETIN # 15
	1-3-79	ISSUED TO PORT AUTHORITY
3	12-6-78	SEE BULLETIN # 11
2	10-27-78	SEE BULLETIN # 6
	10-16-78	ISSUED TO PORT AUTHORITY
1	10-2-78	ISSUED FOR WIND BEAM TO BE TO UNDERSIDE OF SLOT FL.
	8-25-78	ISSUED FOR STRUCTURAL STEEL ONLY, ROOM 22ND FLOOR THRU ROOF
	7-31-78	ISSUED FOR STRUCTURAL STEEL ONLY, FROM 4TH FLOOR THRU 21ST FLOOR

WIND BENTS & DETAILS
SHEET 2

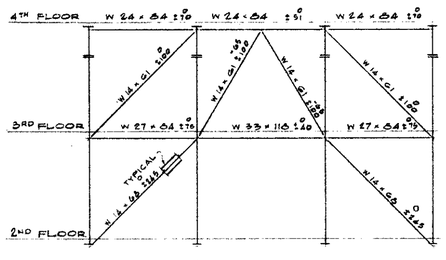
DATE: JUNE 1, 1978
SCALE:
DRAWING NO. S-12



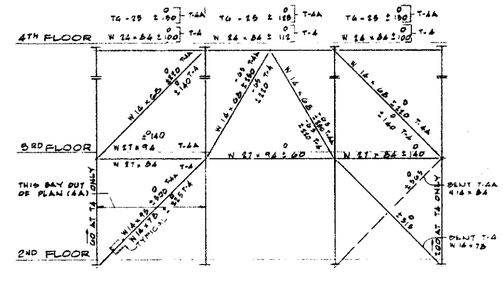
WIND BENT Nº T-1
AT COL. LINE 1



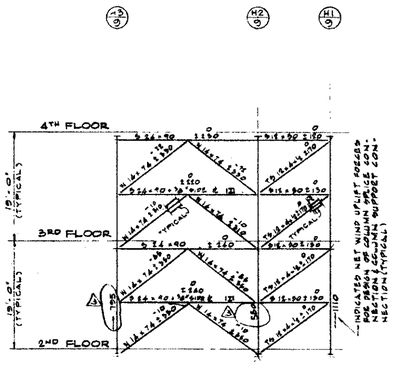
WIND BENT Nº T-2
AT COL. LINE 2

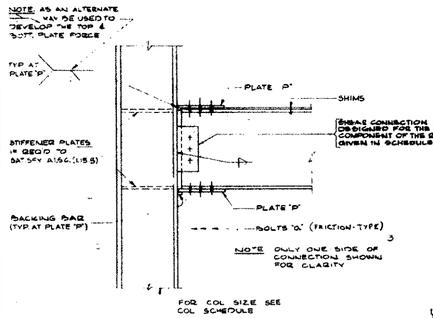


WIND BENT Nº T-3
AT COL. LINE 3

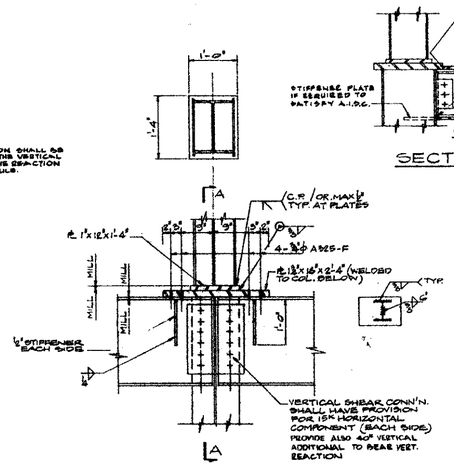


WIND BENT Nº T-4 AT COL. LINE 4
WIND BENT Nº T-4A AT COL. LINE 5

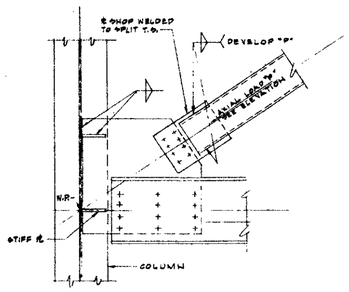

-2
9
H2
9
H1
9
4TH FLOOR
W 24 x 50 ± 100
W 24 x 50 ± 100
W 24 x 76 ± 120
W 24 x 76 ± 120
W 24 x 76 ± 120



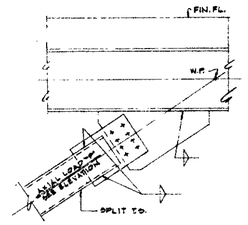
MOMENT CONNECTION TYPE-1



DETAIL BP-1



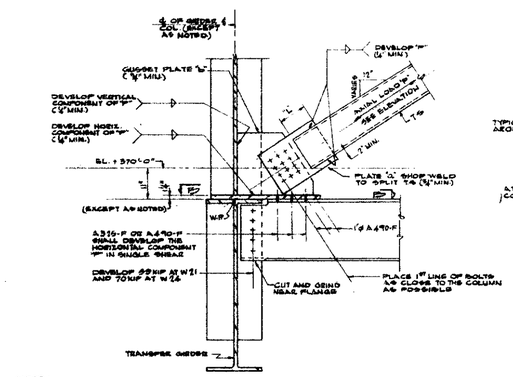
TYPICAL DIAGONAL DETAIL AT WIND BENTS



TYPICAL DIAGONAL DETAIL AT WIND BENTS

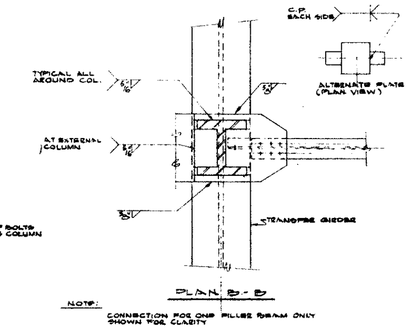
MOMENT CONNECTION (TYPE-1) SCHEDULE

MARK	BEAM SIZE	FLOOR LOCATION	DESIGN MOMENT K/FT	REACTION VERT. COMPONENT K/FT	REACTION HORIZ. COMPONENT K/FT	REMARKS
MC-1 MC-1A	W21 +	5TH & 6TH	230	60 TYPICAL		MC-1A IS SIMILAR TO MC-1 AND APPLIES TO ROOF SPANDRELS FRAMING INTO COLUMN W60.
		7TH & 8TH	195			
		9TH TO 11TH	175			
		12TH TO 14TH & ROOF	155			
		15TH TO 17TH	135			
		18TH TO 20TH & ROOF	110			
MC-2	W21 + W24 +	5TH & 6TH	347*	60 TYPICAL		* 310 @ W24-G ONLY. ♦ 45 @ W21-G ONLY.
		7TH, 8TH & 22ND	220			
		9TH TO 11TH	210			
		12TH TO 14TH	195			
		15TH TO 17TH	84			
		18TH TO 20TH	170			
MC-3	W16 +	5TH & 6TH	160	55 TYPICAL		
		7TH & 8TH	38			
		9TH TO 11TH & ROOF	128			
		12TH TO 14TH	118			
		15TH TO 17TH	108			
		18TH TO 20TH	98			
MC-4	W16 +	5TH & 6TH	270	72 TYPICAL		
		7TH & 8TH	250			
		9TH TO 11TH	240			
		12TH TO 14TH	230			
		15TH TO 17TH	220			
		18TH TO 20TH	208			
MC-5	W 36 +	3RD	400	150		
MC-6	W 36 +	3RD	480	190		
MC-7	W 30 +	ROOF	540	150		
MC-8	W 36 +	3RD	800	140		
MC-9	W 24 +	3RD ROOF	280	90		
MC-10	W 36 +	3RD & 4TH	810	140	90	
MC-11	W 36 +	3RD 4TH	835	140	90	
MC-12	W 27 + W 30 +	3RD 4TH	250	90	60	
MC-13	W 30 + W 24 +	3RD, 4TH & 22ND	170	100		70 (4TH FL. ONLY)
MC-14	W 21 + W 24 +	3RD, 4TH, 5TH & 22ND	80	60	60	
MC-15	W 24 + W 27 +	4TH, 5TH & 22ND	160	80		
MC-16	W 10 + W 24 +	22ND	300			
MC-17	W 30 +	22ND	350	TS @ 18 + 85 @ 36 +		
MC-18	W 14 W 12	3RD	40			



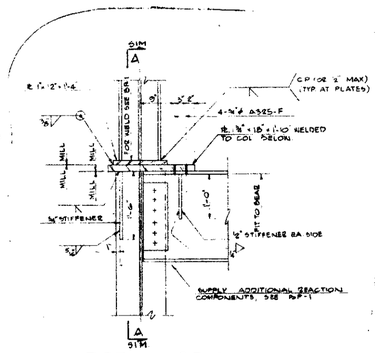
NOTE:
1. DISTANCE 'L' SHALL BE SUFFICIENT TO DEVELOP EITHER THE FILLET WELD OR BOLT OR THE DIAGONAL AXIAL LOAD IN BRACE BY PLATE 'A', WHICHEVER GOVERNS.

TYPICAL BASE DETAIL
(WIND BENTS 2, 2A, 2B, 3, & 3A)



PLAN B-B

NOTE:
CONNECTION FOR ONE FILLER BEAM ONLY SHOWN FOR CLARITY



DETAIL BP-2

GENERAL NOTES

THE FOLLOWING REQUIREMENTS, TOGETHER WITH THE PROJECT PLANS AND SPECIFICATIONS, SHALL APPLY TO THIS STRUCTURE.

CODES AND SPECIFICATIONS

1 - THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE SHALL APPLY TO THIS PROJECT.

2 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-71).

3 - AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

4 - ALL WELDING SHALL COMPLY WITH THE PROVISIONS OF THE ADMINISTRATIVE CODE, SECTION C26-1005.3 AND WITH THE BOARD OF STANDARDS AND APPEALS, RULES FOR ARC AND GAS WELDING AND OXYGEN CUTTING COVERING THE SPECIFICATIONS FOR DESIGN, FABRICATION AND INSPECTION ON ARC AND GAS WELDED STRUCTURES AND THE QUALIFICATIONS OF WELDERS AND SUPERVISORS, AS AMENDED TO DATE.

CONCRETE

1 - FOR SHORING REQUIREMENTS DURING CONCRETE PLACEMENT SEE SPECIFICATION SECTION 03300 4

STRUCTURAL STEEL

1 - ALL STRUCTURAL STEEL SHALL CONFORM TO SPECIFICATIONS FOR ASTM GRADE 36 (F_y = 36000 PSI) EXCEPT FOR TRANSFER GIRDERS AS SHOWN WHICH SHALL CONFORM TO ASTM A572-GRADE 50. 3

2 - ALL SHOP CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED. THE FOLLOWING FIELD CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED.

(A) CONNECTIONS TO COLUMNS, INCLUDING COLUMN SPLICES
(B) CONNECTIONS WITHIN 3 FEET OF COLUMNS.
(C) CONNECTIONS SUPPORTING ELEVATOR MACHINE ROOMS.
(D) CONNECTIONS TO STRUTS OR HANGERS.
(E) CONNECTIONS OF BEAMS, SUPPORTING COLUMNS OR STRUTS.
(F) CONNECTIONS AT TRANSFER LEVEL.
(G) CONNECTIONS FOR WIND BRACING.
(H) CONNECTION SUPPORTING MECHANICAL EQUIPMENT LOADS.

3 - ALL OTHER FIELD CONNECTIONS MAY BE BOLTED WITH A-307 BOLTS.

4 - ALL A-307 BOLTED CONNECTIONS NOT COMPLETELY ENCASED IN CONCRETE SHALL HAVE THE THREADS NICKED OR NUTS TACK WELDED.

5 - CONNECTION MATERIAL SHALL BE AS FOLLOWS -

(A) HIGH STRENGTH BOLTS - ASTM A-325 OR ASTM A-490.
(B) UNFINISHED BOLTS - ASTM A-307.
(C) WELDS - IN ACCORDANCE WITH THE LATEST AMERICAN WELDING SOCIETY D1.1 SPECIFICATIONS.

6 - WHERE DETAILS OR END REACTIONS ARE NOT GIVEN, CONNECTIONS ARE TO BE SUFFICIENT TO SUPPORT THE CAPACITY OF THE BEAM ASSUMED UNIFORMLY LOADED. THE GRADE OF STEEL OF THE MEMBER SHALL BE ACCOUNTED FOR IN COMPUTING THE BEAM CAPACITY.

7 - ALL BEAMS, EXCEPT CANTILEVER BEAMS, SHALL BE FABRICATED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED SO THAT NATURAL CAMBER RAISES CANTILEVERED END.

8 - CONTRACTOR SHALL ADEQUATELY GUY AND BRACE ALL STRUCTURAL STEEL TO MAINTAIN SAFETY AND ALIGNMENT DURING ALL PHASES OF CONSTRUCTION, AND SPECIFICALLY, DURING CONCRETE OPERATIONS, SUCH GUYING AND BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS REACHED ADEQUATE STRENGTH

9 - ALL STEEL SHALL BE FIREPROOFED. WHERE NO OTHER TYPE OF FIREPROOFING (MASONRY OR CONCRETE ENCASEMENT) IS SHOWN ON DRAWINGS, SPRAY ON FIREPROOFING SHALL BE PROVIDED. DOUBLE SPRAY-ON THICKNESS FOR BEAMS WEIGHING LESS THAN 28 LBS. PER LIN. FT.

10 - MINIMUM SIZE BOLTS TO BE USED 3/4 INCH DIAMETER; TWO 3/4" DIAMETER BOLTS MINIMUM PER CONNECTION.

11 - WHERE DIMENSIONS ARE NOT INDICATED, BEAMS SHALL BE EQUALLY SPACED.

12 - WHERE COVER PLATED BEAMS OR GIRDERS ARE INDICATED ON PLAN, 3/4 COVER PLATES SHALL BE CENTERED ON BEAMS, UNLESS OTHERWISE SHOWN.

13 - THE STRUCTURAL STEEL FABRICATOR SHALL FILE AN AFFIDAVIT CERTIFYING THAT STEEL MEETS THE MINIMUM REQUIREMENT OF THE ADMINISTRATIVE CODE BEFORE A PERMIT IS ISSUED. AT THE COMPLETION OF THE STEEL WORK THE CONTRACTOR SHALL FILE A SIMILAR AFFIDAVIT.

14 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURE TO RECEIVE NEW CONSTRUCTION BEFORE SUBMITTING SHOP DRAWINGS FOR APPROVAL

15 - FABRICATION OF STEEL FRAMING NOT TO BE DONE UNTIL FINAL COORDINATION HAS BEEN MADE WITH EXISTING WORK.

16 - ALL STEEL EXPOSED DURING NEW CONSTRUCTION SHALL BE REFIREPROOFED.

RECEIVED
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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

AS-BUILT DWGS

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

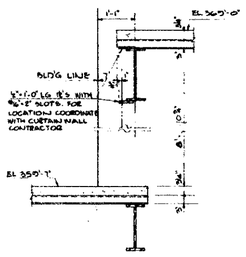
WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

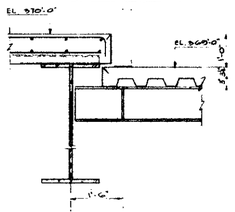
NO.	DATE	REVISIONS
	1-15-70	ISSUED FOR PORT AUTHORITY REVIEW
4	1-15-70	BULLETIN #15
	1-30-70	ISSUED TO PORT AUTHORITY
2	11-15-70	BULLETIN #10
	10-26-70	ISSUED TO PORT AUTHORITY
	5-14-76	
3	9-6-76	REVISED AS NOTED
1	8-23-76	ADDED MC-13 THRU MC-15
	8-23-76	ISSUED FOR STRUCTURAL STEEL ONLY FROM 22ND FLOOR THRU ROOF
	8-6-76	ISSUED FOR STRUCTURAL STEEL ONLY

STRUCTURAL DETAILS N° 1

DRAWING NO. S-14



SECTION 1-1
SCALE 3/4" = 1'-0"



SECTION 2-2
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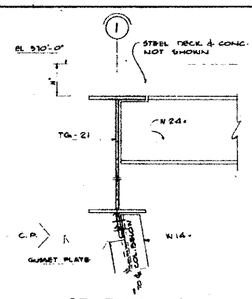

SECTION 3-3
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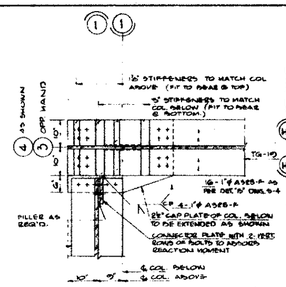
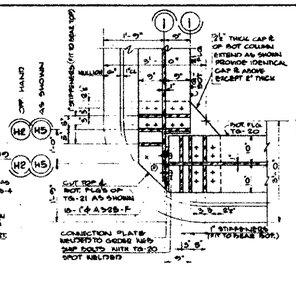
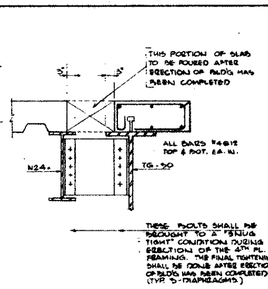


DETAIL 4
SCALE 3/4" = 1'-0"



DETAIL 5
SCALE 3/4" = 1'-0"



SECTION 6-6
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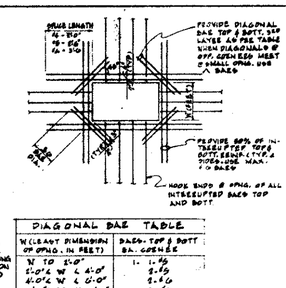
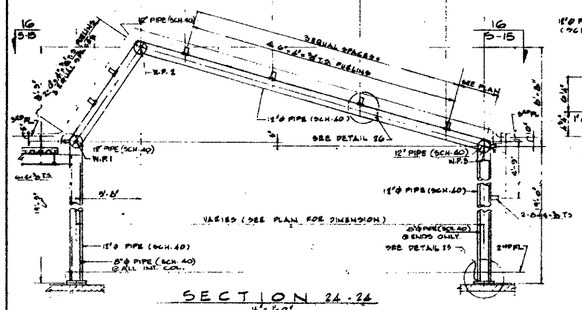


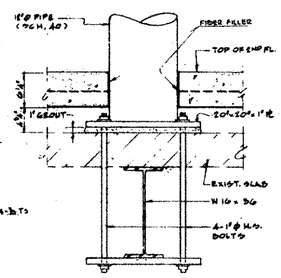
DIAGONAL BAR TABLE	
W (LEAST DIMENSION OF OPNG. IN FEET)	BARS- TOP & BOTT EA. SIDE/SIDE
W TO 5'-0"	1 - 1-#5
5'-0"< W ≤ 6'-0"	2-#5
6'-0"< W ≤ 8'-0"	2-#6
8'-0"< W ≤ 10'-0"	3-#6

DETAIL 7
SCALE 3/4" = 1'-0"

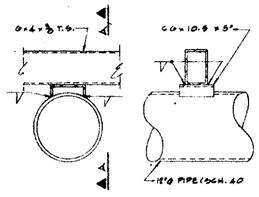
SECTION 16-16
SCALE 3/4" = 1'-0"



SECTION 24-24
3/4" = 1'-0"

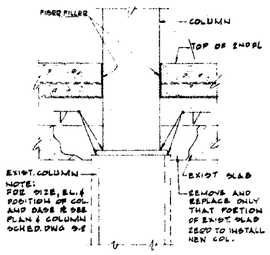


DETAIL 25
1½" = 1'-0"



VIEW A-A

DETAIL 26
1½" = 1'-0"



DETAIL 27

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

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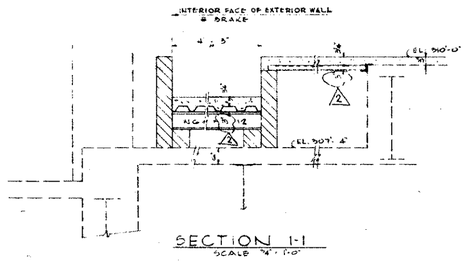
211 EAST 43RD ST., N.Y.C. 10017

AS-BUILT DWGS

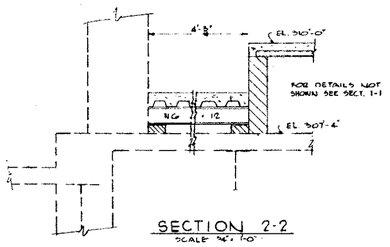
NO.	DATE	REVISIONS
	1-15-19	ISSUED FOR PORT AUTHORITY REVIEW
	1-5-19	ISSUED TO PORT AUTHORITY
5	12-28-18	SEE BULLETIN # 14
4	12-6-18	SEE BULLETIN # 11
3	10-17-18	SEE BULLETIN # 6
	9-10-18	ISSUED TO PORT AUTHORITY
	10-16-12	ISSUED FOR MILL ORDERS

STRUCTURAL DETAILS N° 2

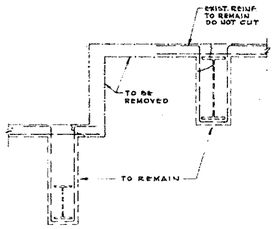
DRAWING NO. S-15



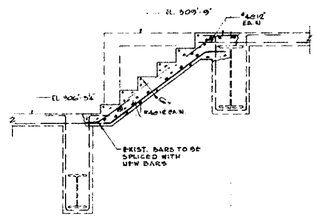
SECTION 1-1
SCALE 3/4" = 1'-0"



SECTION 2-2
SCALE 3/4" = 1'-0"

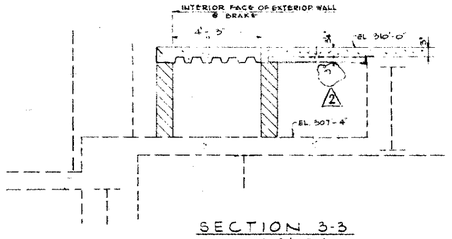


EXISTING CONDITION

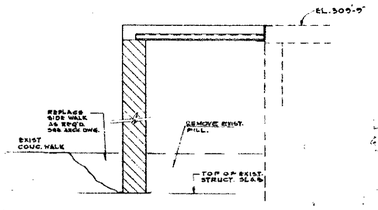


NEW STAIR

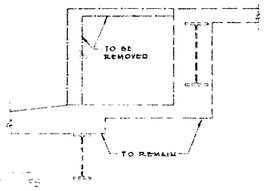
SECTION 10-10
SCALE: 1/4" = 1'-0"



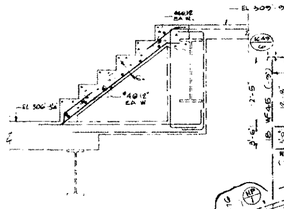
SECTION 3-3
SCALE 3/4" = 1'-0"



SECTION 9-9
SCALE: 3/4" = 1'-0"

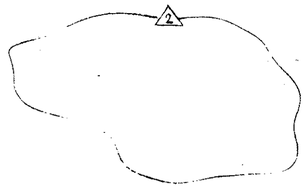


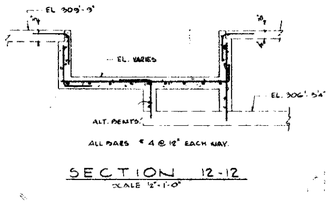
EXISTING CONDITION



NEW STAIR

SECTION 11-11
SCALE: 1/4" = 1'-0"

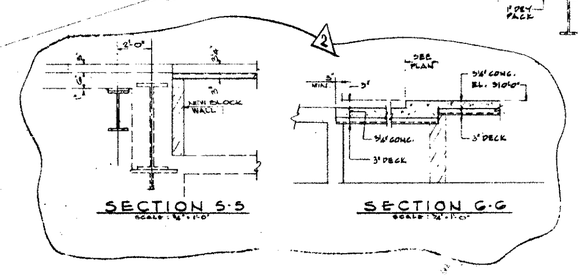




SECTION 12-12
SCALE 1/2" = 1'-0"

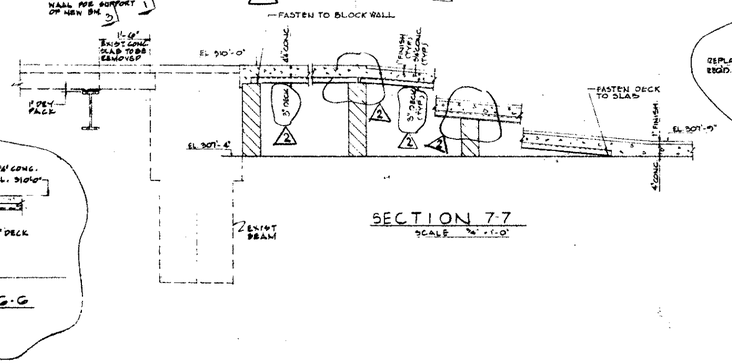
FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

FINISHED FLOOR ELEVATION 310'-0"
TOP OF SLAB ELEVATION (± 0") UNLESS NOTED
TOP OF STEEL ELEVATION (-1 1/4") UNLESS NOTED
—— INDICATES METAL DECK DIRECTION
METAL DECK SHALL BE US DECK INC. LOK-FLOOR 20GA. 3" DEEP, WITH WELDED WIRE FABRIC 6"-0"-6x6.

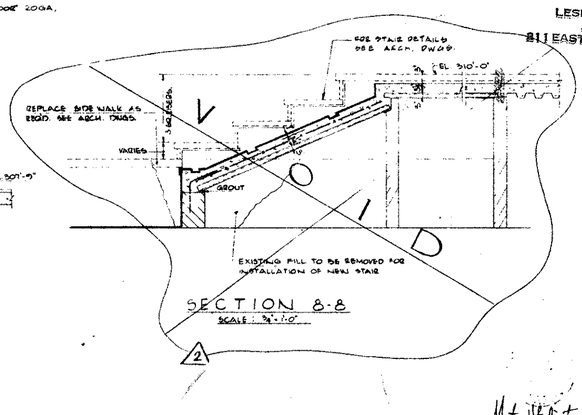


SECTION 5-5
SCALE: 1/2" = 1'-0"

SECTION 6-6
SCALE: 1/2" = 1'-0"



SECTION 7-7
SCALE 3/4" = 1'-0"



SECTION 8-8
SCALE 3/4" = 1'-0"

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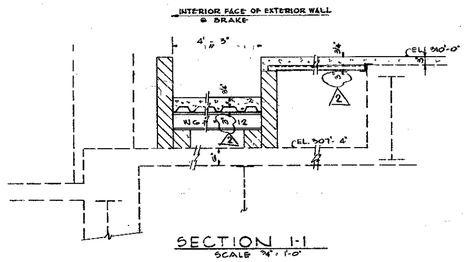
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

NO.	DATE	DWGS
4	5-25-79	BULLETIN # 26
	1-18-79	ISSUED FOR PORT AUTHORITY REVIEW
1	1-18-79	BULLETIN # 15
	1-5-79	ISSUED TO PORT AUTHORITY
3	11-15-78	ISSUED FOR STRUCTURAL STEEL ONLY, BULLETIN #8, 10

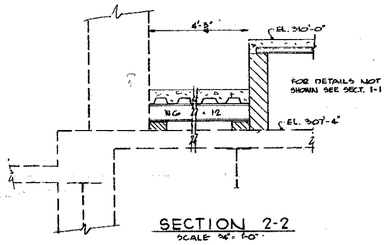
1st FLOOR FRAMING PLAN

DATE: NOV. 15 1978
SCALE:
DRAWING NO. S1-A
PROJECT NO. 5657

VISTA HOTEL - STRUCTURAL



SECTION 1-1
SCALE 3/4" = 1'-0"



SECTION 2-2
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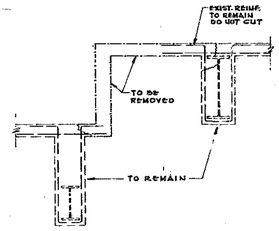
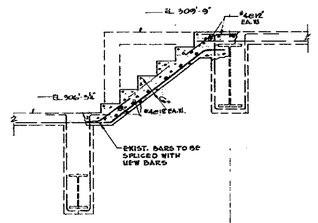
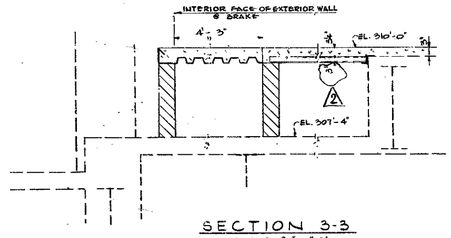


EXISTING CONDITION

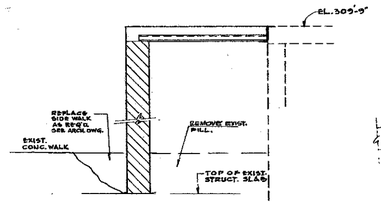


11-11 NEW STAIR

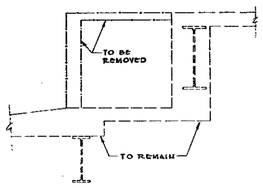
SECTION 10-10
SCALE: 3/4" = 1'-0"



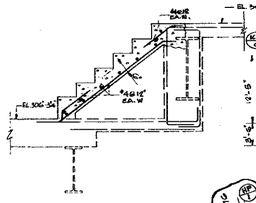
SECTION 3-3
SCALE 3/4" = 1'-0"



SECTION 9-9
SCALE: 3/4" = 1'-0"

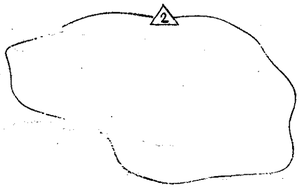


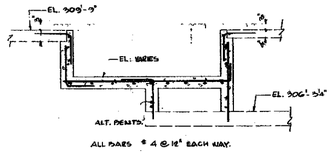
EXISTING CONDITION



10-10 NEW STAIR

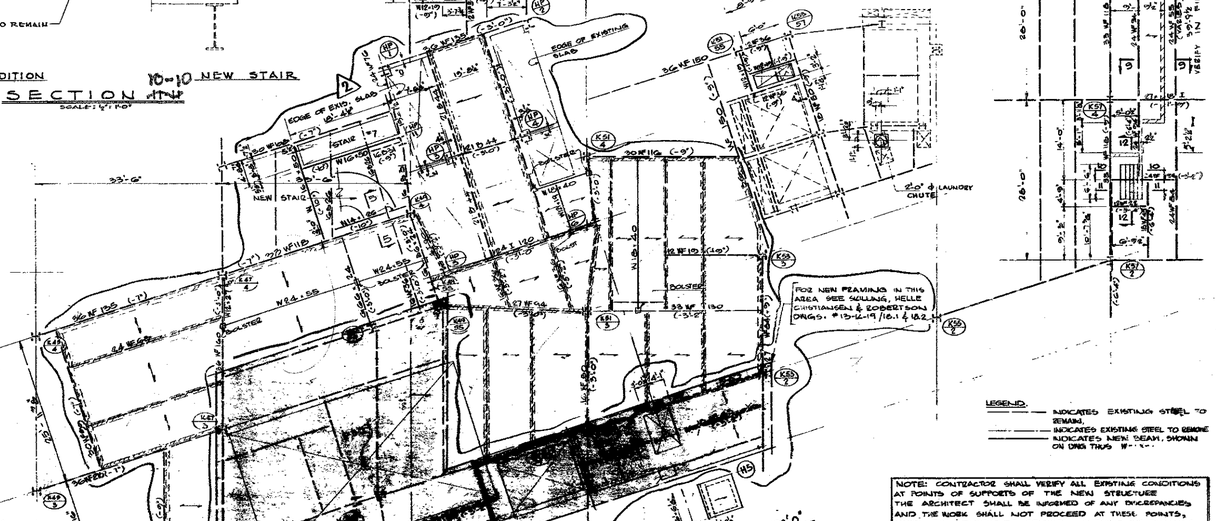
SECTION 11-11
SCALE: 3/4" = 1'-0"





SECTION 12-12
SCALE 3/4" = 1'-0"

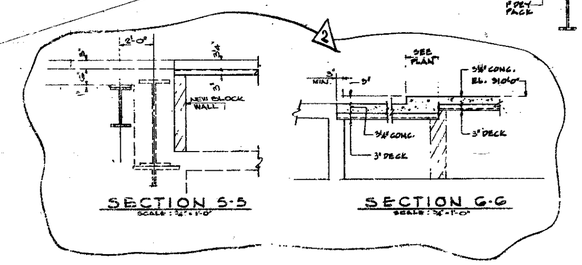
NOTE: PLACE NEW BM'S BEFORE REMOVING SLABS FOR NEW OPNGS.



PART PLAN AT EL. 296'-0"

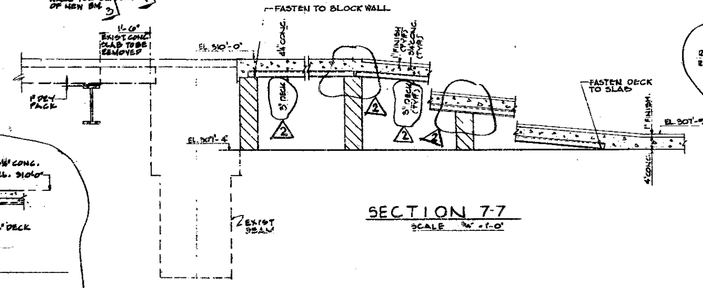
FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

FINISHED FLOOR ELEVATION 310'-0"
TOP OF SLAB ELEVATION [3'-0"] UNLESS NOTED
TOP OF STEEL ELEVATION [-6¼"] UNLESS NOTED
—— INDICATES METAL DECK DIRECTION
METAL DECK SHALL BE US DECK INC. 'LOK-FLOOR' 20GA, 3" DEEP, WITH WELDED WIRE FABRIC 6"x6"-8SS.

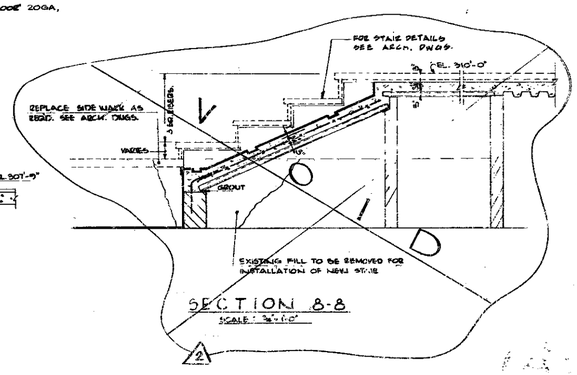


SECTION 5-5
SCALE: 1½" = 1'-0"

SECTION 6-6
SCALE: 1½" = 1'-0"



SECTION 7-7
SCALE 3/4" = 1'-0"



SECTION 8-8
SCALE: 3/4" = 1'-0"

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WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

5-28-75	BULLETIN # 26
3-18-75	ISSUED FOR POST AUTHORITY REVIEW
1 1-10-75	BULLETIN # 15
1-3-75	ISSUED TO PORT AUTHORITY
11-5-74	ISSUED FOR STRUCTURAL STEEL BULK. BULLETIN #10

DWGS

1ST FLOOR FRAMING PLAN

NOV. 15 1972

SI-A

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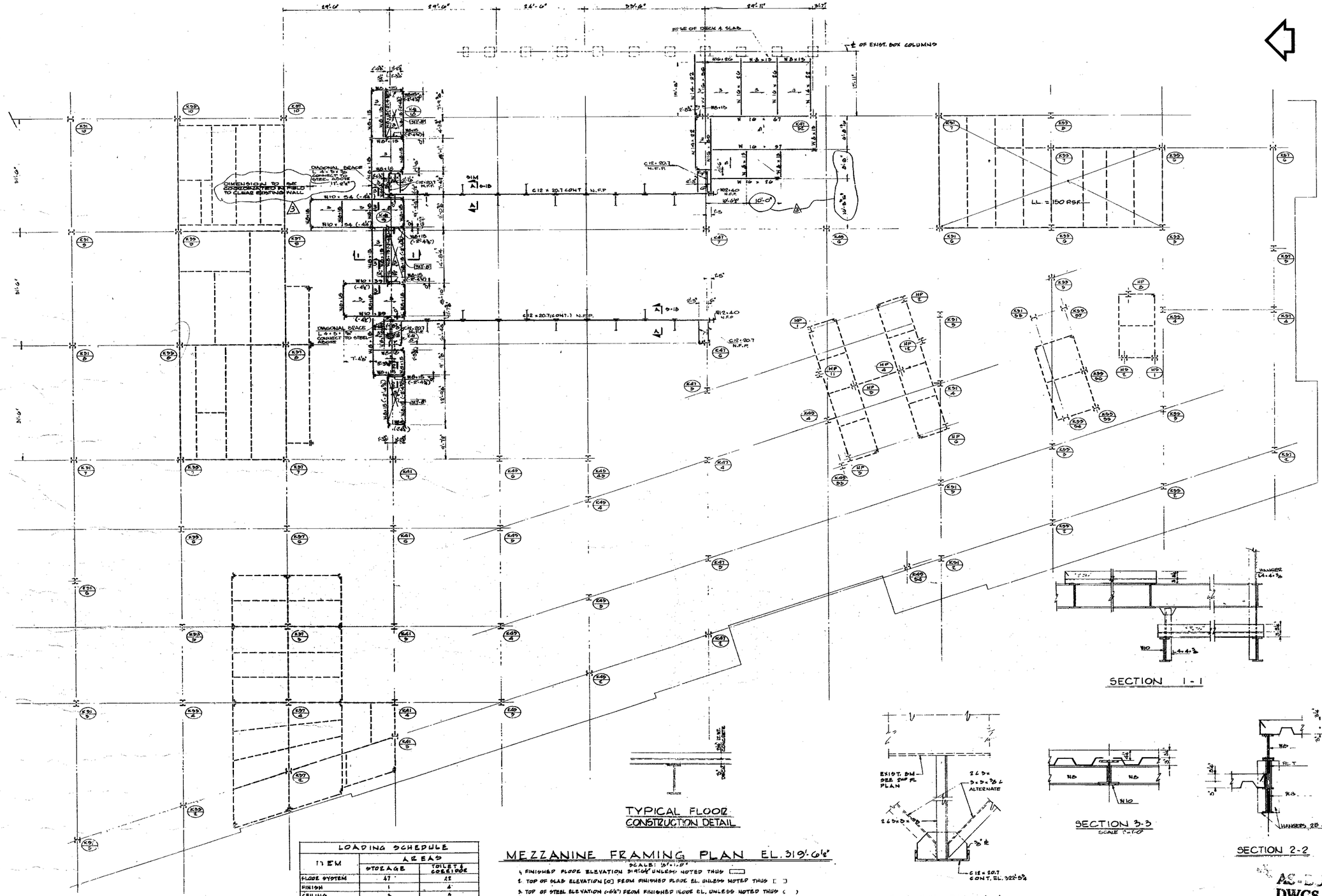
DIMENSION TO COORDINATED IN FIELD TO CLEAR CURTAIN WALL
DIAGONAL BRACE L 4 x 4 x 5/16 CONNECT TO STEEL ABOVE
DIAGONAL BRACE L 4 x 4 x 5/16 CONNECT TO STEEL ABOVE
C12 x 20.7 CONT N.F.P.
C12 x 20.7 CONT. N.F.P.
W12 x 40 N.F.P.
C12 x 20.7 N.F.P.
LL = 150 PSF
W10 x 54 (-46")
W10 x 39 (-46")
W10 x 54 (-46")
W10 x 39 (-46")
W10 x 49
W10 x 26
W10 x 67
W10 x 97
W14 x 82
W14 x 68
W14 x 90
W8 x 18
W8 x 15
W8 x 10
W8 x 13
W8 x 21
W8 x 24
W8 x 28
W8 x 31
W8 x 35
W8 x 48
W8 x 67
W8 x 40
W8 x 58
W8 x 67
W8 x 48
W8 x 31
W8 x 28
W8 x 24
W8 x 21
W8 x 18
W8 x 15
W8 x 10
W8 x 13
W8 x 15
W8 x 18
W8 x 21
W8 x 24
W8 x 28
W8 x 31
W8 x 35
W8 x 40
W8 x 48

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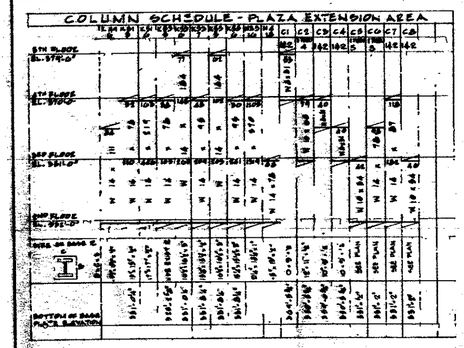
COLUMN SCHEDULE - PLAZA EXTENSION AREA



NOTE: COORDINATE EXACT HANGER LOCATIONS W. M. METZ. STRUCTURAL DWG. S-15.

SECTION 1-1
(@ ELEVATOR SHAFT)

SECTION 3-3

SECTION 4-4

SECTION 5-5

SECTION 6-6

SECTION 7-7

SECTION 8-8

SECTION 9-9

TYPICAL FLOOR CONSTRUCTION

SECTION 2-2

LEGEND
1. ——— INDICATES EXISTING STEEL TO REMAIN
2. ——— INDICATES EXISTING STEEL TO REMOVE
3. ——— INDICATES NEW BEAMS SHOWN THUS N--

2ND FLOOR FRAMING PLAN EL. 331'-6"

1. TOP OF NEW SLAB [6"]
2. TOP OF EXISTING SLAB [6"] UNLESS NOTED THUS [ ] ON PLAN
3. TOP OF NEW METAL DECK (-3½") UNLESS NOTED THUS ( ) ON PLAN
4. ——— INDICATES DIRECTION OF METAL DECK
5. TOP OF STEEL EL. (-0'-6") FROM PIN PLANE EL. UNLESS NOTED THUS ( )

NOTE:
CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT POINTS OF SUPPORTS OF THE NEW STEEL WORK. ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT. NO WORK SHALL BE PROCEEDED AT THESE POINTS UNTIL THE CONTRACTOR RECEIVES SPECIFIC INSTRUCTIONS FROM THE ARCHITECT.

LOADING SCHEDULE		
ITEM	AREAS	
	EXIST. PLAZA	NEW: KITCHEN COFFEE SHOP & LOUNGE
PLANTING	25	-
FLOOR SYSTEM	55	91
FINISH	10	2
CEILING	10	3
PARTITIONS	-	10
GRAVEL, MEMBRANE & INSULATION	29	-
CONC. TOPPING	69	-
STEEL & F.P.	AS THEY OCCUR	AS THEY OCCUR
MECHANICAL & ELECT.	0	5
TOTAL DEAD LOAD	208	119
LIVE LOAD	100	100
TOTAL LOAD	308	219

NO.	DATE	REVISIONS
5	5-25-79	BULLETIN #20
4	1-5-79	BULLETIN #22
	1-15-79	ISSUED FOR POST AUTHORITY REVIEW
3	1-5-79	BULLETIN #15
	1-3-79	ISSUED TO PORT AUTHORITY
2	12-14-78	BULLETIN #12
1	9-15-78	BULLETIN #10
	9-25-78	ISSUED TO PORT AUTH
	8-18-78	ISSUED FOR ESTIMATE
	5-24-78	
	3-8-78	ISSUED FOR INFORM ONLY.

AS-BUILT
DWG. 2ND FLOOR FF PL

RECF
NOV

LESLIE E.
ASS
211 E. 46th S

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WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
2ND PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
2ND PARK AVENUE, NEW YORK

KEY:

= LAT'L SYSTEM

LOADING SCHEDULE

ITEM	AREAS					REMARKS
	GENERAL	MECH. NORTH	MECH AT PLAZA BR.	PLAZA RM.	PLAZA MEZZANINE	
FLOOR SYSTEM	47	47	47	47	90 [1]	[1] TOT. WEIGHT CONSTRUCTION
W. P.	—	5	10	—	—	
FINISH & FILL	24	65 [2]	—	36	—	[2] INCL. 36 PSF FOR PADS
CEILING	10	10	10	—	—	
MECH. MISC.	20	55	—	60	—	
INST. STEEL & F.P.	AS THEY OCCUR.	AS THEY OCCUR.	AS THEY OCCUR.	AS THEY OCCUR.		
TOTAL D.L.	101	180	67	101	90	
LIVE LOAD	100	180	75 [3]	30	50	[3] FAN ROOM
TOTAL L.	201	300 [4]	142	131	140	[4] INCL. COLUMNS 145

DETAIL C.-C.

SECTION 4-4 & 4A-4A

DETAIL A

SECTION 3-3 & 3A-3A

DETAIL B

SECTION 5-5

SECTION 6-6
SECTION 6A-6A

TYPICAL FLOOR CONSTRUCTION

SECTION 2-2

SECTION 1-1
SECTION 1A-1A

3RD FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

1. FINISHED FLOOR ELEVATION 261'-0".
2. TOP OF SLAB ELEVATION [0"] FROM FINISHED FLOOR ELEVATION, UNLESS NOTED.
3. TOP OF STEEL ELEVATION [-6¾"] FROM FINISHED FLOOR ELEVATION, UNLESS NOTED. THUS [ ].
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURE TO RECEIVE NEW CONSTRUCTION, BEFORE SUBMITTING SHOP DRAWINGS FOR APPROVAL.
5. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
6. F.P.R. INDICATES NO FIRE PROOFING.
7. → INDICATES DIRECTION OF 3" METAL DECK SHALL BE "LOK FLOOR" 20 GA. (U.S. DECK INC.)
8. C INDICATES COL. ABOVE
9. C INDICATES COL. BELOW
10. C INDICATES COL. ABOVE & BELOW
11. (H1) INDICATES HORIZONTAL STACKING IN GRS.
12. FRAME "K" 9" STUDS WHERE INDICATED THUS ⊏⊐ IN PLAN AND UNLESS OTHERWISE NOTED SHALL BE EVENLY DISTRIBUTED IN THE SPAN.

AS-BUILT DWGS

3RD FLOOR FRAMING PLAN

S-3

NO.	DATE	REVISIONS
1	3-20-92	ISSUED FOR BIDDING CONSTRUCTION
2	1-15-92	ISSUED FOR PERMIT
3	1-15-92	AUTHORITY REVISIONS
4	1-15-92	BULLETIN #15
5	12-4-92	BULLETIN #12
6	3-5-92	ISSUED TO PORT AUTHORITY
7	2-6-92	BULLETIN #8
8	10-24-91	BULLETIN #5
9	9-25-91	ISSUED TO PORT AUTHORITY
10	10-6-91	SEE BULLETIN # 2
11	9-20-91	ISSUED FOR EARLY SITE WORK ONLY.
12	9-14-91	
13	7-26-91	GENERAL REVISION
14	6-6-91	90% SD FOR STRUCTURAL STEEL ONLY.
15	7-15-91	ISSUED FOR INFORMATION ONLY.

WIND BENTS BETWEEN 2ND & 4TH FLOORS

↑ = BASE SHEAR @ 2ND FLOOR FROM WIND

TOTAL WIND SHEAR @ 2ND FLOOR = 4150

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GIRDER SCHEDULE

MARK	SIZES WEB	SIZES FLANGES	END MOMENT LEFT K.F. PT.	END MOMENT RIGHT K.F. PT.	REMARKS
TG-1	36" x 1"	20" x 1"	—	—	3'-0" DEEP GIRDER
TG-2	36" x 1"	20" x 1"	3340	3671	
TG-3	36" x 7/8"	22" x 1"	3133	2950	
TG-4	36" x 7/8"	20" x 1"	2388	1400	
TG-5	36" x 7/8"	20" x 1"	2709	2317	
TG-6	36" x 1"	22" x 1"	4605	3966	
TG-7	36" x 1"	20" x 1"	2621	1164	
TG-8	36" x 1"	20" x 1"	—	1400	MOMENT AT COL. 24-9 ONLY
TG-9	46" x 1"	20" x 1"	—	—	4'-0" DEEP GIRDER
TG-10	36" x 1"	20" x 1"	2070	1306	
TG-11	36" x 7/8"	20" x 1"	—	1296	
TG-12	32" x 1 1/8"	22" x 1"	3980	1400	3'-6" DEEP GIRDER
TG-13	57 1/2" x 1"	20" x 1 1/2"	3984	—	
TG-14	60" x 1"	16" x 1"	4190	—	
TG-15	36" x 1"	22" x 1"	4205	4080	
TG-16	36" x 1"	20" x 1"	1700	4046	
TG-17	36" x 1"	20" x 1"	1400	1845	
TG-18	36" x 1 1/8"	20" x 1"	1400	2406	
TG-19	36" x 1 1/8"	20" x 1"	1600	1400	
TG-20	36" x 1"	20" x 1"	1400	1400	
TG-21	50" x 7/8"	16" x 1"	—	—	
TG-22	36" x 1"	20" x 1"	1400	2236	
TG-23	54" x 1"	22" x 1 1/2"	—	4177	
TG-24	48" x 1 1/4"	20" x 1 1/8"	—	—	4'-0" DEEP GIRDER
TG-25	32" x 1"	12" x 2"	—	—	2'-0" DEEP GIRDER
TG-26	97" x 1"	30" x 1"	3780	4446	
TG-27	36" x 1"	22" x 2"	3186	1400	
TG-28	87" x 1"	20" x 1"	—	—	
TG-29	36" x 1"	20" x 2"	4629	1600	
TG-30	37 1/2" x 1"	20" x 1"	—	—	
TG-31	87" x 1"	20" x 1"	—	—	
TG-32	87" x 1"	18" x 1"	—	—	
TG-33	36" x 1"	22" x 1"	—	—	
TG-34	84" x 1"	22" x 1"	—	—	
TG-35	36" x 1"	20" x 1"	—	—	
TG-36	108" x 1"	18" x 1"	—	—	5'-6" DEEP GIRDER
TG-37	36" x 1"	12" x 1"	—	—	W. HOOD W 24 COL. W-12 ONLY
TG-38	36" x 1"	20" x 1"	—	2004	

NOTE:
LEFT AND RIGHT END OF A GIRDER AS AT THE LEFT OR RIGHT OF AN OBSERVER FACING TOWARD TO READ THE GIRDER MARK IN PLAN

DETAIL 'a' (SIMILAR TO 'b')

DETAIL AT COLUMNS WITH FLANGES PARALLEL TO WEB OF GIRDER

PLAN

SECTION a-a

SECTION b-b

DETAIL 'b'

TYPICAL CONTINUOUS GIRDER DETAIL

TYPICAL GIRDER DETAIL CANTILEVER END

LOADING SCHEDULE

ITEM	AREAS OFFICE	TOILET & CORRIDOR	STAIR	MECH. ROOF	REMARKS
FLOOR SYSTEM	120	119	80	47	
FINISH	1	4	—	34	
CEILING	10	10	—	—	
PARTITIONS	10	20	—	—	
STEEL & F.P.	AS THEY OCCUR	AS THEY OCCUR	—	AS THEY OCCUR	
MECH.-ELEC.	15	15	—	20	
TOTAL D.L.	156	178	—	101	
LIVE LOAD	40	40	40	30	
TOTAL L.L.	196	218	100	131	

4TH FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

1. FINISHED FLOOR ELEVATION 570'-0"
2. TOP OF SLAB ELEVATION [0"] FROM FINISHED FLOOR ELEV. UNLESS NOTED THUS [ ].
3. TOP OF STEEL ELEV. (-8") FROM FINISHED FLOOR ELEVATION UNLESS NOTED THUS ( ).
4. D - INDICATES COL. ABOVE
5. C - INDICATES COL. BELOW
6. O - INDICATES COL. ABOVE & BELOW.
7. MFP - INDICATES MID FIRE PROOFING
8. → INDICATES DIRECTION OF METAL DECK.
9. Ⓐ - REVISED GIRDER MATERIAL A572-65 TO 2" INCLUSIVE AND A572-42 TO 4" INCLUSIVE
10. DECK SHALL BE U.S. DECK, INC. "LOK-FLOOR" 3" DEEP 16 GA.) EXCEPT AT ROOF AREAS (EAST EXTENSION) WHERE DECK IS 22GA.
11. ⓑ INDICATES VERTICAL REACTION IN KIPS FOR BEAMS NOT INDICATED ON MAIN ELEVATION DWG. 3-15.
12. ADDITIONAL REINFORCING TO BE REQUIRED AT ALL OPENINGS, SEE DETAIL 7 ON DWG. 3-15.

SLEEVE SCHEDULE

A - 14" WIDE x 10"-6IN SLOT @ 3'-0" BELOW CONC. FLOOR
B - 10" DIA. HOLE @ 3'-0" BELOW CONC. FLOOR
C - 8" DIA. HOLE @ 3'-0" BELOW CONC. FLOOR

DETAIL C-C

SECTION 1-1

SECTION 2-2

SECTION 5-5

SECTION 6-6

TYPICAL FLOOR & ROOF CONSTRUCTION - EAST EXTENSION

TYPICAL STUD DETAILS

TYPICAL FLOOR CONSTRUCTION TOWER AREA

SECTION 3-3
SECTION 4-4

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ARCHITECTS

WEIDLINGER & PECKWORTH
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

= LAT'L SYSTEM
4th FL to 3rd

	1-15-92	ISSUED FOR FIRST AUTHORITY SUBMISSION
A	1-15-92	BULLETIN #15
A	2-14-92	BULLETIN #12
	3-3-92	ISSUED TO PORT AUTHORITY
A	3-6-92	SEE BULLETIN # 11
A	3-9-92	SEE BULLETIN # 13
A	3-17-92	SEE BULLETIN # 16
	3-24-92	ISSUED TO PORT AUTHORITY
A	3-27-92	SEE BULLETIN # 13
A	3-30-92	ISSUED FOR BASE WATER-PROOFING ONLY
	5-26-92	
A	6-5-92	GENERAL REVISIONS
	6-12-92	ISSUED FOR STRUCTURAL STEEL ONLY
	7-31-92	ISSUED FOR INFORMATION ONLY.

4TH FLOOR FRAMING PLAN AS-BUILT DWGS

SCALE 1/8"=1'-0" | DRAWING NO. S-4

5' dup

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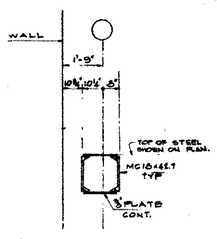
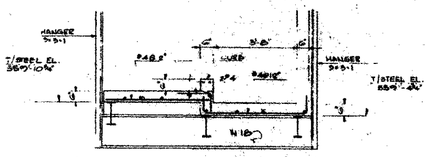
3-11-900



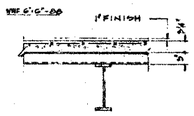
SECTION 1-1

SCALE: 1/2"=1'-0"

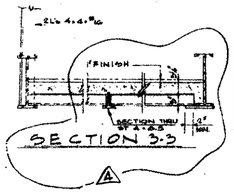


SECTION 2-2

SCALE 3/4"=1'-0"

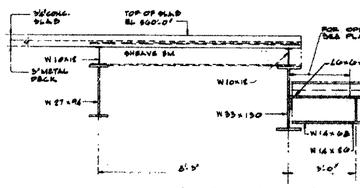


TYPICAL FLOOR CONSTRUCTION

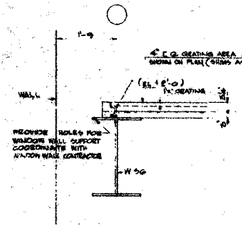


SECTION 3-3

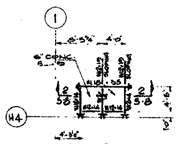
ELEVATOR SHEAVE BEAM REACTIONS				
ELEVATOR NO.	ELEV. P-7		ELEV. S-B	ELEV. S-B
A = 6100#	B = 5700#		A = 6900#	E = 7700#
D = 9100#	F = 5400#		B = 9100#	F = 9200#
C = 6100#	G = 12200#		C = 6800#	G = 7600#
D = 9100#	H = 5400#		D = 9000#	H = 9700#



SECTION 4-4

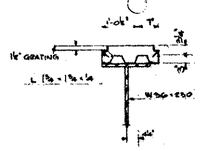


SECTION 5-5

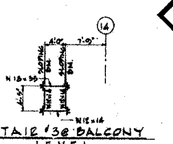


STAIR #1 & BALCONY LEVEL

TOP OF STEEL 950'-4" EXCEPT AS NOTED ON SECT. 2-2



SECTION 6-6



STAIR #36 BALCONY LEVEL

TOP OF STEEL EL. = 959'-4 1/2" (SEE PNC 0-7 FOR ADDL INFORMATION)

ELEVATOR MACHINE ROOM P-7 THRU P-1
DATUM ELEVATION 938'-0"
TOP OF SLAB ELEVATION 950'-0"
TOP OF STEEL ELEVATION (-7 1/2")
UNLESS OTHERWISE NOTED
ELEVATOR MACHINE ROOM A-B
DATUM ELEVATION 938'-0"
TOP OF SLAB ELEVATION (+11.0")
TOP OF STEEL ELEVATION (-7 1/2")
UNLESS OTHERWISE NOTED
EDGE OF CONC.
STAIR #6
STAIR #36
W14x22
W18x40
W16x40
W10x49
W10x60
W10x88
W10x91
W14x68
W14x82
W14x90
W14x99
W14x120
W14x145
W14x176
MC18x42.7
W18x50
W18x55
W18x60
W18x65
W18x71
W18x76
W18x86
W18x97
W18x106
W18x119
W18x130
W18x143
W18x158
W18x175
W18x192
W18x211
W18x234
W18x258
W18x283
W18x311
W18x343
W18x375
W18x406
W18x443
W18x480
W18x524
W18x575
W18x630
W18x700
W18x775
W18x864
W18x960
W18x1060
W18x1161
W18x1282
W18x1402
W18x1533
W18x1654
W18x1786
W18x1917
W18x2048
W18x2180
W18x2311
W18x2442
W18x2574
W18x2705
W18x2836
W18x2968
W18x3099
W18x3230
W18x3362
W18x3493
W18x3624
W18x3756
W18x3887
W18x4018
W18x4150
W18x4281
W18x4412
W18x4544
W18x4675
W18x4806
W18x4938
W18x5069
W18x5200
W18x5332
W18x5463
W18x5594
W18x5726
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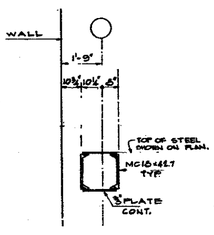
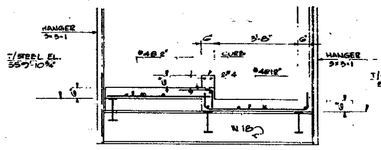
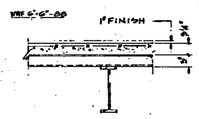
W18x6120
W18x6251
W18x6382
W18x6514
W18x6645



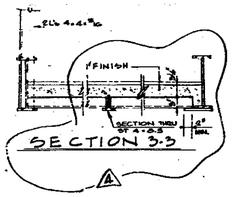
SECTION 1-1
SCALE: 1/2"=1'-0"



SECTION 2-2
SCALE 1/2"=1'-0"

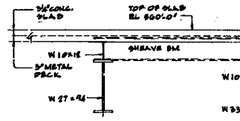


TYPICAL FLOOR CONSTRUCTION

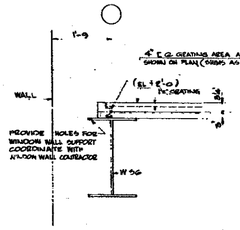


SECTION 3-3

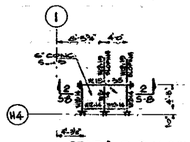
ELEVATOR SHEAVE BEAM REACTIONS				
ELEVATOR NO.	ELEV. P-7		ELEV. 8-16 & 5	ELEV. 5-3
A = 91.00^k	B = 87.00^k		A = 69.00^k	E = 77.00^k
B = 91.00^k	F = 64.00^k		B = 91.00^k	F = 98.00^k
C = 61.00^k	G = 112.00^k		C = 68.00^k	G = 76.00^k
D = 91.00^k	H = 34.00^k		D = 90.00^k	H = 97.00^k



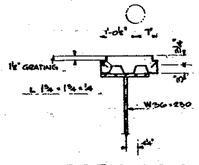
SECTION 4-4



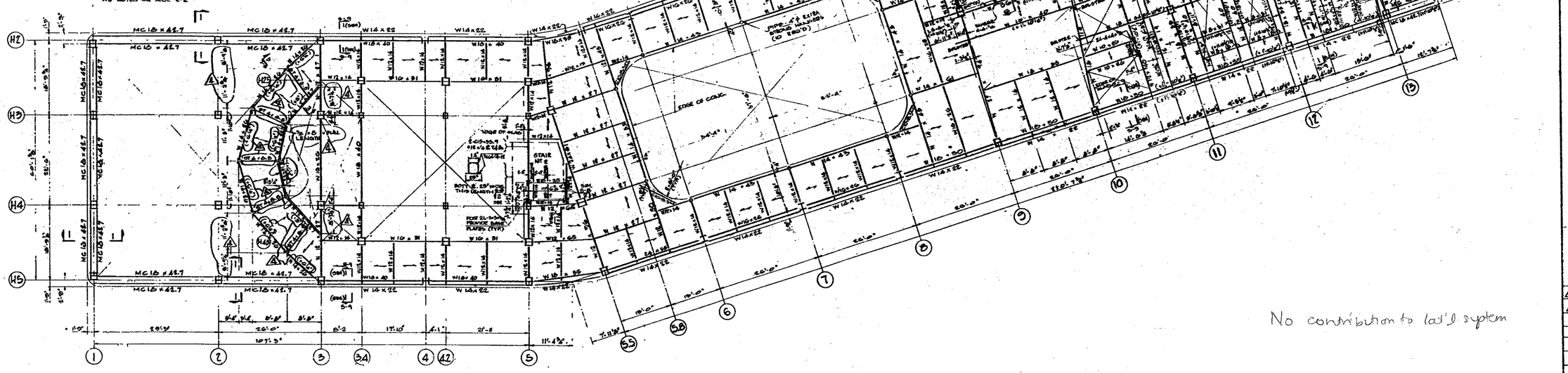
SECTION 5-5



STAIR #1 & BALCONY LEVEL
TOP OF STEEL 599'-4" EXCEPT AS NOTED ON SECT. 2-2



SECTION 6-6


ELEVATOR MACHINE ROOM F. THRU P8
DATUM ELEVATION 599'-0"
TOP OF SLAB ELEVATION (-1½")
TOP OF STEEL ELEVATION (-7¼")
UNLESS OTHERWISE NOTED
ELEVATOR MACHINE ROOM 4-5
DATUM ELEVATION 599'-0"
TOP OF STEEL ELEVATION (-1½")
UNLESS OTHERWISE NOTED
EDGE OF SLAB
EDGE OF COVE
STAIR #2
MC18 x 42.7
W14 x 22
W18 x 40
W10 x 91
W14 x 68
W14 x 82
W14 x 90
W12 x 16
W10 x 30
W10 x 50
W10 x 88
W10 x 55
W14 x 43
W14 x 61
W14 x 99
W14 x 109
W14 x 132
W14 x 145
W14 x 159
W14 x 176
W14 x 193
W14 x 211
W14 x 233
W14 x 257
W14 x 283
W14 x 311
W14 x 342
W14 x 370
W14 x 398
W14 x 426
W14 x 455
W14 x 500
W14 x 550
W14 x 605
W14 x 665
W14 x 730
W14 x 808
W14 x 873
W14 x 932
W14 x 1000
W14 x 1082
W14 x 1176
W14 x 1269
W14 x 1370
W14 x 1500
W14 x 1627
W14 x 1730
W14 x 1850
W14 x 1982
W14 x 2113
W14 x 2257
W14 x 2398
W14 x 2552
W14 x 2730
W14 x 2895
W14 x 3082
W14 x 3257
W14 x 3426
W14 x 3607
W14 x 3821
W14 x 4016
W14 x 4219
W14 x 4426
W14 x 4665
W14 x 4873
W14 x 5082
W14 x 5311
W14 x 5548
W14 x 5795
W14 x 6043
W14 x 6311
W14 x 6578
W14 x 6858
W14 x 7147
W14 x 7445
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W14 x 8411
W14 x 8756
W14 x 9113
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W14 x 10257
W14 x 10663
W14 x 11082
W14 x 11513
W14 x 11958
W14 x 12415
W14 x 12885
W14 x 13368
W14 x 13863
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W14 x 14893
W14 x 15428
W14 x 15975
W14 x 16536
W14 x 17109
W14 x 17696
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W14 x 19534
W14 x 20173
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W14 x 39411
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W14 x 42328
W14 x 43325
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W14 x 45355
W14 x 46388
W14 x 47433
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W14 x 49559
W14 x 50640
W14 x 51733
W14 x 52838
W14 x 53955
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W14 x 56225
W14 x 57378
W14 x 58543
W14 x 59720
W14 x 60909
W14 x 62110
W14 x 63323
W14 x 64548
W14 x 65785
W14 x 67034
W14 x 68295
W14 x 69568
W14 x 70853
W14 x 72150
W14 x 73459
W14 x 74780
W14 x 76113
W14 x 77458
W14 x 78815
W14 x 80184
W14 x 81565
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W14 x 90103
W14 x 91568
W14 x 93045
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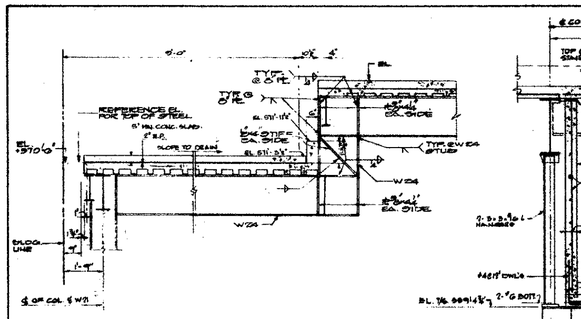
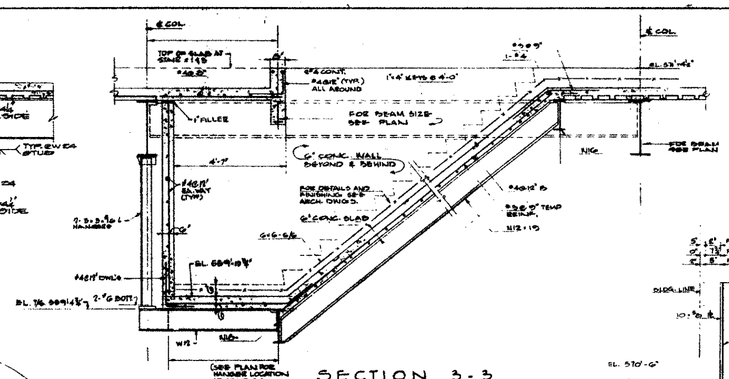
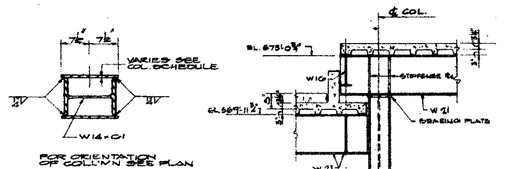


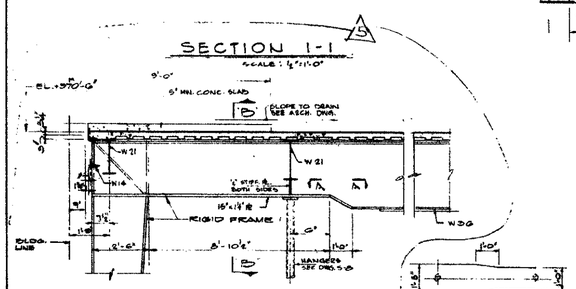




DETAIL 'X'
SCALE: 1"=1'-0"
(TYPICAL AT ROOF WIND BENTS) SEE A9.0 COL. SCHEDULE)

SECTION 4-4
SCALE: 1"=1'-0"

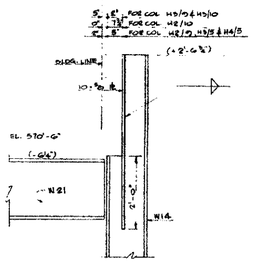
SECTION 1-1
SCALE: 1/2"=1'-0"



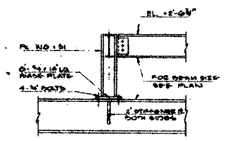
SECTION 2-2
SCALE: 1/2"=1'-0"

SECTION A-A
SCALE: 1/2"=1'-0"

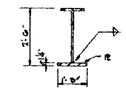
SECTION 3-3
SCALE: 1/2"=1'-0"



TYPICAL DETAILS AT COLUMNS
H2/9 & H3/9 - AS SHOWN
H2/10 & H3/10 - OPP. HAND



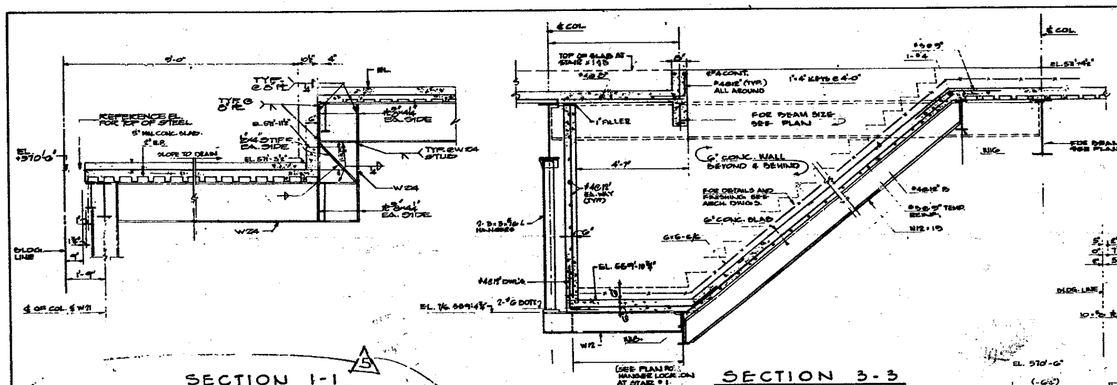
TYPICAL DETAIL AT PERIMETER OF BULKHEAD
SCALE: 1" = 1'-0"

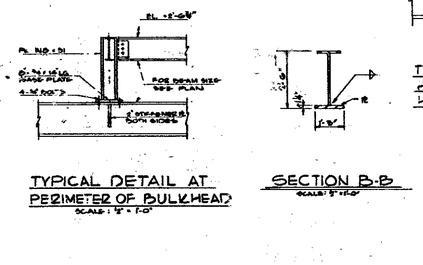


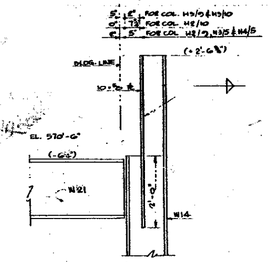
SECTION B-B
SCALE: 1"=1'-0"

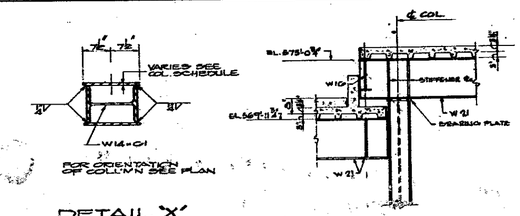
12" CONC. SLAB SEMI WITH +570'-0" SLAB TOP & FOR ADD'L DETAILS SEE ARCH. DWGS.
W16×40
W14×22
W14×82
W14×68
W14×61
W14×53
W14×48
W14×43
W14×38
W14×34
W14×30
W14×26
W12×22
W12×19
W10×49
W10×45
W10×33
W10×26
W10×22
W10×19
W10×17
W8×31
W8×28
W8×24
W8×21
W8×18
W8×15
W8×13
W8×10
W24×104
W24×94
W24×84
W24×76
W24×68
W24×62
W24×55
W24×48
W24×40
W21×68
W21×62
W21×57
W21×50
W21×44
W21×48
W18×50
W18×46
W18×40
W18×35
W18×76
W18×71
W18×65
W18×60
W18×55
W16×100
W16×89
W16×77
W16×67
W16×57
W16×50
W16×45
W16×40
W16×36
W16×31
W16×26
W16×100 (-5")
W16×40 (-5")
W16×40 (-8")
W16×40 (-10")
W16×26 (-5")
W16×26 (-8")
W16×26 (-10")
W14×132
W14×120
W14×109
W14×99
W14×90
W14×74
W14×68
W14×61
W14×53
W14×48
W14×43
W14×38
W14×34
W14×30
W14×26
W14×22
W12×65
W12×58
W12×53
W12×50
W12×45
W12×40
W12×35
W12×30
W12×26
W12×22
W12×19
W12×16
W12×14
W12×120
W12×106
W12×96
W12×87
W12×79
W12×72
W12×65
W12×58
W12×53
W12×50
W12×45
W12×40
W12×35
W12×30
W12×26
W12×22
W12×19
W12×16
W12×14
W10×112
W10×100
W10×88
W10×77
W10×68
W10×60
W10×54
W10×49
W10×45
W10×39
W10×33
W10×30
W10×26
W10×22
W10×19
W10×17
W8×67
W8×58
W8×48
W8×40
W8×35
W8×31
W8×28
W8×24
W8×21
W8×18
W8×15
W8×13
W8×10
W24×370
W24×335
W24×306
W24×279
W24×250
W24×229
W24×207
W24×192
W24×176
W24×162
W24×146
W24×131
W24×117
W24×104
W24×94
W24×84
W24×76
W24×68
W24×62
W24×55
W24×48
W24×40
W21×201
W21×182
W21×166
W21×147
W21×132
W21×122
W21×111
W21×101
W21×93
W21×83
W21×73
W21×68
W21×62
W21×57
W21×50
W21×44
W18×311
W18×283
W18×258
W18×234
W18×211
W18×192
W18×175
W18×158
W18×143
W18×130
W18×119
W18×106
W18×97
W18×86
W18×76
W18×71
W18×65
W18×60
W18×55
W18×50
W18×46
W18×40
W18×35
W16×100
W16×89
W16×77
W16×67
W16×57
W16×50
W16×45
W16×40
W16×36
W16×31
W16×26
W14×730
W14×665
W14×605
W14×550
W14×500
W14×455
W14×426
W14×398
W14×370
W14×342
W14×311
W14×283
W14×257
W14×233
W14×211
W14×193
W14×176
W14×159
W14×145
W14×132
W14×120
W14×109
W14×99
W14×90
W14×74
W14×68
W14×61
W14×53
W14×48
W14×43
W14×38
W14×34
W14×30
W14×26
W14×22
W12×336
W12×305
W12×279
W12×252
W12×230
W12×210
W12×190
W12×170
W12×152
W12×136

WIND BRACING SET

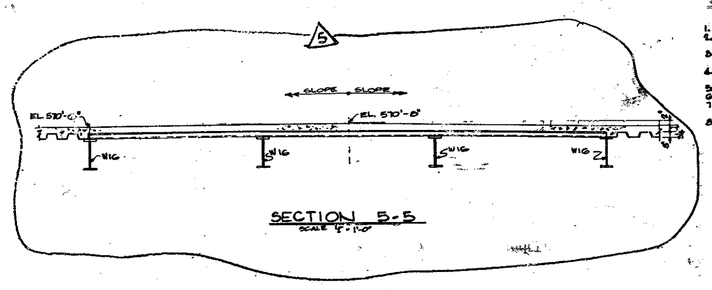






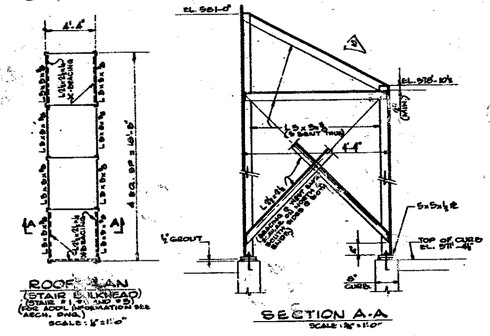


1. ROOF DATUM ELEVATION 570'-0".
2. TOP OF SLAB ELEVATIONS ARE SHOWN ON ARCHITECTUREAL DWG. A-10
3. TOP OF STEEL ELEVATION (-6½) FROM FINISHED DATUM ELEVATION UNLESS NOTED THUS ( )
4. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
5. N.F.P. INDICATES NO FIRE PROOFING.
6. ——→ INDICATES DIRECTION OF METAL DECK.
7. METAL DECK SHALL BE U.S. DECK N.C. "LOK FLOOR", 20 GA., 3" DEEP, WITH WELDED WIRE FABRIC 6"-6"-10/0
8. ℄ = 5'-0" ℄ ALL CORNERS EXCEPT AS NOTED ON PLAN.



LOADING SCHEDULE:

ITEM	AREAS GENERAL	AREAS WINDOW WASHING	REMARKS
FLOOR SYSTEM	47	47	
ROOF & INSUL.	9	9	
FILL (AVE.)	36	100*	*2½" STONE CONC.
CEILING	10	10	
MECH. EQUIP.	20	20	
TOTAL D.L.	122	186	
LIVE LOAD	80	30*	*WINDOW WASHING RACK CONCENTRATION 3260 LBS AT 5'-0" O.C. COVER 8'-2"x 2'-4"
TOTAL L.	192	216	



WIND BENTS - ROOF TO 22ND FLOOR
MOMENT FRAMES

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

A. 3279 - SH S-H1

3	7-17-79	SEE BULLETIN #39
2	6-27-79	SEE BULLETIN #32
1	6-8-79	SEE BULLETIN #19
	1-15-79	ISSUED FOR PORT AUTHORITY REVISE.
1	1-15-79	BULLETIN #15
	1-3-79	ISSUED TO PORT AUTHORITY
1	12-18-78	SEE BULLETIN # 14
	11-29-78	ISSUED TO PORT AUTHORITY
	10-3-78	GENERAL REVISION
	8-21-78	
	7-14-78	
	6-27-78	ISSUED FOR STRUCTURAL STEEL ONLY
	7-31-78	ISSUED FOR INFORMATION ONLY.
NO.	DATE	REVISIONS

AS-BUILT DWGS

ROOF FRAMING PLAN

DATE: JUNE 6, 1978
SCALE:
DRAWING NO. S-9

RECEIVED
NOV 19 1992

LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

NORTHEAST PLAZA BUILDING

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

RECEIVED
NOV 19 1962
LESLIE E. ROBERTSON
ASSOCIATES
2 E. 48th ST. N.Y. N.Y. 10017

SCHEDULE OF DRAWINGS

ARCHITECTURAL

DWG. No.	TITLE
A-E-1	DRAWING SCHEDULE
A-E-2	FINISH SCHEDULE
A-E-3	FINISH SCHEDULE
A-E-4	DOOR SCHEDULE
A-E-5	DRAINAGE AND PLANTER PLAN-NORTH SECTION
A-E-6	DRAINAGE AND PLANTER PLAN-SOUTH SECTION
A-E-7	289'-6" FLOOR PLAN-NORTH-MECHANICAL ROOM LEVEL
A-E-8	289'-6" FLOOR PLAN-CENTER-MECHANICAL ROOM LEVEL
A-E-9	289'-6" FLOOR PLAN-SOUTH-MECHANICAL ROOM LEVEL
A-E-10	CORE PLAN AND CROSS SECT. 'A' AT EL. 289'-6"
A-E-11	CROSS SECTIONS AT EL. 289'-6" - SECTIONS 'B' & 'C'
A-E-12	CROSS SECTIONS AT EL. 289'-6" - SECTIONS 'D', 'E', 'F', & 'G'
A-E-13	UNASSIGNED
A-E-14	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"-NORTHWEST SECTION
A-E-15	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"-NORTHEAST SECTION
A-E-16	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"-CENTER WEST SECTION
A-E-17	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"-CENTER EAST SECTION
A-E-18	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"- SOUTHWEST SECTION
A-E-19	1ST FLOOR PLAN-CONCOURSE LEVEL-EL. 310'-0"-SOUTHEAST SECTION
A-E-20	1ST FLOOR CORE PLAN - CONCOURSE LEVEL-EL. 310'-0"
A-E-21	CROSS SECTION THRU PLAZA
A-E-22	2ND FLOOR PLAN-WEST-PLAZA LEVEL
A-E-23	2ND FLOOR PLAN-EAST-PLAZA LEVEL
A-E-24	2ND FLOOR PLAN-SOUTH-PLAZA LEVEL
A-E-25	2ND FLOOR CORE PLAN-PLAZA LEVEL
A-E-26	UNASSIGNED
A-E-27	3RD FLOOR PLAN-WEST-MEZZANINE FLOOR
A-E-28	3RD FLOOR PLAN-EAST-MEZZANINE FLOOR
A-E-29	3RD FLOOR PLAN-SOUTH-MEZZANINE FLOOR
A-E-30	3RD FLOOR CORE PLAN-MEZZANINE FLOOR
A-E-31	UNASSIGNED
A-E-32	4TH FLOOR PLAN-WEST-TRADEMART FLOOR
A-E-33	4TH FLOOR PLAN-EAST-TRADEMART FLOOR
A-E-34	4TH FLOOR PLAN-SOUTH-TRADEMART FLOOR
A-E-35	4TH FLOOR CORE PLAN-TRADEMART FLOOR
A-E-36	UNASSIGNED
A-E-37	5TH FLOOR PLAN-WEST-OFFICE FLOOR
A-E-38	5TH FLOOR PLAN-EAST-OFFICE FLOOR
A-E-39	5TH FLOOR PLAN-SOUTH-OFFICE FLOOR
A-E-40	5TH FLOOR CORE PLAN-OFFICE FLOOR
A-E-41	UNASSIGNED
A-E-42	6TH, 7TH & 8TH FLOOR PLANS-WEST-OFFICE FLOOR
A-E-43	6TH, 7TH & 8TH FLOOR PLANS-EAST-OFFICE FLOOR
A-E-44	6TH, 7TH & 8TH FLOOR PLANS-SOUTH-OFFICE FLOOR
A-E-45	6TH, 7TH & 8TH FLOOR CORE PLAN - OFFICE FLOOR
A-E-46	UNASSIGNED
A-E-47	9TH FLOOR PLAN-WEST-M.E.R. & OFFICE FLOOR
A-E-48	9TH FLOOR PLAN-EAST-M.E.R. & OFFICE FLOOR
A-E-49	9TH FLOOR PLAN-SOUTH-M.E.R. & OFFICE FLOOR
A-E-50	9TH FLOOR CORE PLAN-M.E.R. & OFFICE FLOOR
A-E-51	9TH FLOOR CORE PLAN-INTERMEDIATE LEVEL
A-E-52	UNASSIGNED
A-E-53	MAIN ROOF & BULKHEAD PLAN-WEST SECTION
A-E-54	MAIN ROOF & BULKHEAD PLAN EAST-SECTION
A-E-55	MAIN ROOF & BULKHEAD PLAN-SOUTH-SECTION
A-E-56	BULKHEAD CORE PLANS & SECTIONS
A-E-57	BULKHEAD ROOF PLAN & SECTIONS
A-E-58	UNASSIGNED
A-E-59	UNASSIGNED
A-E-60	STAIR SECTIONS - STAIRS #1, #2, #3, #4
A-E-61	STAIR SECTIONS - STAIRS #5, #6, #7, #8, #9
A-E-62	ESCALATOR SECTIONS-- ESCALATORS E-1 THRU E-10

ARCHITECTURAL

DWG. No.	TITLE
A-E-101	CROSS SECTIONS
A-E-102	ELEVATIONS 'A' AND 'B'
A-E-103	ELEVATION 'C'
A-E-104	ELEVATION 'D'
A-E-105	ELEVATIONS 'E' AND 'F'
A-E-106	ELEVATIONS 'G', 'H' AND 'J'
A-E-107	CURTAIN WALL AT 1ST, 2ND AND 3RD FL'S-TYPES 1 THRU 10
A-E-108	CURTAIN WALL AT 1ST, 2ND AND 3RD FL'S - TYPES 11 THRU 14 & DETAILS
A-E-109	CURTAIN WALL DETAILS AT 2ND AND 3RD FLOORS
A-E-110	CURTAIN WALL DETAILS AT 1ST AND 2ND FLOORS
A-E-111	MISCELLANEOUS DETAILS
A-E-112	CURTAIN WALL DETAILS AT 2ND FLOOR
A-E-113	TYPICAL BAY ELEVATION AND SECTION
A-E-114	BASE COLUMN COVER DETAILS
A-E-115	TRUSS COVER DETAILS
A-E-116	UNASSIGNED
A-E-117	CURTAIN WALL AND PRECAST CONCRETE DETAILS AT 4TH FLOOR
A-E-118	CURTAIN WALL AND PRECAST CONCRETE DETAILS AT 5TH THRU 8TH FL
A-E-119	CURTAIN WALL AND PRECAST CONCRETE DETAILS AT 9TH FLOOR
A-E-120	LOUVER WALL AND PRECAST CONCRETE DETAILS AT 9TH FLOOR
A-E-121	CURTAIN WALL PRECAST CONCRETE AND MISCELLANEOUS DETAILS AT ROOF
A-E-122	BULKHEAD ELEVATIONS AND DETAILS
A-E-123	CURTAIN WALL DETAILS & LOUVER DETAILS
A-E-124	ENTRANCE DOOR DETAILS
A-E-125	VESEY STREET LOBBY (EL. 315'-6") PLAN, ELEVATIONS AND REFLECTED CEILING PLAN
A-E-126	VESEY STREET LOBBY (EL. 315'-6") ELEVATIONS CHURCH STREET LOBBY (EL. 307'-0") PLAN, ELEVATIONS AND REFLECTED CEILING PLAN
A-E-127	PLAZA LOBBY (EL. 332'-0") PLAN AND REFLECTED CEILING PLAN
A-E-128	PLAZA LOBBY (EL. 332'-0") ELEVATIONS
A-E-129	CHURCH STREET LOBBY (EL. 327'-6") PLAN, ELEVATIONS AND REFLECTED CEILING PLAN
A-E-130	ESCALATORS E-3 THRU E-10 PLANS AND SECTIONS
A-E-131	ESCALATORS E-1 THRU E-10 AND STAIR #10 ELEVATIONS AND SECTIONS
A-E-132	ESCALATORS E-3 THRU E-10 DETAILS
A-E-133	ESCALATORS AND HANDRAIL DETAILS
A-E-134	ESCALATORS E-1 AND E-2 AND STAIR #10 DETAILS
A-E-135	VESEY STREET LOBBY - EL. (315'-6") DETAILS
A-E-136	2ND FLOOR EL. 332'-0"-LOBBY DETAILS
A-E-137	ELEVATOR CAB PLANS, ELEVATIONS & DETAILS
A-E-138	ELEVATOR CAB DETAILS
A-E-139	VESEY STREET LOBBY DETAILS AT EL. 310'-0" AND 315'-6"
A-E-140	UNASSIGNED
A-E-141	UNASSIGNED
A-E-142	UNASSIGNED
A-E-143	UNASSIGNED
A-E-144	TYPICAL PARTITION DETAILS
A-E-145	TYPICAL TOILET DETAILS
A-E-146	TYPICAL STAIR DETAILS
A-E-147	MISCELLANEOUS DETAILS
A-E-148	CEILING DETAILS
A-E-149	MISCELLANEOUS INTERIOR DETAILS
A-E-150	STAIR PL-7 & I.R.T. STAIR, PLAN SECTIONS & DETAILS
A-E-151	STAIR PL-7 AND MISCELLANEOUS DETAILS
A-E-152	STAIR PL-7 DETAILS
A-E-153	CONCOURSE FLOOR PLAN
A-E-154	CONCOURSE REFLECTED CEILING PLAN
A-E-155	CONCOURSE ELEVATIONS
A-E-156	CONCOURSE ELEVATIONS
A-E-157	CONCOURSE ELEVATIONS
A-E-158	CONCOURSE CEILING DETAILS
A-E-159	PATH SQUARE PLANS & SECTIONS
A-E-160	PATH SQUARE DETAILS
A-E-161	PLANS AND DETAILS OF CONNECTING PASSAGES IN CONCOURSE AREA
A-E-162	CONCOURSE AREA - A.B & C PASSAGES. MAP NICHE, TELEPHONE DIRECTORY NICHE & PHONE BOOTH DETS
A-E-163	CONCOURSE. MISCELLANEOUS DETAILS.

STRUCTURAL

DWG. No.	TITLE
S.N.E-1	FRAMING PLAN- ELEVATION 310'-0"- N.W.
S.N.E-2	FRAMING PLAN- ELEVATION 310'-0"- N.E.
S.N.E-3	FRAMING PLAN- ELEVATION 310'-0"- S.E.
S.N.E-4	FRAMING PLAN- ELEVATION 310'-0"- S.W.
S.N.E-5	FRAMING PLAN- ELEVATION 332'-0"- N.W.
S.N.E-6	FRAMING PLAN- ELEVATION 332'-0"- N.E.
S.N.E-7	FRAMING PLAN- ELEVATION 332'-0"- S.E.
S.N.E-8	FRAMING PLAN- ELEVATION 332'-0"- S.W.
S.N.E-9	FRAMING PLAN-FLOOR 3 - WEST
S.N.E-10	FRAMING PLAN-FLOOR 3 - EAST
S.N.E-11	FRAMING PLAN-FLOOR 3 - SOUTH
S.N.E-12	FRAMING PLAN-FLOOR 4 - WEST
S.N.E-13	FRAMING PLAN-FLOOR 4 - EAST
S.N.E-14	FRAMING PLAN-FLOOR 4 - SOUTH
S.N.E-15	FRAMING PLAN-FLOOR 5 - WEST
S.N.E-16	FRAMING PLAN-FLOOR 5 - EAST
S.N.E-17	FRAMING PLAN-FLOOR 5 SOUTH
S.N.E-18	FRAMING PLAN-FLOORS 6, 7 & 8-WEST
S.N.E-19	FRAMING PLAN-FLOORS 6, 7 & 8- EAST
S.N.E-20	FRAMING PLAN-FLOORS 6, 7 & 8-SOUTH
S.N.E-21	FRAMING PLAN-FLOOR 9- WEST
S.N.E-22	FRAMING PLAN-FLOOR 9- EAST
S.N.E-23	FRAMING PLAN-FLOOR 9- SOUTH
S.N.E-24	FRAMING PLAN-ROOF- WEST
S.N.E-25	FRAMING PLAN-ROOF - EAST
S.N.E-26	FRAMING PLAN-ROOF - SOUTH
S.N.E-27	FRAMING PLAN PENTHOUSE ROOF, PLENUM SLABS
S.N.E-28	FRAMING PLAN ELEVATION 310' SOUTH
S.N.E-29	FRAMING PLAN ELEVATION 332' SOUTH
SNE-30	CONCRETE PLAN-ELEVATION 310'-0"-N.W.
SNE-31	CONCRETE PLAN-ELEVATION 310'-0" N.E.
SNE-32	CONCRETE PLAN-ELEVATION 310'-0" - S.E.
SNE-33	CONCRETE PLAN-ELEVATION 310'-0"- S.W.
SNE-34	CONCRETE PLAN-ELEVATION 310'-0" - C
SNE-35	CONCRETE PLAN-ELEVATION 332'-0" - N.W.
SNE-36	CONCRETE PLAN-ELEVATION 332'-0" - N.E.
SNE-37	CONCRETE PLAN-ELEVATION 332'-0" - S.E.
SNE-38	CONCRETE PLAN-ELEVATION 332'-0" - S.W.
SNE-39	UNASSIGNED
SNE-40	1ST FLOOR CORE PLAN- CONCRETE PLAN
SNE-41	2ND FLOOR CORE PLAN- CONCRETE PLAN
SNE-42	3RD FLOOR CORE PLAN- CONCRETE PLAN
SNE-43	4TH FLOOR CORE PLAN CONCRETE PLAN
SNE-44	5TH FLOOR CORE PLAN - CONCRETE PLAN
SNE-45	6TH, 7TH, 8TH FLOOR CORE PLAN - CONCRETE PLAN
SNE-46	9TH FLOOR CORE PLAN-CONCRETE PLAN
SNE-47	9TH FLOOR INT. LEVEL & ROOF - CONCRETE PLAN
SNE-48	UNASSIGNED
SNE-49	UNASSIGNED
SNE-50	BASEMENT LEVEL AT EL. 289'-[illegible]
SNE-51	BASEMENT LEVEL AT EL. 289'-6"
SNE-52	BASEMENT LEVEL AT EL. 290'-0"
SNE-53	CONCOURSE LEVEL AT EL. 310'-0"
SNE-54	CONCOURSE LEVEL AT EL. 307'-0"
SNE-55	CONCOURSE LEVEL AT EL. 315'-0"
SNE-56	CONCOURSE LEVEL AT EL. 301'-0"
SNE-57	SLAB AT ELEV'S. 310'-0" & 289'-0"
SNE-58	TYPICAL SECTIONS AND DETAILS
SNE-59	VESEY STREET SUBWAY ENTRANCE-PLAN AND SECTIONS.
SNE-60	VESEY STREET SUBWAY ENTRANCE-SECTIONS & DETAILS
SNE-61	VESEY STREET SUBWAY ENTRANCE - PLAN, ELEV., SECT'S, & DETAILS
SNE-62	VESEY STREET SUBWAY ENTRANCE - PLAN AND SECTIONS
SNE-63	VESEY STREET SUBWAY ENTRANCE - ELECTRICAL POWER DISTR. EQUIPM.
SNE-64	VESEY STREET SUBWAY ENTRANCE - ELECTRICAL, LIGHTING & WIRING DIAGRAM.

H.V.A.C.

DWG. No.	TITLE
ME-1	DRAWINGS INDEX, SYMBOLS & ABBREVIATIONS
ME-2	UNASSIGNED
ME-3	UNASSIGNED
ME-4	EL. 289'-6" MER NORTH SECTION
ME-5	EL. 289'-6" MER CENTER SECTION
ME-6	EL. 289'-6" MER SOUTH SECTION
ME-7	EL. 289'-6" M.E.R. PIPING PLAN - CENTER SECTION.
ME-8	EL. 289'-6" M.E.R. SECTIONS
ME-9	UNASSIGNED
ME-10	UNASSIGNED
ME-11	EL. 310' FLOOR PLAN C.W. SECTION
ME-12	EL. 310' FLOOR PLAN N.W. SECTION
ME-13	EL. 310' FLOOR PLAN N.E. SECTION
ME-14	EL. 310' FLOOR PLAN C.E. SECTION
ME-15	EL. 310' FLOOR PLAN S.W. SECTION
ME-16	EL. 310' FLOOR PLAN S.E. SECTION
ME-17	UNASSIGNED
ME-18	UNASSIGNED
ME-19	2ND FLOOR PLAN-WEST-PLAZA LEVEL
ME-20	2ND FLOOR PLAN-EAST-PLAZA LEVEL
ME-21	2ND FLOOR PLAN - SOUTH-PLAZA LEVEL
ME-22	UNASSIGNED
ME-23	3RD FLOOR PLAN-WEST- MEZZANINE FLOOR
ME-24	3RD FLOOR PLAN-EAST- MEZZANINE FLOOR
ME-25	3RD FLOOR PLAN- SOUTH-MEZZANINE FLOOR
ME-26	UNASSIGNED
ME-27	4TH FLOOR PLAN-WEST - TRADE MART FLOOR
ME-28	4TH FLOOR PLAN - EAST - TRADE MART FLOOR
ME-29	4TH FLOOR PLAN - SOUTH - TRADE MART FLOOR
ME-30	UNASSIGNED
ME-31	5TH FLOOR PLAN-WEST-OFFICE FLOOR
ME-32	5TH FLOOR PLAN-EAST- OFFICE FLOOR
ME-33	5TH FLOOR PLAN-SOUTH-OFFICE FLOOR
ME-34	UNASSIGNED
ME-35	6TH & 7TH FLOOR PLANS-WEST-OFFICE FLOOR
ME-36	6TH & 7TH FLOOR PLANS-EAST-OFFICE FLOOR
ME-37	6TH & 7TH FLOOR PLANS-SOUTH-OFFICE FLOOR
ME-38	UNASSIGNED
ME-39	8TH FLOOR PLAN-WEST-OFFICE FLOOR
ME-40	8TH FLOOR PLAN-EAST-OFFICE FLOOR
ME-41	8TH FLOOR PLAN-SOUTH-OFFICE FLOOR
ME-42	UNASSIGNED
ME-43	9TH FLOOR PLAN-WEST-M.E.R. & OFFICE FLOOR
ME-44	9TH FLOOR PLAN-EAST-M.E.R. & OFFICE FLOOR
ME-45	9TH FLOOR PLAN-SOUTH-M.E.R. & OFFICE FLOOR
ME-46	9TH FLOOR MER SECTION
ME-47	9TH FLOOR MER SECTION
ME-48	UNASSIGNED
ME-49	UNASSIGNED
ME-50	MAIN ROOF & BULKHEAD PLAN - WEST SECTION
ME-51	MAIN ROOF & BULKHEAD PLAN - EAST SECTION
ME-52	UNASSIGNED
ME-53	INTERIOR RISER DIAGRAM SHEET No 1
ME-54	INTERIOR RISER DIAGRAM SHEET No 2
ME-55	INTERIOR RISER DIAGRAM SHEET No 3
ME-56	RISER DIAGRAM No 1 PERIPHERAL AIR & WATER-3RD-9TH FLOORS
ME-57	RISER DIAGRAM No 2 PERIPHERAL AIR & WATER 3RD-9TH FLOORS
ME-58	RISER DIAGRAM No 3 PERIPHERAL AIR & WATER 3RD-9TH FLOORS
ME-59	RISER DIAGRAM No 4 PERIPHERAL AIR & WATER 3RD-9TH FLOORS
ME-60	RISER DIAGRAM No 5 PERIPHERAL AIR & WATER 3RD-9TH FLOORS
ME-61	RISER DIAGRAM HOT WATER CONVECTORS 1ST-3RD FLOORS
ME-62	UNASSIGNED
ME-63	EQUIPMENT SCHEDULE SHEET No 1
ME-64	EQUIPMENT SCHEDULE SHEET No 2
ME-65	EQUIPMENT SCHEDULE SHEET No 3
ME-66	EQUIPMENT SCHEDULE SHEET No 4
ME-67	EQUIPMENT SCHEDULE SHEET No 5
ME-68	EQUIPMENT SCHEDULE SHEET No 6
ME-69	EQUIPMENT SCHEDULE SHEET No 7
ME-70	DETAIL SHEET No 1
ME-71	DETAIL SHEET No 2
ME-72	DETAIL SHEET No 3
ME-73	DETAIL SHEET No 4
ME-74	TYPICAL MOTOR CONTROL CENTER SCHEDULE AND WIRING DIAGRAM
ME-75	MOTOR CONTROL CENTER SCHEDULE
ME-76 TO ME-78	TYPICAL INTERIOR DUCTWORK LAYOUTS - WEST, EAST & SOUTH

PLUMBING

DWG. No.	TITLE
P-E-1	DRAWING INDEX, GENERAL NOTES, SYMBOLS & FIXTURE CONNECTION SCHEDULE
P-E-2	UNASSIGNED
P-E-3	UNASSIGNED
P-E-4	UNASSIGNED
P-E-5	UNASSIGNED
P-E-6	UNASSIGNED
P-E-7	289'-6" FLOOR PLAN 'N'- MECHANICAL ROOM LEVEL
P-E-8	289'-6" FLOOR PLAN 'C'- MECHANICAL ROOM LEVEL
P-E-9	289'-6" FLOOR PLAN 'S'- MECHANICAL ROOM LEVEL
P-E-10	1ST FLOOR PLAN-CONCOURSE LEVEL-NORTHWEST SECTION
P-E-11	1ST FLOOR PLAN-CONCOURSE LEVEL-NORTHEAST SECTION
P-E-12	1ST FLOOR PLAN - CONCOURSE LEVEL-CENTER WEST SECTION
P-E-13	1ST FLOOR PLAN - CONCOURSE LEVEL - CENTER EAST SECTION
P-E-14	1ST FLOOR PLAN - CONCOURSE LEVEL - SOUTH WEST SECTION
P-E-15	1ST FLOOR PLAN - CONCOURSE LEVEL - SOUTH EAST SECTION
P-E-16	2ND FLOOR PLAN-WEST PLAZA LEVEL
P-E-17	2ND FLOOR PLAN-EAST PLAZA LEVEL
P-E-18	2ND FLOOR PLAN-SOUTH PLAZA LEVEL
P-E-19	3RD FLOOR PLAN - WEST - MEZZANINE FLOOR
P-E-20	3RD FLOOR PLAN - EAST - MEZZANINE FLOOR
P-E-21	3RD FLOOR PLAN-SOUTH- MEZZANINE FLOOR
P-E-22	4TH FLOOR PLAN-WEST-TRADEMART FLOOR
P-E-23	4TH FLOOR PLAN-EAST-TRADEMART FLOOR
P-E-24	4TH FLOOR PLAN-SOUTH-TRADEMART FLOOR
P-E-25	5TH FLOOR PLAN-WEST-OFFICE FLOOR
P-E-26	5TH FLOOR PLAN - EAST - OFFICE FLOOR
P-E-27	5TH FLOOR PLAN-SOUTH-OFFICE FLOOR
P-E-28	6TH, 7TH & 8TH FLOOR PLAN - WEST - OFFICE FLOOR
P-E-29	6TH, 7TH & 8TH FLOOR PLAN - EAST - OFFICE FLOOR
P-E-30	6TH, 7TH & 8TH FLOOR PLAN - SOUTH-OFFICE FLOOR
P-E-31	9TH FLOOR PLAN - WEST- M.E.R. & OFFICE FLOOR
P-E-32	9TH FLOOR PLAN - EAST - M.E.R. & OFFICE FLOOR
P-E-33	9TH FLOOR PLAN - SOUTH - M.E.R. & OFFICE FLOOR
P-E-34	MAIN ROOF & BULKHEAD PLAN WEST SECTION
P-E-35	MAIN ROOF & BULKHEAD PLAN EAST SECTION
P-E-36	MAIN ROOF & BULKHEAD PLAN SOUTH SECTION
P-E-37	UNASSIGNED
P-E-38	UNASSIGNED
P-E-39	DETAIL SHEET No 1
P-E-40	DETAIL SHEET No 2
P-E-41	DETAIL SHEET No 3
P-E-42	UNASSIGNED
P-E-43	UNASSIGNED
P-E-44	WATER & F.S.P. RISER DIAGRAM
P-E-45	SANITARY & L.D.R. RISER DIAGRAM
P-E-46	UNASSIGNED
P-E-47	EQUIPMENT SCHEDULE No 1
P-E-48	EQUIPMENT SCHEDULE No 2
P-E-49	UNASSIGNED
P-E-50	UNASSIGNED
SP-E-1	4TH FLOOR PLAN- WEST TRADEMART FLOOR
SP-E-2	4TH FLOOR PLAN-EAST TRADEMART FLOOR
SP-E-3	4TH FLOOR PLAN- SOUTH TRADEMART FLOOR
SP-E-4	1ST FLOOR PLAN CONCOURSE LEVEL NORTHWEST SECTION
SP-E-5	1ST FLOOR PLAN CONCOURSE LEVEL NORTHEAST SECTION
SP-E-6	1ST FLOOR PLAN CONCOURSE LEVEL CENTERWEST SECTION
SP-E-7	1ST FLOOR PLAN CONCOURSE LEVEL CENTEREAST SECTION
SP-E-8	1ST FLOOR PLAN CONCOURSE LEVEL SOUTHWEST SECTION
SP-E-9	1ST FLOOR PLAN CONCOURSE LEVEL SOUTHEAST SECTION & PART PLANS ELEV. 289'-6"

ELECTRICAL

DWG. No.	TITLE
E-E-1	LIST OF DRAWINGS, SYMBOLS AND GENERAL NOTES
E-E-2	LIGHTING AND POWER PLAN-EL. 289'-6"-NORTH
E-E-3	LIGHTING AND POWER PLAN-EL. 289'-6"-CENTER
E-E-4	LIGHTING AND POWER PLAN-EL. 289'-6"-SOUTH
E-E-5	LIGHTING AND POWER PLAN-EL. 310'-0"-SOUTHWEST
E-E-6	LIGHTING AND POWER PLAN-EL. 310'-0"-SOUTHEAST
E-E-7	LIGHTING AND POWER PLAN-EL. 310'-0"-NORTHWEST
E-E-8	LIGHTING AND POWER PLAN-EL. 310'-0"-NORTHEAST
E-E-9	LIGHTING AND POWER PLAN-EL. 310'-0"-CENTER WEST
E-E-10	LIGHTING AND POWER PLAN-EL. 310'-0"-CENTER EAST
E-E-11	LIGHTING AND POWER PLAN-2ND FLOOR-WEST
E-E-12	LIGHTING AND POWER PLAN-2ND FLOOR-EAST
E-E-13	LIGHTING AND POWER PLAN-2ND FLOOR-SOUTH
E-E-14	LIGHTING AND POWER PLAN-3RD FLOOR-WEST
E-E-15	LIGHTING AND POWER PLAN-3RD FLOOR-EAST
E-E-16	LIGHTING AND POWER PLAN-3RD FLOOR-SOUTH
E-E-17	LIGHTING PLAN-4TH FLOOR-WEST
E-E-18	LIGHTING PLAN-4TH FLOOR-EAST
E-E-19	LIGHTING PLAN-4TH FLOOR-SOUTH
E-E-20	POWER PLAN-4TH FLOOR-WEST
E-E-21	POWER PLAN-4TH FLOOR-EAST
E-E-22	POWER PLAN-4TH FLOOR-SOUTH
E-E-23	LIGHTING AND POWER PLAN-5TH FLOOR-WEST
E-E-24	LIGHTING AND POWER PLAN-5TH FLOOR-EAST
E-E-25	LIGHTING AND POWER PLAN-5TH FLOOR-SOUTH
E-E-26	LIGHTING AND POWER PLAN-6TH, 7TH AND 8TH FLOORS-WEST
E-E-27	LIGHTING AND POWER PLAN-6TH, 7TH AND 8TH FLOORS-EAST
E-E-28	LIGHTING AND POWER PLAN-6TH, 7TH AND 8TH FLOORS-SOUTH
E-E-29	LIGHTING AND POWER PLAN-9TH FLOOR-WEST
E-E-30	LIGHTING AND POWER PLAN-9TH FLOOR-EAST
E-E-31	LIGHTING AND POWER PLAN-9TH FLOOR-SOUTH
E-E-32	LIGHTING AND POWER PLAN-MAIN ROOF AND BULKHEAD-WEST
E-E-33	LIGHTING AND POWER PLAN-MAIN ROOF AND BULKHEAD-EAST
E-E-34	LIGHTING AND POWER PLAN-MAIN ROOF AND BULKHEAD-SOUTH
E-E-35	UNASSIGNED
E-E-36	UNASSIGNED
E-E-37	UNASSIGNED
E-E-38	SUB-STATION "SS-PE" DETAILS AND MAIN SWITCHBOARD SCHEDULES AND SINGLE LINE DIAGRAM
E-E-39	SUB-STATION ELEVATION AND MISCELLANEOUS DETAILS
E-E-40	ELECTRIC CLOSET DETAILS
E-E-41	SUB-STATION "SS-PE" SWITCHBOARD LAYOUT AND SCHEDULE-ALTERNATE #2.
E-E-42	UNASSIGNED
E-E-43	LIGHT AND POWER RISER DIAGRAM
E-E-44	EMERGENCY LIGHTING, ESCALATOR LIGHTING RISER DIAGRAM AND FLOOR MACHINE RECEPTICAL RISER DIAGRAM
E-E-45	MISCELLANEOUS-SYSTEMS RISER DIAGRAM
E-E-46	EMERGENCY POWER CENTER, AUTOMATIC TRANSFER SWITCH, ELEVATOR AND DISTRIBUTION PANEL SCHEDULES AND WIRING DIAGRAM
E-E-47	MOTOR CONTROL CENTER FEEDER AND PANEL SCHEDULES
E-E-48	LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-E-49	LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-E-50	LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-E-51	LIGHTING PANEL REMOTE CONTROL SYSTEM DIAGRAM
E-E-52	UNASSIGNED
E-E-53	UNASSIGNED
E-E-54	GROUNDING SYSTEM AND TENANT LIGHTING CONTROL FIBER DIAGRAM AND DETAILS
E-E-55	FLOOR SYSTEM DETAILS HEADER DUCT AND ACCESS OPENINGS
E-E-56	FLOOR SYSTEM DETAILS SERVICE FITTINGS
E-E-57	ALTERNATE No. 1 CEILING WIRING SYSTEM PERSPECTIVE VIEW AND ASSEMBLY DRAWING
E-E-58	ALTERNATE No. 1 CEILING WIRING DEVICE AND FITTING DETAILS
E-E-59	MISCELLANEOUS DETAILS
E-E-60	UNASSIGNED
E-E-61	UNASSIGNED
E-E-[illegible] Suppl.	changes [illegible] 289.6 thru 7th Fl for [illegible] freight elevator
SE-EX1	Supplementary changes to el 289.6 thru 7th Fl for future freight elevators.

ELEVATOR DRAWINGS

DWG. No.	TITLE
EL-1	PASSENGER ELEVATORS AND ESCALATORS E-1 & E-2
EL-2	ESCALATORS E-3 THRU E-10 DETAILS AND PASSENGER ELEVATOR SECTION
EL-3	SERVICE ELEVATOR DETAILS

RECEIVED
DEC 28 1990
LESLIE E. R[illegible]SON
ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
7	3-22-73	E-155	T.F.
6	3-22-73	E-[illegible]7	T.F.
5	10-31-72	E-[illegible]2	L.J.
4	—	—	—
3	2-28-72	E-42	L.J.
2	7-24-70	E-16	A.W.
1	4-16-70	E-7	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

CONTRACT BID DRAWING date [illegible]

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

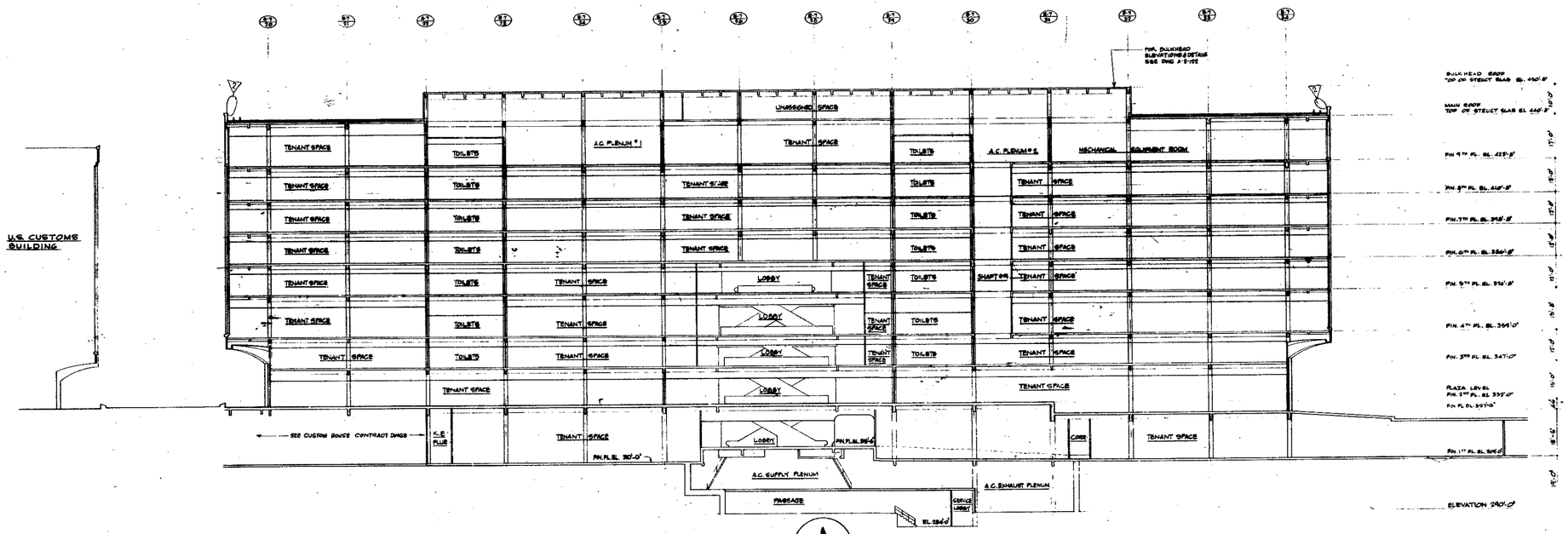
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

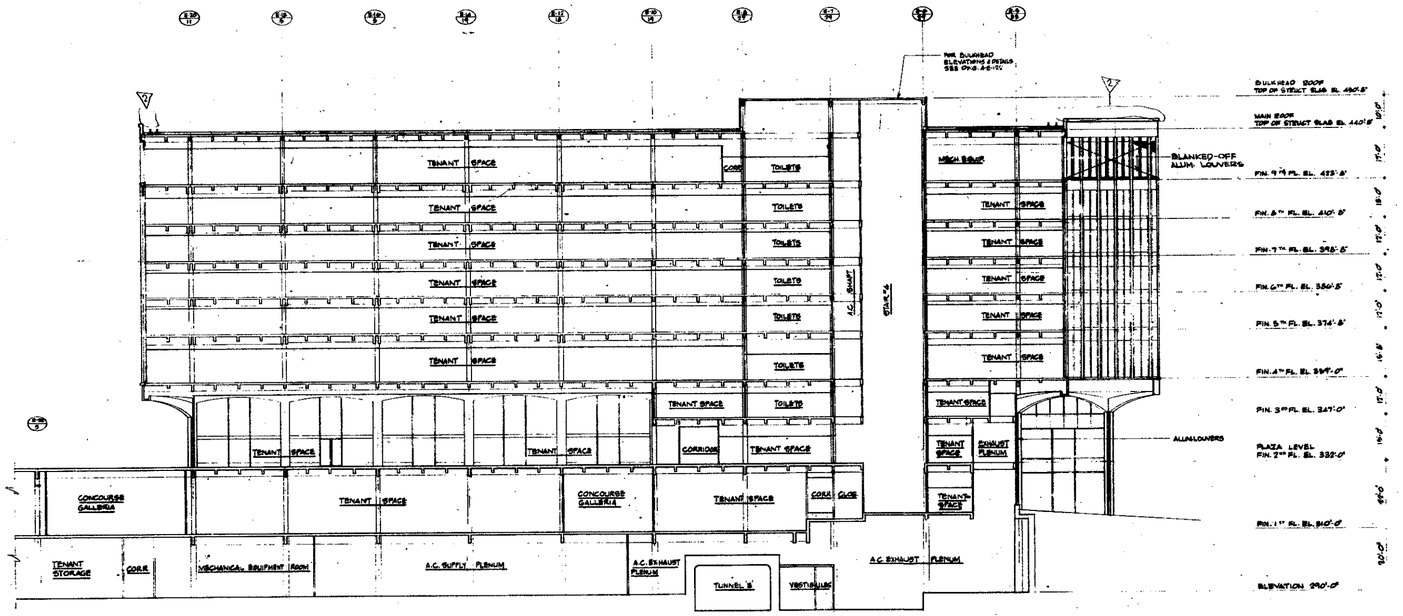
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
SCHEDULE OF DRAWINGS

DRAWN		CHECKED	
SCALE	NONE	DATE	7-28-69
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-E-1		

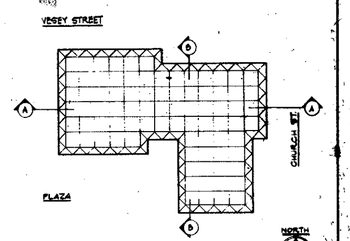


SECTION A/101



SECTION B/101

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. NO. A-E-2 & A-E-3



KEY PLAN 1/100'-0"

1/16"=1'-0" 0 6' 12' 24' 36' 48'

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-22-69

NO.	DATE	REVISIONS	BY
4	4-15-70	B-5	A.T.H.
3	11-26-69	B-1	K.H.

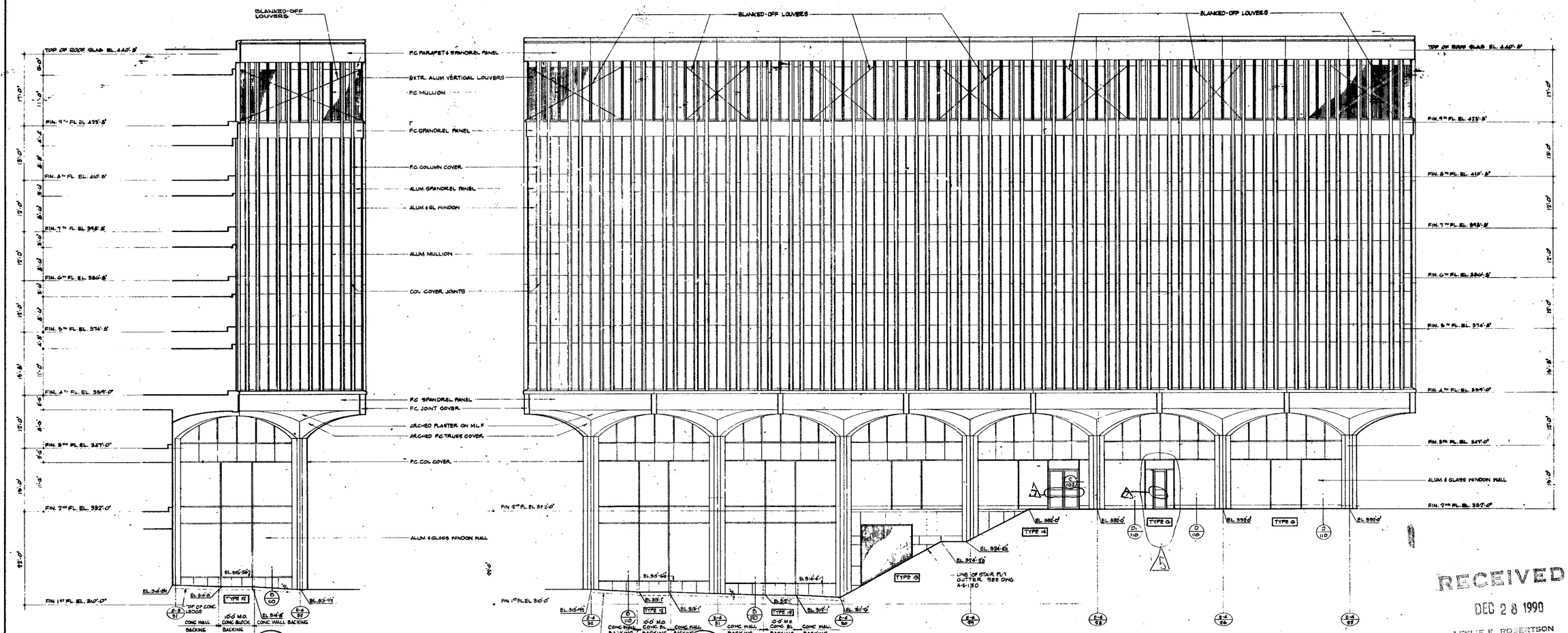
APPROVED
CHIEF, PLANNING DIVISION
DATE

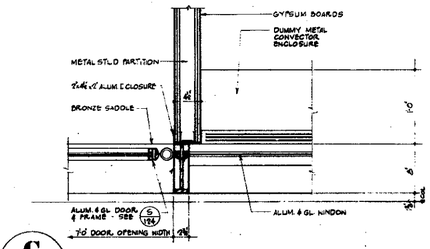
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

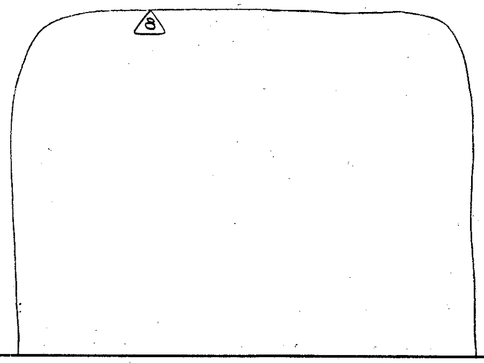
TITLE: NORTHEAST PLAZA BUILDING
CROSS SECTIONS

DRAWN	J.M.B.	CHECKED	
SCALE	1/16"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-101		



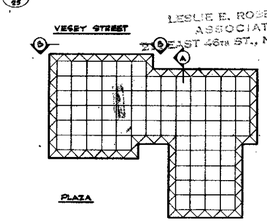


C 102 EXTERIOR DOOR JAMB DET. COLS. B4 & B5



BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. NO. A-E-0&A-E-3
2- FOR TYPES & DETAILS OF ARCHED BASE BAYS SEE DWG NO. A-E-107 THRU A-E-117
3- ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS PRECAST CONCRETE OR "PC" SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.



KEY PLAN 1"=100'-0"

1½"=1'-0" 0 3" 6" 1' 2'
1/8"=1'-0" 0 4' 8' 16' 24'

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
250 EAST 46th ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-25-69

NO.	DATE	SUB. NO.	BY
1	6-25-69	E-169	DE
2			AK
3	10-4-72	E-42	JB
4		E-37	LJT
5	6-14-73	E-1	RTH
6	4-8-74	E-3	RTH
7	4-8-74	E-5	RTH
8	11-28-84	E-1	KM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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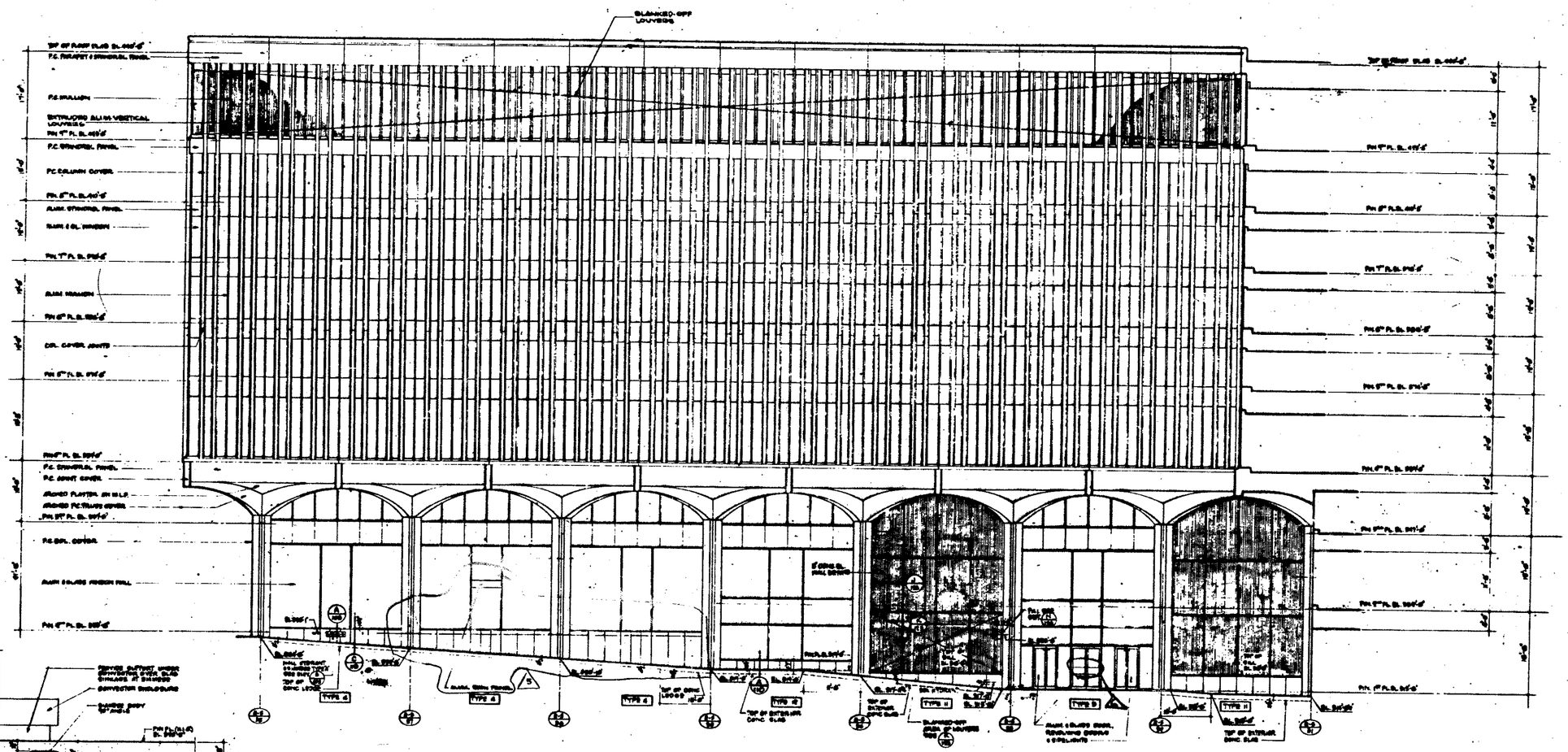
MECHANICAL ENGINEERS

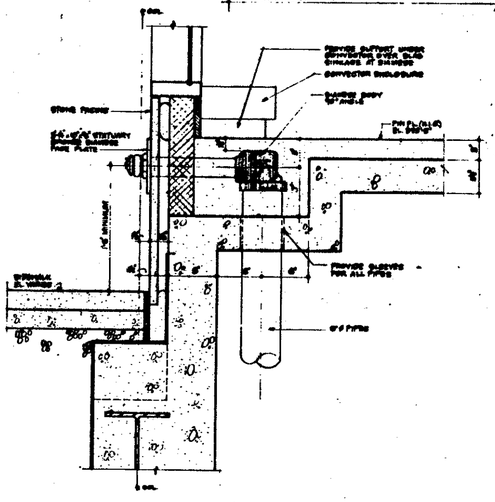
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING ELEVATIONS 'A' AND 'B'

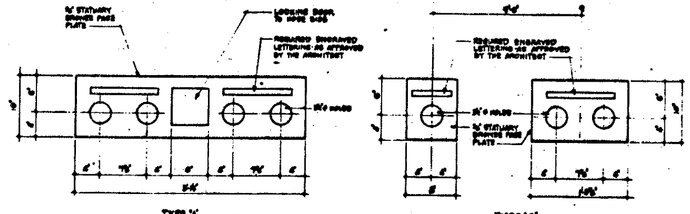
DRAWN	J.M.-E.	CHECKED	
SCALE	1/16" & 1/8" FULL SIZE	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-102		



ELEVATION C/103

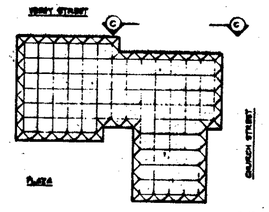


A/103 SECTION



B/103 SIAMESE CONNECTIONS AND VALVE PLATES

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION



NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. NO. A-0-2 & A-0-3

2- FOR TYPES & DETAILS OF ALUMINUM SASH SEE DWG. NOS. A-8-17 THRU A-8-27

3- ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE" OR P.C. SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

CONTRACT NO.	DRAWING DWG. A-1-17			
				A-1
	A	10-1-71	BS-MS	A/1
	A	4-28-72	P.S.	A/2
	A	6-8-72	S.M.	A/3
	A	6-16-72	BS	A/4
	A	11-10-72	S.H.	A/5

DEVISIONS

DEVISIONS

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & ANDERSON
MECHANICAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

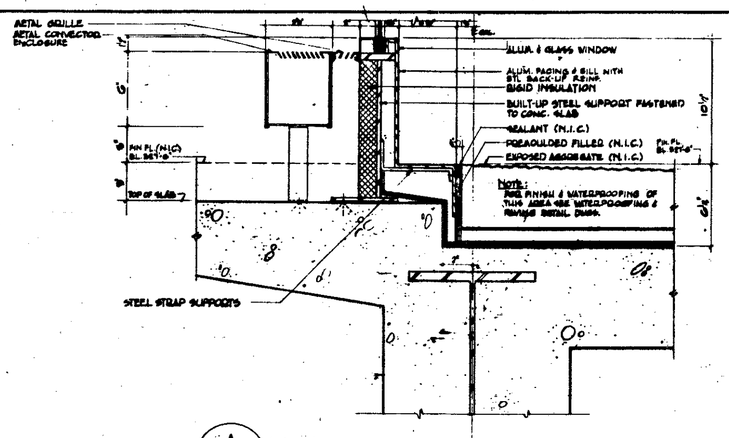
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

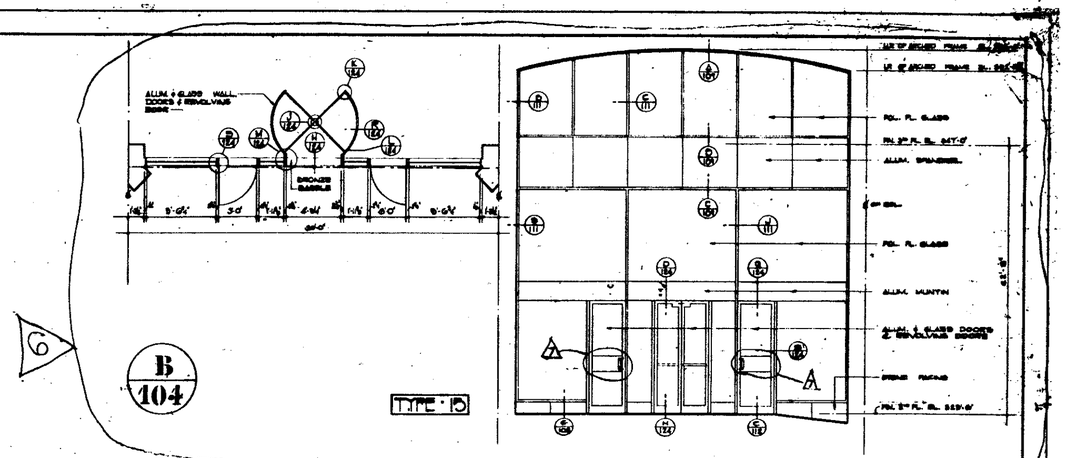
TITLE: NORTHEAST PLAZA BUILDING
ELEVATION 'C'

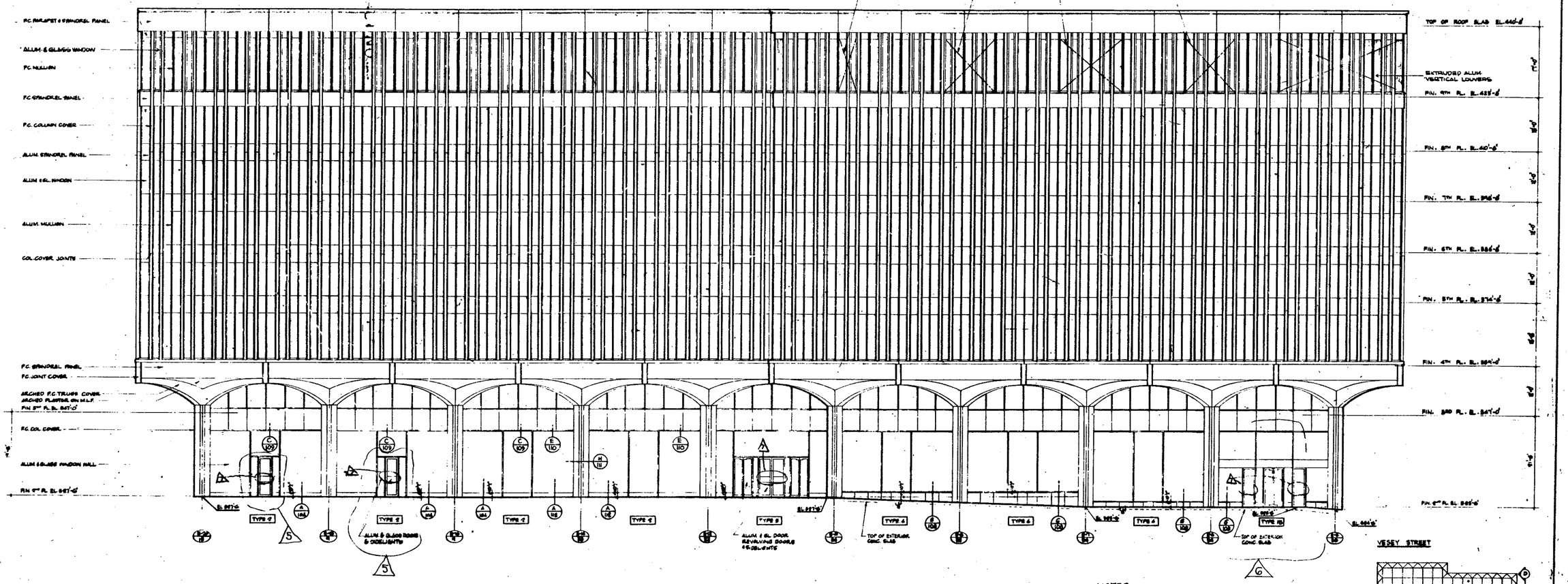
DRAWN	R.T.H.	CHECKED	
SCALE	1/4"-1'-0"	DATE	7-25-69
PROJECT DIRECTOR		CHIEF	BY

A·E·103



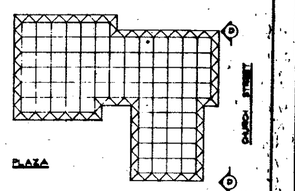
A/104 BASE WINDOW SILL @ 2nd FLOOR BETWEEN COLS (E.20/C) & (E.21/C)
SCALE: 3/4"=1'-0"





ELEVATION D/104

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO A-S-2 & A-S-3
2- FOR TYPES & DETAILS OF ARCHED BASE BAYS SEE DWG NO. A-E-101 THRU A-E-107
3- FOR TYPICAL CONVECTOR ENCLOSURE DETAILS SEE DWG A-E-111
4- ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE OR PC" SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.



KEY PLAN 1"=200'-0"

1/8"=1'-0" 0 4' 8' 16' 24'

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-21-71

NO.	DATE	REVISIONS	BY
A			A.K.
9	10-7-71	E-44	J.T.
8		E-27	S.B.
4	6-15-70	E-3	R.T.
3	5-15-70	E-1	R.T.
2	5-15-70	P-5	R.T.
1	1-26-70	E-1	R.T.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

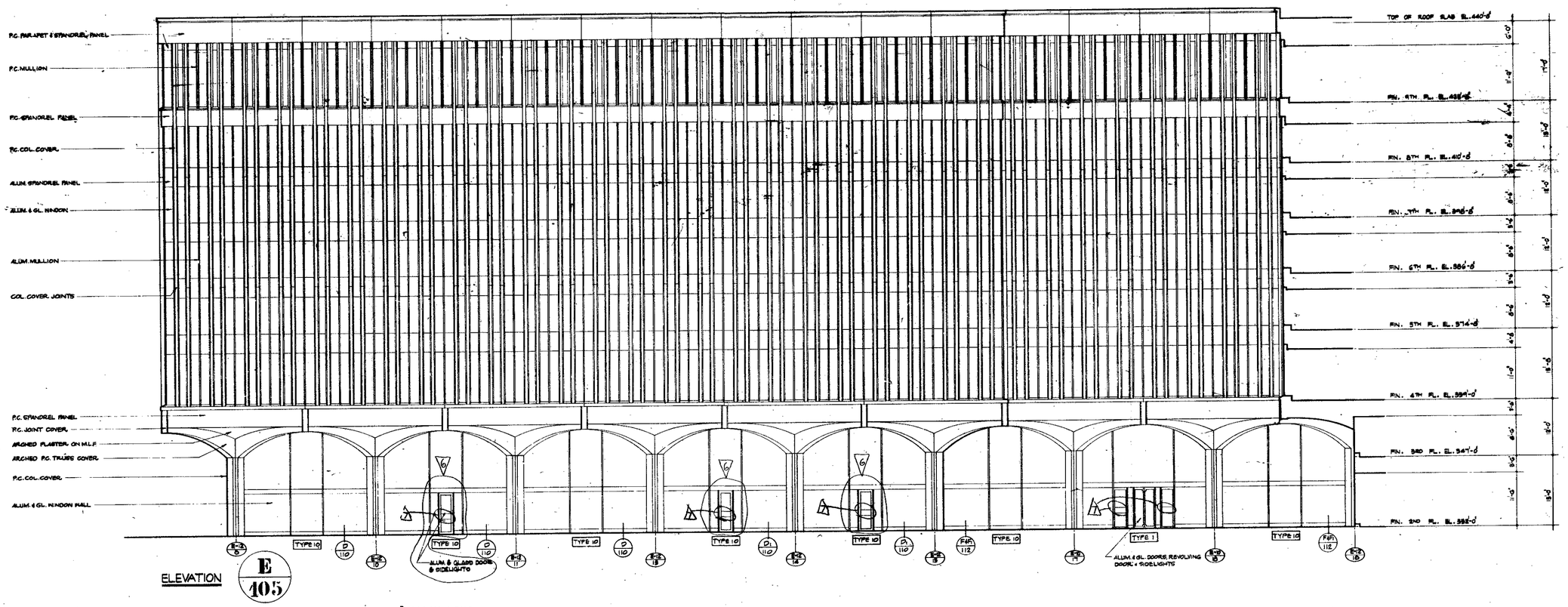
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

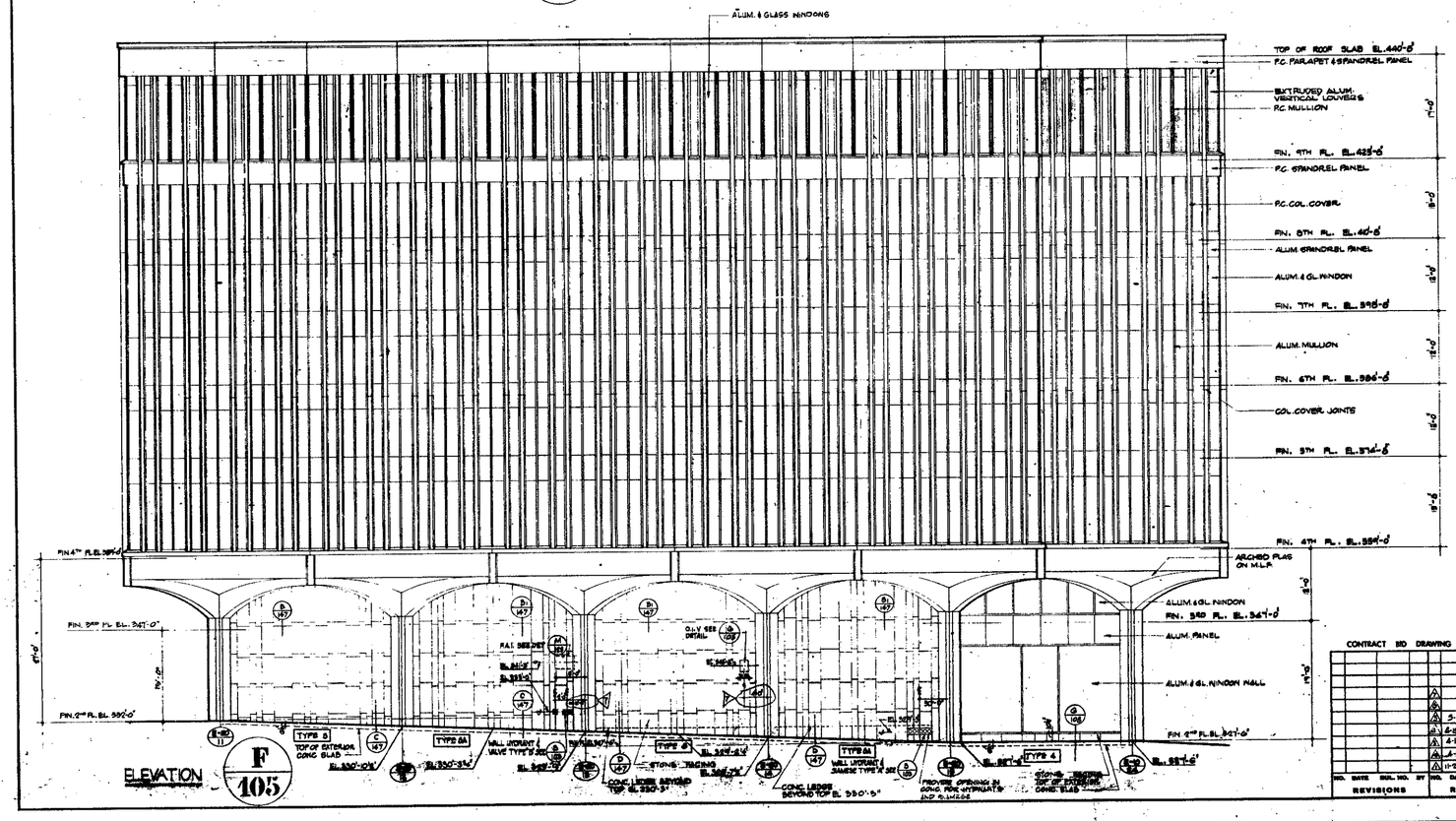
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
ELEVATION 'D'

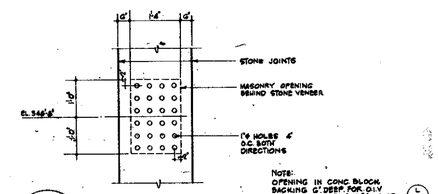
DRAWN	N.S.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-26-71
PROJECT MANAGER		SHEET	OF
DRAWING NUMBER	A·E·104		



ELEVATION **E** / 405



ELEVATION **F** / 405

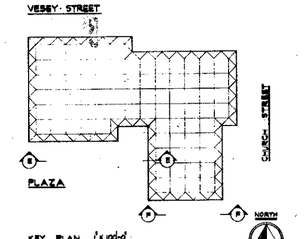


NOTE:
OPENING IN CONC. BLOCK BACKING 6" DEEP FOR O.I.V. PIPE PROVIDE 2"ø I.P.S. W/ L SWITCH (L 165)

G / 405
PERFORATED STONE PATTERN FOR O.I.V.
SCALE: 1½"=1'-0"

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG NO. A-E-2 & A-E-3
2- FOR TYPES & DETAILS OF ARCHED BASE BAYS SEE DWGS NO. A-E-101 THRU A-E-117
3- ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE" OR "P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION



KEY PLAN 1"=100'-0"

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 6-25-69

NO.	DATE	DWN.	BY
5	5-29-70	E-37	L.F.S.
4	5-6-70	E-7	A.W.
3	4-15-70	E-3	K.F.H.
2	4-15-70	E-5	K.F.H.
1	11-28-69	E-1	K.F.H.

REVISIONS

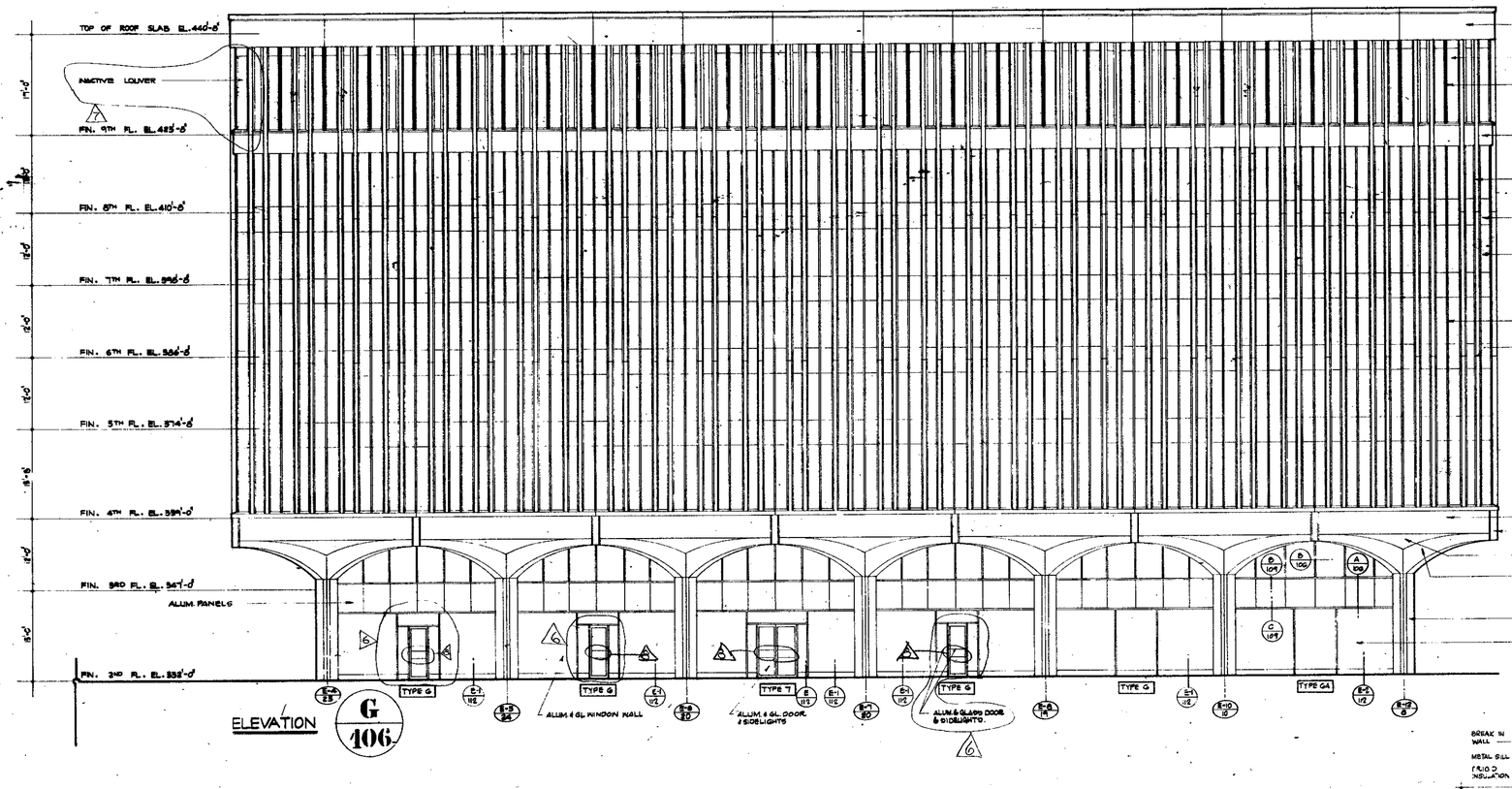
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

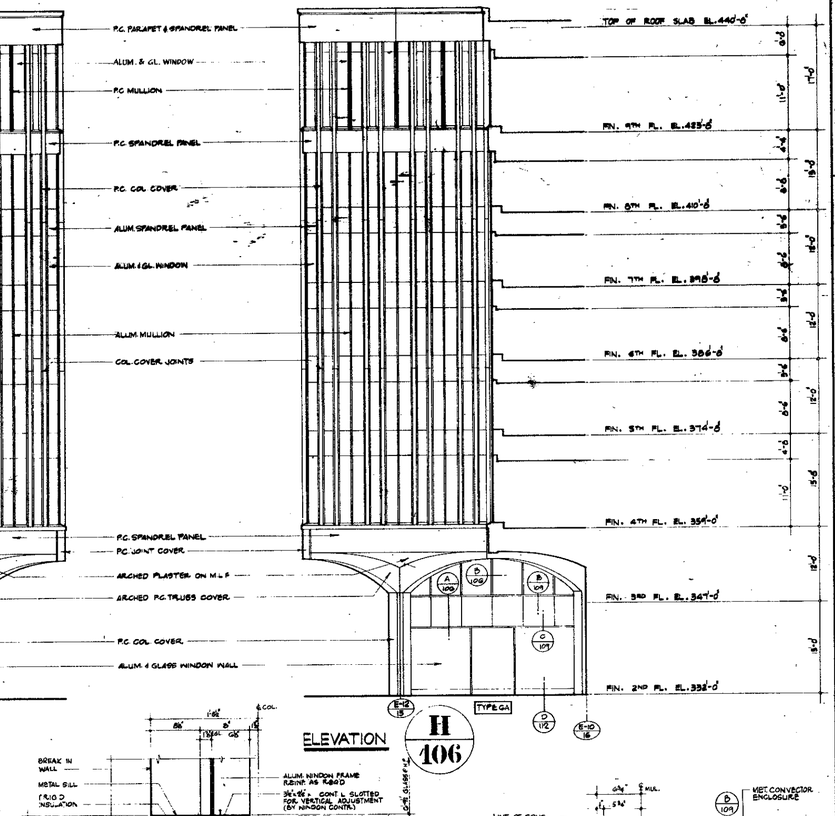
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS
EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY, PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING ELEVATIONS "E & F"

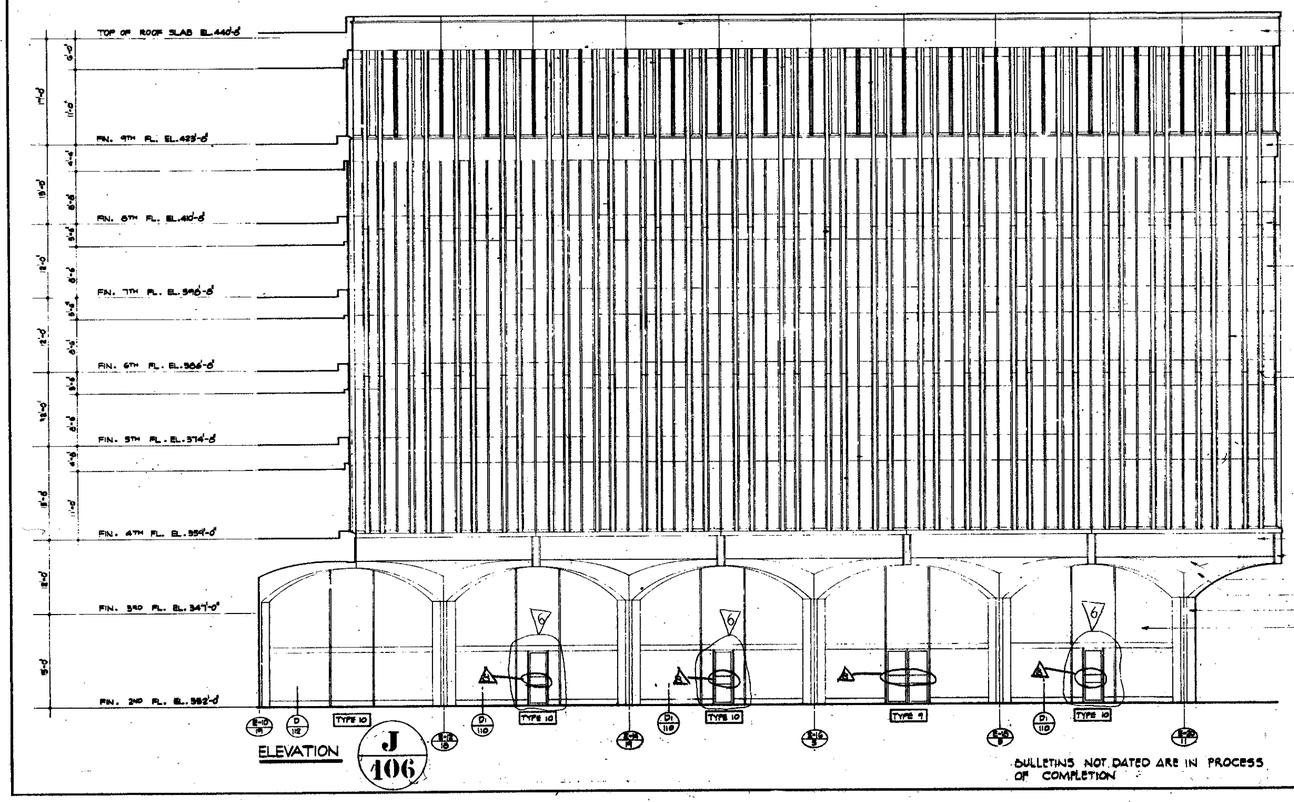
DRAWN	N.S.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-25-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-105		



ELEVATION G 406

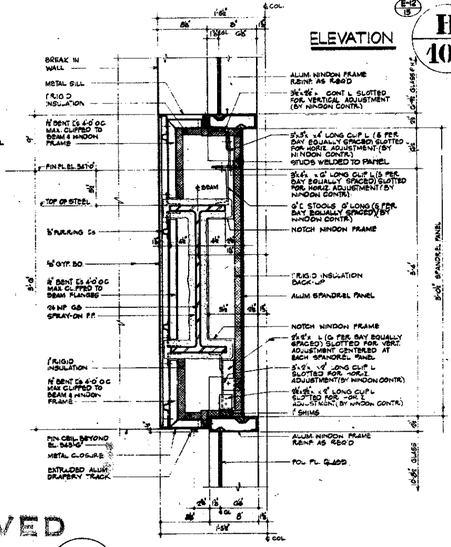


ELEVATION H 406



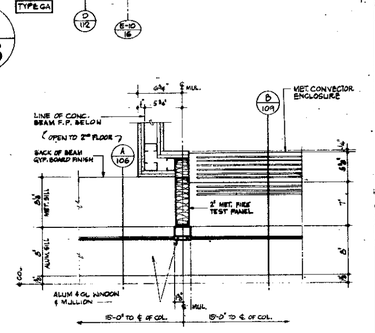
ELEVATION J 406

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION



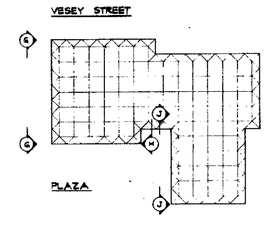
A 406 SPANDREL BEAM DETAIL AT THIRD FLOOR BETWEEN COLUMNS (B-10/B) & (B-9/B) AND (B-9/B) & (B-10/B)

SCALE: 1½"=1'-0"



B 406 MULLION AT 3RD FLOOR BET COLS (B-10/B) & (B-9/B) AND (B-9/B) & (B-10/B)

SCALE: 1½"=1'-0"



KEY PLAN 1"=100'-0"

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

NOTES
1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DNG NO. A-E-2 & A-E-3
2. FOR TYPES & DETAILS OF ARCHED BAGE BAYS SEE DNG NO. A-E-07 THRU A-E-11
3. ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE OR P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

CONTRACT BID DRAWING date 6-25-87

1/8"=1'-0" 0 4' 8' 16' 24'

NO.	DATE	REVISIONS	DWN.	NO.	DATE	REVISIONS	BY
			A.K.	8		E-97	W.F.
1	10-6-75	E-48	L.H.	9			
2		E-97	W.F.	10	5-29-90	E-10	T.L.
3	5-29-90	E-10	T.L.	11	6-6-90	E-9	L.L.
4	6-6-90	E-9	L.L.	12	6-15-90	E-3	A.T.F.
5	6-15-90	E-3	A.T.F.	13	6-18-90	E-5	R.T.H.
6	6-18-90	E-5	R.T.H.	14	11-26-90	E-1	A.C.K.
7	11-26-90	E-1	A.C.K.				

APPROVED
COMMR. PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTH-EAST PLAZA BUILDING
ELEVATION G, H & J

DRAWN	N.S.	CHECKED	
SCALE	1/8"=1'-0" AS NOTED	DATE	7-28-87
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E· 106		

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-15-69

DULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	SUB. NO.	BY
1	9-9-76	E-209	DIE
2	10-6-75	E-42	LJT
3		E-37	LJT
4	6-15-70	E-7	AW
5	6-15-70	E-5	RTA
6	11-28-69	E-1	RTA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

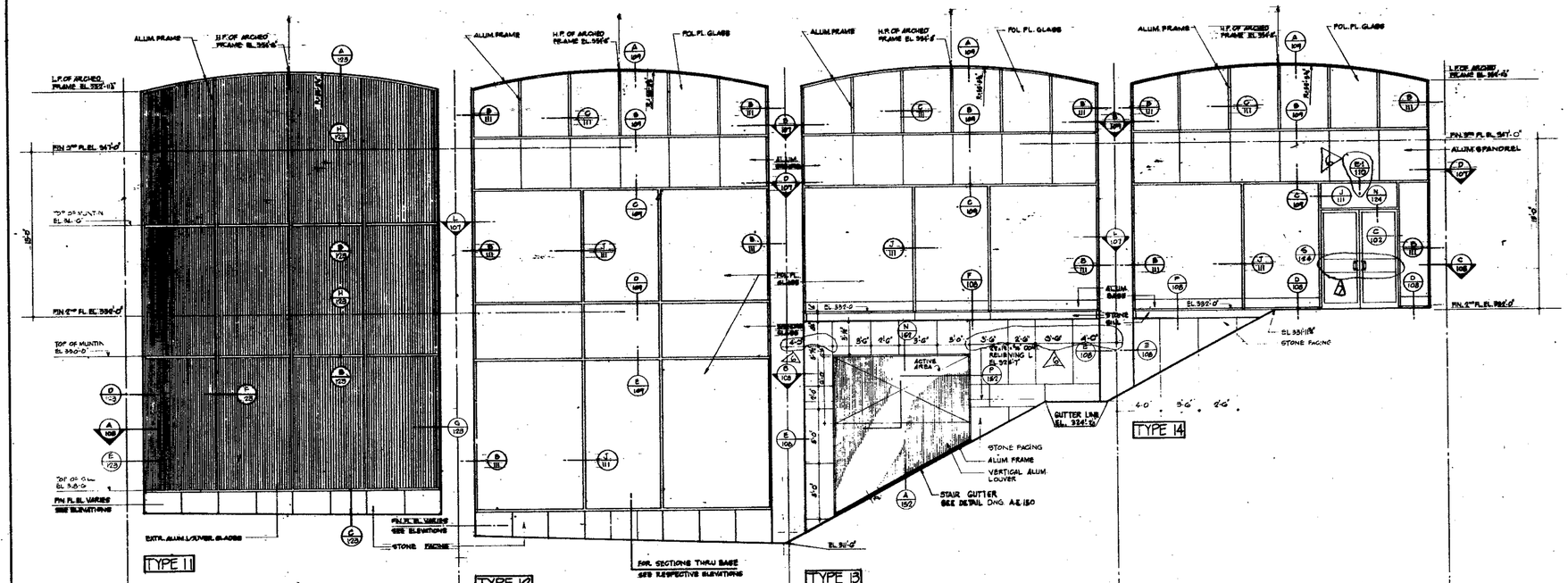
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

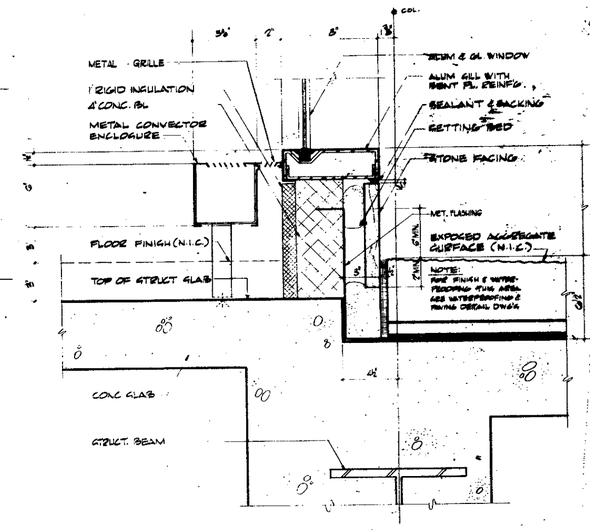
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL AT 1ST FLOOR & 3RD FLOOR
TYPES 1 THRU 10

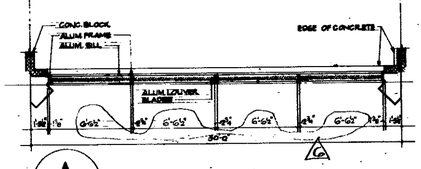
DRAWN	R.T.H.
CHECKED	
SCALE	1/4"=1'-0"
DATE	7/28/69
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-E-107

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

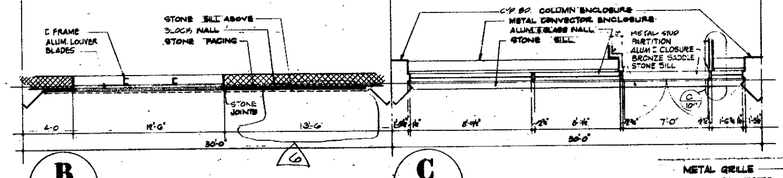




G / 408 WINDOW SILL AT 2ND FLOOR BETWEEN COLS (E-D/77) & (E-D/88)
SCALE: 3"=1'-0"

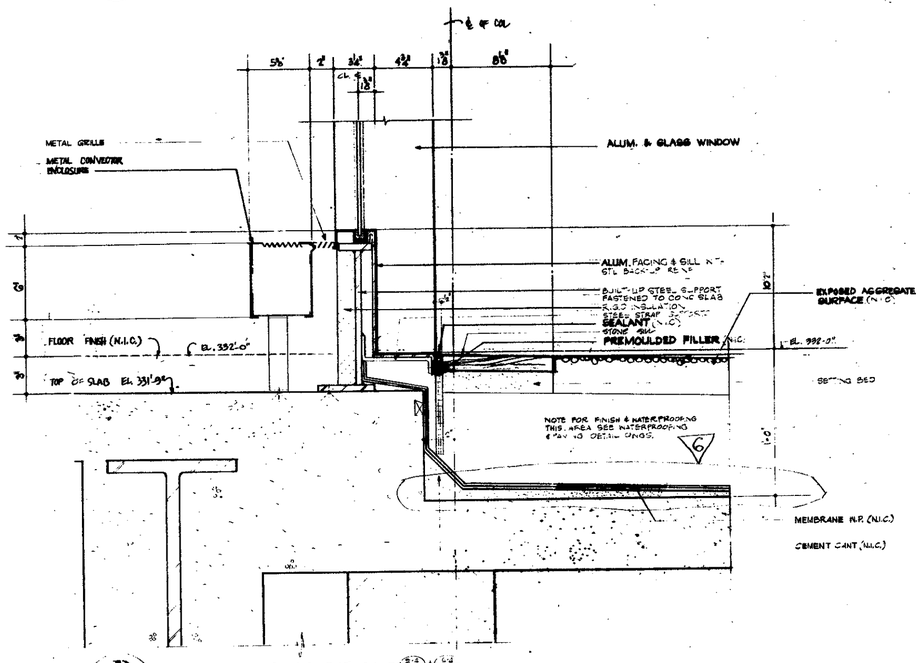


A / 408

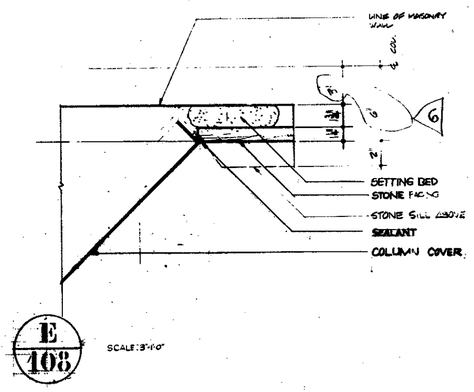


B / 408

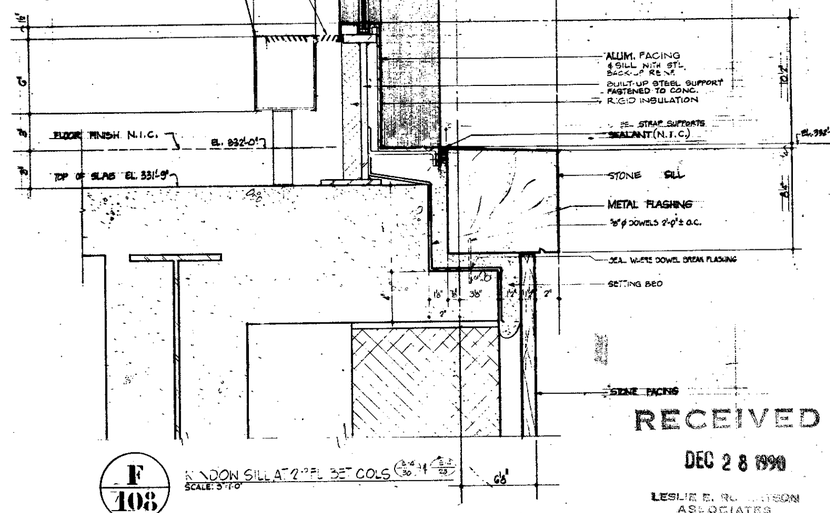
C / 408



D / 408 N. SIDE OF SILL AT 2ND FL BET. COLS (E-D/77) & (E-D/88)
SCALE: 3"=1'-0"



E / 408
SCALE: 3"=1'-0"



F / 408 N. SIDE OF SILL AT 2ND FL BET. COLS (E-D/30) & (E-D/33)
SCALE: 3"=1'-0"

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

1/4" SCALE: 0 1' 2' 3' 4' 8' 12'

NOTES
1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO A-E-2 & A-E-3
2. FOR TYPICAL CONVECTOR ENCLOSURE DETAILS SEE DWG A-E-111

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT. BID DRAWING: date 8-28-69

NO.	DATE	BUL. NO.	BY
14			
13	12-21-70	B-42	
12	6-9-70	B-11	RTA
11	5-27-70	B-10	TJ
10	4-9-70	B-3	RH
9	4-8-70	B-7	RH
8	12-8-69	B-	RT

REVISIONS

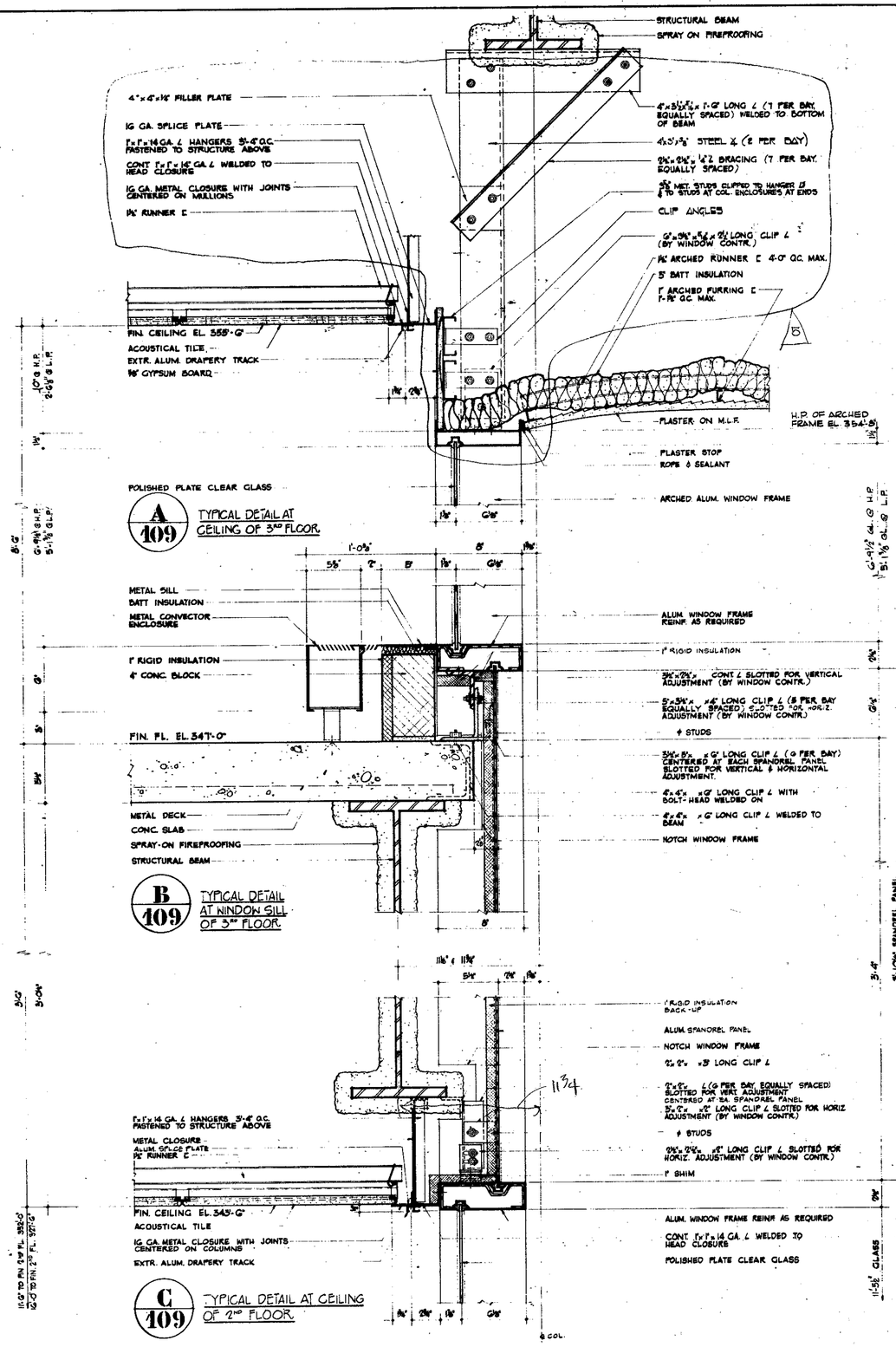
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL AT 1ST, 2ND & 3RD FLOORS TYPES 11 THRU 14 & DETAILS

DRAWN	R.T.H.	CHECKED	
SCALE	1/4"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-108		



NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. A-E-2 & A-E-3

2- FOR TYPICAL CONVECTOR ENCLOSURE DETAILS SEE DWG A-E-111

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-15-69

NO.	DATE	SUBJ. NO.	BY
1	5-6-70	E-109	S.D.
2	10-7-71	E-44	L.J.
3	10-6-72	E-42	L.J.T.
4	5-22-90	E-10	T.J.
5	6-18-90	E-3	K.T.K.
6	8-16-90	E-1	K.T.K.
7	11-28-90	E-1	K.T.K.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

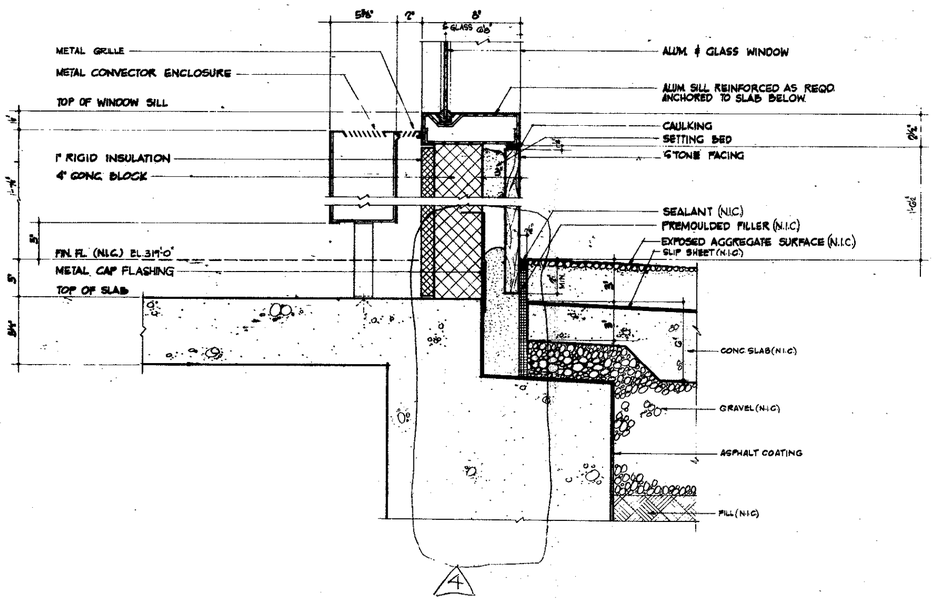
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

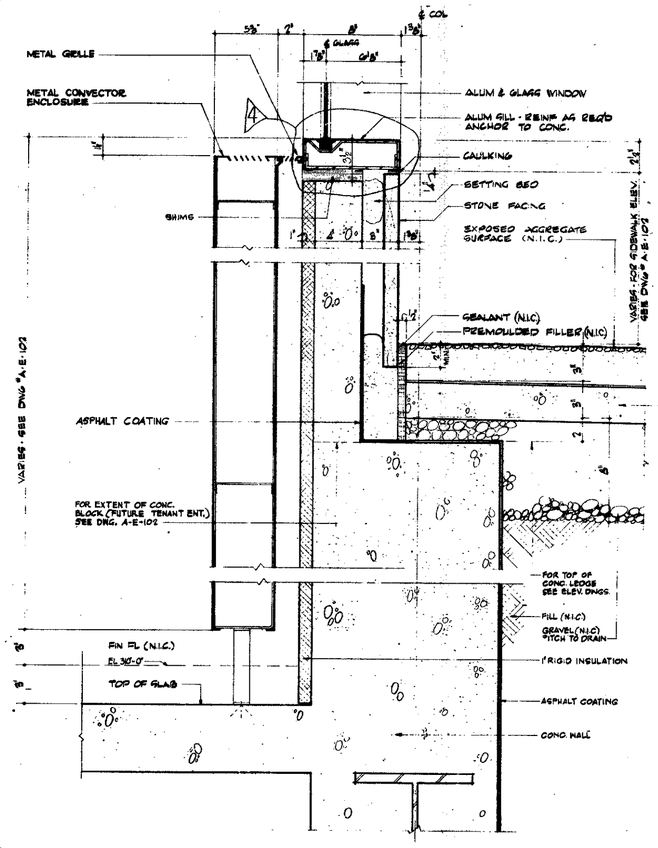
TITLE: NORTHEAST PLAZA BUILDING
CURTAIN WALL DETAILS AT 2ND & 3RD FLOORS

DRAWN	H. BELTON	CHECKED	
SCALE	3"=1'-0"	DATE	7-26-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-109		

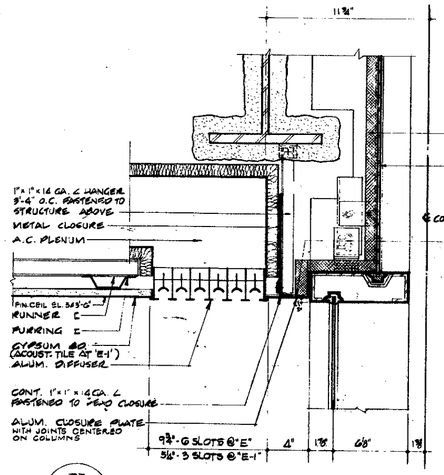
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 8" 1'



A/110 WINDOW SILL BETWEEN COL [5-5/55] & [5-5/56]



B/110 WINDOW SILL AT 1ST FLOOR BETWEEN COLS [5-5/55] + [5-5/56]

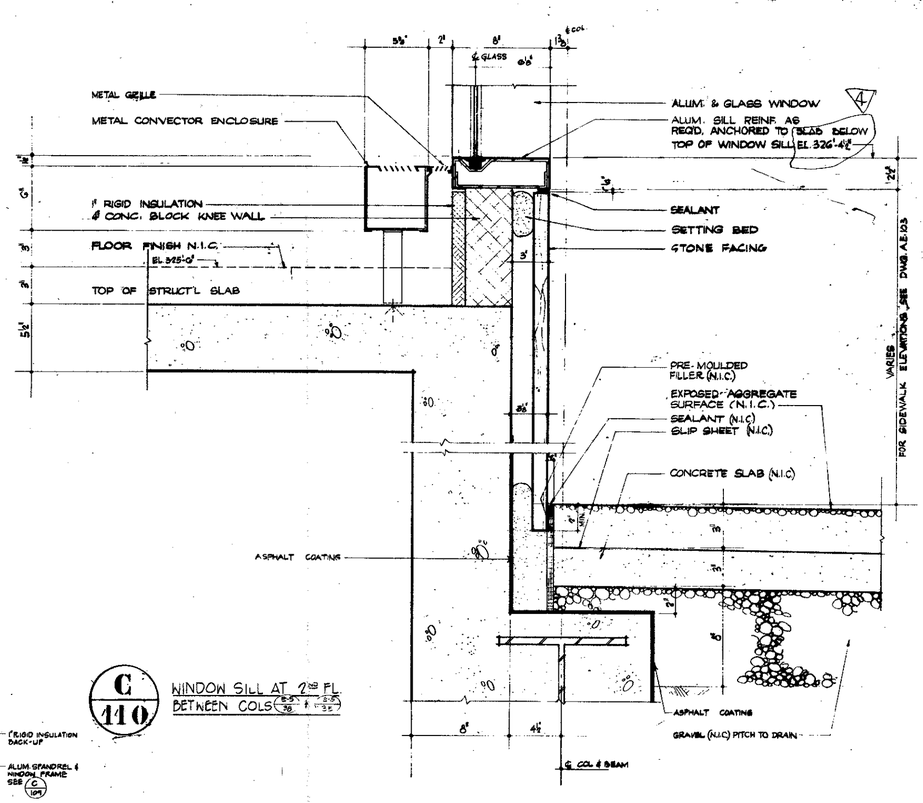


E/110 CEILING DETAIL IN CHURCH ST. LOBBY

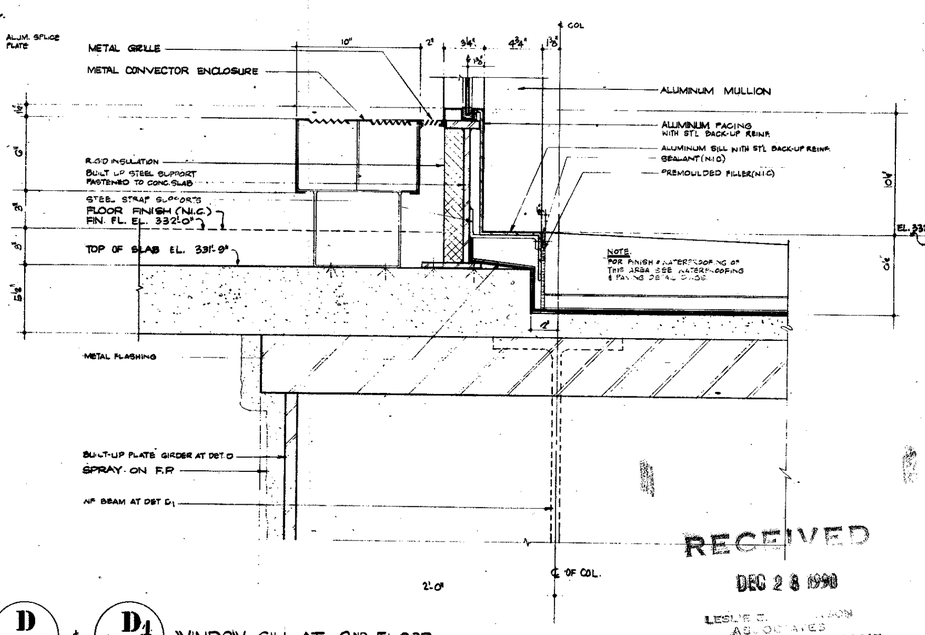
E-1/110 CEILING DETAIL IN WEST CORRIDOR "EL. 332'-0"

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-1.1 & A-E-1.2
2- FOR TYPICAL CONVECTOR ENCLOSURE DETAILS SEE DWG A-E-1111

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION



C/110 WINDOW SILL AT 2ND FL BETWEEN COLS [5-5/56] + [5-5/55]



D/110 & **D1/110** WINDOW SILL AT 2ND FLOOR

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING date 5-29-87

NO.	DATE	BULL. NO.	BY
4	10-8-75	B-47	WH
5	10-7-71	B-44	[illegible]
6	10-4-73	[illegible]	WH
7	6-15-76	53	RTH
8	6-6-79	B-7	RTA
9	1-28-81	B-	RTA

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

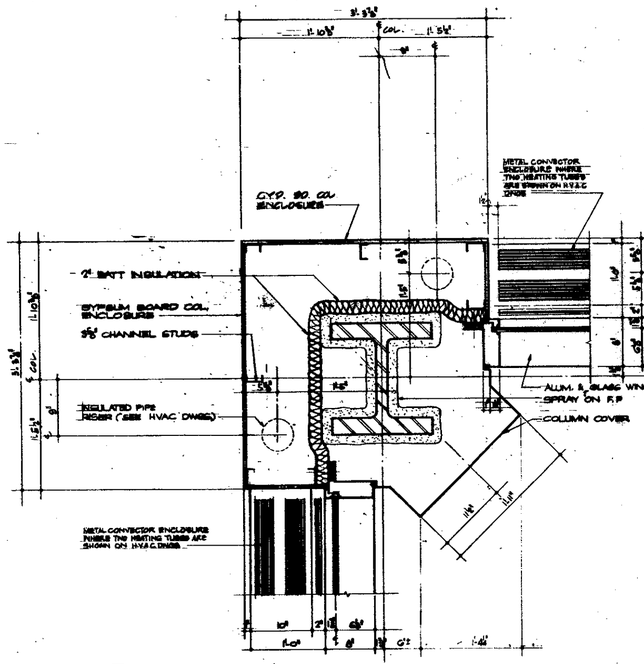
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

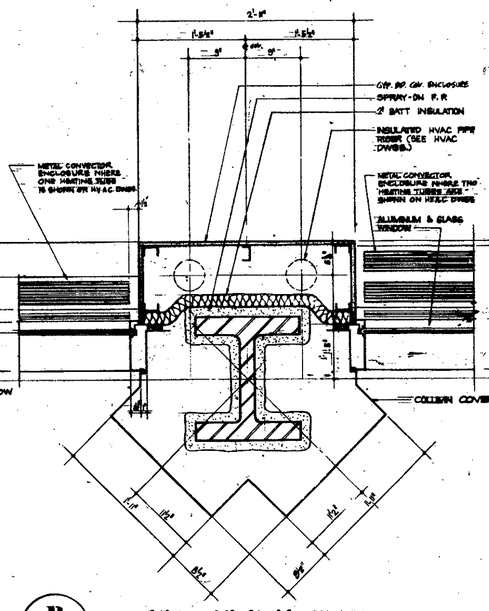
TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL DETAILS AT 1ST & 2ND FLOORS

DRAWN	[illegible]	CHECKED	
SCALE	3"=1'-0"	DATE	7-28-87
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-110		

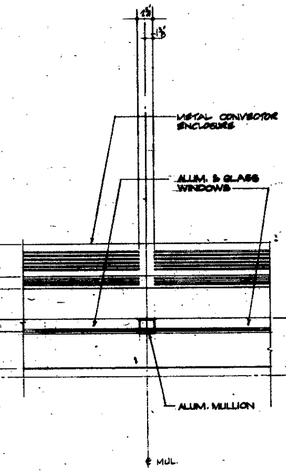
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'



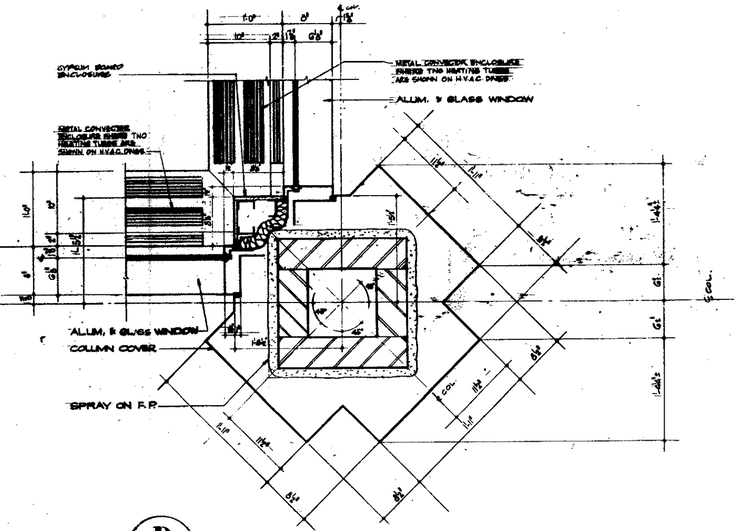
A/111 TYPICAL CORNER COLUMN ENCLOSURE



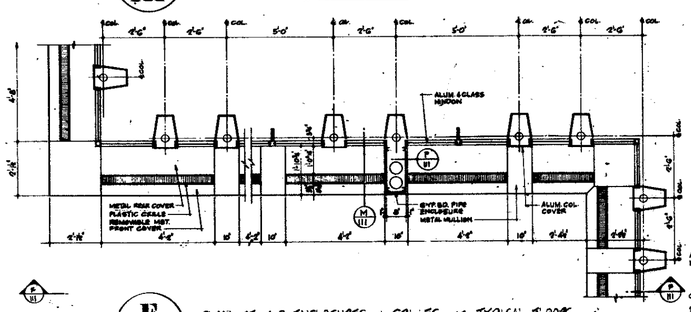
B/111 TYPICAL GYP BOARD COLUMN ENCLOSURE



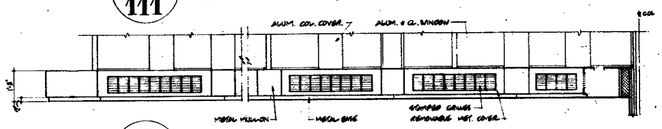
C/111 TYPICAL MULLION AT 3RD. FLOOR



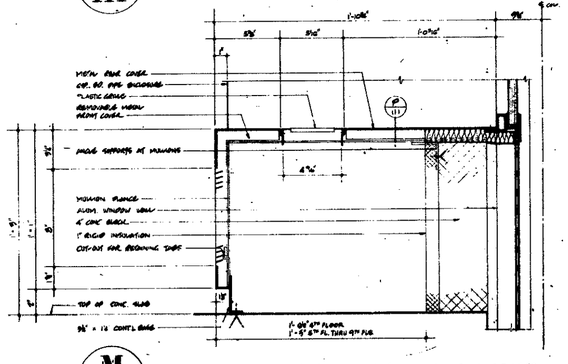
D/111 TYPICAL CORNER COLUMN ENCLOSURE



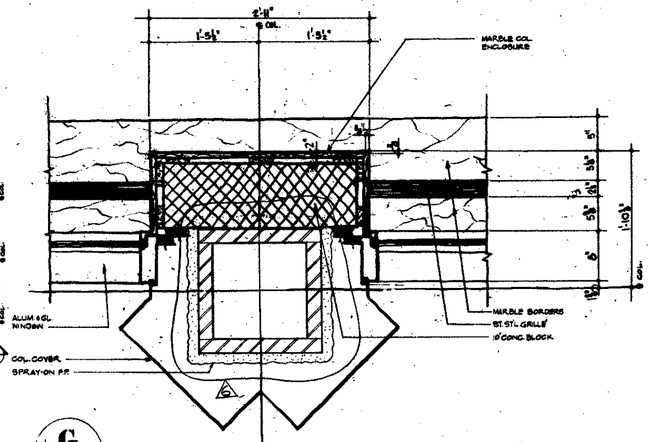
E/111 PLAN OF A.C. ENCLOSURES & GRILLES AT TYPICAL FLOORS
SCALE: ½"=1'-0"



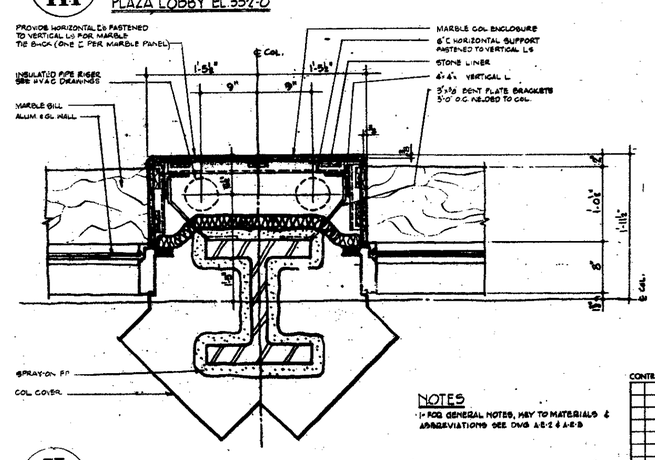
F/111 ELEV. OF A.C. ENCLOSURES & GRILLES AT TYPICAL FLOORS
SCALE: ½"=1'-0"



M/111 TYPICAL SECTION THRU A.C. ENCLOSURES
SCALE: 3"=1'-0"

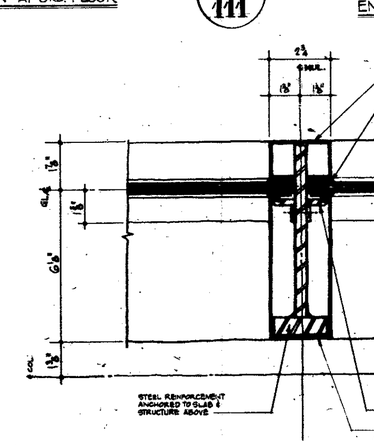


G/111 COLUMN ENCLOSURE AT PLAZA LOBBY EL 332'-0"

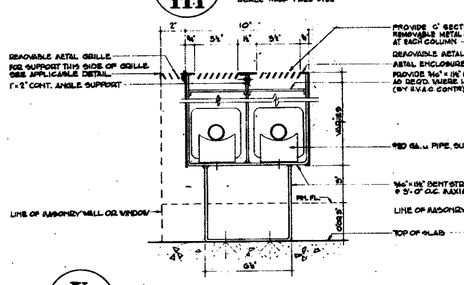


H/111 COLUMN ENCLOSURE AT CHURCH STREET LOBBY EL 327'-6"

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2 & A-E-3

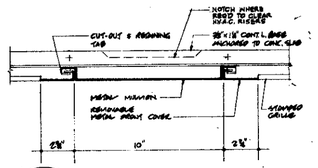


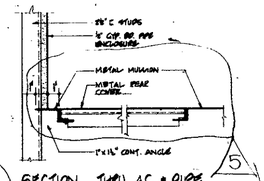
J/111 TYPICAL MULLION DETAIL
SCALE: HALF FULL SIZE



K/111 TYPICAL TWO PIPE CONVECTOR ENCLOSURE DETAIL
SCALE: 3"=1'-0"

L/111 TYPICAL ONE PIPE CONVECTOR ENCLOSURE DETAIL
SCALE: 3"=1'-0"





P/111 SECTION THRU A.C. & DIPE ENCLOSURE COVERS
SCALE: 3"=1'-0"

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-25-87

NO.	DATE	SUB. NO.	BY
4	10-4-89	89-148	[illegible]
3	5-22-89	8-9	RTK
2	4-18-89	8-8	RTK
1	4-18-89	8-7	RTK
0	5-29-89	8-1	RTK

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

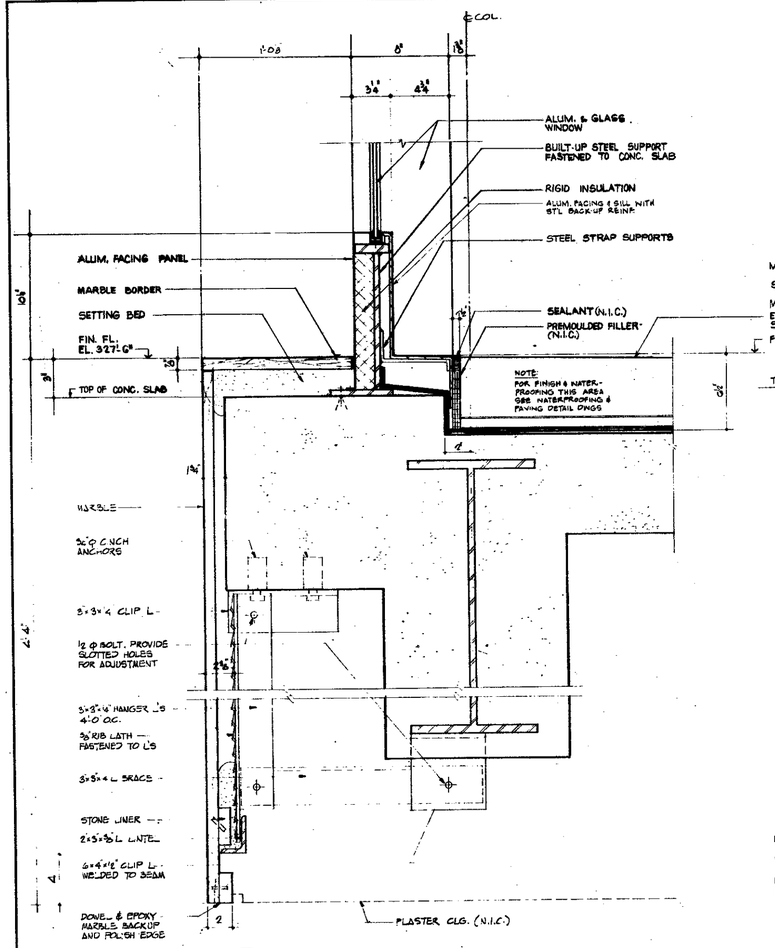
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

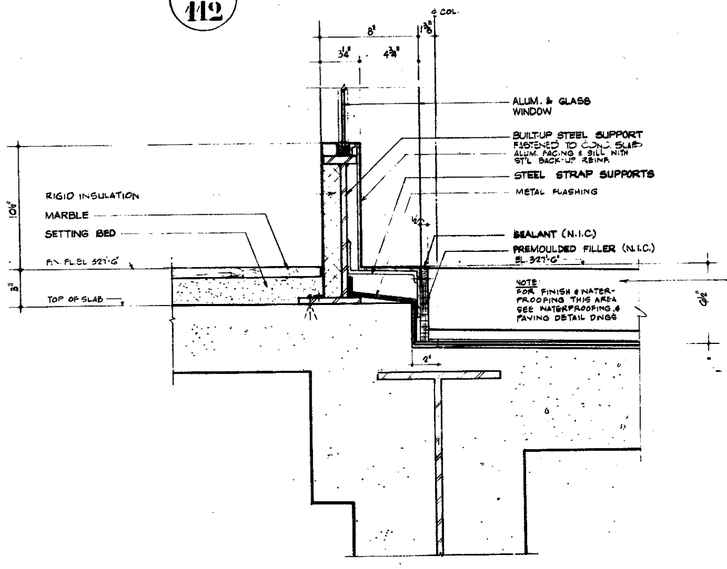
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
MISCELLANEOUS DETAILS

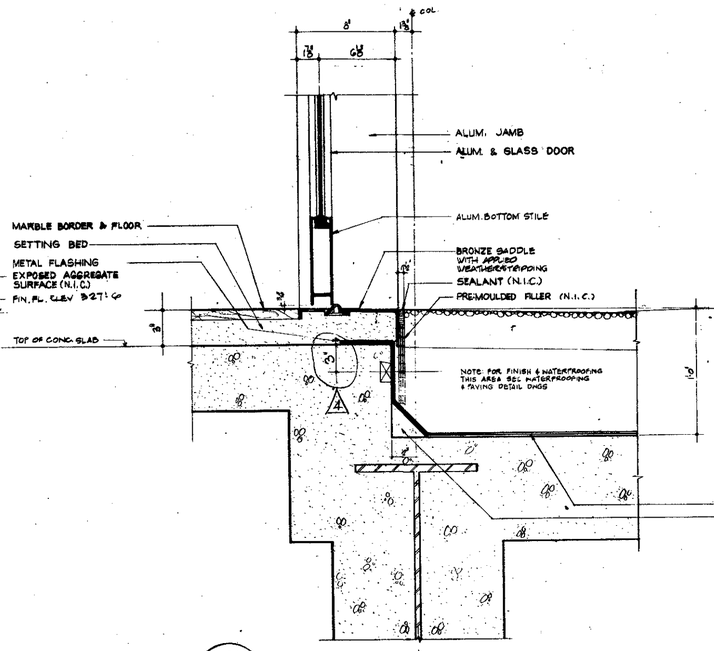
DRAWN	NAR
CHECKED	
SCALE	1½"=1'-0" & AS NOTED
DATE	7-28-89
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-E-111



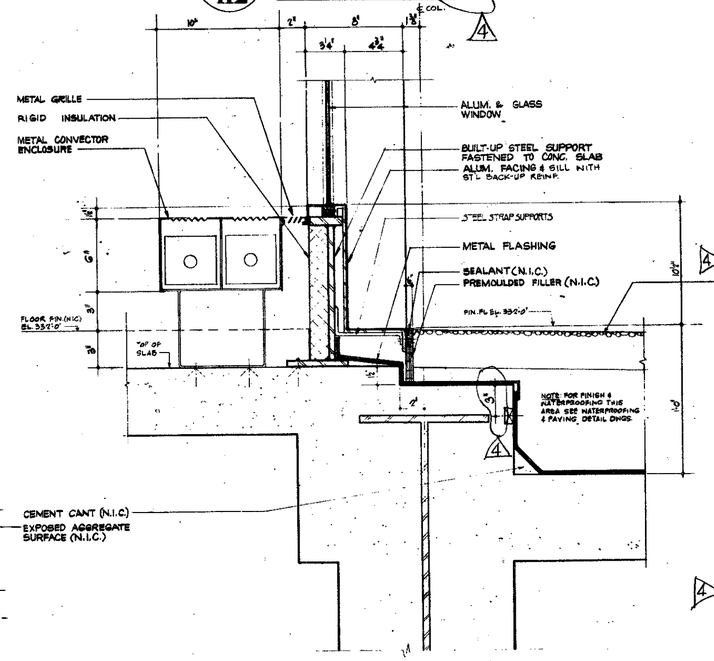
A 112 BASE WINDOW SILL AT 2ND FLOOR BET. COLS B-10/17 & B-11/17



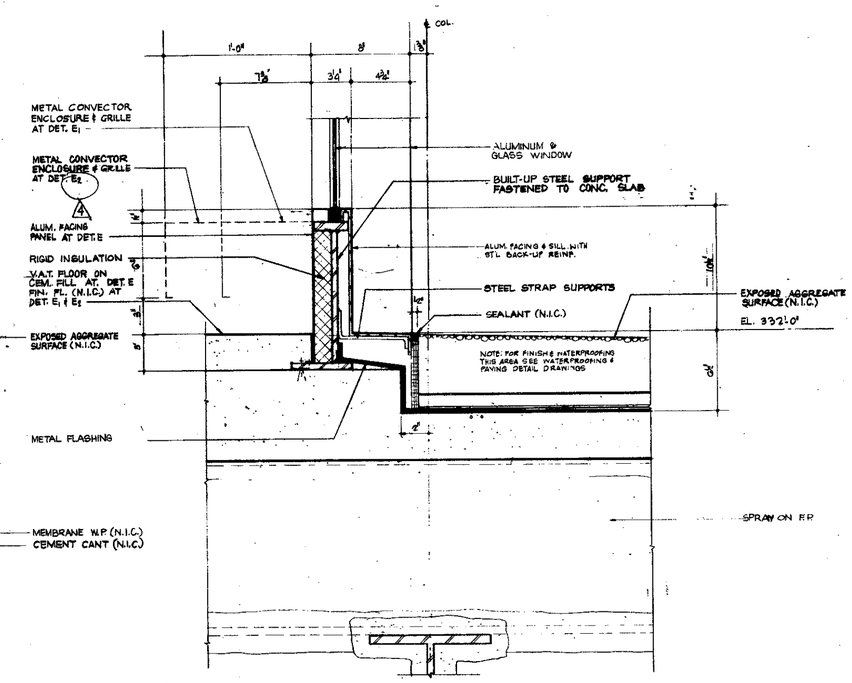
B 112 BASE WINDOW SILL AT 2ND FLOOR BET. COLS B-11/17 & B-12/17



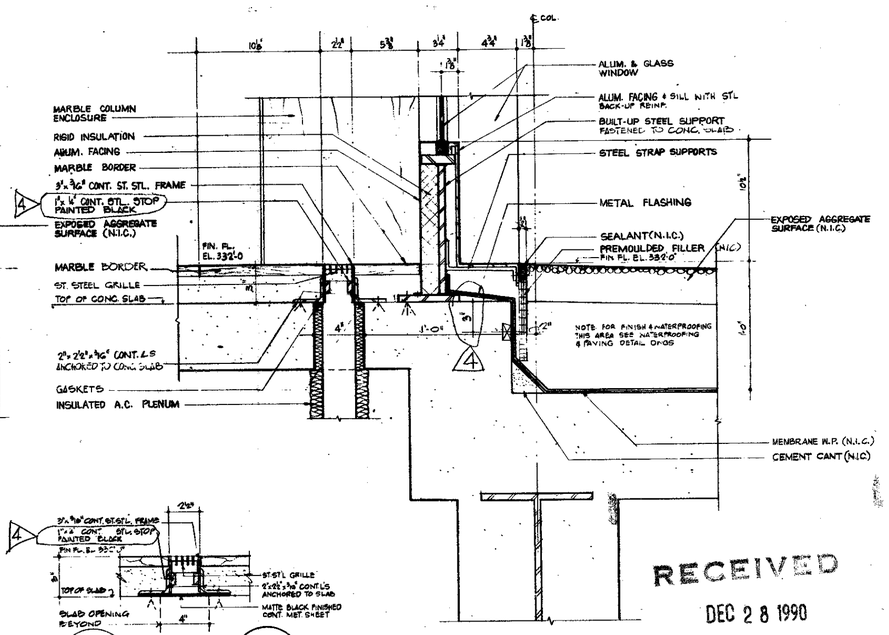
C 112 BASE DOOR SILL AT 2ND FLOOR BETWEEN COLS B-10/17 & C-10/17



D 112 BASE WINDOW SILL AT 2ND FLOOR BETWEEN COLS B-10/17 & C-10/17 AND B-12/17 & B-13/17



E 112 E1 112 E2 112 BASE WINDOW SILL AT 2ND FLOOR BETWEEN COLS B-9/17 & C-9/17



F1 112 BLANKED OFF FLOOR GRILLE DETAIL

F 112 BASE WINDOW SILL @ 2ND FLOOR BETWEEN COLS. B-9/16 & B-9/17

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-1 & A-E-2
2- FOR TYPICAL CONVECTOR ENCLOSURE DETAILS SEE DWG A-E-111

RECEIVED
DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT	BID DRAWING	date 8-25-69

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	12-23-72	E-64	AC
2	10-6-78	E-46	LIT
3	4-6-90	E-2	RDL
4	4-16-90	E-1	RTM
5	11-28-90	E-1	RTM

APPROVED
CHIEF, PLANNING DIVISION
DATE

COVERED AREA

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

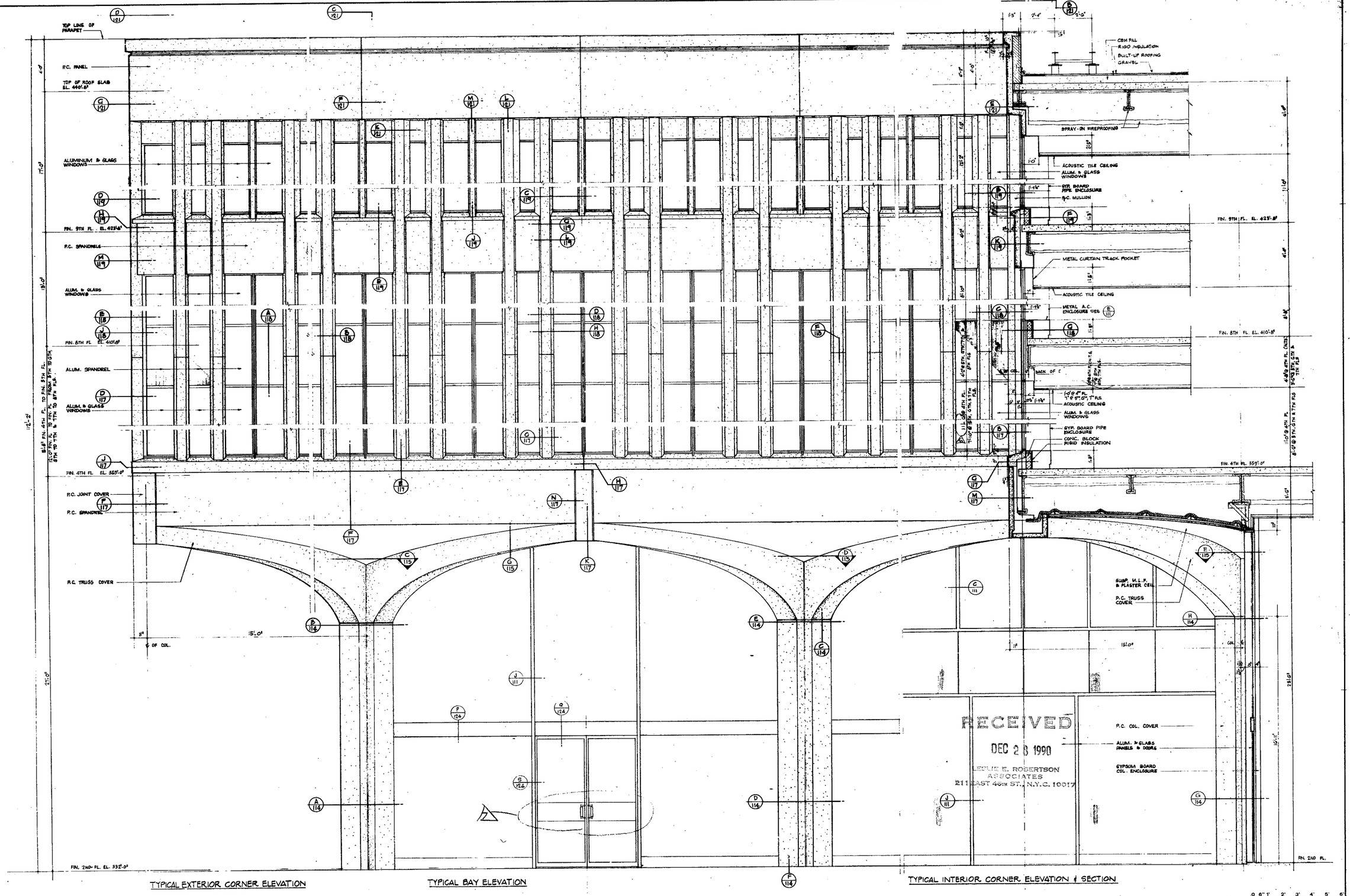
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL DETAILS AT 2ND FLOOR

DRAWN	MP	CHECKED	
SCALE	3"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF

DRAWING NUMBER: A-E-112

3'-11"-0" 0 1' 2' 3' 4' 5" 6" 9"



TYPICAL EXTERIOR CORNER ELEVATION

TYPICAL BAY ELEVATION

TYPICAL INTERIOR CORNER ELEVATION & SECTION

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

½"=1'-0"

NOTE

1. FOR GENERAL NOTES KEY TO MATERIALS ABBREVIATIONS SEE DWG NO A-E-2.6 A-E-2.7
2. FOR TYPES & DETAILS OF ARCHED BASE BAYS SEE DWGS NO A-E-107 THRU A-E-117
3. ALL CURTAIN WALL COMPONENTS SHOWN ON DRAWING AS "PRECAST CONCRETE OR P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN AND APPEARANCE ONLY.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	SUB. NO.	BY
			A.K.
6	12-6-78	12.46	L.E.T.
5	5-22-70	9-10	R.T.+
4	4-15-70	E-3	J.M.
3	4-15-70	E-7	A.W.
2	4-15-70	E-5	A.W.
1	11-26-69	E-1	R.T.+

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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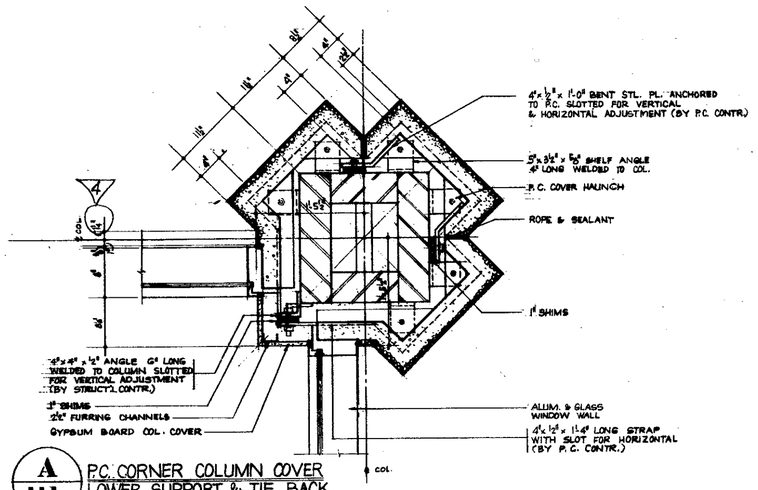
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

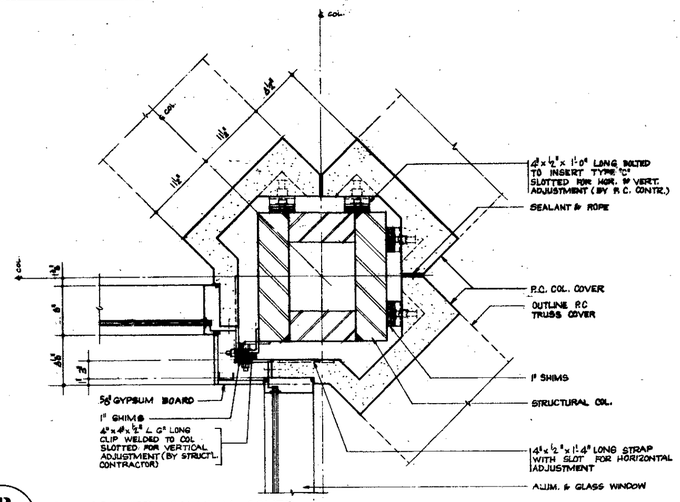
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
TYPICAL BAY ELEVATION & SECTION

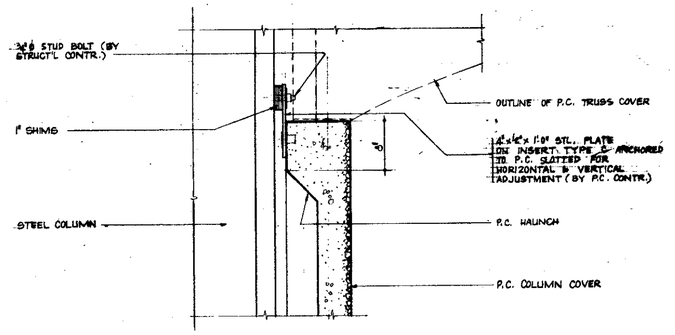
DRAWN	M.P.	CHECKED	
SCALE	1/2"=1'-0"	DATE	7/28/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-113		



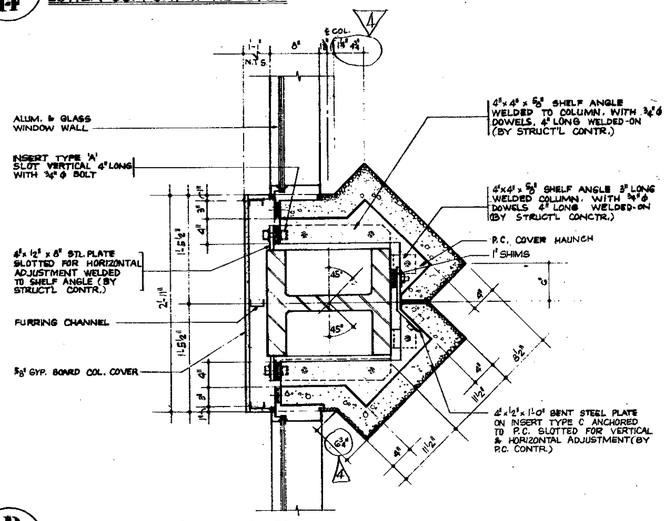
A/114 P.C. CORNER COLUMN COVER LOWER SUPPORT & TIE BACK



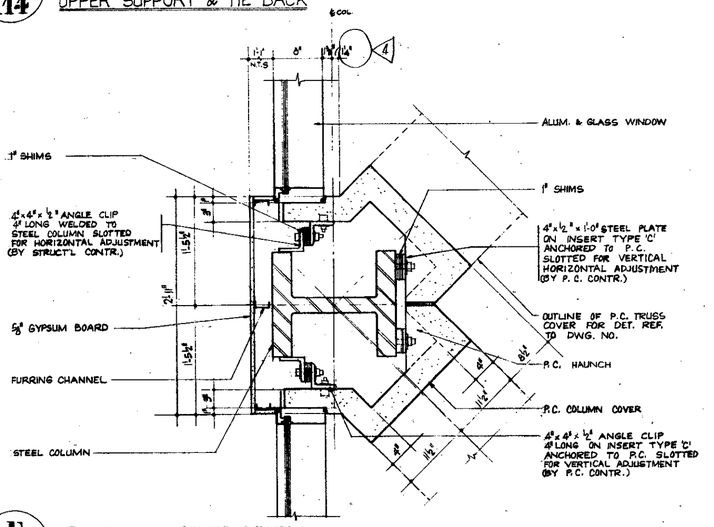
B/114 P.C CORNER COLUMN COVER UPPER SUPPORT & TIE BACK



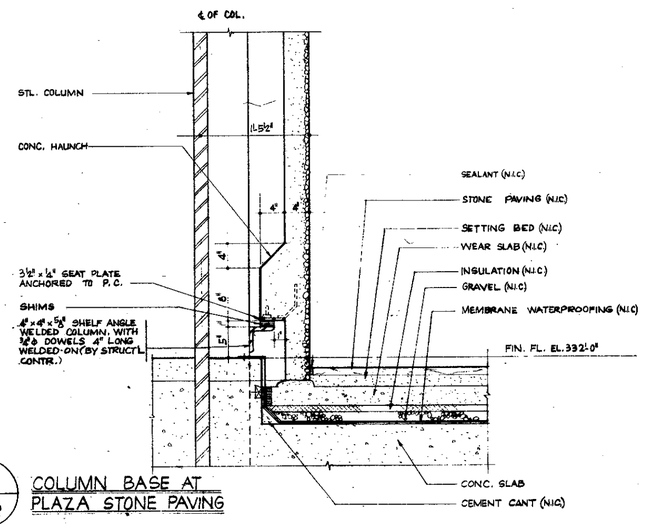
C/114 TOP OF PRE-CAST COLUMN COVER



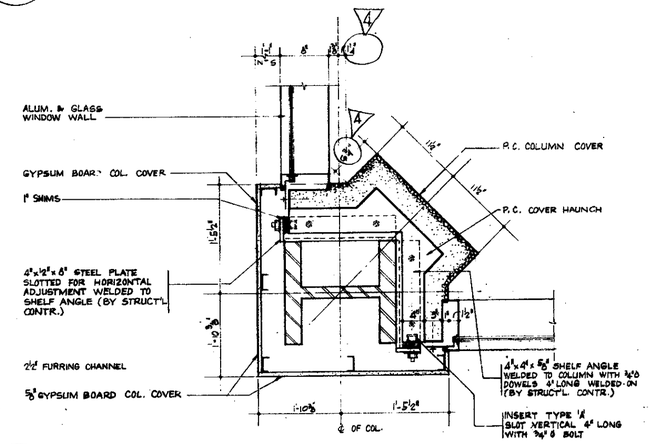
D/114 P.C. COLUMN COVER LOWER SUPPORT & TIE BACK



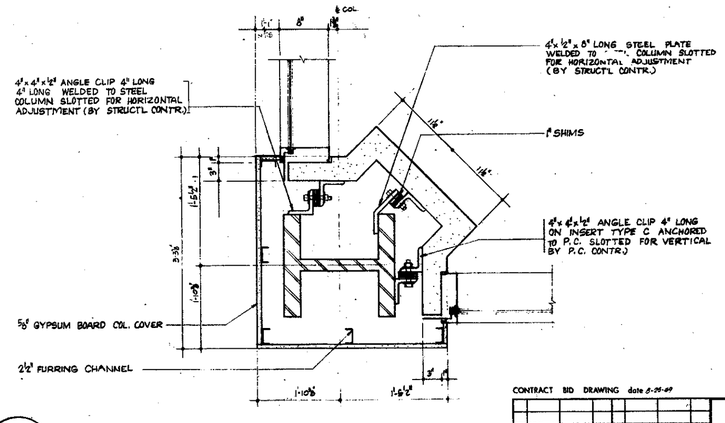
E/114 P.C. COLUMN COVER LOWER SUPPORT & TIE BACK



F/114 COLUMN BASE AT PLAZA STONE PAVING



G/114 P.C. CORNER COLUMN COVER LOWER SUPPORT & TIE BACK



H/114 P.C. CORNER COLUMN COVER UPPER SUPPORT & TIE BACK

NOTE
1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS SEE DWG NO A-E-2 & A-E-3
2. SPRAY-ON FP ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR "ILLUSTRATION" PURPOSES
3. ALL CURTAIN WALL COMPONENTS SHOWN ON DRAWING AS "PRECAST CONCRETE OR T.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

1 1/2"=1'-0" 0 3" 6" 1' 2'

CONTRACT BID DRAWING date 5-25-69

NO.	DATE	SUB. NO.	BY
1	10-6-78	E-4E	WH
2	6-15-79	E-5	L.L
3	6-15-79	E-5	A.W
4	11-20-81	E-1	A.T

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

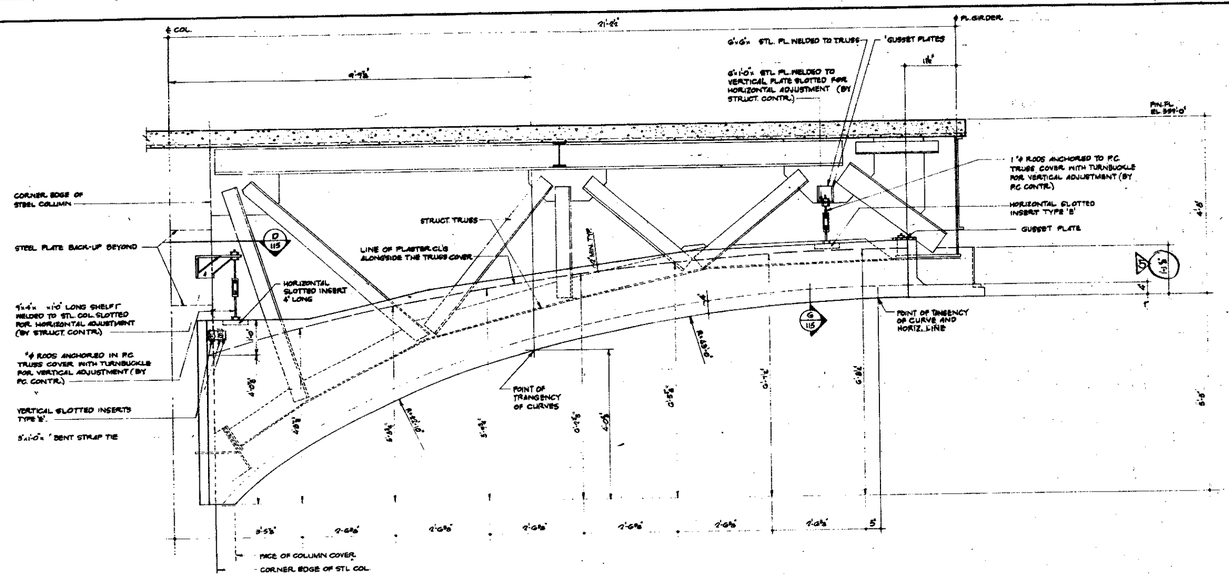
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

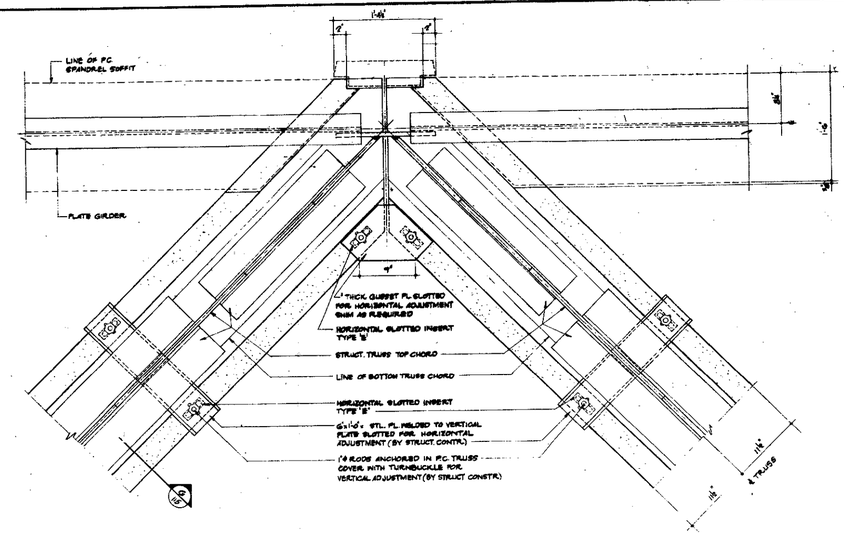
TITLE: NORTHEAST PLAZA BUILDING BASE COLUMN COVER DETAILS

DRAWN	N.P.	CHECKED	
SCALE	1 1/2"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-114		

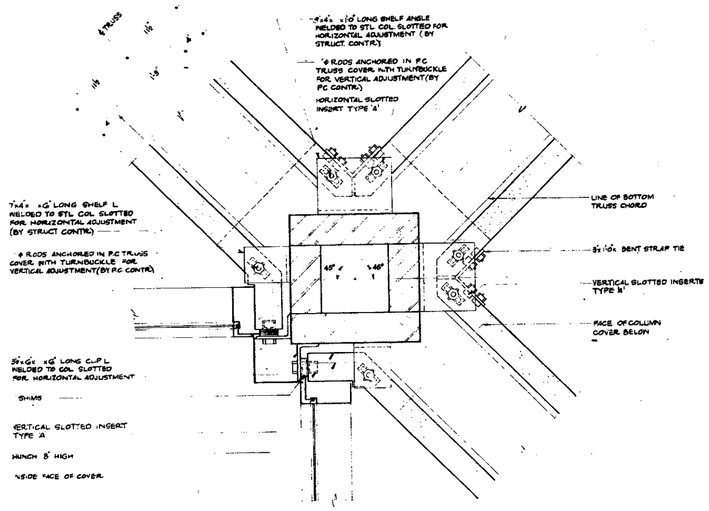


A/115 TRUE SIZE ELEVATION OF PRECAST CONCRETE TRUSS COVER

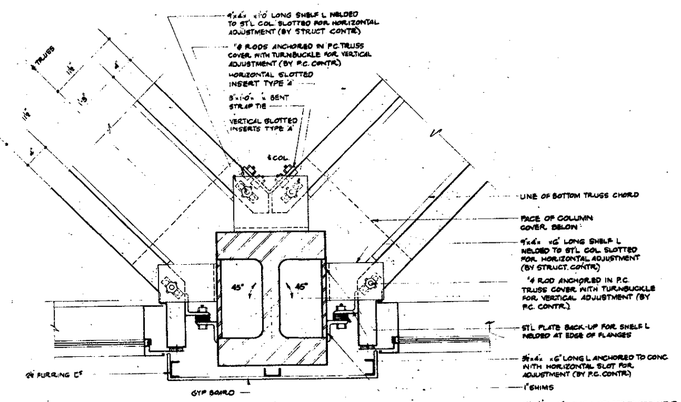
SCALE: 1/2"=1'-0"



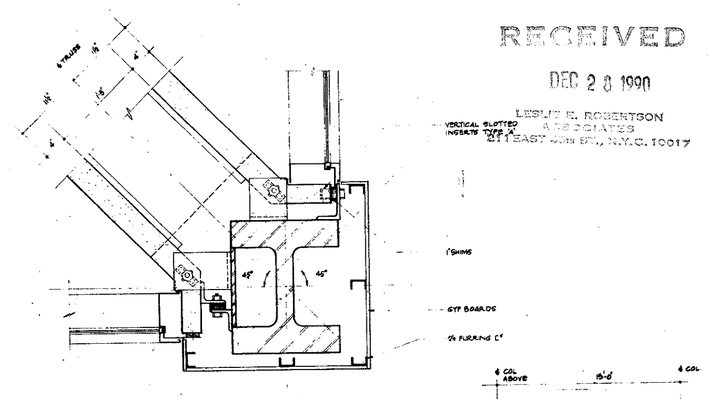
B/115 TRUSS COVER SUSPENSION AT CANTILEVER

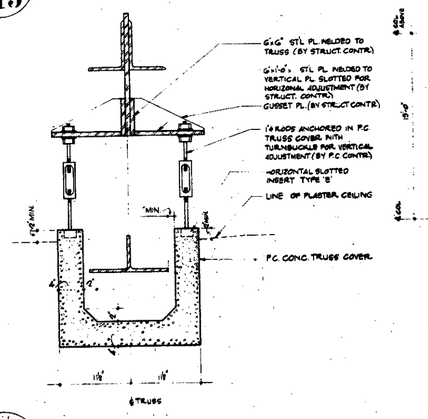


C/115 TRUSS COVER SUSPENSION & TIE BACK @ CORNER COLUMN

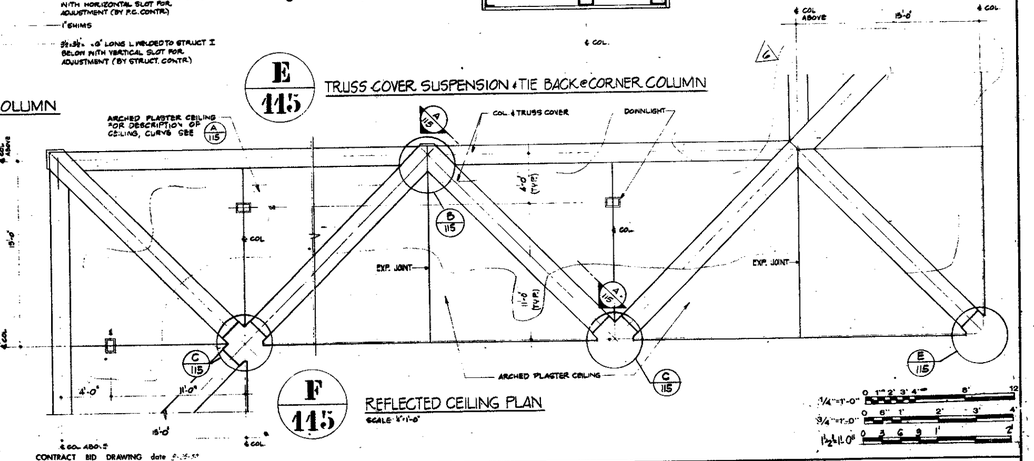


D/115 TRUSS COVER SUSPENSION & TIE BACK @ COLUMN





G/115 SECTION THRU TRUSS COVER



E/115 TRUSS COVER SUSPENSION & TIE BACK @ CORNER COLUMN

F/115 REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"

NOTE

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO A-E-2 & A-E-3
2. SPRAY-ON FP ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR ILLUSTRATION PURPOSES
3. ALL CURTAIN WALL COMPONENTS SHOWN ON DRAWING AS "PRECAST CONCRETE OR P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

CONTRACT BID DRAWING date 5-15-70

NO.	DATE	DESCR. NO.	BY
A	10-6-75	88-415	WITT
1	5-28-70	8-10	R.T.H.
2	6-15-70	8-13	A.W.
3	6-25-70	8-17	A.W.
4	11-20-91	8-1	R.T.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

RECEIVED

DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES

257 EAST 49TH ST., N.Y.C. 10017

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

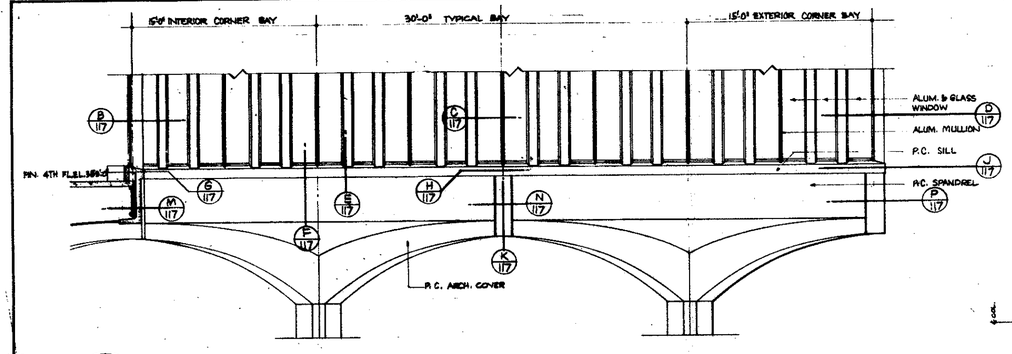
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

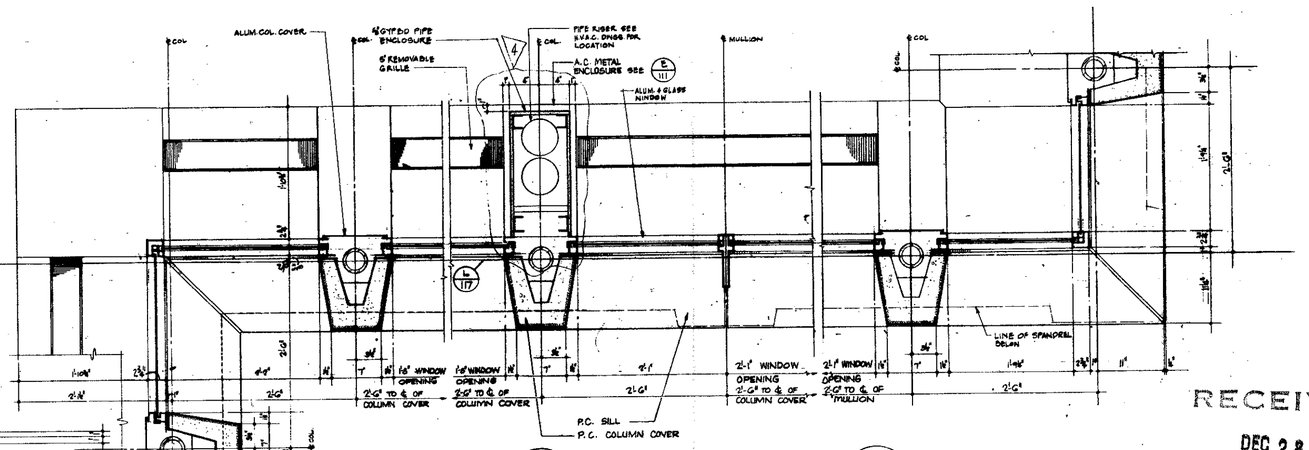
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
TRUSS COVER DETAILS

DRAWN	R.T.H.	CHECKED	
SCALE	1/2"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E· 115		

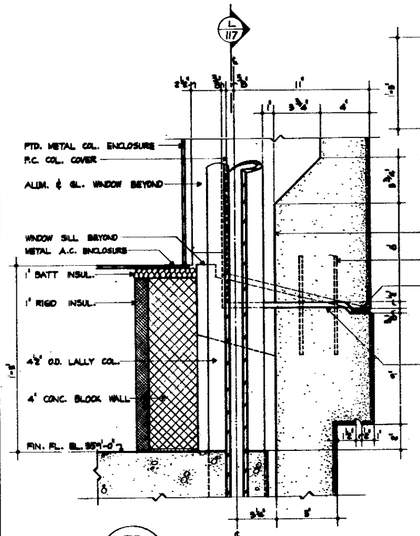


A/117 PARTIAL ELEVATION OF FACADE AT 4TH FLOOR
SCALE 1/8"=1'-0"

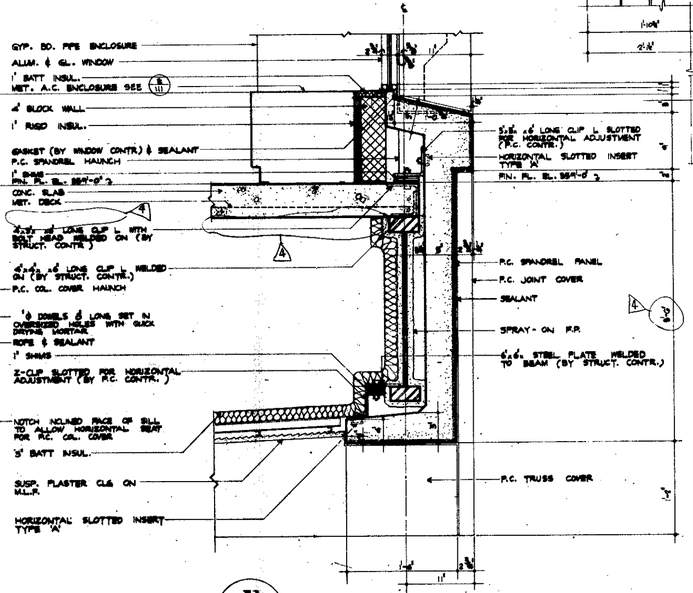


C/117 TYPICAL BAY DETAIL

D/117 EXTERIOR CORNER DETAIL



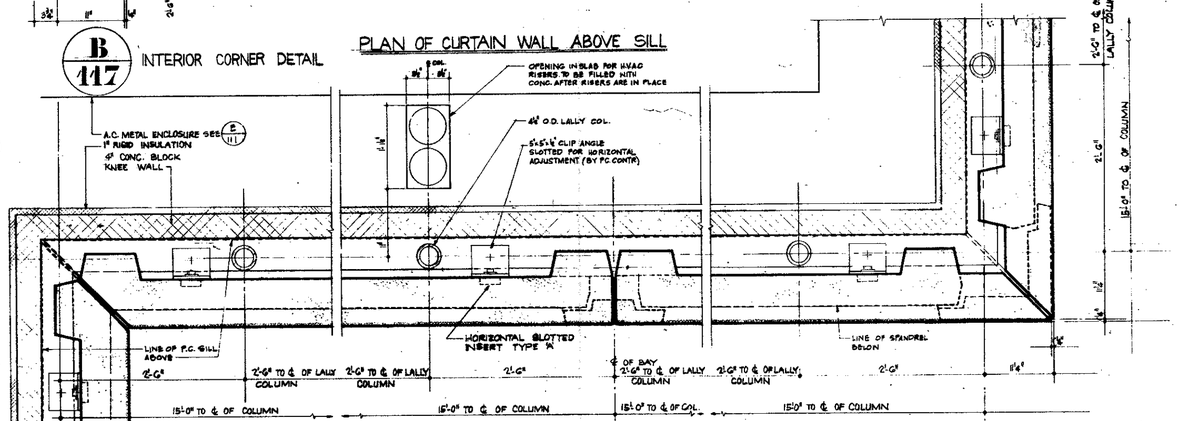
E/117 P.C. COL. COVER SUPPORT AT 4TH FLOOR
SCALE 3"=1'-0"



F/117 SECTION THRU P.C. SPANDREL AT 4TH FLOOR

B/117 INTERIOR CORNER DETAIL

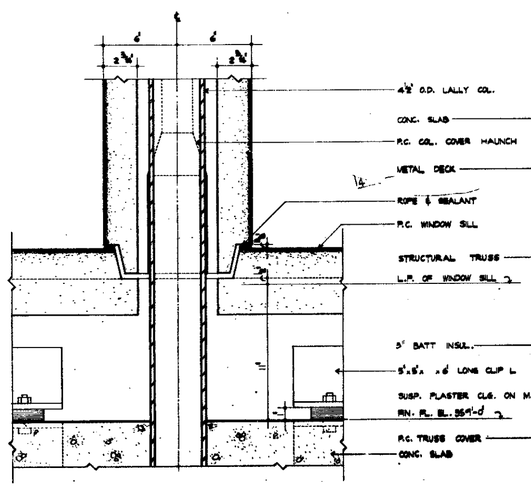
PLAN OF CURTAIN WALL ABOVE SILL



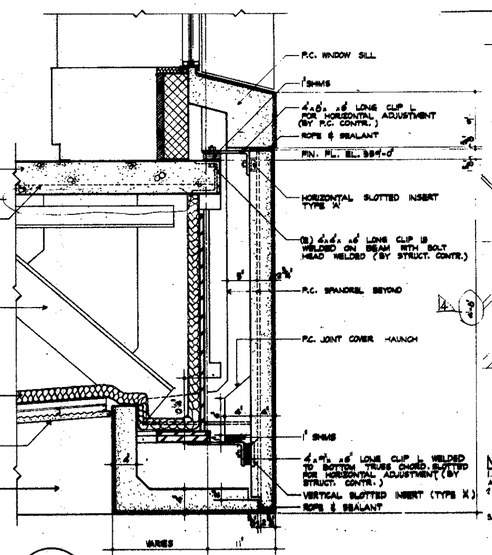
G/117 INTERIOR CORNER DETAIL

H/117 TYPICAL BAY DETAIL

J/117 EXTERIOR CORNER DETAIL

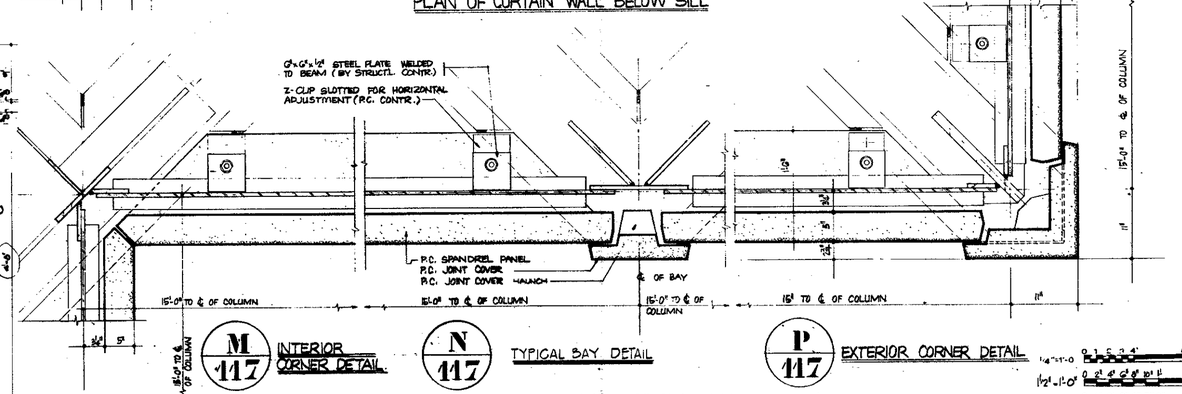


L/117 SECTION THRU P.C. COL. COVER & SPANDREL AT 4TH FLOOR
SCALE 3"=1'-0"



K/117 SECTION THRU P.C. JOINT COVER AT 4TH FLOOR

PLAN OF CURTAIN WALL BELOW SILL



M/117 INTERIOR CORNER DETAIL

N/117 TYPICAL BAY DETAIL

P/117 EXTERIOR CORNER DETAIL

PLAN OF CURTAIN WALL BELOW FLOOR

NOTE
1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO A-8-2 & A-8-3.
2. SPRAY-ON FP ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR ILLUSTRATION PURPOSES.
3. ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE" OR "PC" SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

CONTRACT BID DRAWING dated

NO.	DATE	REVISIONS	BUIL. NO.	BY
			E-48	WM
2	2-22-70		E-10	RTH
3	4-15-70		E-3	RTH
4	4-18-70		E-7	RTH
5	11-25-91		E-1	RTH

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

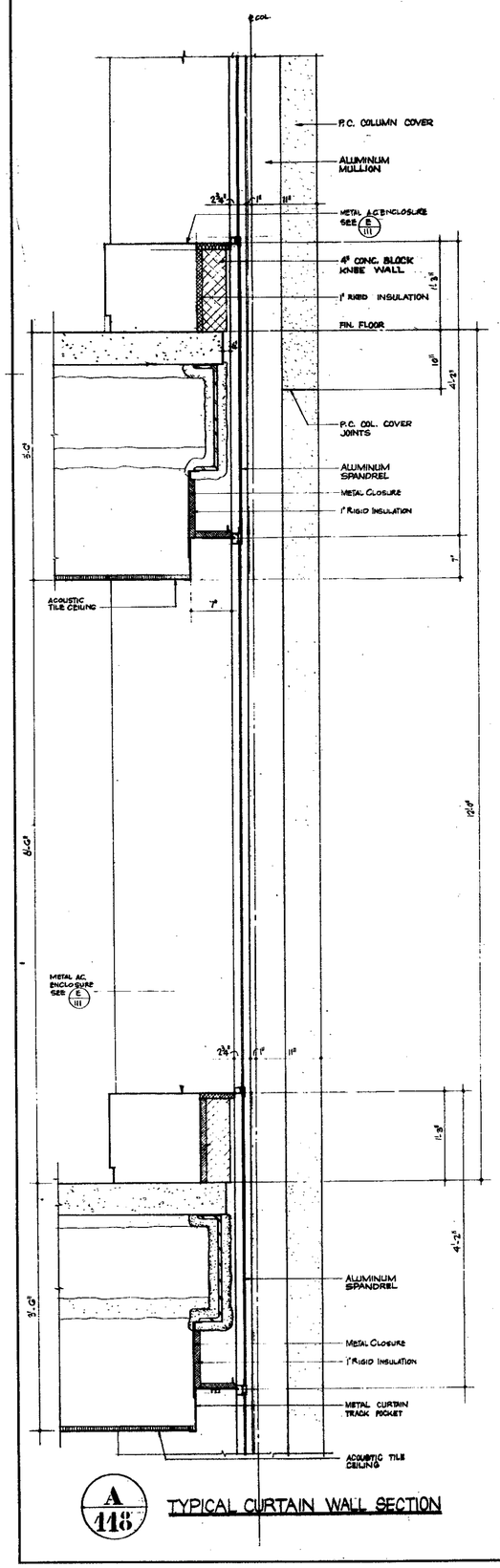
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

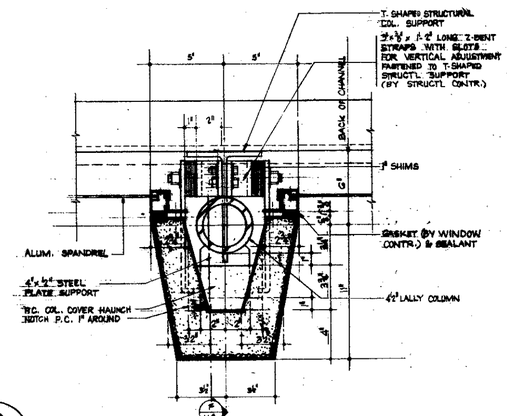
TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL & PRE-CAST CONCRETE DETAILS AT 4TH FL.

DRAWN	N.S. & M.R.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-20-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-117		

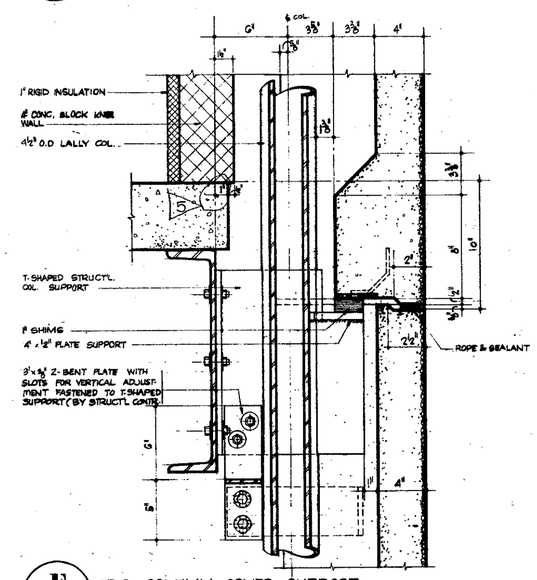
1½"=1'-0" 0 1 2 3 4' 8 12
1½"=1'-0" 0 6" 1' 2' 3' 4' 6' 10' 1½" 2
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'



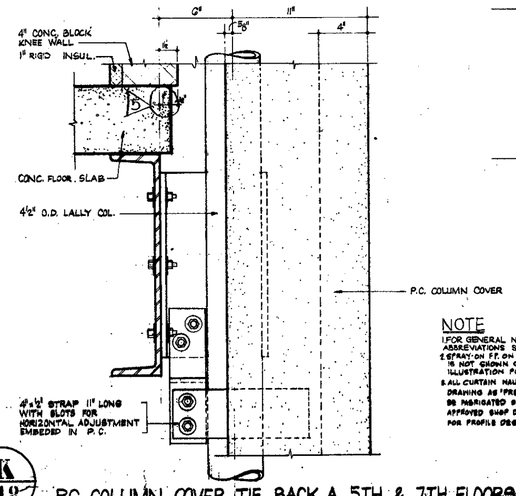
A/118 TYPICAL CURTAIN WALL SECTION



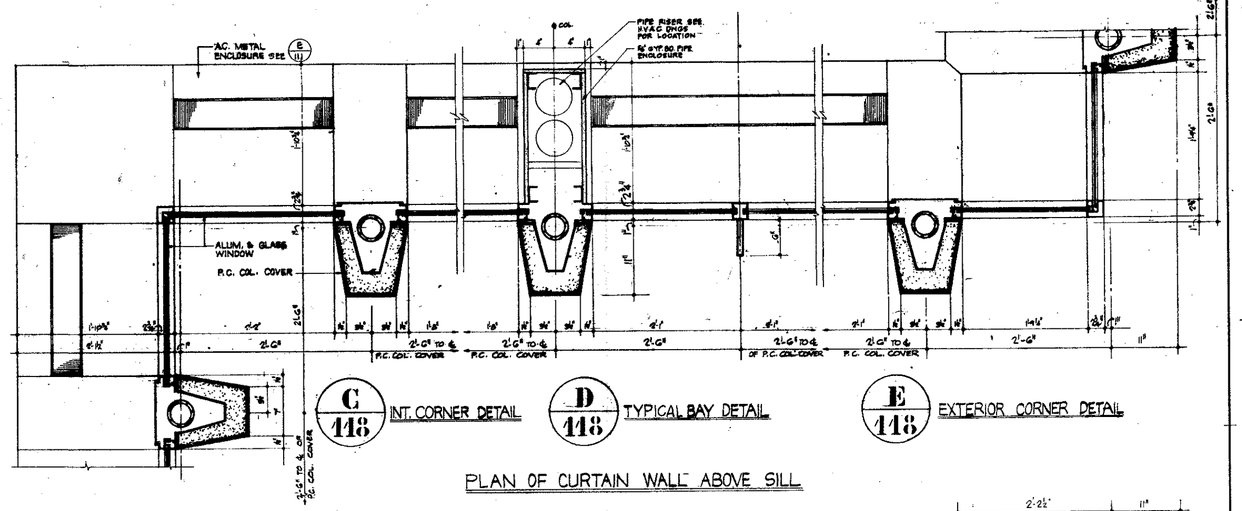
B/118 P.C. COLUMN COVER PLAN AT TYPICAL FLOOR
SCALE 3"=1'-0"



F/118 P.C. COLUMN COVER SUPPORT & TIE-BACK AT 6TH & 8TH FLOORS
SCALE 3"=1'-0"

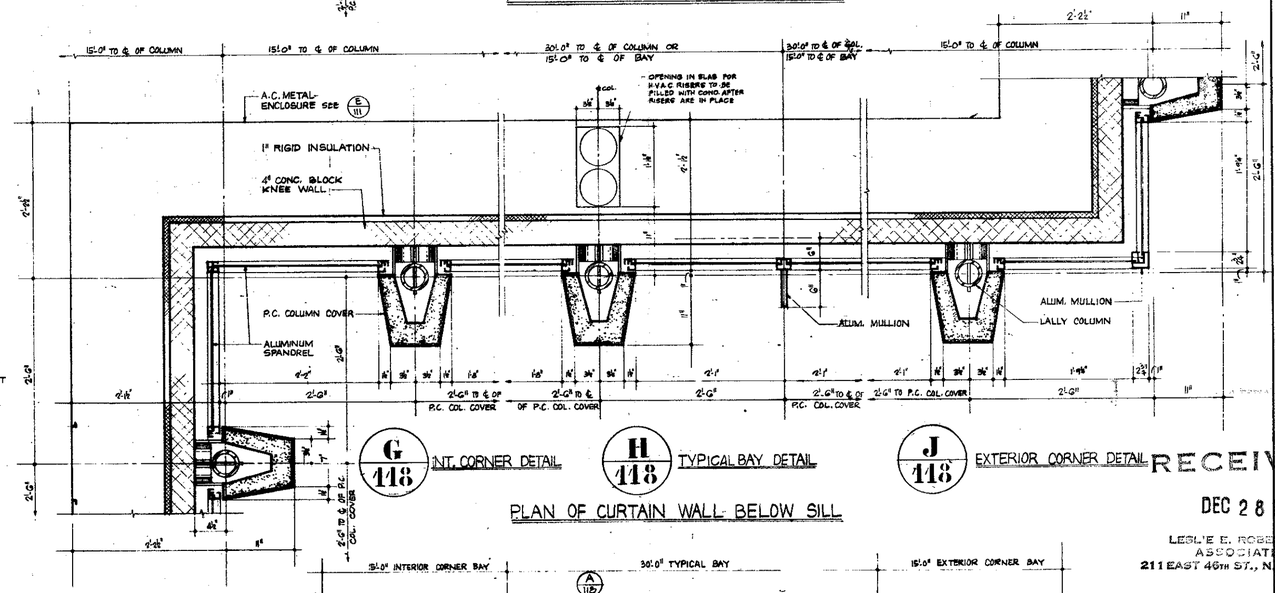


K/118 P.C. COLUMN COVER TIE BACK A 5TH & 7TH FLOORS
SCALE 3"=1'-0"



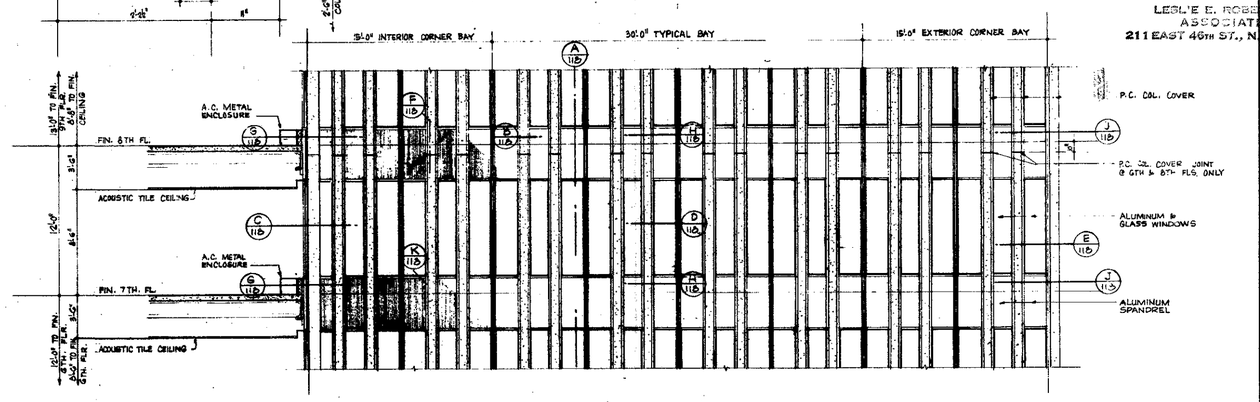
C/118 INT. CORNER DETAIL
D/118 TYPICAL BAY DETAIL
E/118 EXTERIOR CORNER DETAIL

PLAN OF CURTAIN WALL ABOVE SILL



G/118 INT. CORNER DETAIL
H/118 TYPICAL BAY DETAIL
J/118 EXTERIOR CORNER DETAIL

PLAN OF CURTAIN WALL BELOW SILL



L/118 PARTIAL ELEVATION OF FACADE
SCALE ¼"=1'-0"

¼"=1'-0" 0 1' 2' 3' 4' 8' 12'
3/8"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

NOTE
1. FOR GENERAL NOTES KEY, TO MATERIALS & ABBREVIATIONS SEE DWGS NOS A-E-2 & A-E-3
2. SPRAY-ON FIREPROOFING ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR ILLUSTRATION PURPOSES.
3. ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE" OR "PC" SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

CONTRACT BID DRAWING date 5-25-67

NO.	DATE	SUB. NO.	BY
4	10-6-78	E1-42	WM
3	5-22-70	B-10	RTH
2	6-15-70	D-3	RTH
1	4-15-70	D-1	RTH
0	11-18-69	B-1	RTH

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

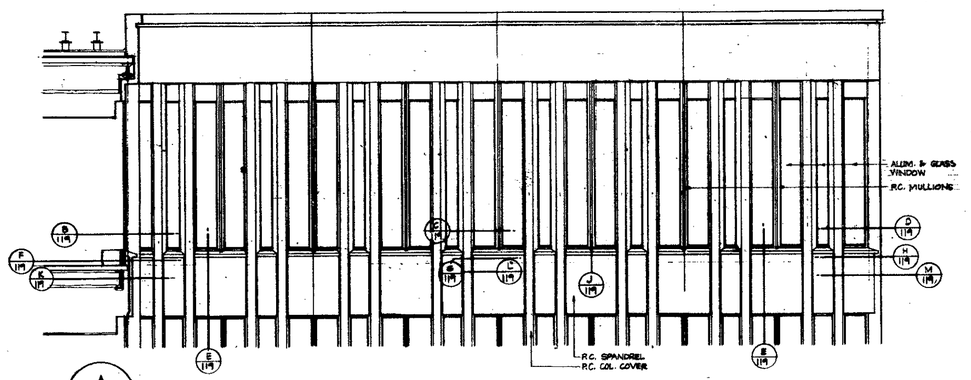
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
MECHANICAL ENGINEERS
JAROS, BAUM & BOLLES
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

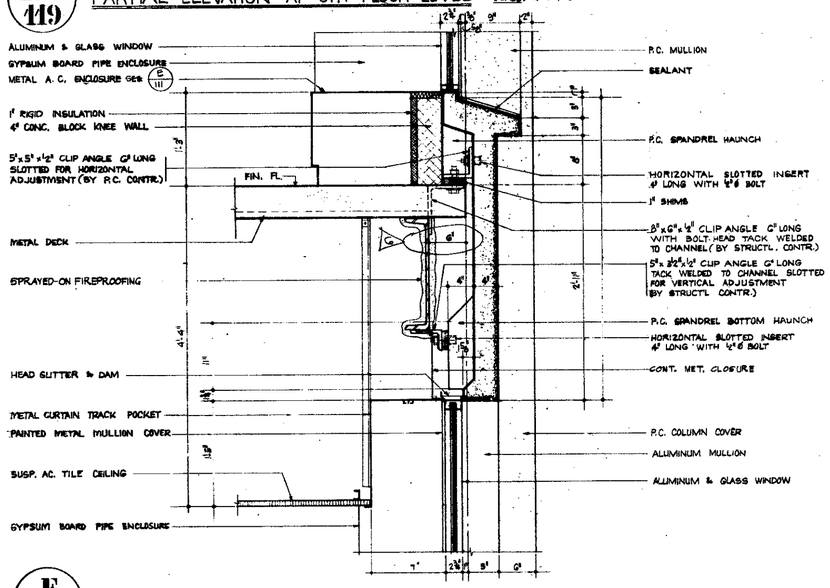
TITLE: CURTAIN WALL CONCRETE DETAILS AT 5TH, 7TH & 8TH FLOORS

DRAWN	CHECKED
SCALE 1½"=1'-0" & 3/8"=1'-0"	DATE 7-25-67
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-E-118

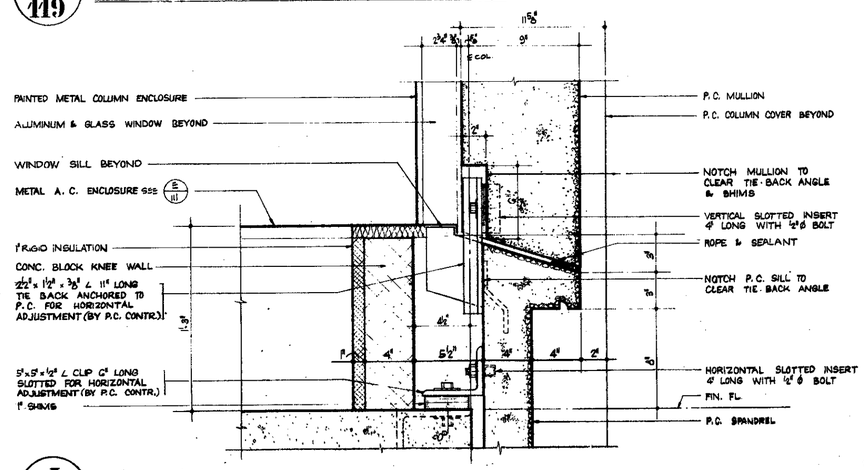
RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017



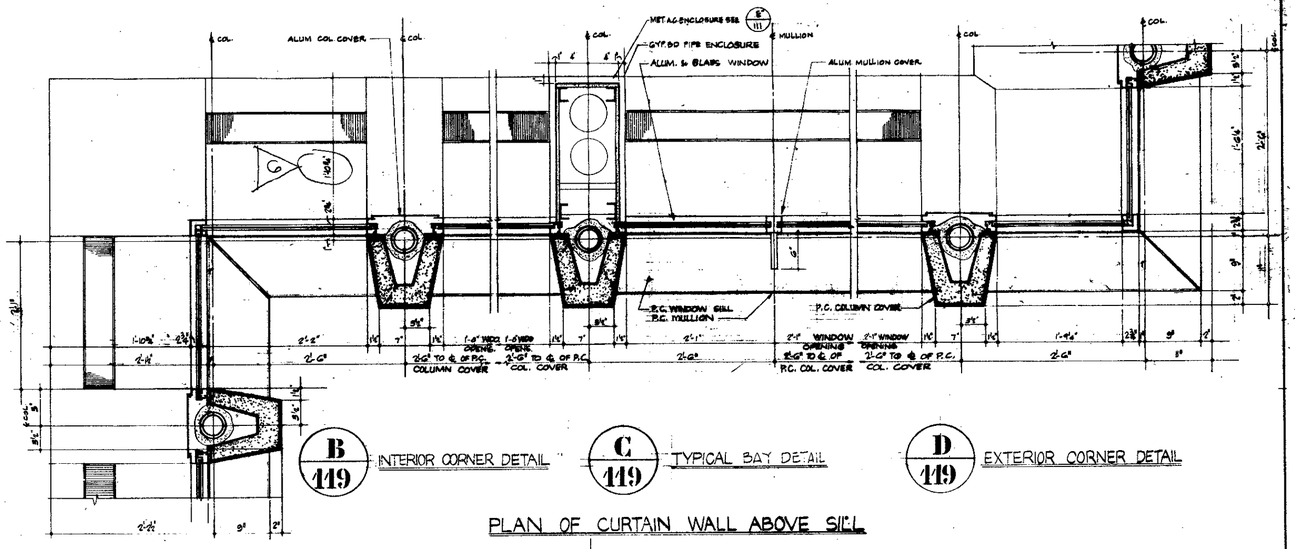
A 119 PARTIAL ELEVATION AT 9TH FLOOR SCALE: 1/8" = 1'-0"



E 119 SECTION THRU P.C. SPANDREL AT 9TH FLOOR



J 119 P.C. MULLION SUPPORT AT 9TH FLOOR SCALE: 3" = 1'-0"

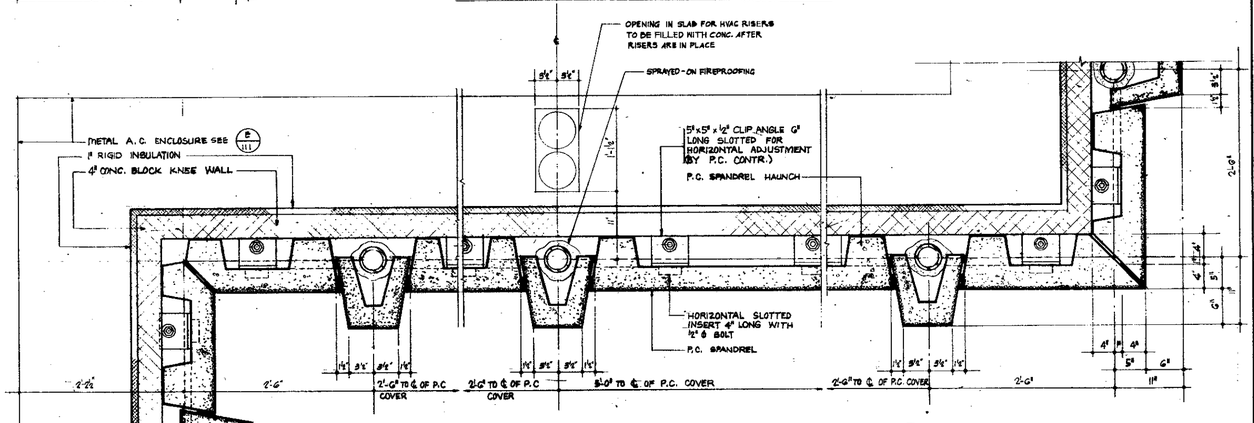


B 119 INTERIOR CORNER DETAIL

C 119 TYPICAL BAY DETAIL

D 119 EXTERIOR CORNER DETAIL

PLAN OF CURTAIN WALL ABOVE SILL

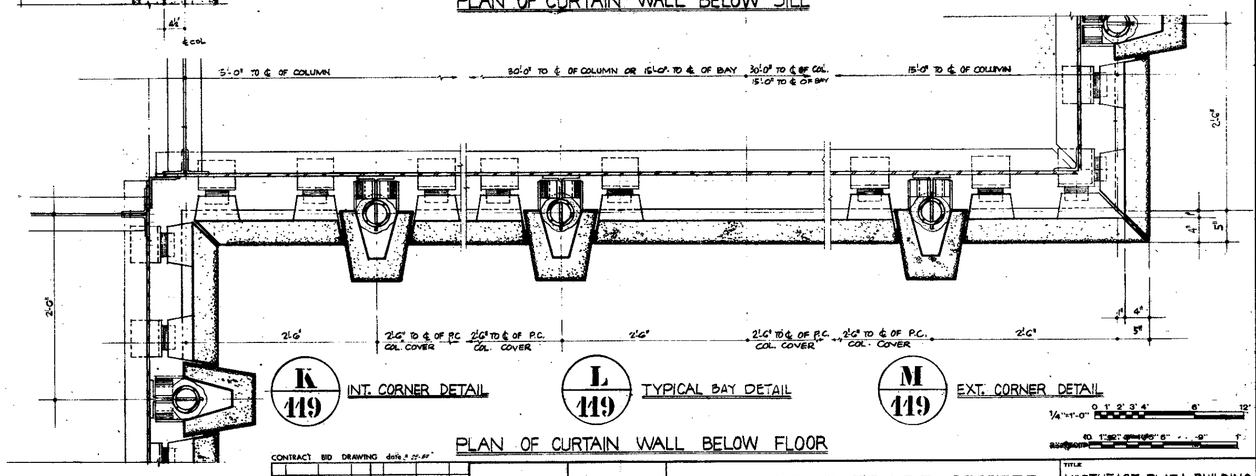


F 119 INTERIOR CORNER DETAIL

G 119 TYPICAL BAY DETAIL

H 119 EXTERIOR CORNER DETAIL

PLAN OF CURTAIN WALL BELOW SILL



K 119 INT. CORNER DETAIL

L 119 TYPICAL BAY DETAIL

M 119 EXT. CORNER DETAIL

PLAN OF CURTAIN WALL BELOW FLOOR

1/4"=1'-0"

NOTE
1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWGS NOS A-E-2 & A-E-3
2.
3. ALL CURTAIN WALL COMPONENTS SHOWN ON DRAWING AS "PRECAST CONCRETE" OR "P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN AND APPEARANCE ONLY.

CONTRACT BID DRAWING date 5-21-69

NO.	DATE	SUB. NO.	BY
1	10-6-78	BE-42	J.T.
2	5-29-70	2-10	K.T.M.
3	6-18-70	E-3	L.W.
4	6-18-70	E-3	L.W.
5	6-18-70	E-3	L.W.
6	11-20-69	E-1	K.T.M.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

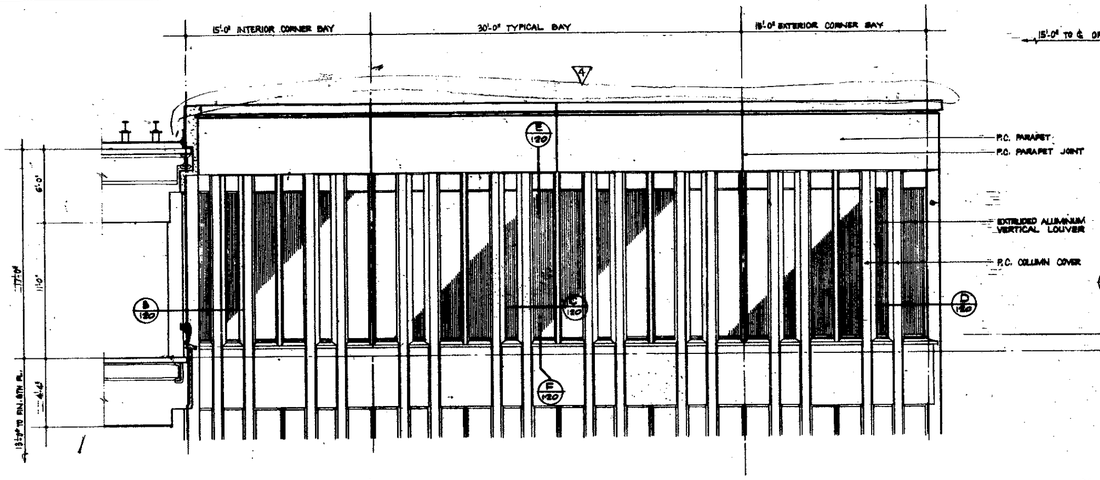
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
CURTAIN WALL & PRECAST CONCRETE DETAILS AT 9TH FL.

DRAWN	M.M.	CHECKED	
SCALE	1/8"=1'-0" AS NOTED	DATE	7-23-69
PROJECT NUMBER		SHEET	OF

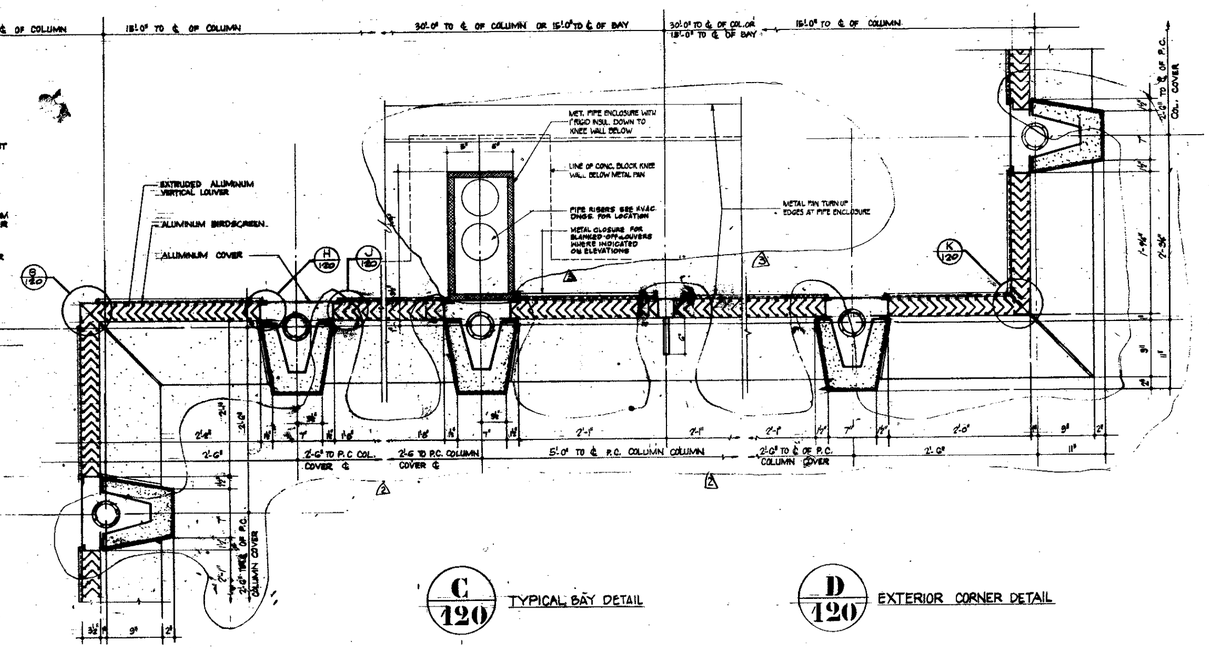
DRAWING NUMBER A-E-119

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017



A/120 PARTIAL ELEVATION FACADE AT 9TH FLOOR

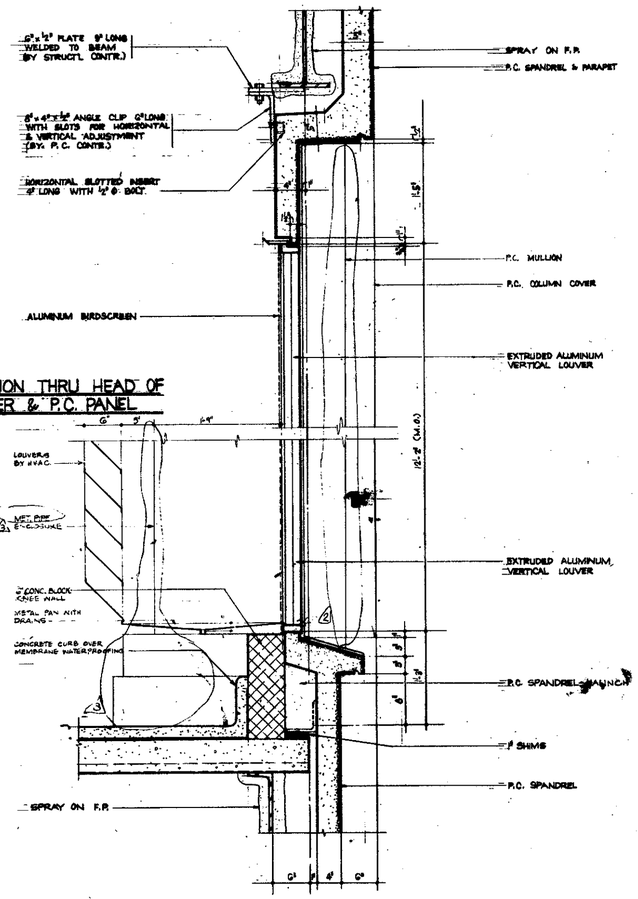
SCALE: 1/4"=1'-0"



C/120 TYPICAL BAY DETAIL

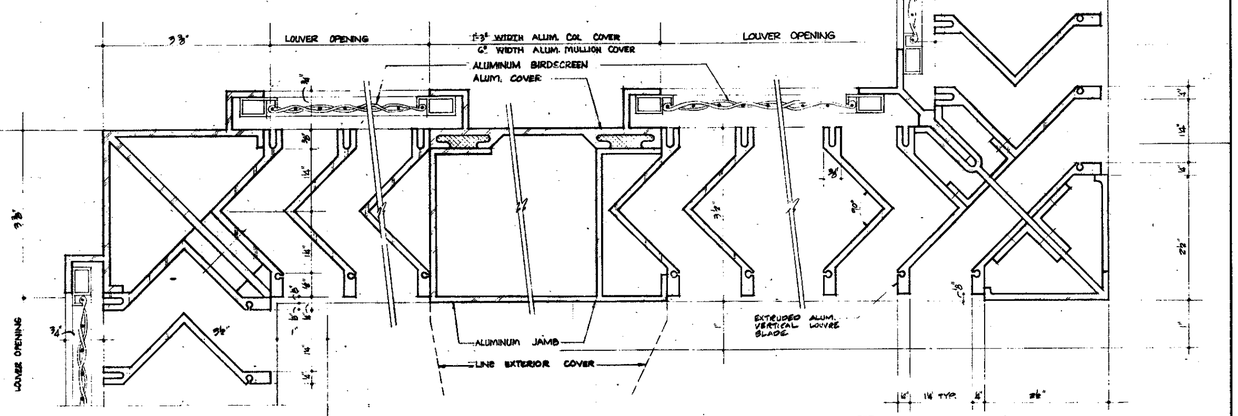
D/120 EXTERIOR CORNER DETAIL

B/120 INTERIOR CORNER DETAIL



E/120 SECTION THRU HEAD OF LOUVER & P.C. PANEL

F/120 SECTION THRU LOUVER IN A.C. PLENUM



G/120 INT. CORNER JAMB

H/120 JAMB

J/120 JAMB

K/120 EXT. CORNER JAMB

TYPICAL LOUVER DETAILS

SCALE: FULL SIZE

NOTE

1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWGS NOS A-E-2 & A-E-3
2. SPRAY-ON FIREPROOFING ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR ILLUSTRATION PURPOSES.
3. ALL CURTAIN WALL COMPONENTS SHOWN ON DRAWING AS "PRECAST CONCRETE" ON P.C. SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

RECEIVED

DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES

211 EAST 46TH ST., N.Y.C. 10017

1/4"=1'-0" 0 6" 1' 2'

1½"=1'-0" 0 6" 1' 2'

CONTRACT BID DRAWING date 8-15-69

NO.	DATE	DWG. NO.	BY

REVISIONS

NO.	DATE	DWG. NO.	BY
Δ	6-18-70	E-5	AH
Δ	6-18-70	L-7	AW
2	6-18-70	E-5	AW
1	11-26-69	E-1	RTR

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

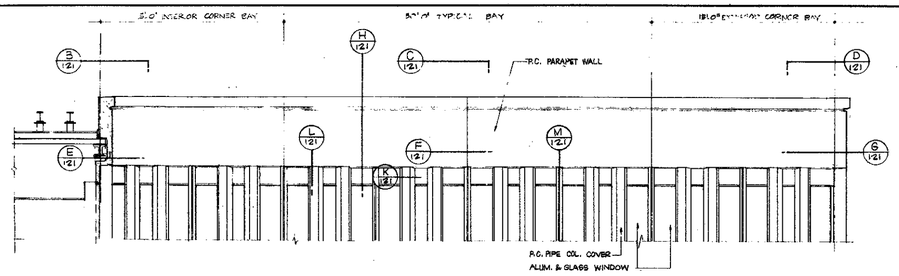
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

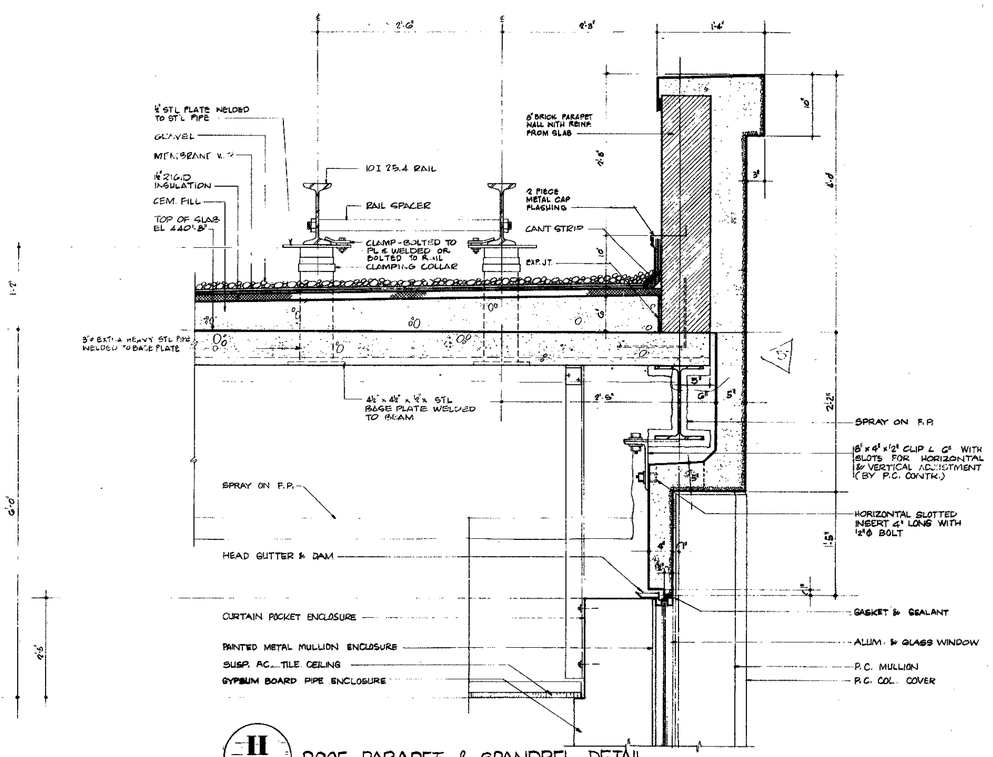
TITLE: NORTHEAST PLAZA BUILDING
LOUVER WALL & PRECAST CONCRETE DETAILS @ 9TH FL

DRAWN	N.P.R.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-120		

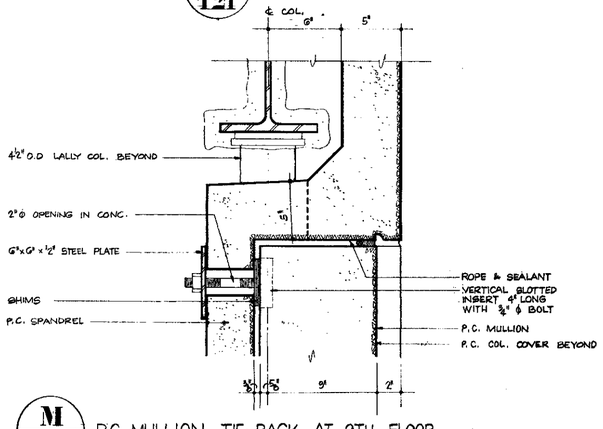
AE-121



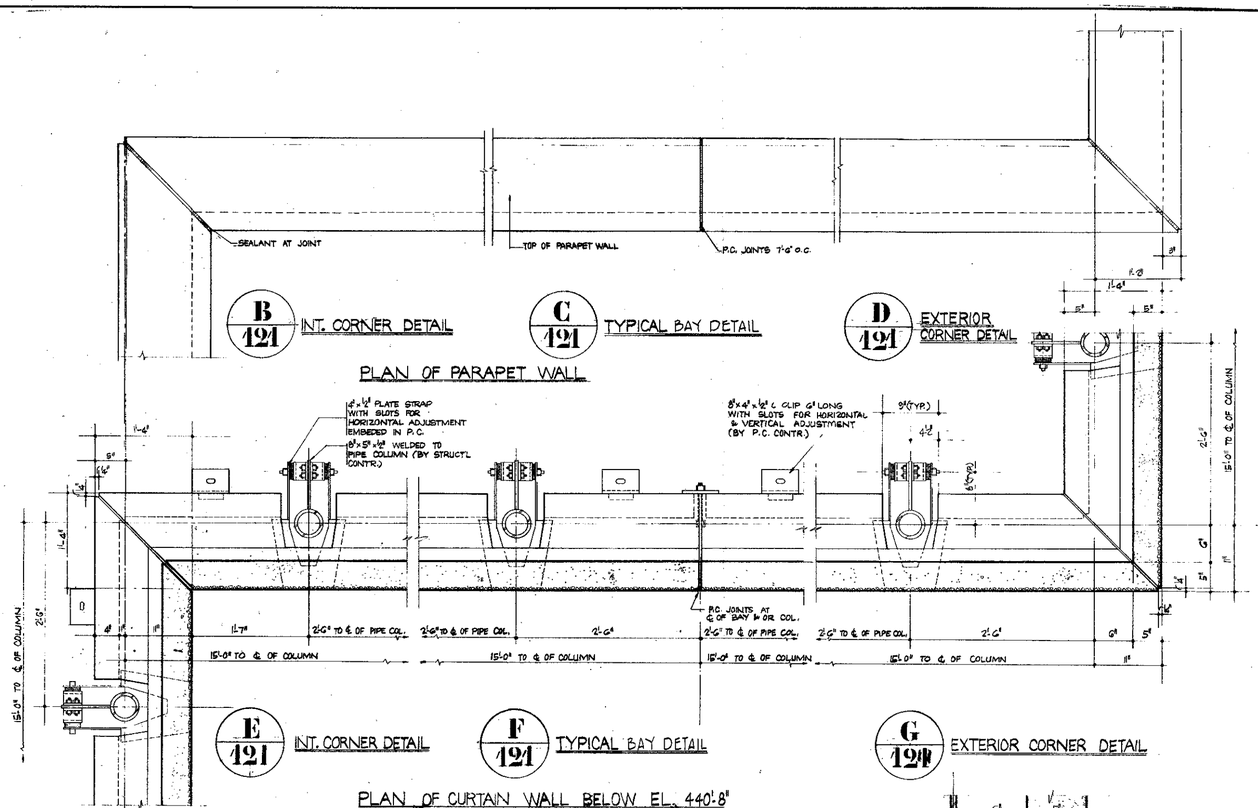
A 121 PARTIAL ELEVATION OF FACADE AT EL. 440'-8"
SCALE 1/4"=1'-0"



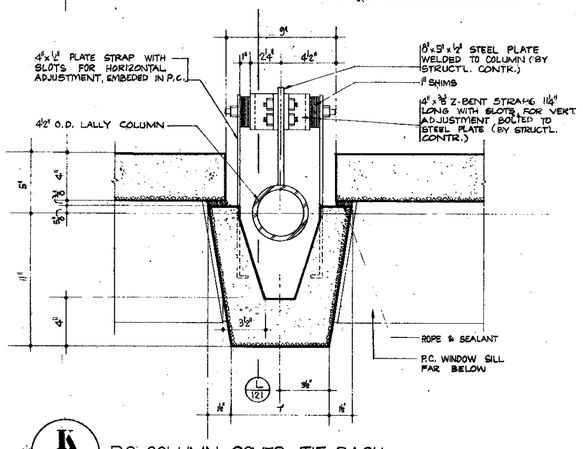
H 121 ROOF PARAPET & SPANDREL DETAIL



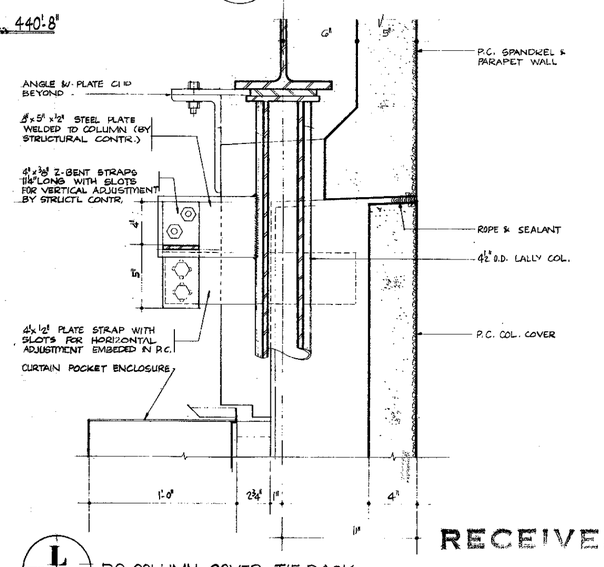
M 121 P.C. MULLION TIE BACK AT 9TH FLOOR



B 121 INT. CORNER DETAIL
C 121 TYPICAL BAY DETAIL
D 121 EXTERIOR CORNER DETAIL
E 121 INT. CORNER DETAIL
F 121 TYPICAL BAY DETAIL
G 121 EXTERIOR CORNER DETAIL



K 121 P.C. COLUMN COVER TIE-BACK PLAN BELOW PARAPET WALL
SCALE 3"=1'-0"



L 121 P.C. COLUMN COVER TIE-BACK SECT. BELOW PARAPET WALL
SCALE 3"=1'-0"

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

NOTE
1. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWGS NOS A-E-2 & A-E-3
2. SPRAY-ON F.P. ON STRUCTURAL MEMBERS IS NOT SHOWN FOR ILLUSTRATION PURPOSES
3. ALL CURTAIN WALL COMPONENTS SHOWN ON THIS DRAWING AS "PRECAST CONCRETE" OR "P.C." SHALL BE FABRICATED OF ALUMINUM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. DETAILS SHALL BE USED FOR PROFILE DESIGN & APPEARANCE ONLY.

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'
1½"=1'-0" 0 6" 1' 2'
3"=1'-0" 0 1' 2" 3" 4' 6" 8" 9" 1'

CONTRACT BID DRAWING date 6-25-69

NO.	DATE	REVISIONS	BUL. NO.	BY
1	10-6-73	E-42	WITI
2	5-22-70	E-10	R.T.H
3	6-18-70	E-3	R.T.H
4	6-18-70	E-5	R.T.H
5	11-28-69	E-1	R.T.H

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

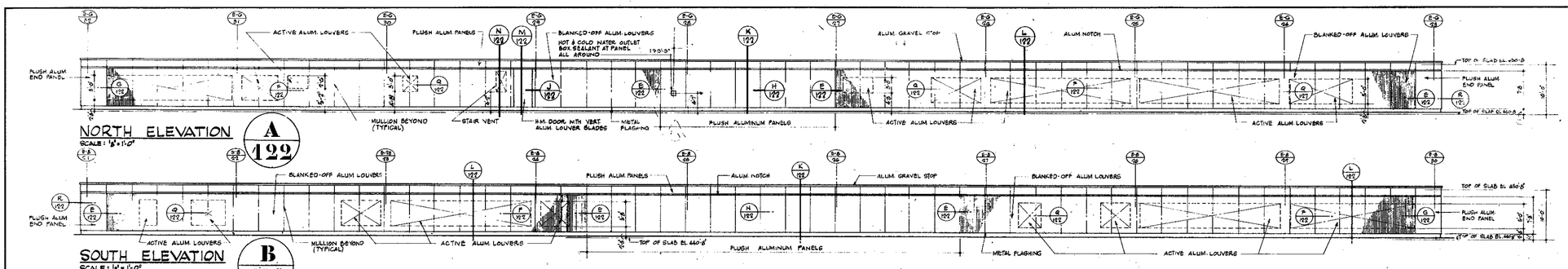
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

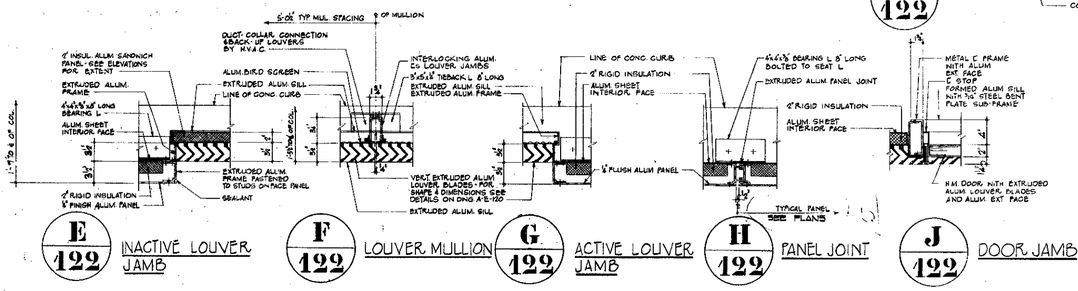
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

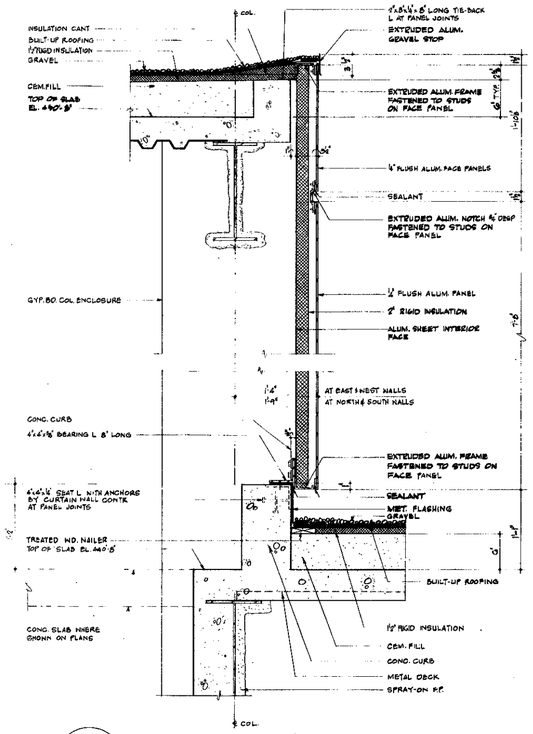
TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL PRECAST CONCRETE & MISCELLANEOUS DETAILS AT ROOF

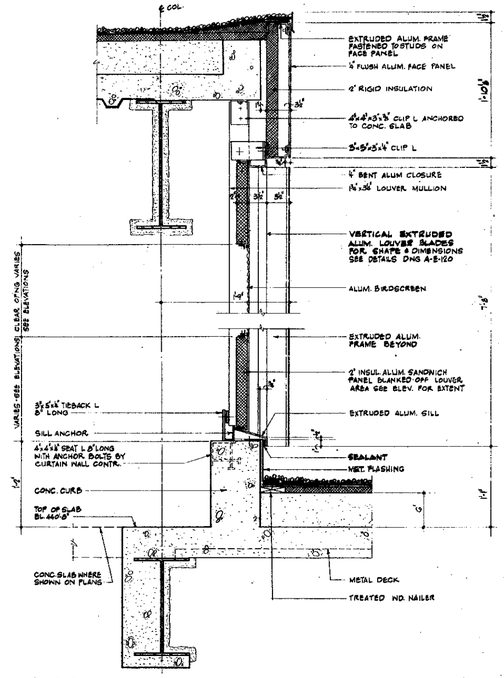
DRAWN	R.H. & M.P.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-121		

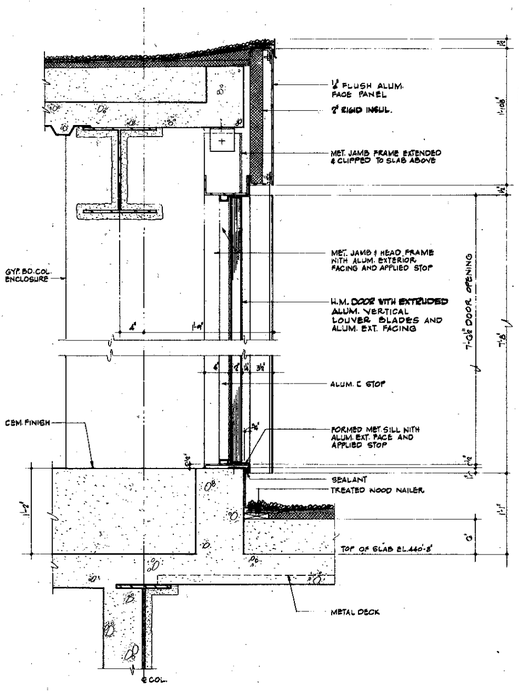
AE-122

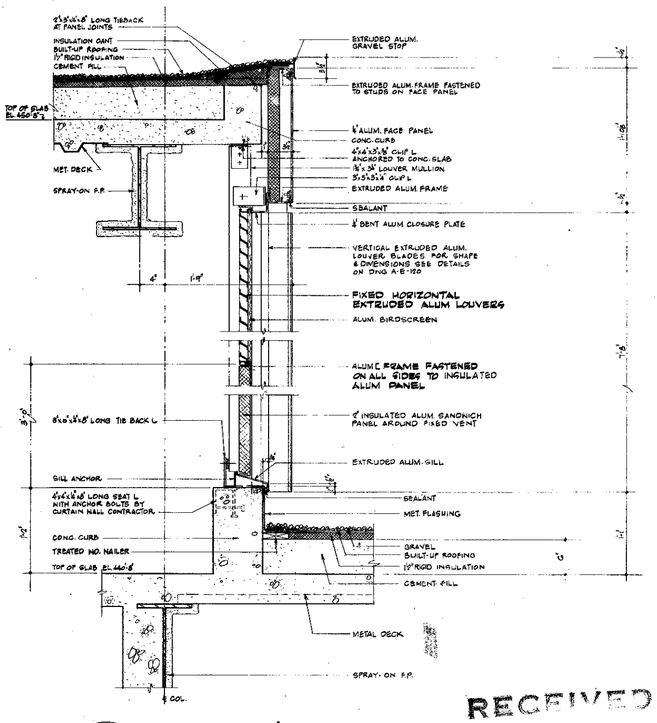


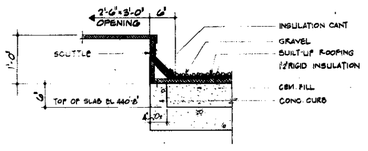












NOTE
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS NOS A-E-2 & A-E-3

RECEIVED
DEC 2 8 1970
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-23-68

NO.	DATE	REVISIONS	BY
4	10-6-70	E-4-E, E-5	WTT
3	9-22-70	E-10	R.T.A.
2	8-25-70	D-7	R.T.A.
1	6-18-70	F-3	A.M.
0	11-24-69	B-1	R.T.A.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

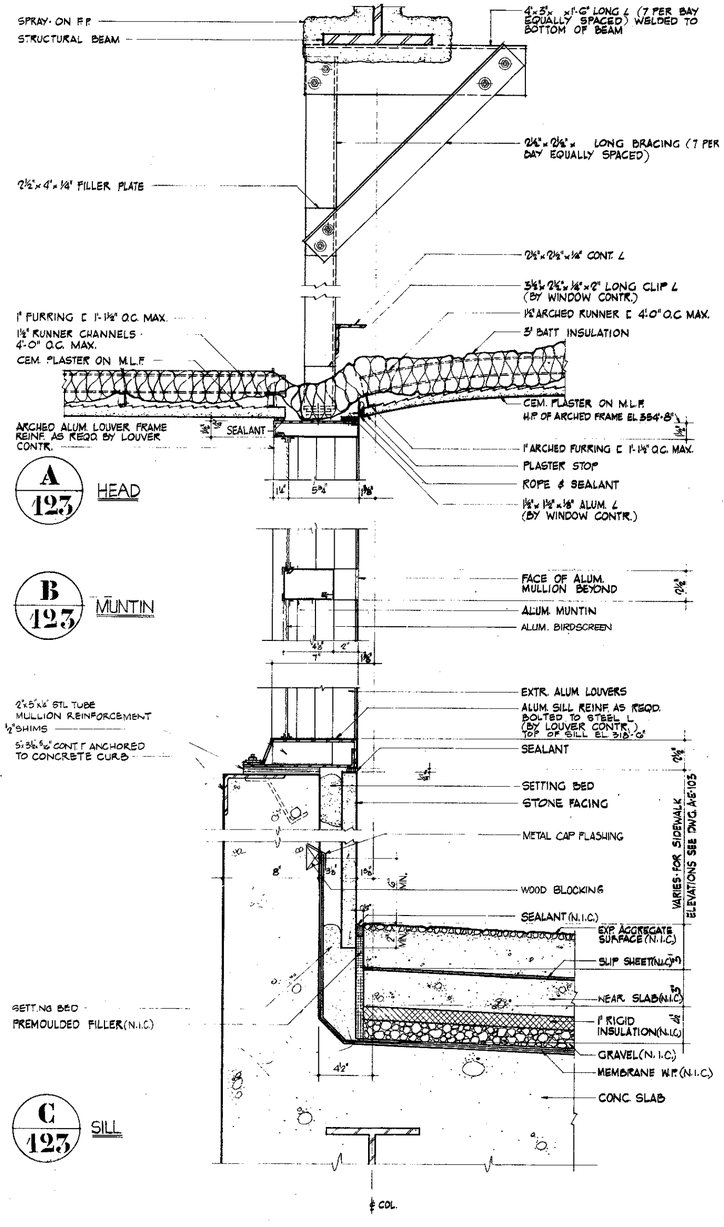
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

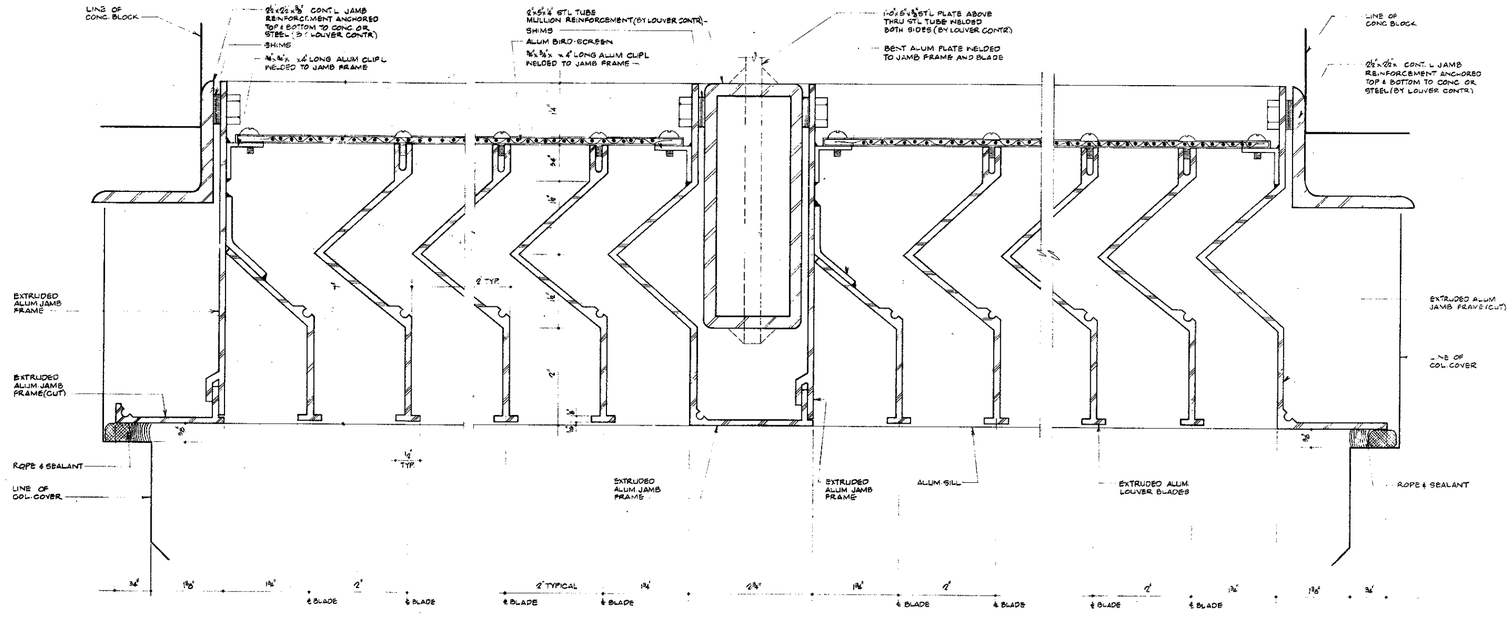
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

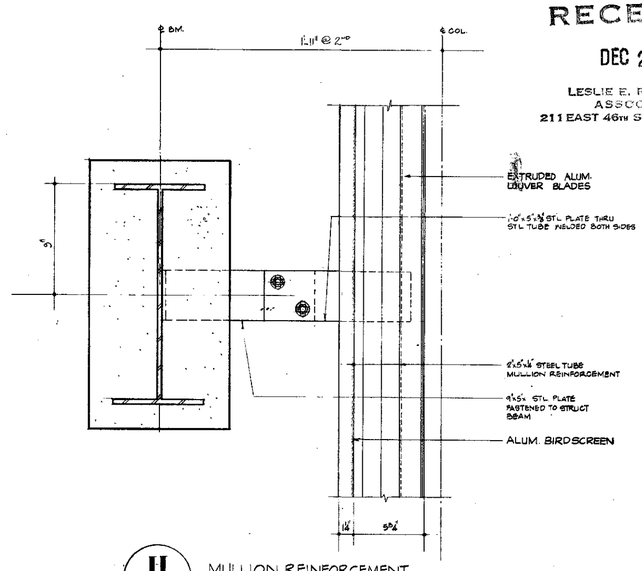
TITLE: NORTHEAST PLAZA BUILDING BULKHEAD ELEVATIONS AND DETAILS

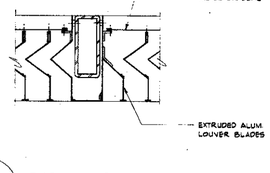
DRAWN	J.M.C.	CHECKED	
SCALE	1/4"=1'-0" AS NOTED	DATE	7/28/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-122		

AE-123









NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS A-E-121 & A-E-3

PLUMBING FRESH AIR INTAKES
SCALE ¾"=1'-0"

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 1-11-89

NO.	DATE	BUL. NO.	BY
4	10-6-73	E-4-2	WM
3	5-22-70	E-10	R.T.W.
2	4-15-70	E-5	A.W.
1	4-15-70	E-7	A.W.
0	11-26-69	E-9	R.H.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

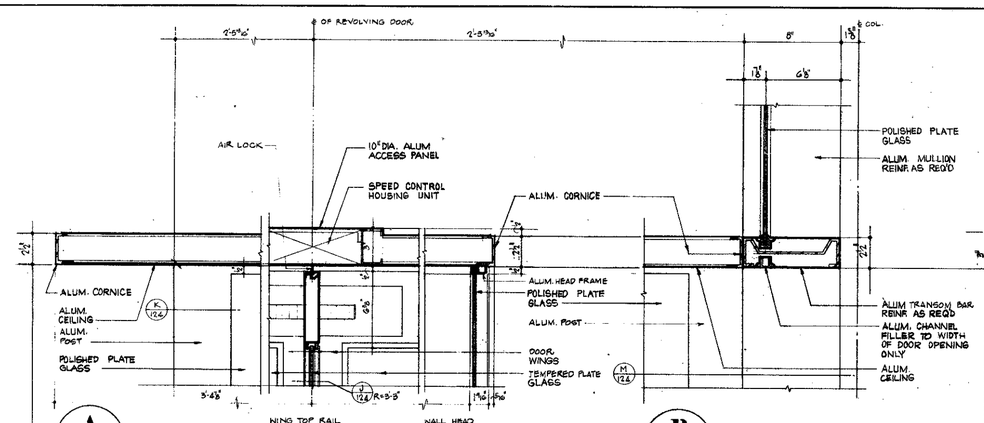
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

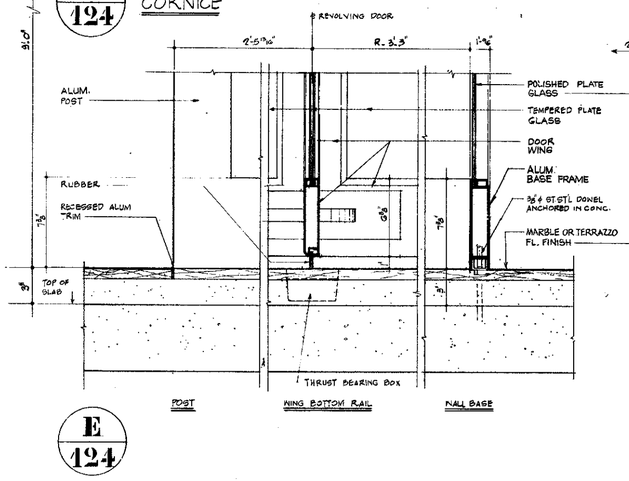
TITLE: NORTHEAST PLAZA BUILDING CURTAIN WALL LOUVER DETAILS

DRAWN	H. BELTON	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A•E•123		

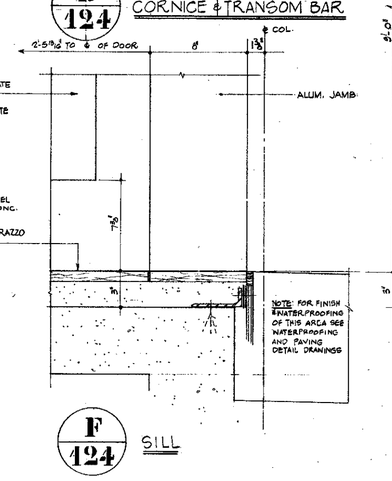


A 124 CORNICE

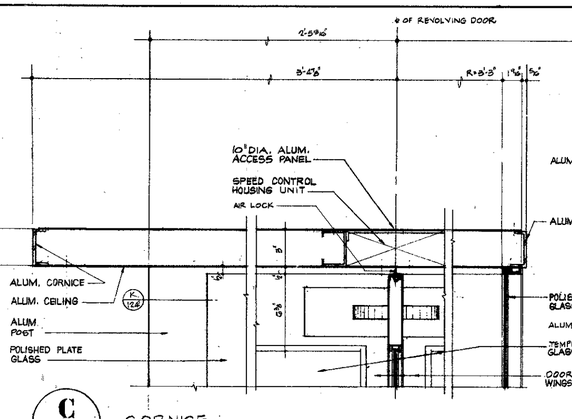
B 124 CORNICE & TRANSOM BAR



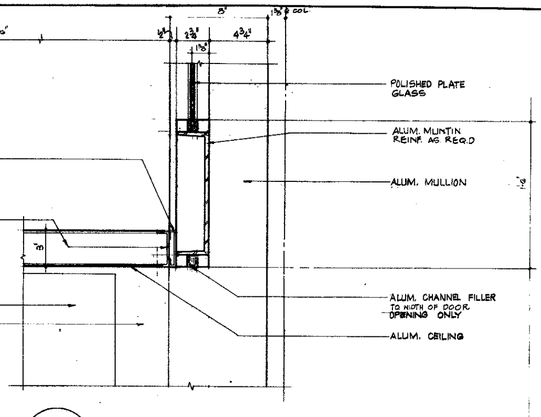
E 124



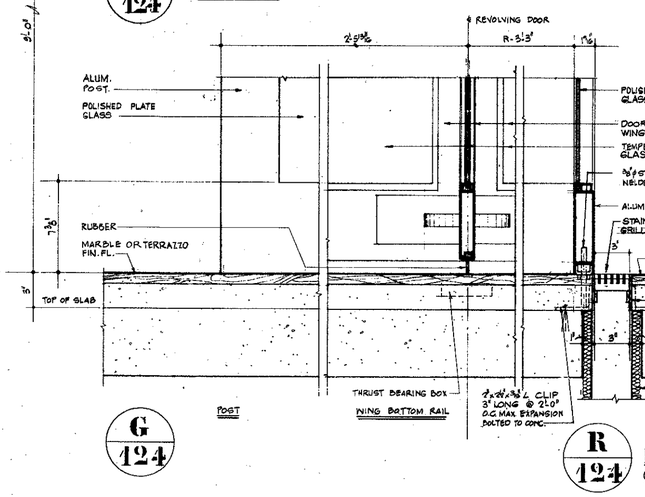
F 124 SILL



C 124 CORNICE

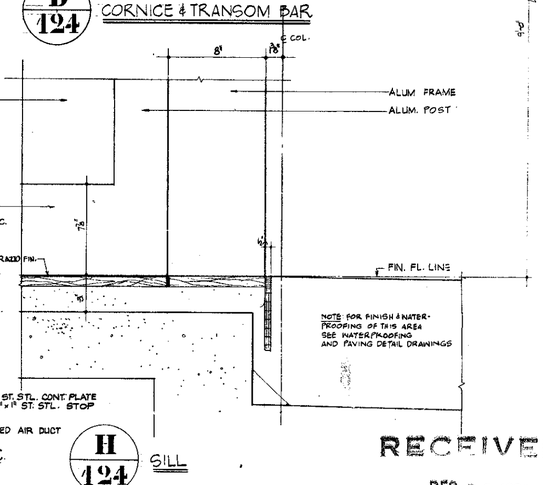


D 124 CORNICE & TRANSOM BAR



G 124

R 124 FLOOR A.C. GRILLE

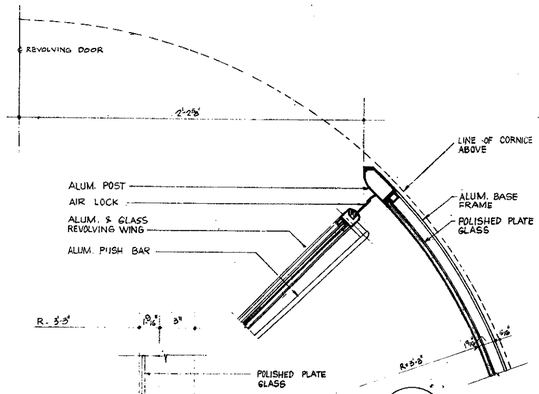


H 124 SILL

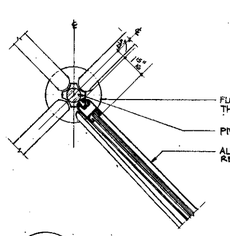
RECEIVED
DEC 2 8 1000

LEPLE E. ... ON
AS. ... ATES
211 EAST ... ST., N.Y.C. 10017

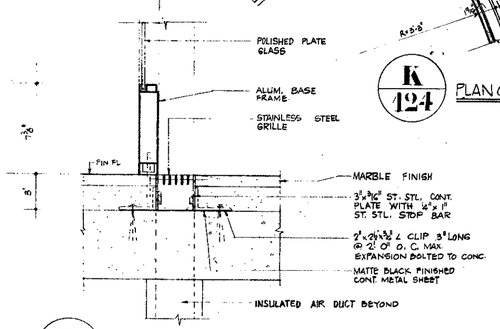
REVOLVING DOORS - VERTICAL SECTIONS



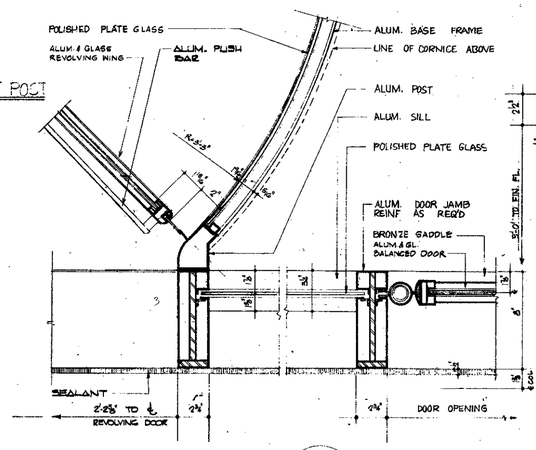
J 124 PLAN OF PIVOT POST



K 124 PLAN OF POST



L 124 BLANKED-OFF FLOOR GRILLE DETAIL

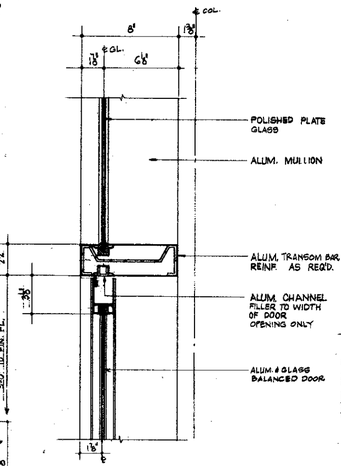


M 124 EXTERIOR POST

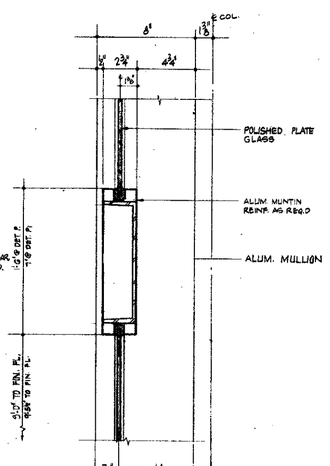
S 124 DOOR JAMB

NOTES:
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DNG A-E-1.4 A-E-3

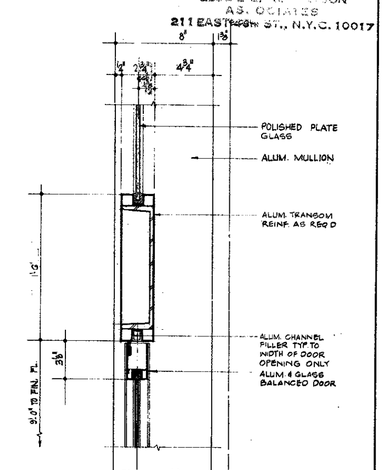
REVOLVING DOORS - PLAN DETAILS



N 124 TRANSOM BAR & DOOR HEAD



P 124 & **P1 124** MUNTIN



Q 124 TRANSOM BAR & DOOR HEAD

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

NO.	DATE	REVISIONS	BY
		E-4.4	
4	4-16-70	E-5	R.T.R.
5	11-12-84	E-1	R.T.R.

✓ CONTRACT BID DRAWING date 8-25-69

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

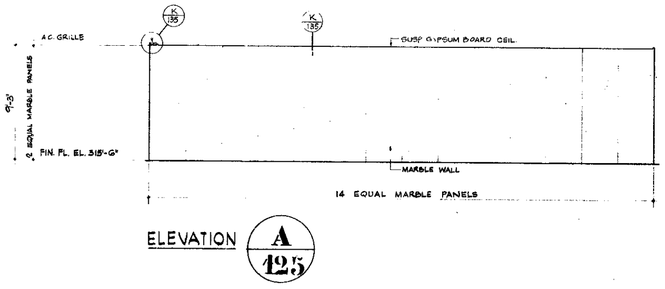
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING ENTRANCE DOOR DETAILS

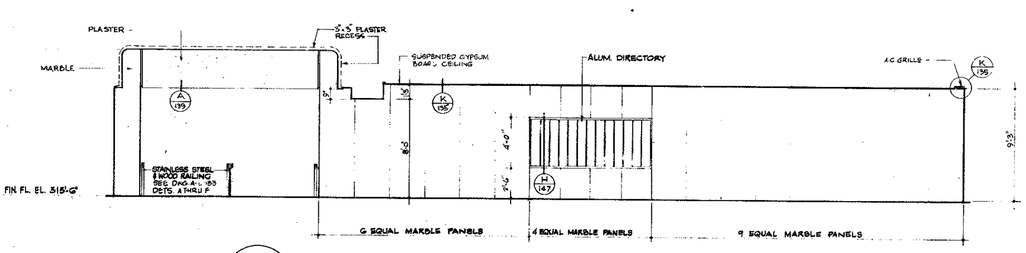
DRAWN	NPP	CHECKED	
SCALE	3"=1'-0"	DATE	7-25-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-124		

AE-125

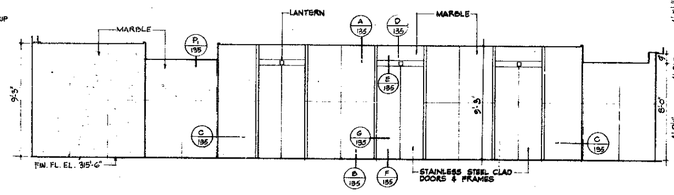
VESEY STREET

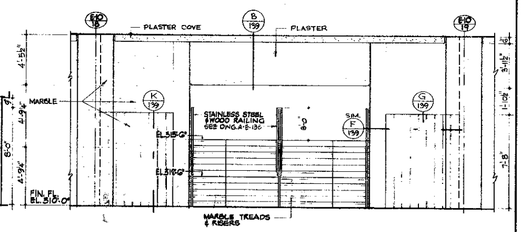


ELEVATION **A** 125

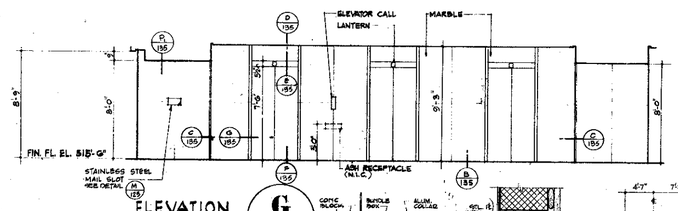


ELEVATION **D** 125

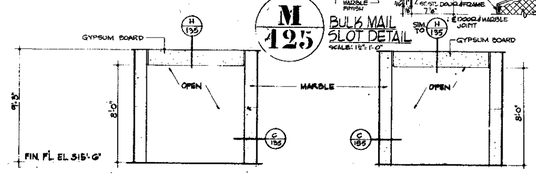




ELEVATION **E** 125



ELEVATION **G** 125

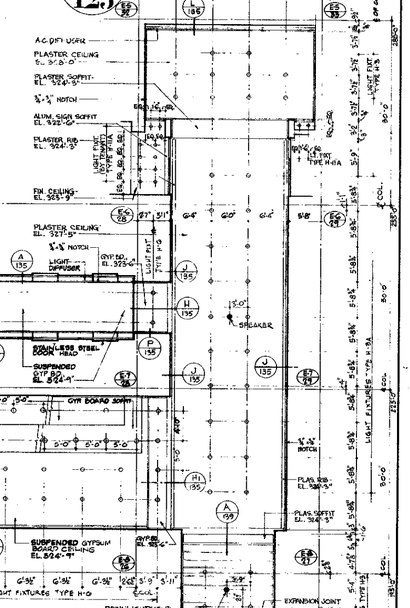


M 125 BULK MAIL SLOT DETAIL
SCALE: 1½" = 1'-0"

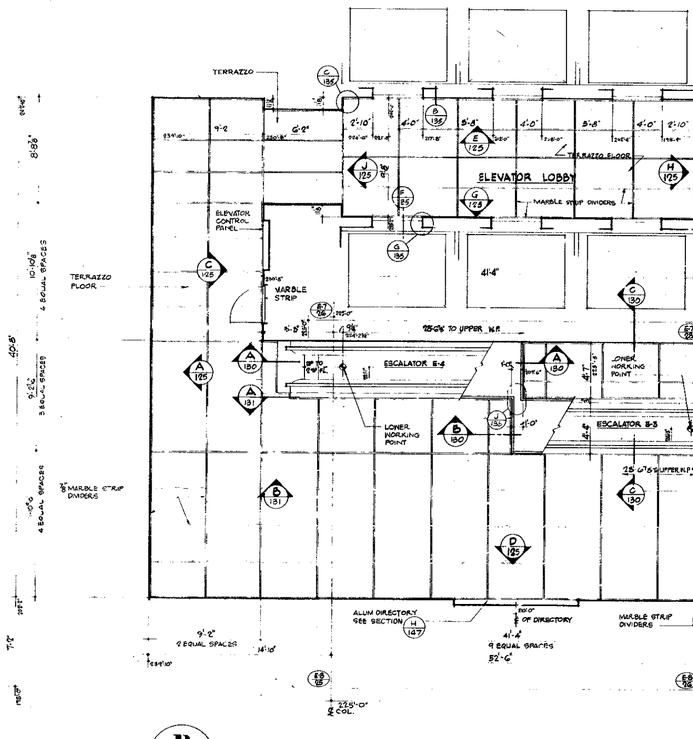
ELEVATION **H** 125

ELEVATION **J** 125

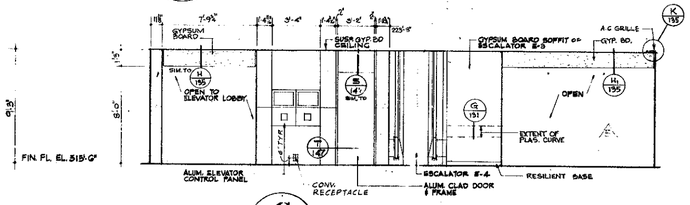
ELEVATION **F** 125



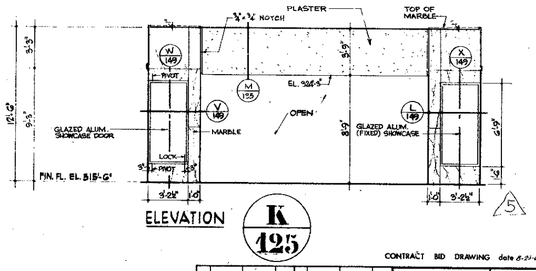
L 125 REFLECTED CEILING PLAN
SCALE: ⅛" = 1'-0"



B 125 VESEY STREET LOBBY (EL. 315'-0") FLOOR PLAN



ELEVATION **C** 125



ELEVATION **K** 125

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
2	6-25-74	E-155	S.D.
3	8-11-74	E-168	S.D.
4	10-4-73	E-42	WITT
5	5-29-70	E-10	RT&L
6	4-18-70	E-7	L.J.
7	4-18-70	E-5	L.J.
1	1-26-64	E-1	R.T.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

CONTRACT BID DRAWING date 6-21-67

NOTES
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. A-B-94 & A-B-3
2. FOR LIGHT FIXTURE TYPES SEE ELECTRICAL DRAWINGS.
3-SEE DETAILS IN KEY ON DWG A-B-147 FOR LOCATION OF MARBLE SUPPORT & RELIEVING LG.
4. ALL EXTERNAL MARBLE CORNERS TO HAVE ⅜" QUIRK MITER EXCEPT AS SHOWN IN DETAILS.

1/8"=1'-0" 0 4' 8' 16' 24'
1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

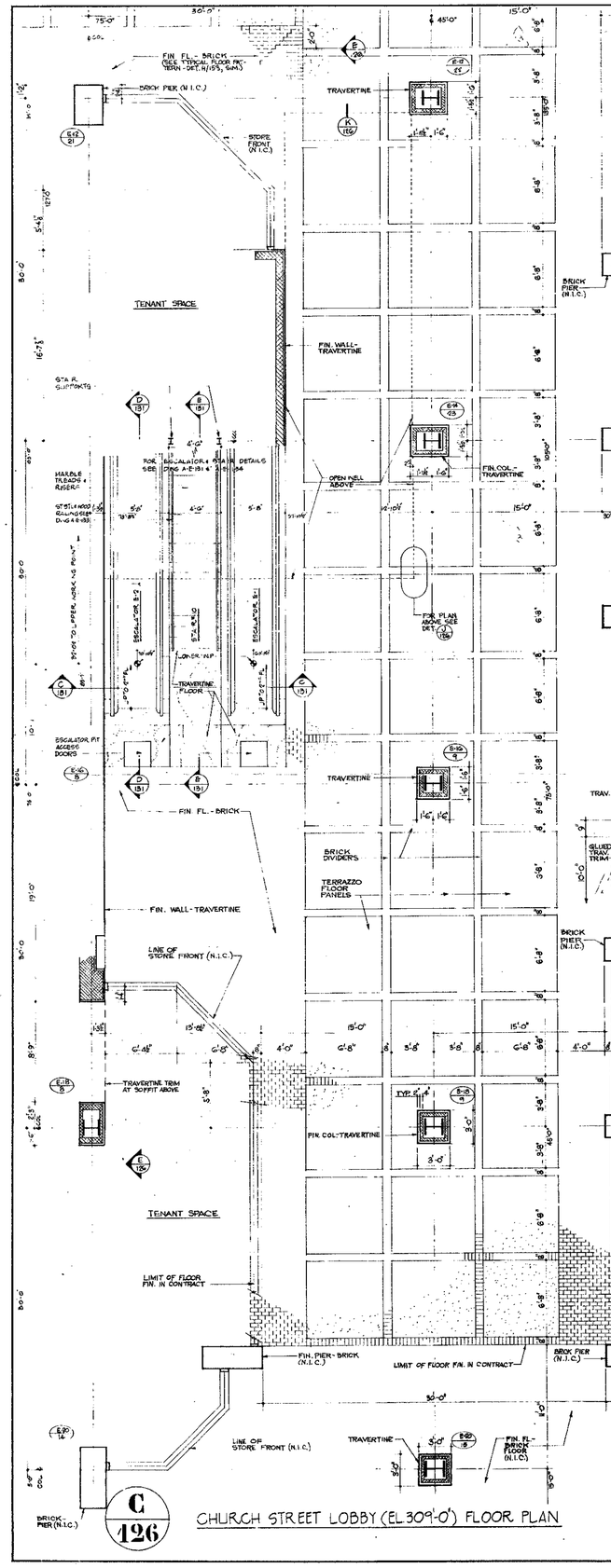
TITLE: NORTHEAST PLAZA BUILDING
VESEY ST. LOBBY (EL. 315'-0") PLAN, ELEVATIONS AND REFLECTED CEILING PLAN

DRAWN	H. BELTON	CHECKED	
SCALE	AS NOTED	DATE	7-28-67
PROJECT NUMBER		SHEET	OF

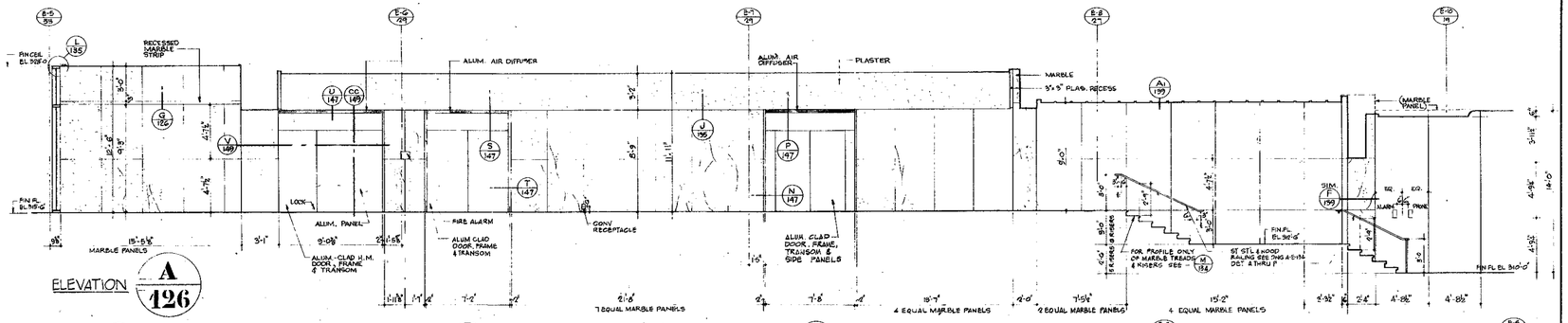
DRAWING NUMBER: A-E-125

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
EAST 46th ST., N.Y.C. 10017

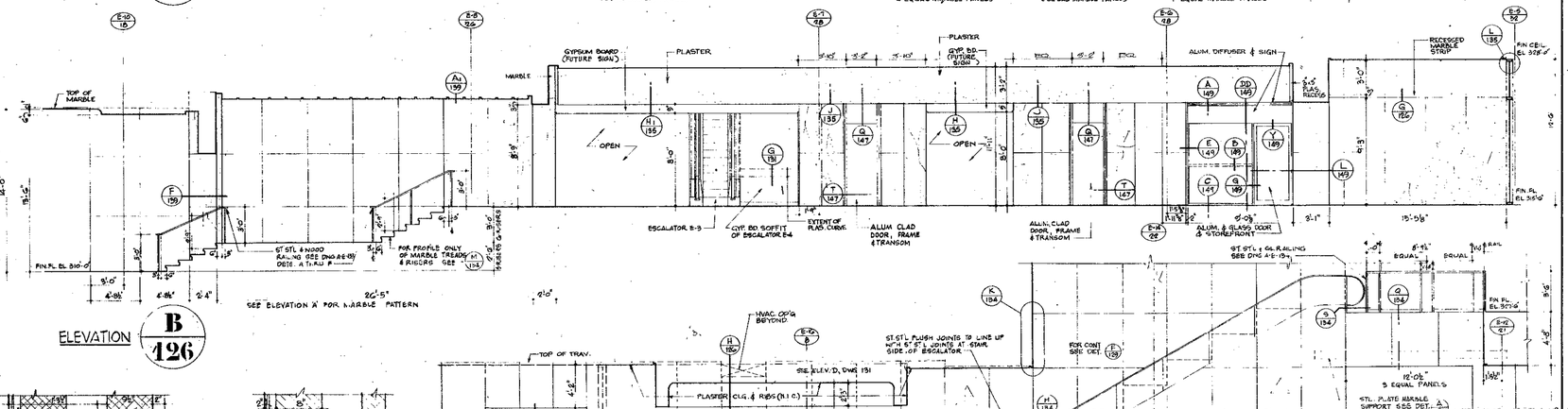
AE-126



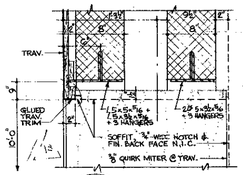
C 126 CHURCH STREET LOBBY (EL 309'-0") FLOOR PLAN



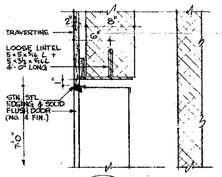
ELEVATION A 126



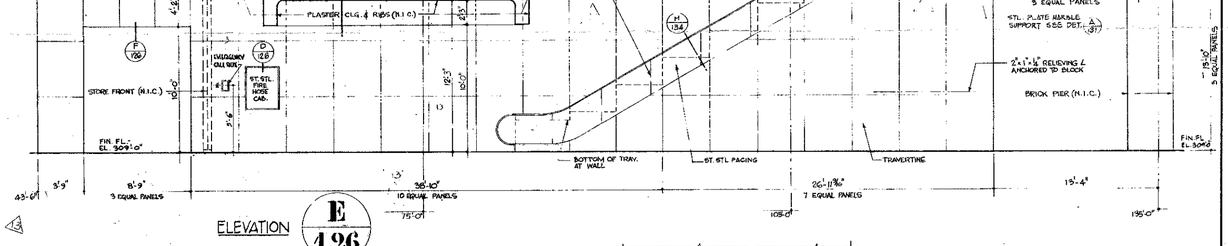
ELEVATION B 126



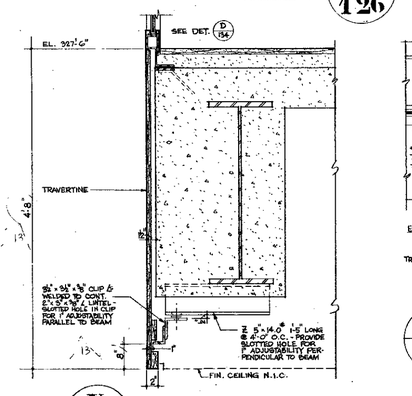
F 126 SECTION SCALE: 1½"=1'-0"



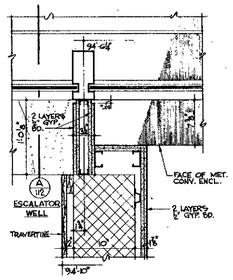
D 126 SECTION SCALE: 1½"=1'-0"



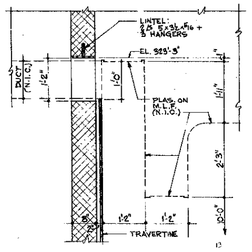
ELEVATION E 126



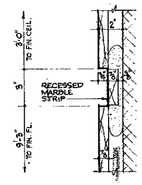
K 126 SECTION SCALE: 1½"=1'-0"



J 126 PLAN SCALE: 1½"=1'-0"



H 126 SECTION SCALE: ¾"=1'-0"



DETAIL SCALE: 3"=1'-0"

G 126

NOTES:
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2 & A-E-3
2-FOR LIGHT FIXTURE TYPES SEE ELECTRICAL DRAWINGS
3-SEE DETAILS N, X, & Y ON DRAWING NO. A-E-149 FOR LOCATION OF MARBLE SUPPORT & RELIEVING ANGLES.
4-ALL EXTERNAL MARBLE CORNERS TO HAVE ⅜ QUIRK MITER EXCEPT AS SHOWN IN DETAILS.

RECEIVED
DEC 26 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

1/16"=1'-0" 0 4' 8' 16' 24'
1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 8-25-69

			1	1-17-78	E-188	S.D.
			2	5-22-78	E-197	AC
			3	12-29-78	E-164	S.D.
			4	G-25-79	E-195	S.D.
			5	5-11-79	E-108	S.D.
			6	10-6-78	E-48	WITH
			7	5-29-80	6-10	KCK
1		E-225	S.D.	4-18-80	1-7	RTH
2	6-16-75	E-191	S.D.	4-18-80	8-3	RTH
3	8-16-73	E-177	S.D.	10-28-81	8-1	RTH
NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

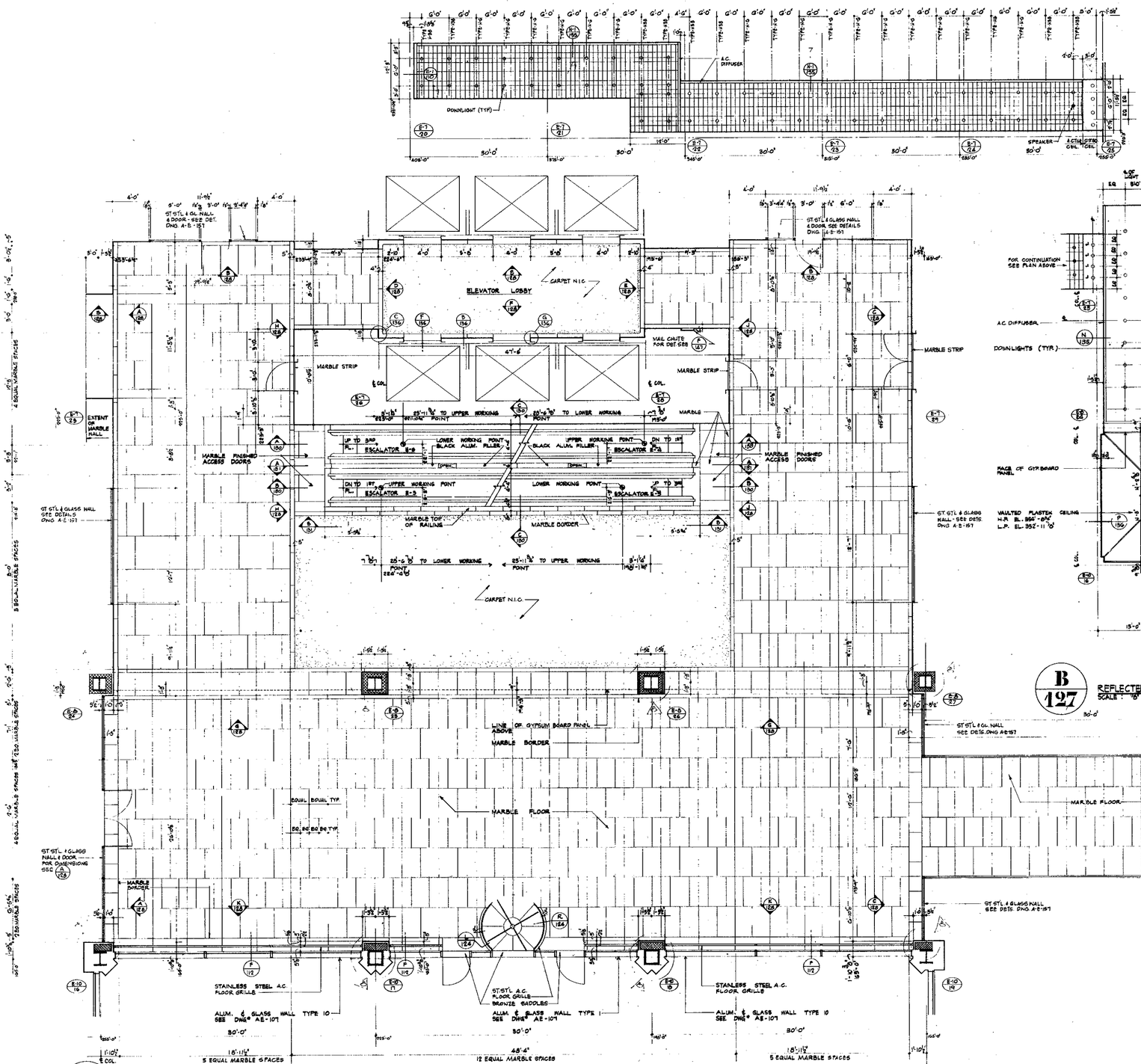
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

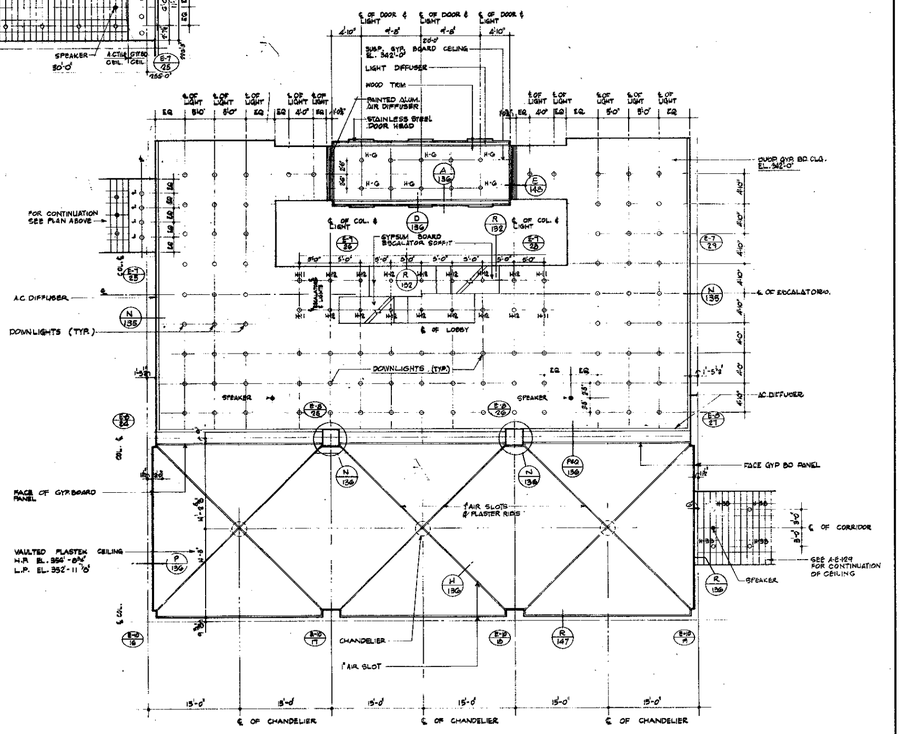
TITLE: NORTHEAST PLAZA BUILDING VESEY STREET LOBBY (EL 315'-6") ELEVATIONS & CHURCH STREET LOBBY (EL 309'-0") PLAN, ELEVATION.

DRAWN	R. T. H.	CHECKED	
SCALE	1/16"=1'-0" NOTED	DATE	7-28-81
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-126		

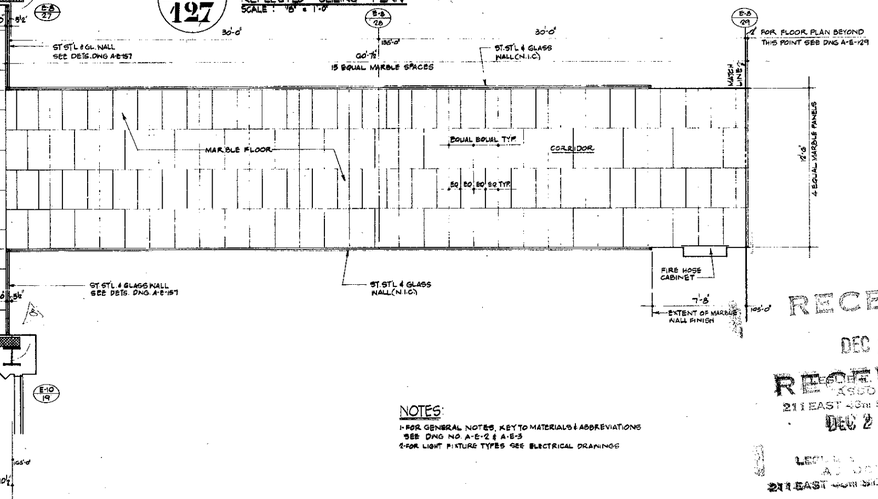
AE-127



A/127 FLOOR PLAN EL. 332'-0"



B/127 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



NOTES:
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO. A-E-2 & A-E-3
2-FOR LIGHT FIXTURE TYPES SEE ELECTRICAL DRAWINGS

RECEIVED
DEC 28 1990
RECEIVED
KOHN PEDERSEN FOX ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017
DEC 28 1990
KOHN PEDERSEN FOX ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12
1/8"=1'-0" 0 4' 8' 16' 24'

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-31-81

NO.	DATE	BUL. NO.	BY
1	10-15-79	E-47	WTS
2	9-22-80	E-54	WTS
3	5-22-80	E-10	RTA
4	4-13-90	E-8	AW
5	4-18-90	E-7	AW
6	6-18-90	E-9	AW
7	11-26-90	E-1	RTA

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

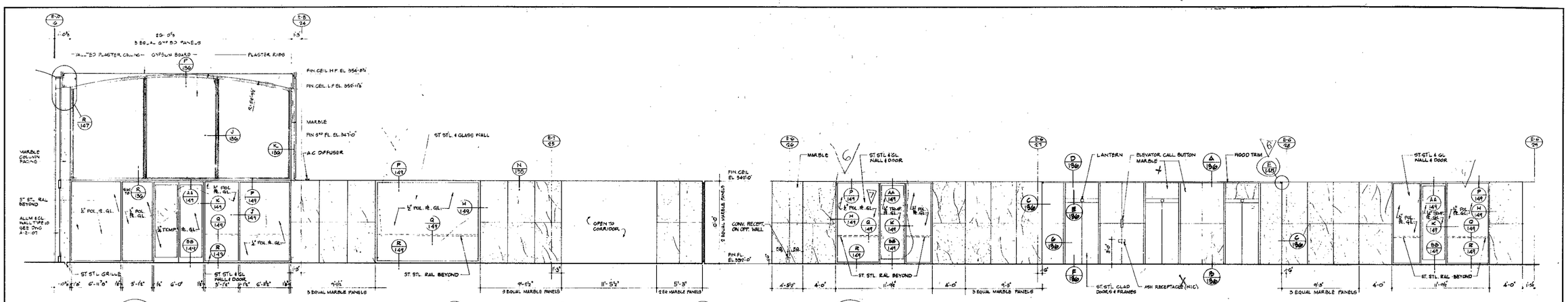
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
PLAZA LOBBY (EL. 332'-0") PLAN & REFLECTED CEILING PLAN

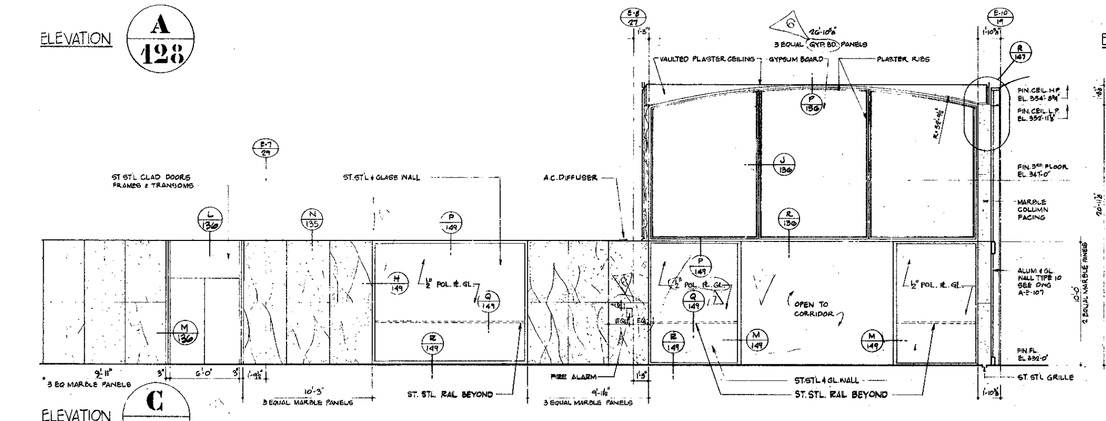
DRAWN	N.S.	CHECKED	
SCALE	1/8" = 1'-0" AS NOTED	DATE	7-28-89
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-127		

AE-128

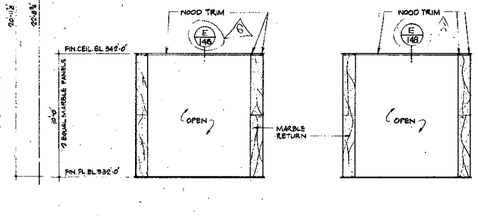


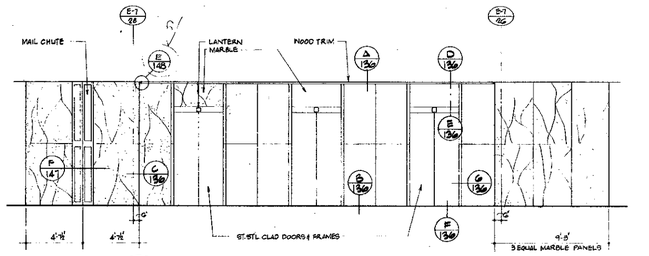
ELEVATION **A 128**

ELEVATION **B 128**

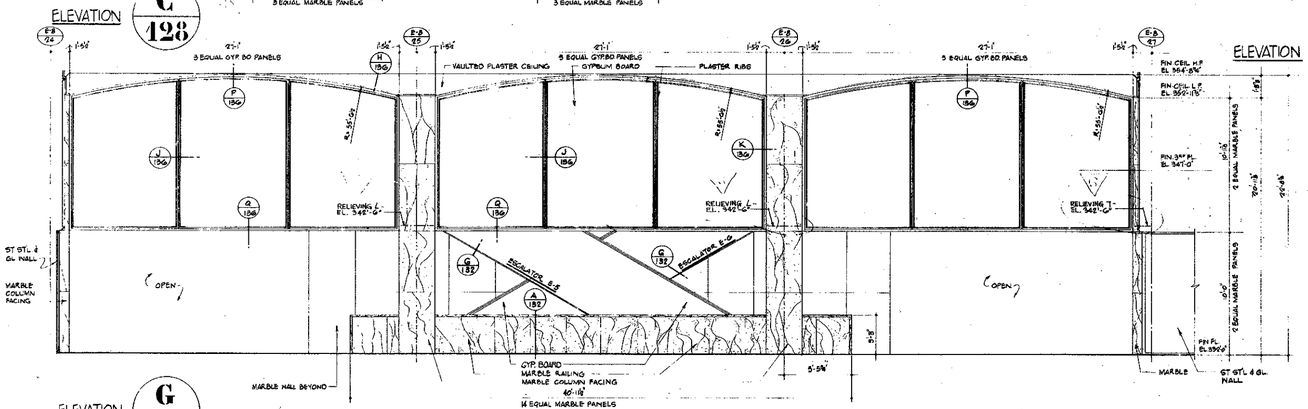


ELEVATION **C 128**



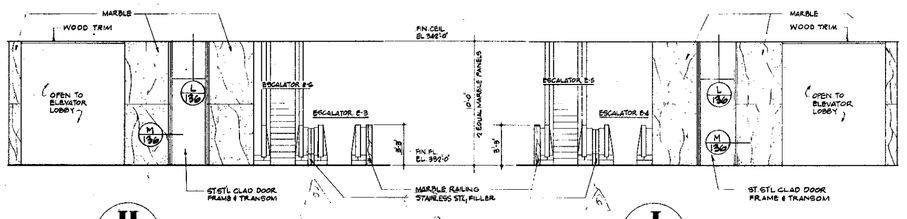


ELEVATION **D 128**



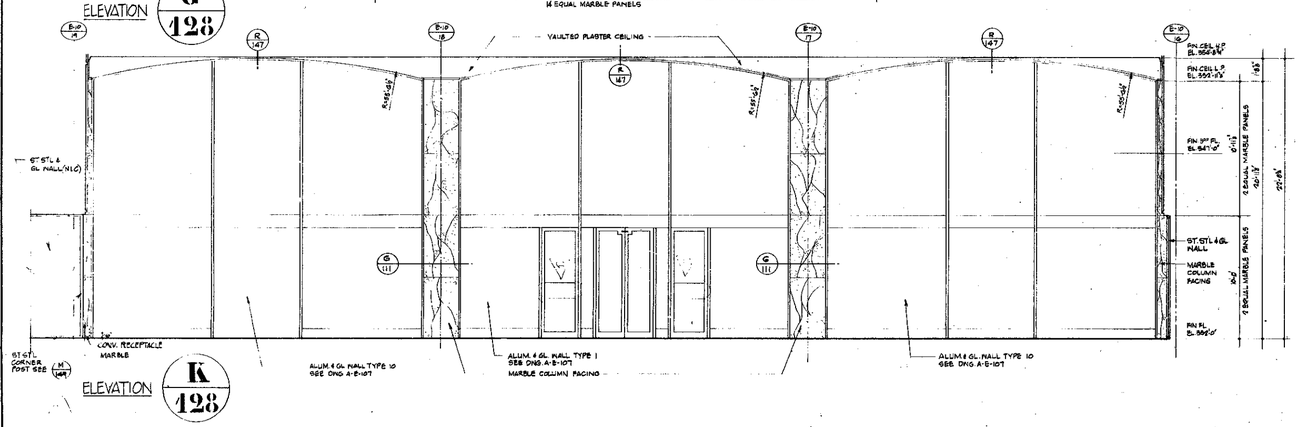
ELEVATION **E 128**

ELEVATION **F 128**



ELEVATION **H 128**

ELEVATION **J 128**



ELEVATION **K 128**

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG. NO. A-E-2 & A-E-3

2- SEE DETAILS H, J & Y ON DRAWING NO. A-E-147 FOR LOCATION OF MARBLE SUPPORT & RELIEVING ANGLES.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

CONTRACT: SID DRAWING: date 6-25-69

NO.	DATE	SUB. NO.	BY
1	6-16-70	E-192	SID
2	10-6-70	E-42.	WITH
3	5-29-70	E-10	T.J.
4	4-16-70	E-3	AW.
5	4-16-70	E-5	AW.
6	6-18-70	E-7	AW.
7	11/18/04	E-1	ATA.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK No. 035078

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

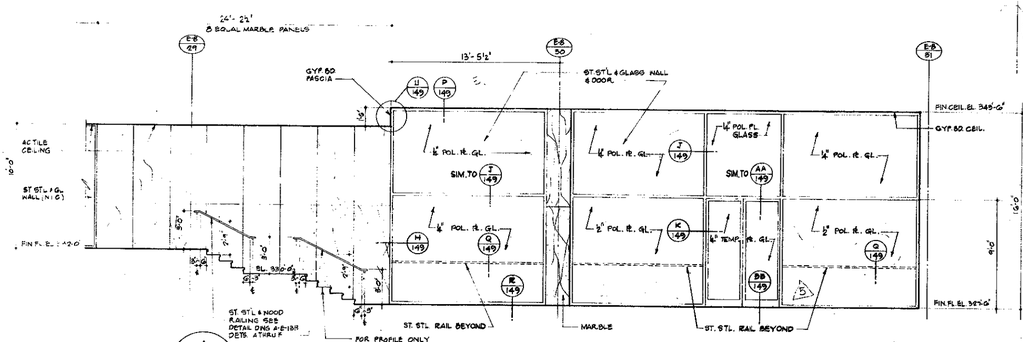
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

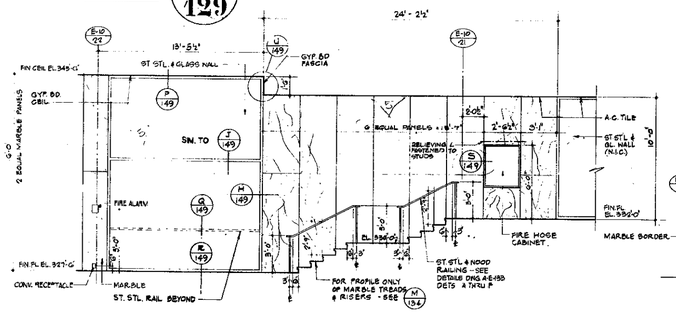
TITLE: NORTHEAST PLAZA BUILDING PLAZA LOBBY (EL. 332'0) ELEVATIONS

DRAWN	N.S. & R.H.	CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-128		

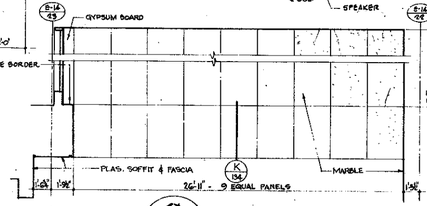
AE-129



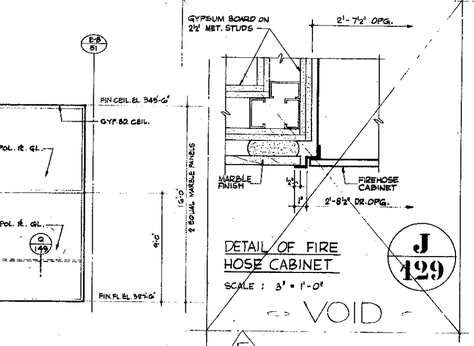
ELEVATION **A** 129



ELEVATION **B** 129



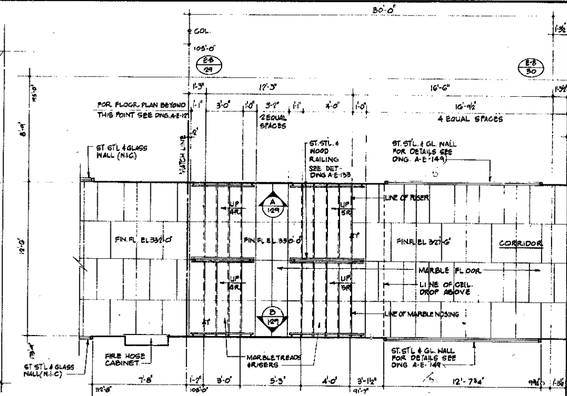
ELEVATION **C** 129



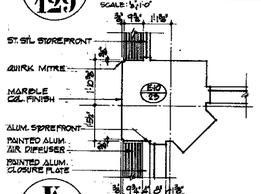
DETAIL OF FIRE HOSE CABINET
SCALE : 3" = 1'-0"

VOID

J 129

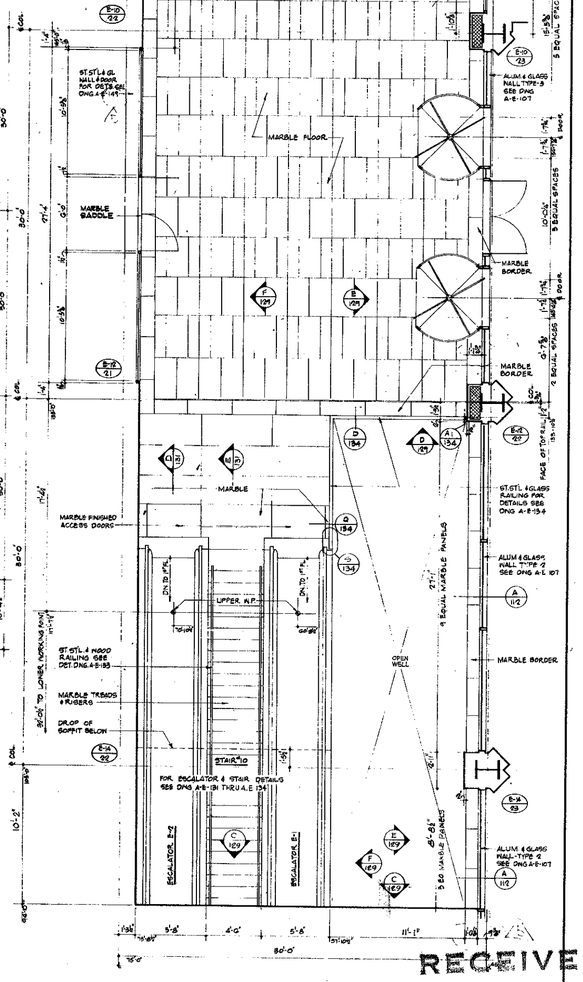


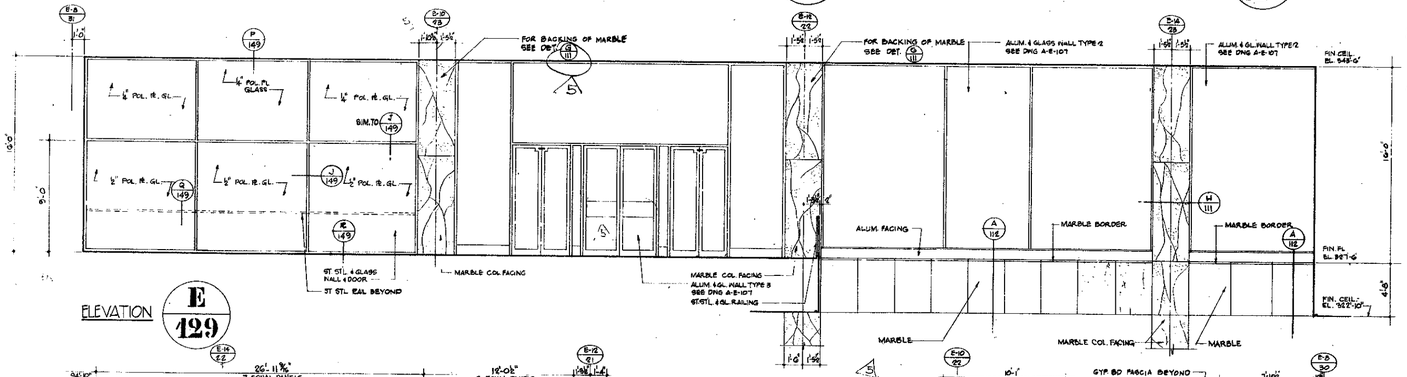
G 129 REFLECTED CEILING PLAN
SCALE: ½"=1'-0"



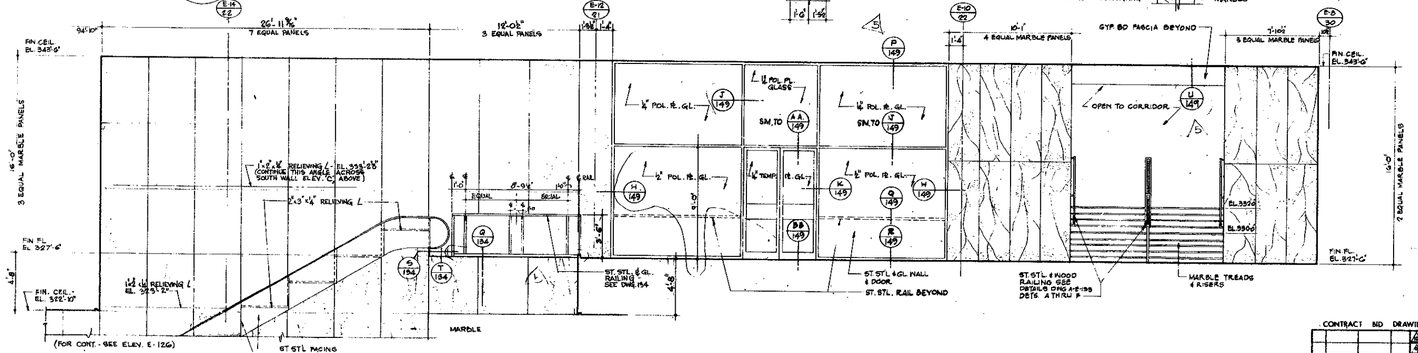
K 129 REFLECTED CLG PLAN AT COLUMN E-10/22 SCALE: ½"=1'-0"

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG A-E-2 & A-E-3
2- FOR LIGHT FIXTURE TYPES SEE ELECTRICAL DRAWINGS
3- SEE DETAILS M, K & Y ON DWG. A-E-147 FOR TYPICAL MARBLE VENEER SUPPORT DETAILS & RELIEVING ANGLES.





ELEVATION **E** 129



ELEVATION **F** 129

H 129 FLOOR PLAN EL 327'-6"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

NO.	DATE	BUL. NO.	BY
		CONTRACT	BID
		DRAWING	date 8-28-68
1	8-16-78	E-191	SD
2	12-29-72	E-164	SD
3	9-2878	E-142	AC
4	10-17-75	E-47	WM
5	10-7-71	M-46	WM
6	10-1-73	E-42	WM
7	2-19-70	B-10	K.W.
8	4-15-70	E-8	L.J.
9	4-15-70	E-7	AW
10	1/28/69	B-1	KTA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

RECEIVED
DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

1/8"=1'-0" 0 4' 8' 16' 24'
3/16"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

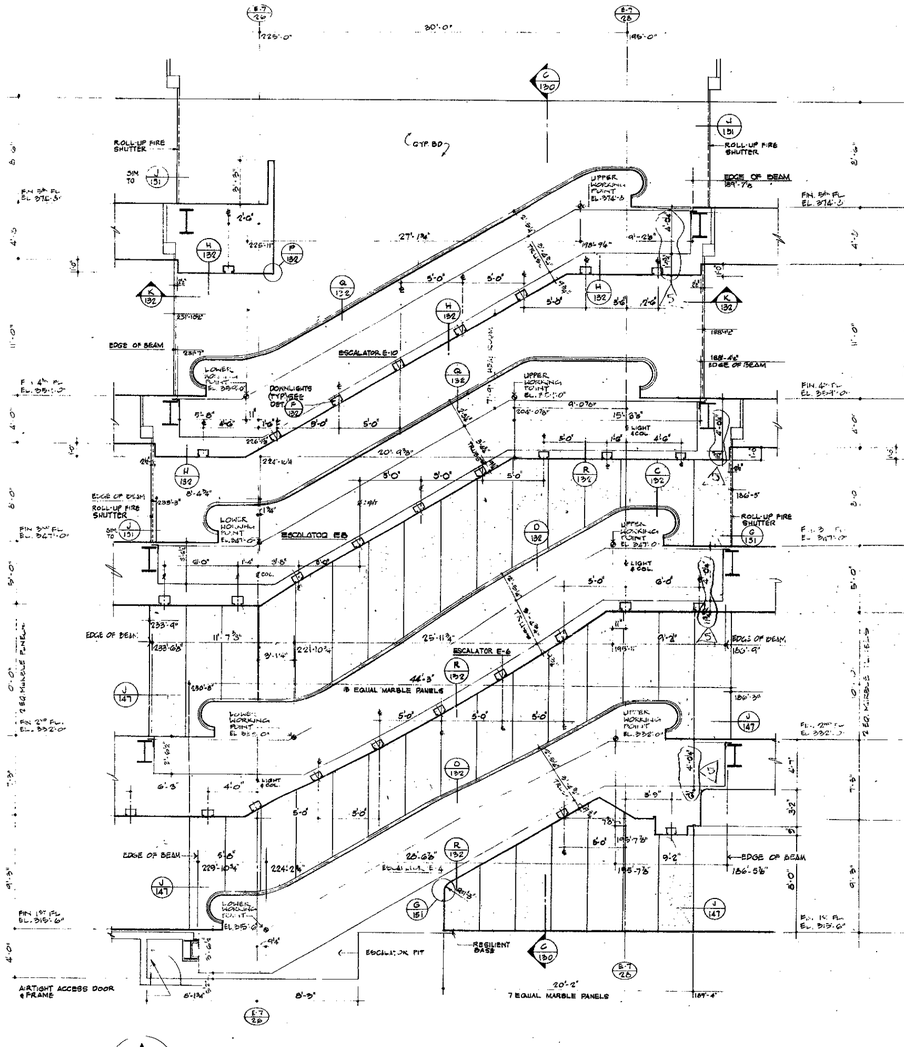
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

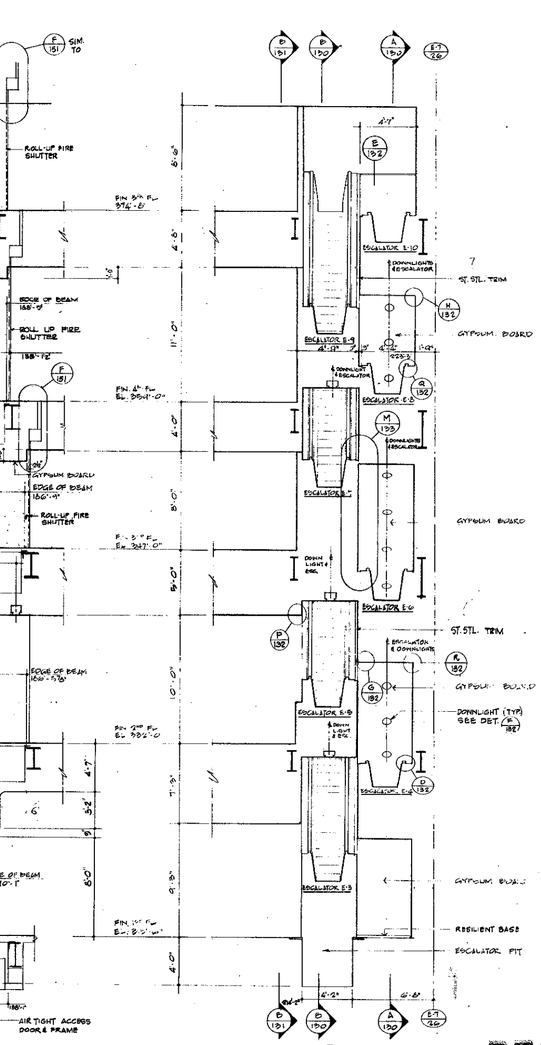
TITLE: NORTHEAST PLAZA BUILDING
CHURCH ST. LOBBY EL 327'-6"
PLAN, ELEVATIONS & REFLECTED CEILING PLAN

DRAWN	R.T.H.	CHECKED	
SCALE	1/4"=1'-0" AS SHOWN	DATE	7/28/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-129		

AE-130



SECTION **A** 430

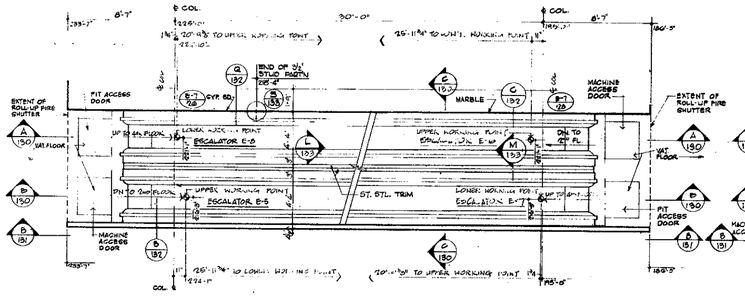


SECTION **B** 430

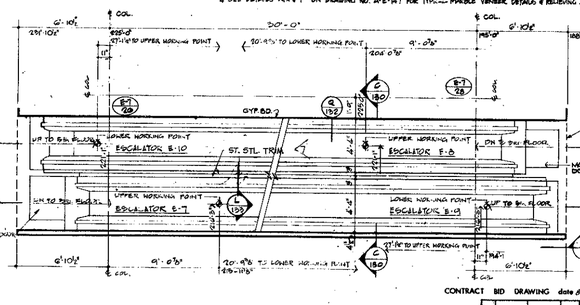
SECTION **C** 430

NOTES

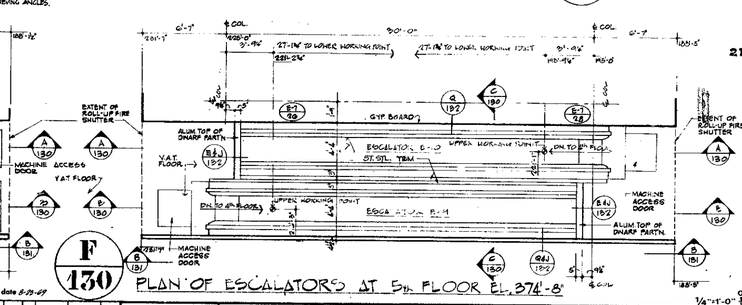
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2 & A-E-3
2-FOR FLOOR PLANS OF ESCALATORS AT 1ST & 4TH FLOORS SEE DWG A-E-125 & A-E-127
3-THE BOTTOM END OF THE TRUSS AND THE DRIP PAN OF ESCALATORS E-5 THRU E-10 SHALL BE EXTENDED & REINFORCED SO THAT THEY CAN BE USED AS PIT ACCESS FOR CLEANOUT.
4-SEE DETAILS H,I & T ON DRAWING NO. A-E-147 FOR TYPICAL MARBLE VENEER DETAILS & REVEWING ANGLES.



D 430 PLAN OF ESCALATORS AT 3RD FLOOR EL 347'-0"



E 430 PLAN OF ESCALATORS AT 4th FL. EL. 359'-0"



F 430 PLAN OF ESCALATORS AT 5th FLOOR EL. 374'-8"

CONTRACT BID DRAWING date 8-29-69

NO.	DATE	REVISIONS	SUB. NO.	BY
1	5-22-75	E-156		AC
2	10-6-78	E-192		LM
3	6-14-71	E-60		WH
4	5-27-70	E-10		TJ
5	4-18-70	E-5		RSB
6	11-28-69	E-1		ATH

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

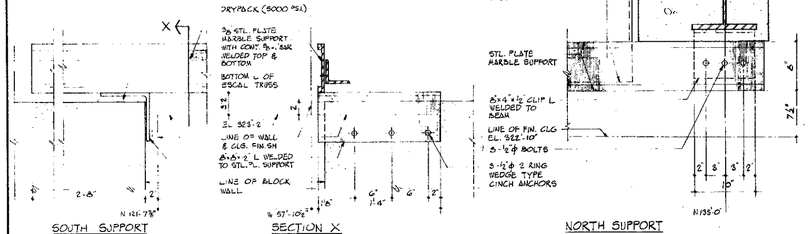
THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

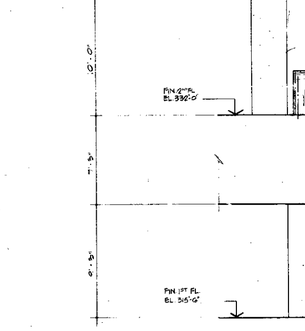
TITLE: NORTHEAST PLAZA BUILDING
ESCALATORS E-3 THRU E-10
PLANS & SECTIONS

DRAWN	MC	CHECKED	
SCALE	1/4"-1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-130		

RECEIVED
DEC 9 8 1969
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

HE-131

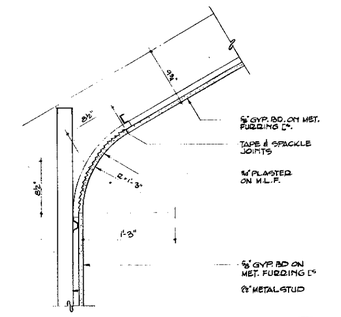




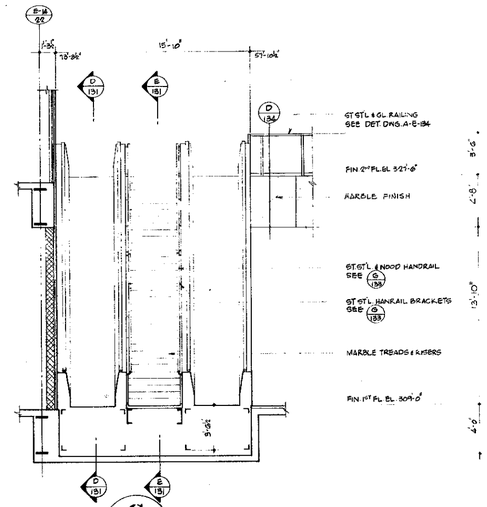
A 131 DETAILS OF STEEL PLATE MARBLE SUPPORT

SCALE: 1"=1'-0"
SEE ELEVATION 'E' ON DWG. A-E-126.

SECTION B 131

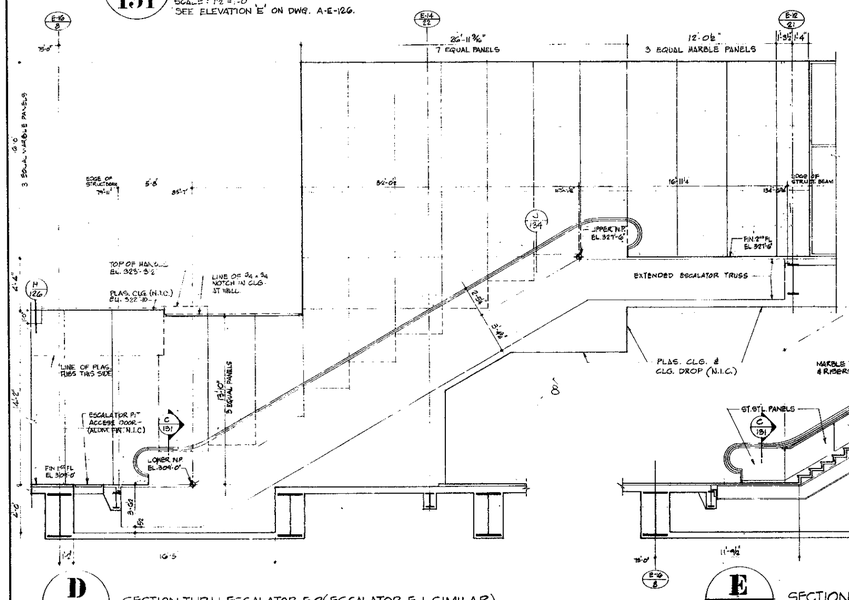


DETAIL AT ESCALATOR SOFFIT EL. 315'-6" G 131



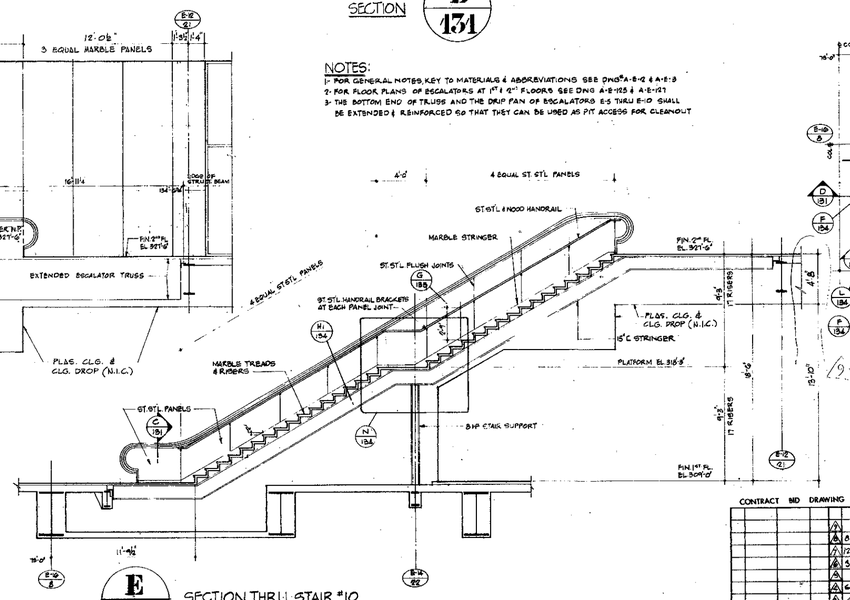
SECTION C 131

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG'S A-E-12 & A-E-3
2- FOR FLOOR PLANS OF ESCALATORS AT 1ST & 2ND FLOORS SEE DWG A-E-1125 & A-E-127
3- THE BOTTOM END OF TRUSS AND THE DRIP PAN OF ESCALATORS E-5 THRU E-10 SHALL BE EXTENDED & REINFORCED SO THAT THEY CAN BE USED AS PIT ACCESS FOR CLEANOUT

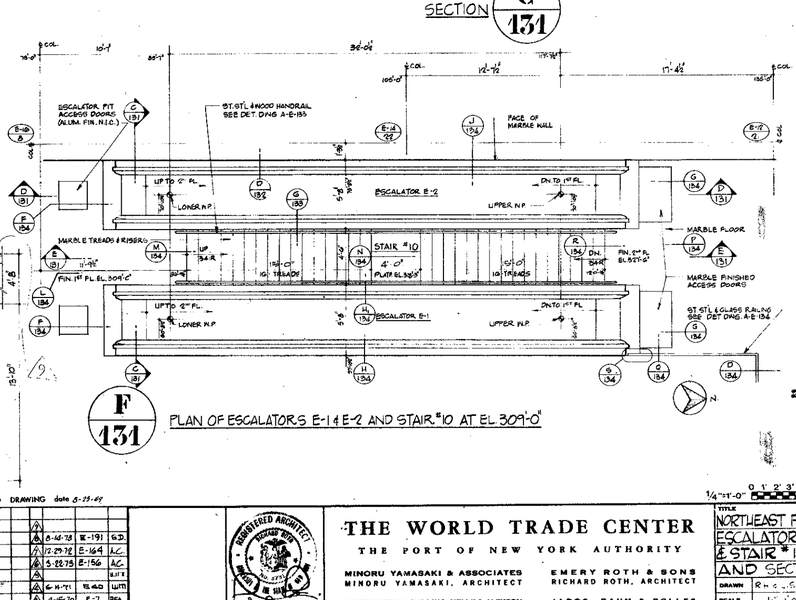


D 131 SECTION THRU ESCALATOR E-2 (ESCALATOR E-1 SIMILAR)

NOTE: SEE ELEVATION F ON A-E-129 FOR LOCATION OF MARBLE RELIEVING ANGLES.



E 131 SECTION THRU STAIR #10



F 131 PLAN OF ESCALATORS E-1 & E-2 AND STAIR #10 AT EL. 309'-0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 5-15-69

NO.	DATE	BUL. NO.	BY
4	6-16-78	E-191	G.D.
3	12-29-72	E-164	A.C.
2	5-28-75	E-150	A.C.
1			E.H.T.
6	6-11-71	E-140	W.H.
5	4-15-70	E-7	S.P.A.
4	4-15-70	E-5	L.W.
3	11-10-69	E-1	R.T.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

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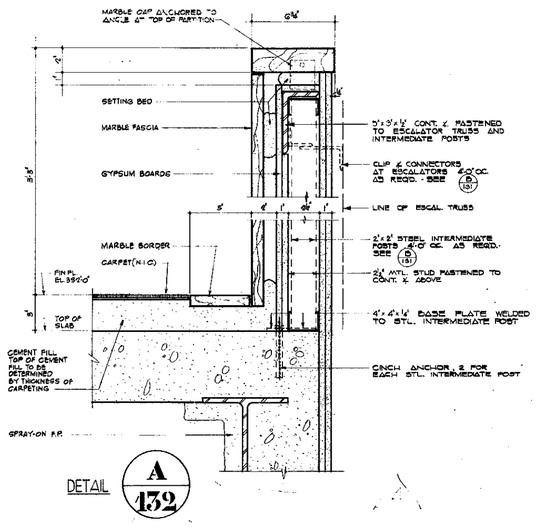
RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

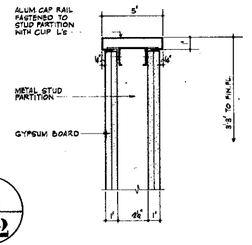
TITLE: NORTHEAST PLAZA BUILDING ESCALATORS E-1 THRU E-10 & STAIR #10 ELEVATIONS AND SECTIONS

DRAWN	CHECKED
SCALE 1/4"=1'-0"	DATE 7-28-69
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-E-131

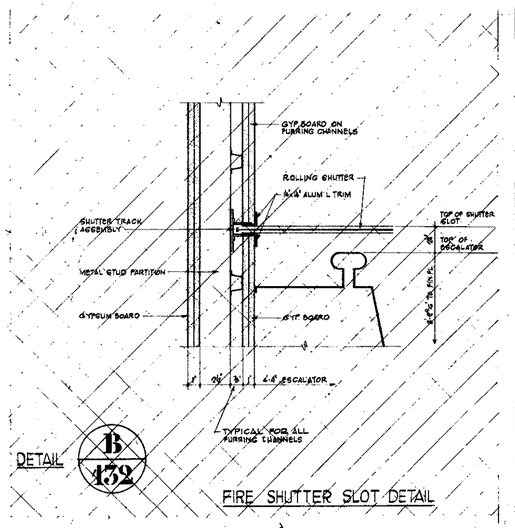
HE-132



DETAIL **A** 132

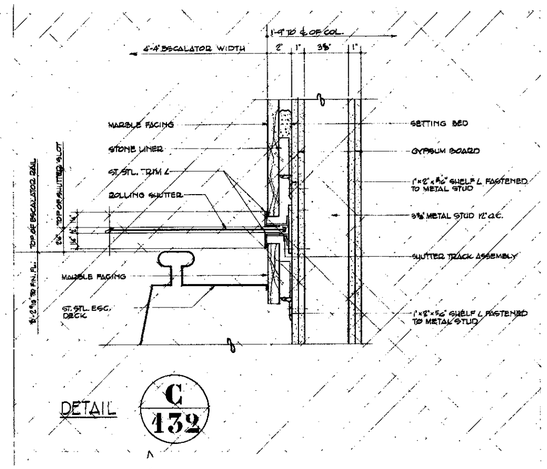


DETAIL **E** 132

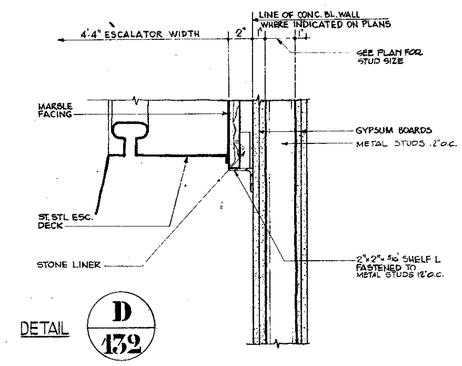


DETAIL **B** 132

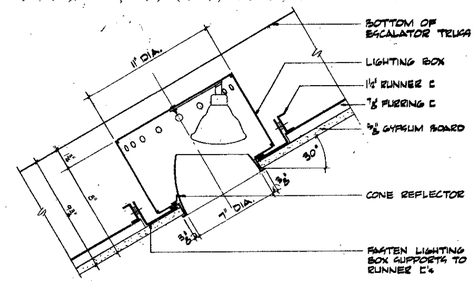
FIRE SHUTTER SLOT DETAIL



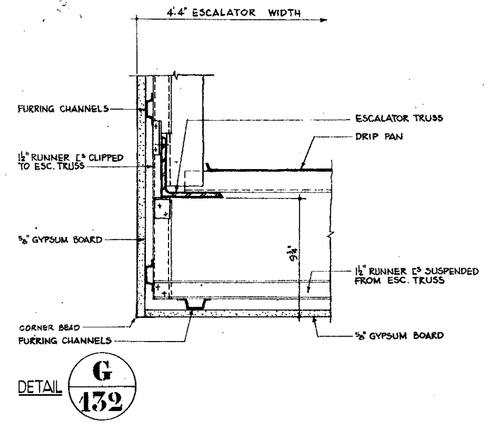
DETAIL **C** 132



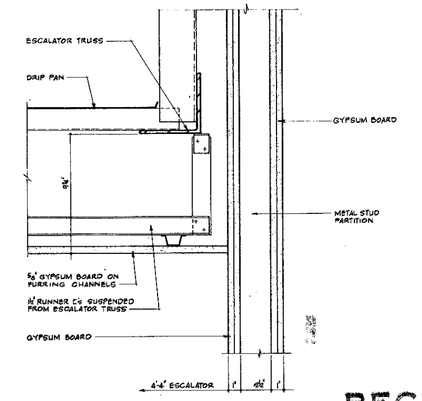
DETAIL **D** 132



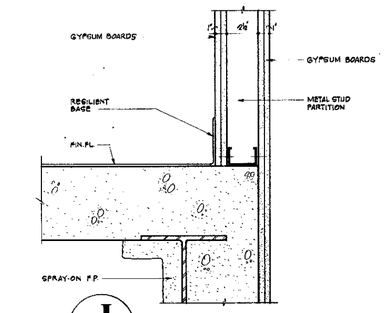
F 132 DETAIL OF DOWNLIGHTS AT UNDERSIDE OF ESCALATORS



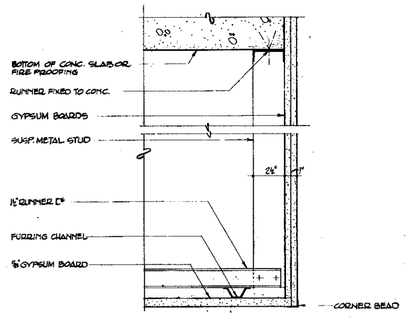
DETAIL **G** 132



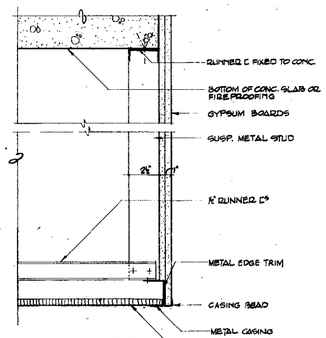
DETAIL **H** 132



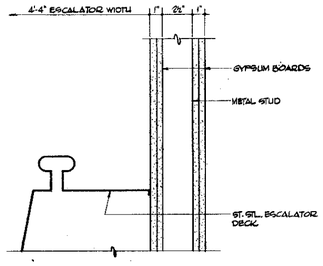
DETAIL **J** 132



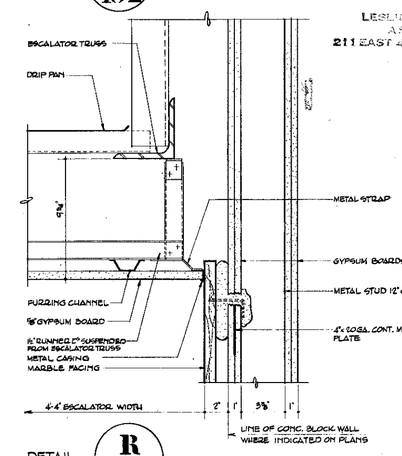
DETAIL **P** 132



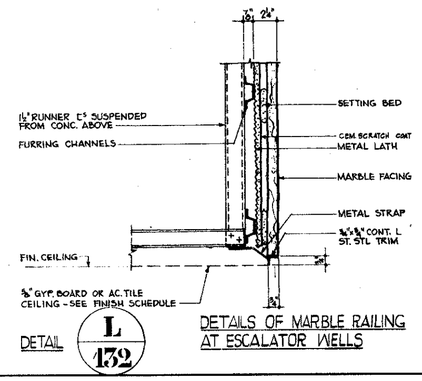
DETAIL **S** 132



DETAIL **Q** 132



DETAIL **R** 132



DETAIL **L** 132

DETAILS OF MARBLE RAILING AT ESCALATOR WELLS

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-25-69

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
4	6-16-71	10-40	WTH
3	4-18-70	E-5	RTH
2	11-26-69	E-1	RTH

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

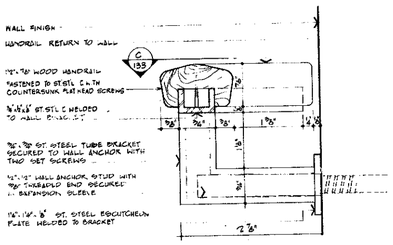
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

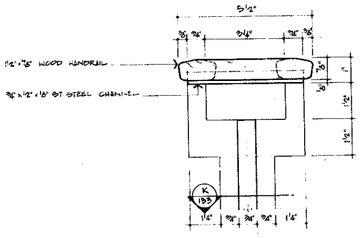
TITLE: NORTHEAST PLAZA BUILDING
ESCALATORS E-3 THRU E-10
DETAILS

DRAWN	P.E.D.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-132		

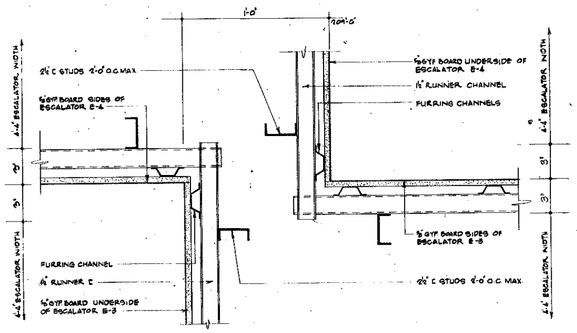
AE-133



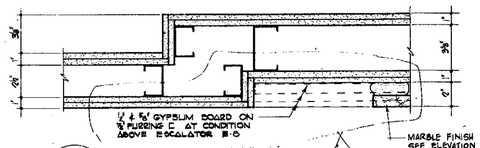
A 133 SECTION THRU HANDRAIL
SCALE: FULL SIZE



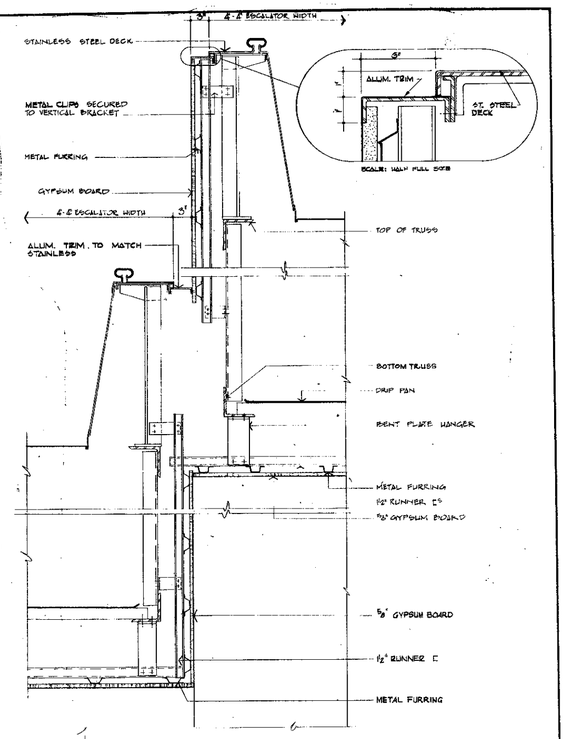
B 133 ELEVATION
SCALE: HALF SIZE

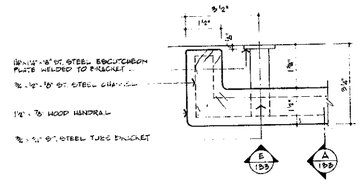


J 133 PLAN SECTION
SCALE: 3"=1'-0"

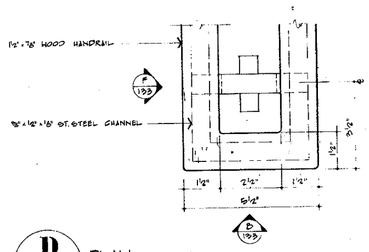


S 133 DETAIL OF WALL @ 3RD FLOOR
SCALE: 3"=1'-0"

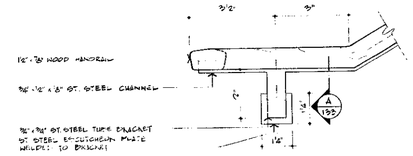




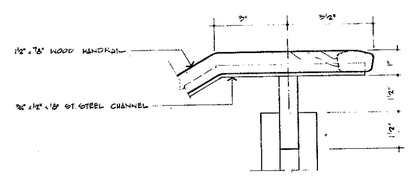
G 133 PLAN
SCALE: HALF SIZE



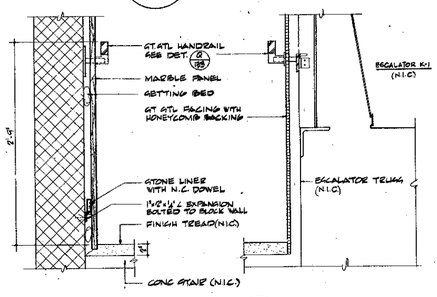
D 133 PLAN
SCALE: HALF SIZE



E 133 ELEVATION
SCALE: HALF SIZE



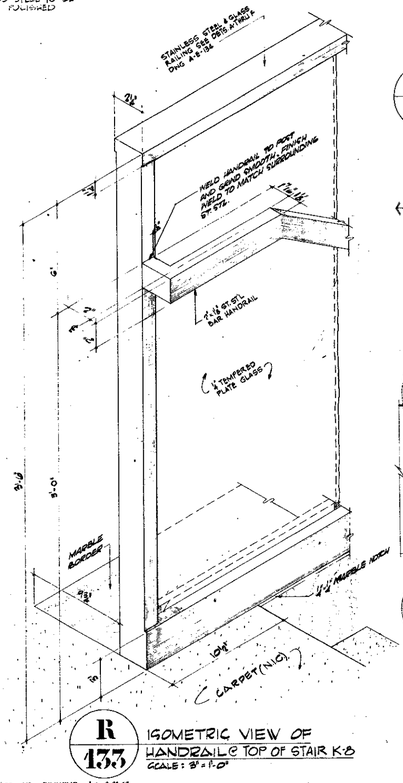
F 133 ELEVATION
SCALE: HALF SIZE



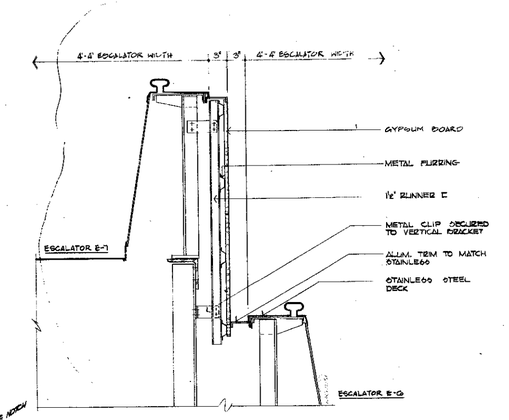
K 133 SECTION THRU RAIL POST
SCALE: FULL SIZE

N 133 HANDRAIL @ WALL SIDE OF STAIR K-8
SCALE: 1½"=1'-0"

P 133 HANDRAIL @ ESCALATOR SIDE OF STAIR K-8
SCALE: 1½"=1'-0"

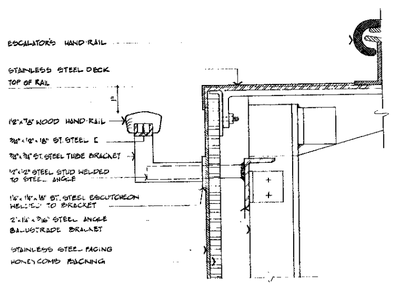


R 133 ISOMETRIC VIEW OF HANDRAIL @ TOP OF STAIR K-8
SCALE: 3"=1'-0"

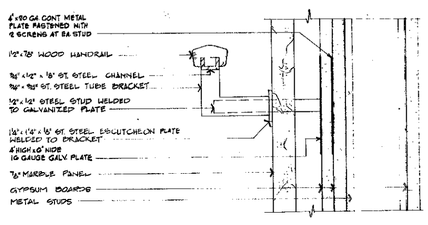


L 133 SECTION
SCALE: 1½"=1'-0"

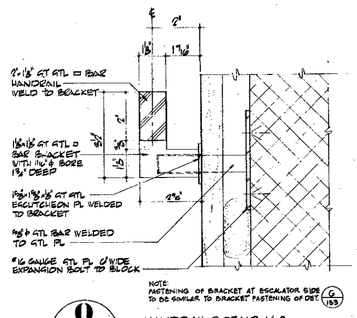
M 133 SECTION
SCALE: 1½"=1'-0"



G 133 SECTION
SCALE: HALF SIZE



H 133 SECTION
SCALE: HALF SIZE



Q 133 HANDRAIL @ STAIR K-8
SCALE: HALF SIZE

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DRG. A-E-2.4 A-E-2.5
2. ALL WELDS ON ST. STL. ARE TO BE GROUND SMOOTH AND MATCHING THE SURROUNDING ST. STL.

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DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

1½"-1'-0" 0 6" 1' 2'
3"-1'-0" 0 1" 2" 3" 4" 5" 6" 0

HANDRAIL DETAILS

CONTRACT BID DRAWING date 8-22-69

NO.	DATE	SUB. NO.	BY
3	6-11-71	E-40	MITTI
2	4-28-70	E-5	LAN
1	11-26-69	E-1	RTM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

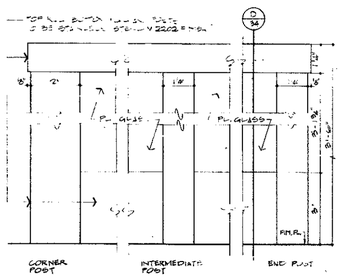
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
MECHANICAL ENGINEERS
JAROS, BAUM & BOLLES
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

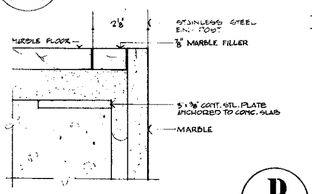
TITLE: NORTHEAST PLAZA BUILDING
ESCALATOR & HANDRAIL DETAILS

DRAWN	J.G.C.	CHECKED	
SCALE	AS NOTED	DATE	7/28/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-133		

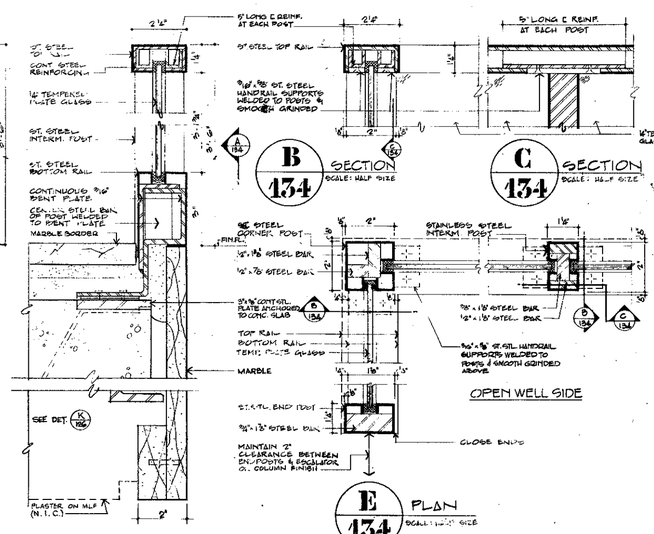
AE-134



A 134 ELEVATION
SCALE: HALF SIZE



A1 134 SECTION
SCALE: HALF SIZE

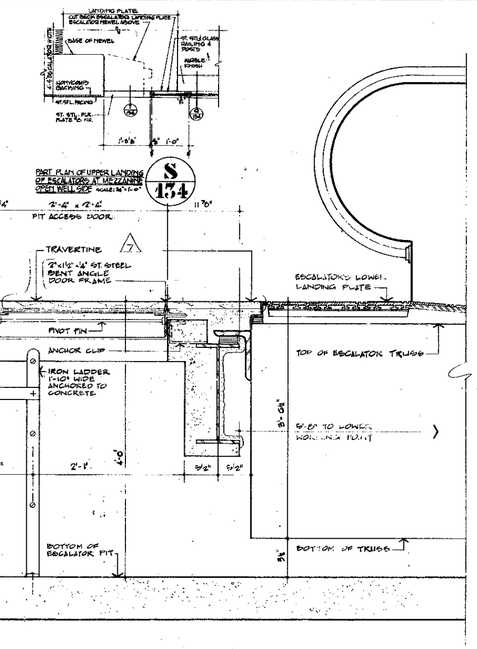


B 134 SECTION
SCALE: HALF SIZE

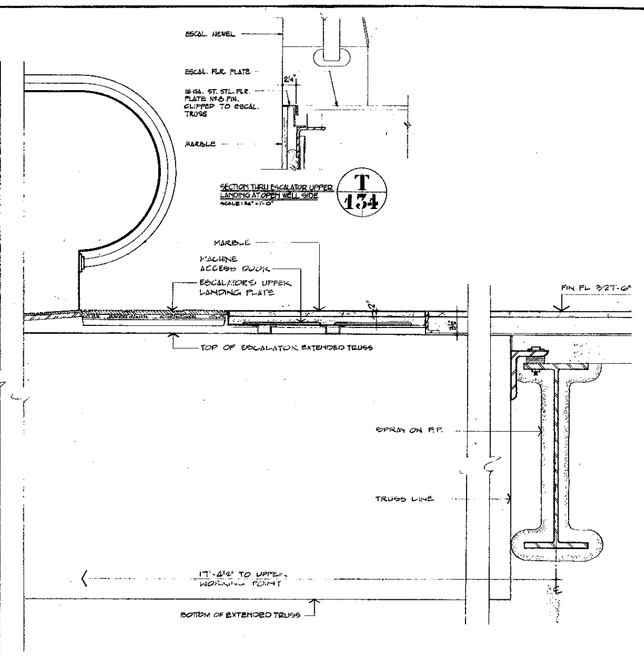
C 134 SECTION
SCALE: HALF SIZE

E 134 PLAN
SCALE: HALF SIZE

D 134 SECTION
SCALE: HALF SIZE



S 134 PART PLAN OF UPPER LANDING OF ESCALATORS AT MEZZANINE OVER WELL SIDE
SCALE: ¾"=1'-0"

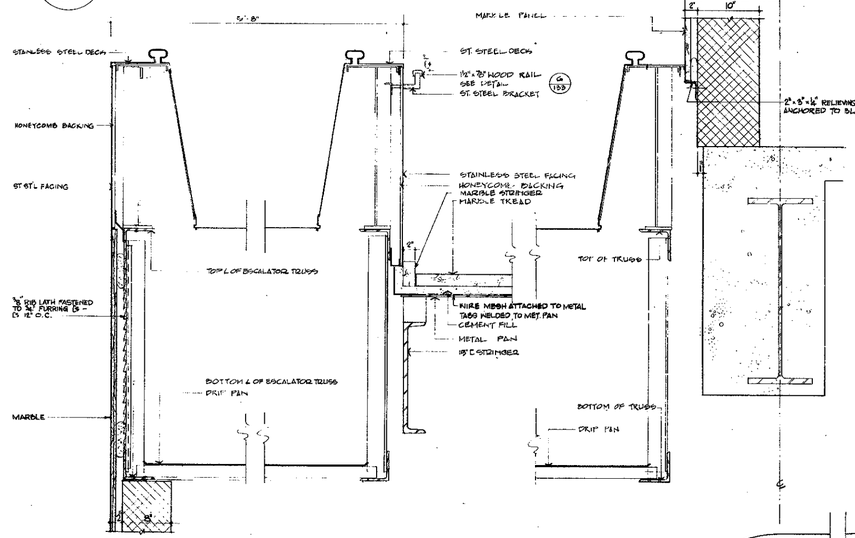


T 134 SECTION THRU ESCALATOR UPPER LANDING AT OPEN WELL SIDE
SCALE: ¾"=1'-0"

F 134 SECTION THRU LOWER ESCALATOR LANDING

G 134 SECTION THRU UPPER ESCALATOR LANDING

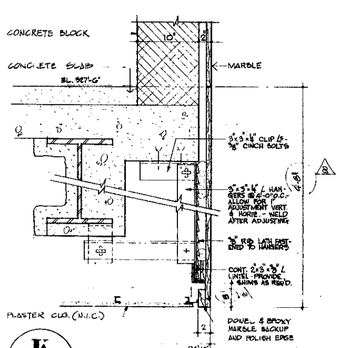
RAILING DETAILS



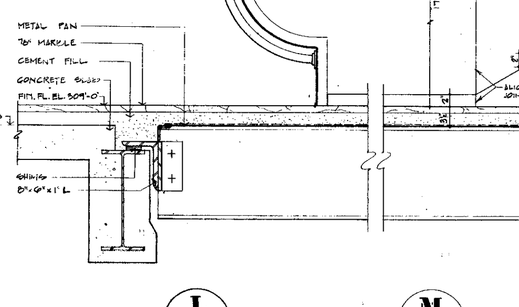
H 134

H1 134

J 134

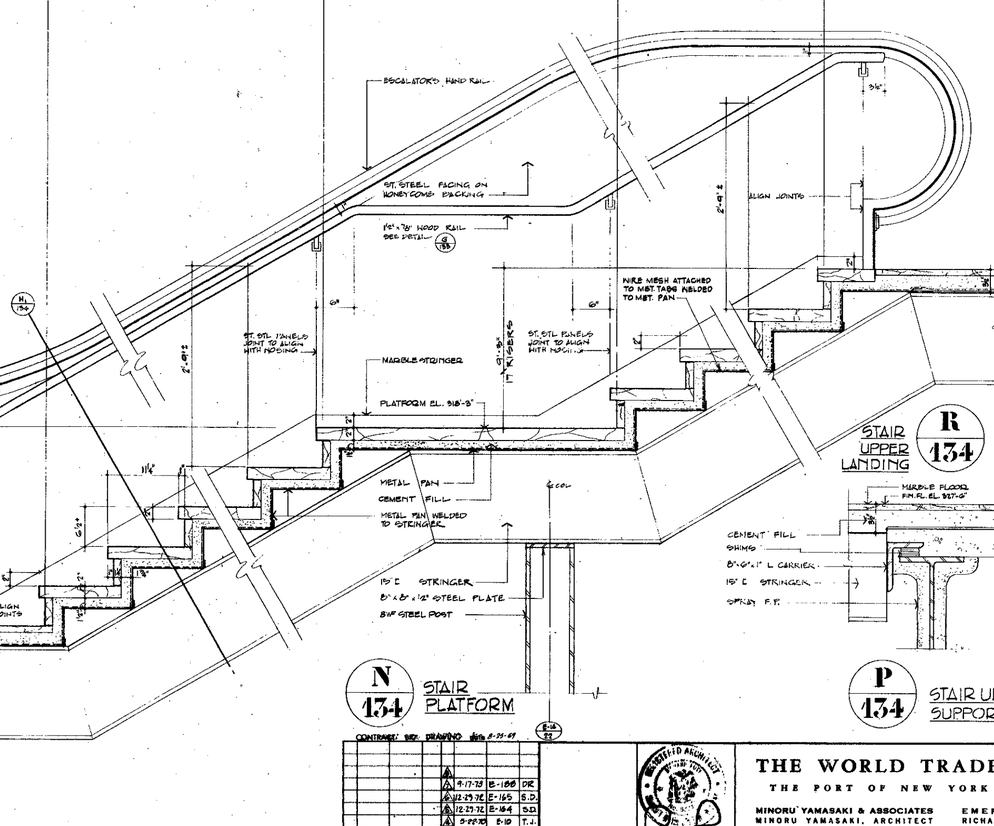


K 134

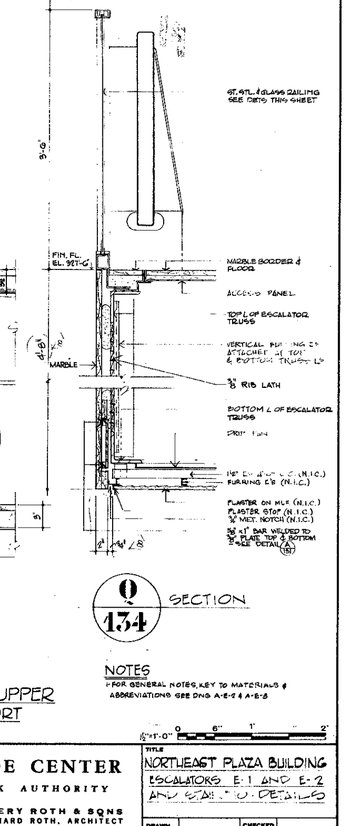


L 134 STAIR LOWER SUPPORT

M 134 STAIR LOWER LANDING



N 134 STAIR PLATFORM



O 134 SECTION

P 134 STAIR UPPER SUPPORT

R 134 STAIR UPPER LANDING

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2 & A-E-3

6"=1'-0" 0 6" 1' 2'

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

CONTRACT NO. DRAWING NO. date 8-15-69

NO.	DATE	SUB. NO.	BY
1	9-17-73	E-166	DR
2	12-13-76	E-165	S.D.
3	12-23-76	E-164	S.D.
4	5-22-80	E-10	T.J.
5	4-8-70	E-7	RZA
6	4-16-70	E-5	RZA
7	11-18-69	E-1	RZA

REVISIONS

REGISTERED ARCHITECT

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

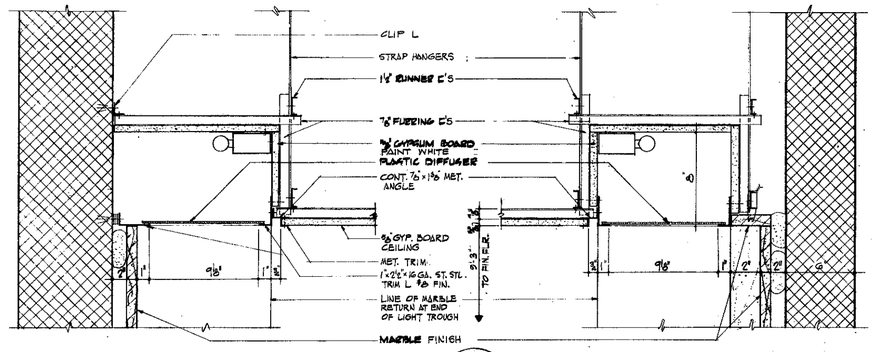
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

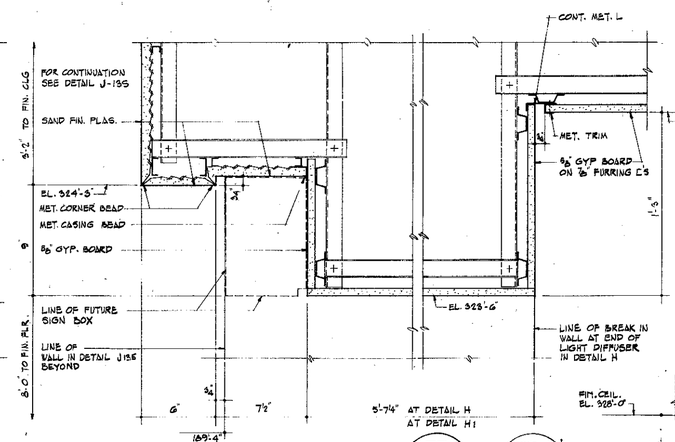
TITLE
NORTHEAST PLAZA BUILDING
ESCALATORS E-1 AND E-2
AND STAIR "O" DETAILS

DRAWN		CHECKED	
SCALE	1½"=1'-0" & 3/4" SHOWN	DATE	7-28-69
PROJECT NUMBER		SHEET	OF

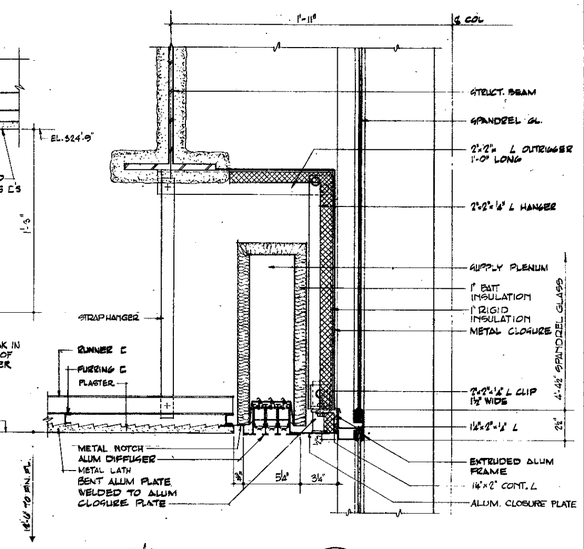
DRAWING NUMBER A·E·134

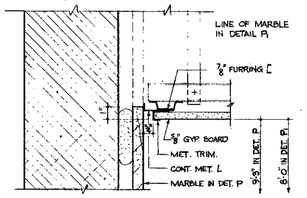


A/135 CEILING DETAIL AT LIGHT TROUGH

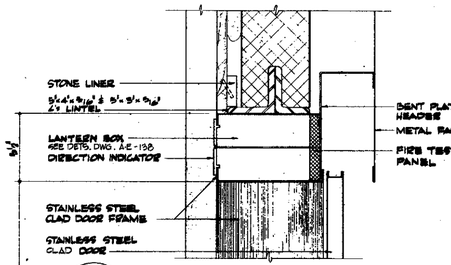


DETAIL H/135 & H1/135

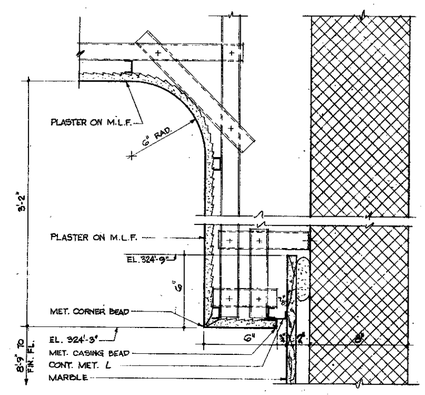




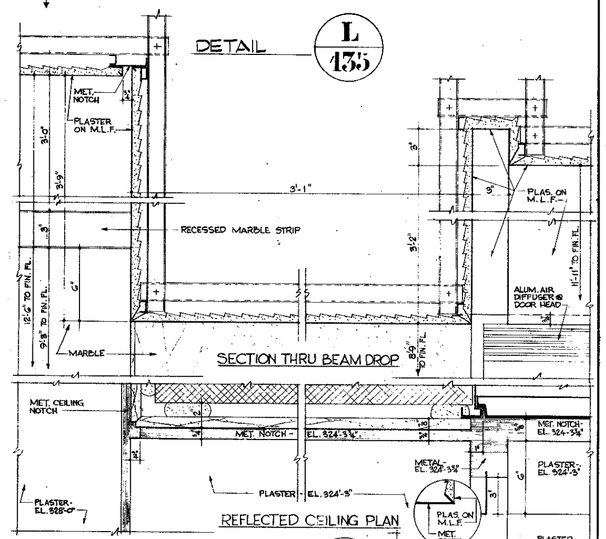
P/135 P1/135 SECTION AT CEILING NOTCH



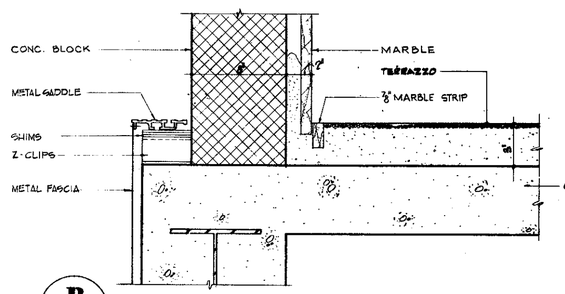
E/135 SECTION THRU HEAD



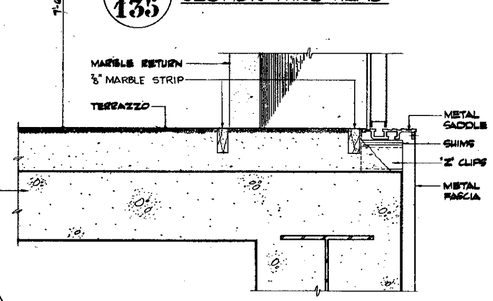
DETAIL J/135



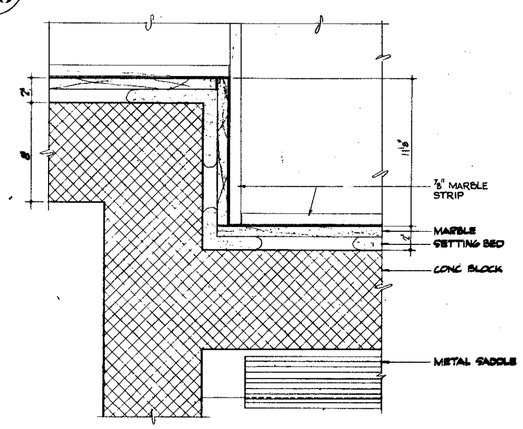
DETAIL L/135



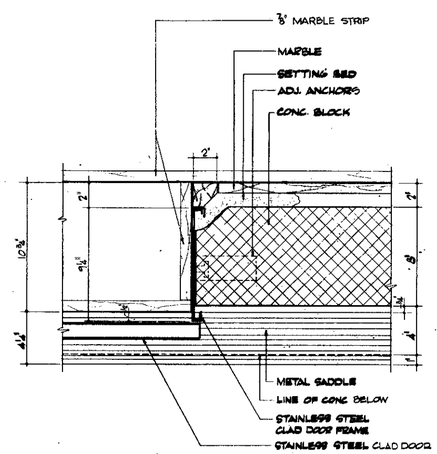
B/135 SECTION AT BASE OF MARBLE WALL



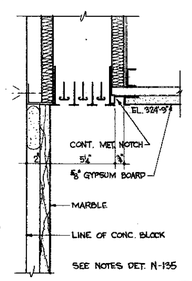
F/135 SECTION THRU ELEV. DOOR SILL



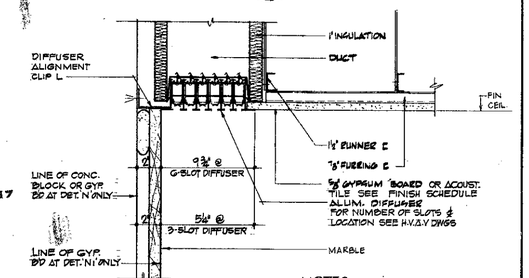
C/135 DETAIL AT WALL RETURN



G/135 DETAIL AT ELEV. DOOR JAMB



DETAIL K/135



DETAIL N/135 & N1/135

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

NOTES
1-FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2.4 A-E-2.5

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 4-27-87

NO.	DATE	SUB. NO.	BY
2	6-23-78	E-135	SD
3	6-11-76	E-108	SD
4	10-19-78	E-47	W.T.
5	4-13-70	E-7	A.W.
6	1-28-91	E-1	R.F.S.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
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WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

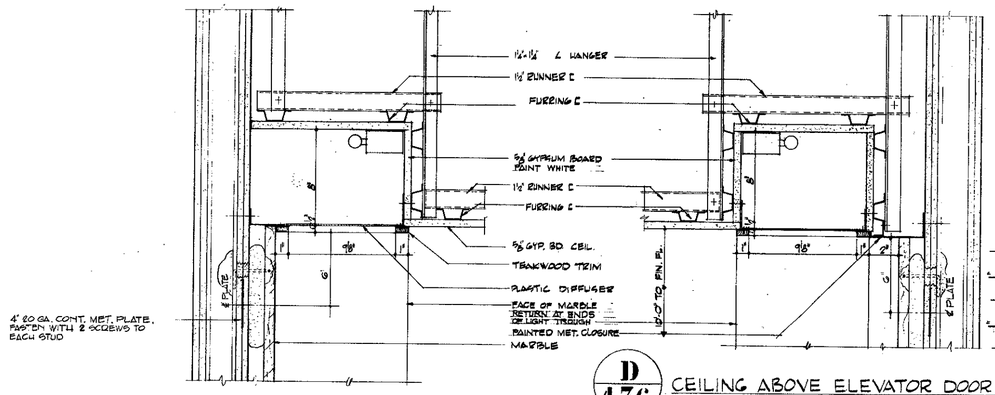
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

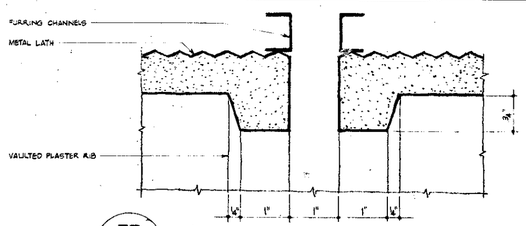
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 8" 1'

TITLE: NORTHEAST PLAZA BUILDING
VESEY STREET LOBBY (EL. 315'-6") DETAILS

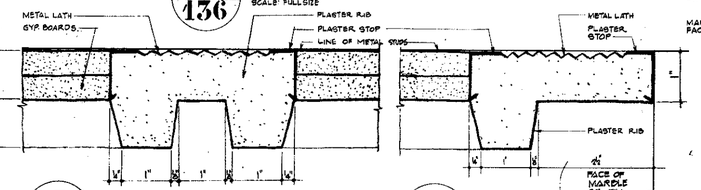
DRAWN	J.M.C.	CHECKED	
SCALE	3"=1'-0"	DATE	7-28-89
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·135		



A 136 CEILING DETAIL AT ELEVATOR LOBBY

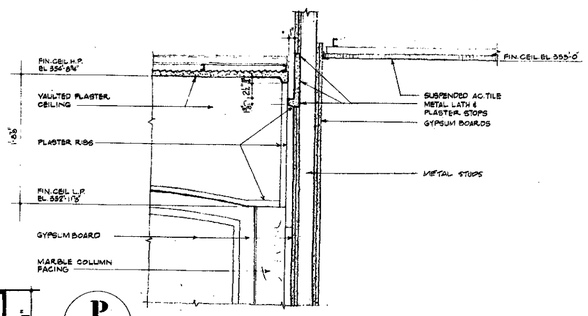


H 136 PLASTER, VAULTED CEILING RIBS
SCALE: FULL SIZE

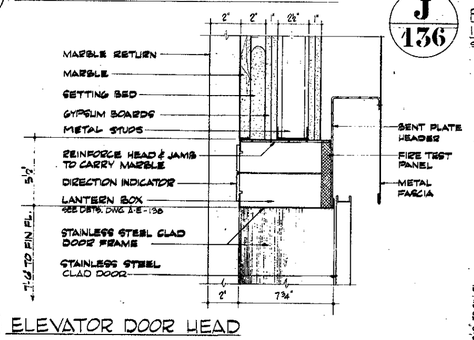


J 136 PLASTER WALL RIBS INTERMEDIATE
SCALE FULL SIZE

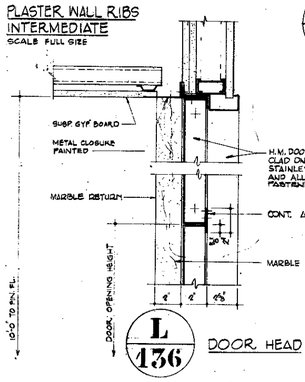
K 136 PLASTER, WALL RIBS PERIMETER.
SCALE: FULL SIZE



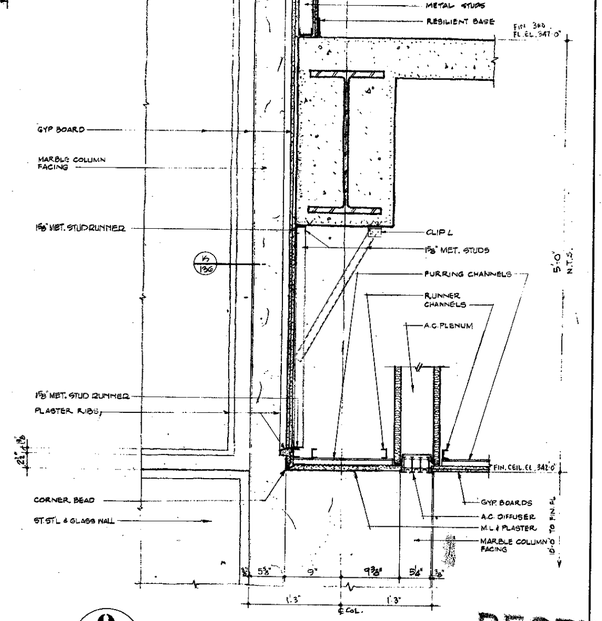
P 136 SECTION THRU HIGH CEILING
SCALE: 1½"=1'-0"



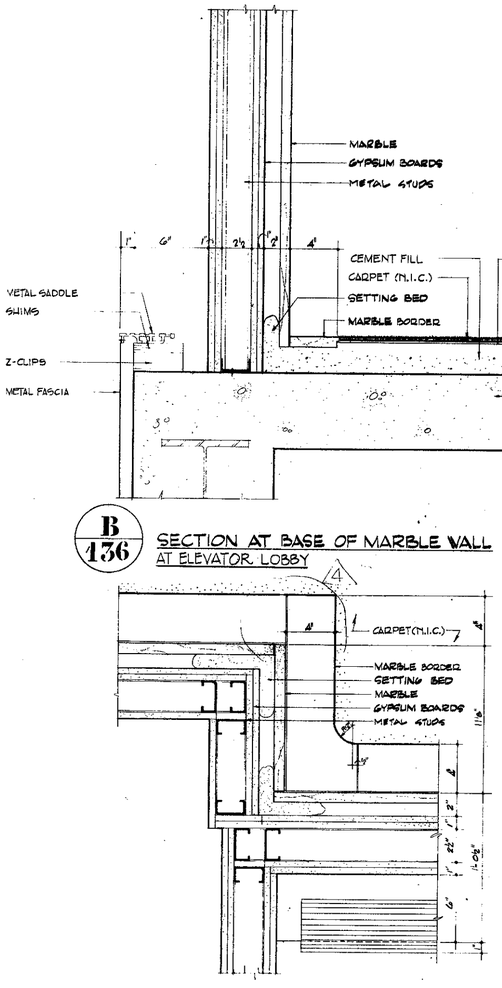
E 136 ELEVATOR DOOR HEAD



L 136 DOOR HEAD (L-1/136)

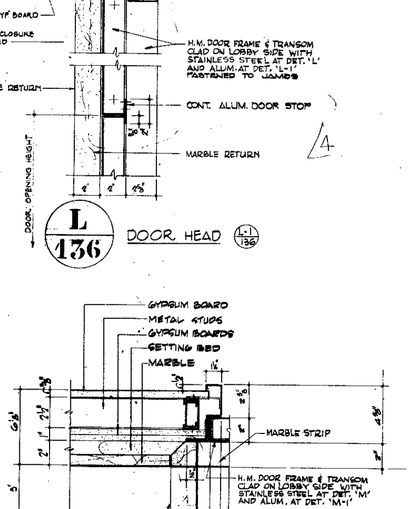


Q 136 SECTION THRU LOW CEILING
SCALE: 1½"=1'-0"



B 136 SECTION AT BASE OF MARBLE WALL AT ELEVATOR LOBBY

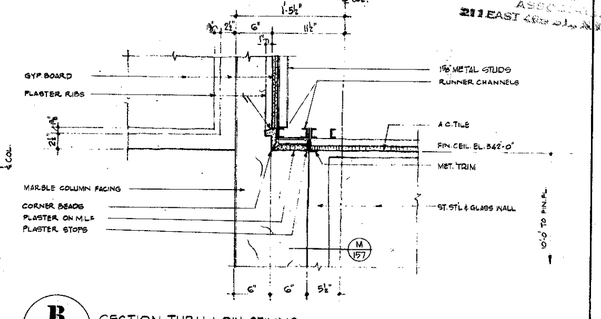
F 136 ELEVATOR DOOR SILL



M 136 DOOR JAMB (M-1/136)

N 136 REFLECTED CEIL PLAN AROUND FREESTANDING COLS
SCALE: 1½"=1'-0"

G 136 ELEVATOR DOOR JAMB



R 136 SECTION THRU LOW CEILING AT EAST WALL
SCALE: 1½"=1'-0"

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG A-8-01 & A-8-3

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
4	10-8-76	E-47	G.A.
3	10-6-72	E-48	L.T.
2	5-17-71	E-10	T.J.
1	4-15-70	E-7	A.M.
0	11-26-69	E-1	G.A.

REVISIONS

CONTRACT BID DRAWING date 8-15-69

APPROVED

CHIEF, PLANNING DIVISION
DATE

RECEIVED
DEC 28 1970
LESLIE E. ROBERTSON ASSOCIATION
211 EAST 43rd ST., N.Y.C. 10017

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

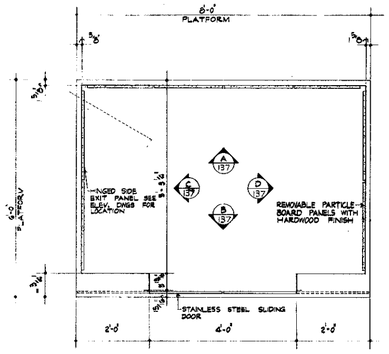
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

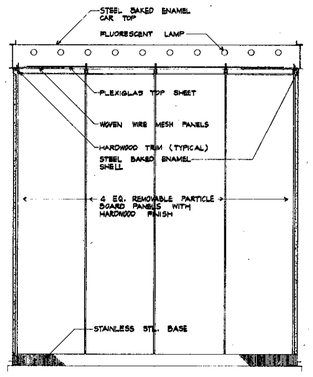
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING SECOND FLOOR EL 332'-0" LOBBY DETAILS

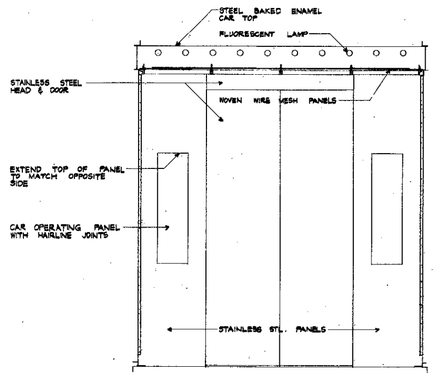
DRAWN	J.M.G.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-136		



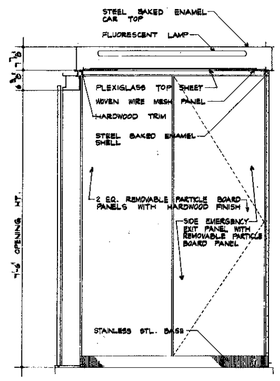
PLAN PASSENGER ELEVATOR CAB (TYPICAL)



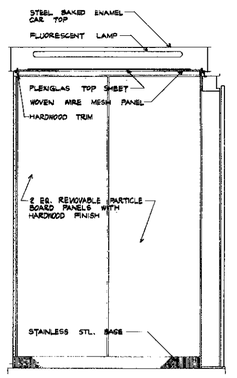
ELEVATION A 137



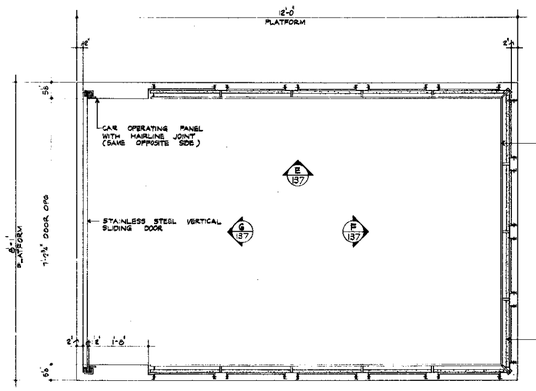
ELEVATION B 137



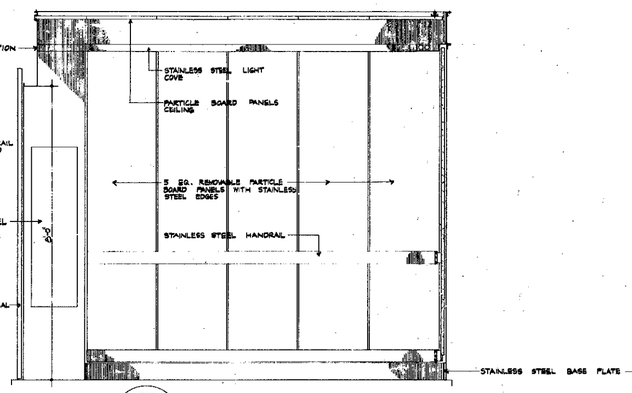
ELEVATION C 137



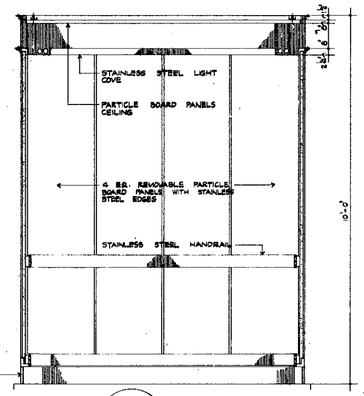
ELEVATION D 137



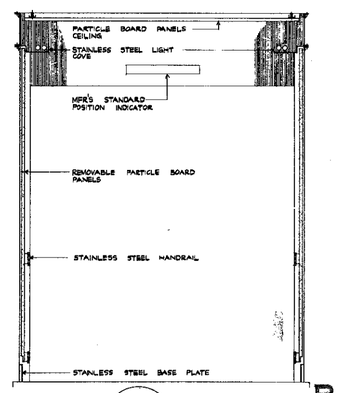
PLAN SERVICE ELEVATOR CAB (TYPICAL)



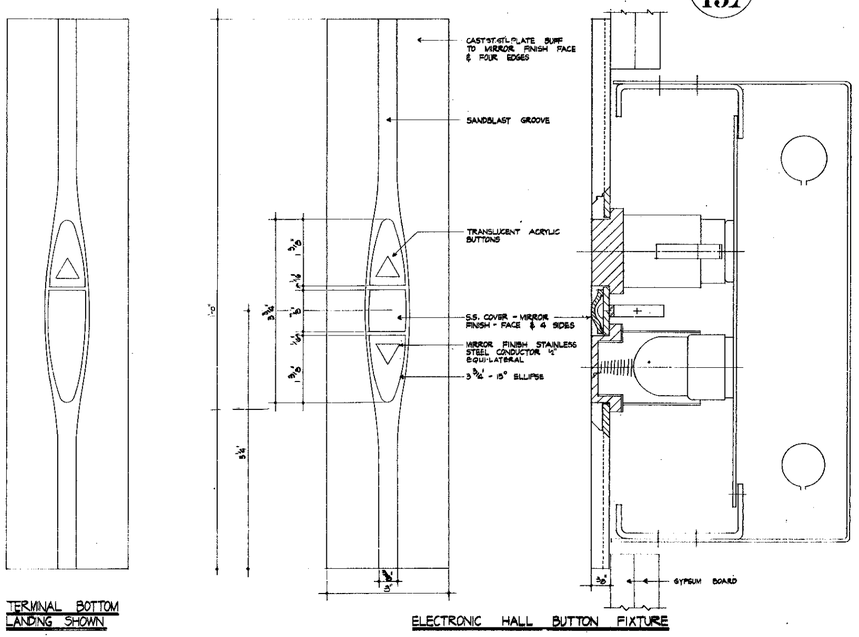
ELEVATION E 137



ELEVATION F 137

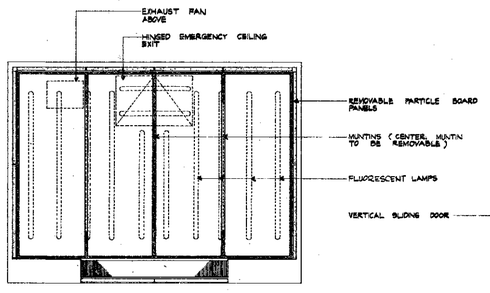


ELEVATION G 137

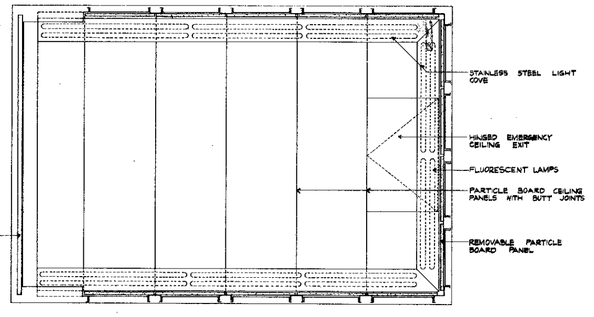


TERMINAL BOTTOM LANDING SHOWN

ELECTRONIC HALL BUTTON FIXTURE



REFLECTED CEILING PLAN PASSENGER ELEVATOR CAB (TYPICAL)



REFLECTED CEILING PLAN SERVICE ELEVATOR CAB (TYPICAL)

NOTES
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-2 & A-E-3

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	REVISIONS	BY

NO.	DATE	REVISIONS	BY
△	11-26-69	E-1	CAA

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

3/4"=1'-0" 6" 1' 2' 3' 4'

TITLE: NORTHEAST PLAZA BUILDING
ELEVATOR CAB PLANS ELEVATIONS & DETAILS

DRAWN	N.B.	CHECKED	
SCALE	3/4" = 1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-137		

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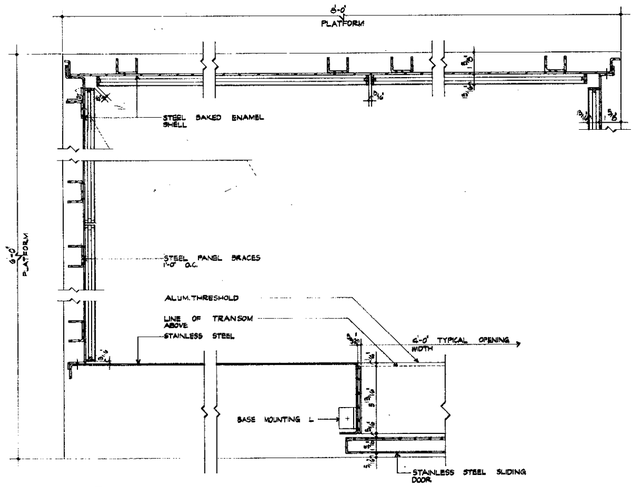
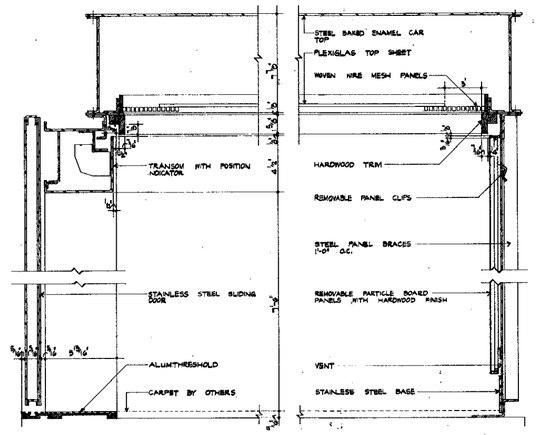
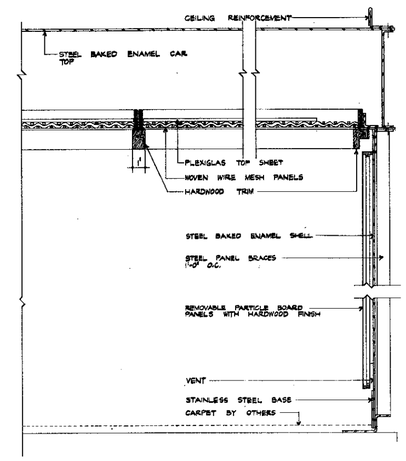
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017



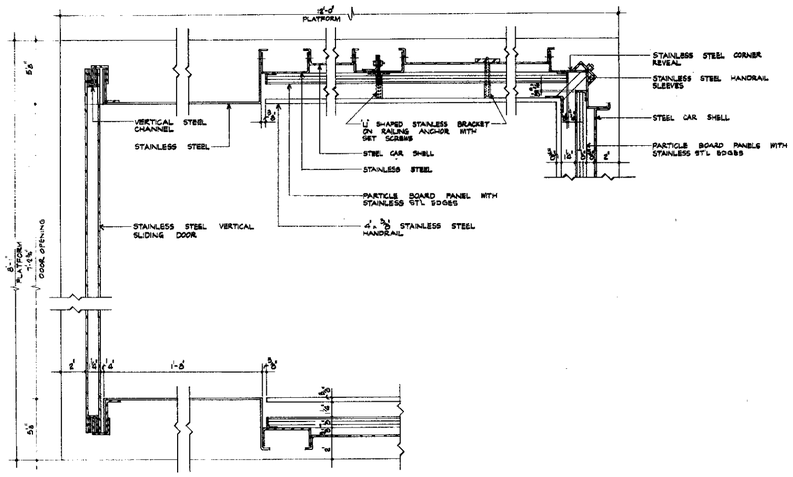
A 138 PLAN DETAIL OF PASSENGER ELEVATOR CAB



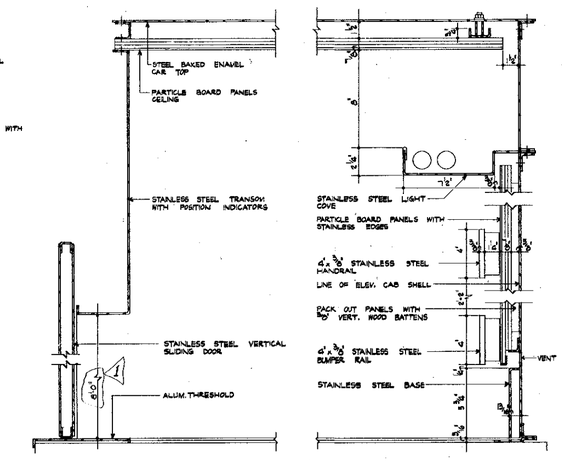
B 138 SECTION THROUGH PASSENGER ELEVATOR CAB



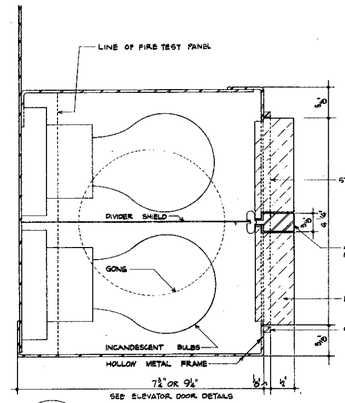
C 138 SECTION THROUGH SIDE OF PASSENGER ELEVATOR CAB



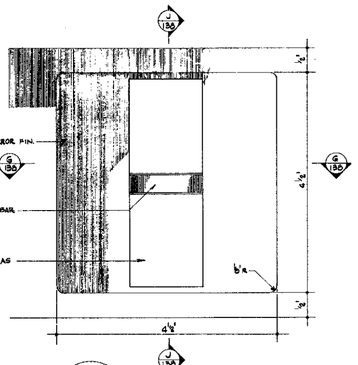
D 138 PLAN DETAIL OF SERVICE ELEVATOR



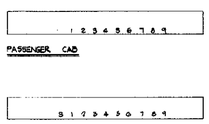
E 138 SECTION THROUGH SERVICE ELEVATOR



J 138 SECTION THROUGH HALL LANTERN SCALE: FULL SIZE

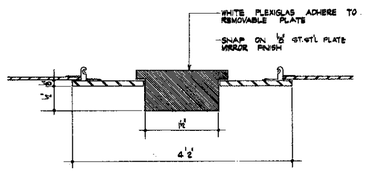


K 138 ELEVATION HALL LANTERN SCALE: FULL SIZE

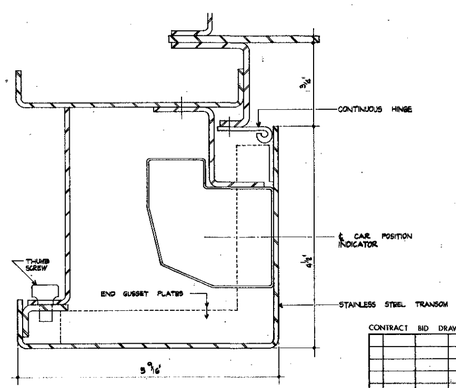


NOTE: GRAPHICS BY OWNER

F 138 CAB HEAD INDICATORS



G 138 SECTION THROUGH HALL LANTERN SCALE: FULL SIZE



H 138 SECTION THROUGH POSITION INDICATOR SCALE: FULL SIZE

NOTES
1 FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. A-E-2 & A-E-3

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LESLIE E. ROBERTSON ASSOCIATES
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3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'
1"=1'-0" 0 3" 6" 9" 1' 2' 3'

CONTRACT BID DRAWING date 6-15-69

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS
			2	10-6-75	E.AE. LJT

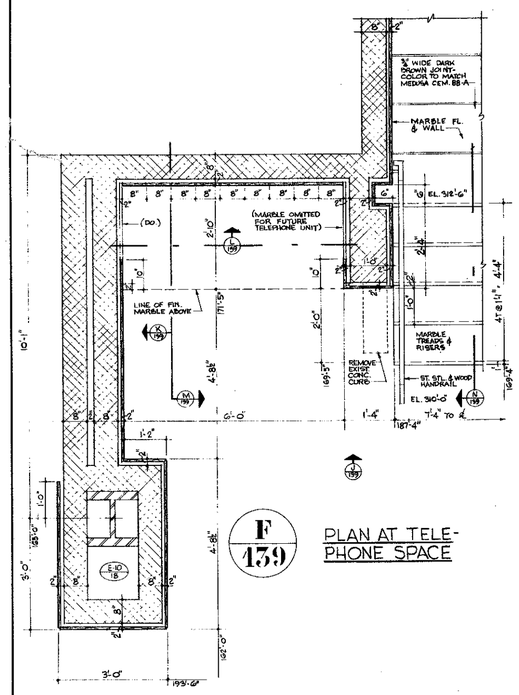
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

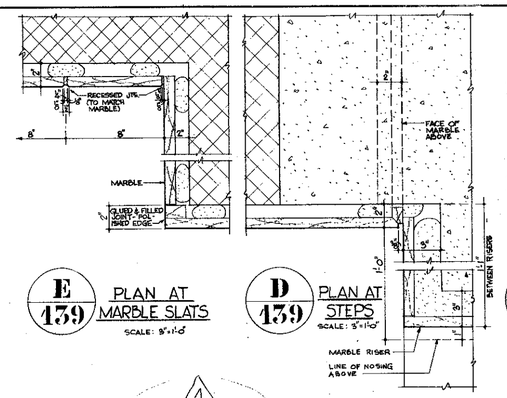
MINORU YAMASAKI & ASSOCIATES — ARCHITECT
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — ARCHITECT
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING ELEVATOR CAB DETAILS

DRAWN	N.S.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A.E.138		

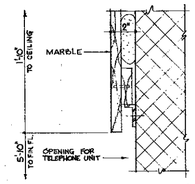


F 139 PLAN AT TELEPHONE SPACE

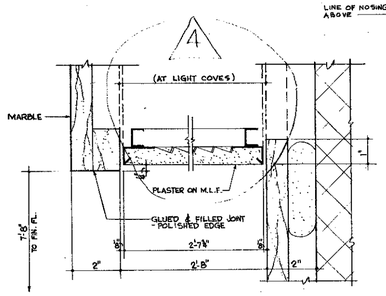


E 139 PLAN AT MARBLE SLATS
SCALE: 3"=1'-0"

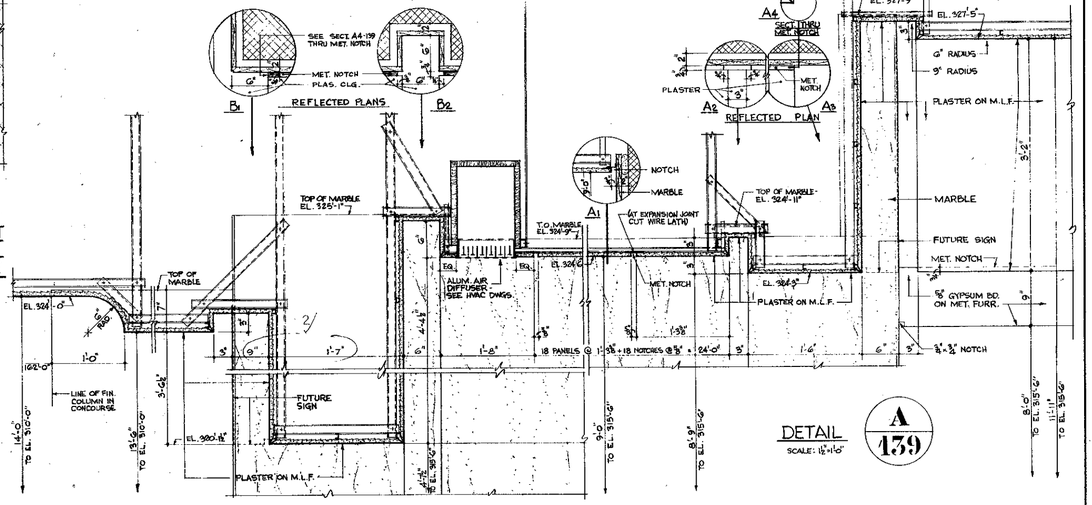
D 139 PLAN AT STEPS
SCALE: 3"=1'-0"



C 139 SECTION AT OPENING IN MARBLE
SCALE: 3"=1'-0"

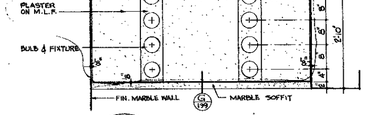


G 139 DETAIL AT PLASTER SOFFIT
SCALE: HALF SIZE

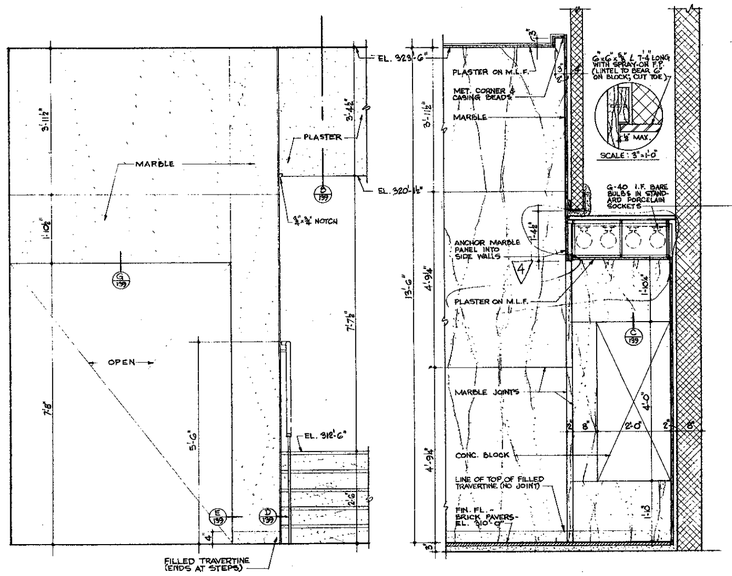


DETAIL A 139
SCALE: 1½"=1'-0"

DETAIL B 139 SECTION THRU CEILING BETWEEN CONCOURSE LEVEL AND VESEY STREET LOBBY
SCALE: 1½"=1'-0"

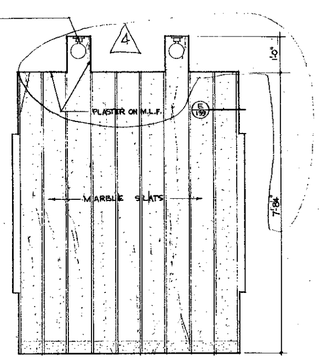


H 139 TELEPHONE SPACE REFLECTED CEILING PLAN

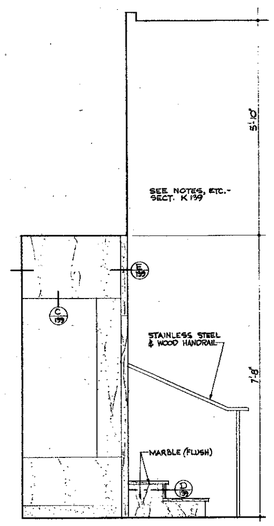


J 139 ELEVATION AT STEPS

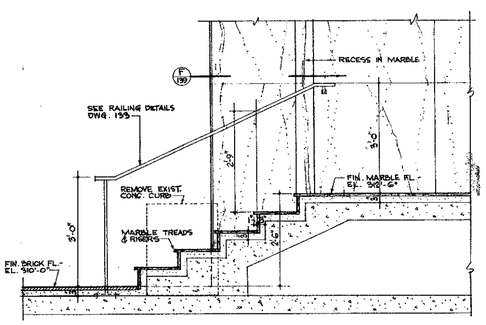
K 139 SECTION THRU TELEPHONE SPACE



L 139 ELEV. OF REAR WALL OF TEL. SPACE



M 139 SIDE ELEV. OF STEPS



N 139 SECTION THRU STEPS

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DEC 2 8 1990
LESLIE E. R[illegible]SON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

¾"=1'-0" 0 6" 1' 2' 3'
1½"=1'-0" 0 3" 6" 1' 2'

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date

NO.	DATE	BUL. NO.	BY
2	12-29-72	E-164	S.D.
1	5-22-73	E-157	AC.
1	7-31-72	E-137	S.D.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

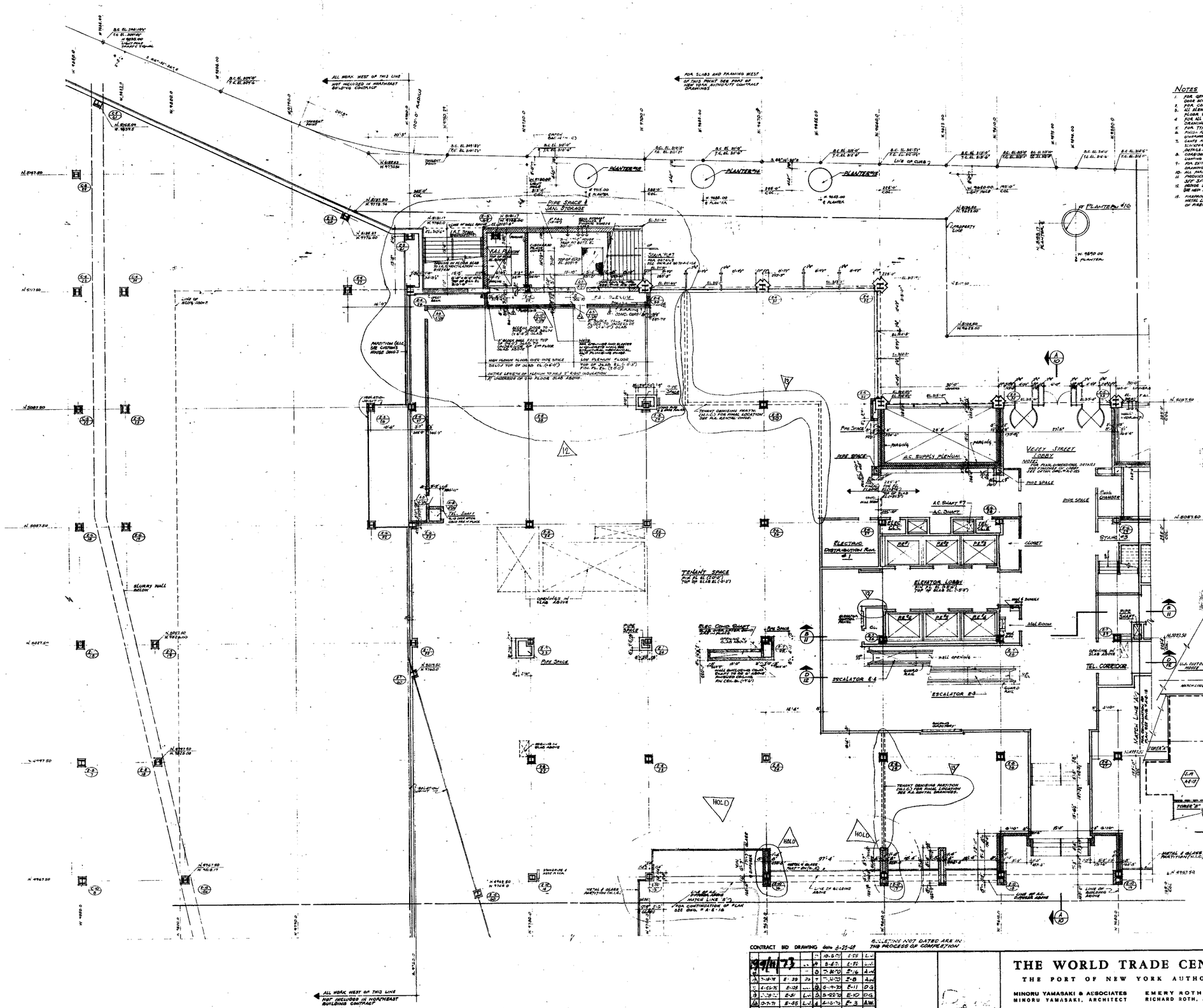
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
VESEY STREET LOBBY
DETAILS @ EL. 310'-0" & 315'-6"

DRAWN	S.D.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	5-11-72
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-139		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-1.00 TO A-1.9
2. FOR COMPLETE STAIR CORE PLAN SEE DRAWING A-4.01.00.
3. ALL ELEVATIONS SHOWN THUS (310'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 100'-0".
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-4.01.00.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (U.O.N.) UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS REQUIRED ON ALL FLOOR CONSTRUCTION SHALL BE RADIAL DIMENSIONS IN SLOPING SHAFTS AND SHALL BE MEASURED 90° FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. CORE, SHAFT AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
9. FOR EXITS AND SUBDIVISION BY TENANT SPACE SEE TENANT ARCHITECTS' DRAWINGS.
10. ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT.
11. PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES. SEE SPRINKLER DWGS FOR LOCATION.
12. REFUSE LOADS LIMITED OVER ALL DUCTS FROM THIS MACHINERY HANGS (SEE MECH. DWG)
13. FIREPROOF DUCTS BETWEEN TENANCIES WITH 2" GEMKRETE LAYERS OF METAL LATH & 1" FIBERGYPSUM PLASTER AS USED TO DUCTS. FOR EXTENT OF FIREPROOFING SEE MECHANICAL DRAWINGS.

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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-22-68

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
	9/9/71		
7-18-71	8-39	70	
6-25-71	8-38		
3-31-71	8-31		
3-17-71	8-28		
	8-21		
	8-17		
3-7-71	8-31		

REVISIONS

NO.	DATE	BUL. NO.	BY
1	10-5-71	L-58	L.J.
2	8-4-71	L-72	L.J.
3	7-26-70	S-16	A.M.
4	6-19-70	S-11	D.G.
5	5-22-70	E-10	D.G.
6	4-10-70	E-3	B.M.
7	4-6-70	E-5	D.G.
8	1-30-70	E-7	D.G.
9	1-28-69	E-1	M.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

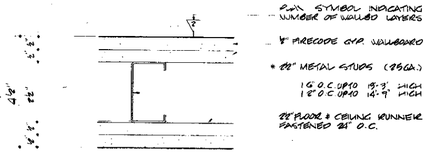
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

3/8"-1'-0" 0 4' 8' 16' 24'

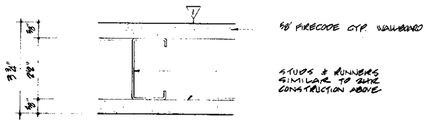
TITLE: NORTHEAST PLAZA BUILDING 1ST FLOOR PLAN (CONCOURSE LEVEL) EL 310'-0" N.W.

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-19-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-14		



TYPICAL 2 HR. FIRE RATED PARTITION

SCALE : HALF FULL SIZE



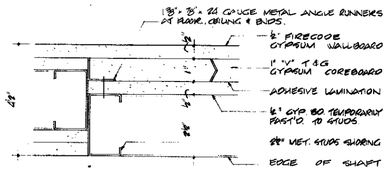
TYPICAL 1HR. FIRE RATED PARTITION

SCALE : HALF FULL SIZE

*NOTE :
1. FOR PARTITION HEIGHTS IN EXCESS OF THOSE NOTED USE 20 GA. METAL STUDS

16" O.C. UP TO 15'-9" HIGH
18" O.C. UP TO 19'-5" HIGH

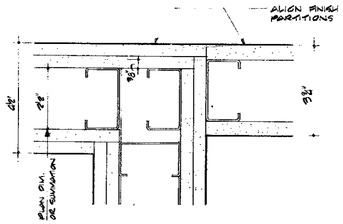
2. WHERE VARIABLE HEIGHTS IS INSTALLED ON STUD WALLS, ALL STUDS SHALL BE 20 GAUGE 16" O.C. OR 3 5/8" x 20GA. STUDS WHERE NOTED ON PLANS.



2 HR FIRE RATED SHAFT ENCLOSURE

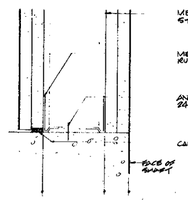
FOR INSTALLATION FROM FLOOR SIDE IN FRONT OF PIPES & DUCT RISERS

SCALE : HALF FULL SIZE



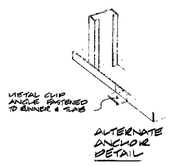
TYPICAL DETAIL OF INTERSECTION OF 1 & 2 HR. RATED PARTITIONS

SCALE : HALF FULL SIZE

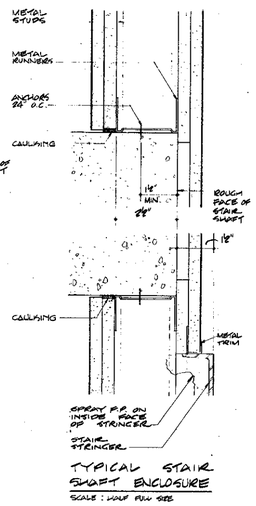


TYPICAL SHAFT ENCLOSURE

SCALE : HALF FULL SIZE

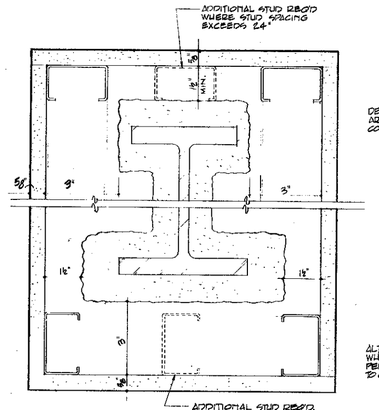


ALTERNATE ANCHOR DETAIL



TYPICAL STAIR SHAFT ENCLOSURE

SCALE : HALF FULL SIZE

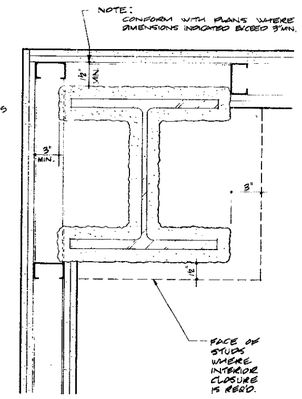


TYPICAL FREE-STANDING COLUMN ENCLOSURE

SCALE : HALF FULL SIZE

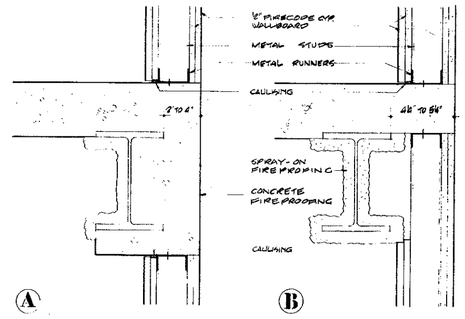
DETAIL WHERE STUDS ARE PARALLEL TO COL. FLANGE

ALTERNATE DETAIL WHERE STUDS ARE PERPENDICULAR TO COL. FLANGE



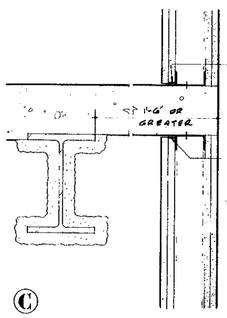
TYPICAL CORE COLUMN

AT 2HR. FIRE-RATED PARTITIONS.

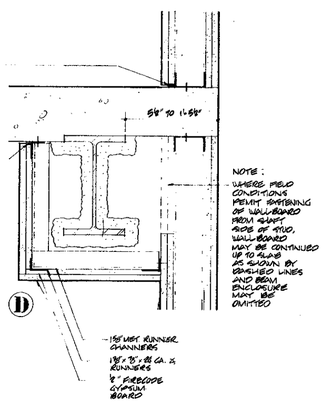


A

B

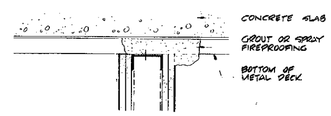


C



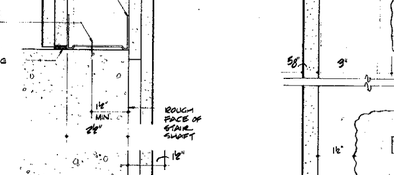
D

TYPICAL BEAM - PARTITION DETAILS (A) TO (D)

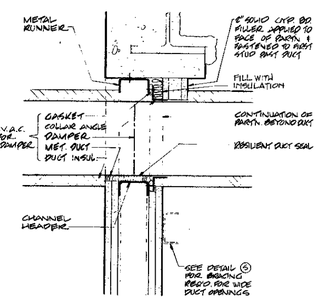


E PARTITION PERPENDICULAR TO MET. DECK

F PARTITION PARALLEL TO MET. DECK

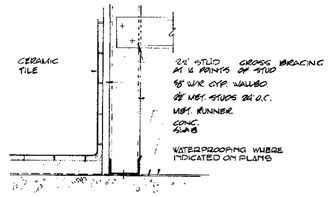


K TOILET PARTITION DETAIL

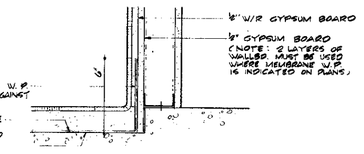


R DUCT PENETRATION UNDER BEAM

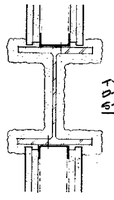
S TYPICAL DUCT PENETRATION



G TYPICAL TOILET CHASE WALL



H WATERPROOFING DTL. AT PARTITION



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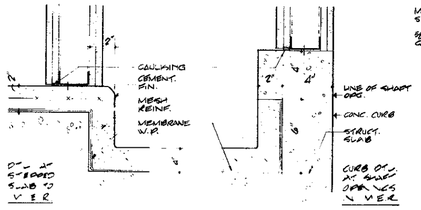
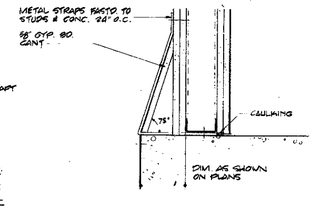
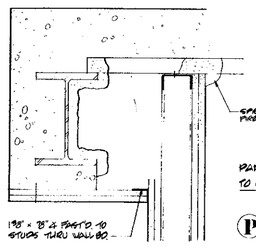


L TYP. WATERPROOFING DETAILS M



N ELEVATOR SHAFT CANT DETAIL



P PARTITION CLOSURE TO CONC. F.P. BEAM

METAL STUD PARTITION SYSTEM GENERAL NOTES :

1. NUMBER OF LAYERS OF GYPSUM WALLBD INDICATED BY SYMBOLS ON PLAN.
   - ▽ – 1 LAYER OF 5/8" FIRECODE WALLBOARD
   - ▽▽ – 2 LAYERS OF 5/8" FIRECODE WALLBOARD
   - ▽▽+ – FINISH LAYER OF W.R. WATER RESISTANT WALLBOARD
2. ON ALL CORE SHAFT, STAIR & CORRIDOR WALLS, METAL STUDS & WALLBOARD SHALL EXTEND FROM FLOOR TO UNDERSIDE OF SLAB OR BEAM ABOVE
3. ON FURRED WALLS OR CHASE WALLS THAT DO NOT SERVE AS BRACING WALLS TO SEPARATE SPACES, FINISH WALLBOARD MAY TERMINATE 6" ABOVE CEILING.
4. GYPSUM WALLBOARD TERMINATING AT SPRAY FIREPROOFING MUST FIT TO TIGHT TO F.P. CONDITION WITH NO GAPS OR OPENINGS.
5. MISCELLANEOUS JOINTS SHALL BE INSTALLED AS REQ'D. WHERE GYP. BD. FINISH JOINS TWO DIFFERENT TYPES OF SUPPORT
6. ALL CORNERS SHALL BE PROTECTED WITH METAL CORNER BEADS.
7. CHASE WALL PARTITIONS SHALL BE CROSS BRACED AT QUARTER POINTS OF STUDS.
8. WALLBOARD SHALL BE CAULKED AROUND PERIMETER OF PARTITIONS OF RETURN-AIR SHAFTS, AND WHERE SOUNDPROOFING INSULATION IS INDICATED ON PLANS.
9. ALL STRUCTURAL MEMBERS PROJECTING INTO STAIR SHAFTS, SHALL BE ENCLOSED WITH GYPSUM WALLBOARD FINISH.
10. GAUGES OF METAL STUDS, RUNNERS, ANGLES & TRIM SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR LIMITING HEIGHT & PRESSURE ON PARTITION.
11. WALLBOARD SHALL BUTT TIGHT AGAINST ALL BEAMS & PIPES PENETRATING PARTITION.
12. DOUBLE INTERLOCKING STUDS SHALL BE USED AT ALL DOOR OPENINGS, TRIMMED OPENINGS AND AT ENDS OF FREE STANDING PARTITIONS
13. WHERE PARTITION WITH SHAFT WALL OR CAVITY WALLBOARD ABUTS PARTITION WITH TWO LAYERS OF WALLBOARD, FINISH FACE OF WALLBOARD MUST BE IN LINE.
14. RUNNER TRACK FASTENED TO UNDERSIDE OF METAL DECK OR SPRAY APPLIED STEEL MUST BE INSTALLED PRIOR TO APPLICATION OF SPRAY FIREPROOFING.
15. SEE SPECIAL DETAILS WHERE VARIOUS LOADS ARE APPLIED TO STUD PARTNS. ON ENG. SHTS. 47.

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

RECEIVED
DEC 28 1964
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-23-63

NO.	DATE	REVISIONS	BY
		NO.	DATE	REVISIONS	BY
		1	4-18-30	E-7	ATK
		2	11-18-63	E-1	R.K.L.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

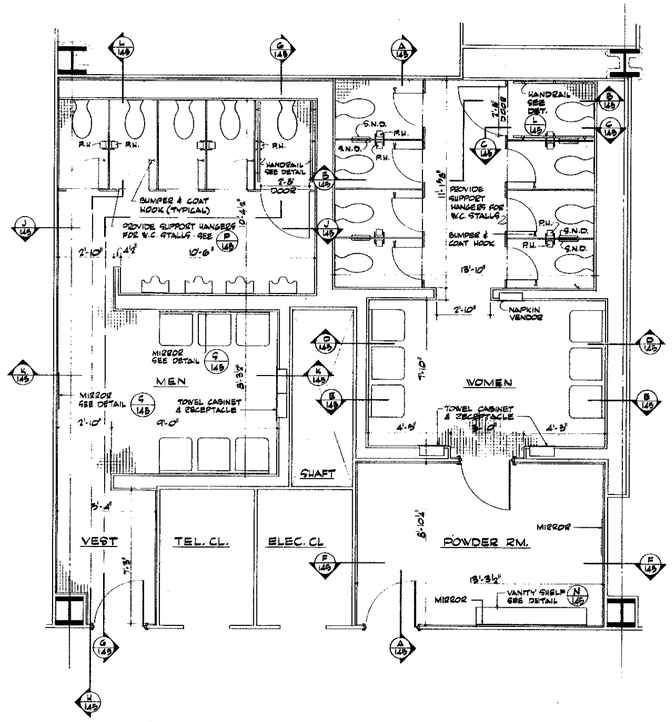
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

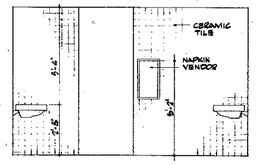
TITLE
NORTHEAST PLAZA BUILDING
TYPICAL PARTITION DETAILS

DRAWN	R.K.	CHECKED	
SCALE	3"=1'-0" & 1/2" = 1'-0"	DATE	7/28/63
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-144		

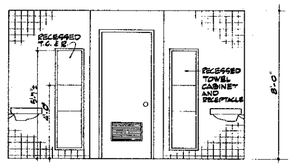
HE-145



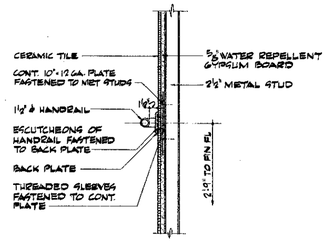
TYPICAL TOILET PLAN



ELEVATION D 145

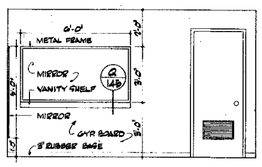


ELEVATION E 145

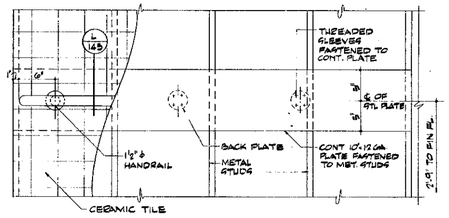


L 145 SECTION THRU HANDRAIL
SCALE: 1½" = 1'-0"

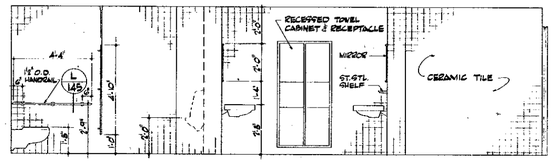
NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, SYMBOLS, DOOR SCHEDULE, FINISH SCHEDULE, AND SCHEDULE OF DRAWINGS - SEE DWG # A-E-1 TO A-E-4.
2. TOILETS AND DIMENSIONS SHOWN ON THIS DWG ARE TYPICAL. FOR VARIATIONS SEE ARCHITECTURAL PLANS.
3. FOR CEILING FIXTURES, SEE 1/8" SCALE PLANS



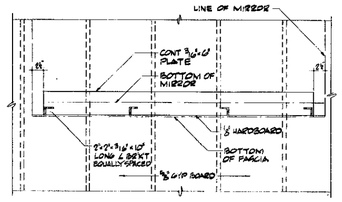
ELEVATION F 145



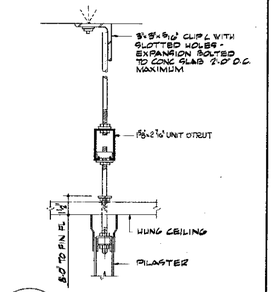
M 145 ELEVATION AT HANDRAIL
SCALE: 1½" = 1'-0"



ELEVATION G 145



N 145 ELEVATION AT VANITY SHELF SUPPORT
SCALE: 1" = 1'-0"



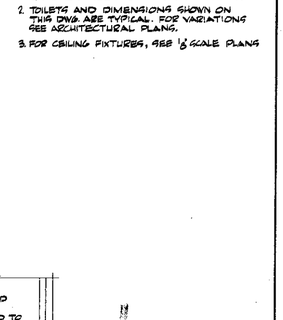
P 145 PILASTER SUPPORT
SCALE: 3" = 1'-0"

ELEVATION A 145

ELEVATION H 145

Q 145 SECTION THRU VANITY SHELF
SCALE: 3" = 1'-0"

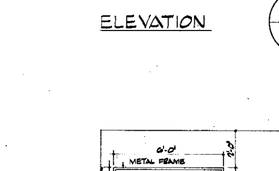
R 145



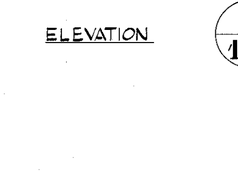
S 145 MIRROR DETAILS
SCALE: HALF SIZE

ELEVATION B 145

ELEVATION C 145



ELEVATION J 145



ELEVATION K 145

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-19-69

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
2	12-27-71	E-59	A.V.
1	4-19-70	E-5	A.T.K.
0	11/26/69	E-1	A.K.A.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 48th ST., N.Y.C. 10017

3/8"=1'-0" 0 6" 1' 2" 3" 4" 5" 6" 7" 8"

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

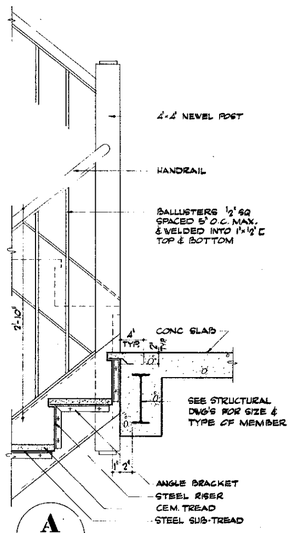
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

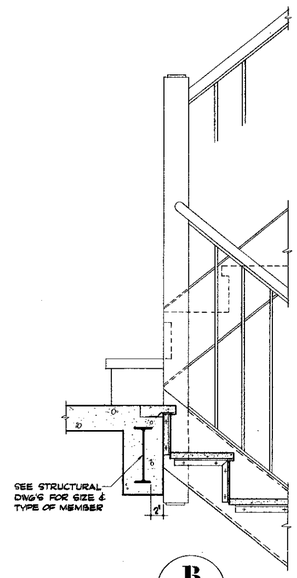
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
TYPICAL TOILET DETAILS

DRAWN	J.M.S.	CHECKED	
SCALE	3/8" & 1½" & AS NOTED	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·145		



A 146



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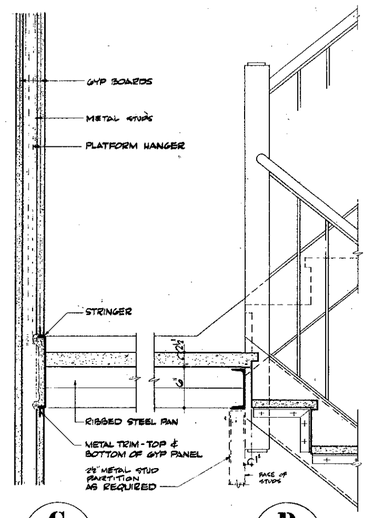
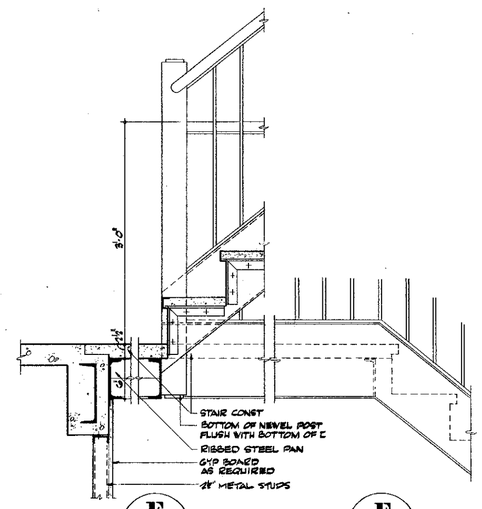


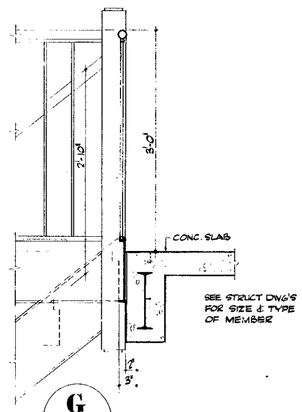
C 146 D 146



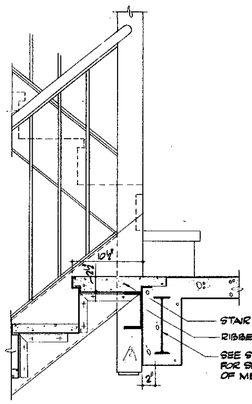
E 146 F 146

NOTES:

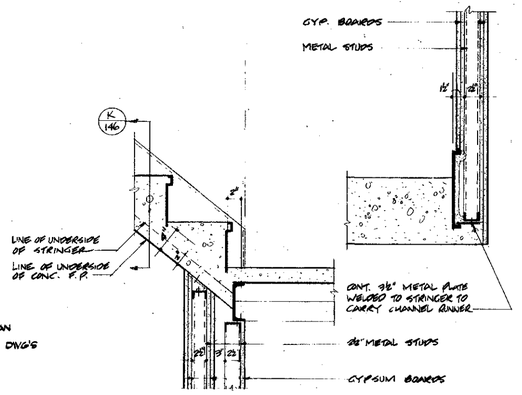
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, & SCHEDULE OF DRAWINGS - SEE DWG'S A-E-1 TO A-E-5
2. FOR GYPSUM PLANK PARTITION DETAILS SEE DRAWING # A-E-144
3. FOR STAIR SECTIONS, SEE DRAWINGS #A-E-60 & A-E-61.



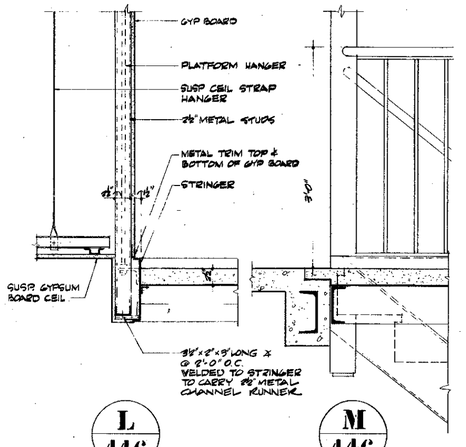
G 146



H 146



J 146 K 146



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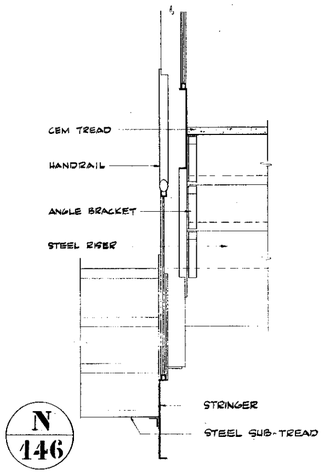

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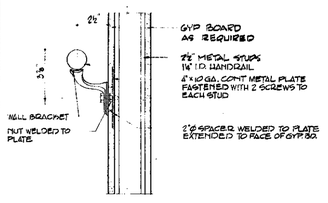

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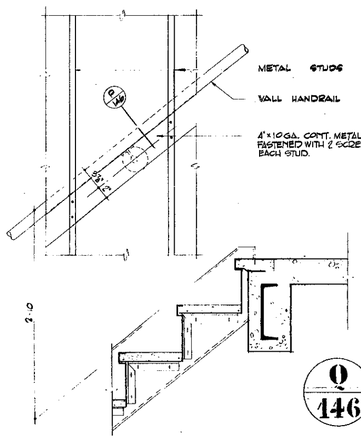
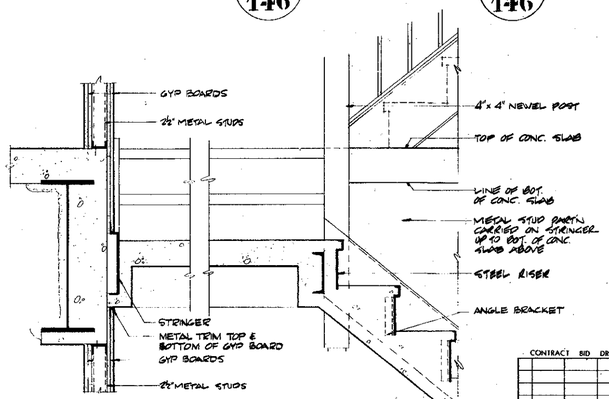
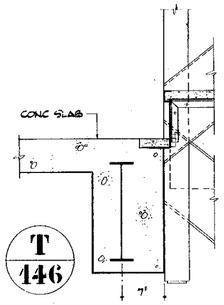


Q 146 TYPICAL HANDRAIL ELEVATION



R 146 S 146



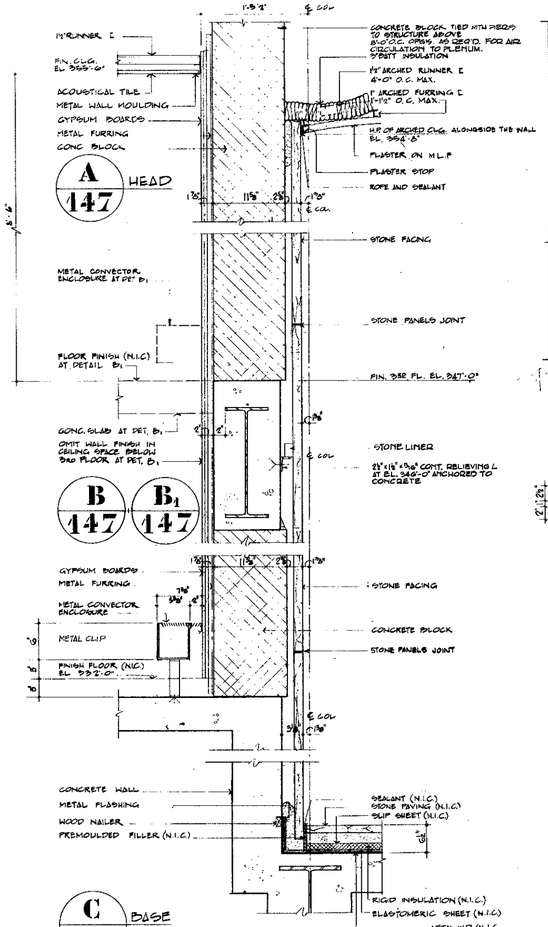
T 146

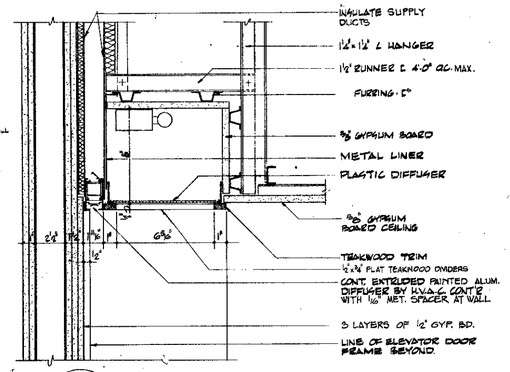
RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

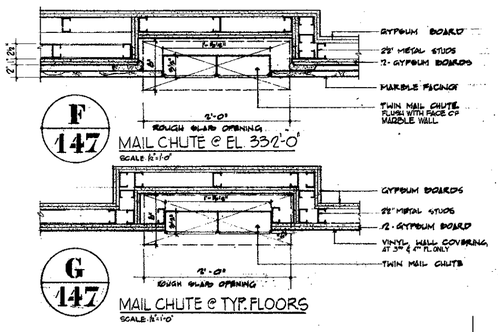
CONTRACT BID DRAWING date 4-25-91

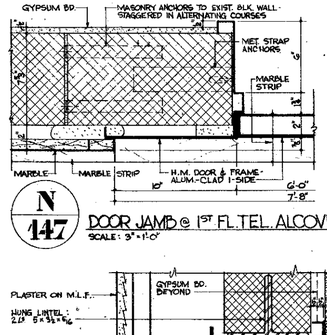
NO.	DATE	BUL. NO.	BY

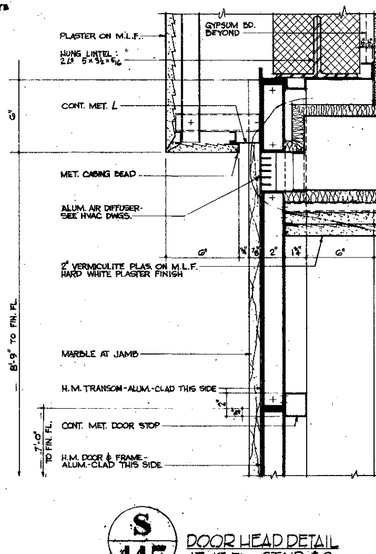
HE-147

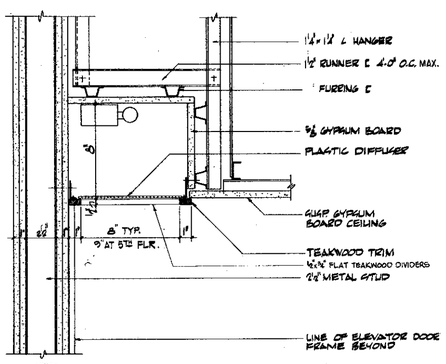


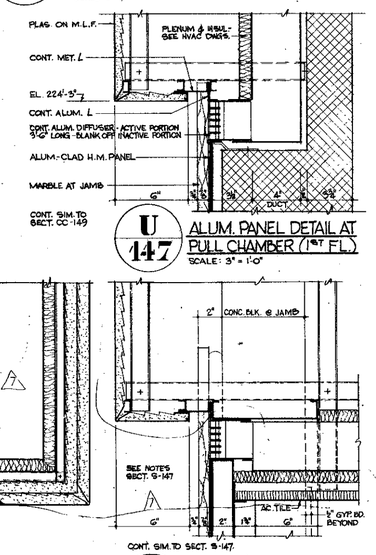


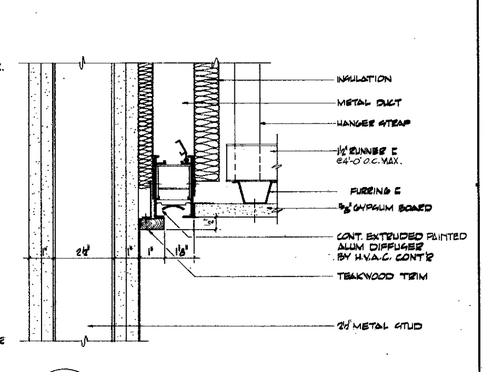


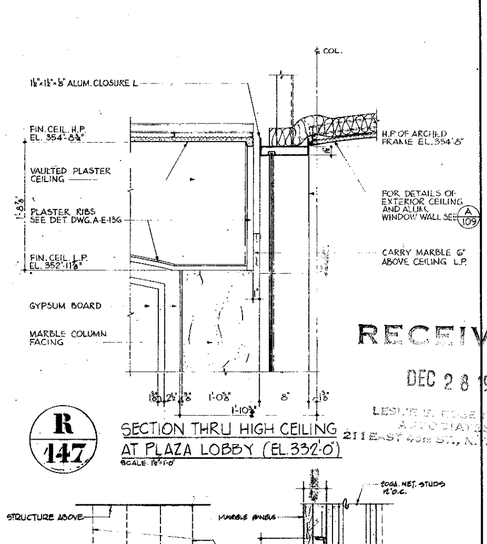


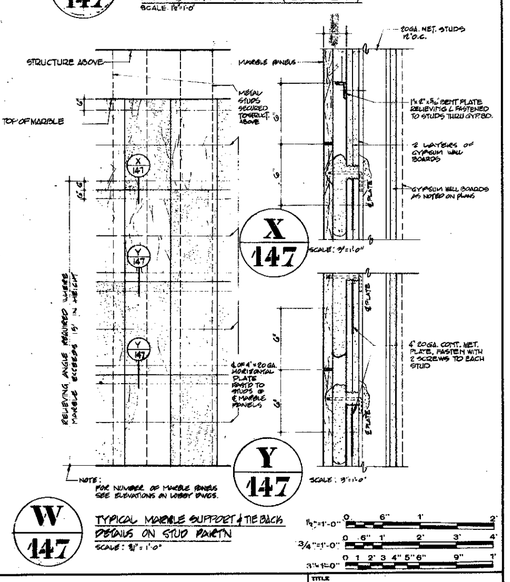


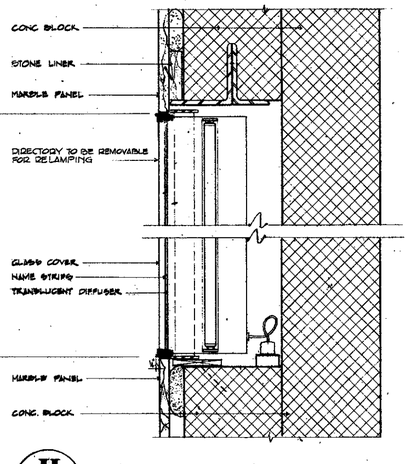


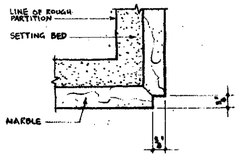


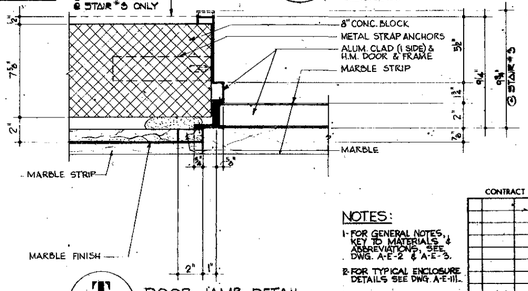












NOTES:

1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG. A-E-2 & A-E-3.

2- FOR TYPICAL ENCLOSURE DETAILS SEE DWG. A-E-111.

BUILDINGS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT NO. DRAWING date 8-23-69

NO.	DATE	BUL. NO.	BY
1	10-9-78	B-47	A.C.
2			S.D.
3	6-25-76	E-136	S.D.
4	5-11-76	E-108	S.D.
5	11-27-77	E-60	L.B.
6	4-18-78	E-7	A.W.
7	4-18-78	E-5	A.W.
8	11-28-68	E-1	R.P.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

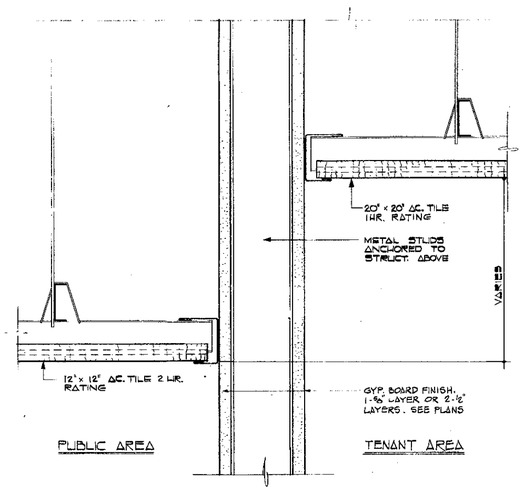
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
MISCELLANEOUS DETAILS

DRAWN	J.C.	CHECKED	
SCALE	AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-147		

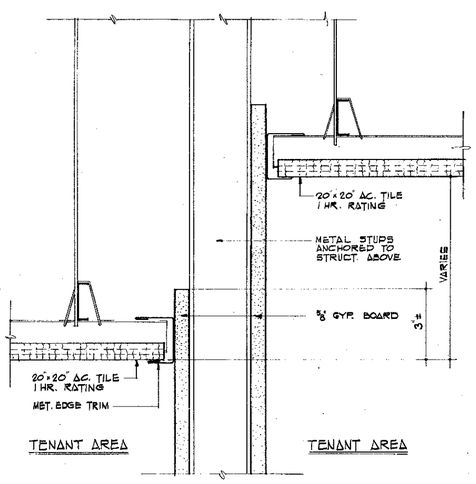
RECEIVED
DEC 28 1990
LESLIE A. ROBERTSON ASSOCIATES
211 E. 51st STREET, N.Y.C. 10017

HE-148



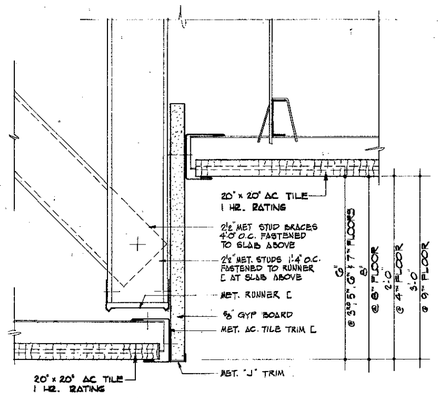
A 148 SECTION AT CEILING BREAK AT PARTITION BETWEEN TENANT AREA AND PUBLIC AREA

SCALE: HALF FULL SIZE



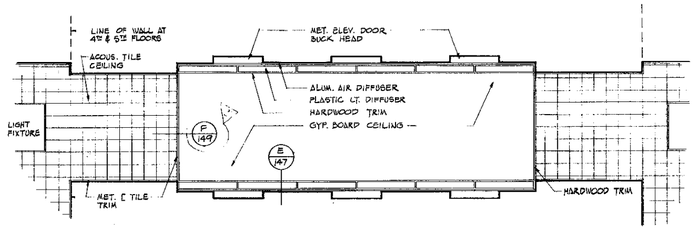
B 148 SECTION AT CL'G BREAK AT PARTITION IN TENANT AREA

SCALE: HALF FULL SIZE

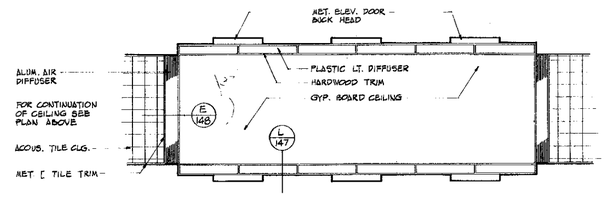


C 148 SECTION AT CL'G. BREAK IN TENANT AREA

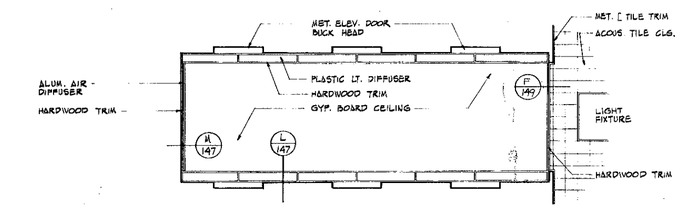
SCALE: HALF FULL SIZE



THIRD FLOOR



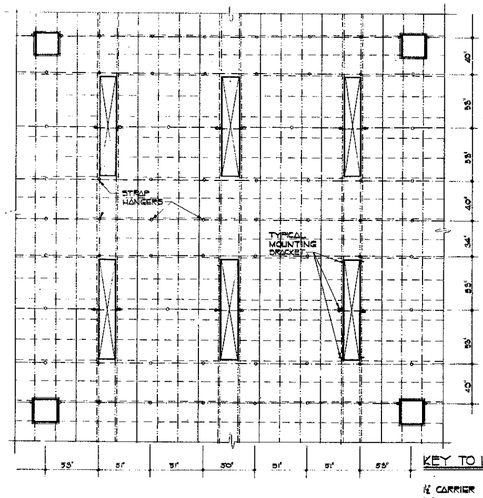
FOURTH & FIFTH FLOORS



SIXTH THRU NINTH FLOORS

ELEVATOR LOBBY REFLECTED CEILING PLANS

SCALE: 1/4" = 1'-0"



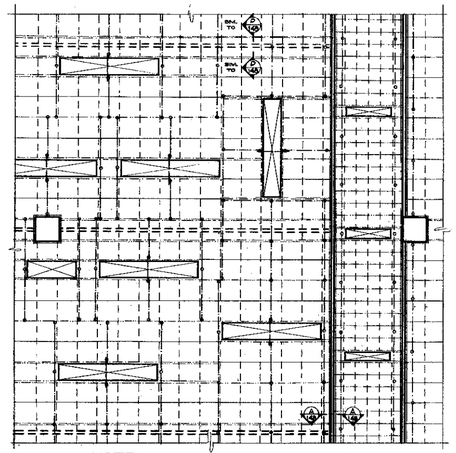
CEILING FRAMING PLAN

TENANT AREA - TYPICAL PATTERN

SCALE: 1/4"=1'-0"

KEY TO LINE SYMBOLS:

- STRAP HANGER
- ¼ CARRIER CHANNEL
- 'C' SPLINE
- 'Z' SPLINE
- BREATHER SPLINE
- HOOK SPLINE
- DOUBLE LEAF ACCESS SPLINES



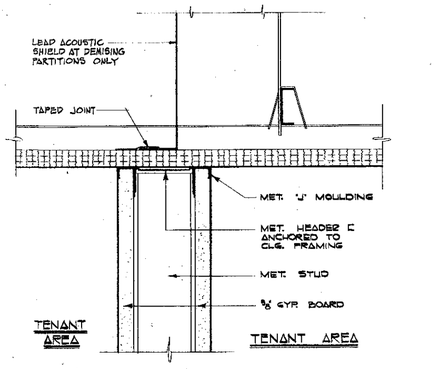
NOTE: PLACEMENT OF LIGHTING FIXTURES NOMINALLY SHOWN FOR DETAIL REFERENCE ONLY. ACTUAL LOCATIONS OF FIXTURES SUBJECT TO TENANT LAYOUT.

CEILING FRAMING PLAN

TENANT AREA - RANDOM PATTERN

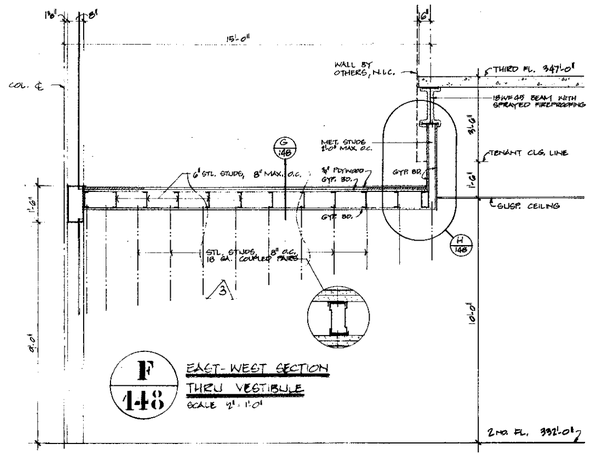
PUBLIC AREA - TYPICAL PATTERN

SCALE: 1/4"=1'-0"



D 148 SECTION AT PARTITION DIVIDING TENANT SPACES

SCALE: HALF FULL SIZE



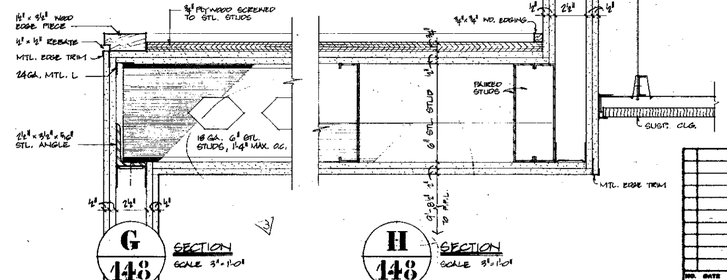
F 148 EAST-WEST SECTION THRU VESTIBULE

SCALE 3/4" = 1'-0"

2ND FLOOR VESTIBULE DETAILS

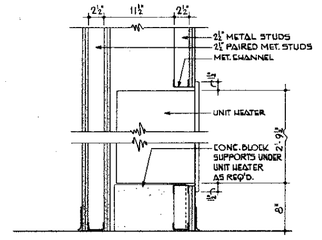
NOTES:

1. FLOOR PLAN, SEE AE 24
2. 3⅝" x 18 GA. STEEL STUDS SHALL BE MILCOR TYPE 'C' OR EQUAL. ATTACH GYP. BD. 'OP' AND BOTTOM WITH SELF-TAPPING SCREWS, 8" O.C. MAX.
3. WOOD AND PLYWOOD SHALL BE TREATED FOR FIRE RESISTANCE



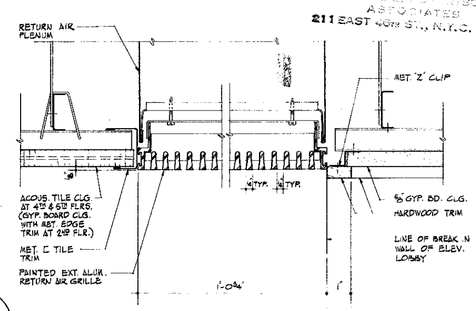
G 148 SECTION SCALE 3"=1'-0"

H 148 SECTION SCALE 3"=1'-0"



J 148 SECTION THRU UNIT HEATER IN 2ND FLOOR VESTIBULE

SCALE: 1½" = 1'-0"



E 148 RETURN AIR GRILLE AT ELEVATOR LOBBIES AT 4TH & 5TH FLOORS (2ND FLOOR SAME EXCEPT AS NOTED)

SCALE: HALF FULL SIZE

RECEIVED

DEC 28 1971

LESLIE E. ROBERTSON ASSOCIATES

211 EAST 43RD ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
REVISIONS			
3		E-225	MN
2	1-9-76	E-203	DE
1	10-9-75	E-47	LC
NO.	DATE	BUL. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

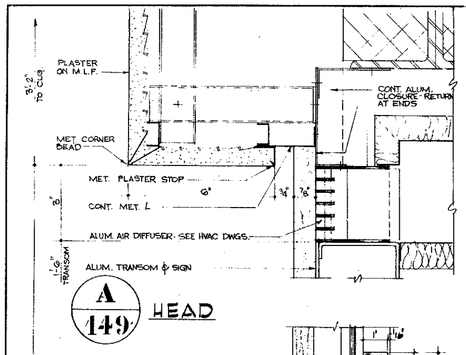
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

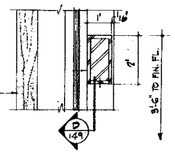
TITLE: NORTHEAST PLAZA BUILDING
CEILING DETAILS

DRAWN	WT	CHECKED	
SCALE	AS NOTED	DATE	SEPT. 21, 1971
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·148		

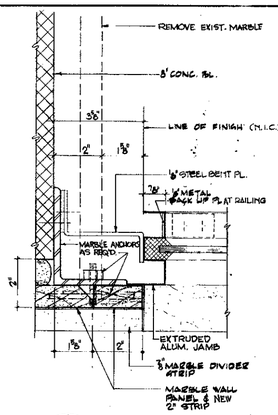
AE-149



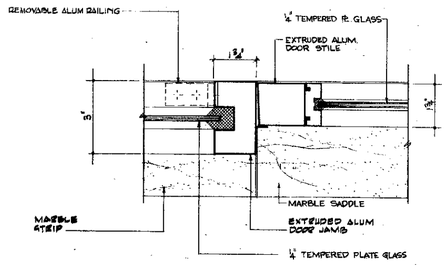
A/149 HEAD



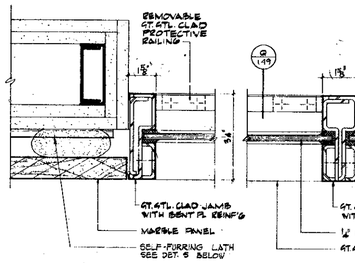
B/149 RAILING



E/149 JAMB AT WALL



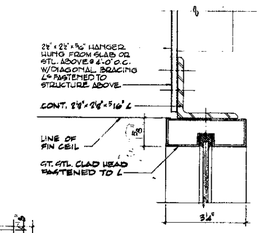
G/149 DOOR JAMB



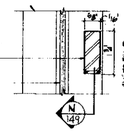
H/149 JAMB AT WALL

J/149 MULLION

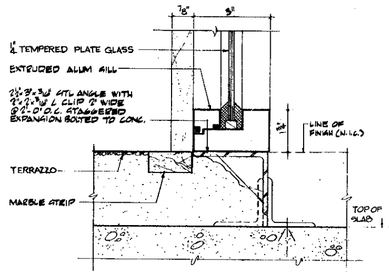
K/149 DOOR JAMB



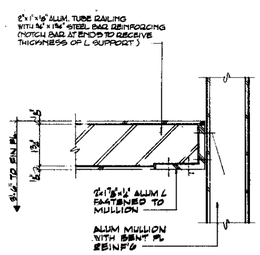
P/149 HEAD



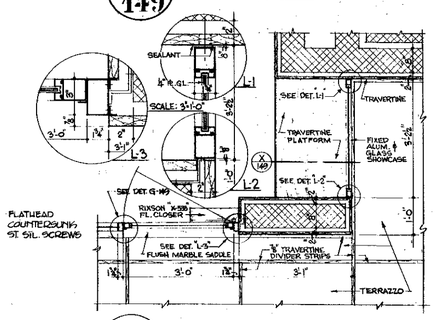
Q/149 RAILING



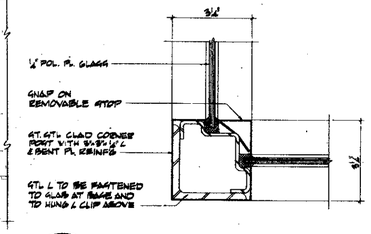
C/149 SILL



D/149 SECTION THRU RAILING

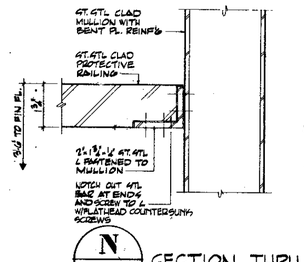


L/149 PLAN AT STOREFRONT
SCALE: ¾" = 1'-0"

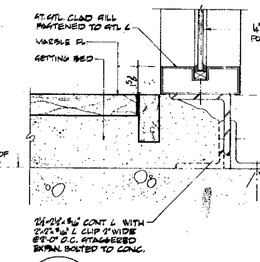


M/149 CORNER POST

TYPICAL ALUM. & GLASS PARTITION DETAILS



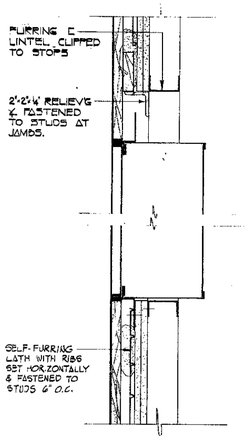
N/149 SECTION THRU RAILING

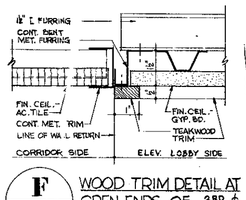


R/149 SILL

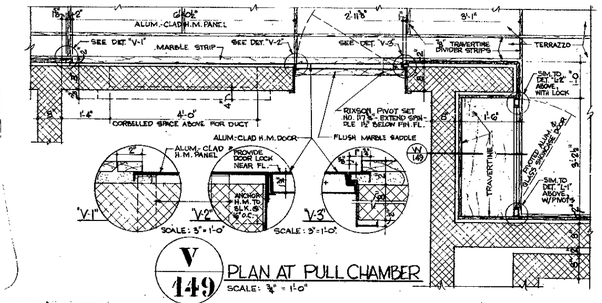
TYPICAL STAINLESS STEEL & GLASS PARTITION DETAILS

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

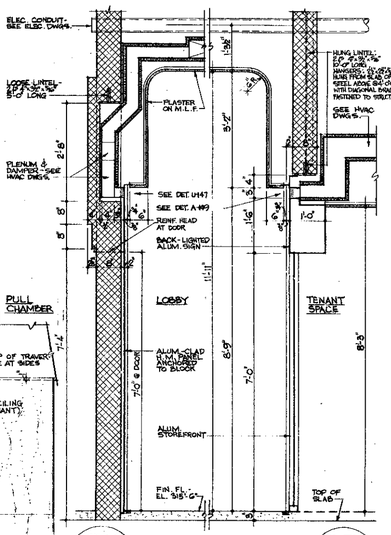




F/149 WOOD TRIM DETAIL AT OPEN ENDS OF 3RD & 6TH THRU 9TH FL LOBBIES
SCALE: HALF FULL SIZE

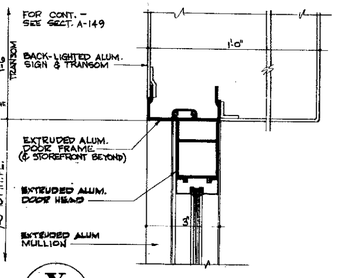


V/149 PLAN AT PULL CHAMBER
SCALE: ¾" = 1'-0"

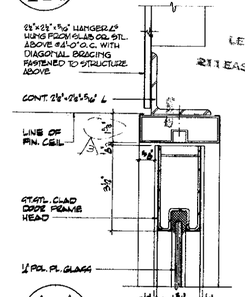


CC/149 SECTION THRU VESEY ST. LOBBY
SCALE: ¾" = 1'-0"

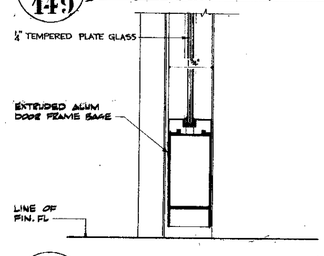
DD/149



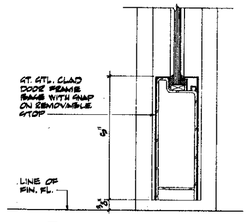
Y/149 ALUM & GLASS DOOR HEAD



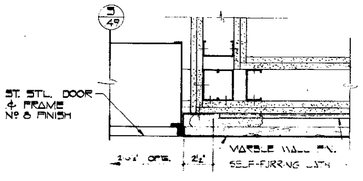
A-A/149 GT. GTL. & GLASS DOOR HEAD



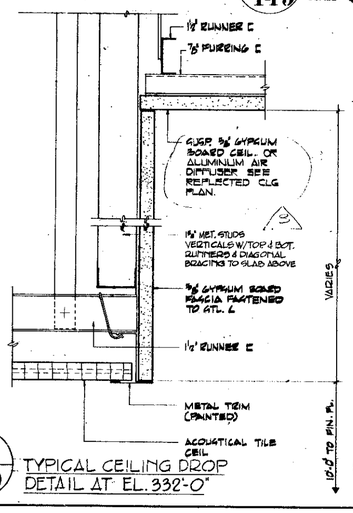
Z/149 ALUM. & GLASS DOOR BASE



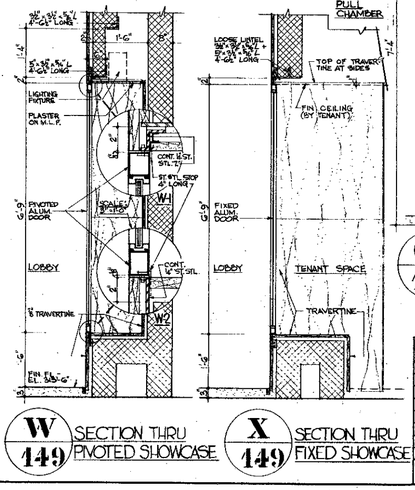
BB/149 GT. GTL. & GLASS DOOR BASE



T/149 JAMB OF FIRE HOSE CABINET
SCALE: 3"=1'-0"



U/149 TYPICAL CEILING DROP DETAIL AT EL. 332'-0"



W/149 SECTION THRU PIVOTED SHOWCASE

X/149 SECTION THRU FIXED SHOWCASE

CONTRACT NO.	DRAWING	DATE	A-25-69
	6	6-12-78	E-192 SD
	5	12-23-76	E-165 AC
	4	10-9-74	E-143 SD
	3	6-25-74	E-135 SD
	2	8-11-73	E-108 SD
	1	10-4-72	E-42 WM
	2	4-18-72	E-7 AW
	1	11-26-69	E-1 RFA

NO.	DATE	BUL. NO.	BY
NO.	DATE	BUL. NO.	BY

REVISIONS

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
MISCELLANEOUS INTERIOR DETAILS

DRAWN	J.M.G.	CHECKED	
SCALE	HALF SIZE & AS NOTED	DATE	7/26/69
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-E 149		

NORTH

NOTES

1. FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS, LEGENDS, SCHEDULES, DRAWING NUMBERING SYSTEM & DRAWINGS SEE DWG # A-0.01 TO A-0.04.
2. FOR COMPLETE & DETAILED DIMENSIONS SEE DWG # A-1.01
3. ALL ELEVATIONS INDICATED THUS (E.L. 317'-0") IN RELATION TO FINISH FLOOR, UNLESS OTHERWISE NOTED.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-4.16.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE EQUAL UNLESS OTHERWISE NOTED.
7. CANT, INDICATED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATION SHOWN AND SHALL BE MINIMUM 30° FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. COORDINATE ALL LIGHTING LAYOUTS WITH ARCHITECTURAL DRAWINGS. FOR ALL OTHER LIGHTING SEE MECHANICAL DRAWINGS & ARCHITECTURAL DETAILS.
9. FOR EXITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
10. SEE INDICATIONS SHOWN UNDERGROUND ARE NOT INCLUDED IN THIS CONTRACT
11. FOR TYPICAL DETAILS OF CONCRETE FLOATING TYPE SEE STRUCTURAL ENGINEERS DRAWINGS.
12. ANCHOR IRON LADDERS TO UNDERSIDE OF CONCRETE BREAKS. SEE DRAWINGS FOR LOCATIONS.
13. EDGE LINE DETAILS SEE DWG FOR THIS TYPE OF HEAVY WALL (SEE KEY PLAN)
14. FIREPROOF DUCTS ENCASE WITH 2" MINIMUM CLEARANCE OF NORMAL LATH & PLASTER CONSTRUCTION SEE DWGS. FOR LOCATION OF FIREPROOFING SEE MECHANICAL DRAWINGS.

NOTE:
FOR CONSTRUCTION IN THIS AREA, SEE "D" BLOCK AREA SUPPLEMENTARY CONTRACT DRAWINGS # A2.01 TO 07

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

KEY PLAN

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-25-76

NO.	DATE	SUB. NO.	BY
1	9-3-74	E-220	L.J.
—	—	E-225	L.J.
2	11-25-74	E-228	L.J.
3	6-11-75	E-235	L.J.
4	9-8-76	E-188	DO.
5	6-28-76	E-238	L.J.
6	10-4-76	E-248	L.J.
7	10-7-76	E-249	L.J.
8	10-7-76	E-245	L.J.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	10-6-77	S-118	W.M.
2	7-24-78	E-6	A.N.
3	7-28-78	E-3	A.N.
4	8-25-78	E-10	P.G.
5	4-16-79	E-8	P.G.
6	4-16-79	E-7	P.G.
7	11-26-79	E.1	R.C.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

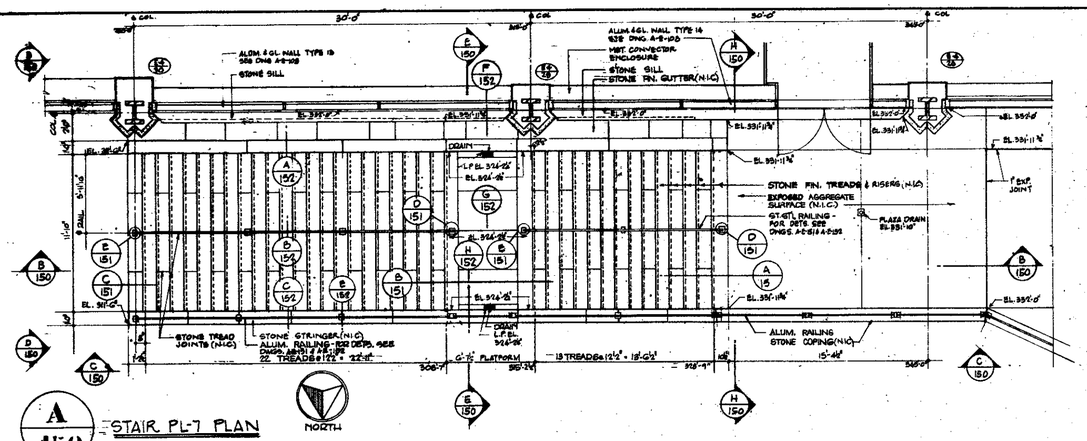
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

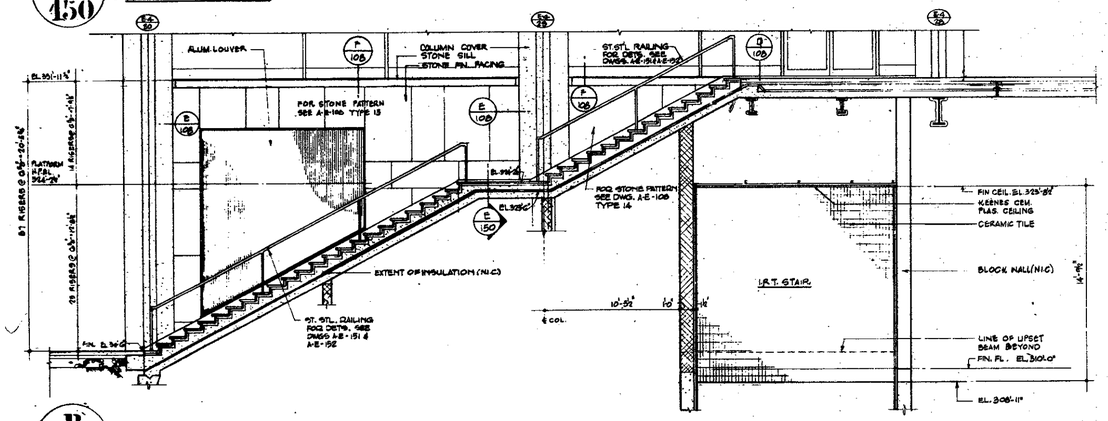
TITLE: NORTHEAST PLAZA BUILDING
1ST FLOOR PLAN
CONCOURSE (E.L.) EL 30'-0" - N.E.

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 7-28-79
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-E-15

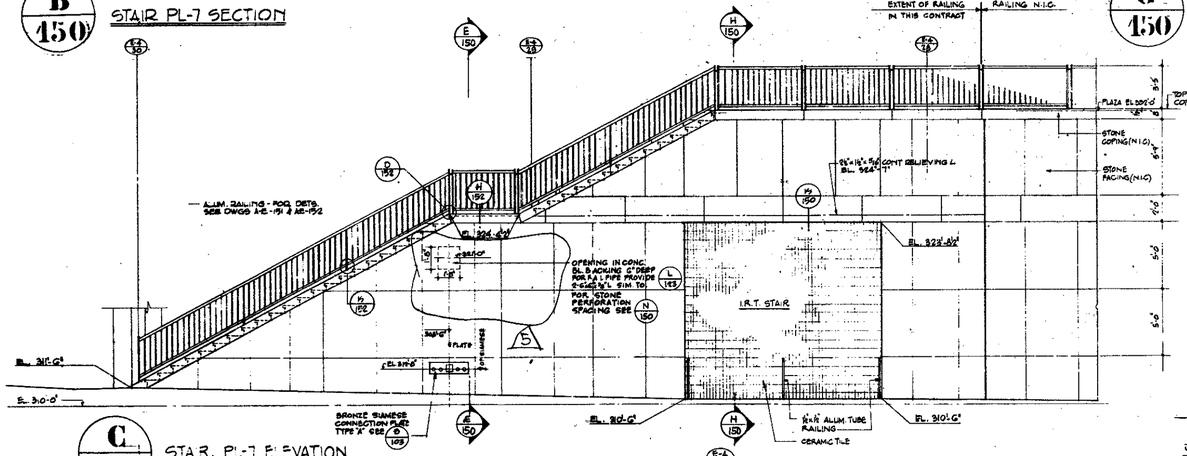
1/8"=1'-0" 0 4' 8' 16' 24'



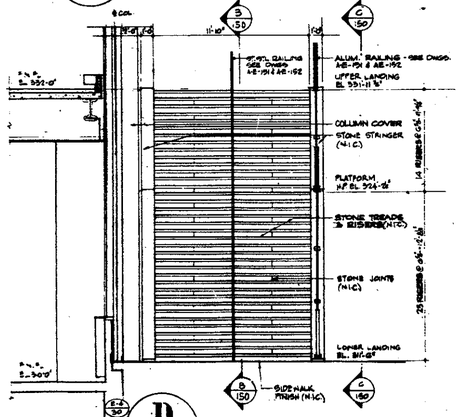
A 450 STAIR PL-7 PLAN



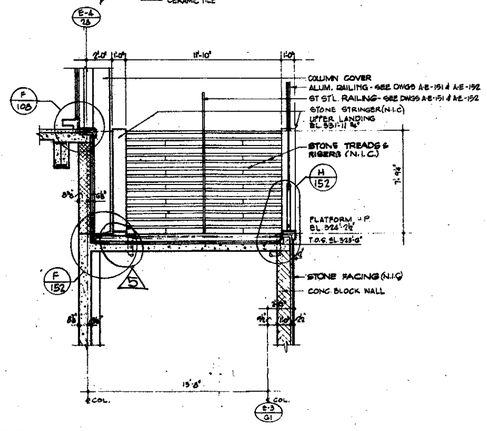
B 450 STAIR PL-7 SECTION



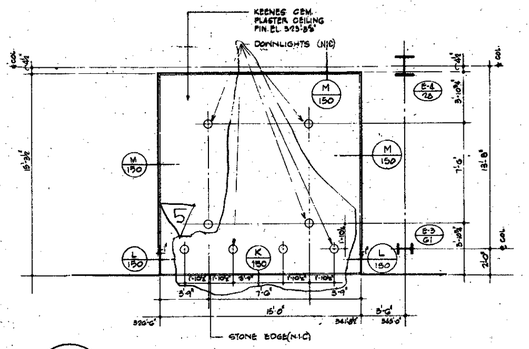
C 450 STAIR PL-7 ELEVATION LOOKING SOUTH



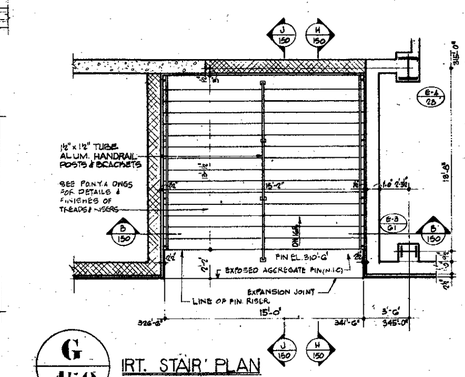
D 450 STAIR PL-7 ELEVATION LOOKING WEST



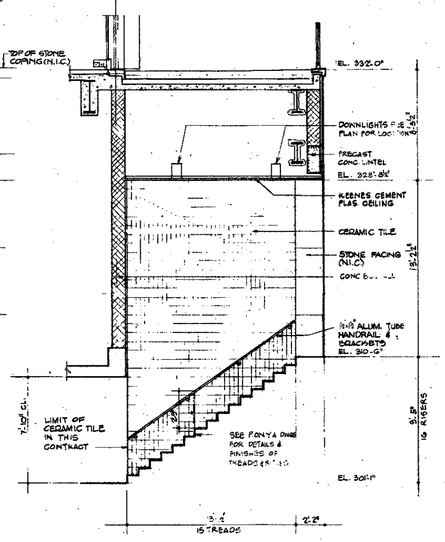
E 450 STAIR PL-7 SECTION AT PLATFORM



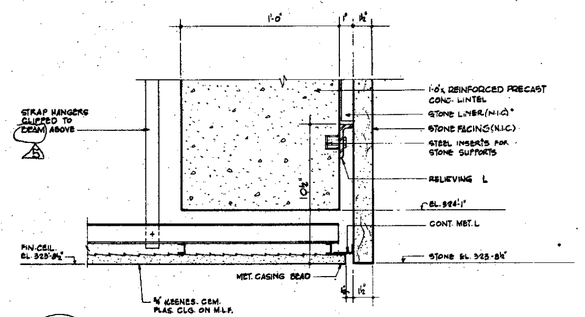
F 450 REFLECTED CEILING PLAN I.R.T. STAIR



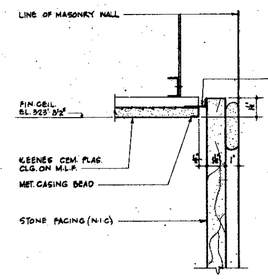
G 450 I.R.T. STAIR PLAN



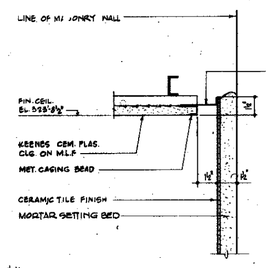
H 450 SECTION THRU I.R.T. STAIR LOOKING WEST



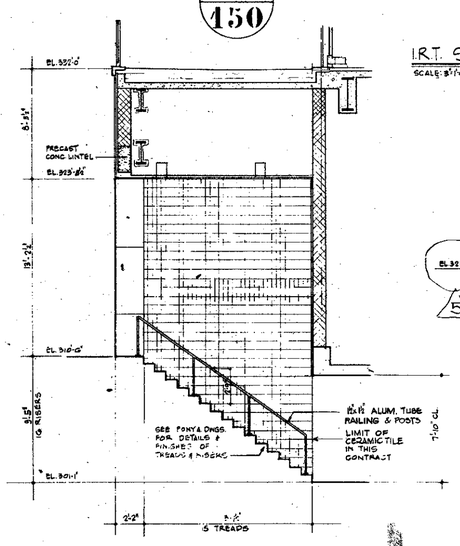
K 450



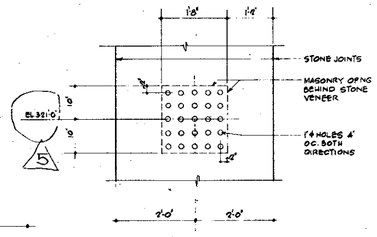
L 450



M 450 I.R.T. STAIR CEILING DETAILS
SCALE: ¾"=1'-0"



J 450 SECT. THRU IRT STAIR LOOKING EAST



N 450 PERFORATED STONE PATTERN FOR F.A.I. @ UNDERSIDE OF STAIR PL-7
SCALE: ¾"=1'-0"

RECEIVED
DEC 28 1970
AS. CORPORATION
EAST 46TH ST., N.Y.C. 10017

NOTES
1-FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG A-E-1 & A-E-3

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	SUB. NO.	BY
4	10-6-78	E-42	WM
3	9-19-78	E-11	RTA
2	5-22-70	E-10	T.J.
1	4-15-70	E-8	RTA
0	11-25-69	E1	G.A.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

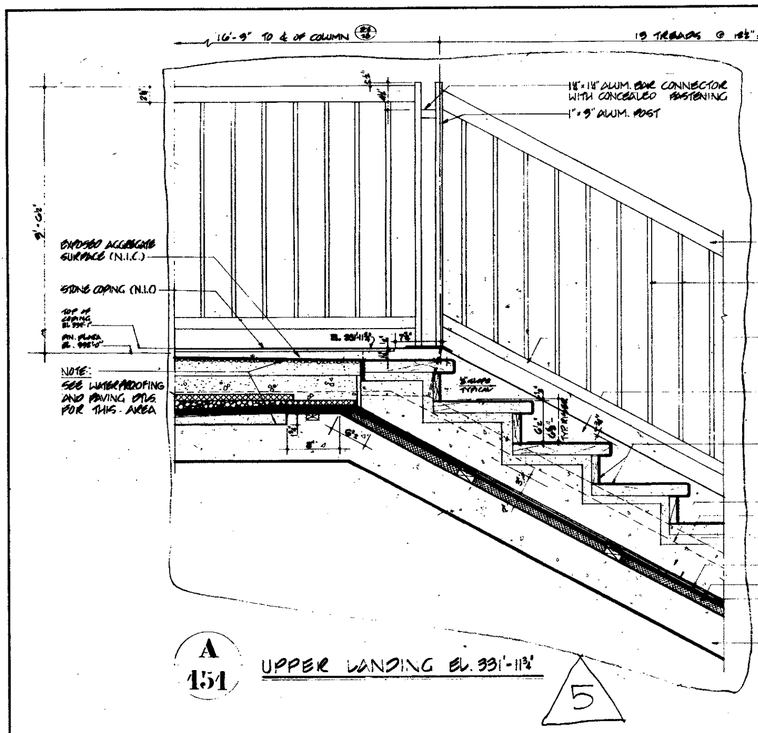
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
MECHANICAL ENGINEERS
JAROS, BAUM & BOLLES
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
STAIR PL-7 & I.R.T. STAIR PLANS SECTIONS & DETAILS

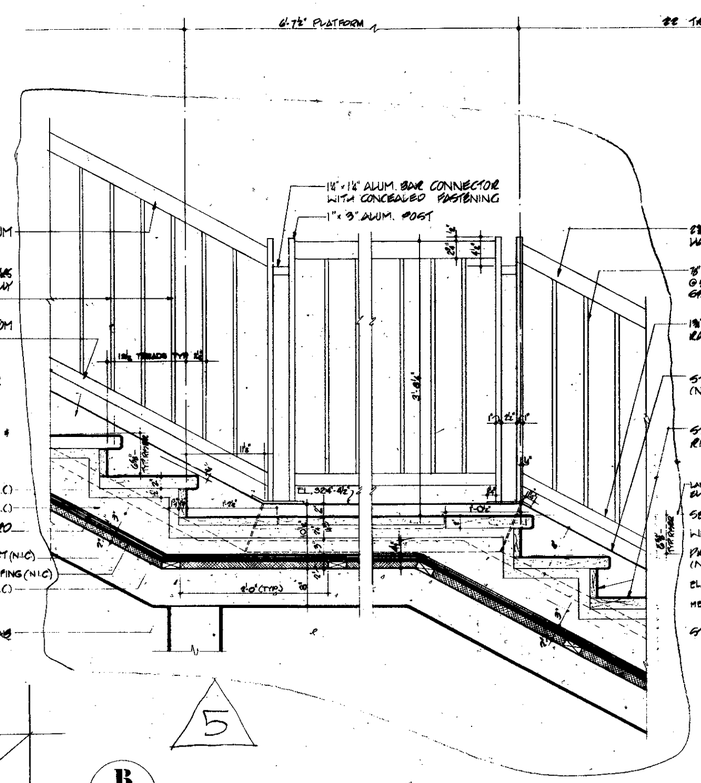
1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

DRAWN	N.P.R.	CHECKED	
SCALE	1/4"=1'-0" UNITED	DATE	7-25-69
PROJECT NUMBER		SHEET	OF

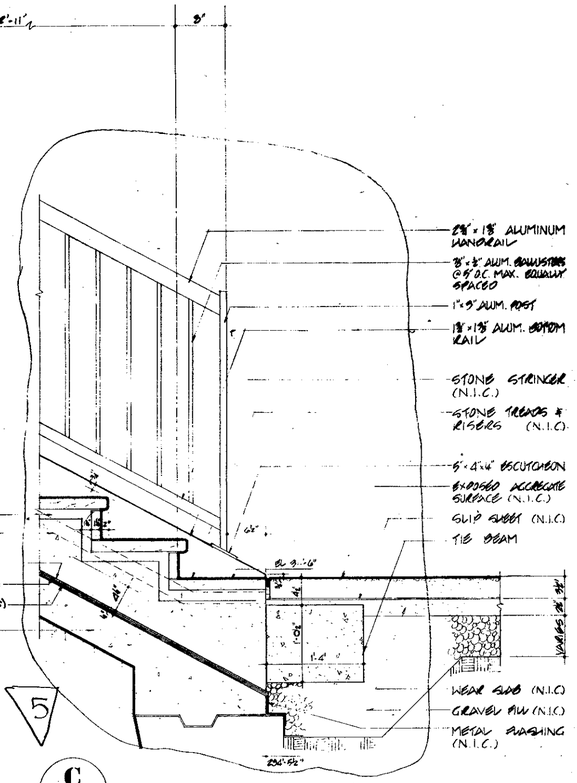
DRAWING NUMBER: A-E-150



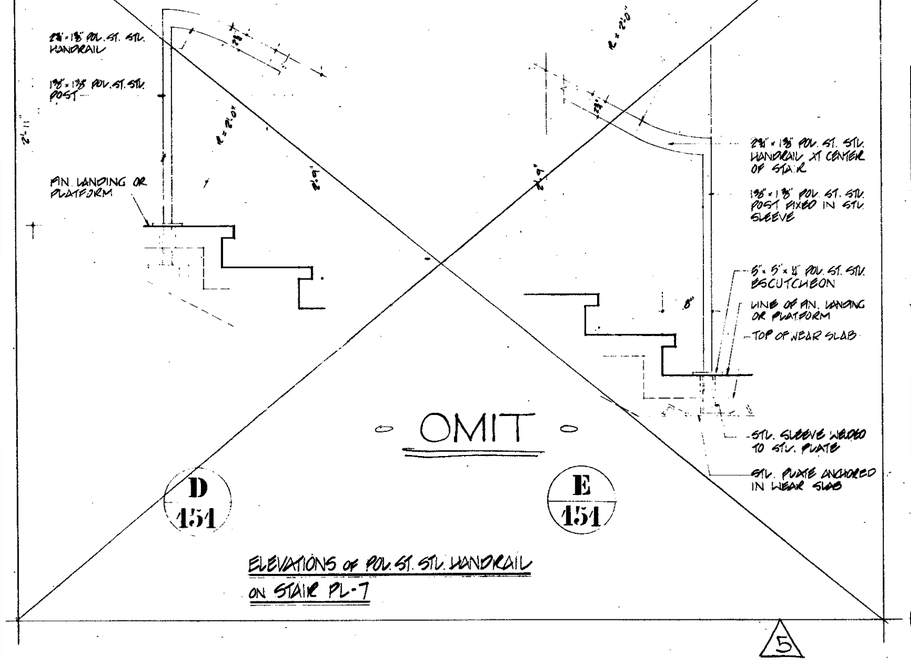
A 151 — UPPER LANDING EL. 331'-11½"



B 151 — PLATFORM EL. 324'-2½"

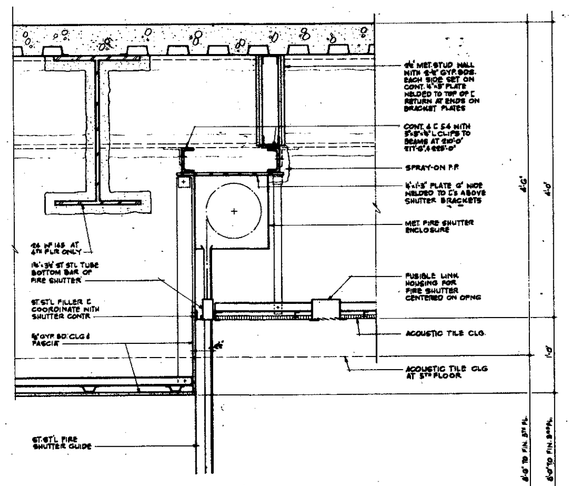


C 151 — LOWER LANDING EL. 311'-6"



D 151 — E 151

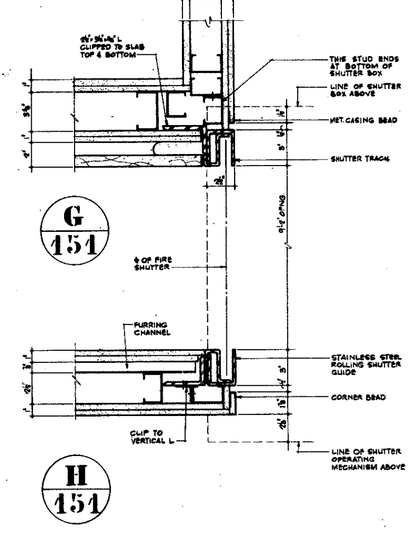
ELEVATIONS OF POL. ST. STL. HANDRAIL ON STAIR PL-7



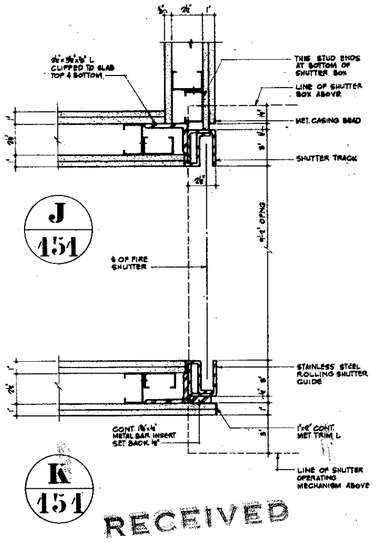
F 151 — HEAD OF ROLLING FIRE SHUTTER @ THIRD FLOOR

SCALE: 1½"=1'-0"

NOTE: DETAIL AT FIFTH FLOOR SIMILAR EXCEPT AS NOTED



G 151 — H 151



J 151 — K 151

JAMBS OF ROLLING FIRE SHUTTERS

IN PROGRESS

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'
1½"=1'-0" 0 3" 6" 1' 2'

CONTRACT "BID" DRAWING date 8-23-89

NO.	DATE	DESCRIPTION	BY
3	10-6-73	E-42	BMB
4	6-26-74	E-10	T. J.
5	6-15-90	E-5	R.M.
6	6-15-90	E-7	L. J.
7	11-26-90	E-1	BMB

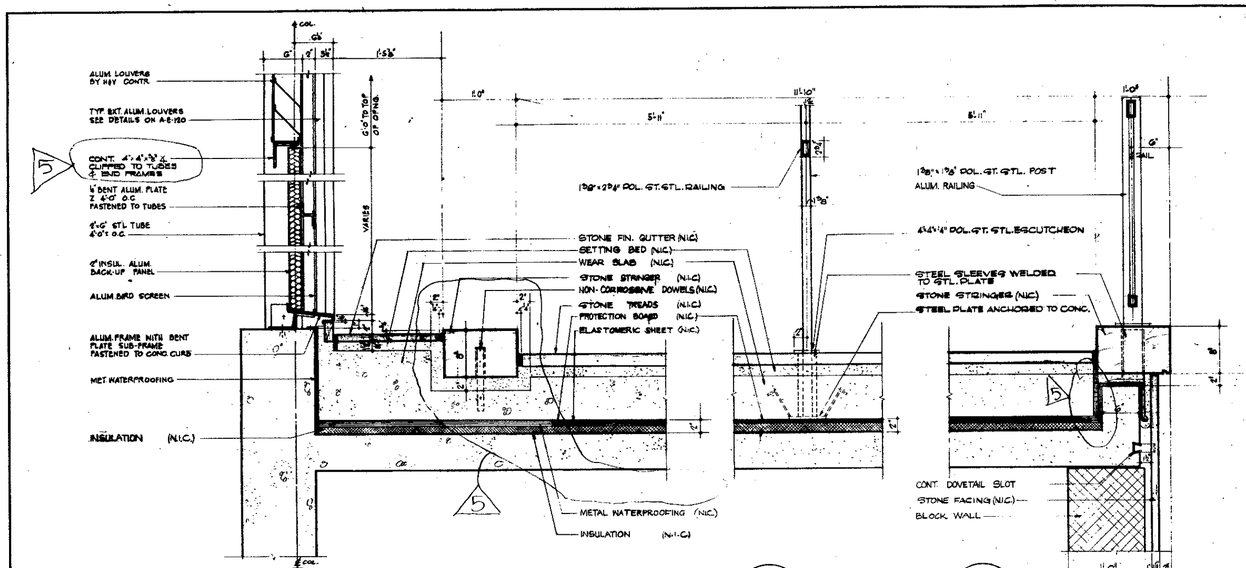
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING STAIR PL7 & MISCELLANEOUS DETAILS

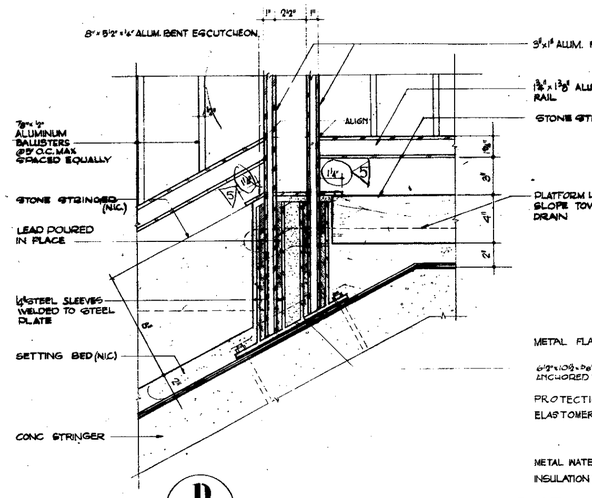
DRAWN		CHECKED	
SCALE	1½"=1'-0"	DATE	8-23-89
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-151		



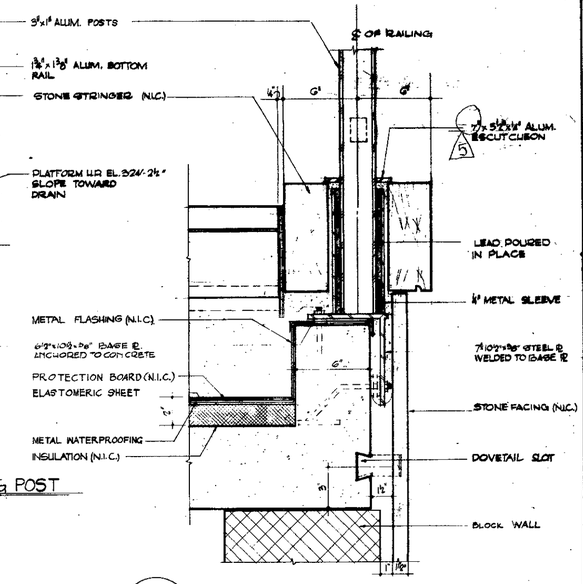
A 152 SECTION THRU GUTTER & TREAD & LOUVER.

B 152 CENTER RAILING AND TREAD

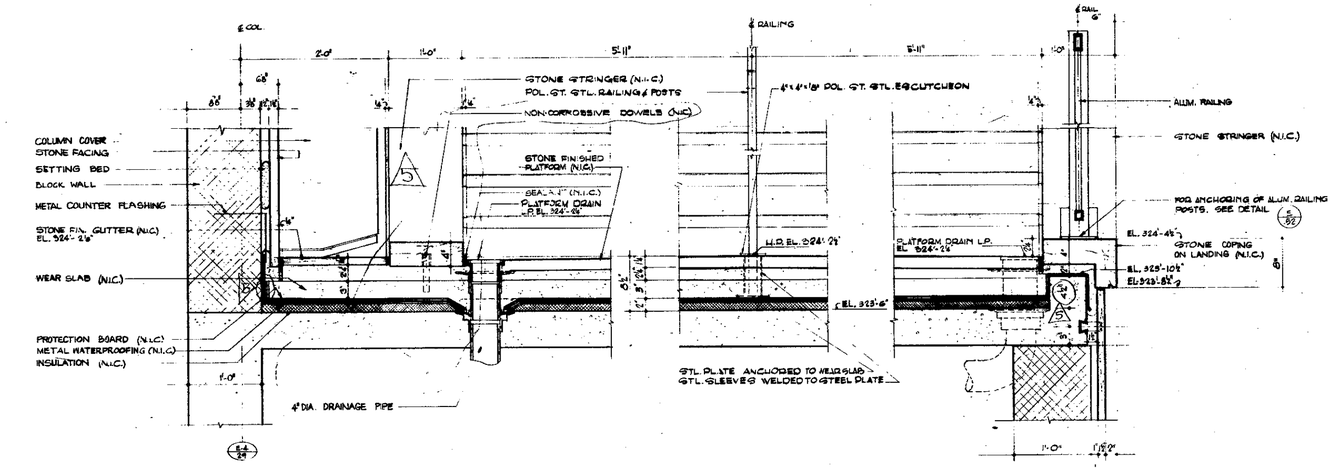
C 152 TREAD, STRINGER AND SIDE RAILING



D 152 SECTION THRU ALUM. RAILING POST
SCALE 3"=1'-0"



E 152 SECTION THRU ALUM. RAILING POSTS
SCALE 3"=1'-0"

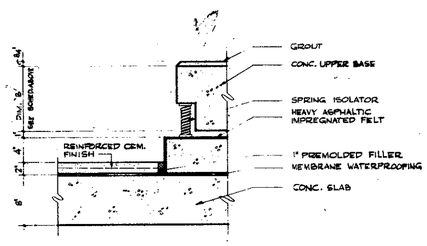


F 152 SECTION THRU GUTTER AND PLATFORM

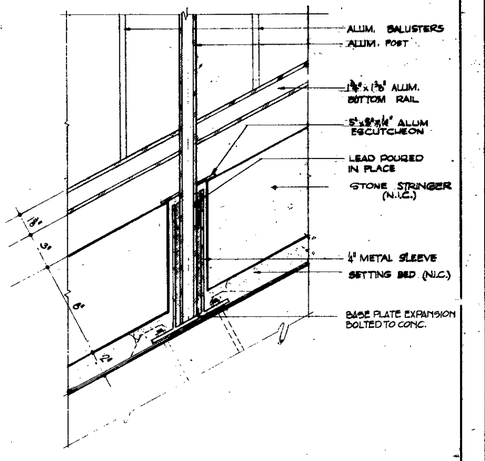
G 152 CENTER RAILING AND PLATFORM

H 152 PLATFORM, STRINGER AND SIDE RAILING

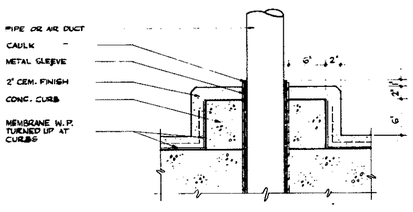
PUMP BASE SCHEDULE	
PUMP SIZE	DIM. "B"
5 - 25 H.P.	8"
30 - 50 H.P.	10"
OVER 50 H.P.	12"



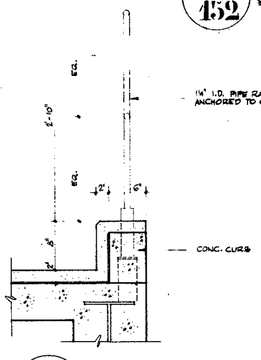
J 152 PUMP BASE DETAIL



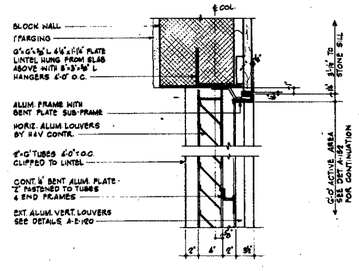
K 152 SECTION THRU ALUM. RAILING INTERMEDIATE POST
SCALE 3"=1'-0"



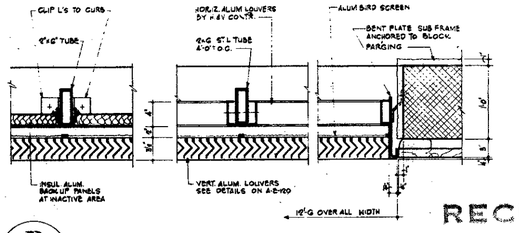
L 152 CURB AT PIPES AND DUCTS



M 152 CURB AND RAILING DETAIL



N 152 SECTION THRU LOUVER HEAD



P 152 LOUVER AT JAMB & MULLION

RECEIVED
DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	REVISIONS	BY
4	10-4-73	E-46	WTH
3	6-19-70	E-11	RTA
2	8-22-70	E-10	T.J.
1	4-16-70	E-7	RTA
A	11-13-69	E-1	RFA

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
S T R U C T U R A L E N G I N E E R S
JOSEPH R. LORING & ASSOCIATES
E L E C T R I C A L E N G I N E E R S

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING STAIR PL-7 DETAILS

DRAWN	MR	CHECKED	
SCALE	1/2"=1'-0" AND 3"=1'-0"	DATE	7-28-69
PROJECT		SHEET	OF
DRAWING NUMBER	A-E-152		

1/2"=1'-0": 0" 2" 4" 6" 8" 10" 1' 6"
3"=1'-0": 0 1" 2" 3" 4" 5" 6" 9"

IN PROGRESS

NORTH

HOLD LIGHTING IN THIS AREA

FOR REFLECTED CEILING PLAN OF THIS AREA SEE DWG. A-E-115

PATH SQUARE

SEE DWG. A/E 159 FOR CLG. PLAN & DETAILS IN THIS AREA

BANK LOBBY

LIGHTING FIXTURES - TYPE H-II

LIGHTING FIXTURES TYPE G-2 (MODIFIED)

LIGHTING FIXTURES TYPE G-2 (MODIFIED)

FOR REFLECTED CEILING PLAN OF THIS AREA SEE DWG. 1-A-E-D-4

RECEIVED

DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

E

DETAIL A

DETAIL B & B1

DETAIL C

DETAIL D

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS AND ABBREVIATIONS SEE DWGS. A-E-2 & A-E-3.
2. FOR LIGHTING FIXTURE TYPES SEE ELECTRICAL DRAWINGS.
3. THE CONTRACT LIMIT LINES INDICATED ON THIS DWG. ARE FOR CEILING FINISHES & LIGHTING FIXTURES ONLY.
4. FOR TYPICAL PLASTER CEILING JOINT DETAILS SEE
5. SOFFIT OF ALL RIBS IN BANK LOBBY AREA TO BE AT EL. 552'-6".
6. ALL LIGHTING FIXTURES ARE TYPE G-2 EXCEPT AS NOTED

Bulletins not dated are in process of completion

CONTRACT 3ID DRAWING date 8-15-69

NO.	DATE	DWL. NO.	BY
5	8-15-75	58-805	MWL
4	1-30-73	B-202	CHE
3	11-21-75	E-176	AC
2	8-16-73	E-177	T.F.
1	3-28-75	E-68	T.F.
0	3-28-75	E-65	AC
11	1-9-73	E-159	AC
10	9-17-73	E-174	AC
9	5-22-75	E-157	AC
8	2-28-75	E-156	AC

REVISIONS

NO.	DATE	DWL. NO.	BY
7	5-11-72	E-103	S.D.
6	11-16-71	E-69	L.J.
5	2-7-72	E-93	A.C.
4	12-27-71	E-36	WH
3	5-7-71	E-51	R.G.
2	5-12-70	E-40	R.K.A.
1	4-19-70	E-9	R.F.A.
0	4-15-70	E-7	L.J.
11	4-15-70	E-6	L.J.
10	11-25-69	E-3	R.F.A.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

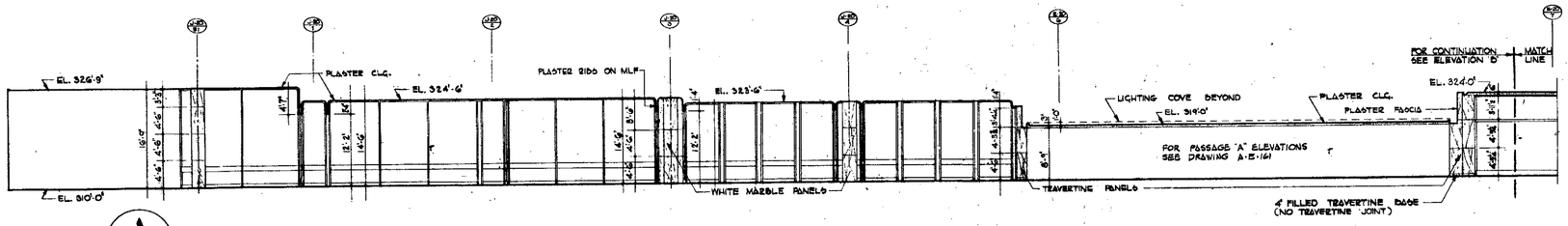
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

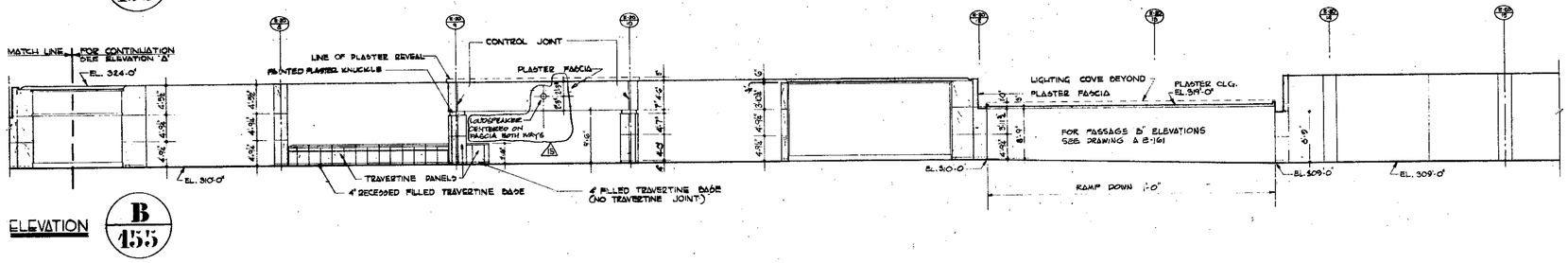
1/16" = 1'-0" 5 0 10 20 30 40

TITLE: NORTHEAST PLAZA BUILDING CONCOURSE REFLECTED CEILING PLAN

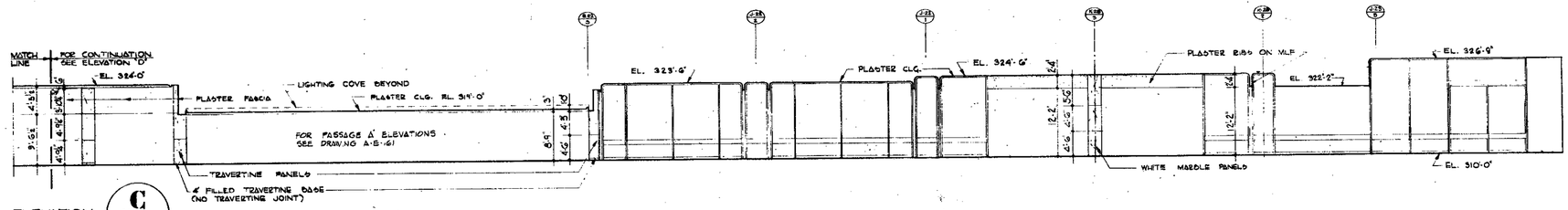
DRAWN	E.P.C. & R.R.
CHECKED	
SCALE	1/16" & 3/4" = 1'-0"
DATE	7-28-69
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-E-454



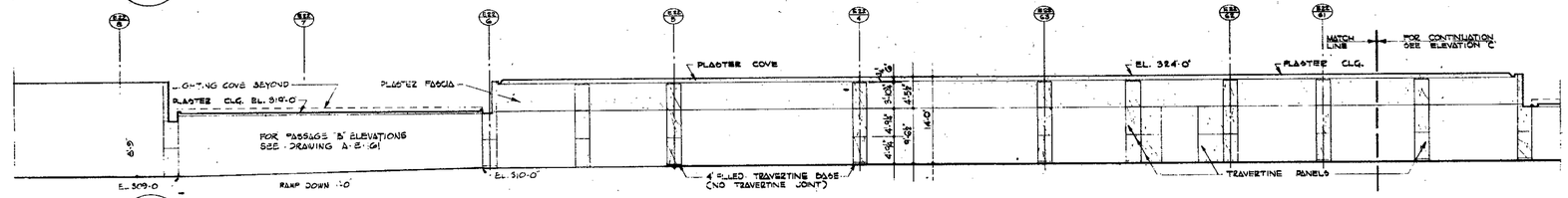
ELEVATION **A** / **455**



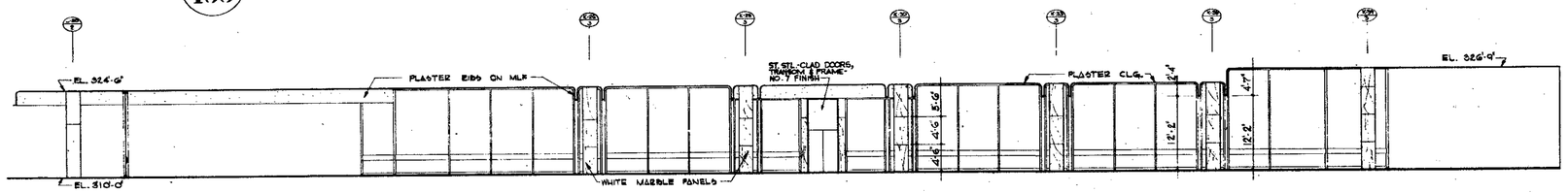
ELEVATION **B** / **455**



ELEVATION **C** / **455**



ELEVATION **D** / **455**



ELEVATION **E** / **455**

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-26-69

NO.	DATE	REVISIONS	BY
10	3-22-73	E-57	AC
9	2-23-73	E-56	AC
8	11-15-71	E-85	WM
7	9-17-71	E-74	WM
6	8-27-71	E-56	WM
5	6-7-71	E-51	W.M.
4	8-22-70	E-10	T.J.
3	4-19-70	E-5	AW
2	4-15-70	E-4	AW
1	2-18-70	E-7	DFA
10-30-70	E-202	VC	
7-23-70	E-198	DK	
5-14-70	E-193	SD	
3-23-70	E-176	AC	
1-9-70	E-169	AC	

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

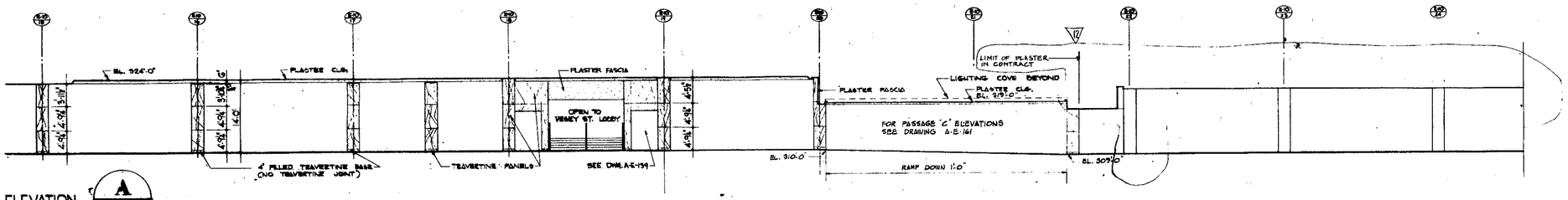
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

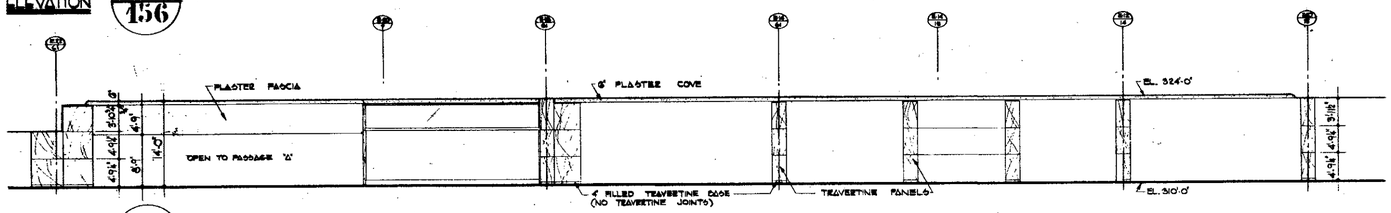
1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: NORTHEAST PLAZA BLDG. CONCOURSE ELEVATIONS

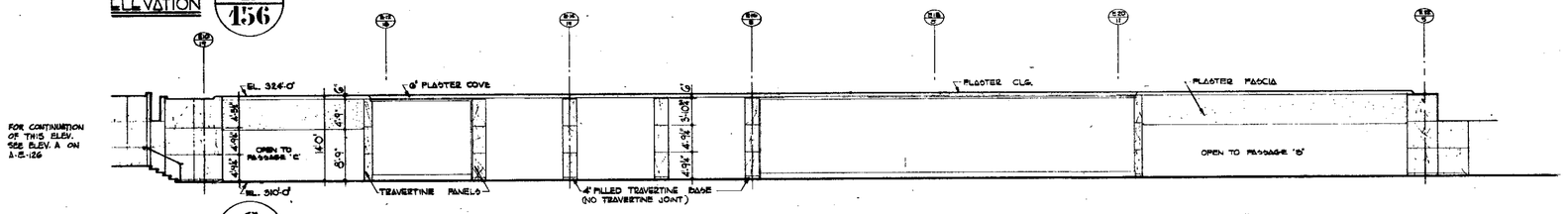
DRAWN	WTB	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7/28/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-155		



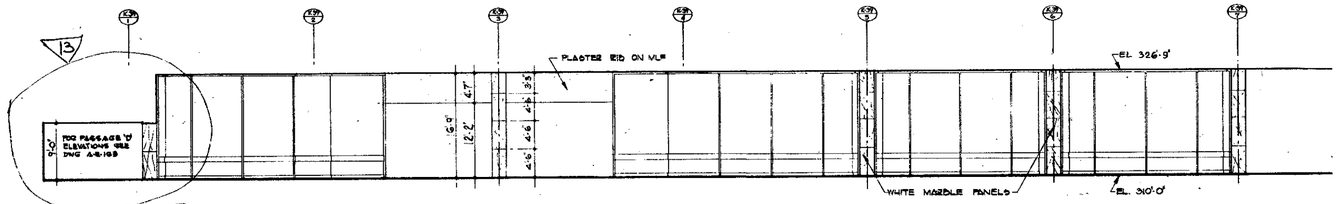
ELEVATION **A** / **156**



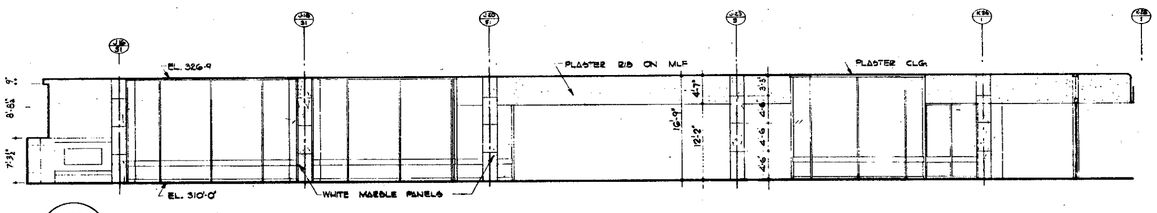
ELEVATION **B** / **156**



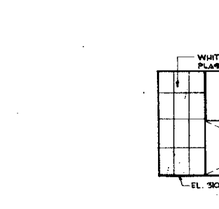
ELEVATION **C** / **156**



ELEVATION **D** / **156**

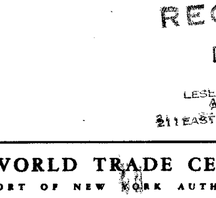


ELEVATION **F** / **156**

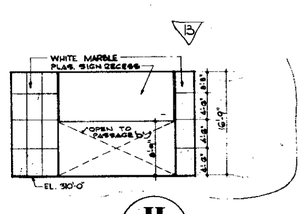


ELEVATION **G** / **156**

ELEVATION **E** / **156**



ELEVATION **J** / **156**



ELEVATION **H** / **156**

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	DESCR.	BY
5	5-19-75	56-306	JWL
M		E-252	L.R.
9	9-11-78	E-195	

REVISIONS

NO.	DATE	DESCR.	BY
6	6-16-78	E-193	S.D.
7	9-22-75	E-155	T.T.
8	3-24-75	B-67	J.C.
9	5-22-75	B-156	J.C.
10	7-27-78	E-150	S.D.
11	9-11-78	E-174	S.D.
12	5-27-71	B-36	WM
13	5-22-70	B-110	RTH
14	9-15-70	B-7	A.N.
15	11-28-69	B-1	K.F.A.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

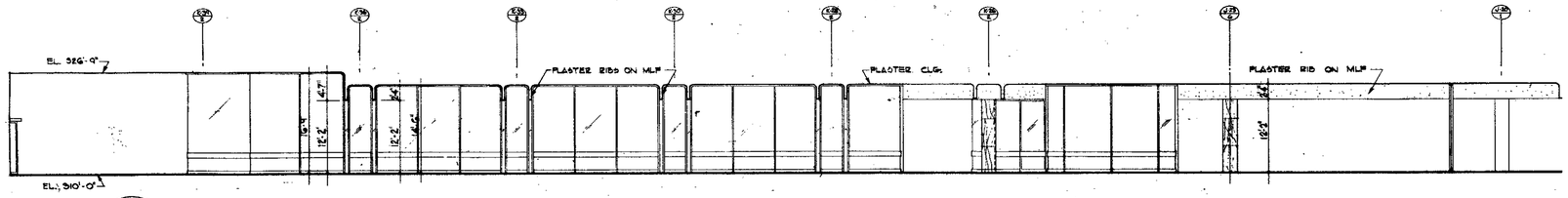
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

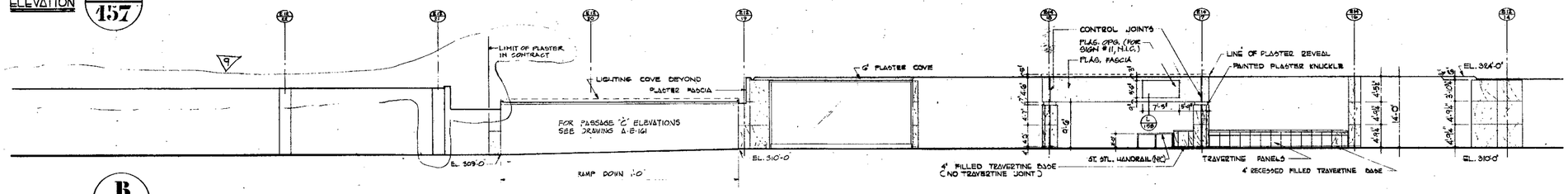
TITLE: NORTHEAST PLAZA BLDG. CONCOURSE ELEVATIONS

DRAWN: L.T.S. | CHECKED:
SCALE: 1/4"-1'-0" | DATE:
PROJECT MANAGER: | SHEET OF

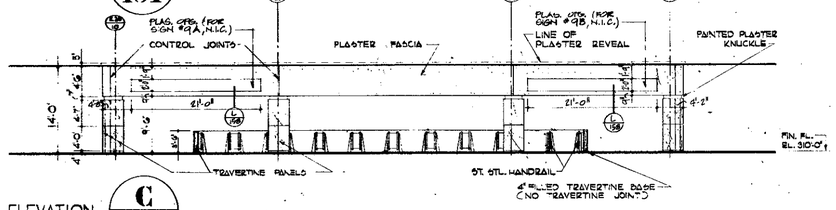
DRAWING NUMBER: **A-E-156**



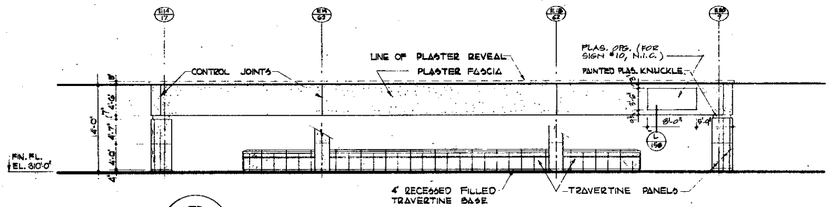
ELEVATION **A** / **157**



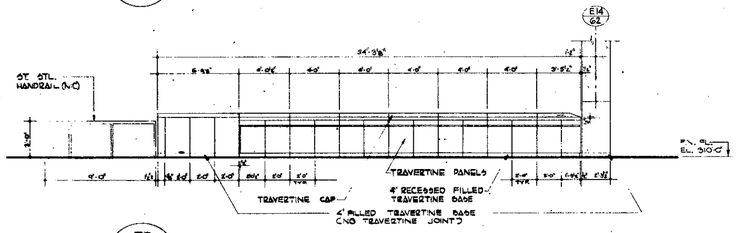
ELEVATION **B** / **157**



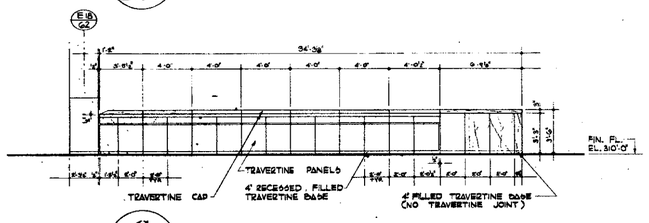
ELEVATION **C** / **157**



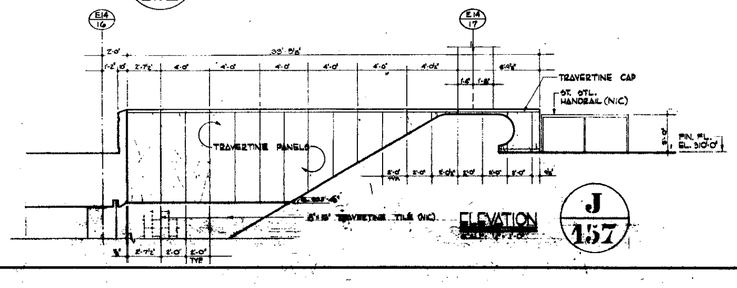
ELEVATION **D** / **157**



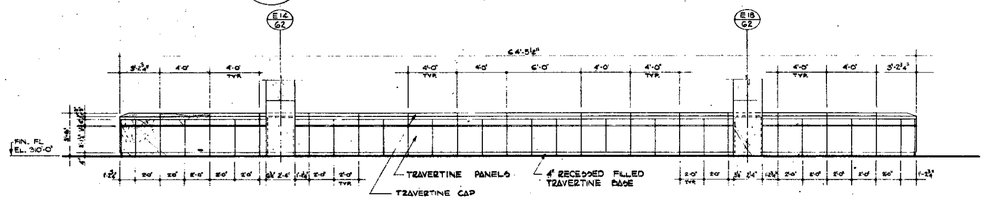
ELEVATION **E** / **157**
SCALE: 1/4"=1'-0"



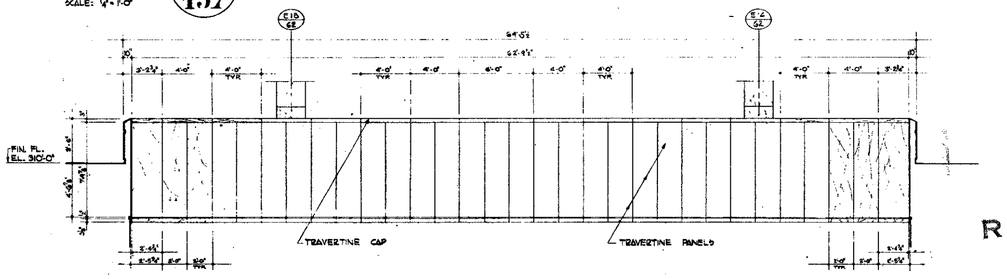
ELEVATION **G** / **157**
SCALE: 1/4"=1'-0"

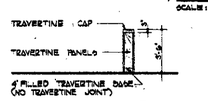


ELEVATION **J** / **157**



ELEVATION **F** / **157**
SCALE: 1/4"=1'-0"





ELEVATION **K** / **157**

ELEVATION **H** / **157**
SCALE: 1/4"=1'-0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.
CONTRACT B-D DRAWING DATE 8-29-69

NO.	DATE	DESCRIPTION	BY
		8-252	I.H.
2	2-26-70	E-198	DKE
3	8-14-70	E-193	G.D.
4	9-22-70	E-197	A.C.
5	9-17-70	E-176	WM
6	9-27-71	[illegible]	WM
6	5-2-71	E-31	W.A.
4	4-15-70	E-7	A.M.
1	11-16-69	E-1	R.R.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

1/8"=1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

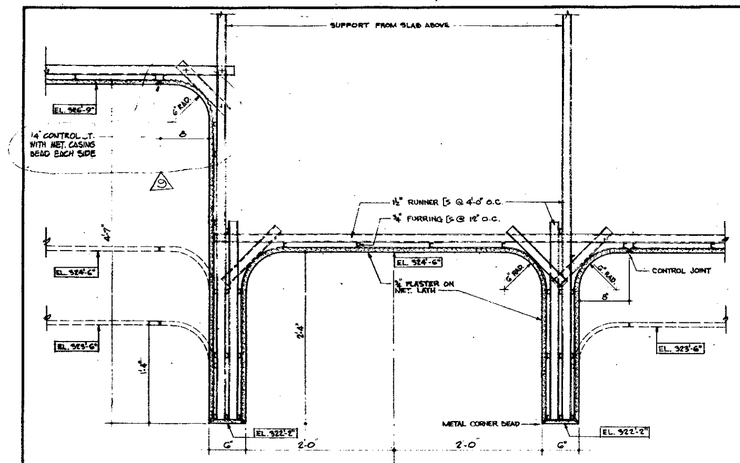
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

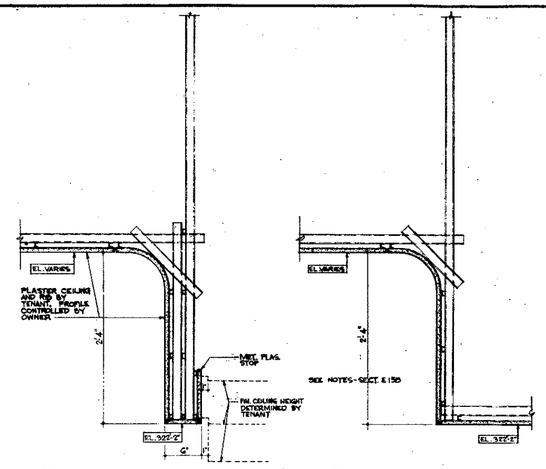
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BLDG. CONCOURSE ELEVATIONS

DRAWN	LJT	CHECKED	
SCALE	1/4"=1'-0" & 1"=1'-0"	DATE	7-28-69
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	A-E-157		

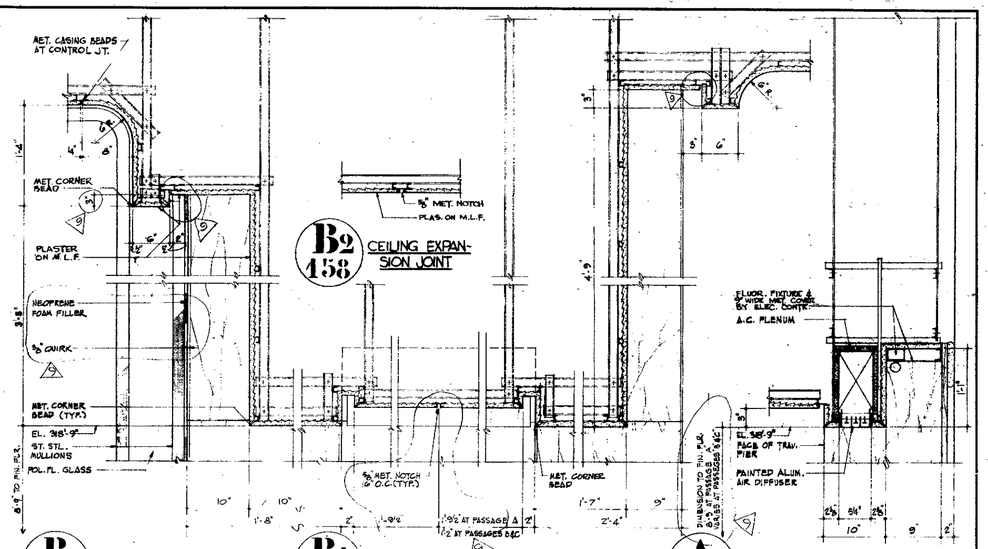


E 458 TYPICAL CEILING RIBS
SCALE: 1½" = 1'-0"



D 458 PERIPHERAL CEILING RIB
SCALE: 1½" = 1'-0"

C 458 DETAIL AT CEILING DROP
SCALE: 1½" = 1'-0"

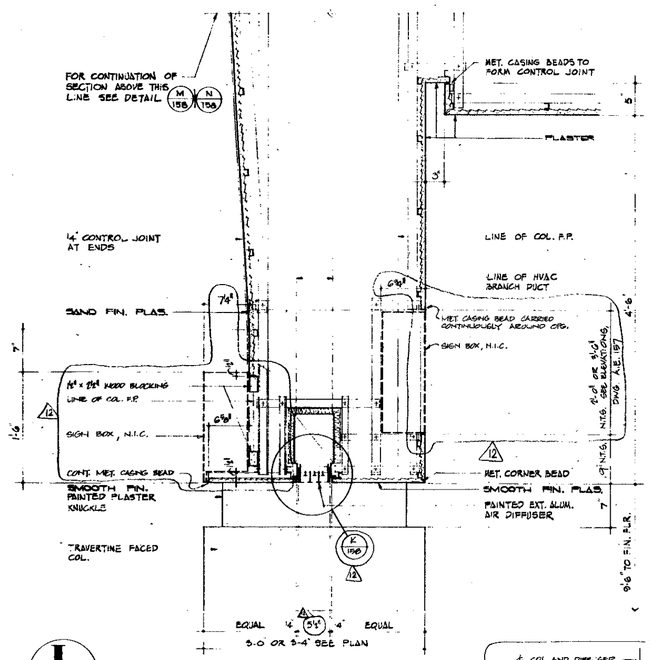


B2 458 CEILING EXPANSION JOINT

B 458 CEILING DETAIL AT WEST END OF PASSAGE A
SCALE: 1½" = 1'-0"

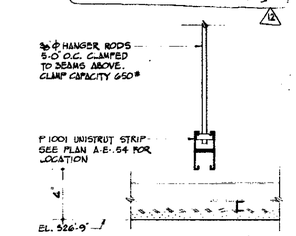
B1 458 CEILING DETAIL AT EAST END OF PASSAGE A & WEST END OF PASSAGES B&C
SCALE: 1½" = 1'-0"

A 458 CEILING DETAIL AT SIDES OF PASSAGES A, B, AND C
SCALE: 1½" = 1'-0"

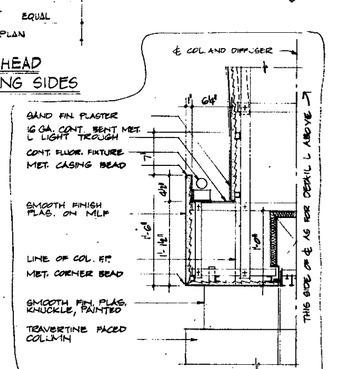


L 458 SECTION AT APRON OVER HEAD OF PATH ESCALATORS - LONG SIDES
SCALE: 1½" = 1'-0"

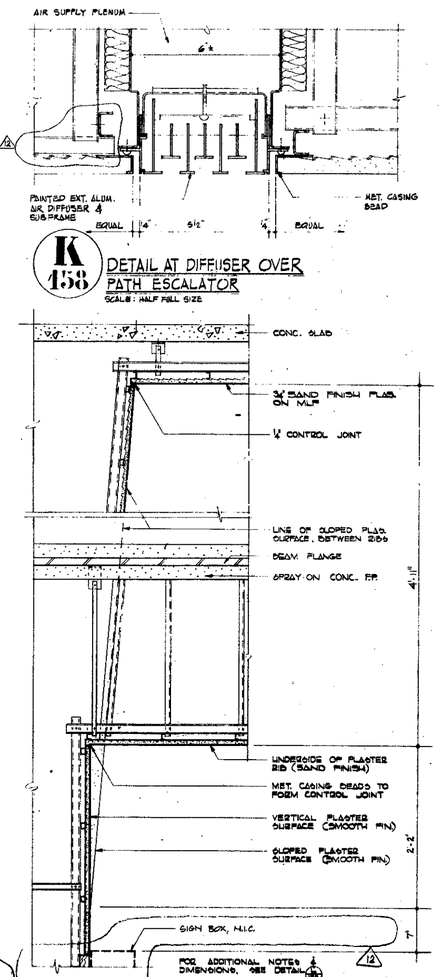
NOTE, SEE DETAIL T FOR CONDITION ALONG SHORT SIDES (AT ENDS)



S 458 UNISTRUT SIGN SUPPORT STRIP
SCALE: 3" = 1'-0"

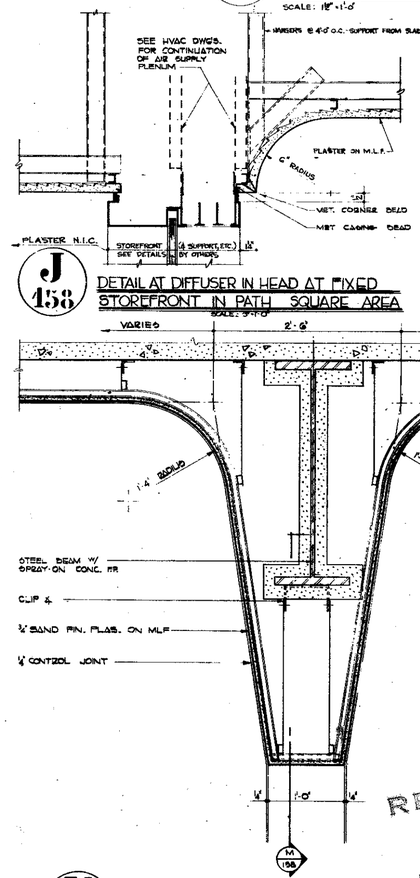


T 458 SECTION AT APRON OVER HEAD OF PATH ESCALATORS - SHORT SIDES (AT ENDS)
SCALE: 1½" = 1'-0"

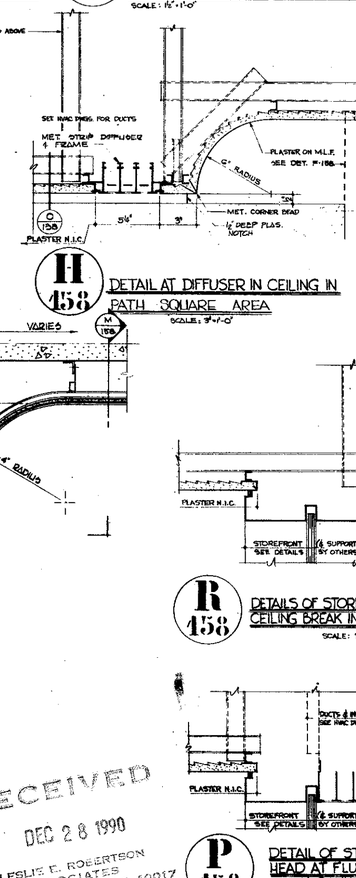


K 458 DETAIL AT DIFFUSER OVER PATH ESCALATOR
SCALE: HALF FULL SIZE

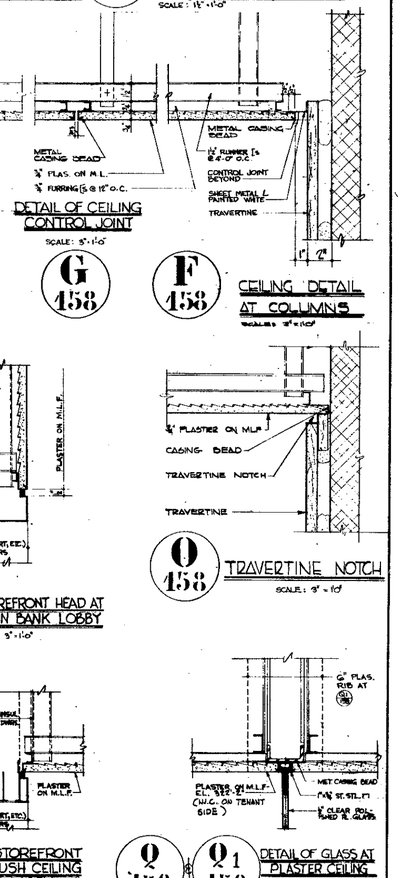
M 458 SECTION THRU END OF RIB
SCALE: ½" = 1'-0"



J 458 DETAIL AT DIFFUSER IN HEAD AT FIXED STOREFRONT IN PATH SQUARE AREA
SCALE: 3"=1'-0"



H 458 DETAIL AT DIFFUSER IN CEILING IN PATH SQUARE AREA
SCALE: 3"=1'-0"



G 458 DETAIL OF CEILING CONTROL JOINT
SCALE: 3"=1'-0"

F 458 CEILING DETAIL AT COLUMNS
SCALE: 3"=1'-0"

R 458 DETAILS OF STOREFRONT HEAD AT CEILING BREAK IN BANK LOBBY
SCALE: 3"=1'-0"

O 458 TRAVERTINE NOTCH
SCALE: 3" = 1'-0"

P 458 DETAIL OF STOREFRONT HEAD AT FLUSH CEILING IN BANK LOBBY
SCALE: 3"=1'-0"

Q 458 & Q1 458 DETAIL OF GLASS AT PLASTER CEILING IN BANK LOBBY
SCALE: 3"=1'-0"

N 458 CROSS SECTION THRU RIB
SCALE: ½" = 1'-0"

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING date 4-25-69

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

NO.	DATE	BUL. NO.	BY
		C	2-22-75	E-163	A.C.
		B		E-74	A.C.
		A	2-22-75	E-5"	A.C.
		7	2-22-75	E-156	A.C.
		6	1-7-72	E-05	S.D.
		5	2-7-72	E-95	WM
		4	8-8-71	E-39	WM
		3	6-27-71	E-36	A.C.
2	9-25-70	E-198	DR
1	3-23-70	E-176	T.F.

REVISIONS

NO.	DATE	BUL. NO.	BY
3	5-1-71	E-51	S.D.
2	11-28-69	E-7	RPA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

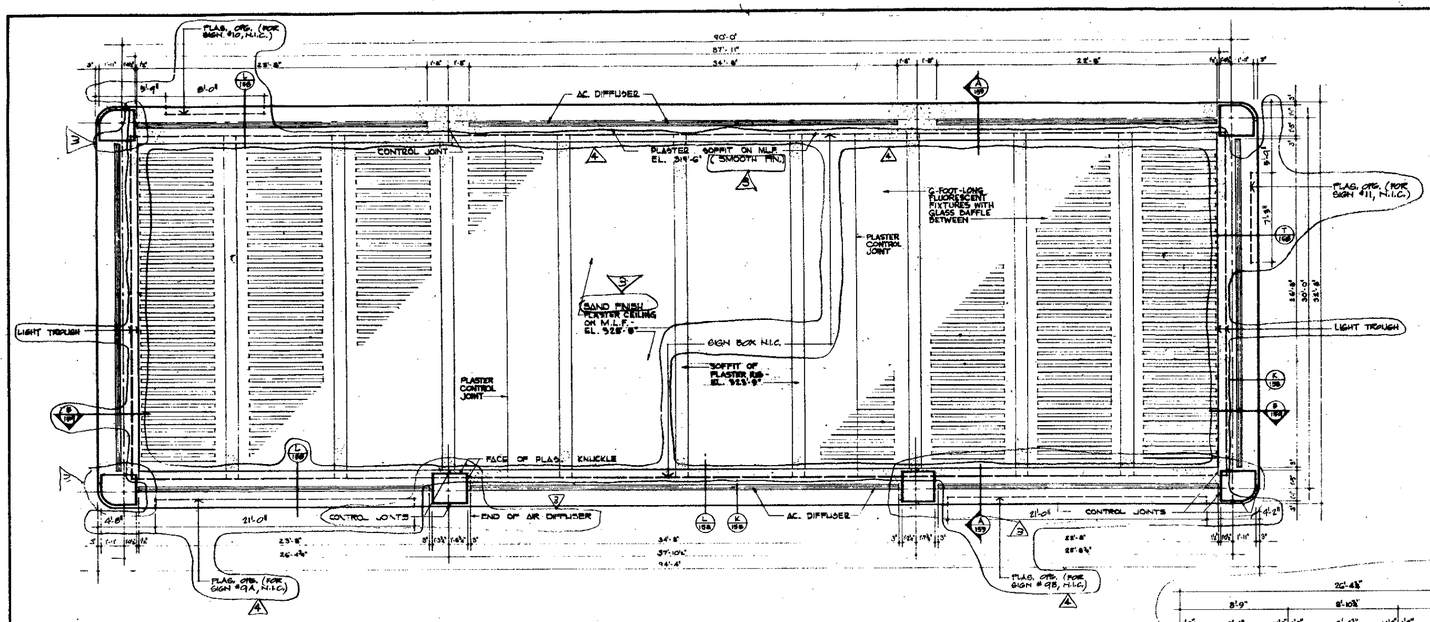
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

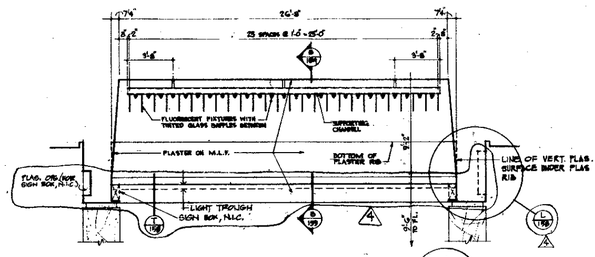
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
CONCOURSE CEILING DETAILS

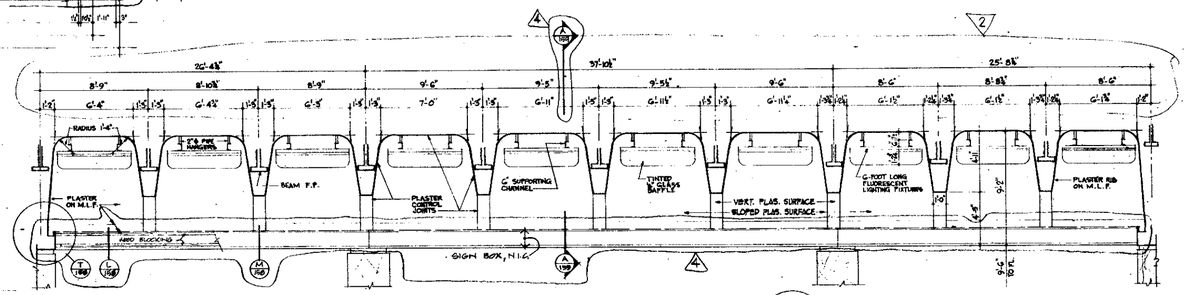
DRAWN	S.D.	CHECKED	
SCALE	1½" & AS NOTED	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-458		



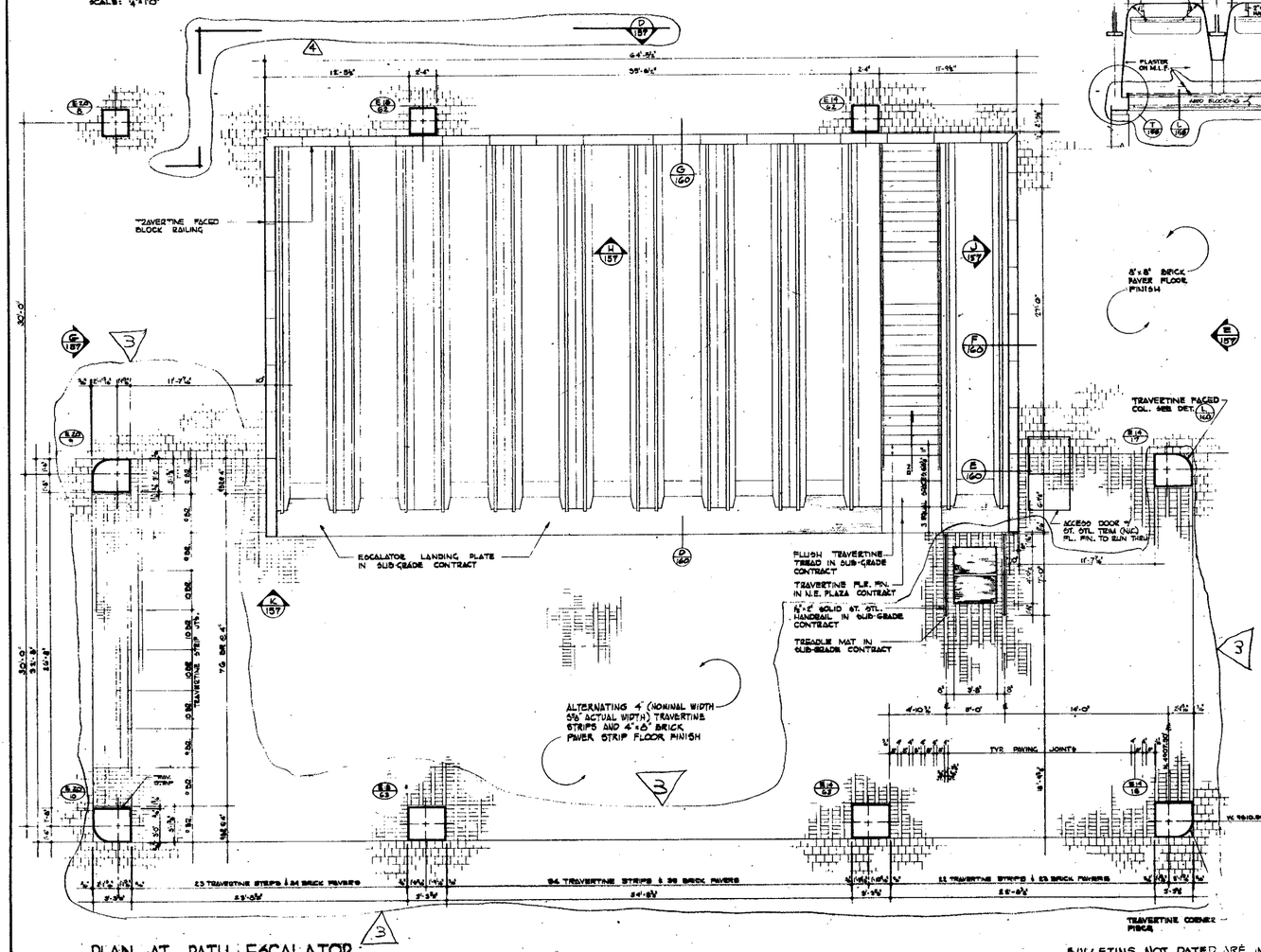
REFLECTED CEILING PLAN
SCALE: 1/4"=1'0"



TRANSVERSE SECTION THRU CEILING
SCALE: 1/4"=1'0"
A / 159



LONGITUDINAL SECTION THRU CEILING
SCALE: 1/4"=1'0"
B / 159



PLAN AT PATH ESCALATOR
SCALE: 1/4"=1'0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT 3D DRAWING DATE 8-29-69

NO.	DATE	SUB. NO.	BY
REVISIONS			
A	9-26-70	E-198	DK
A	9-17-71	E-174	JVT
A	6-8-71	E-59	A.C.
A	9-27-71	E-56	A.P.
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

1/4"=1'-0" 0 1 2 3 4 8 12

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PLAZA SQUARE PLANS & SECTIONS

DRAWN	J.T.	CHECKED	
SCALE	1/4"=1'-0"	DATE	6-7-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-459		

CUSTOM HOUSE (N.I.C.)
FOR FLOOR DEPRESSIONS & DUCTBANK SUBSTRUCTION SEE CUSTOM HOUSE CONTRACT DWGS.

SERVICE PASSAGE
TOP OF SLAB EL. (-0.5')
SLAB DEPR. (-8.0")

TENANT SPACE
INC. EL. ELECTRICAL
TOP OF SLAB EL. (-0.5')

TENANT SPACE
TOP OF SLAB EL. (-0.5')

TENANT SPACE

TENANT SPACE
SEE DWG. A2-19

TENANT DIVIDING PARTITION (TYP.)
SEE P.A. RENTAL DRAWINGS

STAIR 2-E
N.C.
FOR PLANS & DIMENSIONS SEE "TOWER A CONTRACT" DWGS

STAIR 2-F
N.C.
FOR PLANS & DIMENSIONS SEE "TOWER A CONTRACT" DWGS

ELEV. 2-E
N.C.

ELEV. 2-F
N.C.

SERVICE ELEV. 9
SLAB DEPR. (-8.0")

SERVICE ELEV. 10
SLAB DEPR. (-8.0")

A.C. SHAFT C.W.

CONCOURSE

PATH ESCALATORS

I.R.T. STAIR (SOUTHBOUND)
SLAB DEPR. (-8.0")

PIPE SPACE

PIPE SPACE

PIPE SPACE

PIPE SPACE

MATCH LINE 'A'
FOR CONTINUATION OF PLAN SEE DWG. A-2.19

MATCH LINE 'B'
FOR CONTINUATION OF PLAN SEE DWG. A-2.19

MATCH LINE 'C'
FOR CONTINUATION OF PLAN SEE DWG. A-2.19

MATCH LINE 'D'
FOR CONTINUATION OF PLAN SEE DWG. A-2.19

LINK-A
NOTE
FOR PLAN & DIMENSIONS SEE CONTRACT NO. AE-167 TO AE-169

NOTE
LIMIT LINE OF WORK INCLUDES ALL WORK AREAS AS SHOWN ON PLAN EXCEPT FOR AREAS MARKED "OUT OF THIS CONTRACT" AND AREAS FOR CONSTRUCTION ONLY.

NOTE
TRUCKAGE DUCTS ABOVE WITH 2 SEPARATE LAYERS OF 16TH LATH & 1" SEPARATE CAST IRON SPACERS FOR MINIMUM CLEARANCE SEE ARCHIT. & STRUCT. DRAWINGS.

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-2.01 & A-2.02
2. FOR CONCRETE 'L' SCALE CORES REFER SEE DRAWING A-2.01
3. ALL ELEVATIONS GIVEN THUS (7.00) ARE TAKEN IN RELATION TO FINISH FLOOR ELEVATION 310'-0"
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A2-116
6. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (TO 0.01) UNLESS OTHERWISE SHOWN OR NOTED.
7. CURVE AND RADIUSED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATOR SHAFT AND SHALL BE 90° MINIMUM FROM HORIZONTAL. SEE TYPICAL DETAILS
8. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
9. FOR SUITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
10. ALL PARTITIONS SHOWN UNDETAILED ARE NOT INCLUDED IN THIS CONTRACT.
11. PIPING FROM CAVITIES TO SPRINKLERS CONTROL VALVES, FIRE SPRINKLER SERVICE SEE SPECIFICATION
12. PROVIDE LOOSE CUTTING WHERE ALL DUCTS PASSING THRU HORIZONTALLY MOLD CELLS (WITH TOWER)
13. EXPANSION JOINTS BETWEEN TRUCKAGE AND NEW R.C. SURFACES LAYERS OF METAL LATH AND PLASTERING OR MORTAR SHALL BE OMITTED. FOR ENTIRETY OF EXPANSION JOINT SEE ARCHITECTURAL DRAWINGS.

KEY PLAN
1" = 200'-0"

TYPICAL DETAIL A/16 OF WALL AT ISOLATION JOINT

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-15-80

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTR. FROM

REVISIONS

NO.	DATE	BULL. NO.	BY
1	10-31-75	E-103	L.J.
2	9-2-76	E-170	L.J.
3	1-19-78	E-189	DS
4	5-22-78	E-189	DS
5	9-26-78	E-195	V.S.
6	5-23-79	E-197	V.S.
7	7-18-79	E-199	L.J.
8	4-25-79	E-198	L.J.
9	4-06-79	E-196	L.J.
10	3-1-72	P-108	L.J.
11	2-6-73	E-101	L.J.
12	1-28-74	E-160	L.J.
13	11-15-77	E-193	L.J.
14	1-28-72	E-182	L.J.
15	2-10-72	E-185	L.J.
16	10-27-71	E-178	L.J.
17	8-9-71	E-166	L.J.
18	8-31-71	E-181	L.J.

NO.	DATE	BULL. NO.	BY
A	1-7-71	E-5	L.J.
B	10-15-71	E-106	L.J.
C	8-5-71	E-98	L.J.
D	7-26-70	E-13	A.M.
E	7-24-70	E-16	A.M.
F	5-22-70	E-10	D.G.
G	4-15-70	E-5	D.G.
H	4-16-70	E-7	D.G.
I	11-25-69	E-1	A.C.

APPROVED
CHIEF, PLUMBING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

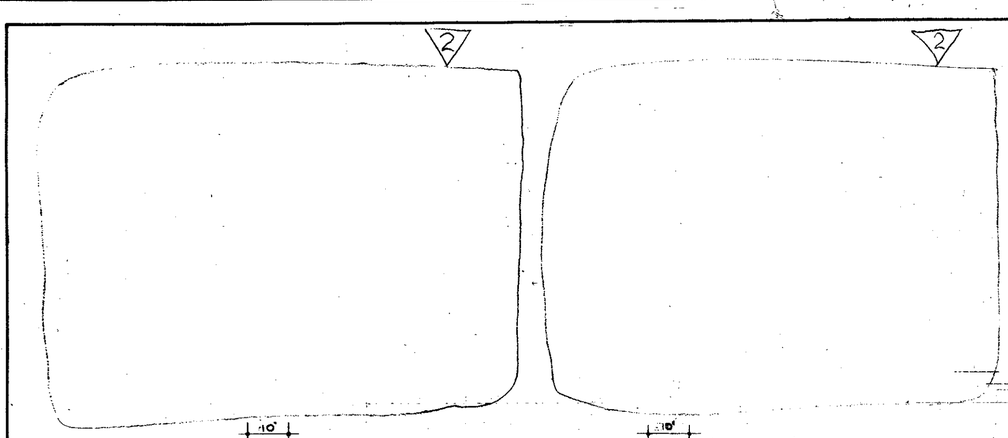
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

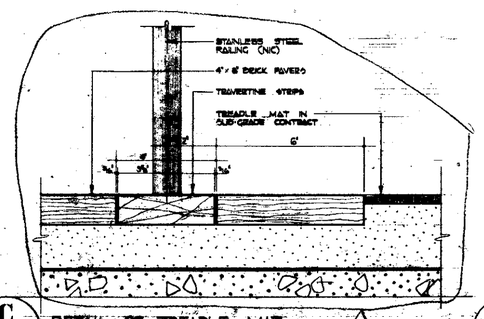
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

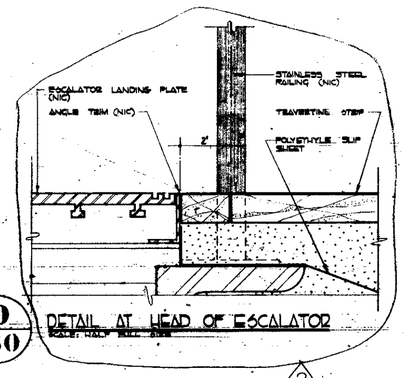
TITLE: NORTHEAST PLAZA BUILDING
1ST FLOOR PLAN
(CONCOURSE LEVEL)
EL 310'-0" C.W.

DRAWN	CHECKED
SCALE 1/16" = 1'-0"	DATE 7-25-80
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-E-16

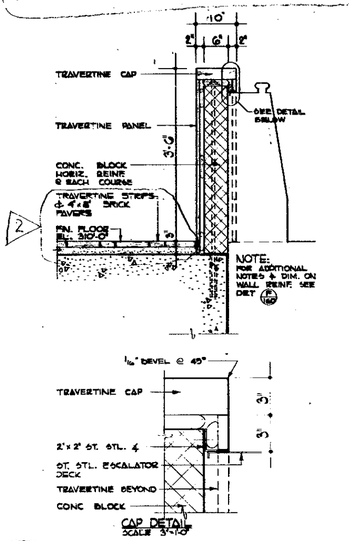




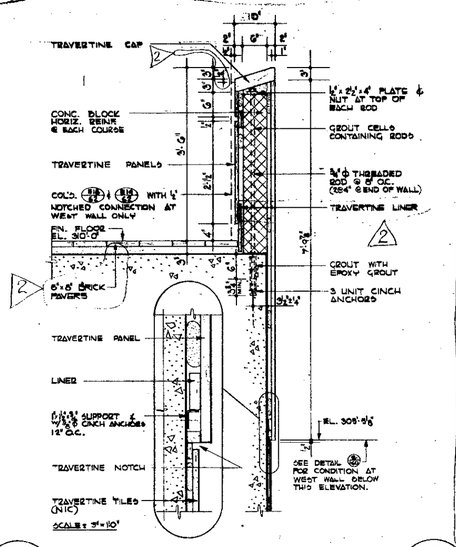
C/460 DETAIL OF TREADLE MAT



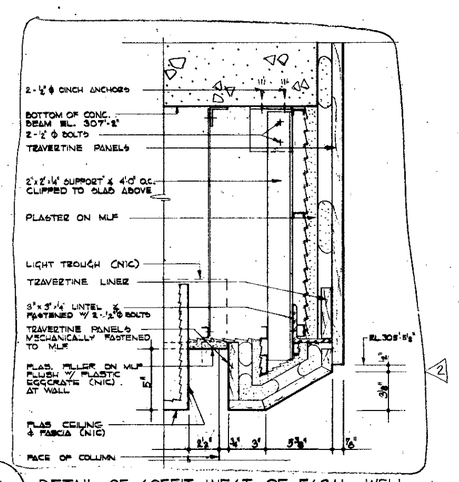
D/460 DETAIL AT HEAD OF ESCALATOR



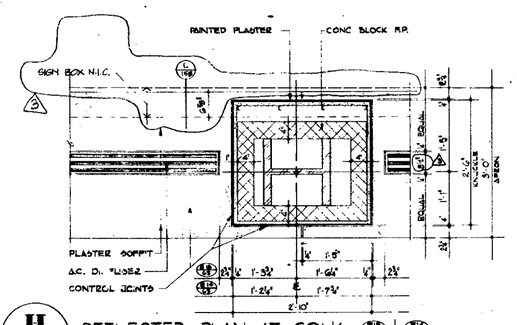
E/460 SECTION THRU STONE RAILING AT ESCALATOR HEAD



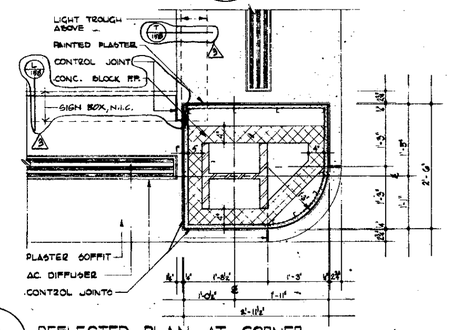
F/460 SECTION THRU STONE RAILING NORTH & SOUTH OF ESCAL. WELL



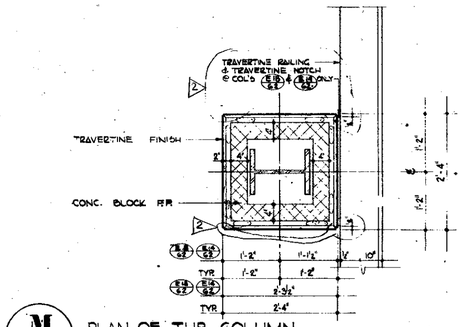
G/460 DETAIL OF SOFFIT WEST OF ESCAL. WELL
SECTION THRU STONE RAILING ABOVE, SIM. TO DET. (E12/9)
SCALE: 3"=1'0"



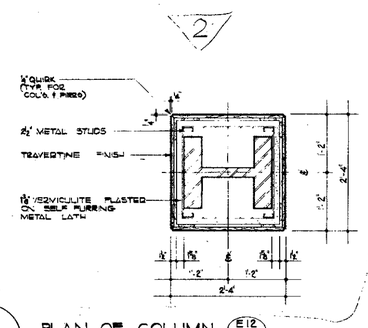
H/460 REFLECTED PLAN AT COL'S. (E10/9) & (E14/9) THRU KNUCKLE



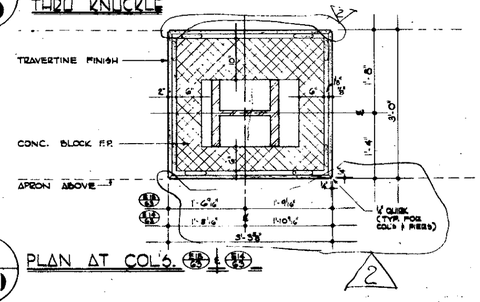
K/460 REFLECTED PLAN AT CORNER COL'S. THRU KNUCKLE



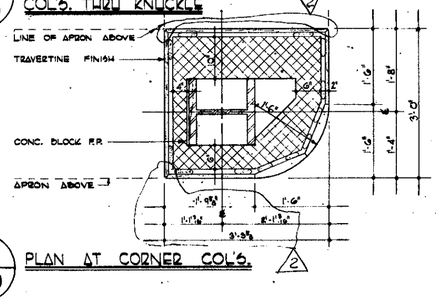
M/460 PLAN OF TYP. COLUMN IN PATH SQUARE



N/460 PLAN OF COLUMN (E12/9)



J/460 PLAN AT COL'S. (E10/9) & (E14/9)



L/460 PLAN AT CORNER COL'S.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING DATE:

NO.	DATE	REVISION NO.	BY
1	9-25-72	E-198	DR
2	11-13-72	E-174	WT
3	2-27-73	E-56	WTL

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

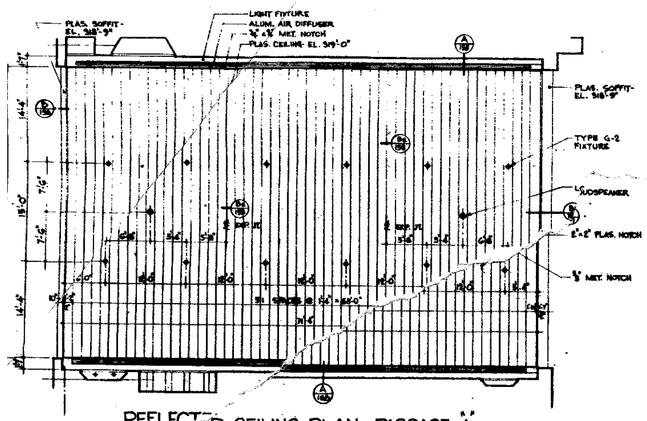
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

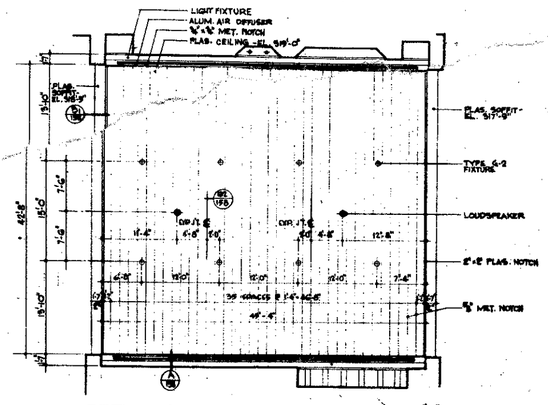
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: "PATH SQUARE" DETAILS

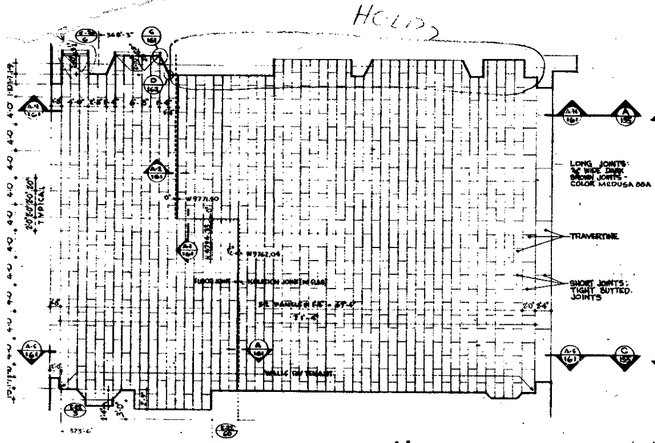
DRAWN	WT	CHECKED	
SCALE	3"=1'-0" & 1"=1'-0"	DATE	5-9-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-160		



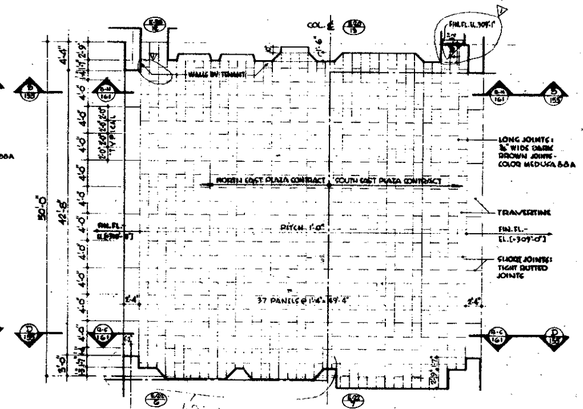
REFLECTED CEILING PLAN - PASSAGE "A"
SCALE: ⅛" = 1'-0"



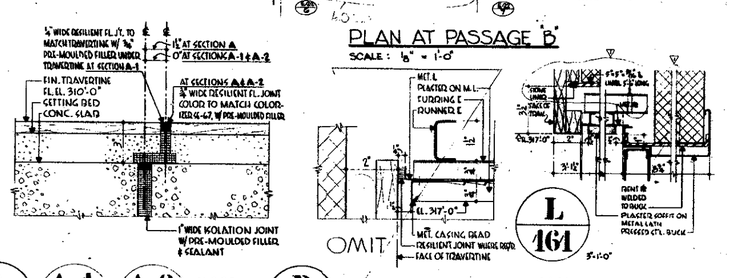
REFLECTED CEILING PLAN - PASSAGE "B"
SCALE: ⅛" = 1'-0"



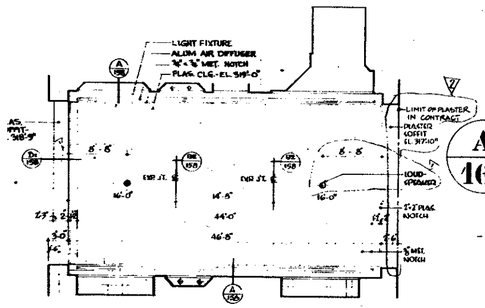
PLAN AT PASSAGE "A"
SCALE: ⅛" = 1'-0"



PLAN AT PASSAGE "B"
SCALE: ⅛" = 1'-0"

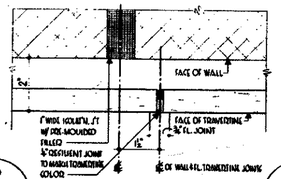


L 161 — 3"=1'-0"



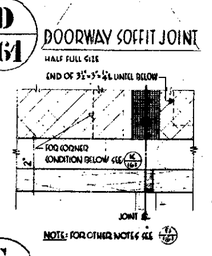
REFLECTED CEILING PLAN - PASSAGE "C"
SCALE: ⅛" = 1'-0"

A 161 / A-1 161 / A-2 161 — FLOOR JOINT — 3"=1'-0"

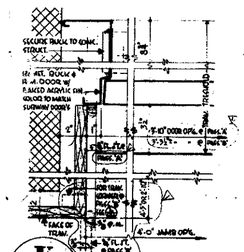


B 161 — WALL JOINT — HALF FULL SIZE

D 161 — DOORWAY SOFFIT JOINT — HALF FULL SIZE

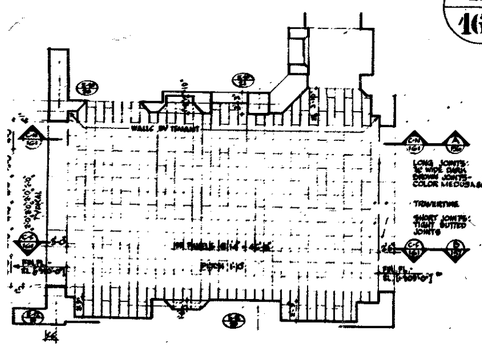


C 161 — WALL JOINT BELOW CEILING — HALF FULL SIZE

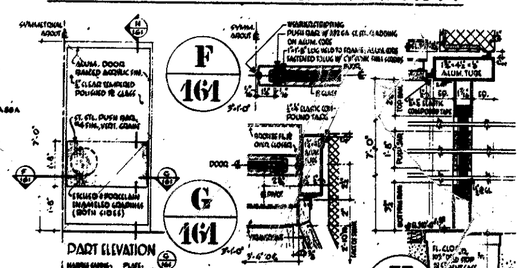


K 161 — SERVICE DOOR DETAILS. PASSAGE A & B — 3"=1'-0"

ISOLATION JOINT DETAILS - PASSAGE "A"



PLAN AT PASSAGE "C"
SCALE: ⅛" = 1'-0"

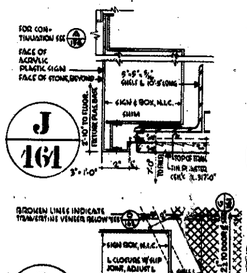


F 161 — 3"=1'-0"

G 161 — 3"=1'-0"

PART ELEVATION — SUBWAY ENTRANCE

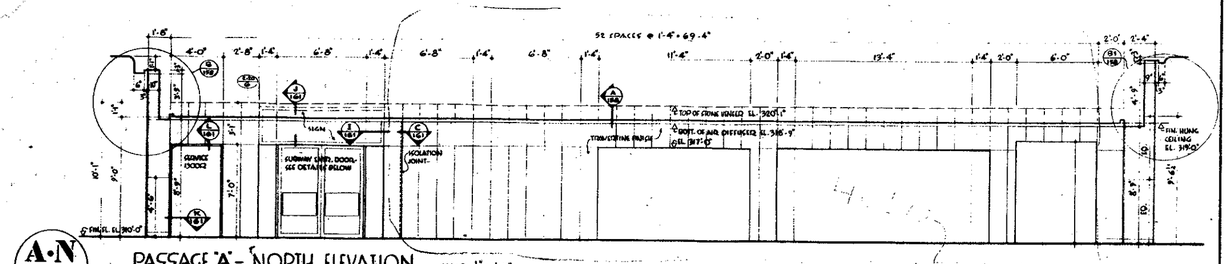
H 161 — 3"=1'-0"



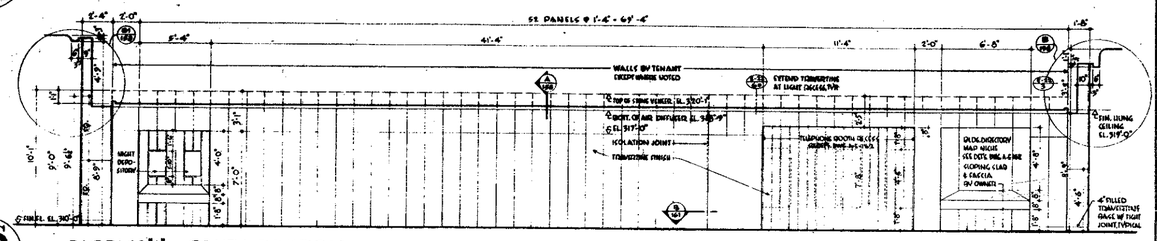
J 161 — 3"=1'-0"

I 161 — 3"=1'-0"

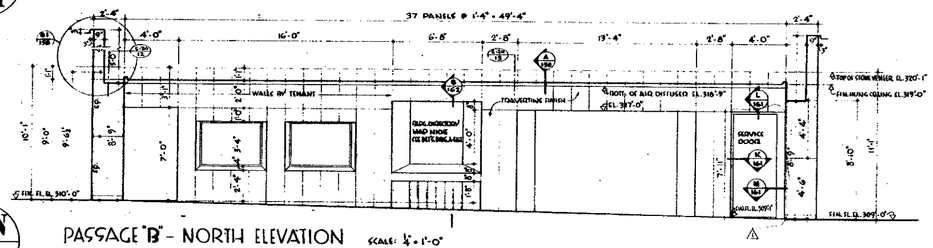
M 161 — 3"=1'-0"



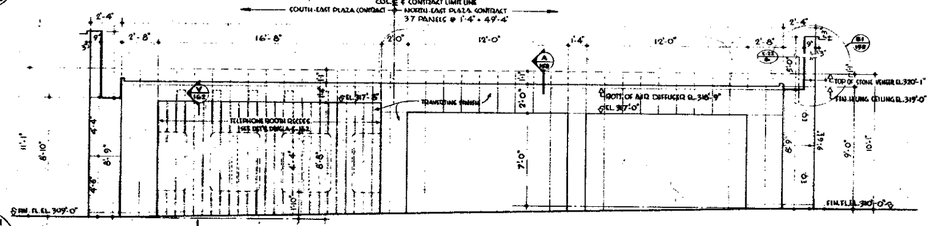
A-N 161 — PASSAGE "A" - NORTH ELEVATION — SCALE: ¼" = 1'-0"



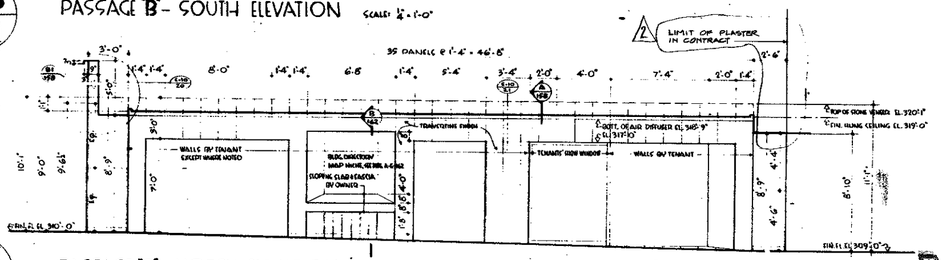
A-S 161 — PASSAGE "A" - SOUTH ELEVATION — SCALE: ¼" = 1'-0"



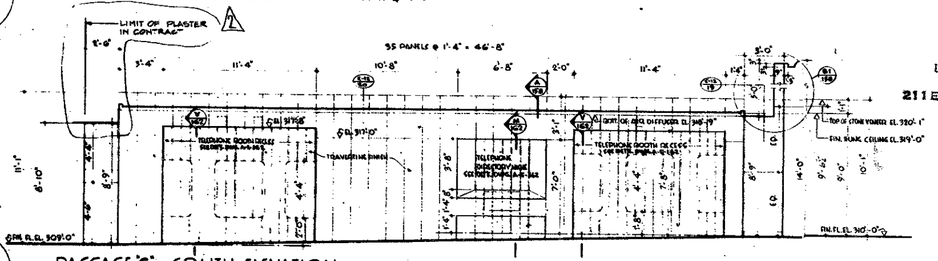
B-N 161 — PASSAGE "B" - NORTH ELEVATION — SCALE: ¼" = 1'-0"



B-S 161 — PASSAGE "B" - SOUTH ELEVATION — SCALE: ¼" = 1'-0"



C-N 161 — PASSAGE "C" - NORTH ELEVATION — SCALE: ¼" = 1'-0"



C-S 161 — PASSAGE "C" - SOUTH ELEVATION — SCALE: ¼" = 1'-0"

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

GENERAL NOTE:
ALL STONE VENEER JOINTS ARE BUTT JOINTS UNLESS OTHERWISE STATED.

CONTRACT BID DRAWING date — BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

ROTH & SONS
ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

EMERY ROTH & SONS
EMERY ROTH & SONS

TITLE: NORTHEAST PLAZA BUILDING PLANS AND DETAILS OF CONNECTING PASSAGES IN CONCOURSE AREA

DRAWN	S.D.	CHECKED	
SCALE	AS NOTED	DATE	

NORTH

SUBWAY ENTRANCE

CONCOURSE
FIN. FL. EL. 21.0 (C.E.)
TOP OF SLAB EL. 20.0 (C.E.)
SEE ARCHITECTURAL DRAWINGS FOR FINISHES, CEILING HEIGHTS AND PARTITIONS SEE CONCOURSE LEVEL DRAWINGS

PATH ESCALATORS
PIT 70 F-11
SEE PLAN & DIMENSIONS SEE PATH TENANTS CONTRACT DRAWINGS A-4-81 THRU A-4-85 AND PLAN OF 1ST BASEMENT LEVEL CONTRACT DRAWINGS

TENANT SPACE
FOR SE PLAZA BLDG. SEE TENANTS ARCHITECTS DRAWINGS.

TENANT SPACE
FOR NE PLAZA BLDG. SEE TENANTS ARCHITECTS DRAWINGS.

TENANT SPACE
FIN. FL. EL. 21.0 (C.E.)
TOP OF SLAB EL. 19.67

TENANT SPACE
FOR NE PLAZA BLDG. SEE TENANTS ARCHITECTS DRAWINGS.

ELEC. SHAFT

ELECTRIC DISTRIBUTION ROOM "B"

ELEC. COND. SHAFTS

TENANT SPACE
FOR NE PLAZA BLDG. SEE TENANTS ARCHITECTS DRAWINGS.

ESCALATOR E-1
SEE PLANS, DRTS-3 & DRTS-4 FOR ADDITIONAL DIMENSIONS

ESCALATOR E-2

ESCALATOR E-3
SEE PLAN, DRTS-3

ESCALATOR E-4
SEE PLAN, DRTS-3

STAIR #10

STAIR #9

STAIR #8

STAIR #7

STAIR #6

STAIR #5

STAIR #4

STAIR #3

STAIR #2

STAIR #1

STAIR #11

STAIR #12

STAIR #13

STAIR #14

STAIR #15

STAIR #16

STAIR #17

STAIR #18

STAIR #19

STAIR #20

STAIR #21

STAIR #22

STAIR #23

STAIR #24

STAIR #25

STAIR #26

STAIR #27

STAIR #28

STAIR #29

STAIR #30

STAIR

NORTH

TOWER 'A'

TENANT SPACE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-3")

MATCH LINE 'D'
FOR CONTINUATION OF PLAN SEE DWG A-E-116

TENANT SPACE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")

NOTE
FIREPROOF DUCTS ABOVE WITH 3 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER HARD TO DUCTS. FOR EXTENT OF FIREPROOFING SEE MECHANICAL ENGINEERS DRAWINGS.

PIPE SPACE

JAN. CL. #2
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")
NOTE: SEE ARCHITECTS DRAWINGS FOR CONSTR. DETAILS

STAIR K-2
(N.I.C.)

ELEV. K-1
(N.I.C.)
SEE ELEVATOR MACH. DRAWINGS FOR SUB-GRADE DEPTH. PLANS

TENANT DEMISING PARTITION (N.I.C.) FOR FINAL LOCATION SEE FIN. FLOOR PLANS

SERVICE PASSAGE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")
SOFFIT CEIL. (18'-0")

CONCOURSE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")

TENANT SPACE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")

TENANT SPACE
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-0")

PIPE SPACE

PIPE SPACE

PIPE SPACE

PIPE SPACE

NOTE
LIMIT LINE OF WORK INCLUDED IN NORTHWEST BUILDING CONTRACT. FOR WORK WEST AND SOUTH OF THIS LINE (N.I.C.) AND SHOWN FOR CONFIGURATION ONLY.

NOTE
LIMIT LINE OF WORK INCLUDED IN NORTHEAST BUILDING CONTRACT. FOR WORK EAST OF THIS LINE (N.I.C.) AND SHOWN FOR CONFIGURATION ONLY.

NOTE:
FOR WINDOWS AND DETAILS ABUT OF THIS LINE SEE DWG. A-E-105.

NOTE:
SEE PLANS & DIMENSIONS THE TOWER 'B' CONTRACT DRAWINGS

HOTEL
SEE HOTEL CONTRACT DRAWINGS PARTITIONS, DIMENSIONS AND FINISHES

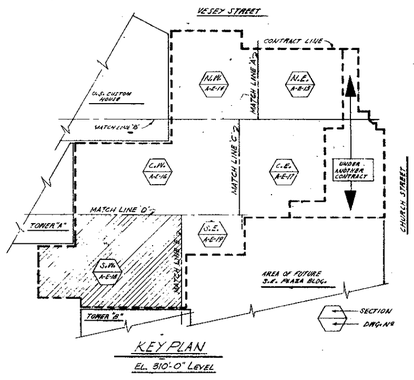
TOWER 'B'
SEE PLANS & DIMENSIONS SEE TOWER 'B' CONTRACT DRAWINGS

STAIR K-4
(N.I.C.)

Notes

1. FOR GENERAL NOTES, KEY TO MATERIAL ABBREVIATIONS & NON-SCHEDULE DOOR SCHEDULE & SYMBOLS OF DRAWING SEE DRAWINGS A-E-1.0 & A-E-1.1
2. FOR COMPLETE ¼" SCALE CORE PLAN SEE DRAWING A-E-1.10
3. ALL ELEVATIONS SHOWN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR WHICH IS ELEVATION 30'-0"
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-E-1.66
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (TYP.) UNLESS OTHERWISE SHOWN OR NOTED
7. CUTS ARE REQUIRED ON ALL MECH. PROJECTIONS OVER 5" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75" FROM HORIZONTAL SEE TYPICAL DETAILS.
8. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
9. FOR SUITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
10. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT
11. PROVIDE MOH LADDERS TO SPRINKLER CONTROL VALVES. U.O.F. SPRINKLER DWGS FOR LOCATION.
12. PROVIDE LOUVRE UNITS OVER ALL DUCTS PASSING THRU MASONRY WALLS (SEE MECH DWG)
13. FIREPROOF DUCTS BETWEEN TENANCIES WITH 3 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER HARD TO DUCTS. FOR EXTENT OF FIREPROOFING SEE MECH. DWGS.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017



KEY PLAN
EL. 310'-0" LEVEL

CONTRACT BID DRAWING date 5-25-69

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
13	5-31-72	S.B. 205	WL
12	9-21-71	B-188	DE
11	4-20-71	B-110	WL
10	4-20-71	B-114	WL
9	5-11-72	B-178	LJ
8	5-2-72	B-172	LJ
7	9-10-71	B-91	LJ
6	1-20-72	B-180	LJ
5	1-28-72	B-179	LJ

NO.	DATE	BUL. NO.	BY
4	12-9-71	B-148	WL
3	10-6-71	B-98	WL
2	8-4-71	B-61	WL
1	6-30-71	B-40	WL
	5-25-71	B-1	WL
7	5-1-72	B-181	WL
6	10-6-71	B-128	LJ
5	5-4-72	B-175	LJ
4	7-26-72	B-196	AA
3	6-20-72	B-190	DG
2	6-16-72	B-186	DG
1	11-20-69	B-1	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BLDG. EL 310 FLOOR PLAN S.W. SECTION

DRAWN: [illegible] CHECKED:
SCALE: 1/8"=1'-0" DATE: 7-25-69
PROJECT NUMBER: SHEET: OF
DRAWING NUMBER: A-E-46

5/31/69 REVISED SERVICE VEST. 2 & UNI. CL. #2

NORTH

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-E-1.17B & A-E-1.17C.
2. FOR CONCRETE & STEEL SIZES PLAN SEE DRAWING A-E-1.08
3. ALL ELEVATIONS SHOWN THUS "(10'-0")" ARE TAKEN AT RELATION TO FINISH FLOOR WHICH IS ELEVATION 310'-0"
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-E-2.10.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (-0.04") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ASSUMED ON ALL SLAB PROJECTIONS OVER 12" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE A MINIMUM 12" YEAR HORIZONTAL. SEE TYPICAL DETAILS.
8. CHANNELS AND TOILET FIXTURE LAYOUTS ARE AS SHOWN SEE ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND KNOX DETAILS.
9. FOR E.W.T.S. AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
10. ALL PARTITIONS SHOWN UNNUMBERED ARE NOT INCLUDED IN THIS CONTRACT
11. PROVIDE IRON LADDERS TO ACCESS CONTROL VALVES SEE SPRINKLER SHOP DRAWINGS FOR LOCATION.
12. PROVIDE LOOSE LINTELS OVER ALL DUCTS PASSING THRU MASONRY WALLS (SEE MECH. ENGR.).
13. FIREPROOF DUCTS BETWEEN TENANCIES WITH 2 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER, MAKE TO DUCTS. FOR EXTENT OF FIREPROOFING, SEE MECHANICAL DRAWINGS.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

YESEY STREET
CONTRACT LINE
U.S. CUSTOM HOUSE
MATCH LINE
N.W. A-E-19
N.E. A-E-19
C.W. A-E-19
C.E. A-E-19
UNDER ANOTHER CONTRACT
CHURCH STREET
TOWER 'A'
S.E. A-E-19
S.W. A-E-19
AREA OF FUTURE S.E. PLAZA BLDG.
TOWER 'B'
SECTION DWG. NO.
KEY PLAN

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-22-69

NO.	DATE	BULL. NO.	BY
		0	
16	1-16-75	E-289	LH
15	12-4-74	E-271	GB
14	3-3-73	E-155	L.B.
13	9-22-72	E-133	DB
12	5-22-72	E-147	DB
11	4-10-72	E-110	LH
10	1-28-72	E-81	L.C.
9	10-7-71	E-68	L.H.

REVISIONS

NO.	DATE	BULL. NO.	BY
8		8-81	L.C.
7	6-1-71	8-81	L.H.
6	10-4-71	E-78	L.C.
5	8-31-71	E-99	L.H.
4	7-26-70	E-16	A.N.
3	5-25-70	E-10	D.G.
2	4-16-70	E-7	D.G.
1	4-15-70	E-6	D.G.
0	11-18-69	E-1	D.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING 1ST FLOOR PLAN (CONCOURSE LEVEL) EL 310'-0" S.E.

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-19		

FINISH SCHEDULE

FLOOR	LOCATION / SPACE	FLOOR — FINISH	BASE	WALLS — MATERIAL	WALLS — FINISH	CEILING — MATERIAL	CEILING — FINISH	REMARKS
EL 28'-6"	A.C. SUPPLY PLENUM							1 SEE PORT OF N.Y. AUTHORITY FOUNDATION DWGS.
	A.C. EXHAUST PLENUM							2 FOR FIREPROOFING OF DUCTS AT ELEVATION 310'-0", 337'-0" & 347'-0" (17 3/4" S/M FLOORS) SEE GENERAL NOTE #18 ON DWG #3
	ELEV. PIT ELEV'S PIT 1 TO G							
	PLENUM VEST.'S #1 & 2							
	SERVICE LOBBY							
	STAIR # 7, 8, 9							
	PASSAGE							4 SEE PORT OF AUTHORITY FOUNDATION DWGS.
	I.R.T. STAIR (UPTOWNBOUND)							
	ELECTRIC SUB STATION							5 SEE PORT OF AUTHORITY FOUNDATION DWG. & ALSO SUBGRADE CONTRACT DWGS.
	CORRIDOR							
	TENANT STORAGE							6 SEE ARCHITECTURAL DRAWING A.E.-90 FOR DETAILS AND FINISHES
	MECHANICAL EQUIPMENT ROOM							
	PEDESTRIAN UNDERPASS							7 SEE SUB-GRADE CONTRACT DRAWINGS, FOR PLAN'S & DIMENSIONS. FINISHES ONLY ARE IN THIS CONTRACT SEE ARCH. A-P-126
	PUMP ROOM							
	A.C. FAN ROOM							
	I.R.T. STAIR (VESEY STREET)							
EL. 7'4"-6"	WEST ST. LOBBY							
EL. 20'-0"	CORRIDOR							8 SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE AND FINISHES
	TENANT SPACE							
	R.R. BLUE SPACE							
	SERVICE LOBBY							
	ELECTRIC DISTRIBUTION ROOM #1 & 2							
	TEL. CL. 'E' 1'-0"							
	ELEC. CL. 'C-13-E'							
	STAIRS #7, 8, 9							
	JAN. CL. #1							
	PIPE SPACE							
	STAIR. FL #2							9 SEE PLAZA CONTRACT DWGS. FOR DETAILS & FINISHES
	VESEY STREET LOBBY							10 SEE LOBBY DETAIL DWGS. FOR FINISHES.
	ELEV. LOBBY							11 SEE LOBBY DETAIL DWGS. FOR FINISHES.
	MAILROOM							
	CLOSET							
	SERVICE PASSAGE							
	CUSTOM HOUSE SPACE							12 SEE CUSTOM HOUSE CONTRACT DWGS. FOR FINISHES.
	SERVICE VEST. #1							
	STAIRS J-6, J-5, K-6, K-4, K-5							13 SEE SUB-GRADE CONTRACT DWGS. FOR FINISHES
	I.R.T. STAIR (SOUTHBOUND)							14 SEE PORT OF AUTHORITY FOUNDATION DWGS.
	TOWER 'A'							15 SEE TOWER 'A' CONTRACT DWGS. FOR FINISHES
	CONCOURSE							16 SEE CONCOURSE DWGS. FOR DETAILS & FINISHES
	TOWER 'B'							17 SEE TOWER 'B' CONTRACT DWGS. FOR FINISHES
	JAN. CL. #2							
	I.R.T. STAIR (VESEY STREET)							18 SEE ARCHITECTURAL DRAWING A.E.-90 FOR DETAILS AND FINISHES
	I.R.T. STAIR. (NORTHBOUND)							19 SEE PORT OF AUTHORITY FOUNDATION DRAWINGS
	TELEPHONE CORRIDOR							20 SEE DETAILS OF SUSPENDED CEILING ALL-I DWG A-E-164 FOR CEILINGS AND FINISHES
	STAIRS #3 & 4							
	PLENUM							
EL. 55'-0"	PLAZA LOBBY							1 SEE PLAZA LOBBY DETAIL DWG. FOR FINISHES
	TENANT SPACE							2 SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE AND FINISHES
	CORRIDOR							FOR ENTRY & RISERS OF STEPS PAINT SEE TENANT ARCH. DWGS.
	ELEVATOR LOBBY							3 SEE ELEVATOR LOBBY DETAIL DWG. FOR FINISH.
	TEL. CL. 'D', 'C', 'D', 'E', 'F', 'G', 'J', 'K'							
	ELEC. CL. K THRU Q							
	CHURCH STREET LOBBY							
	STAIRS #1, #2, #3, #4, #5, #6							
	CLOSETS							
	SERVICE LOBBY							
	STAIR. FL #7							
	JAN. CL.							
	BUILDING CLOSET							
	PIPE SPACE							
	VESTIBULE							
8'-0" 8TH FLOOR	ELEVATOR LOBBY							1 SEE PLAZA LOBBY DETAIL DWG. FOR FINISH
	CORRIDOR							
	CLOSETS							2 SEE PLAZA CONTRACT DWGS. FOR DETAILS
	STAIRS #1, #3, #4, #5, #6							
	POWDER ROOM #1, #2							
	VEST. #1 & #2							
	WOMEN #1, #2							
	MEN #1, #2							
	TENANT SPACE							3 SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE AND FINISHES
	TEL. CL. 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'J', 'K'							
	ELEC. CL. 'A', 'D', 'E', 'F', 'G'							
	JAN'S. CL.							
	SERVICE LOBBY							
	LOBBY							
	BUILDING CLOSET							

KEY TO MATERIALS

- MARBLE OR GRANITE
- CONCRETE
- DOUBLE BLOCK, BATT-N. RITE INSULATION 2 BLOCK OUTER WALL-RITE 2" INSULATION
- BRICK
- SOLID CINDER BLOCK
- BRICK & HOLLOW CINDER BLOCK
- TERRAZZO
- 2½" METAL STUD PART'N (SEE SYMBOLS)
- SPRAY-ON FIREPROOFING
- STEEL OR STAINLESS STEEL
- RIGID INSULATION (FOR LARGE SCALE DETAILS ONLY)
- ALUMINUM
- BATT INSULATION (FOR LARGE SCALE DETAILS ONLY)

SYMBOLS

- E-1 / 12 — COLUMN NUMBER.
- A-1 / B 2 — REINFORCED BUCK. SYMBOL DENOTES STEGAL AT THE HEAD & JAMB
- A-1 / B 2 — TOP LETTER DENOTES DOOR TYPE (SEE DOOR SCHEDULE) BOTTOM LAT LETTER DENOTES BUCK TYPE (SEE BUCK DETAILS) BOTTOM RIGHT NUMBER DENOTES HARDWARE (SEE SPECS.) HALVES BOTTOM LETTERS ARE 'X' THE DENOTES SPECIAL MOLDINGS AND SPECIAL BUCK. SEE SPECS AND DETAILS
- A / 100 — SECTION CUT SYMBOL: TOP LETTER DENOTES DETAIL BOTTOM LETTER DENOTES NUMBER
- TYPE 2 — DENOTES ELEVATION TYPE OF BASE BASE
- A / 100 — DETAIL SYMBOL - TOP LETTER DENOTES DETAIL BOTTOM LETTER DENOTES NUMBER
- PARTITION SYMBOL - NUMBER IN TRIANGLE DENOTES LAYERS BUTTON WALLBOARD
- PARTITION SYMBOL - DENOTES PARTITION WALLBOARD
- LOOSE LINTEL - DENOTES TYPE
- P1 — PLUMBING STACK
- L1 — LEADER

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th St., N.Y.C. 10017

CONTRACT BID DRAWING date 8-31-69

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	SUL. NO.	BY
12	1-28-72	E-68	LJ
11	8-4-71	E-68	LJ
10	8-4-71	E-55	LJ
9	7-30-70	E-17	LJ
7	7-24-70	E-4	AM
3	6-5-70	E-4	DG
1	4-10-70	S-7	DG
	11-28-69	E.I.	WC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
FINISH SCHEDULE

DRAWN		CHECKED	
SCALE		DATE	7-15-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·2		

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A.0-1 TO A.0-4.
2- FOR GRANITE'S, GLASS FLOOR, PLANTS SEE DRAWINGS A.0-16 TO A.0-19
3- ALL ELEVATIONS GIVEN THUS (0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 100'-0"
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS A.2-1 & 5
6- FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7- CLOSETS ARE ASSUMED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSION IN ELEVATOR, SHAFTS AND SHALL BE MINIMUM 78" FINISH HORIZONTAL. SEE TYPICAL DETAILS.
8- FOR EXITS AND SUB-DIVISIONS OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
9- ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT.
10- PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES. SEE SPRINKLER DWG'S FOR LOCATION.
11- PROVIDE LINTELS OVER ALL DUCTS PASSING THRU MASONRY WALLS (SEE MECH DWGS)
12- FIRESTOP DUCTS BETWEEN TENANCIES WITH 2-SEPARATE LAYERS METAL LATH & 1" VERMICULITE PLASTER HARD TO DUCTS. FOR EXTENT OF FIREPROOFING, SEE MECHANICAL DRAWINGS.

North

Tenant Space
Tenant Space
A.C. Shaft #1
A.C. Shaft #2
Vesey Street Lobby
Pull Chamber
Tenant Space
Tel. Cl. E
Elec. Cl. E
Tel. Cl. F
Elec. Cl. F
Electric Distribution Room #1
Closet
Stair #3
Stair #4
Service Lobby
K.E. Fluc #2
Shaft #4
Sec #1
Sec #2
Sec #3
Jan. Cl. #1
Elevator Lobby
Mail Room
Escalator E-4
Escalator E-3
Tel. Corridor
Corridor
Building Directory
Tel. Corridor
Ramp Slab On From (-0'-8") To (-1'-8")
Tenant Space
East Core
Stair #2
Upper Part of Stair #3
Upper Part of Service Lobby
Upper Part of Closet
Upper Part of Tel. Cl. G
Upper Part of Elec. Cl. G
Pipe Shaft
Part Plan of Stairs #3 & #4 at Intermediate Level

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

Bulletins not dated are in the process of completion

No.	Date	Bul. No.	By
4	8-13-76	E-127	DB
3	9-27-78	E-148	LWL
2	7-18-78	E-139	DB
1	7-18-78	E-138	DB
6	4-26-78	E-118	LWL
5	2-6-78	E-99	LW
4	2-6-78	E-107	LW
3	5-11-72	E-113	LC
2	5-7-71	E-3	LW

Revisions

No.	Date	Bul. No.	By
8	12-7-71	E-68	LWL
7	1-18-72	E-69	LWL
6	3-6-72	E-75	LWL
5	7-26-72	E-6	AM
4	7-26-72	E-8	AM
3	7-26-72	E-9	AM
2	8-22-72	E-10	DG
1	4-16-73	E-7	DG
1	11-29-89	E-1	DG

Revisions

Contract Bid Drawing dated 8-25-69

Approved
Chief, Planning Division
Date

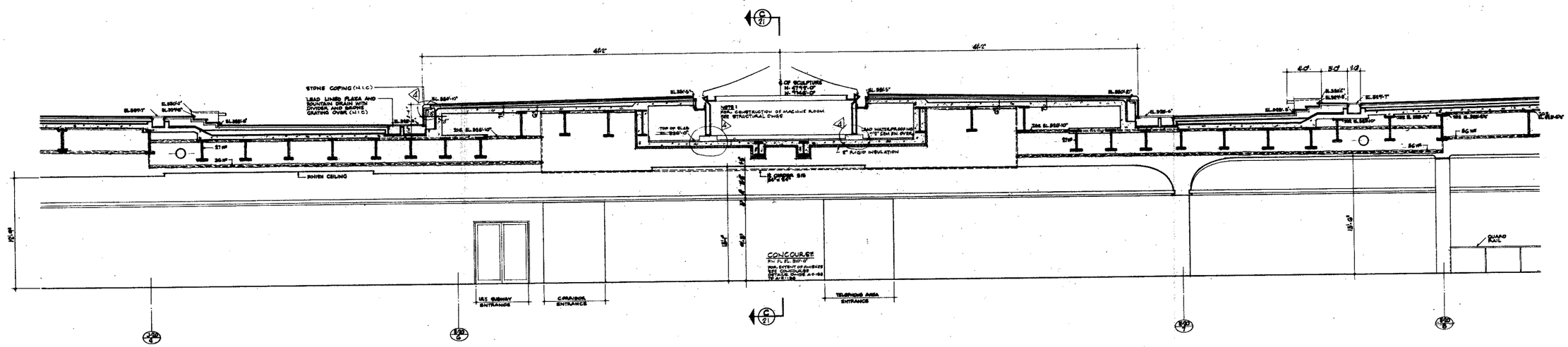
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

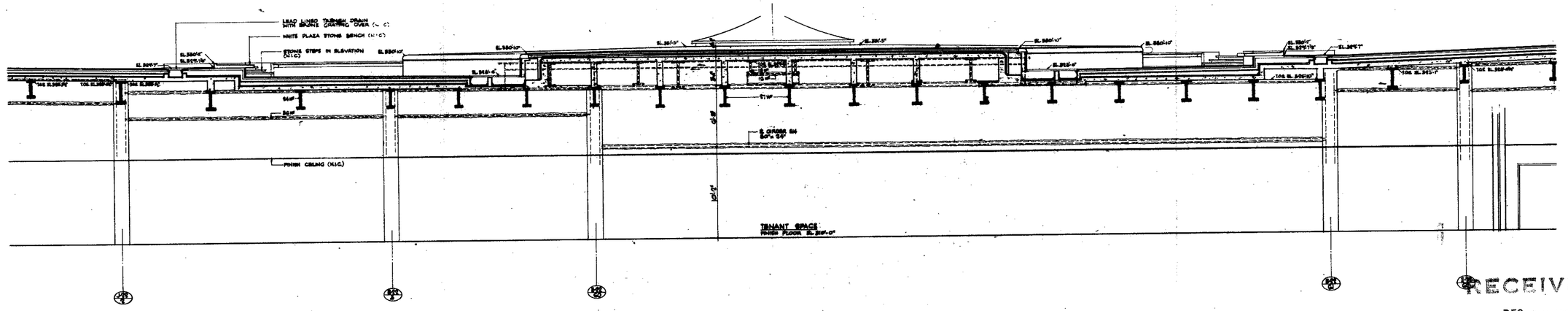
Minoru Yamasaki & Associates
Minoru Yamasaki, Architect
Worthington, Skilling, Helle & Jackson
Structural Engineers
Joseph R. Loring & Associates
Electrical Engineers
Emery Roth & Sons
Richard Roth, Architect
Jaros, Baum & Bolles
Mechanical Engineers
The Port of New York Authority
Paving Utilities, Foundations

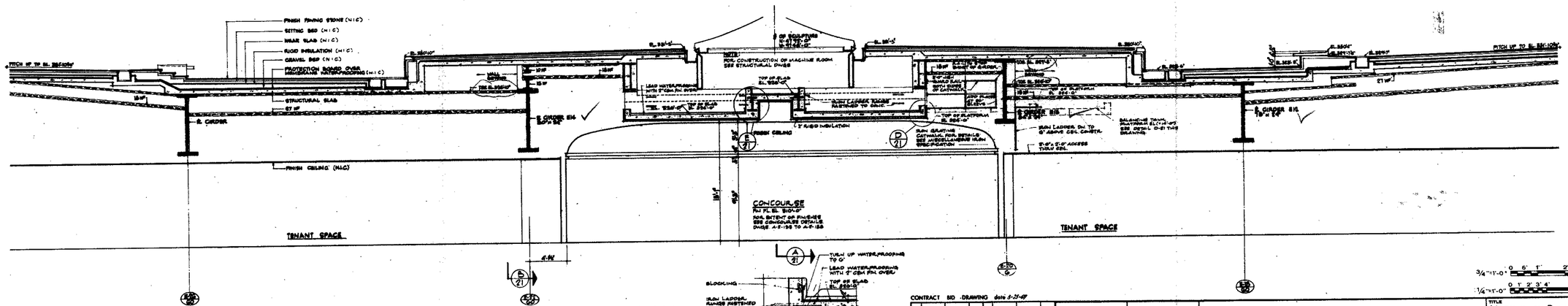
Title: Northeast Plaza Building
El 310 Core Plan

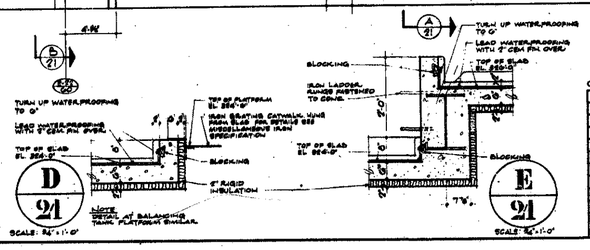
Drawn	R.T.H.	Checked	
Scale	1/4"=1'-0"	Date	7-20-67
Project Number		Sheet	of
Drawing Number	A-E-90		

1/4"=1'-0" 0 1 2 3 4 8 12









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DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

3/4"=1'-0" 0 6" 1' 2' 3' 4'
1/4"=1'-0" 0 1' 2' 3' 4' 8' 12

CONTRACT NO. - DRAWING date 5-27-87

NO.	DATE	SUB. NO.	BY
A	2-6-87	E-62	JJ
B	5-29-90	E-10	DG
C	6-8-90	E-7	DG
D	7-16-90	E-7	DG

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BLDG. CROSS SECTIONS THRU PLAZA

DRAWN	H.BELTON	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-28-87
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-21		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS SEE DWG #A-B-1TP-A-0-4
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DWG # A-B-2TP
3. ALL ELEVATIONS INDICATED THUS (10'0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG #A-B-666.
6. ALL TRENCH HEADERS TO BE COORDINATED IT WORKING IN AREAS FOR A WIDTH OF 6'0" WITH A SPRAY-ON-FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND DETAIL OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION=2"TOP OF SLAB ELEVATION AREA (-0'-2") UNLESS OTHERWISE SHOWN OR NOTED.
8. CAUTS ARE PROVIDED AT ALL BEAM PROJECTIONS OVER 6" DEPTH. PROJECTIONS AT ELEVATOR, SLEEVES ALSO SHALL BE PROVIDED WITH BEVEL CHAMFERS. SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. AREA, ETC'S AND SUB DIVISIONS OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11. ALL PARTITIONS SHOWN DASHED ARE NOT INCLUDED IN THIS CONTRACT.
12. FOR FURNISHING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS & ALL ON CORE PLANS PROVIDE SPRAY-ON TYPE OF FIREPROOFING AROUND COLUMN AND FINISH WITH METAL STUD 5/8" GYPSUM WALLBOARD SEE DETAILS DWG. #A-B-166

RECEIVED
DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

SUBMISSION SIDE "DRAWING" date 8-24-67

NO.	DATE	REVISIONS	BY
A	9-25-71	E-145	G.E.
2	5-27-71	E-104	L.C.
1	10-4-71	E-109	L.W.

NO.	DATE	REVISIONS	BY
A		E-87	L.W.
7	8-10-70	E-87	L.W.
6	8-3-71	E-98	L.W.
5	8-6-71	E-98	L.W.
4	7-24-70	E-8	L.W.
3	5-29-70	E-10	D.G.
2	4-16-70	E-5	D.G.
1	4-16-70	E-5	D.G.
8	4-16-70	E-7	D.G.
1	11-25-69	E-1	E.C.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
2ND FLOOR PLAN-WEST
PLAZA LEVEL

DRAWN | CHECKED
SCALE 1/8"=1'-0" | DATE 12-28-70
PROJECT NUMBER | SHEET OF
DRAWING NUMBER A-E-92

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR, SCHEDULE & SCHEDULE OF DRAWINGS SEE SHEET A0.1 AND A0.2
2. PLAN - CONCRETE 1" SCALE CORE PLANS SEE SHEET A-0.3
3. ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN TO FINISHED TOP FLOOR, FINISH AT EL. 105'-0"
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-0.4.
6. ALL TRENCH HEADERS AS SHOWN PROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATIONS (F.F.E.) TOP OF REAR ELEVATION (T.O.R.E.) UNLESS OTHERWISE SHOWN OR NOTED.
8. CANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN CONCRETE SHAFTS AND SHALL BE 75° FROM HORIZONTAL SEE TYPICAL DETAILS
9. CORRIDOR AND TOILET LIGHTING LAYOUT'S ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR EXITS AND SUBDIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR CORE PLANS PROVIDE SPRAY-ON TYPE FIREPROOFING AROUND COLUMN AND ENCASE WITH METAL STUDS & ⅝" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON SHEET A-0.4
12. ALL PARTITIONS SHOWN UNDASHED ARE NOT INCLUDED IN THIS CONTRACT.

DETAIL OF PIPE SHAFT AT COLUMN (A-23)
SCALE ¼" = 1'-0"

TENANT SPACE

SECTION (A-23)
SCALE: ¼" = 1'-0"

KEY PLAN

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT 910 DRAWING - date 5-15-69

NO.	DATE	SUB. NO.	BY
10	10-7-71	E-66	L.M.
9	9-10-71	E-8*	L.M.
8		E-8*	L.M.
7	10-6-71	E-05	L.M.
6	3-4-71	E-25	L.M.
5	7-24-70	E-9	A.M.
4	5-22-70	E-10	D.G.
3	4-16-70	E-10	L.M.
2	4-9-70	E-3	L.M.
1	4-6-70	E-7	D.G.
0	11-26-69	E-1	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

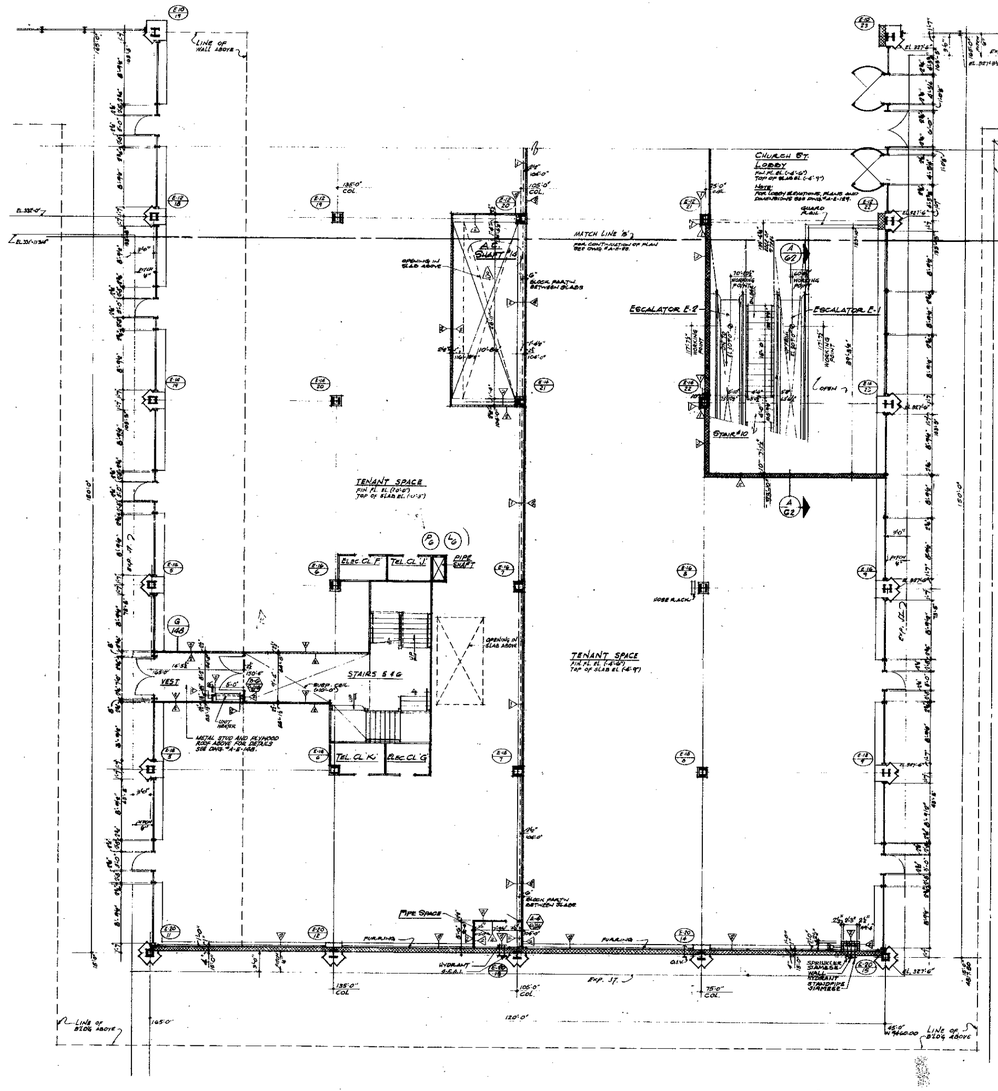
TITLE: NORTHEAST PLAZA BUILDING
2nd FLOOR PLAN-EAST
PLAZA LEVEL

DRAWN		CHECKED	
SCALE	1/16"=1'-0" & 1/8" SHOWN	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-23		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAININGS SEE DWG # A-0.1 TO A-0.4
2. FOR COMPLETE 1/2" SCALE CORE PLANS SEE DWG # A-2.88
3. ALL ELEVATIONS INDICATED THUS (70'-0") ARE TAKEN TO FINISH 2ND FLOOR WHICH IS ELEVATION 100'-0"
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STA. DETAILS SEE DWG # A-2.1-A-8
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH 3 COAT ON FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION (100'-0") TOP OF SLAB ELEV. OF RAILLESS OTHERWISE SHOWN OR NOTED
8. GAUGE ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" ACTUAL DIMENSION IN ELEVATION, SOFFITS ALSO SHALL BE 30° FROM HORIZONTAL SEE TYPICAL DETAILS
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR SUITE AND SUBDIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WHERE PARTITIONS WALLS NOT SHOWN ON THE PLAN OR UNDER FLOOR, PROVIDE 5/8" GYP. FIREPROOFING ARMORED CORNERS AND FURRED WITH METAL STUD & 5/8" GYPSUM WALL BOARD SEE DETAILS ON DWG # A-2.1-A-8
12. ALL PARTITIONS SHOWN UNBRACED ARE NOT INCLUDED IN THIS CONTRACT.

NORTH



KEY PLAN

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

DRAWING date: 6-11-69

NO.	DATE	SUB. NO.	BY
1	1-19-74	E-203	L.J.
2	12-21-73	E-102	D.S.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	9-25-70	E-146	D.S.
2	6-17-70	E-108	L.J.
3		E-87	L.J.
4	2-10-70	E-87	L.J.
5	10-6-71	E-26	L.J.
6	5-4-71	E-25	L.J.
7	5-22-70	E-10	D.G.
8	4-15-70	E-3	D.G.
9	6-15-70	E-7	A.W.
10	11-25-69	E-1	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

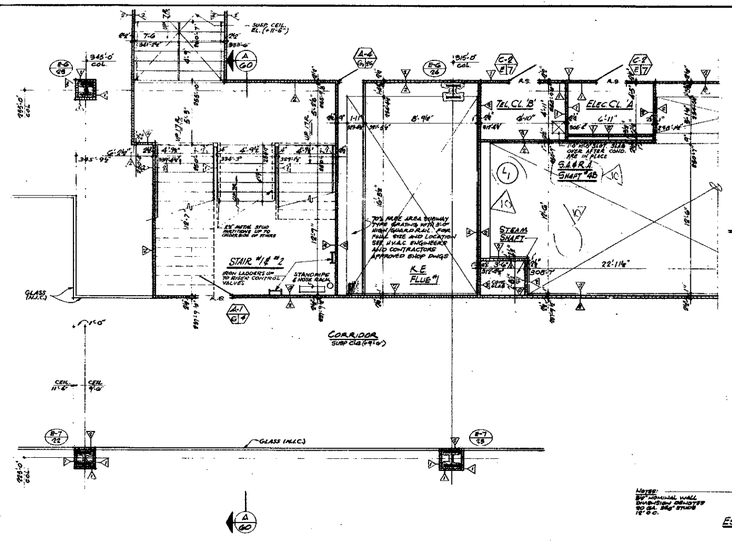
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

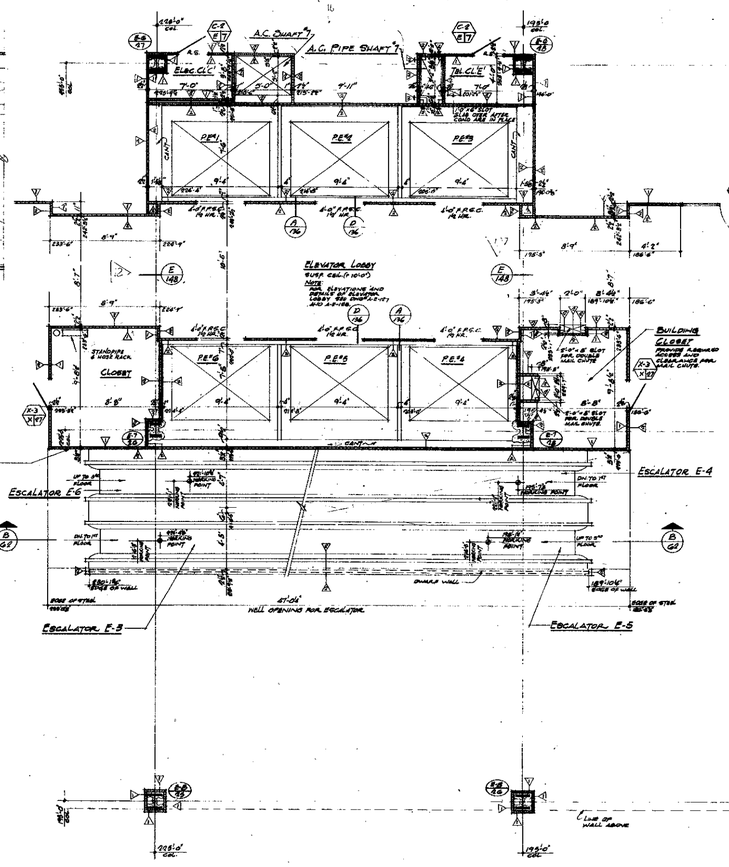
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
2ND FLOOR PLAN - SOUTH
PLAZA LEVEL

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-24		

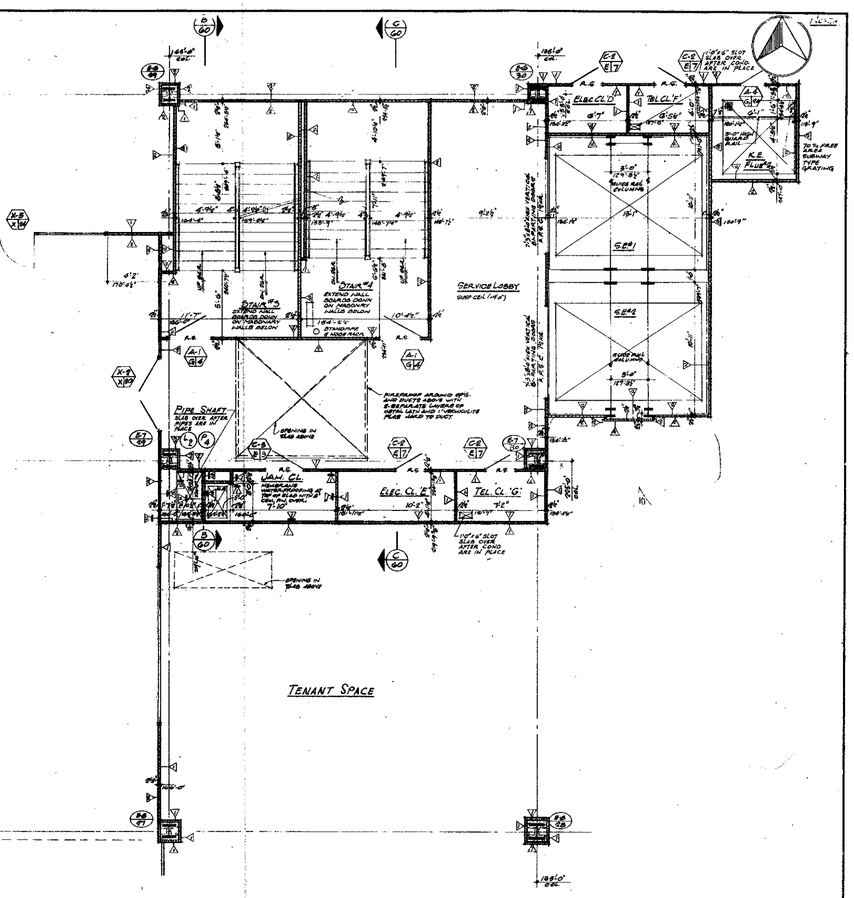


WEST CORE

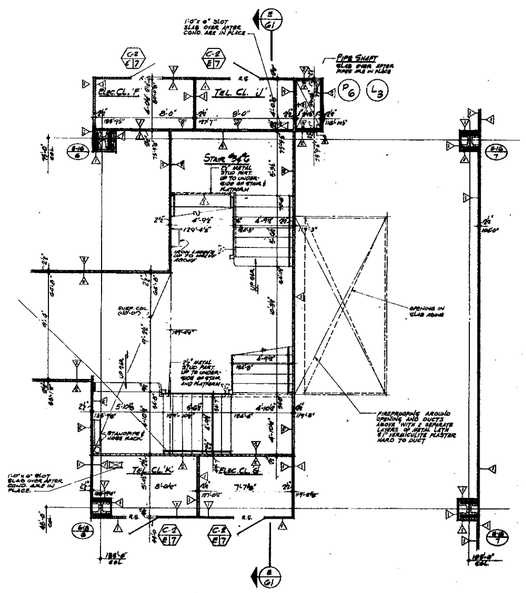


PLAZA LOBBY

NOTE
FOR ELEVATIONS AND DETAILS OF LOBBY SEE DRAWINGS # A-E-125 TO A-E-136



EAST CORE



SOUTH CORE

Notes:

1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING# A-E-1 TO A-E-4
2- FOR COMPLETE 1/8" SCALE PLANS SEE DRAWINGS# A-E-22 TO A-E-26.
3- ALL ELEVATIONS INDICATED THUS (+8'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWING# A-E-146.
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A 5/8"ø1" EXPANDED METAL LATH TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION ELEVATION (FOOD) TOP OF SLAB ELEVATIONS UNLESS OTHERWISE SHOWN OR NOTED.
8- CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 70° FROM HORIZONTAL. SEE TYPICAL DETAIL.
9- FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE 3/8" SCALE FLOOR PLANS.
10- FOR EXITS AND SUB DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11- ALL PARTITIONS SHOWN UNBROKEN ARE NOT INCLUDED IN THIS CONTRACT.
12- FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING# A-E-166.
13- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PROVIDE FOR FUTURE CEILING INSTALLATION.

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT 'BD' DRAWING: date 6-15-69

NO.	DATE	BUL. NO.	BY
		E-125	N.K.
△	6-17-70	E-104	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
△		E-87	L.J.
△	10-8-71	E-88	L.J.
△	5-4-71	E-89	L.J.
△	7-24-70	E-16	A.M.
△	7-24-70	E-8	A.M.
△	5-29-70	E-10	P.G.
△	4-15-70	E-3	P.G.
△	4-15-70	E-7	P.G.
△	4-15-70	E-5	P.G.
△	11-25-69	E-1	P.G.

REVISIONS

REGISTERED ARCHITECT STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

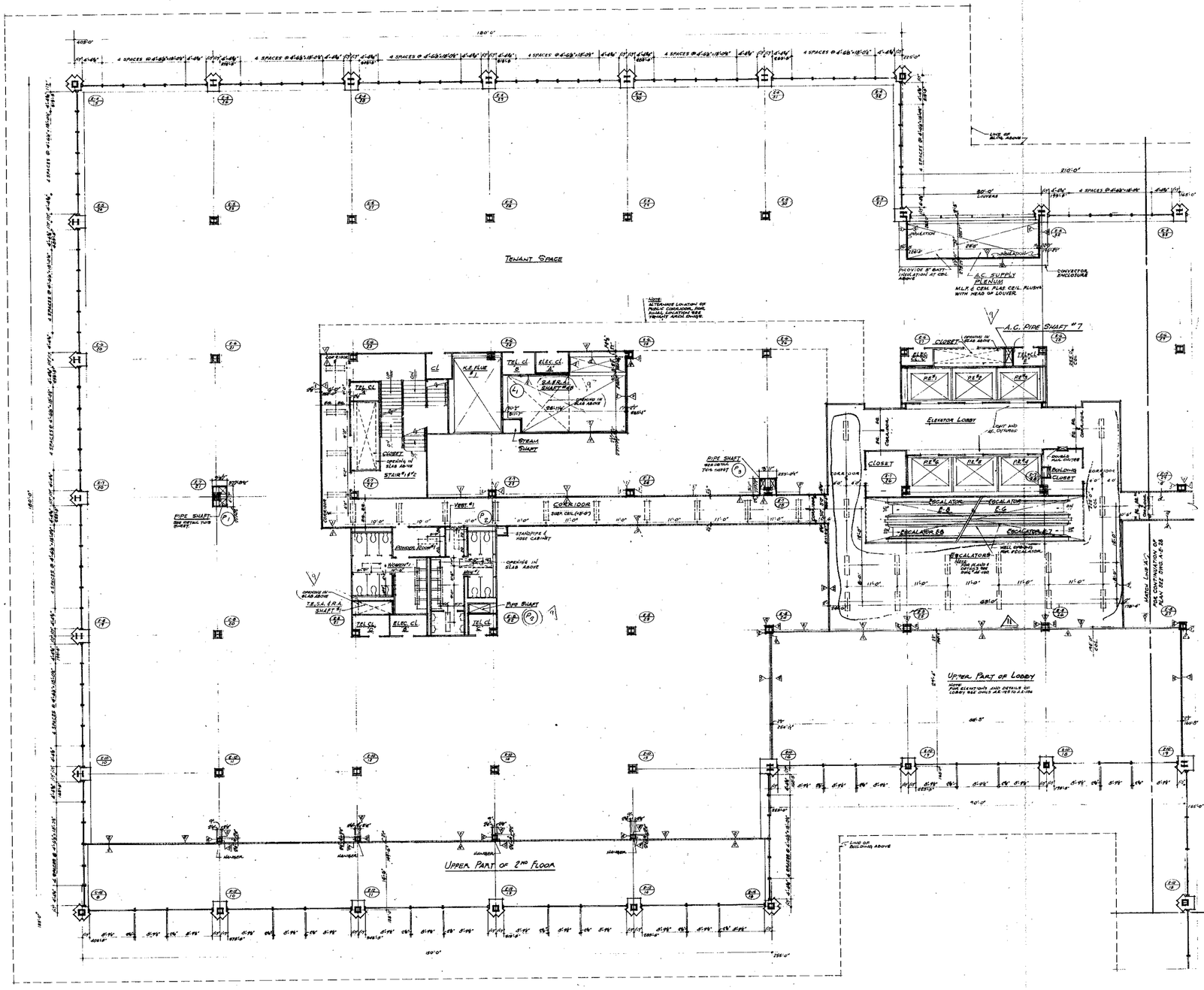
1/4"=1'-0" 0 1' 2' 3' 4' 8' 32'

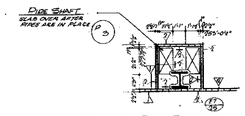
TITLE: NORTHEAST PLAZA BUILDING
2ND FL. CORE PLANS
PLAZA LEVEL

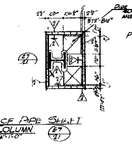
DRAWN	R.T.H.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-25		

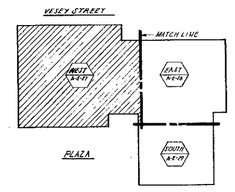
NORTH

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DWG # A-0.1 TO A-0.4
2. FOR COMPLETE V.S.C.U. CORE PLAN SEE DWG # A-0.20
3. ALL DIMENSIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-E-140
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR 1 HOUR OR 60" WITH 4 SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (TS/FF) UNLESS OTHERWISE NOTED.
8. EXPOSED A.C. SUPPLY DUCTS OR ALL BEAM PROJECTIONS MORE 2" ACTUAL PROJECTION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING, SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR EXITS AND SUB-DIVISIONS OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
11. ALL ARCHITECTURE SHOWN (UNLOCATED AND NOT INCLUDED IN THIS CONTRACT
12. FOR FURTHER DRAWING OF ALL BASE BOARD (H) TO WHAT INTERIOR WALL NOT SHOWN OR NOTED ON TYPE PLAN OR ON CORE PLANS PROVIDE TYPICAL 6" TYPE OF SKIRTING DOUBLE AROUND COLUMNS ALSO RUNNING WITH WALL SECTIONS & 6" GYPSUM WALLBOARD. SEE TYPICAL DETAIL ON DWG # A-E-140









RECEIVED
DEC 2 8 1990
LESLIE C. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

"CONTRACT BID" DRAWING: Issued 6-15-69

NO.	DATE	BUL. NO.	BY
1	1-8-70	E-123	LL

REVISIONS

NO.	DATE	BUL. NO.	BY
1	1-18-72	E-83	LC
2		E-87	LV
3	8-4-71	E-88	LV
4	5-4-71	E-85	LV
5	7-24-70	E-16	AN
6	5-28-70	E-10	DG
7	4-16-70	E-9	LV
8	4-16-70	E-7	DG
9	4-16-70	E-5	DG
10	11-26-69	E-1	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

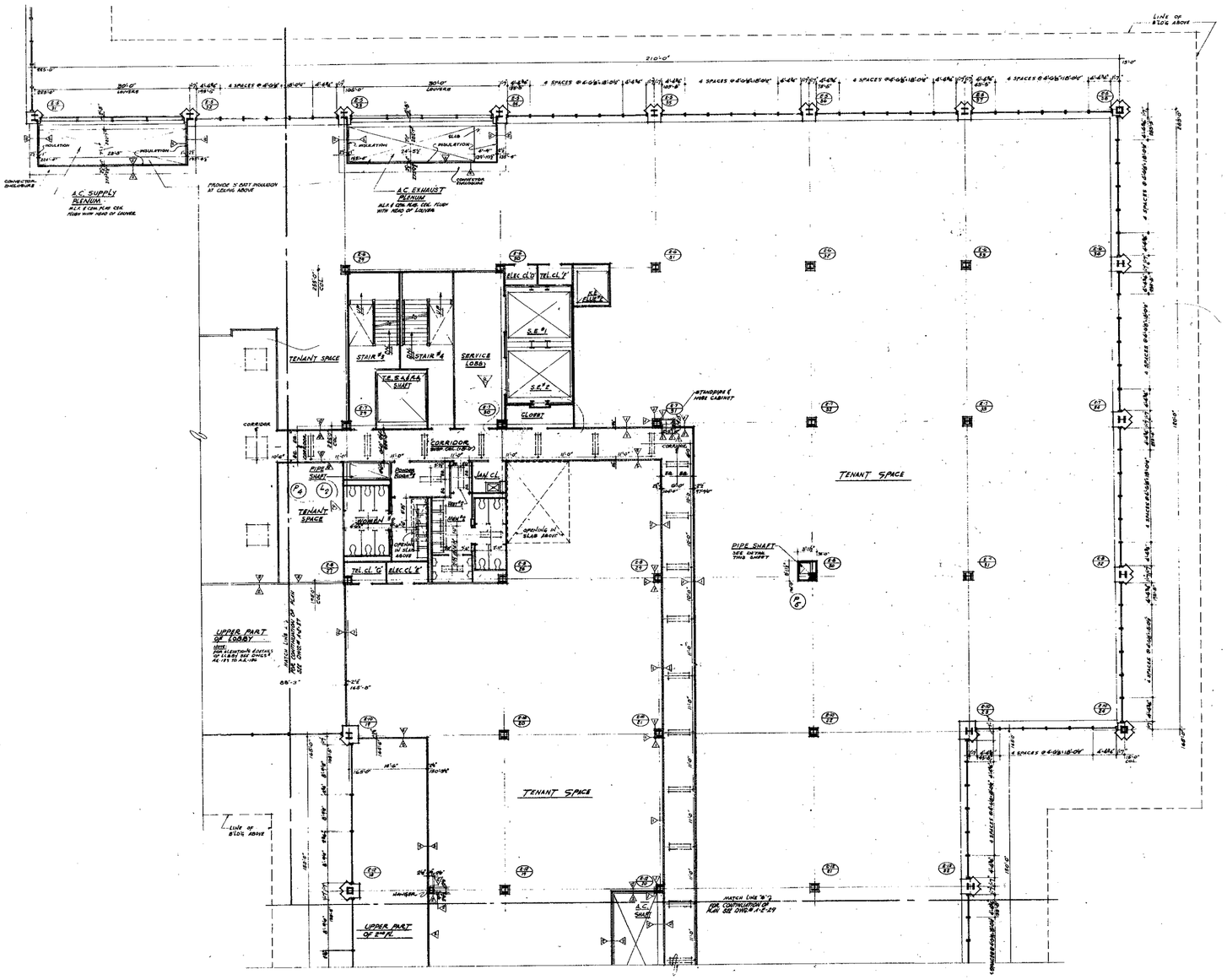
TITLE
NORTHEAST PLAZA BUILDING
3RD FLOOR PLAN-WEST
MEZZANINE FLOOR

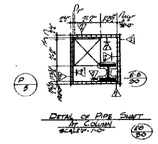
DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-27		

NORTH

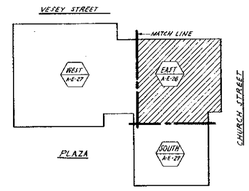
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DWG# A-0-1 TO A-0-4
2. FOR COMPLETE & SCALE CORE PLAN SEE DWG# A-0-10
3. ALL ELEVATIONS INDICATED THUS (10'0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG# A-0-1400
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS & ELECTRICAL ENGINEERS & CONTRACTS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (10'0") UNLESS OTHERWISE NOTED OR NOTED.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION AT ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR EXITS AND SUBDIVISION OF TENANT SPACE SEE TENANT ARCHITECT'S DRAWINGS
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS FINISH SPRAY-ON THERMAFIBER AROUND COLUMN AND FINISH WITH METAL STUDS & GYPSUM WALLBOARD SEE TYPICAL DETAIL ON DWG# A-0-1400
12. ALL PARTITIONS SHOWN DASHED ARE NOT INCLUDED IN THIS CONTRACT.





DETAIL OF PIPE SHAFT AT COLUMN
SCALE: 1"=1'0"



KEY PLAN

RECEIVED
DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT DRAWING - Date 8-15-69

NO.	DATE	BUL. NO.	BY
	—	—	—
		8-69	L.W.
5	6-71	E-26	L.J.
4	7-24-70	E-16	A.W.
3	6-22-70	E-10	D.G.
2	6-15-70	E-3	D.G.
1	6-15-70	E-7	A.W.
A	6-15-70	E-5	A.W.
1	11-19-69	E-1	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

SCALE: 0" 20 4' 8' 16' 24'

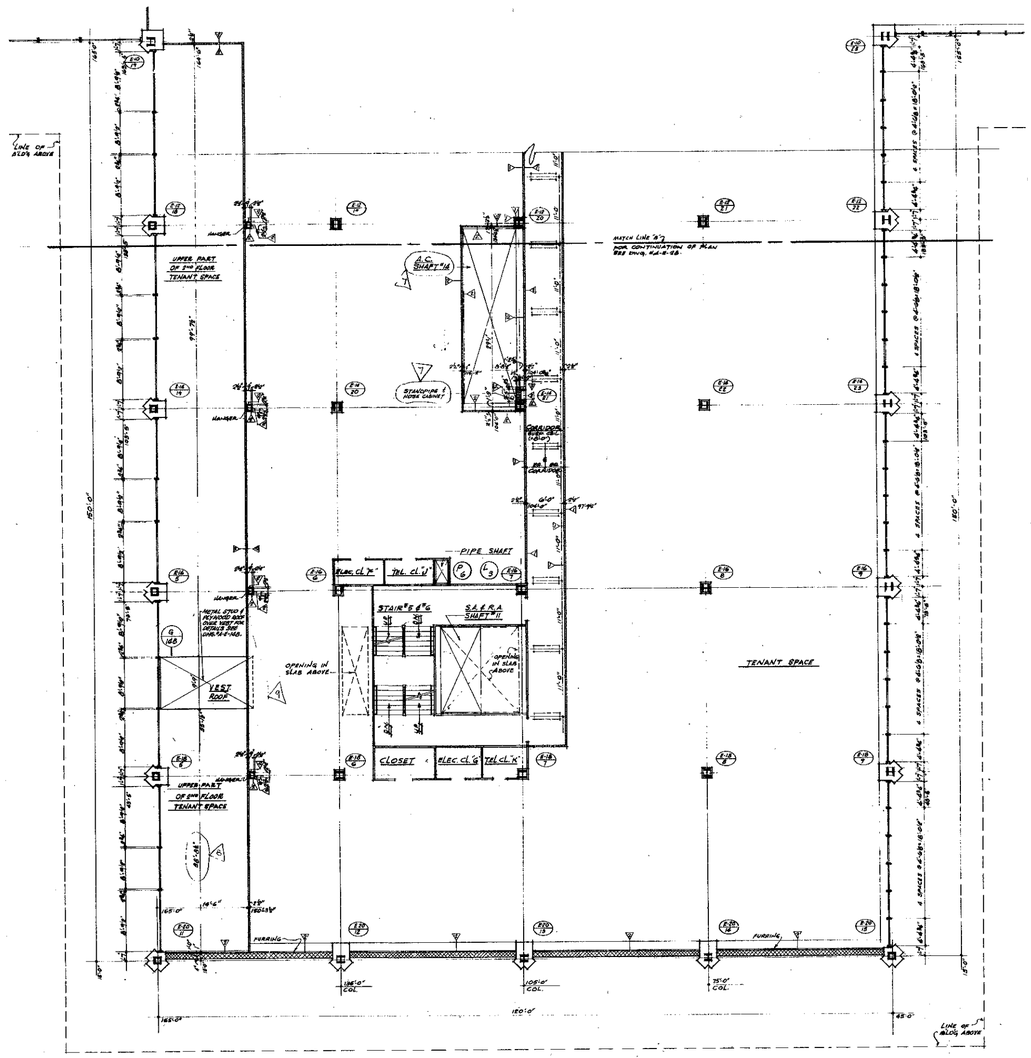
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
3RD FLOOR PLAN-EAST
MEZZANINE FLOOR

DRAWN		CHECKED	
SCALE	16'-1'0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-28		

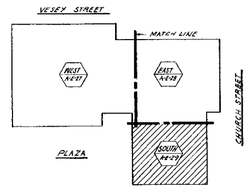
AE-29



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DWG. A-01-10 & A-2
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DWG. A-2.A-2C
3. ALL ELEVATIONS SHOWN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.A-16A
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH 3 COATS OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. CURTB ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATION, SHAFT WALLS AND SHALL BE A MINIMUM OF 4" FROM HORIZONTAL SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. EXITS AND SUB-DIVISIONS OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
11. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT.
12. THE FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR DETAILED ON THIS PLAN OR ON CORE PLANS, PROVIDE SHAFT ON TYPE FIREPROOFING AROUND COLUMN AND FINISH WITH METAL STUDS AND 5/8" GYPSUM WALLBOARD SEE TYPICAL DETAILS ON DWG A&P 16A



KEY PLAN

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

COVERAGE SEE "DRAWING" date 6-21-69

NO.	DATE	SUB. NO.	BY
1	1-9-76	E-103	L.J.
2	10-21-75	E-102	L.J.
3		E-97	L.J.
4	5-4-71	E-95	L.J.
5	7-26-70	E-16	A.M.
6	6-16-70	E-7	D.G.
7	6-15-70	E-5	D.G.
8	6-15-70	E-5	D.G.
9	11-25-69	E-1	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
3RD FLOOR PLAN - SOUTH
MEZZANINE FLOOR

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-29		

FINISH SCHEDULE

Key to columns (checked items in the schedule are listed by name below):
- FLOOR – FINISH: Dustproof Conc. · Vinyl Asbestos · Ceramic Tile · Marble · Terrazzo · Carpeting · Quarry Tile
- BASE: Cement · Resilient · Ceramic Tile · Marble · Terrazzo · Quarry Tile · Wood · None
- WALLS – MATERIAL: Masonry, Metal Lath & Furring · Concrete · Gyp Wallboard · Metal Stud · Facing Tile · Brick · Marble · Wood · Keene Cem. Plaster · Plaster
- WALLS – FINISH: Unfinished · Vinyl Covering · Painted · Ceramic Tile · Cem. Parging · Facing Tile · Face Brick · Spray Glaze
- CEILING – MATERIAL: Metal Pan · Acoustical Tile · Concrete · Steel Deck · Gyp Wallboard · Cem. Plaster · Luminous Ceil.
- CEILING – FINISH: Painted · Unfinished

Floor	Location – Space		Floor Finish	Base	Walls Material	Walls Finish	Ceiling Material	Ceiling Finish	Remarks
4TH FLOOR	ELEV. LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Vinyl Covering	Acoustical Tile ○ (6), Gyp Wallboard ● (6)		* SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE AND FINISHES.
	TENANT SPACE	*							
	BUILDING CLOSET		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR M.L.F. AND VERMICULITE PLASTER, CEILINGS.
	CLOSET	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	* FOR EXTENT AND DETAILS OF STORE FRONT SEE TENANT ARCHITECTS DRAWINGS.
	CORRIDOR	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Vinyl Covering	Acoustical Tile		
	STAIRS #1, #2, #3, #4, #5, #6		Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	POWDER RM. #1, #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Vinyl Covering	Acoustical Tile		
	VEST #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	TEL. CL. A, B, C, D, E, F, G, H, J, K		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. A, B, C, D, E, F, G		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	MEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	WOMEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Vinyl Covering	Acoustical Tile		
5TH FLOOR	ELEV. LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile ○ (6), Gyp Wallboard ● (6)		* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES.
	CORRIDOR		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	TENANT SPACE	*							
	STAIRS #1, #2, #3, #4, #5, #6		Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	POWDER RM. #1 & #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	VEST #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	WOMEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	MEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	TEL. CL. A, B, C, D, E, F, G, H, J, K		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. A, B, C, D, E, F, G		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	CLOSETS		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	BUILDING CLOSET		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
6TH, 7TH & 8TH FLOORS	ELEV. LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile ○ (6), Gyp Wallboard ● (6)		* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF OF SPACE AND FINISHES.
	TENANT SPACE	*							
	CORRIDOR		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	STAIRS #1, #2, #3, #4, #5, #6		Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	MEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	WOMEN #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	VEST. #1, #2		Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		
	POWDER RM. #1, #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	TEL. CL. 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'J', 'K'		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. 'A', 'B', 'C', 'D', 'E', 'F', 'G'		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
9TH FLOOR	ELEV. LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile ○ (6), Gyp Wallboard ● (6)		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	MECH. EQUIP. RM.	*	Dustproof Conc.	Cement	Gyp Wallboard, Metal Stud	Painted	Steel Deck	Unfinished	* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING.
	TENANT SPACE	*							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES.
	STAIRS #1, #2, #4, #5, #6		Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	STAIR VEST. #1		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	MEN #1, #2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	WOMEN #1, #2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	POWDER RM. #1, #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	VEST. #1, #2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	M.E.R. VEST. #1, #2, #3	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	TEL. CL. 'C', 'D', 'H', 'K'		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. 'B', 'E', 'G'		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	A.C. PLENUM		Dustproof Conc.	None	Masonry, Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	CLOSET		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	CORRIDOR		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	MAINTENANCE PASSAGE		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete, Steel Deck	Painted	
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
MAIN ROOF & BULKHEAD	ELEV. MACH. RM. (P.E. #1 THRU P.E. #6)		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	ELEV. MACH. RM. (S.E. #1 & S.E. #2)		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	STAIR #4		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	VEST. #1, #2		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	UNASSIGNED SPACE		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete, Steel Deck	Unfinished	

GENERAL NOTES

1. ALL DIMENSIONS ON DWGS # A-E-1 TO A-E-66 ARE TO ROUGH WALLS AND PARTITIONS. ALL DIMENSIONS ON DWG # A-E-101 TO A-E-138 ARE GIVEN TO FINISH UNLESS OTHERWISE SHOWN OR NOTED.
2. FOR WINDOW HEIGHTS SEE ELEVATIONS AND DETAILS. WINDOW HEIGHTS ARE NOMINAL, FOR ACTUAL DIMENSIONS SEE WINDOW CONTRACTORS DETAILS AND ERECTION DRAWINGS.
3. ALL DOORS WITH CLOSERS (OTHER THAN SPRING HINGE) TO BE KEPT 6" MINIMUM CLEAR OF ROUGH WALLS ON HINGED SIDE.
4. CANTS REQUIRED ON ALL BEAM PROJECTIONS OVER 3½" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAIL.
5. FOR PERIPHERY A.C. UNITS, AIR CONDITIONING DUCT WORK, PIPING & EQUIPMENT AND FOR EXHAUST DUCTS ETC. SEE MECHANICAL DWGS.
6. FOR ALL PLUMBING PIPES, RISERS, DRAINAGE AND DETAILS ETC. SEE PLUMBING DWGS.
7. FOR ALL ELECTRICAL WIRING, RISER DIAGRAMS, LIGHTING, CONVENIENCE OUTLETS AND DETAILS ETC. SEE ELECTRICAL DWGS.
8. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. WHERE CINDER BLOCK FIREPROOFING IS CALLED FOR AROUND COLUMNS CINDER BLOCK IS 5" SOLID BLOCK UNLESS OTHERWISE SHOWN OR NOTED.
11. ALL ELECTRIC CELLS (POWER AND TELEPHONE) THAT ARE EXPOSED OVER ELEVATOR MACHINE ROOMS, SHAFTS AND STAIRS ARE TO BE FIREPROOFED AT UNDERSIDE FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF ELECTRIC CELLS AND FIREPROOFING.
12. ALL SLABS OUTSIDE OF BUILDING PERIMETER AT STREET LEVEL SHALL HAVE MEMBRANE WATERPROOFING AND INSULATION IN ACCORDANCE WITH DETAILS SHOWN ON DWGS P-17 TO P-18 & P-17 TO P-19
13. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK WITHIN HEAVY BORDER LINES AND SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN.
14. FIREPROOF ALL DUCTS ON ELEVATIONS 310'-0", 331'-0" & 347'-0" (1ST, 2ND & 3RD FLOORS) WITH 2 SEPARATE LAYERS OF METAL LATH AND 1" VERMICULITE PLASTER HARD TO DUCTS.

ABBREVIATIONS, SYMBOLS & KEY TO MATERIALS

A.C.	AIR CONDITIONING	LAV.	LAVATORY
A.C.	ACOUSTIC	L.P.	LOW POINT
A.D.	ACCESS DOOR	MACH	MACHINE
ALUM.	ALUMINUM	MAX.	MAXIMUM
BL.	BLOCK	MEMB.	MEMBRANE
BM.	BEAM	MIN.	MINIMUM
BOT.	BOTTOM	M.L.	METAL LATH
BLDG.	BUILDING	M.L.F.	METAL LATH FURRING
BD.	BOARD	M.O.	MASONRY OPENING
B.R.	BOTTOM REGISTER	M.R.	MOP RECEPTOR
CEM.	CEMENT	MECH.	MECHANICAL
℄	CENTER LINE	M.S.	MARBLE SADDLE
CL.	CLOSET	MET.	METAL
CEIL.	CEILING	N.I.C.	NOT IN CONTRACT
C.E.	COMBINATION ELEVATOR	N.T.S.	NOT TO SCALE
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	O.C.	ON CENTER
COND.	CONDUIT	OPNG.	OPENING
CONST.	CONSTRUCTION	OPP.	OPPOSITE
CONT.	CONTINUOUS	O.D.	OUTSIDE DIAMETER OR DIMENSION
C.T.	CERAMIC TILE	P.A.	PORT AUTHORITY
CTR.	CENTER	PARTN.	PARTITION
CABT.	CABINET	P.E.	PASSENGER ELEVATOR
CONTR.	CONTRACTOR OR CONTRACT	P.H.	PAPER HOLDER
DET.	DETAIL	PL.	PLATE
D.F.	DRINKING FOUNTAIN	PLAS.	PLASTER
DN.	DOWN	PTD.	PAINTED
DWG.	DRAWING	POL.	POLISHED
DIA. or ⌀	DIAMETER	Q.T.	QUARRY TILE
DR.	DOOR	R.	RISER
EL.	ELEVATION	RAD.	RADIUS
ELEC.	ELECTRICAL	R.D.	ROOF DRAIN
ELEV.	ELEVATOR	RM.	ROOM
ESC.	ESCALATOR	REF.	REFRIGERATION
EQ.	EQUAL	R.S.	RESILIENT SADDLE
EQUIP.	EQUIPMENT	R.T.	RESILIENT
EXP.	EXPOSED	REINF.	REINFORCED OR REINFORCEMENT
EXPAN. JT.	EXPANSION JOINT	REQ'D.	REQUIRED
EXTR.	EXTRUDED OR EXTRUSION	S.A.	SUPPLY AIR
EXT.	EXTERIOR	S.E.	SERVICE ELEVATOR
F.A.I.	FRESH AIR INTAKE	SEC.	SECTION
F.H.C.	FIRE HOSE CABINET	SIM.	SIMILAR
FIN.	FINISH	S.N.D.	SANITARY NAPKIN DISPENSER
FL.	FLOOR	S.N.V.	SANITARY NAPKIN VENDOR
F.P.	FIREPROOFING	S.S.	SERVICE SINK
F.P.S.C.	FIREPROOF SELF CLOSING	ST. STL.	STAINLESS STEEL
F.T.	FACING TILE	STL.	STEEL
F.E.	FREIGHT ELEVATOR	SUSP.	SUSPENDED
F.D.	FLOOR DRAIN	T.C.R.	TOWEL CABINET & RECEPTACLE
FIXT.	FIXTURE	T.E.	TOILET EXHAUST
GYP.	GYPSUM	TEL.	TELEPHONE
GL.	GLASS	T.R.	TOP REGISTER
HORIZ.	HORIZONTAL	TYP.	TYPICAL
H.	HIGH	T.&B.R.	TOP & BOTTOM REGISTER
HT.	HEIGHT	T.	TREAD
H.P.	HIGH POINT	T.D.	TIE DOWN
H.M.	HOLLOW METAL	V.A.T.	VINYL ASBESTOS TILE
HR.	HOUR	VEST.	VESTIBULE
H.R.	HAND RAIL	V.T.	VINYL TILE
H.V.A.C.	HEATING VENTILATING & AIR CONDITIONING	V.W.C.	VINYL WALL COVERING
I.D.	INSIDE DIAMETER OR DIMENSION	VERT.	VERTICAL
INT.	INTERIOR	WD.	WOOD
INSUL.	INSULATION	WP.	WATERPROOFING
JT.	JOINT	W.P.	WORKING POINT
JAN. CL.	JANITOR'S CLOSET	W.	WIDE OR WIDTH
K.E.	KITCHEN EXHAUST		

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DEC 28 1990
LESLIE E. R[illegible]SON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	BUL. NO.	BY
6	2-28-72	E-42	L.J.
5	7-24-70	E-16	A.W.
4	5-28-70	E-10	D.G.
3	4-15-70	E-7	D.G.
2	4-15-70	E-5	D.G.
1	11-28-69	E-1	R.C.

REVISIONS

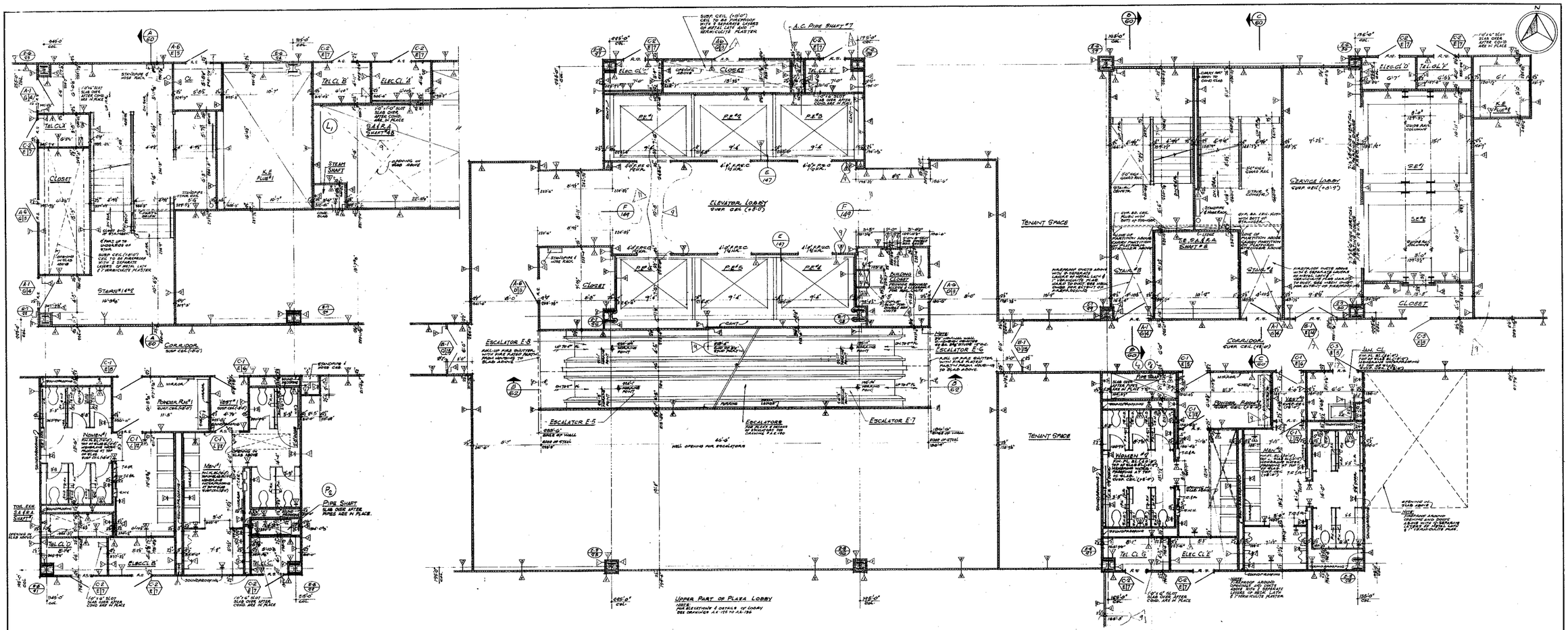
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

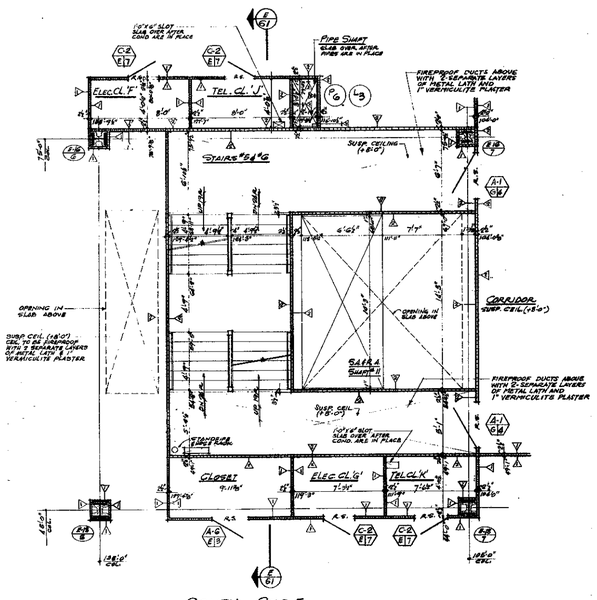
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING — FINISH SCHEDULE

DRAWN: | CHECKED: | SCALE: | DATE: 7-28-69 | PROJECT NUMBER: | SHEET OF | DRAWING NUMBER: A-E-3



WEST CORE



EAST CORE

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLS OF DRAWINGS SEE DRAWING # A-E-1 TO A-E-4
2. FOR COMPLETE 1/8" SCALE PLANS, SEE DRAWINGS # A-E-31 TO A-E-39
3. ALL ELEVATIONS INDICATED THUS (+8'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL WALL DETAILS AND SECTIONS SEE DRAWING # A-E-145
6. ALL TRENCH HEADERS TO BE FIREWRAPPED AT UNDERSIDE OF SLAB, FOR A WIDTH OF 6'-0" WITH A 3 HOUR BY TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TYP. SLAB ELEVATION ARE (+8'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE 1/8" SCALE CORE PLANS.
10. FOR EXITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DWGS.
11. ALL PARTITIONS SHOWN UNFURRED ARE NOT INCLUDED IN THIS CONTRACT.
12. WHERE LAY-IN PANEL CEILINGS ARE CALLED FOR, BEAMS AT CLOSETS, ETC. SHALL BE FURRED TO THE BOTTOM ELEVATION OF THE PIPES AND DUCTWORK SHALL BE ARRANGED IN SUCH A WAY TO PROVIDE THE MAXIMUM CEILING SPACE.
13. FOR PARTITION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING # A-E-146

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211 EAST 43RD ST., N.Y.C. 10017

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CONTRACT BID DRAWING date 8-25-69

NO.	DATE	SUB. NO.	BY
1		E-225	H.K.

NO.	DATE	SUB. NO.	BY
1	2-20-70	E-83	L.C.
2		A-87	L.J.
3	5-6-71	E-95	L.J.
4	10-6-71	E-95	L.J.
5	5-6-71	E-95	L.J.
6	7-9-70	E-16	A.N.
7	5-28-70	E-10	D.G.
8	6-16-70	E-5	D.G.
9	6-15-70	E-7	D.G.
10	11-25-69	E-1	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE
NORTHEAST PLAZA BUILDING
3RD FLOOR CORE PLANS
MEZZANINE FLOOR

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-10-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-30		

AE-32

NORTH

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & LEGENDS OF DRAWINGS SEE DRAWINGS # A-1.1 TO A-1.4
2- FOR COMPLETE 16" SCALE CORE PLANS SEE DRAWING # A-E-35
3- ALL ELEVATIONS INDICATED THUS (0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE ALTERATIVE ENGINEERS' INDEX
5- FOR TYPICAL STAIR DETAILS SEE DWG # A-E-166
6- ALL TRENCH HEATERS TO BE INSTALLED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEATERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED
8- CENTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 4" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
9- GRADING AND TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10- FOR EXITS AND SUB-DIVISION OF TENANT SPACES SEE TENANT ARCHITECTS DRAWINGS
11- FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALLS NOT SHOWN OR NOTED ON THIS PLAN OR IN CORE PLANS, ENCLOSE AREA IN 1"TH FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS AND 5/8" GYPSUM WALL BOARD SEE TYPICAL DETAILS ON DWG # A-E-34
12- ALL PARTITIONS SHOWN UNIFORMS ARE NOT INCLUDED IN THIS CONTRACT.
13- EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF FIRST CENTER-LINER AND FOR NUMBER OF WINDOW SPACES. FOR SIZES OF WALLS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
14- SPRINKLER HEADS INDICATED THUS ⊕ ARE SPACED ON CENTERLINE OF CORRIDORS AND CENTERED EQUALLY BETWEEN LIGHT FIXTURES.

DETAIL OF PIPE SHAFT AT COL A-7/21
SCALE 1/4"=1'-0"

DETAIL OF PIPE SHAFT AT COL A-7/25
SCALE 1/4"=1'-0"

RECEIVED
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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

KEY PLAN

MATCH LINE 'B'
FOR CONTINUATION OF PLAN SEE DRAWING # A-E-34

MATCH LINE 'A'
FOR CONTINUATION OF PLAN SEE DRAWING # A-E-32

CONTRACT	BID	DRAWING	date 6-25-69	
		2	2-28-72	E-83 L.C.
		1	7-28-72	E-82 L.J.
				E-87 L.J.
		1	3-4-71	E-86 L.J.
		1	5-6-71	E-85 L.J.
		1	9-4-70	E-19 L.J.
		1	6-16-70	E-3 DG
		1	6-16-70	E-5 DG
		1	6-18-70	E-7 DG
		1	11-26-69	E-1 DG
		1	11-8-75	E-326 L.H.

NO. DATE SUB. NO. BY — REVISIONS

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CHIEF, PLANNING DIVISION
DATE

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
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WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

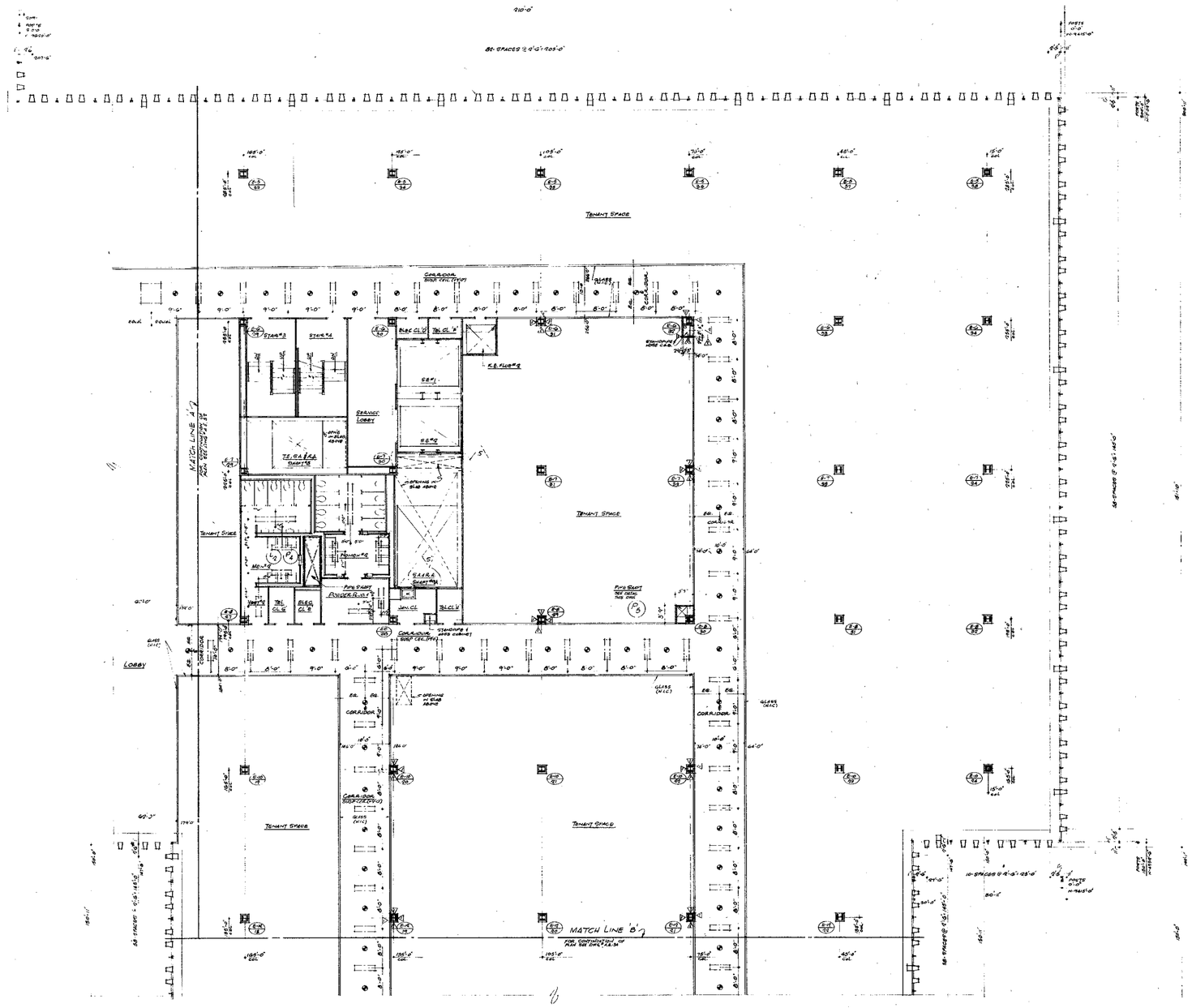
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
4TH FLOOR PLAN-WEST
TRADEMART FLOOR

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-28-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-32		

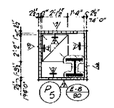
A-E-33

NORTH



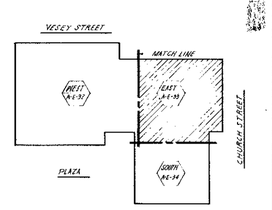
Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-E-1 TO A-E-4.
2. FOR COMPLETE 4" SCALE CORE PLAN SEE DRAWING A-E-35.
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERED DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-E-102.
6. ALL TRENCH HEADERS TO BE SURFACE MOUNTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (-0'-0") UNLESS SHOWN OR NOTED
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 4" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 1/2" FROM HORIZONTAL SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR SITE AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11. FOR FIREPROOFING OF ALL P.C. STANDING COLUMNS WITHIN PERIMETER WALLS NOT SHOWN OR NOTED ON THIS PLAN SEE CORE PLANS. PROVIDE SPRAY-ON TYPE FIREPROOFING ADJACENT COLUMNS AND FINISH WITH METAL STUDS AND ½" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING # A-E-104
12. ALL PARTITIONS SHOWN DASHTENED ARE NOT INCLUDED IN THIS CONTRACT
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTERLINES AND FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
14. SPRINKLER HEADS INDICATED THUS ⊕ ARE SPACED ON CENTER LINE OF CORRIDORS AND CENTERED EQUALLY BETWEEN LIGHT FIXTURES



DETAIL OF PIPE SHAFT AT COL. E-6 / 30
SCALE 3/16"

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017



KEY PLAN

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT TBD DRAWING dated 5-25-69

NO.	DATE	SUL. NO.	BY
—	—	—	—
1	6-8-70	E-87	L.J.
2	8-4-71	E-93	L.J.
3	9-6-70	E-19	D.G.
4	9-16-70	E-8	D.G.
5	12-9-71	E-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

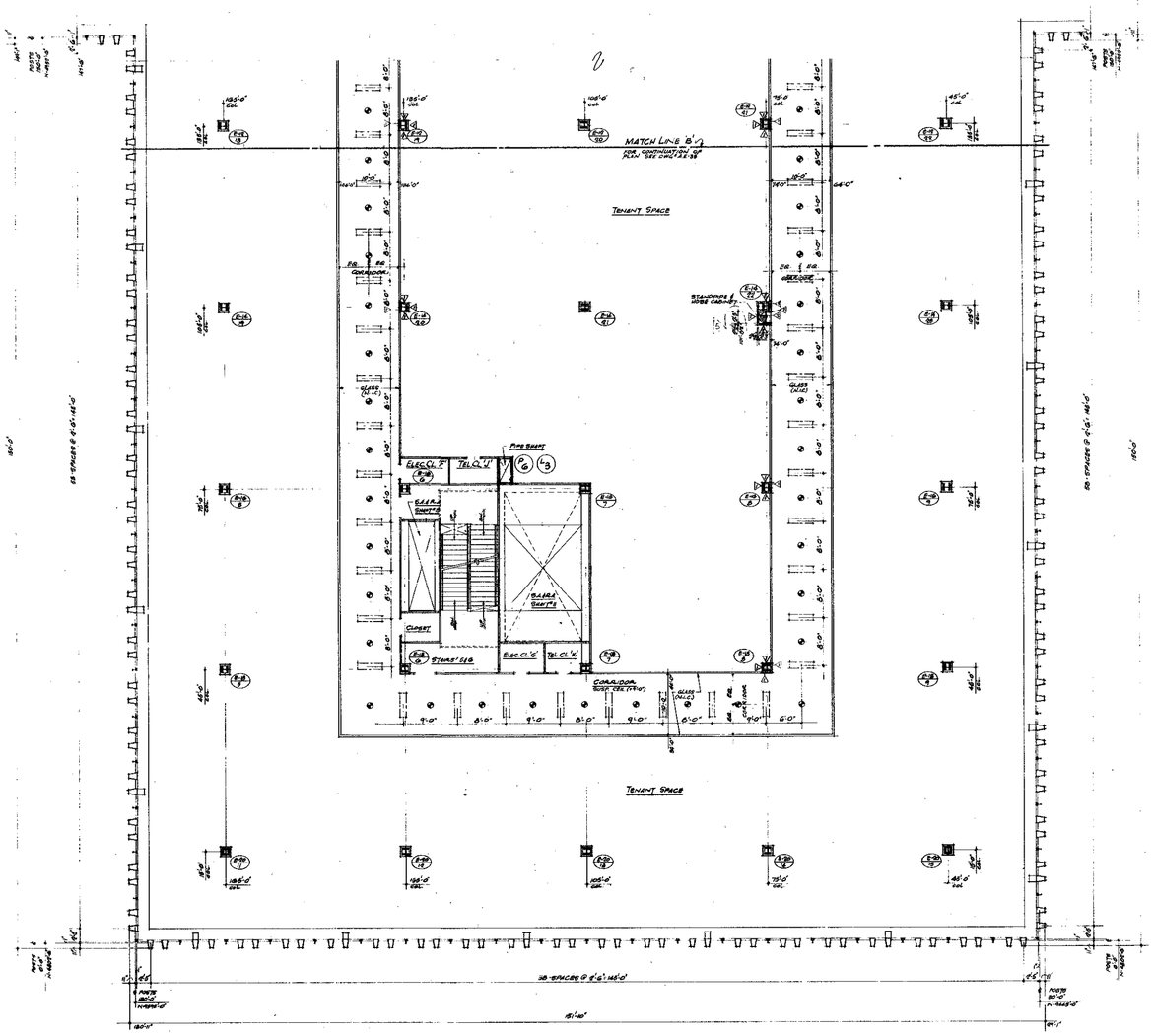
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
4TH FLOOR PLAN-EAST
TRADEMART FLOOR.

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 1-28-71
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-E-33

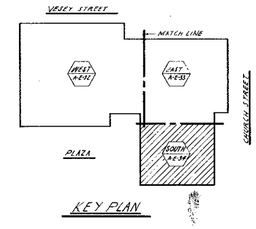
HE-34

NORTH



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, ROOM SCHEDULE, SYMBOLS OF DRAWINGS SEE DRAWINGS # A-E-1 TO A-E-4
2. FOR CONCRETE 6" SCALE CORE PLAN SEE DRAWING # A-E-2B
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STEEL DETAILS SEE DRAWING # A-E-14A
6. ALL TRENCH HEADERS TO BE 1'-6" DEEP AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A DEPTH AS PER DRAWING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS MUST HOLD SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & PREFABRICATING
7. FINISHED FLOOR ELEVATION AND TOP OF REAR ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSIONS IN ELEVATOR, QUARTO AND SHALL BE MINIMUM 78° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR DATA AND SUB-CIRCUIT OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
11. FOR FIREPROOFING OF ALL I-SIZE STEADING COLUMNS WITHIN PLANTER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS, PROVIDE STRAP ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALL BOARD. SEE TYP. W. DETAILS ON DRAWING # A-E-14A
12. ALL PARTITIONS SHOWN DASHED ARE NOT INCLUDED IN THIS CONTRACT.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF FACE OF COLUMNS AND R.A. NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVER ALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
14. SPRINKLER HEADS INDICATED THUS ⊕ ARE SPACED ON CENTERLINE OF CORRIDORS AND CENTERED EQUALLY BETWEEN LIGHT FIXTURES.



KEY PLAN

RECEIVED

DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-25-69

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				5	8-8-71	E-28	LM
				4	9-4-70	E-19	LM
				3	6-16-70	E-7	DMS
				2	4-15-70	E-3	DG
				1	11-25-69	E-1	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

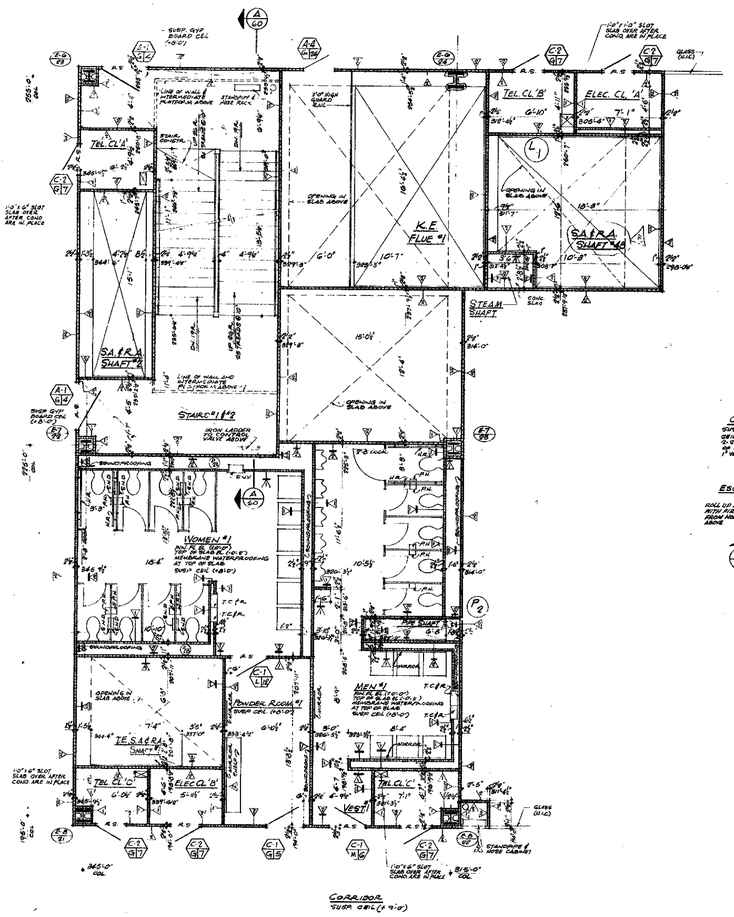
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

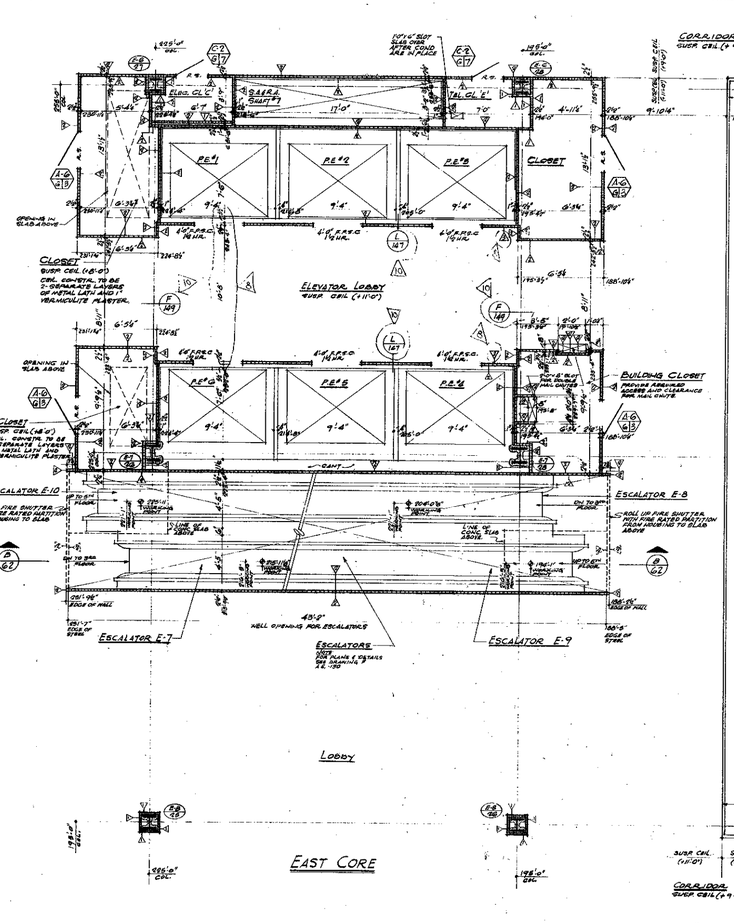
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

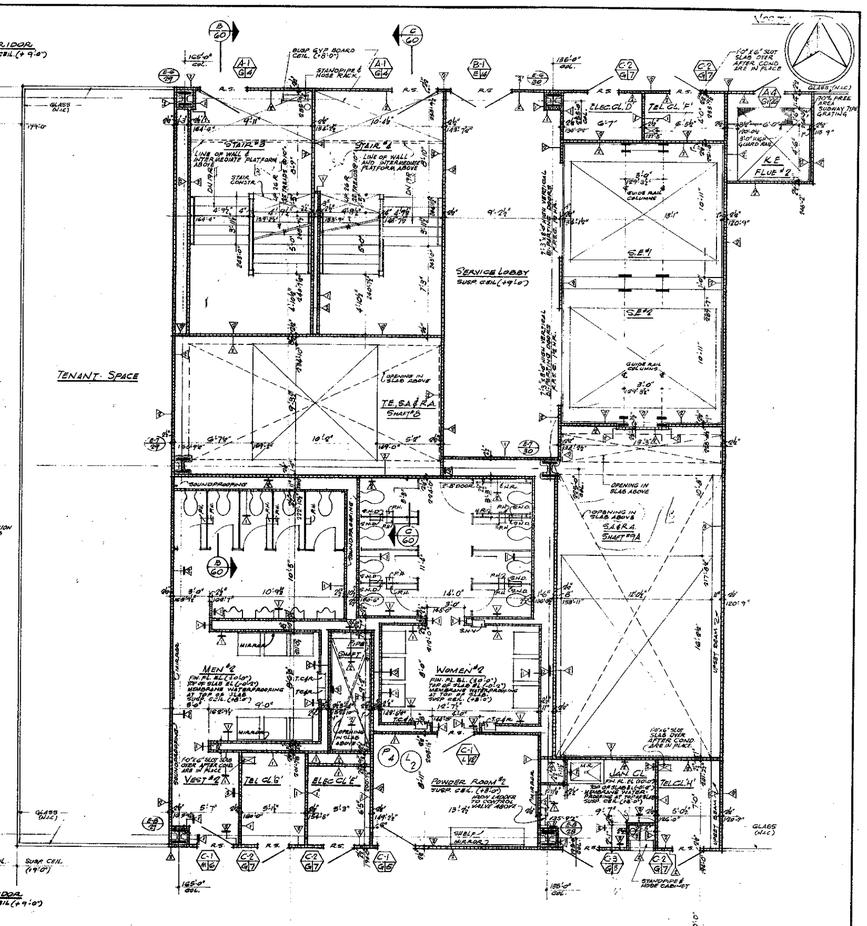
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

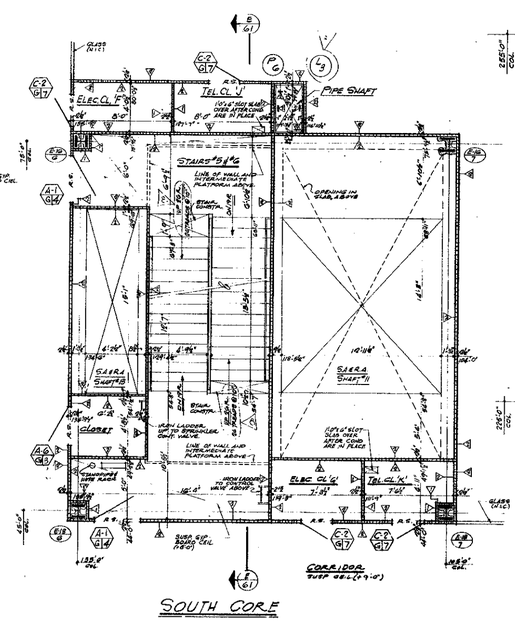
TITLE: NORTHEAST PLAZA BUILDING
4TH FLOOR PLAN-SOUTH
TRADEMART FLOOR

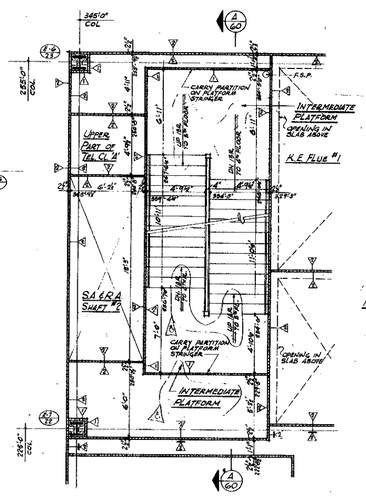
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-34		

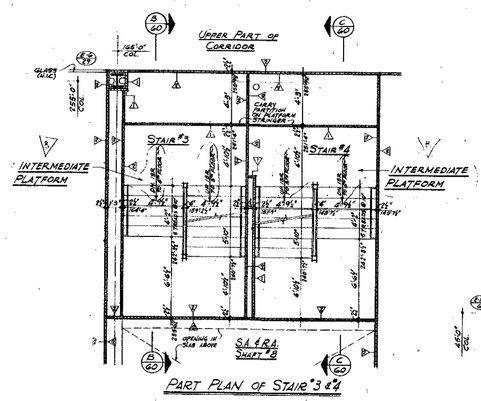


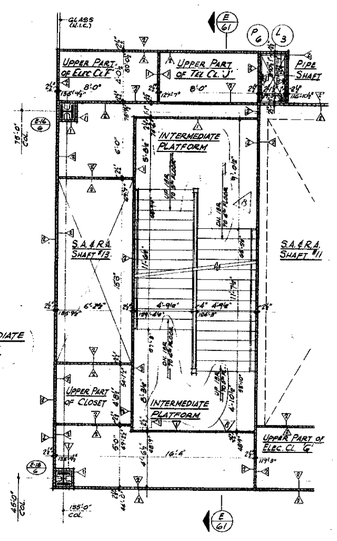


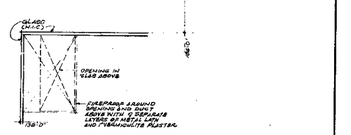












NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND TOILET ROOM ACCESSORIES SEE DRAWING "A-E-10 SERIES".
2. FOR LOCATION OF DRAWING SEE DRAWING "A-E-10 SERIES".
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DWGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS "A-E-14 SERIES".
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A RATING OF TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (3/4" ±) UNLESS OTHERWISE SHOWN OR NOTED.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION AT ELEVATOR SHAFTS AND SHALL BE MINIMUM 78° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR CORRIDOR AND TOILET FINISHES, LAYOUTS, SEE 1/8" SCALE FLOOR PLANS.
10. FOR EXITS AND SUBDIVISION OF TENANT SPACES SEE TENANT ARCHITECTS DRAWINGS.
11. ALL PARTITIONS SHOWN UNDISTURBED ARE NOT INCLUDED IN THIS CONTRACT.
12. FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING "A-E-141".

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 8-23-68

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	SUB. NO.	BY	REVISIONS
1		E-926	H.K.	
2	2-28-72	E-68	L.J.	
3		E-87	L.J.	
4	3-8-71	E-95	L.J.	
5	10-6-71	E-95	L.J.	
6	5-4-71	E-96	L.J.	
7	5-22-70	E-10	D.G.	
8	6-16-70	E-6	D.G.	
9	6-16-70	E-7	D.G.	
10	11-25-69	E-1	D.G.	

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE
NORTHEAST PLAZA BUILDING
4TH FLOOR CORE PLANS
TRADE MART FLOOR

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-35		

NORTH

Notes:
1. FOR GENERAL NOTES KEY TO MATERIALS, ABBREVIATION & FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-E.1 TO A-E.4
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING A-E.20
3. ALL ELEVATIONS INDICATED THUS (16'0") ARE SHOWN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE SHOP HEADS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-E.106
6. ALL TRENCH HEADERS TO BE FIREPROOFED ATMOSPHERIDE OF SLAB FOR A WIDTH OF 6'0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (-2'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. CUNTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL PROJECTION IN RENTABLE SPACE AND SHALL BE MINIMUM 76" FROM HORIZONTAL. SEE TYPICAL DETAIL
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR PARTS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR CORE PLAN PROVIDE SPRAY-ON TYPE FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS AND ⅝" GYPSUM WALLBOARD SEE TYPICAL DETAILS ON DWG. A-E.104
12. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POINT CENTERLINE AND FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS

TENANT SPACE

TENANT SPACE

TENANT SPACE

TENANT SPACE (SEMI CLOSED)

TENANT SPACE

PIPE SHAFT SEE DETAIL THIS SHEET

PIPE SHAFT SEE DETAIL THIS SHEET

DETAIL OF PIPE SHAFT AT COLUMN P1
SCALE ½"=1'-0"

DETAIL OF PIPE SHAFT AT COLUMN P2
SCALE ½"=1'-0"

RECEIVED
DEC 28 1970
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

KEY PLAN

MATCH LINE 'B'
FOR CONTINUATION OF PLAN SEE DRAWING A.E.-37

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT B/D DRAWING date 6-22-67

NO.	DATE	SUB. NO.	BY
A	7-18-72	E-68	L.C.
A	2-28-72	E-48	L.C.
A	10-7-71	E-45	L.C.
A		E-37	L.C.
A	3-6-71	E-25	L.C.
A	4-16-70	E-3	D.G.
A	4-16-70	E-5	D.G.
A	4-15-70	E-7	D.G.
A	11-26-69	E-1	L.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

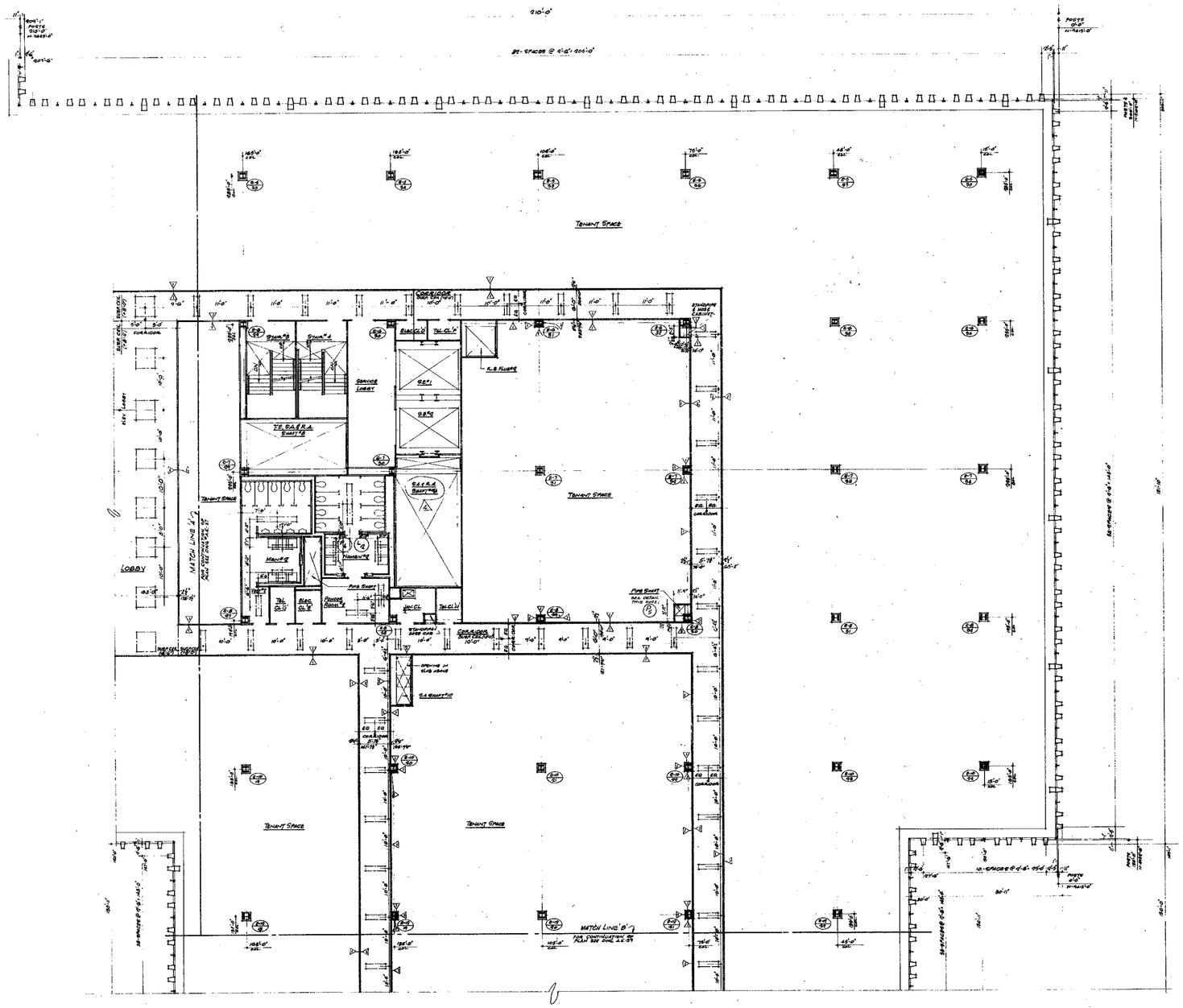
TITLE: NORTHEAST PLAZA BUILDING
5TH FLOOR PLAN-WEST
OFFICE FLOOR

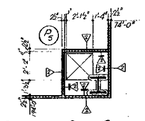
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-37		

AE 38

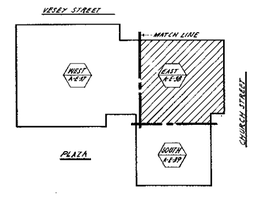
NORTH

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A.E-1 TO A.E-4
2- FOR CONCRETE 'C' SCALE CORE PLAN SEE DRAWINGS A.E-10
3- ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5- FOR TYPICAL STEEL OBSTACLE SEE DRAWING " A.E-16.5
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-6" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8- CHUTES ARE REQUIRED ON ALL FLOOR PENETRATIONS OVER 8" ACTIVE DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9- CORRIDOR AND TYPICAL LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10- FOR ENTRY AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11- FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN ON THIS PLAN OR ON CORE PLAN, PROVIDE SPRAY-ON TYPE FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUD AND ⅝" GYPSUM WALLBOARD SEE TYPICAL DETAIL ON DRAWING A.E-16.5
12- ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT
13- EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF PIER CENTERLINES AND NOT NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.





DETAIL OF PIPE SHAFT AT COLUMN (3/56)
4" = 1'-0"



KEY PLAN

RECEIVED
DEC 2 8 1990
LESLIE E. ... ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACTS BOOK DRAWING "A" dtd. 8-25-69

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	10-7-71	E-66	L.J.
2	8-27	E-87	L.J.
3	5-6-71	E-98	L.J.
4	1-18-72	E-8	DG
5	11-28-69	E-1	DG

APPROVED
CHIEF, PLANNING DIVISION
DATE

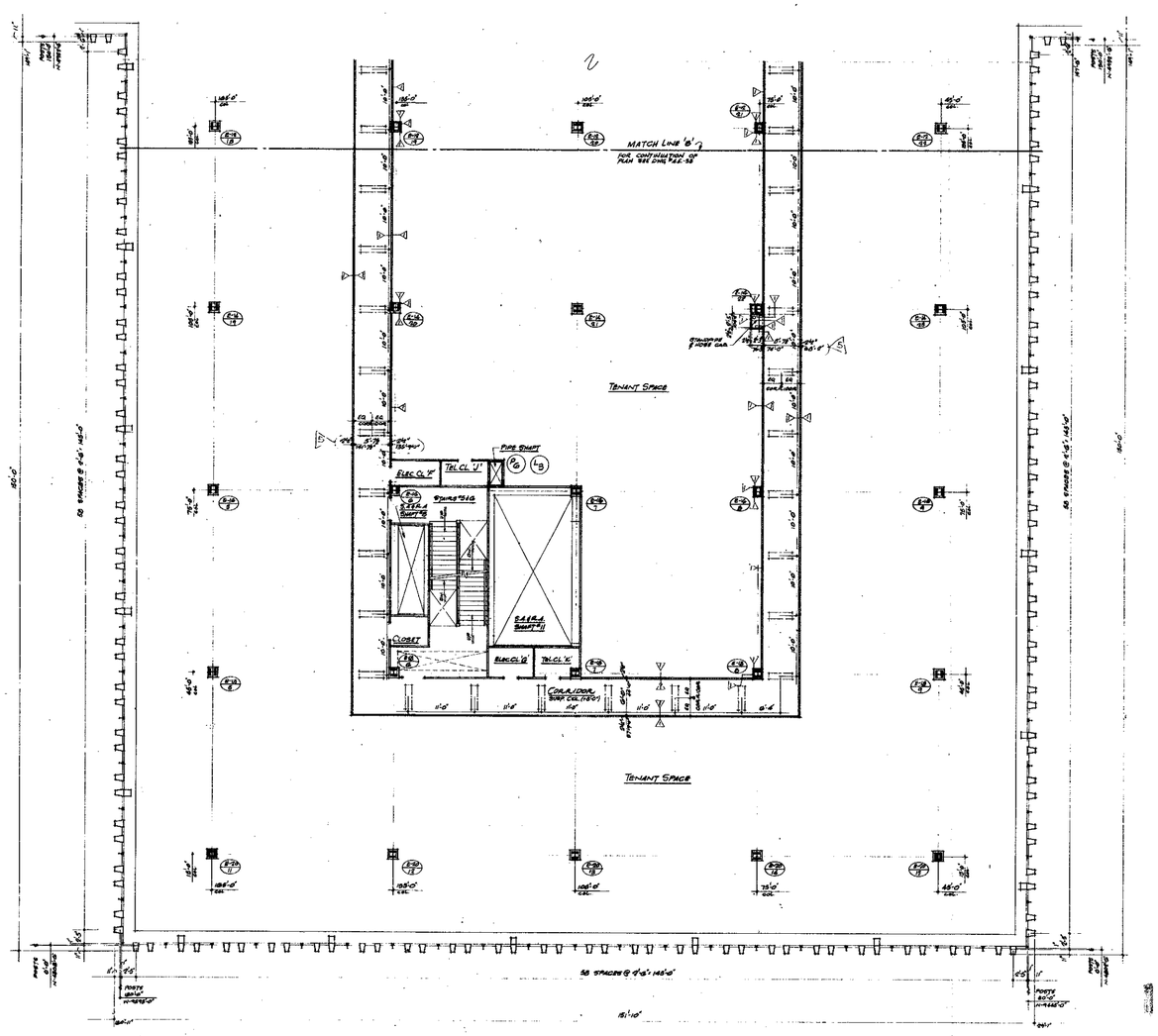
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

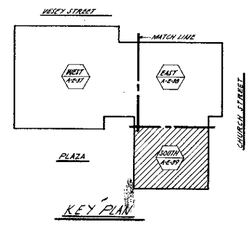
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
5TH FLOOR PLAN - EAST
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·38		

NORTH





NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS AE-1 TO AE-4
2. FOR COMPLETE 16" SCALE CORE PLAN SEE DRAWING AE-1C
3. ALL ELEVATIONS INDICATED THUS (50'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING AE-14A
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS EMPLOYED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (12'-0") UNLESS OTHERWISE SHOWN ON NOTED
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL SEE TYPICAL DETAILS
9. CORRIDOR & TYPICAL LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR EXITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DWGS
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NO. SHOWN OR NOTED ON TYPE PLAN OR ON CORE PLANS PROVIDE SPRAY ON TYPE FIREPROOFING AROUND COLUMNS AND FURR WITH METAL STUD AND 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DWG # A.E-14
12. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF MULLION CENTERLINES AND FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVER ALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-15-69

NO.	DATE	SUB. NO.	BY
1	10-7-71	E-48	LJ
2	5-2-71	E-73	LJ
3	6-16-70	E-7	DG
4	6-16-70	E-3	DG
5	11-25-69	E-1	DG

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

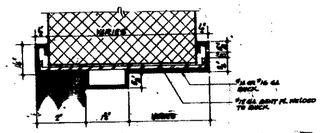
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
5TH FLOOR PLAN-SOUTH
OFFICE FLOOR

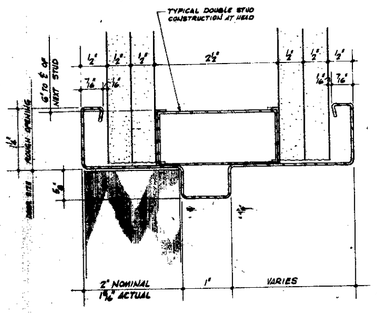
DRAWN		CHECKED	
SCALE	16"=1'-0"	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·39		



TYPICAL DETAIL OF REINFORCED HEAD AT MASONRY PARTITION

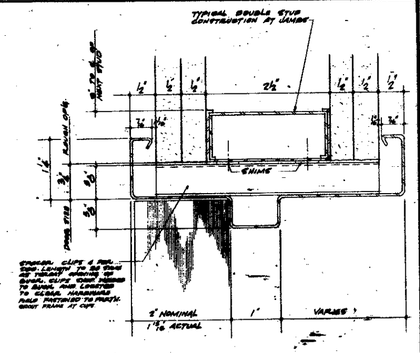
SCALE - HALF FULL SIZE

(SEE SCHEDULE OF BUCK & REINFORCEMENT GAUGES)



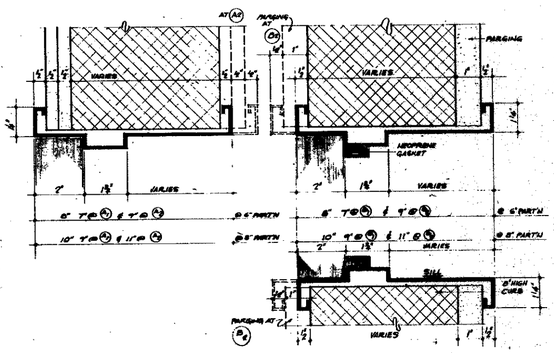
TYPICAL HEAD AT STUD PARTITION

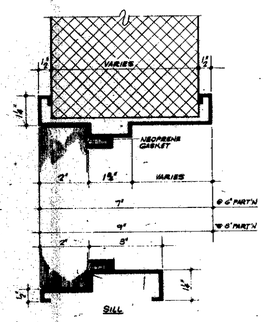
SCALE - FULL SIZE

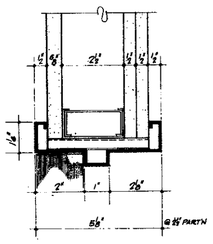


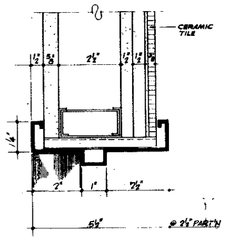
TYPICAL JAMB AT STUD PARTITION

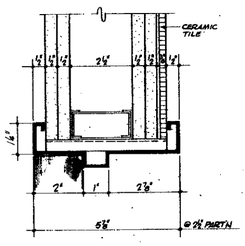
SCALE - FULL SIZE











A (A1) SAME AS DETAIL 'A' WITH GYP. WALLBOARD OMITTED (A2) SAME AS DETAIL 'A' WITH GYP. WALLBOARD & METAL STUDS OMITTED

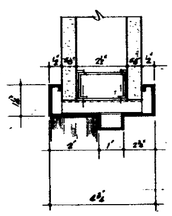
B (B1) SAME AS DETAIL 'B' WITH FACING OMITTED (B2) SAME AS DETAIL 'B' WITH FACING & GYP. WALLBOARD OMITTED

C

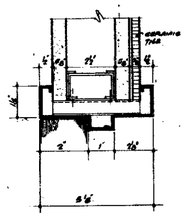
D (D1) 4 SIDED BUCK WITH NEOPRENE GASKET SILL DETAIL SAME AS DETAIL (J)

L

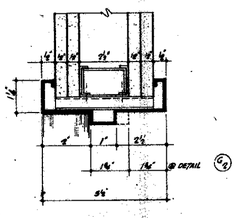
M



E (E1) 4 SIDED BUCK WITH NEOPRENE GASKET & SILL DETAIL SAME AS (H)

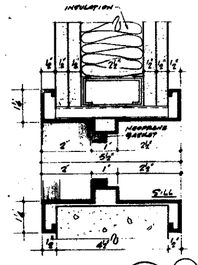


F

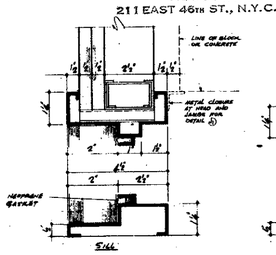


G (G1) 4 SIDED BUCK WITH NEOPRENE GASKETING, SILL DETAIL SAME AS (J)

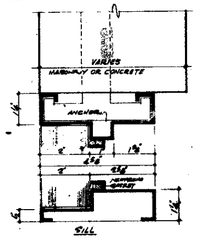
(G2) SAME AS DETAIL 'G' EXCEPT FOR 1/4" STOP



H (H1) SAME AS (H) WITH SILL DETAIL SAME AS (J)



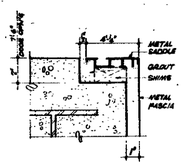
J (J1) AS NOTED



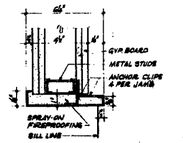
K

NOTE: CHECK REQUIRED OF CHOSE JAMB SHOWN TO BE SET BEFORE ROUGHING CONC.

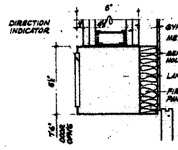
SCALE - HALF FULL SIZE FOR DETAILS 'A' TO 'K'



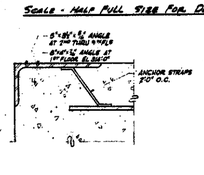
A-A



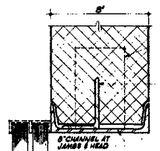
B-B



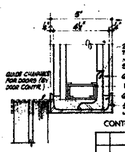
CC



D-D (D2) 4 SIDED BUCK WITH NEOPRENE GASKET



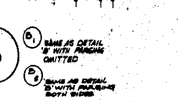
E-E



F-F

ELEVATOR SHAFT DOOR FRAME DETAILS

SCALE: 3"=1'-0"



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RECEIVED

DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES

211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COORDINATION

ELEVATION	TYPE NO	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	FRMC	FR	16 GA. CONTIN.	4 SIDED BUCK	NEOPRENE GASKET	180° SWING	REMARKS
	A-1	3'-7"	7'-0"	1¾"	●		●				
	A-2	3'-0"	7'-0"	1¾"	●		●				
	A-3	3'-0"	7'-0"	1¾"	●		●	●			
	A-4	2'-0"	7'-0"	1¾"	●		●	●			
	A-5	3'-9"	7'-0"	1¾"		●	●	●			
	A-6	3'-0"	7'-0"	1¾"		●	●	●			
	A-7 *	3'-9"	7'-0"	1¾"	●		●	●			
	A-8	2'-6"	7'-0"	1¾"	●		●	●			
	A-9	3'-0"	7'-0"	1¾"	●		●	●			POLISHED WIRE GLASS VISION PANEL W/ LOCKSET & HDW.
	A-10	7'-0"	5'-0"	1¾"	●		●	●			
6'-8" WIRE GLASS VISION PANEL											
FLUSH HOLLOW METAL DOOR.											
	B-1	5'-0"	7'-0"	1¾"	●		●				
	B-2	5'-0"	7'-0"	1¾"	●		●				
	B-3	6'-0"	7'-0"	1¾"	●		●	●			
	B-4	6'-0"	7'-0"	1¾"	●		●	●			
	B-5	8'-0"	7'-0"	1¾"	●		●	●			
	B-6	7'-0"	7'-0"	1¾"	●		●	●			
	B-7	6'-0"	7'-0"	1¾"	●		●	●	●		POLISHED WIRE GLASS VISION PANEL W/ LOCKSET & HDW.
6'-8" WIRE GLASS VISION PANEL											
(2) FLUSH HOLLOW METAL DOORS											
	C-1	3'-0"	7'-0"	1¾"	●		●				
	C-2	2'-6"	7'-0"	1¾"		●	●				
	C-3	3'-0"	7'-0"	1¾"		●	●				
6"											
13'-0"											
FLUSH HOLLOW METAL DOOR WITH LOUVERS											
	X-1 #	3'-0"	7'-0"	1¾"							# SEE CONCOURSE LOBBY DETAILS FOR DOOR, BUCK & FINISHES
	X-2 #&										# SEE CONCOURSE LOBBY DETAILS FOR DOOR, BUCK & FINISHES
	X-3 #	3'-0"	7'-0"	1¾"	●		●				# SEE CONCOURSE LOBBY DETAILS FOR DOOR, BUCK & FINISHES
	X-4 #	3'-9"	7'-0"	1¾"	●		●				# SEE PLAZA LOBBY DETAILS FOR DOOR, BUCK, FINISH, & SHEE
	X-5 *										# SEE BULKHEAD DETAIL DWG. A-E-106
	X-6 #	8'-4"	7'-0¾"								# SEE CONCOURSE LOBBY DETAILS FOR DOOR & BUCK
	X-7 *										
	X-8 #	4'-4"	7'-0"								
	X-9 *										
	X-10 #										
	X-11 *										
	X-12 *										

* # NOTE
1. 3'-0" DOOR AT LOBBY BUILDING SIDE OF ENTRANCE TO BE DOUBLE ACTING
2. SEE TO BE CUT AT WHEEL FLOOR CLOSING DOOR.

SCHEDULE OF BUCK AND REINFORCEMENT GAUGES

DOOR SIZE	PART'N THICKNESS	BUCK GAUGES	REINFORCEMENT GAUGES
UP TO 4'-0"	2", 3 5/8"	#16	SEE NOTE #2
UP TO 3'-0"	4"	#16	SEE NOTE #2
3'-1" TO 4'-0"	6"	#16	#12
3'-0" TO 4'-0"	8"	#16	#12
4'-1 TO 6'-0"	2", 3 5/8", 4", 6", 8"	#16	#12

NOTES
1. ALL BUCK REINFORCEMENT AS SHOWN ON SCHEDULE APPLIES TO ONE FACE WHERE IN MASONRY "PARTY" OWN ONLY
2. ALL DOOR BUCKS THAT CARRY FACING TILE OR MARBLE TO HAVE #12 GAUGE REINFORCED HEAD
3. ALL DOORS 6'-0" OR LARGER, AND ALL EXTERIOR DOOR TO HAVE ANGLE LINTEL
4. ALL DOOR BUCKS THAT CARRY "SURFACE" 8" OR MORE IN THICKNESS SHALL BE #16 GAUGE BUCK WITH #12 GAUGE REINFORCEMENT
5. DETAILS OF DOOR BUCKS ARE SHOWN FOR WIDTH OF BUCK AND WALL CONDITIONS ONLY. FOR ACTUAL DOOR LOCATION AND SWING REFER TO PLANS.

N.E. PLAZA BUILDING ELEV. DOORS & FRAMES

ELEV NO	FLOOR	JAMB	HEAD	SILL	REMARKS
SE 7'6"& NE 7'6"	ELEVATOR LOBBY EL. 100'-3"	E-E	E-E	*	SEE ELEVATOR LOBBY DETAILS DWG# AE-105 FOR SCHEDULE
SE 7'6"& NE 7'6"	FIRST FLOOR EL 86'-0"	SPECIAL	SPECIAL	SPECIAL	SEE ELEVATOR LOBBY DETAILS DWG# AE-105 FOR SCHEDULE
SE 7'6"& NE 7'6" PE 7'0"& PW 7'0"	EL 99'-0"	F-F	F-F	D-D	
		SPECIAL	SPECIAL	SPECIAL	
SE 7'6"& NE 7'6" PE 7'0"& PW 7'0"	2ND TO 6TH FLOORS	F-F	F-F	D-D	
		B-B	C-C	A-A	
SE 7'6"& NE 7'6" PW 7'0"& PE 7'0"	7TH FLOOR	F-F	F-F	D-D	
		B-B	C-C	A-A	

Note
1. ALL ELEVATOR DOORS AND FRAMES TO BE HOLLOW METAL EXCEPT WHERE OTHERWISE NOTED.
2. ALL PASSENGER ELEVATOR DOORS TO BE 7'-0" IN HEIGHT. ALL SERVICE ELEVATOR DOORS TO BE 8'-0" IN HEIGHT.

HUNG LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECT.	OUTLEG THICK	BOTTOM OF LINTEL	FLOOR	REMARKS
HL-1	3"x3"x 5/16	7'-11"	JL-1	8"	15'-4"	7TH	
HL-2	3"x3"x 5/16	7'-11"	JL-1	8"	14'-0"	7TH	
HL-3	3"x3"x 5/16	7'-11"	JL-1	8"	14'-8"	7TH	
HL-4	4"x4"x 5/16	7'-11"	JL-2	8"	14'-0"	289'-6"	
HL-5	4"x4"x 5/16	7'-11"	JL-2	8"	14'-6"	289'-6"	
HL-6	4"x4"x 5/16	8'-7"	JL-2	8"	17'-0"	289'-6"	
HL-7	4"x4"x 5/16	8'-11"	JL-2	8"	18'-6"	289'-6"	
HL-8	4"x4"x 5/16	7'-11"	JL-2	8"	17'-0"	289'-6"	
HL-9	4"x4"x 5/16	7'-11"	JL-2	8"	17'-6"	289'-6"	
HL-10	4"x4"x 5/16	6'-11"	JL-2	8"	14'-6"	289'-6"	
HL-11	4"x4"x 5/16	9'-11"	JL-2	8"	21'-0"	289'-6"	
HL-12	4"x4"x 5/16	7'-11"	JL-2	8"	17'-6"	289'-6"	
HL-13	4"x4"x 5/16	7'-11"	JL-2	8"	17'-6"	289'-6"	
HL-14	5"x3 1/2"x 5/16	7'-11"	JL-3	8"	17'-6"	289'-6"	
HL-15	5"x3 1/2"x 5/16	9'-5"	JL-3	8"	16'-0"	289'-6"	
HL-16	5"x3 1/2"x 5/16	6'-5"	JL-3	8"	15'-3"	289'-6"	
HL-17	5"x3 1/2"x 5/16	7'-8"	JL-3	8"	17'-6"	289'-6"	
HL-18	5"x3 1/2"x 5/16	7'-8"	JL-3	8"	17'-6"	289'-6"	
HL-19	5"x3 1/2"x 5/16	7'-8"	JL-3	8"	17'-6"	289'-6"	
HL-20	5"x3 1/2"x 5/16	6'-8"	JL-3	8"	15'-6"	289'-6"	
HL-21	5"x3 1/2"x 5/16	6'-10 5/8"	JL-3	8"	15'-10"	289'-6"	
HL-22	5"x3 1/2"x 5/16	12'-7"	JL-3	8"	VERTICAL 2'-0"	310'-0"	

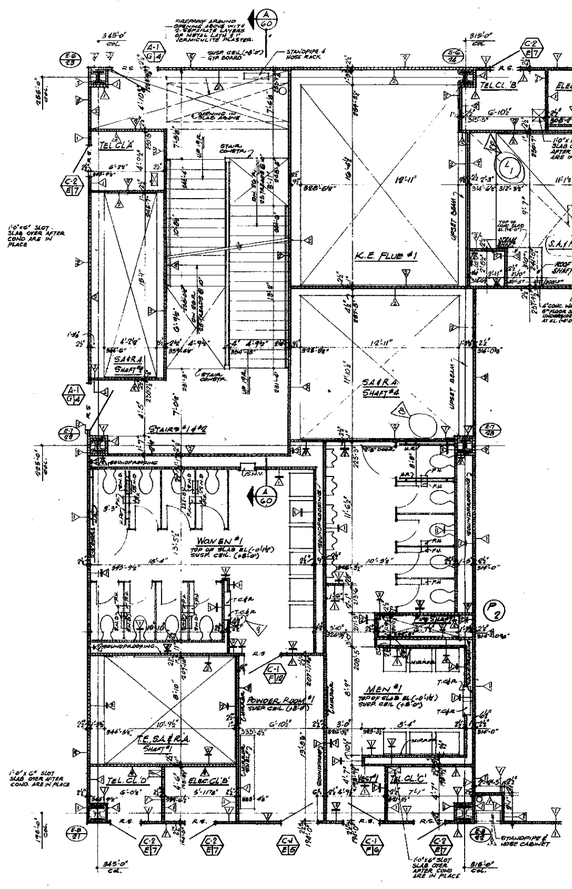
LOOSE LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECT.	WALL THICK.	FLOOR
L-1	3"x3"x 5/16	3'-4"	JL-1	8"	289'-6"
L-2	4"x3 1/2"x 5/16	3'-6"	JL-2	8"	289'-6" & 310'-0"
L-3	5"x3 1/2"x 5/16	4'-10"	JL-3	8"	289'-6" & 310'-0"
L-4	5"x3 1/2"x 5/16	6'-8"	JL-3	8"	310'-0" CURTA WALL

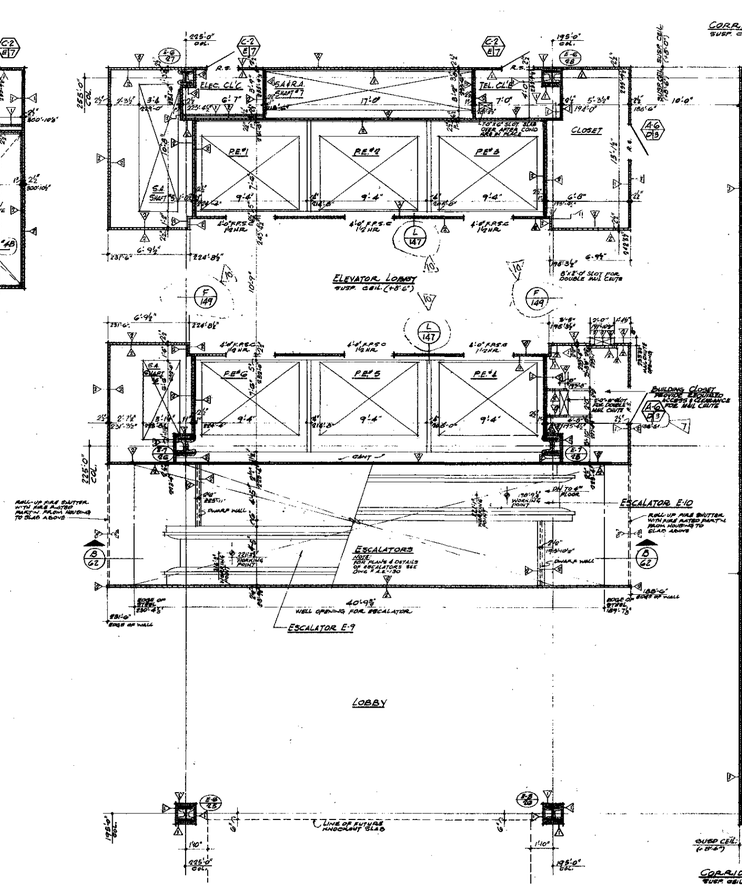
NO.	DATE	REVISION	BY
1	9-20-73	E-13	LB
2	4-19-74	E-146	DE
3	5-22-74	E-147	DE
4	9-26-75	E-165	LH
5	10-6-75	E-166	LH
6	3-1-76	E-172	LH
7	3-26-76	E-173	LH
8	5-10-76	S3-305	JA
9	7-30-76	E-6	JA
10	5-27-76	E-10	DG
11	6-4-76	E-7	DG

CONTRACT BID DRAWING date 5-24-76

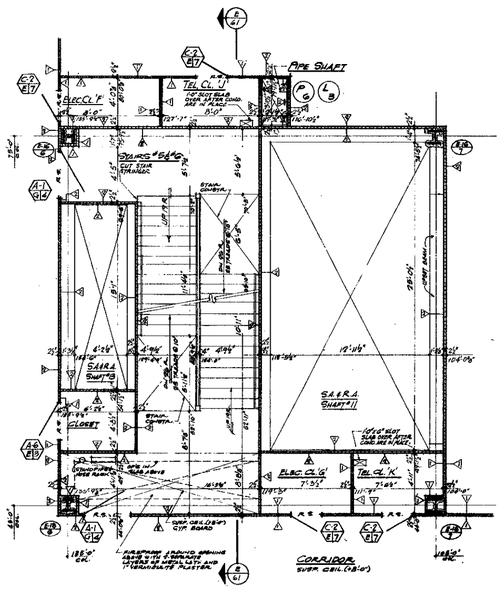
NO.	DATE	REVISION	BY
1	5-10-76	E-10	DG
2	5-27-76	E-7	DG
3	6-4-76	E-11	DG
4	6-4-76	E-12	DG
5	6-4-76	E-13	DG
6	6-4-76	E-14	DG



WEST CORE



EAST CORE



SOUTH CORE

NORTH

Notes

1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING "A.E.-1 TO A.E.-5.
2- FOR COMPLETE "G" SCALE FLOOR PLANS SEE DRAWINGS "A.E.-11 TO A.E.-21
3- ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS "A.E.-146
6- ALL TRENCH HEADERS TO BE FURRED-OUT AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED THEIR DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED
8- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 1'-8" TO PROVIDE FOR FUTURE CEILING INSTALLATION.
9- CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEC SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS
10- FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE "G" SCALE FLOOR PLANS.
11- FOR EXITS AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
12- ALL PARTITIONS SHOWN UNLISTICHED ARE NOT INCLUDED IN THIS CONTRACT.
13- FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING "A.E.-142.

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-31-67

NO.	DATE	BUL. NO.	BY
1		E-12B	H.K.
2	2-28-72	E-4E	L.H.
3		E-8T	L.H.
4	10-6-71	E-9S	L.H.
5	3-4-71	E-9S	L.H.
6	7-24-70	E-16	A.H.
7	5-29-70	E-10	D.G.
8	4-15-70	E-5	D.G.
9	4-15-70	E-7	D.G.
10	11-20-69	E-1	L.L.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
5TH FLOOR CORE PLANS
OFFICE FLOOR

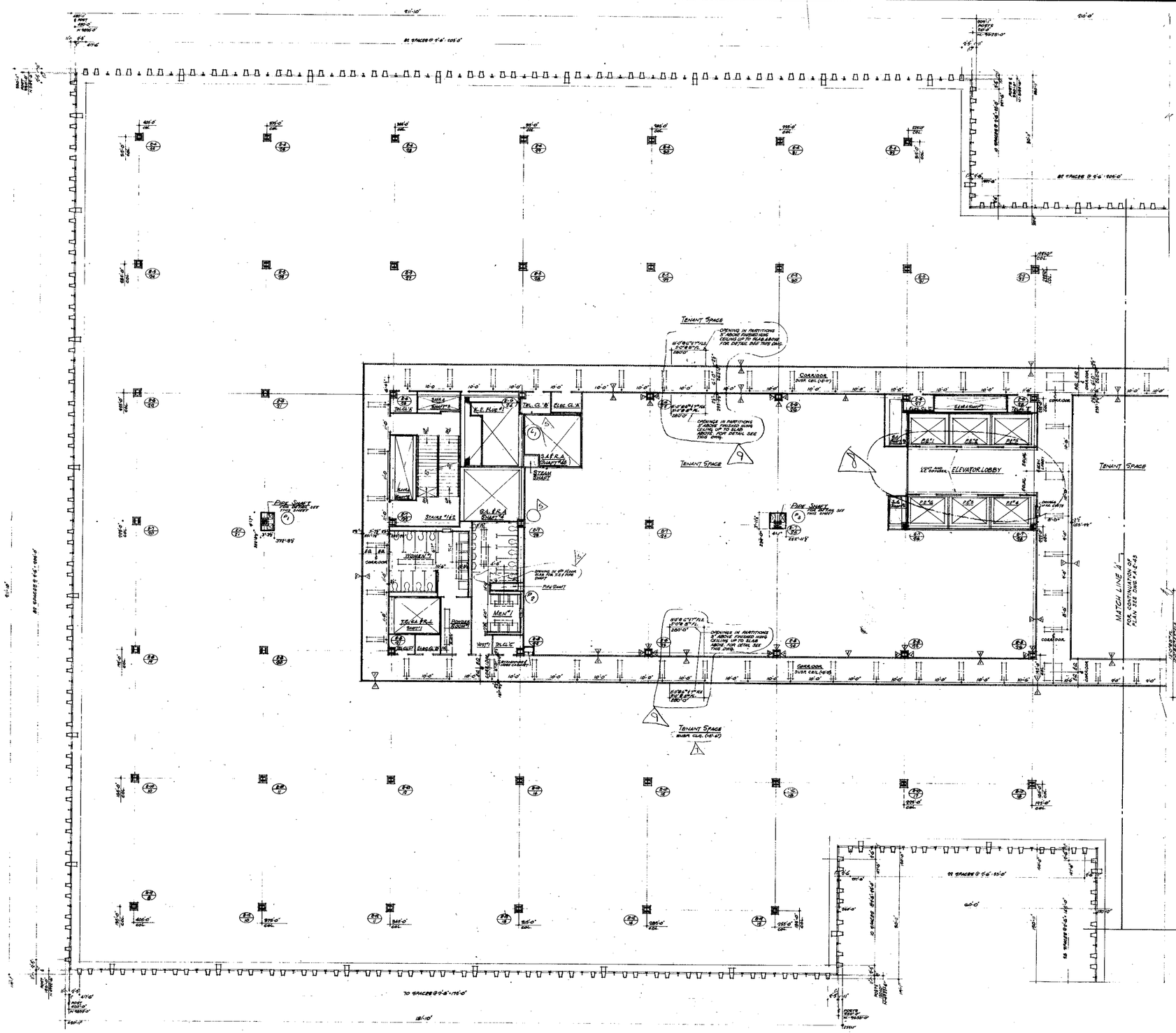
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-18-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-40		

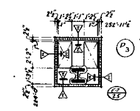
AE-42

NORTH

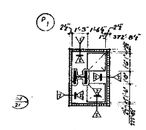
NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWING "A.E-1 TO A.E-4
2. FOR COMPLETE 6" SCALE CORE PLAN, SEE DRAWING" A.E-45
3. ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING" A.E-14G
6. ALL TRENCH HEADERS TO BE APPROVED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON FIREPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. CANTS ARE ASSUMED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
10. FOR, SHOP AND SUB-DIVISION OF TENANT SPACES SEE TENANT ARCHITECTS DRAWINGS
11. FOR FURRING OF ALL "ARC" STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON 1/4" = 1'-0" OR SM CORE PLANS. "FURRING" SHALL BE TYPE XW FURRING AROUND COLUMNS AND FINISH WITH METAL STUDS AND 5/8" GYPSUM WALL BOARD. SEE TYPICAL DETAILS ON DRAWING # A.E-14A
12. ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LAYOUT ON PART CENTERLINES AND FOR MINOR OR MINIMUM SPACES. FOR SIZE OF OPENINGS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS

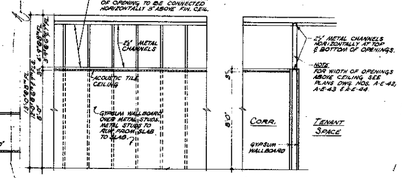




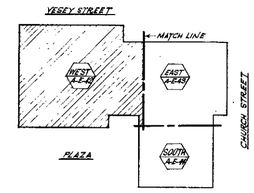
DETAIL OF PIPE SHAFT AT COLUMN
SCALE: 6" = 1'-0"



DETAIL OF PIPE SHAFT AT COLUMN
SCALE: 6" = 1'-0"



DETAIL OF OPENING IN CORRIDOR PARTITION



KEY PLAN

RECEIVED
DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
		8-105	L.C.
2	2-19-76	E-83	L.C.
3	7-12-72	E-92	L.W.
4	10-7-71	E-98	L.W.
5		E-97	L.W.
6	3-4-71	E-95	L.W.
7	4-15-70	E-7	P.G.
8	4-15-70	E-3	P.G.
9	11-28-69	E-1	P.G.

CONTRACT BID DRAWING date 8-25-69

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKELLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

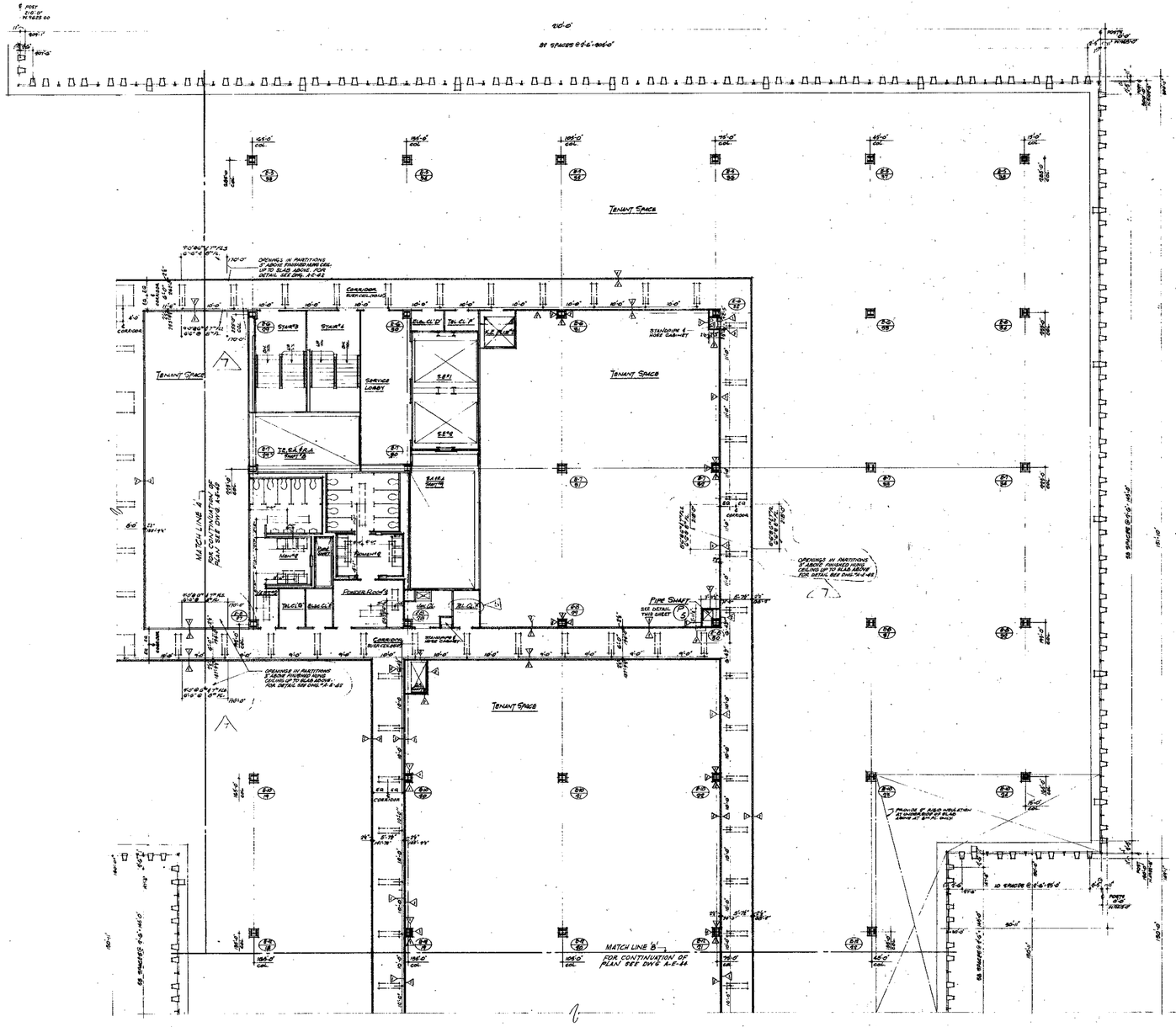
TITLE: NORTHEAST PLAZA BUILDING
6TH, 7TH, & 8TH FLOOR PLAN-WEST
OFFICE FLOOR

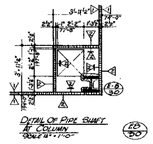
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·42		

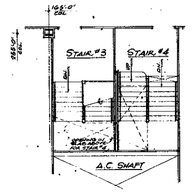
AE-4.3

NORTH

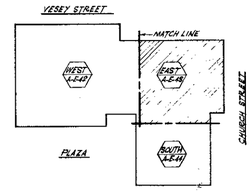
NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-E-1 TO A-E-4
2. FOR CONCRETE 8" SLAB & CORE PLAN, SEE DRAWING A-E-4.5
3. ALL ELEVATIONS INDICATED (WHERE APPLICABLE) ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-E-5.1 & 5.2
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. CANT'S ARE ASSUMED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATOR, SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR EXIT'S AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS.
11. FOR PARTITIONS OF ALL FREE STANDING CEILING HIGH TENANTS WALL NOT SHOWN OR LISTED ON THIS PLAN OR BE LINE PLANS. MAY BE 3 5/8" OR TYPE PARTITIONING. BRACED CEILINGS AND FURR'D WITH METAL STUDS AND ½" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING A-E-1.4 & 1.4A
12. ALL PARTITIONS SHOWN UNFURNISHED ARE NOT INCLUDED IN THIS CONTRACT
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTERLINES AND FOR HEADER OR WINDOW SPACES. MAY BE OFF ON MULLIONS AND OVER ALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.







PART PLAN 8TH FL



KEY PLAN

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-23-68

NO.	DATE	BUL. NO.	BY
1		—	—
2		8-103	L.C.
3	10-7-71	E-68	L.A.
4		E-87	L.A.
5	3-6-71	E-96	L.A.
6	5-22-70	E-10	D.G.
7	4-15-70	E-3	D.G.
8	11-28-69	E-1	D.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

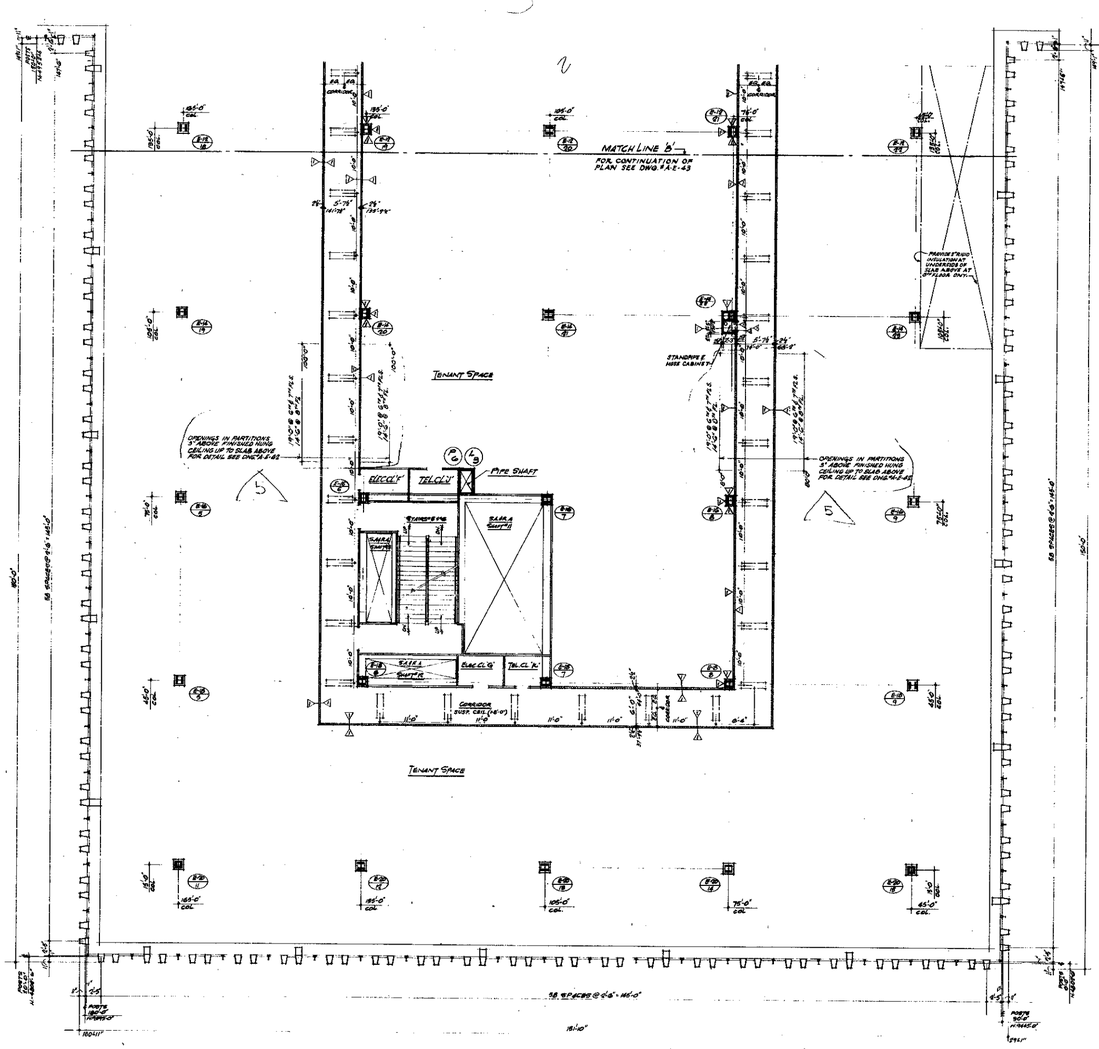
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: NORTHEAST PLAZA BUILDING
6TH, 7TH & 8TH FLOOR PLAN - EAST
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-43		

AE-44

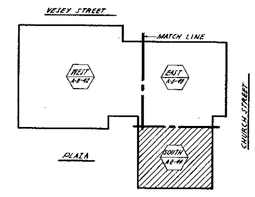


NORTH

Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING # A.E.-1 TO A.E.-4
2. FOR COMPLETE VESSEY STREET PLAN, SEE DRAWING # A.E.-43
3. ALL DIMENSIONS INDICATED THUS (8'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A.E.-146
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS ATTACHED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (8'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. CANTILEVERS REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATION, FACE AND SHALL BE MINIMUM 1" FROM VERTICAL SEE TYPICAL DETAIL
9. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR EXITS AND SUB-DIVISION OF TENANT SPACE, SEE TENANT ARCHITECTS DRAWINGS.
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS, PROVIDE SPECIAL TYPE FIREPROOFING AROUND ALL COLUMNS AND FINISH WITH METAL STUDS AND 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING # A.E.-148
12. ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTERLINES AND FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017



KEY PLAN

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID: DRAWING date 6-22-68

NO.	DATE	SUB. NO.	BY
		E-109	L.C.
1	10-7-71	E-68	L.J.
2	8-4-71	E-85	L.J.
3	6-15-70	E-3	D.G.
4	11-28-69	E-1	L.M.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

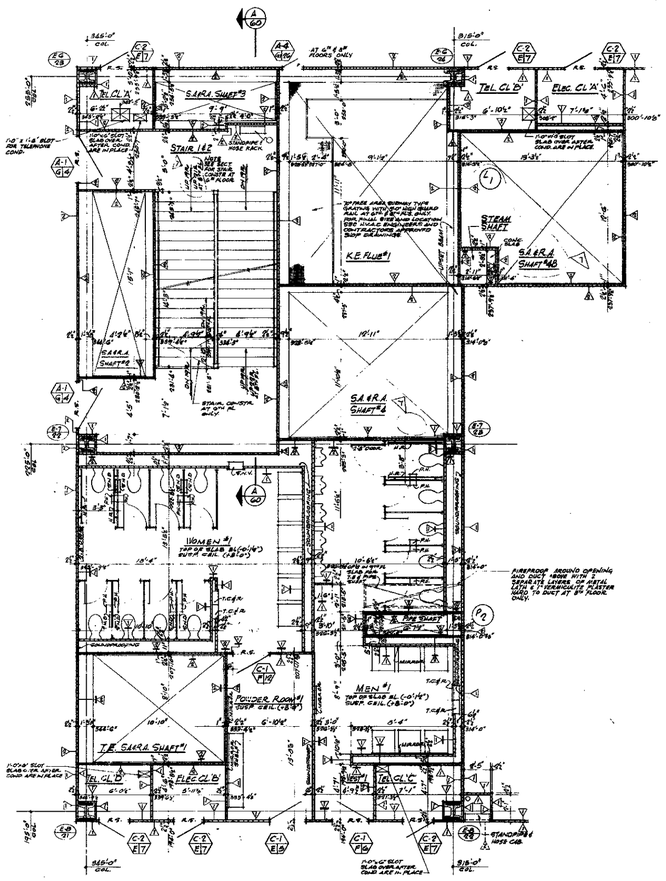
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

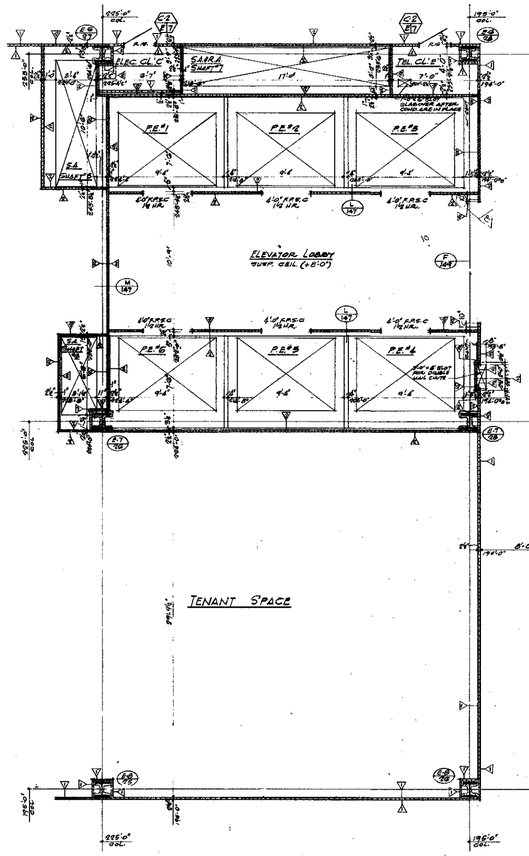
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

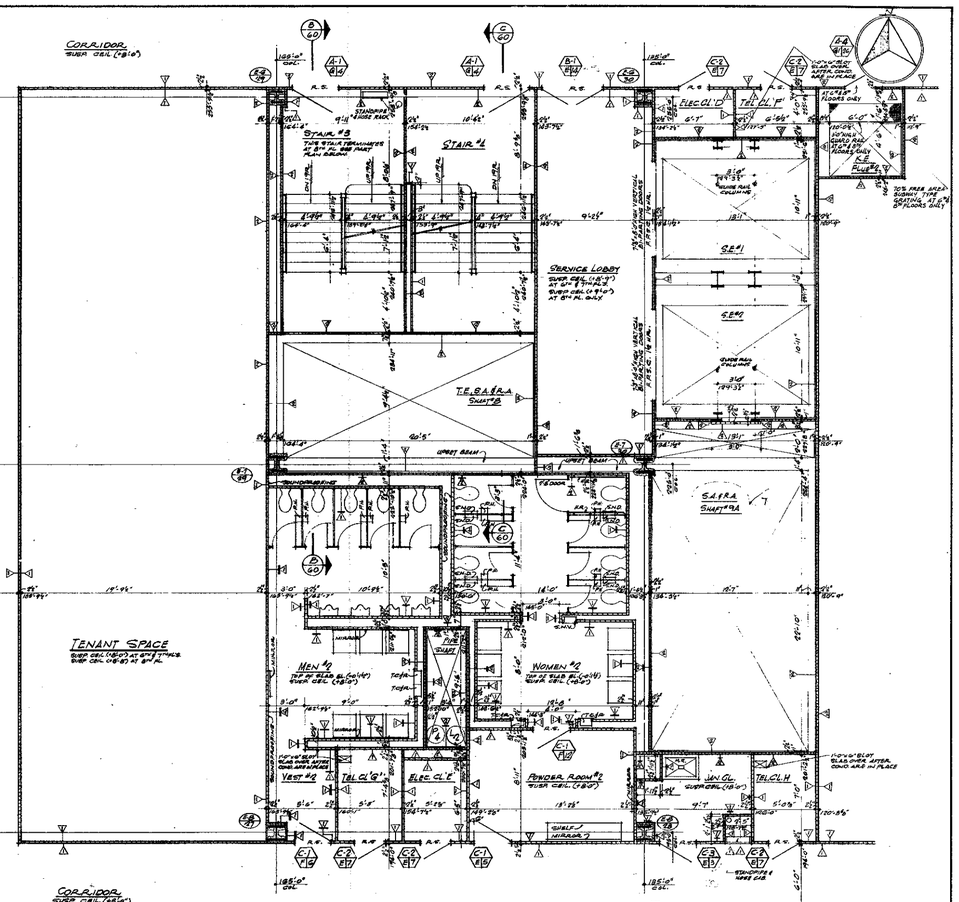
TITLE: NORTHEAST PLAZA BUILDING
6TH, 7TH & 8TH FLOOR PLAN-SOUTH
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-30-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·44		

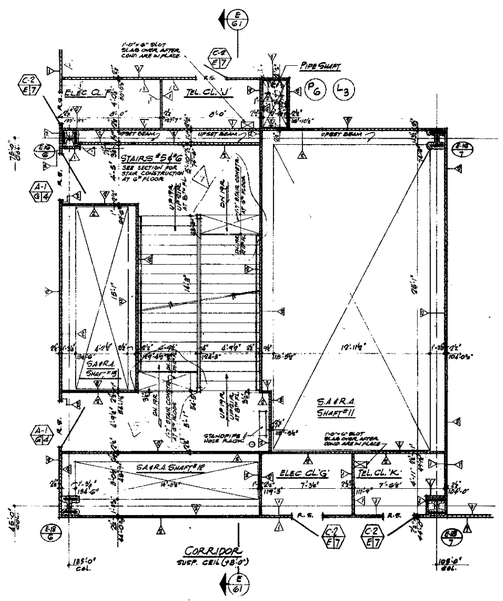


WEST CORE

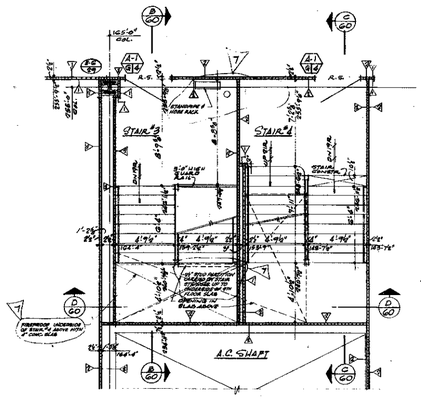




EAST CORE



SOUTH CORE



PART PLAN AT 8TH FLOOR
EAST CORE

NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING "A.E.-1 TO A.E.-4
2- FOR COMPLETE 16" SCALE FLOOR PLANS SEE DRAWINGS "A.E.-45
3- ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISHED FLOOR.
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS A.E.-14.
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A NON-ASBESTOS TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS PART 7B AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT +8'-6" TO PROVIDE FOR FUTURE CEILING INSTALLATION.
9- CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MIN. 75° FROM HORIZONTAL SEE TYPICAL DETAILS
10- FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE 8" SCALE FLOOR PLANS
11- FOR EXITS AND SUBDIVISION OF TENANT SPACE SEE TENANT ARCHITECTS DRAWINGS
12- ALL PARTITIONS SHOWN UNFINISHED ARE NOT INCLUDED IN THIS CONTRACT.
13- FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING "A.E.-14A

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID "DRAWING" Date: 8-23-69

NO.	DATE	REVISIONS	BUL. NO.	BY
			E-125	H.K.
			E-68	L.H.
			E-98	L.H.
			E-97	L.H.
			E-96	L.H.
			E-96	L.H.
			E-16	A.M.
			E-10	P.G.
			E-7	D.G.
			E-1	D.G.

APPROVED
CHIEF, PLANNING DIVISION
DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

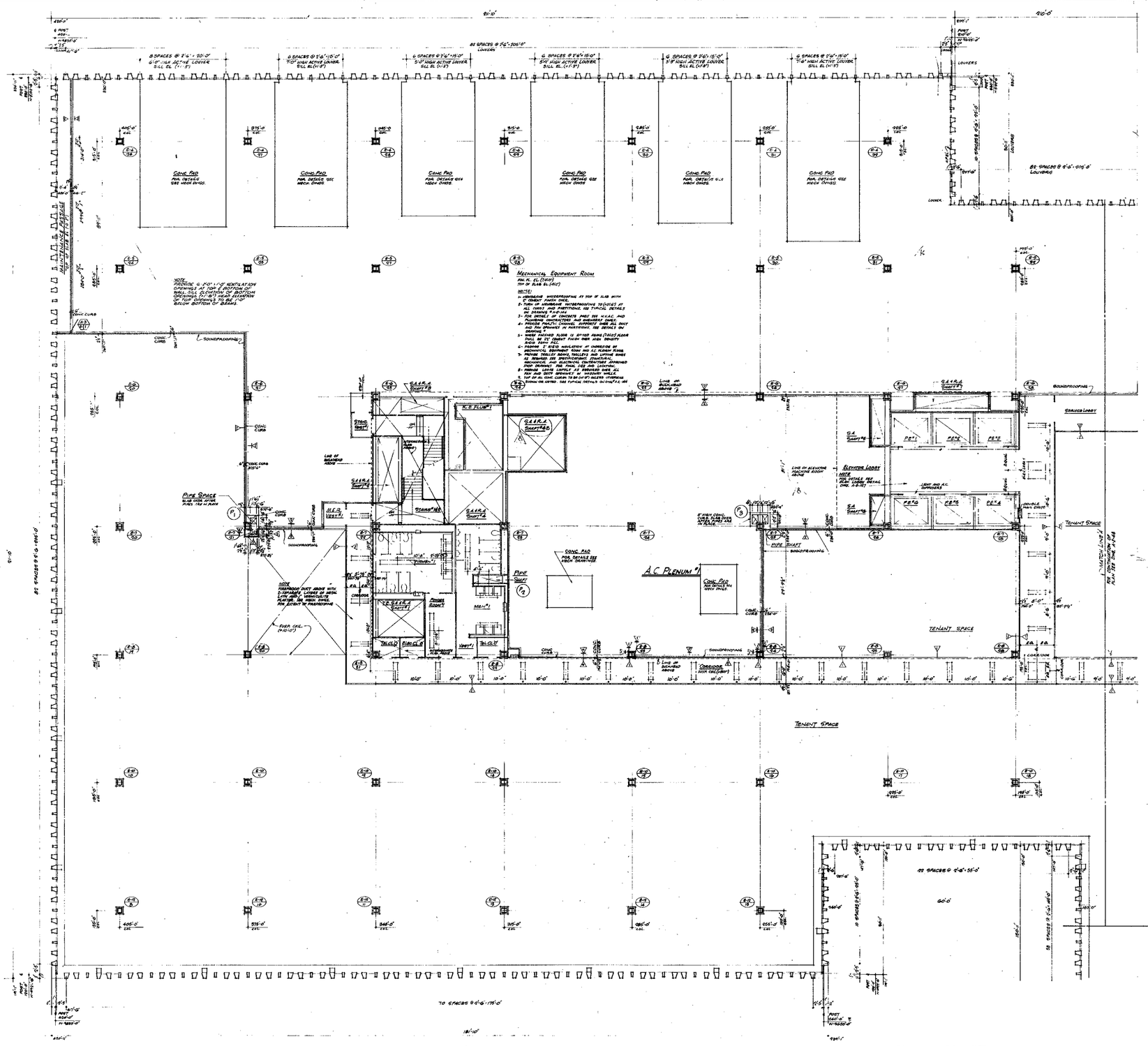
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
6TH, 7TH & 8TH FL. CORE PLANS
OFFICE FLOORS

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·45		

AE-47



NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR, & GLAZING SCHEDULE & SYMBOLS OF DRAWINGS, SEE DRAWING # A-E-1 TO A-E-4
2- FOR CONCRETE & STEEL CORE PLAN, SEE DRAWING # A-E-50 AND A-E-51
3- ALL ELEVATIONS INDICATED THUS (0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR A.C. MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DWGS
5- FOR TYPICAL STAIR DETAILS SEE DRAWING # A-E-46
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH 1 SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS' CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8- CANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYP. DETAILS
9- CORRIDOR AND TOILET LIGHTING LEVELS ARE AS FOLLOWS: FOR ALL FINAL LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10- FOR SUITE AND SUB-DIVISION OF TENANT SPACE, SEE TENANT ARCHITECTS' DWGS.
11- FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER, WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN PROVIDE 2" SPRAY-ON TYPE FIREPROOFING AROUND COLUMN AND FINISH WITH MET. LATH & 5/8" GYPSUM WALLBOARD. IN MECH. EQUIP. RM. GYP. BD. WALL BOARD SHALL BE WATER RESIST. TYPE. SEE TYPICAL DETAILS ON DWG. # A-E-114
12- ALL PARTITIONS SHOWN UNFURNISHED ARE NOT INCLUDED IN THIS CONTRACT
13- ELEVATION TOP OF ALL CONC. LIDS TO BE FLUSH UNLESS OTHERWISE SHOWN OR NOTED
14- EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF FACE OF CENTER LINES AND FOR NUMBER OF WINDOW SPACES. FOR SIZES OF MULLIONS AND OVER ALL DIMENSIONS SEE APPROVED SHOP DRAWINGS

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 8-15-69		
		2 2-28-71	E-8.5	L.J.
		1 10-7-71	E-8.5	L.J.
		9-8-71	E-8.7	L.J.
		7 5-4-71	E-25	L.J.
		6 7-24-70	E-16	A.M.
		5 5-22-70	E-10	D.G.
4-19-76	E-200	L.J. 4 4-16-70	E-8	D.G.
10-01-73	NTC 5460	L.J. 3 4-16-70	E-7	A.W.
2-28-72	E-74	L.C. 2 4-10-70	E-5	A.W.
1-19-72	A-82	L.C. 1 1-28-69	E-1	D.G.
NO. DATE	BUL. NO.	BY NO. DATE	BUL. NO.	BY

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

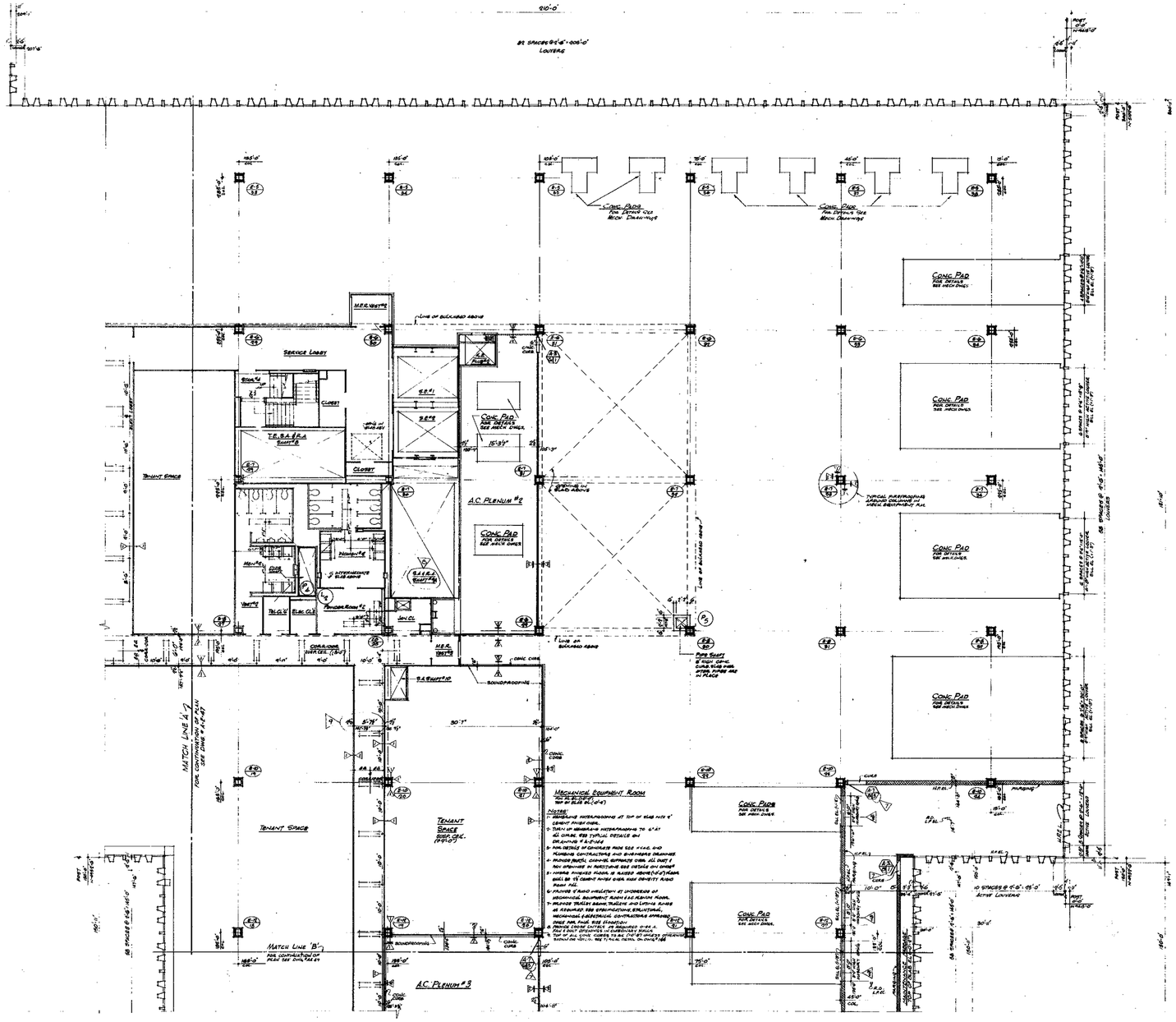
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8 FIXTURE 0 4' 8' 16' 24'

TITLE: NORTHEAST PLAZA BUILDING
9TH FLOOR PLAN WEST
M.E.R. & OFFICE FLOOR

DRAWN	R.H.	CHECKED	
SCALE	1/16"	DATE	1969
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-47		

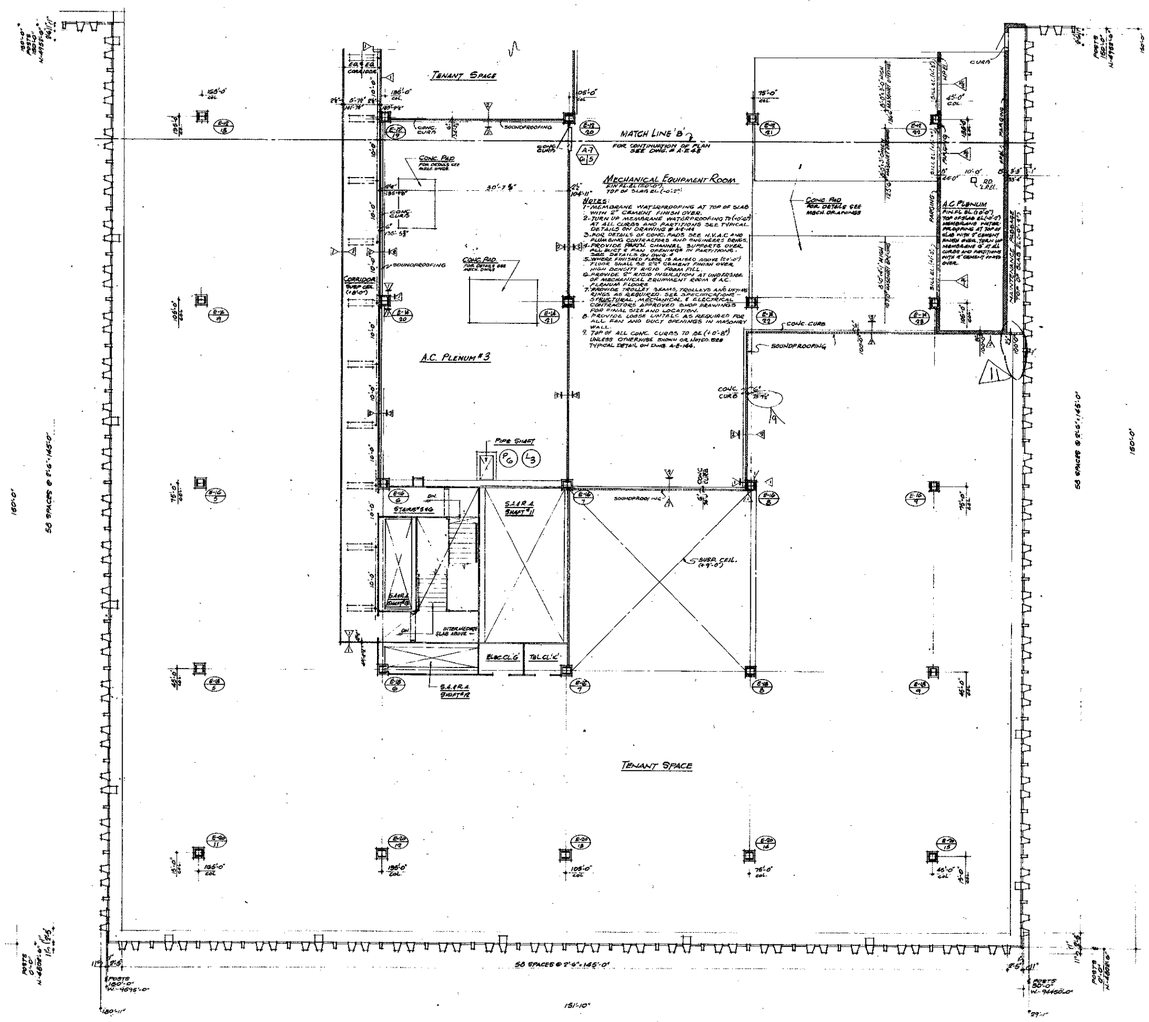
AE-48

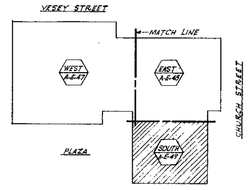

NORTH
NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS, SEE DRAWING # A-E-1 TO A-E-4.
2- FOR CONCRETE & CORE FILL SEE DRAWING # A-E-50 AND A-E-51
3- ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DWGS.
5- FOR TYPICAL STAIR DETAILS SEE DRAWING # A-E-146
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8- CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS & ACTUAL DIMENSION IN ELEVATION SHEETS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYP. DETAILS.
9- CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS. SEE SPECIFICATIONS
10- FOR BLDG AND SUB-DIVISION OF TENANT SPACE, SEE TENANT ALTERATE DRAWINGS.
11- FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR IN CORE PLAN, PROVIDE REMAY-ON TYPE FIREPROOFING AROUND COLUMN AND FURR WITH METAL STUDS AND 5/8" GYPSUM WALLBOARD IN MECHANICAL EQUIPMENT ROOM. GYPSUM WALLBOARD SHALL BE WATERPROOF TYPE. SEE TYPICAL DETAILS ON DWG # A-E-144
12- ALL PARTITIONS SHOWN UNDERSIZED ARE NOT INCLUDED IN THIS CONTRACT.
13- ELEVATIONS TO TOP OF ALL CONC. CURBS TO BE (+0'-8") UNLESS OTHERWISE SHOWN OR NOTED
14- EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTER-LINES AND ROW, WHERE, AT WINDOW SPACES, FOR SILLS OR HOUSING AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017
VESEY STREET
MATCH LINE
WEST 4-E-46
EAST 4-E-46
SOUTH 4-E-46
PLAZA
CHURCH STREET
KEY PLAN
BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID. DRAWING date 8-23-69
REVISIONS
NO. DATE SUB. NO. BY
1 10-7-71 E-48 LJ
2 E-47 LJ
3 10-6-71 E-46 LJ
4 7-26-70 E-16 AM
5 5-22-70 E-10 DG
6 4-15-70 E-3 DG
7 4-15-70 E-5 AW
8 4-15-70 E-7 AW
9 11-18-69 E-1 DG
REVISIONS
NO. DATE SUB. NO. BY
APPROVED
CHIEF, PLANNING DIVISION
DATE
1/8"=1'-0" 0 4' 8' 16' 24'
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS
TITLE
NORTHEAST PLAZA BUILDING
9TH FLOOR PLAN- EAST
M.E.R. & OFFICE FLOOR
DRAWN RA
CHECKED
SCALE 1/8"=1'-0"
DATE 7-20-69
PROJECT NUMBER
SHEET OF
DRAWING NUMBER
A-E-48

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, DOOR SCHEDULE, & SYMBOLS OF DRAWINGS SEE DRAWINGS A-E-1 TO A-E-4
2. FOR COMPLETE ¼" SCALE CORE PLAN SEE DRAWINGS A-E-50 AND A-E-51
3. ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. FOR TYPICAL ITEMS, DETAILS SEE DRAWING A-E-14G
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISHED FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. CURBS ARE REQUIRED ON ALL SLAB PROJECTIONS OVER 6" ACTUAL DIMENSION IN ELEVATION, WIDTH AND SHALL BE MINIMUM 10" FROM MINIMUM. SEE TYPICAL DETAILS ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
9. CORRIDOR AND TOILET LIGHTING LAYOUT ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FOR EXITS AND SUB-DIVISION OF TENANT SPACE, SEE TENANT ARCHITECTS DRAWINGS
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE SPRAY-ON TYPE FIREPROOFING AROUND COLUMN AND FINISH WITH METAL STUD AND 5/8" GYPSUM WALLBOARD. IN MECHANICAL EQUIPMENT ROOM, GYPSUM WALLBOARD SHALL BE WATER-PROOF TYPE. SEE TYPICAL DETAILS ON DWG # A-E-14-4
12. ALL PARTITIONS SHOWN DASHTORED ARE NOT INCLUDED IN THIS CONTRACT
13. ELEVATION TO TOP OF ALL CONC. CURBS TO BE (10'-8") UNLESS OTHERWISE SHOWN OR NOTED
14. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTER LINES AND FOR NUMBER OF WINDOW SPACES. FOR SIZE OF OPENINGS AND OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.





KEY PLAN

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-23-69

NO.	DATE	BUL. NO.	BY
1	2-28-70	E-83	L.C.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	10-7-71	E-98	L.J.
1		E-97	L.J.
1	10-6-71	E-75	L.J.
1	3-4-71	E-25	L.J.
1	7-29-70	E-16	A.W.
1	5-29-70	E-10	D.G.
1	4-15-70	E-5	D.G.
1	4-15-70	E-5	A.W.
1	4-15-70	E-7	A.W.
1	11-28-69	E-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/16"=1'-0" 0 4' 8' 16' 24'

TITLE: NORTHEAST PLAZA BUILDING
9TH FLOOR PLAN - SOUTH
M.E.R. & OFFICE FLOOR

DRAWN	R.h.	CHECKED	
SCALE	1/16"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-49		

VESEY STREET

NORTH

CHURCH STREET

U.S. CUSTOM HOUSE
N.I.C

NORTHEAST PLAZA BUILDING

TOWER 'A'

PLAZA FINISH
N.I.C

PLANTER #1
N.I.C

PLANTER #2
N.I.C

PLANTER #3
N.I.C

PLANTER #4
N.I.C

PLANTER #5
N.I.C

PLANTER #6
N.I.C

PLANTER #7
N.I.C

PLANTER #8
N.I.C

PLANTER #9
N.I.C

PLANTER #10
N.I.C

PLANTER #11
N.I.C

PLANTER #12
N.I.C

PLANTER #13
N.I.C

PLANTER #14
N.I.C

PLANTER #15
N.I.C

PLANTER #16
N.I.C

PLANTER #17
N.I.C

PLANTER #18
N.I.C

PLANTER #19
N.I.C

PLANTER #20
N.I.C

PLANTER #21
N.I.C

PLANTER #22
N.I.C

PLANTER #23
N.I.C

PLANTER #24
N.I.C

PLANTER #25
N.I.C

PLANTER #26
N.I.C

PLANTER #27
N.I.C

PLANTER #28
N.I.C

PLANTER #29
N.I.C

PLANTER #30
N.I.C

PLANTER #31
N.I.C

PLANTER #32
N.I.C

LIGHT POLE #1
LIGHT POLE #2
LIGHT POLE #3
LIGHT POLE #4
LIGHT POLE #5
LIGHT POLE #6
LIGHT POLE #7
LIGHT POLE #8
LIGHT POLE #9
LIGHT POLE #10
LIGHT POLE #11

PROPERTY LINE

MATCH LINE
FOR CONTINUATION OF PLAN SEE DWG # A2.0

RECEIVED
DEC 28 1990
LESLIE E. [illegible]
AS. SECRETARY
211 EAST 43rd ST., N.Y.C. 10017

CONTRACT BID DRAWING: date 6-15-07

NO.	DATE	SUB. NO.	BY
		5-97	LJ
3	8-28-70	E-10	DG
2	6-15-70	E-7	DG
1	11-12-69	E1	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

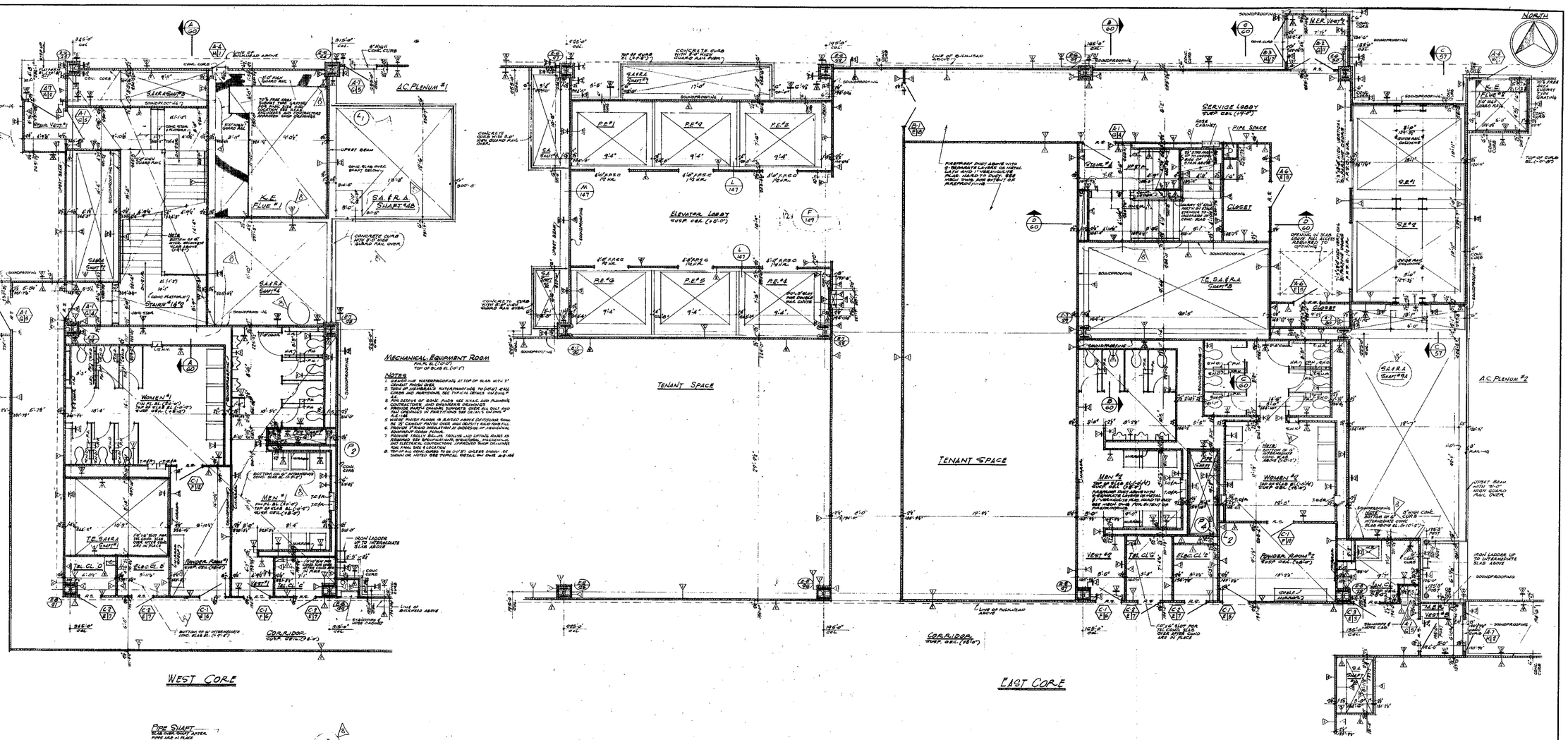
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
DRAINAGE & PLANTER PLAN
NORTH SECTION

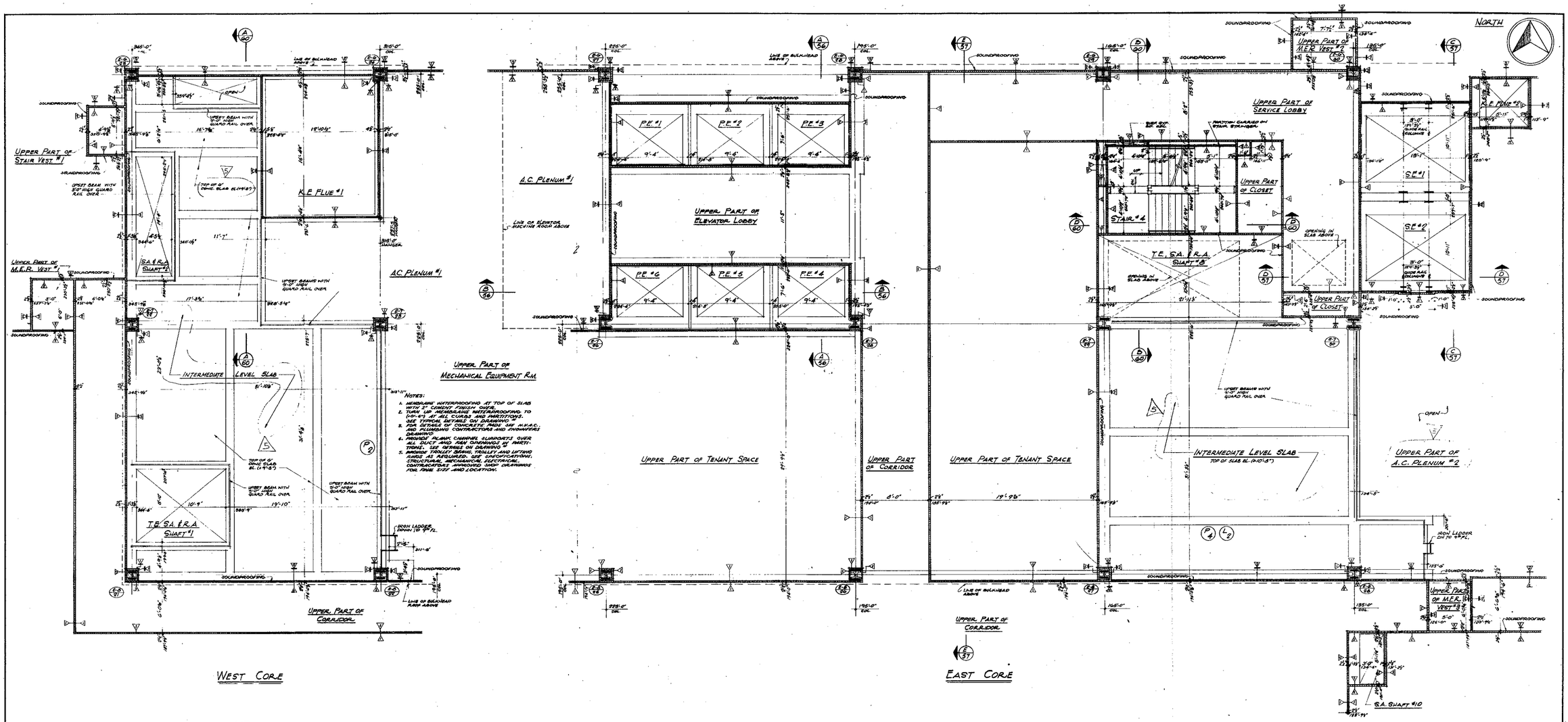
DRAWN | CHECKED
SCALE: 1/16" = 1'-0" | DATE: 7-24-69
CONTRACT NUMBER | SHEET: OF
DRAWING NUMBER: A-E-5

1/16"=1'-0" 0 6" 12" 24" 36" 48"

AE-50


NORTH
MECHANICAL EQUIPMENT ROOM
FLR. EL. (10'-0")
TOP OF SLAB EL. (10'-1")
NOTES
1. USE BITUMINOUS WATERPROOFING AT TOP OF SLAB WITH 3" CEMENT PROTECTIVE COVER.
2. USE CEMENTITIOUS WATERPROOFING TO GRADE AT ALL CURBS AND PARTITIONS. SEE TYPICAL DETAILS ON DRWG "A.E.
3. FOR DESIGN OF CURB PADS, SEE HVAC AND PLUMBING CONTRACTORS' AND ELECTRICAL ENGINEERS' DRAWINGS.
4. FOR LOCATION OF CURBS AND PARTITIONS, SEE PLOT AND PART ORDINATES OF PARTITIONS "SEE DETAIL 5 ON DRWG." A.E.-148
5. WHERE FINISH FLOOR IS RAISED ABOVE ADJACENT FLOOR, SLOPE CONCRETE WITH CURB AND DENSITY AND FINISH ALL AS SHOWN ON DRWG. A.E.-148
6. PROVIDE TROLLEY BEAMS, HOOKS AND LIFTING RINGS AS REQUIRED. SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. APPROVED SHOP DRAWINGS FOR ALL EQUIPMENT.
7. TOP OF ALL CONC. CURBS TO BE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED SEE TYPICAL DETAILS ON DRWG A.E.-148
WEST CORE
EAST CORE
SOUTH CORE
NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND TOPOGRAPHY OF DRAWINGS SEE DRAWING A.E.-1 TO A.E.-8
2- FOR COMPLETE "B" SCALE FLOOR PLANS SEE DRAWINGS A.E.-21 TO A.E.-29
3- ALL ELEVATIONS INDICATED THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS' DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWING A.E.-146
6- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND RESPONSIBILITY. ELECTRICAL AND MECHANICAL APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 9'-2" TO PROVIDE FOR FUTURE CEILING INSTALLATION.
9- CENTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION AT ELEVATOR SHAFTS AND SHALL BE A MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
10- FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE "B" SCALE FLOOR PLANS.
11- FOR SUITE AND SUB-DIVISION OF TENANT SPACE SEE TENANT ARCHITECTS' DRAWINGS.
12- ALL PARTITIONS SHOWN UNNUMBERED ARE NOT INCLUDED IN THIS CONTRACT.
13- ELEVATION TO TOP OF CONC. CURBS TO BE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED
14- FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING "A.E.-116
RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017
1/4"=1'-0"
BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING AUG. 8-25-69
REVISIONS
NO. DATE BUL. NO. BY
2 2-28-72 E-83 L.C.
1 10-7-71 E-45 L.K.
E-87 L.K.
5 8-4-71 E-85 L.K.
4 12-8-71 E-108 L.K.
3 7-24-70 E-16 A.N.
2 5-22-70 E-10 D.G.
1 4-15-70 E-5 D.G.
4-15-70 E-7 D.G.
11-28-69 E-1 D.G.
5-998 H.C.
1-20-72 E-82 L.C.
APPROVED
CHIEF, PLANNING DIVISION
DATE
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS
TITLE
NORTHEAST PLAZA BUILDING
9TH FL CORE PLANS
MECH EQUIP RM & OFFICE FLOOR
DRAWN
CHECKED
SCALE 1/4"=1'-0"
DATE 7/25/69
PROJECT NUMBER
SHEET OF
DRAWING NUMBER
A·E·50

AE-51



NOTES:

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CONCRETE FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO 0'-0" (-) AT ALL CURBS AND PARTITIONS. SEE TYPICAL DETAILS ON DRAWING
3. FOR DETAILS OF CONCRETE PADS SEE M.V.A.C. AND PLUMBING CONTRACTORS AND ENGINEERS DRAWINGS
4. PROVIDE PLANK CHANNEL SUPPORTS OVER ALL DUCT AND PIPE OPENINGS IN SHEETING CONDITIONS. SEE DETAILS ON DRAWING
5. ANCHOR TRACKS, BEAMS, TROLLEY AND LIFTING DEVICES FOR ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL CONTRACTORS APPROVED SHOP DRAWINGS FOR PANEL SIZE AND LOCATION.

NOTES:

1- FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE, AND SYMBOLS SEE DRAWINGS A.E.-1 TO A.E.-4
2- FOR COMPLETE 8" SCALE FLOOR PLANS SEE DRAWINGS A.E.-47 TO A.E.-49
3- ALL ELEVATIONS GIVEN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH 9TH FLOOR.
4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS A.E.-16
6- FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7- CUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER ACTUAL DIMENSION IN SHAFTS, SHAFTS AND SHALL BE MINIMUM 75# FROM HORIZONTAL. SEE TYPICAL DETAILS.
8- ALL PARTITIONS SHOWN UNLIMITED ARE NOT INCLUDED IN THIS CONTRACT.
9- FOR PARTITION, BEAM, AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING A.E.-166.

RECEIVED
DEC 28 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

NO.	DATE	SUBJ. NO.	BY
△			8-27 LW
△	7-24-70	E-16	AN
△	6-15-70	E-5	DG
△	4-16-70	E-7	DG
△	11-24-69	E-1	EC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
9TH FLOOR CORE PLAN
INTERMEDIATE LEVEL

DRAWN		CHECKED	
SCALE	4"-1'-0"	DATE	7-30-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·51		

AE-53

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING A-E-1 TO A-E-3
2. FOR ELEVATORS & SCALE CORE PLANS SEE DRAWING NO A-E-56
3. ALL ELEVATIONS INDICATED THUS (610'0") ARE TAKEN IN RELATION TO PWA DATUM
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL CURTAIN WALL DETAILS SEE DRAWING NO A-E-46
6. PENTHOUSE FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (610'0") UNLESS OTHERWISE SHOWN OR NOTED
7. CAUTION ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15° FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. ALL PARTITIONS SHOWN UNLESS NOTED ARE NOT INCLUDED IN THIS CONTRACT.

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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

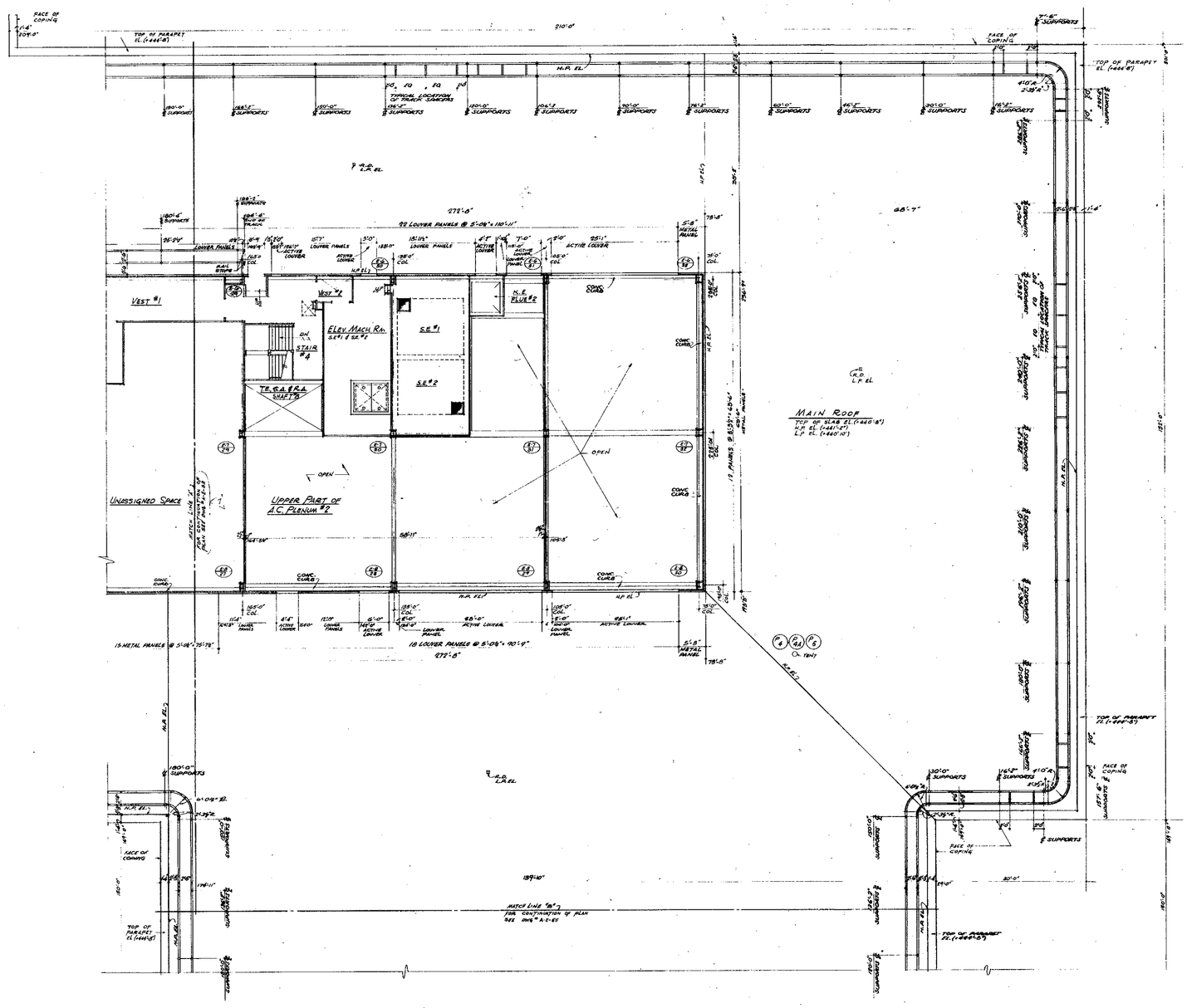
KEY PLAN

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT -BID DRAWING - date 8-25-69

NO.	DATE	BUL. NO.	BY

AE-54.



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, AND SCHEDULE OF DRAWINGS SEE DRAWING # A-2-1 TO A-2-3
2. FOR COMPLETE & SCALE CORE PLAN SEE DRAWING # A-2-55
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-2-116
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTION OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS
8. ALL PARTITIONS SHOWN UNLOCATED ARE NOT INCLUDED IN THIS CONTRACT.

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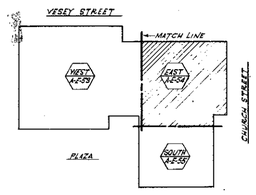
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017



KEY PLAN

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT #3D DRAWING dated 8-25-69

NO.	DATE	BUL. NO.	BY
		1-87	L.W.
5	8-4-71	E-98	L.W.
4	7-24-70	E-16	A.W.
3	6-16-70	E-3	D.G.
2	6-16-70	E-5	D.G.
1	6-15-70	E-7	D.G.
1	11-18-69	E-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 8' 16' 24'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

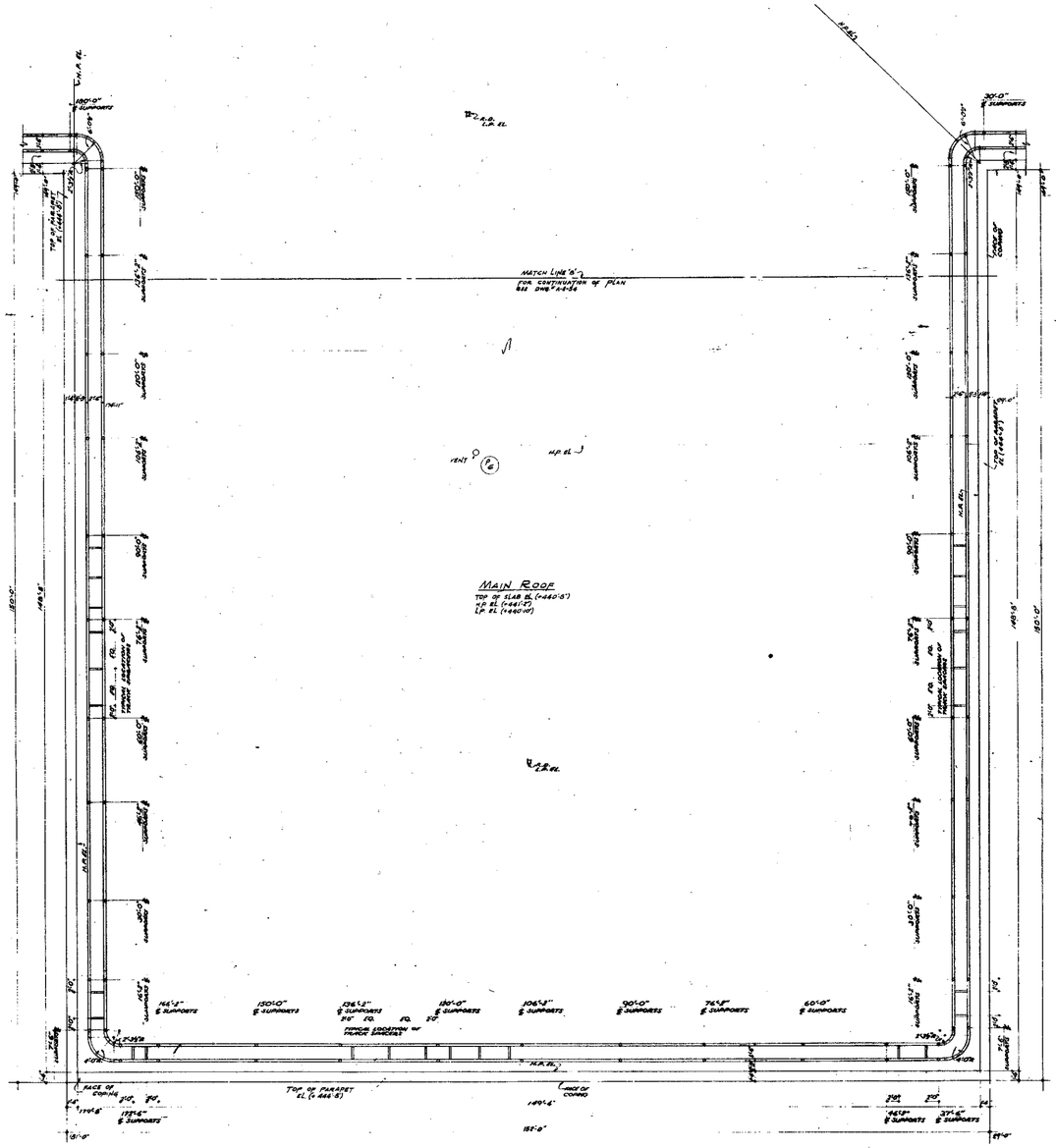
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
MAIN ROOF & BULKHEAD PLAN
EAST SECTION

DRAWN	R.T.H.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-29-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-54		

NORTH



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULES OF DRAWINGS SEE DRAWING # A-2-1 TO A-2-4
2. FOR COMPLETE 1" SCALE CORE PLAN, SEE DRAWING A-1-56
3. ALL ELEVATIONS INDICATED THUS (70'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS # A-2-1 AS
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (1'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. GRAVITE ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE 2" MINIMUM 70° BEAM HORIZONTAL. SEE TYPICAL DETAILS.
8. ALL PARTITIONS SHOWN CHEATCHED ARE NOT INCLUDED IN THIS CONTRACT.

A

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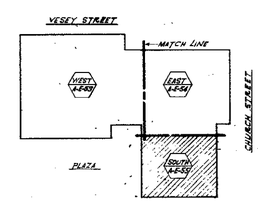
LESLIE E. ROBERTSON
ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017



KEY PLAN

CONTRACT 910 DRAWING 45date 8-25-69

NO.	DATE	SUB. NO.	BY
4	7-14-70	E-6	JM
3	6-16-70	E-3	DG
2	3-20-70	E-5	MM
1	7-25-69	E-1	RC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE
NORTH & WEST PLAZA BUILDING
MAIN ROOF & BUILDING PLAN
SOUTH SECTION

DRAWN	R.T.M.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-55		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE, AND SCHEDULE OF DRAWINGS SEE DRAWING A-0.1 TO A-0.4
2. FOR CONCRETE 16" SCALE FLOOR PLANS SEE DRAWINGS S-E-51 TO S-E-55
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE TAKEN IN RELATION TO TOP OF ROOF SLAB WHICH IS EL (+440'-0")
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWGS S-A-0.148
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS 9" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM 76" FROM HORIZONTAL. SEE TYPICAL DETAILS
8. FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING S-A-0.144.

BULKHEAD CORE PLAN

FOR DETAILS AND ELEVATIONS SEE DRAWING A-A-162.

SECTION A/56

SECTION B/56

SECTION THRU LIFT OUT SLAB C/56
SCALE 1"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. - DRAWING date: 6-25-69

NO.	DATE	BUL. NO.	BY
		8-81	L.W.
2	10-6-71	E-75	L.W.
1	5-26-70	E-10	D.G.
2	4-16-70	8-8	L.W.
2	4-16-70	8-7	L.W.
1	11-25-69	E-1	E.E.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

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PAVING UTILITIES, FOUNDATIONS

TITLE: NORTHEAST PLAZA BUILDING
BULKHEAD CORE PLAN & SECTIONS

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-10-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-56		

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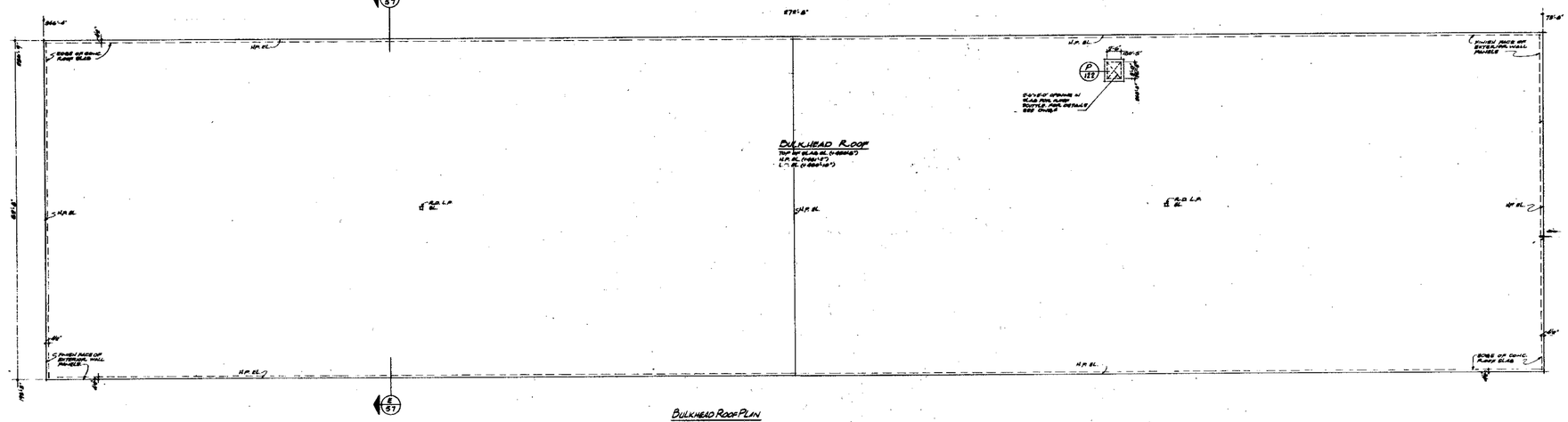
DEC 28 1990
LESLIE ... ASSOCIATION
211 EAST 46th St., N.Y.C. 10017

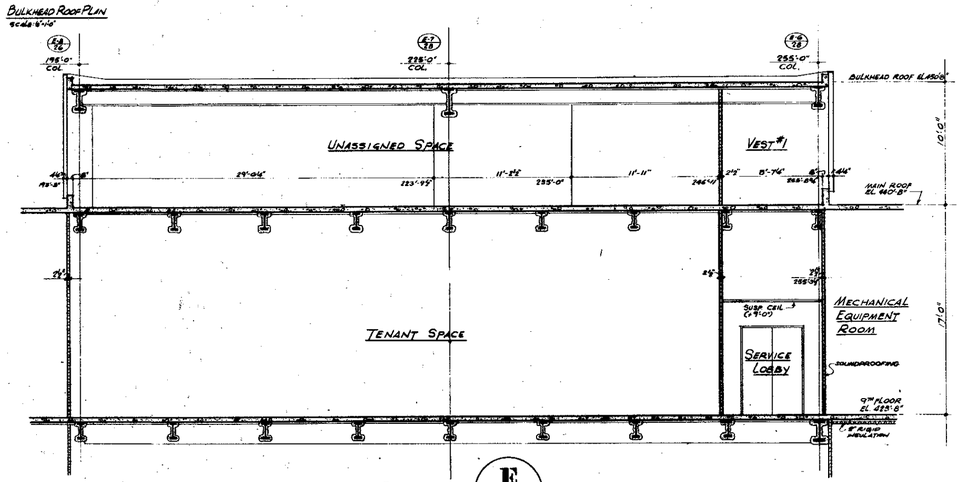
NORTH



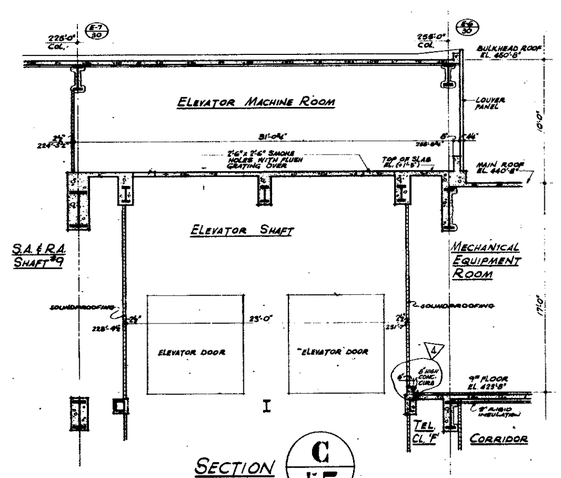
NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, AND SYMBOLS SEE DRAWING # S.E.-1 TO A.E.-6
2. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO TOP OF SLAB.
3. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" ACTUAL DIMENSION IN ELEVATION. SHAFTS ALSO SHALL BE MINIMUM 78" FROM HORIZONTAL. SEE TYPICAL DETAILS.

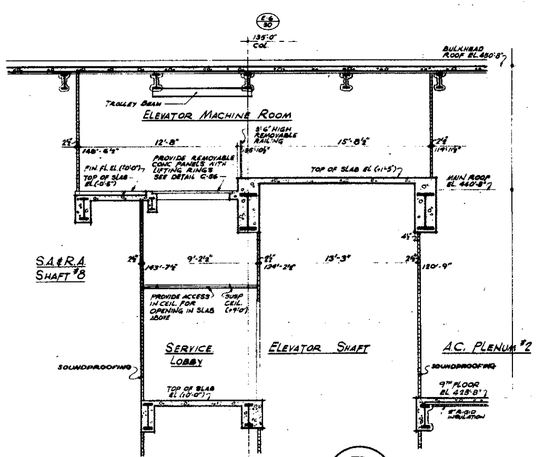
BULKHEAD ROOF PLAN



SECTION E/57



SECTION C/57



SECTION D/57

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DEC 28 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017

CONTRACT "BD" DRAWING date 3-25-69

NO.	DATE	SUB. NO.	BY
4		E-81	L.L.
3	4-15-70	E-8	L.L.
2	4-6-70	E-7	L.L.
1	11-28-69	E-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'
1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: NORTHEAST PLAZA BUILDING
BULKHEAD ROOF PLAN & SECTION

DRAWN	E.P.C.	CHECKED	
SCALE	1/4" 1'0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-57		

NORTH

MATCH LINE
FOR CONTINUATION OF PLAN SEE DWG. A-E-5

TOWER 'A'

STONE STRIP

PLAZA FINISH
N.I.C

LIGHT POLE #6

LIGHT POLE #7

LIGHT POLE #8

LIGHT POLE #4

LIGHT LINE OF HYDRAULIC HOISTWAY IN THE BUILDING CONTRACT
NOTE
ALL HYDRAULIC SHAFT EQUIPMENT AND PIPE LINE IS IN ANOTHER CONTRACT

LINE OF STRUCTURAL GRADE SLAB

RAMP BELOW

PLAZA FINISH
N.I.C

PLANTER #51

PLANTER #52

PLANTER #53

PLANTER #54

SCULPTURE

RAMP DOWN

EXP. JOINT

STONE STRIP

MATCH LINE
FOR CONTINUATION OF PLAN SEE DWG. A-E-5

EXP. JOINT

LIGHT POLE

PLANTER #55

PLANTER #56

PLANTER #57

PLANTER #58

PLANTER #59

PLANTER #60

FLAGPOLE

CHURCH STREET

TOWER 'B'
N.I.C

PLANTER #55
N.I.C

PLANTER #52
N.I.C

SOUTHEAST PLAZA BUILDING
N.I.C

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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

1/16"=1'-0" 0 6' 12' 24' 36' 48'

CONTRACT BID • DRAWING date 8-28-89

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
				2	5-29-90	S-10	DG
				3	7-15-90	S-7	DG
				4	11-08-90	E-1	EC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

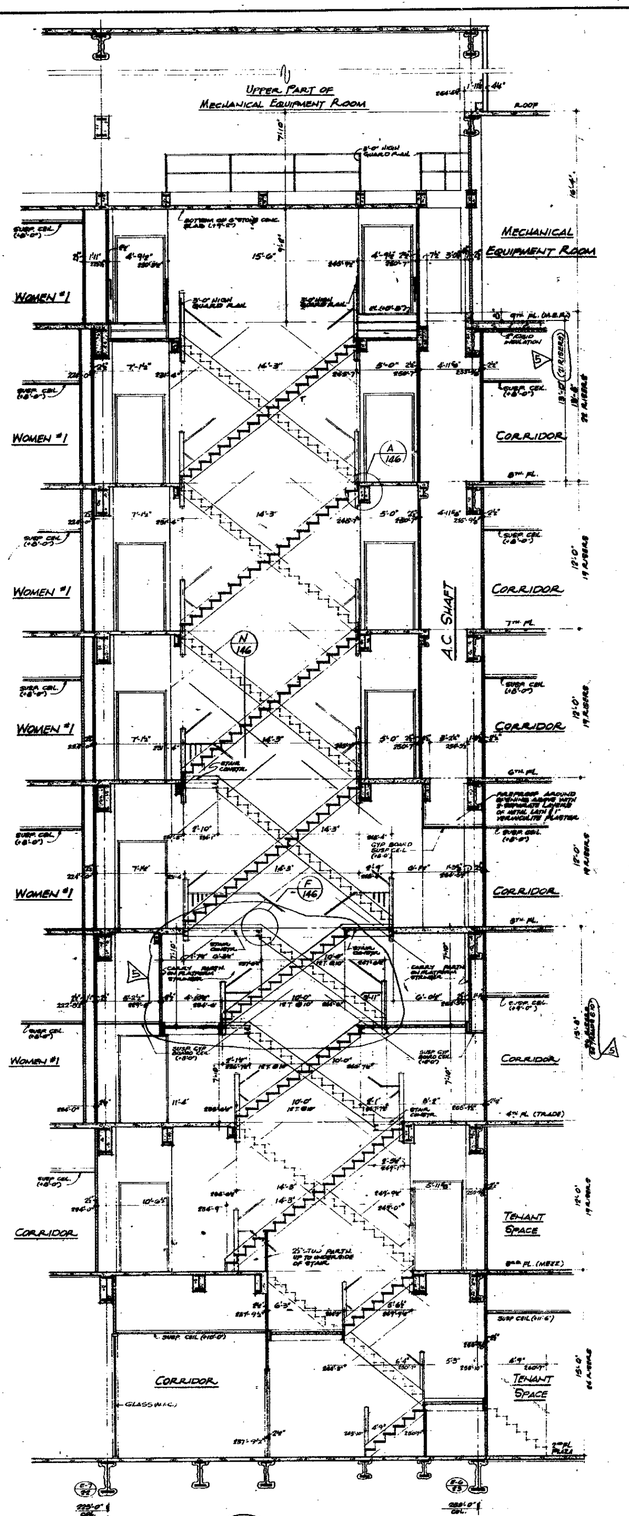
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

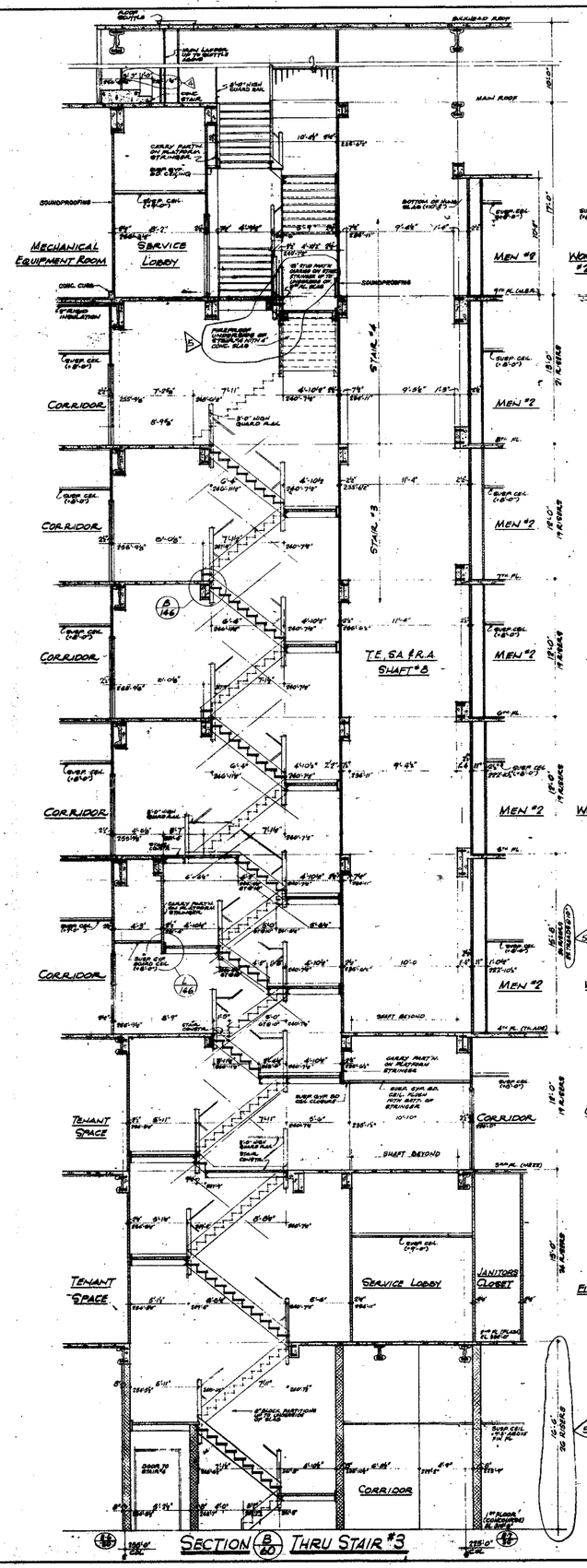
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
DRAINAGE & PLANTER PLAN
SOUTH SECTION

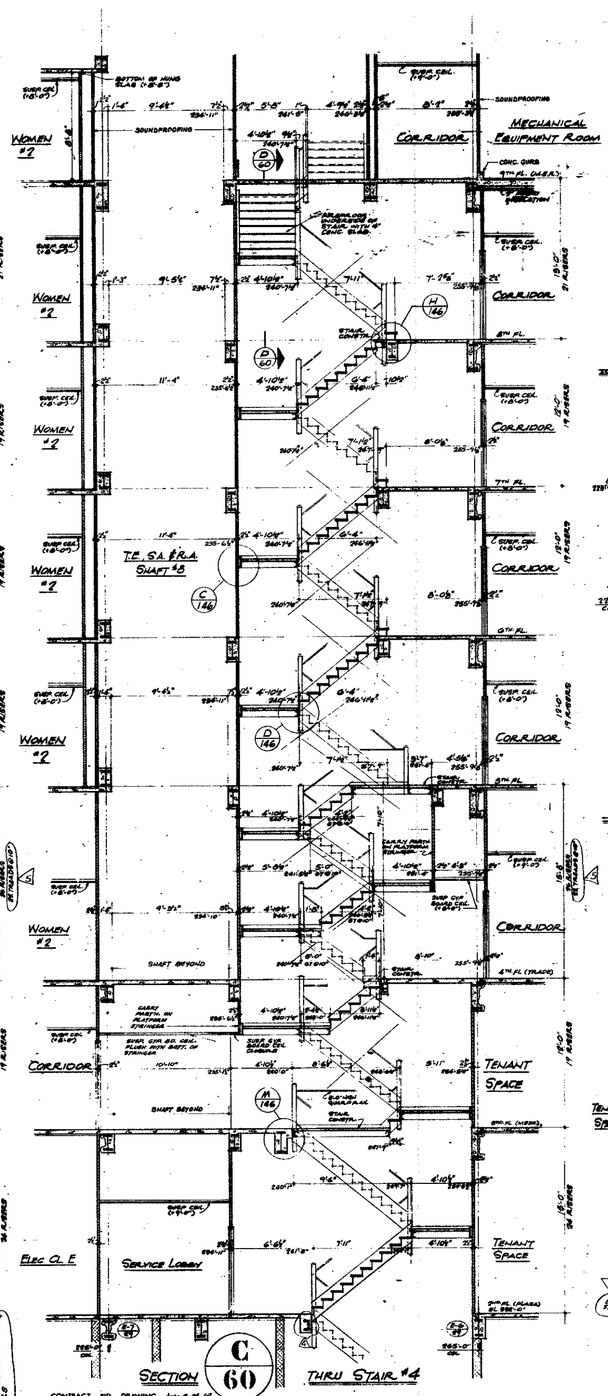
DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-28-89
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-6		



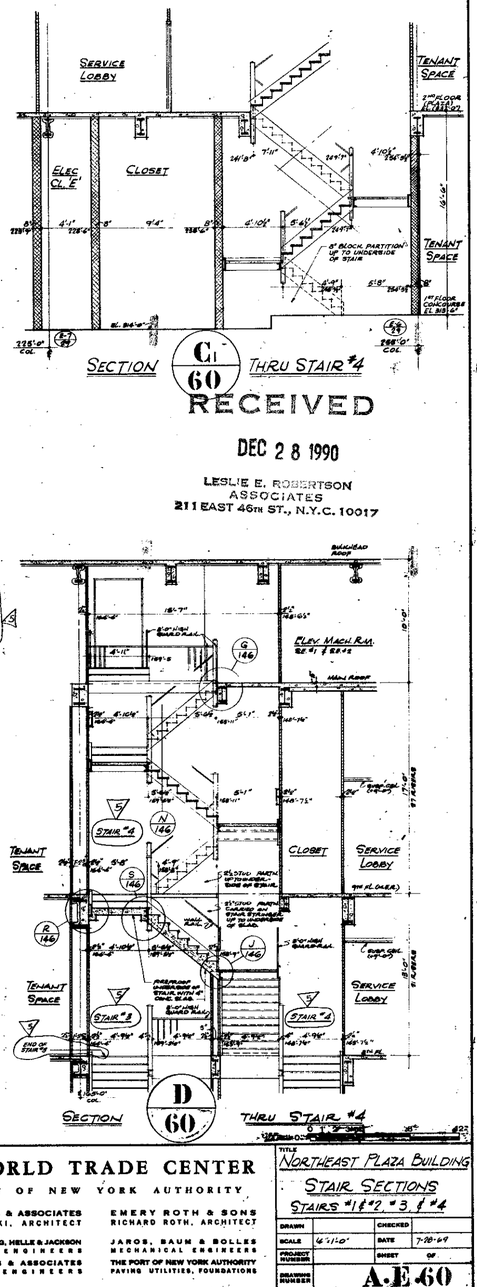
SECTION A/60 THRU STAIRS #1 & #2



SECTION B/60 THRU STAIR #3



SECTION C/60 THRU STAIR #4



SECTION D/60 THRU STAIR #4

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, AND SCHEDULE OF DRAWINGS SEE DRAWING#S1.1 & S1.2.
2. ALL ELEVATIONS INDICATED THUS (120'-0") ARE TAKEN IN RELATION TO FINISH FLOORS.
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S PLANS.
4. FOR TYPICAL STAIR, DETAILS AND SECTIONS SEE DRAWINGS# S1.146
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (120'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT +8'-6" TO PARTITIONS FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT REQUIRED.
7. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT.

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DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT BID DRAWING date 6-25-69

NO.	DATE	SUB. NO.	BY
4	7-24-70	S-16	A.N
3	4-6-70	S-5	L.H.
2	6-18-70	S-7	L.H.
1	11-10-69	S-1	D.G.

REVISIONS

NO.	DATE	SUB. NO.	BY
		S-87	L.H.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

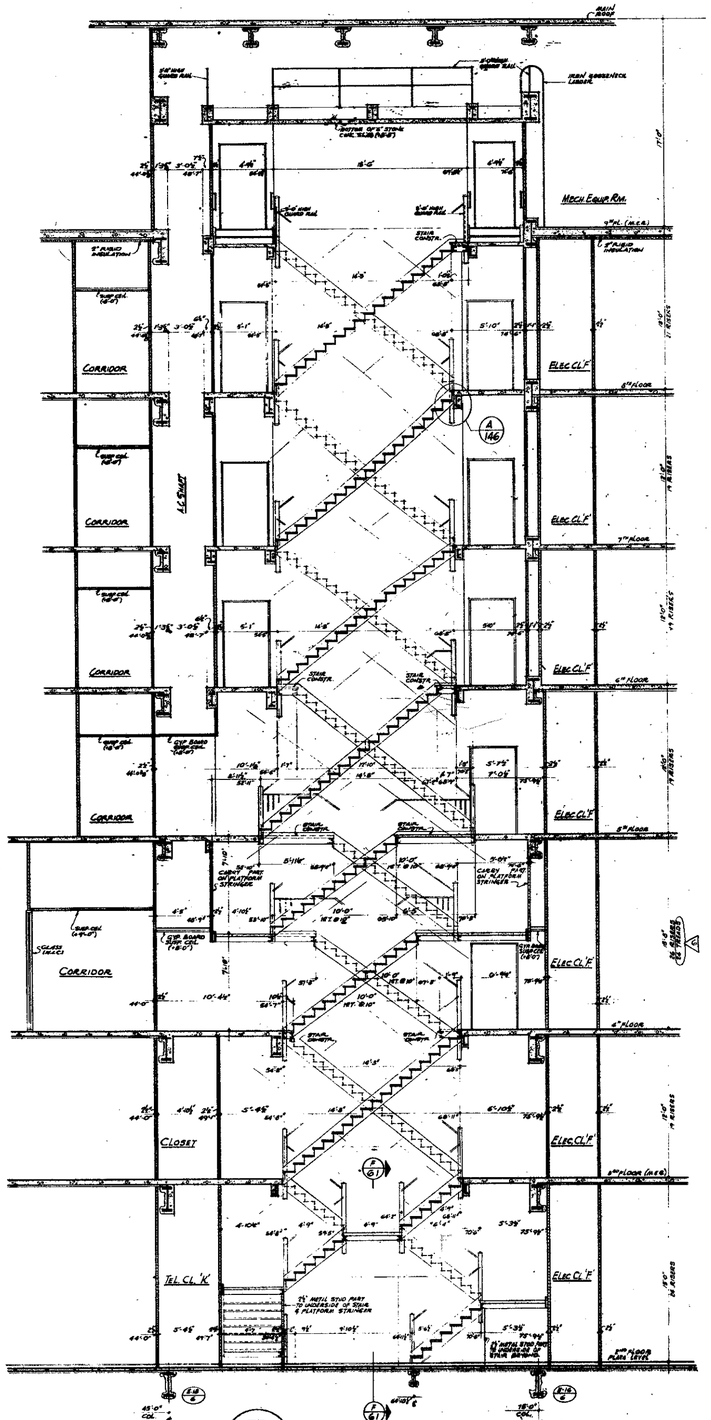
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

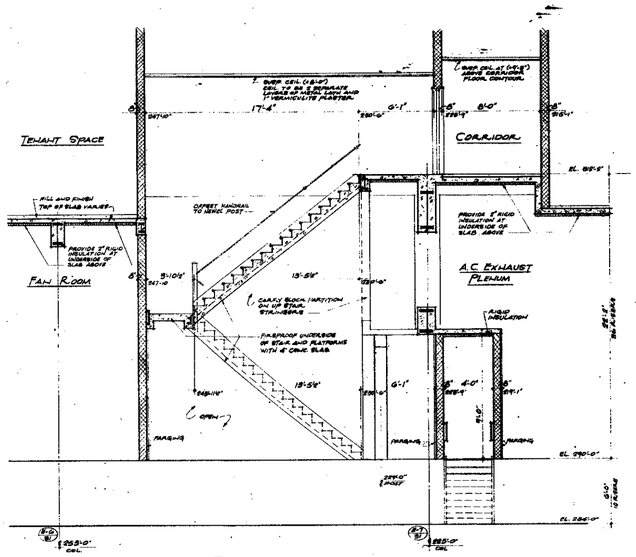
TITLE: NORTHEAST PLAZA BUILDING
STAIR SECTIONS
STAIRS #1 & #2, #3, & #4

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A.E 60	

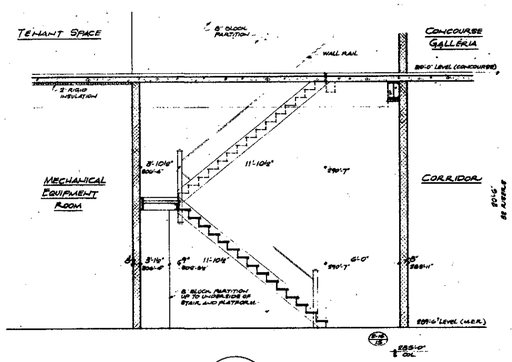
NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING# A.E.1 TO A.E.6
2. ALL ELEVATIONS INDICATED THUS (100'0") ARE TAKEN IN RELATION TO FINISH FLOOR.
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
4. FOR TYPICAL STAIR DETAILS & SECTIONS SEE DWG # A.E.146
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (100'0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF MEC. PIPING AND DUCT WORK, SHALL BE MAINTAINED AT 7'6" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF DOOR HEIGHT DOORS.
7. ALL PARTITIONS SHOWN UNHATCHED ARE NOT INCLUDED IN THIS CONTRACT.



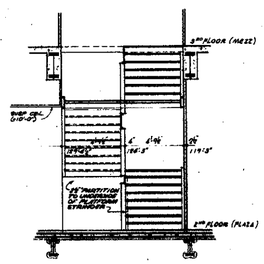
SECTION E/61 THRU STAIRS #5 & 6



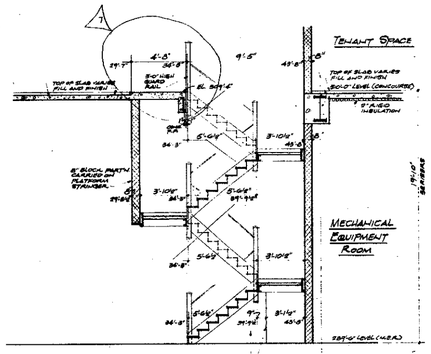
SECTION G/61 THRU STAIR #7



SECTION H/61 THRU STAIR #8



SECTION F/61 THRU STAIRS #5 & 6



SECTION J/61 THRU STAIR #9

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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

1"-1'0" 0 3" 6" 9" 1' 2' 3'
1/4"-1'0" 0 1' 2' 3' 4' 6' 8' 12'

NO.	DATE	SUB. NO.	BY
3	6-11-73	E-105	L.L.
4		E-87	L.L.
5	7-26-73	E-16	A.A.
6	8-28-73	E-17	P.G.
7	6-18-74	E-6	P.G.
8	6-18-74	E-7	L.L.
9	11-29-49	E-1	P.G.

REVISIONS

CONTRACT "BID" DRAWING "A" DATE 6-25-69

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

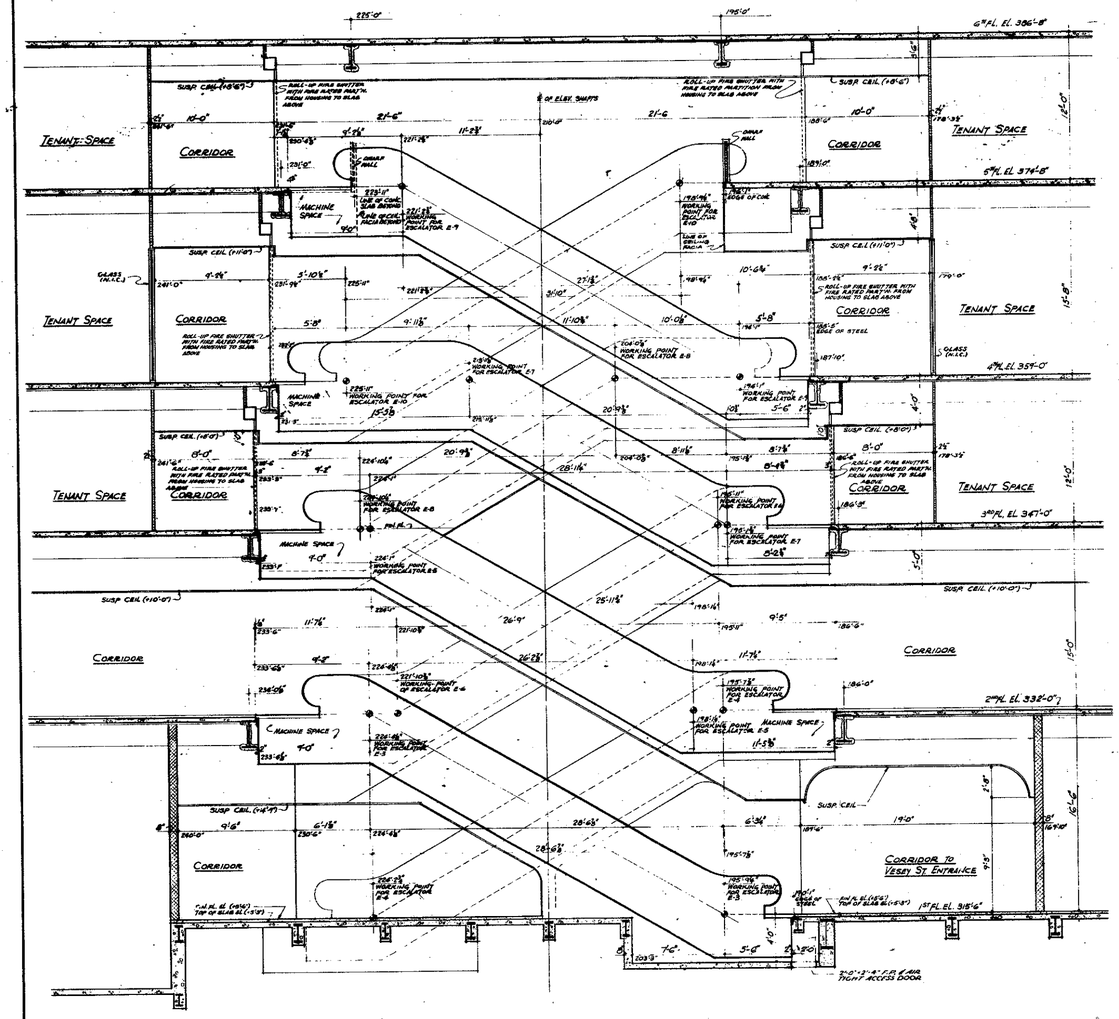
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

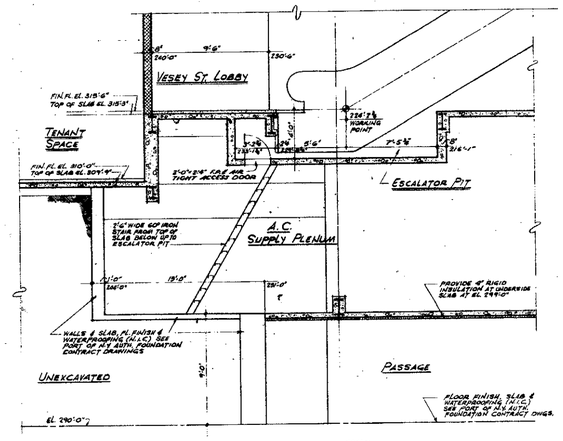
TITLE: NORTHEAST PLAZA BUILDING
STAIR SECTION
STAIRS 5,6,7 & 8 & 9

DRAWN	R.T.N.	CHECKED	
SCALE	1/4"=1'0", 1"=1'0"	DATE	7-25-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A.E.61		

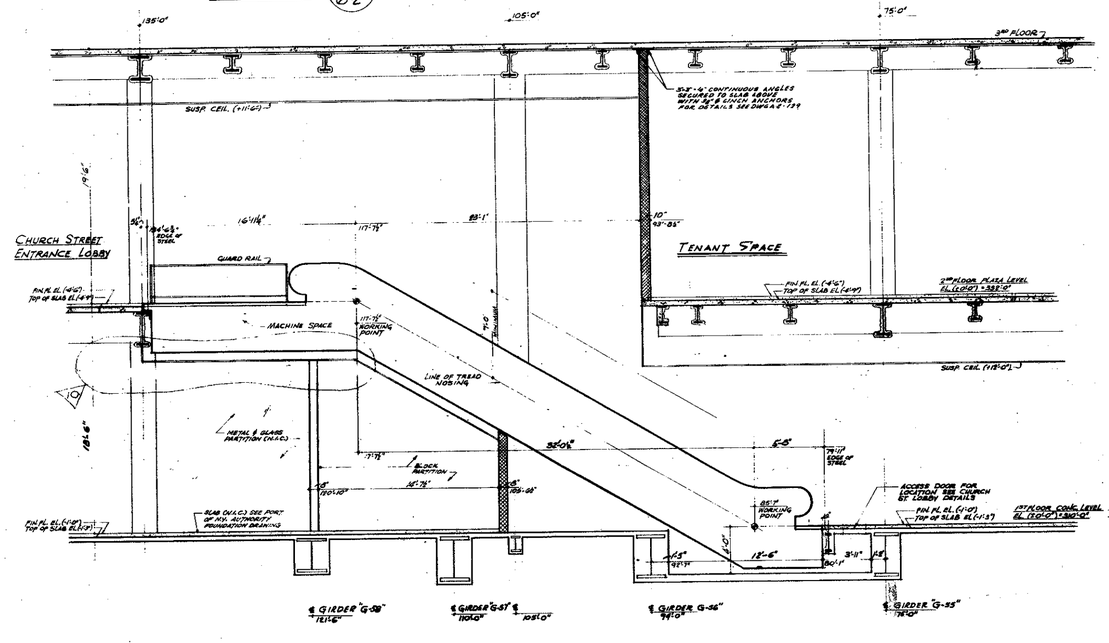


SECTION (B/62) THRU ESCALATORS E-3 THRU E-10

NOTE
FOR ADDITIONAL SECTIONS, ELEVATIONS AND FINISHES SEE DRAWING A.E-180



SECTION (C/62)



SECTION (A/62) THRU ESCALATORS E-1 & E-2

NOTE
1 FOR ADDITIONAL SECTIONS, ELEVATIONS & FINISHES SEE DRAWING A.E-179

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DWGS. A.E-1 TO A.E-4
2. ALL ELEVATION INDICATED THUS (0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
4. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION APPROVAL UNLESS OTHERWISE SHOWN OR NOTED.
5. ALL PARTITIONS SHOWN UNMARKED ARE NOT INCLUDED IN THIS CONTRACT.

RECEIVED
DEC 2 8 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43RD ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT 4ID *DRAWING 1ssue 8-22-69

NO.	DATE	SUB. NO.	BY
		4ID-12	L.B.
1	1-6-70	E-30	L.J.
2	1-20-70	E-146	D.S.
3	1-7-70	E-29	L.J.
4	6-4-70	E-98	L.J.
5	6-19-70	E-10	D.G.
6	6-8-70	E-3	D.G.
7	6-8-70	E-5	L.J.
8	6-15-70	E-6	L.J.
9	11-28-69	E-1	D.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVERS UTILITIES, FOUNDATIONS

TITLE: ESCALATOR SECTIONS ESCALATORS E-1, E-2 E-3 THRU E-10

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-28-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·E·62		

NORTH

MATCH LINE

TOWER 'A'

PLAZA FINISH N.I.C

LIGHT POLE #2

LIGHT POLE #6

LIGHT POLE #7

LIGHT POLE #8

LIGHT POLE #9

STONE STRIP

PLANTER #12

PLANTER #13

PLANTER #14

PLANTER #15

SKYLIGHTS

RAMP DOWN

MATCH LINE

CHURCH STREET

PLANTER #21

PLANTER #22

PLANTER #23

PLANTER #24

PLANTER #25

PLANTER #26

TOWER 'B' N.I.C

PLANTER #16 N.I.C

PLANTER #17 N.I.C

SOUTHEAST PLAZA BUILDING N.I.C

RECEIVED

DEC 2 8 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

FOR DRAINS ONLY

DO NOT PRINT

CONSTRUCTION DWG

NOT FINAL - IN PROCESS OF COMPLETION

1/16" = 1'-0" 0 6' 12' 24' 36' 48'

CONTRACT BID DRAWING date

NO. DATE SUB. NO. BY REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
NORTHEAST PLAZA BUILDING
DRAINAGE & PLANTER PLAN
SOUTH SECTION

DRAWN | CHECKED
SCALE 1/16" = 1'-0" | DATE 9-16-69
PROJECT NUMBER | SHEET OF
DRAWING NUMBER A·E·6

SCHEDULE OF DRAWINGS

ARCHITECTURAL

DWG. No.	TITLE
A-A-1	SCHEDULE OF DRAWINGS - ARCHITECTURAL.
A-A-2	SCHEDULE OF DRAWINGS - STRUCTURAL
A-A-3	SCHEDULE OF DRAWINGS - MECHANICAL TRADES
A-A-4	FINISH SCHEDULE - ZONE - SUB-7
A-A-5	FINISH SCHEDULE - ZONE - I-II-III
A-A-6	DOOR BUCK DETAIL & DOOR SCHEDULES
A-A-7	UNASSIGNED
A-A-8	SUB-LEVEL-No 5 FLOOR PLAN - ELEV. 242 LOWER LEVEL
A-A-9	SUB-LEVEL-No 6 FLOOR PLAN - ELEV. 253 UPPER LEVEL
A-A-10	SUB-LEVEL-No 3 FLOOR PLAN - ELEV. 264'-0"
A-A-11	SUB-LEVELS-No 3-4-5 - CORE PLANS EL. 242-253-264
A-A-12	SUB-LEVEL - No 2 - FLOOR PLAN ELEV. 274'-0"
A-A-13	SUB-LEVEL - No 2 - CORE PLAN ELEV 274'-0"
A-A-14	SUB-LEVEL - No 1 - FLOOR PLAN ELEV 284'-0"
A-A-15	SUB-LEVEL - No 1 - CORE PLAN ELEV 284'-0"
A-A-16	SERVICE LEVEL - FLOOR PLAN ELEV 294'-0"
A-A-17	SERVICE LEVEL - CORE PLAN ELEV. 294'-0"
A-A-18	PLANS & SECTION STAIRS J-4 K-1
A-A-19	FIRST FLOOR PLAN - CONCOURSE LEVEL
A-A-20	FIRST FLOOR CORE PLAN CONCOURSE LEVEL EL.310
A-A-20A	FIRST FLOOR INTERMEDIATE LEVEL PLAN AT ELEV. (319'0")
A-A-21	2ND FLOOR PLAN - PLAZA LEVEL EL.332
A-A-22	2ND FLOOR CORE PLAN - PLAZA LEVEL EL.332
A-A-23	3RD FLOOR PLAN
A-A-24	3RD FLOOR CORE PLAN
A-A-25	4TH FLOOR PLAN
A-A-26	4TH FLOOR CORE PLAN
A-A-27	5TH FLOOR PLAN
A-A-28	5TH FLOOR CORE PLAN
A-A-29	6TH FLOOR PLAN
A-A-30	6TH FLOOR CORE PLAN
A-A-31	7TH FLOOR PLAN LOWER MER
A-A-32	7TH FLOOR CORE PLAN LOWER MER
A-A-33	8TH FLOOR PLAN UPPER MER
A-A-34	8TH FLOOR CORE PLAN UPPER M.E.R.
A-A-35	UNASSIGNED.
A-A-36	UNASSIGNED
A-A-37	9TH TO 16TH FLOOR PLAN
A-A-38	9TH AND 10TH FLOOR CORE PLAN
A-A-39	11TH TO 16TH FLOOR CORE PLAN
A-A-40	17TH AND 18TH FLOOR PLAN
A-A-41	17TH FLOOR CORE PLAN
A-A-42	18TH FLOOR CORE PLAN
A-A-43	19TH TO 23RD FLOOR PLAN
A-A-44	19TH FLOOR CORE PLAN
A-A-45	20TH TO 23RD FLOOR CORE PLAN
A-A-46	24TH FLOOR PLAN
A-A-47	24TH FLOOR CORE PLAN
A-A-48	25TH AND 26TH FLOOR PLAN
A-A-49	25TH FLOOR CORE PLAN
A-A-50	26TH FLOOR CORE PLAN
A-A-51	27TH TO 31ST FLOOR PLAN
A-A-52	27TH TO 31ST FLOOR CORE PLAN
A-A-53	32ND FLOOR PLAN
A-A-54	32ND FLOOR CORE PLAN
A-A-55	33RD AND 34TH FLOOR PLAN.
A-A-56	33RD FLOOR CORE PLAN
A-A-57	34TH FLOOR CORE PLAN
A-A-58	35TH TO 40TH FLOOR PLAN
A-A-59	35TH TO 39TH FLOOR CORE PLAN
A-A-60	40TH FLOOR CORE PLAN
A-A-61	UNASSIGNED
A-A-62	UNASSIGNED
A-A-63	41ST FLOOR PLAN LOWER M.E.R.
A-A-64	41ST FLOOR CORE PLAN LOWER M.E.R.
A-A-65	42ND FLOOR PLAN UPPER M.E.R.
A-A-66	42ND FLOOR CORE PLAN UPPER M.E.R.
A-A-67	STAIR SECTIONS - STAIR #1
A-A-68	STAIR SECTIONS - STAIRS #2 AND #3
A-A-69	ESCALATOR SECTIONS - ESCALATORS A-3, A-4, A5, A6
A-A-70	43RD FLOOR PLAN LOWER ESCALATOR LEVEL
A-A-71	43RD FLOOR CORE PLAN LOWER ESCALATOR LEVEL
A-A-72	44TH FLOOR PLAN - SKYLOBBY
A-A-73	44TH FLOOR CORE PLAN - SKYLOBBY
A-A-74	45TH FLOOR PLAN UPPER ESCALATOR LEVEL
A-A-75	45TH FLOOR CORE PLAN UPPER ESCALATOR LEVEL

ARCHITECTURAL

DWG. No.	TITLE
A-A-76	46TH FLOOR PLAN
A-A-77	46TH FLOOR CORE PLAN
A-A-78	47TH FLOOR PLAN
A-A-79	47TH FLOOR CORE PLAN
A-A-80	48TH FLOOR PLAN
A-A-81	48TH FLOOR CORE PLAN
A-A-82	49TH FLOOR PLAN
A-A-83	49TH FLOOR CORE PLAN
A-A-84	50TH TO 54TH FLOOR PLAN
A-A-85	50TH TO 54TH FLOOR CORE PLAN
A-A-86	55TH AND 56TH FLOOR PLAN
A-A-87	55TH FLOOR CORE PLAN
A-A-88	56TH FLOOR CORE PLAN
A-A-89	57TH AND 58TH FLOOR PLAN
A-A-90	57TH AND 58TH FLOOR CORE PLAN
A-A-91	59TH FLOOR PLAN
A-A-92	59TH FLOOR CORE PLAN
A-A-93	60TH FLOOR PLAN
A-A-94	60TH FLOOR CORE PLAN
A-A-95	61ST FLOOR PLAN
A-A-96	61ST FLOOR CORE PLAN
A-A-97	62ND AND 63RD FLOOR PLAN
A-A-98	62ND FLOOR CORE PLAN
A-A-99	63RD FLOOR CORE PLAN
A-A-100	64TH FLOOR PLAN
A-A-101	64TH FLOOR CORE PLAN
A-A-102	65TH FLOOR PLAN
A-A-103	65TH FLOOR CORE PLAN
A-A-104	66TH FLOOR PLAN
A-A-105	66TH FLOOR CORE PLAN
A-A-106	67TH FLOOR PLAN
A-A-107	67TH FLOOR CORE PLAN
A-A-108	68TH FLOOR PLAN
A-A-109	68TH FLOOR CORE PLAN
A-A-110	69TH FLOOR PLAN
A-A-111	69TH FLOOR CORE PLAN
A-A-112	70TH AND 71ST FLOOR PLAN
A-A-113	70TH AND 71ST FLOOR CORE PLAN
A-A-114	72ND AND 73RD FLOOR PLAN
A-A-115	72ND FLOOR CORE PLAN
A-A-116	73RD FLOOR CORE PLAN
A-A-117	74TH FLOOR PLAN
A-A-118	74TH FLOOR CORE PLAN
A-A-119	UNASSIGNED
A-A-120	UNASSIGNED
A-A-121	75TH FLOOR PLAN LOWER MER
A-A-122	75TH FLOOR CORE PLAN LOWER M.E.R.
A-A-123	76TH FLOOR PLAN UPPER MER
A-A-124	76TH FLOOR CORE PLAN UPPER M.E.R.
A-A-125	STAIR SECTIONS - STAIR #1 & #2
A-A-126	STAIR SECTIONS - STAIR #2 AND #3
A-A-127	ELEVATOR MACHINE ROOM & ESCALATOR SECTIONS
	ELEVATORS NO 69-74 & 49 - ESCALATORS A-7, A-8, A-9 & A-10.
A-A-128	77TH FLOOR PLAN LOWER ESCALATOR LEVEL
A-A-129	77TH FLOOR CORE PLAN LOWER ESCALATOR LEVEL
A-A-130	78TH FLOOR PLAN - SKYLOBBY
A-A-131	78TH FLOOR CORE PLAN - SKYLOBBY
A-A-132	79TH FLOOR PLAN UPPER ESCALATOR LEVEL
A-A-133	79TH FLOOR CORE PLAN UPPER ESCALATOR LEVEL
A-A-134	80TH FLOOR PLAN
A-A-135	80TH FLOOR CORE PLAN
A-A-136	81ST FLOOR PLAN
A-A-137	81ST FLOOR CORE PLAN
A-A-138	82ND FLOOR PLAN
A-A-139	82ND FLOOR CORE PLAN
A-A-140	83RD FLOOR PLAN
A-A-141	83RD FLOOR CORE PLAN
A-A-142	84TH TO 86TH FLOOR PLAN
A-A-143	84TH TO 86TH FLOOR CORE PLAN
A-A-144	87TH AND 88TH FLOOR PLAN
A-A-145	87TH FLOOR CORE PLAN
A-A-146	88TH FLOOR CORE PLAN
A-A-147	89TH TO 93RD FLOOR PLAN
A-A-148	89TH TO 93RD FLOOR CORE PLAN
A-A-149	94TH AND 95TH FLOOR PLAN
A-A-150	94TH FLOOR CORE PLAN

ARCHITECTURAL

DWG. No.	TITLE
A-A-151	95TH FLOOR CORE PLAN
A-A-152	96TH TO 100TH FLOOR PLAN
A-A-153	96TH TO 100TH FLOOR CORE PLAN
A-A-154	101ST AND 102ND FLOOR PLAN
A-A-155	101ST FLOOR CORE PLAN
A-A-156	102ND FLOOR CORE PLAN
A-A-157	103RD FLOOR PLAN
A-A-158	103RD FLOOR CORE PLAN
A-A-159	104TH FLOOR PLAN
A-A-160	104TH FLOOR CORE PLAN
A-A-161	105TH FLOOR PLAN
A-A-162	105TH FLOOR CORE PLAN
A-A-163	106TH FLOOR PLAN
A-A-164	106TH FLOOR CORE PLAN
A-A-165	107TH FLOOR PLAN - RESTAURANT LEVEL
A-A-166	107TH FLOOR CORE PLAN - RESTAURANT LEVEL
A-A-167	UNASSIGNED
A-A-168	UNASSIGNED
A-A-169	108TH FLOOR PLAN - LOWER MER
A-A-170	108TH FLOOR CORE PLAN - LOWER MER
A-A-171	109TH FLOOR PLAN UPPER MER
A-A-172	109TH FLOOR CORE PLAN UPPER MER
A-A-173	110TH FLOOR PLAN
A-A-173A	110TH FLOOR INTERMEDIATE LEVEL PLAN (AT EL.+8'-0")
A-A-174	110TH FLOOR UPPER LEVEL PLAN (AT EL. +14'-0)
A-A-175	110TH FLOOR CORE PLAN
A-A-176	BULKHEAD ROOF AND COPING PLAN
(12) A-A-176A	ROOF ANTENNA PLAN
A-A-177	TOWER SECTION - SECTION 'A'
A-A-178	TOWER SECTION - SECTION 'B'
A-A-179	TOWER SECTION - SECTION 'C'
A-A-180	TOWER SECTION - SECTION 'D'
A-AB-201	CROSS SECTION THRU TOWER
A-AB-202	CROSS SECTION THRU TYPICAL FLOOR
A-AB-203	INTERIOR FINISH DETAILS AT CURTAIN WALL
A-AB-204	TYPICAL STAIR DETAILS
A-AB-205	TYPICAL STAIR DETAILS
A-AB-206	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE I
A-AB-207	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE II
A-AB-208	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE III
A-AB-209	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-210	TYPICAL PART. BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-211	TYPICAL PART. BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-212	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-213	STANDARD PARTITION DETAILS
A-AB-213A	STANDARD PARTITION DETAILS
A-AB-214	TYPICAL TOILET PLANS AND ELEVATIONS
A-AB-215	TYPICAL CORE REFLECTED CEILING PLAN - ZONE I
A-AB-216	TYPICAL CORE REFLECTED CEILING PLAN - ZONE II
A-AB-217	TYPICAL CORE REFLECTED CEILING PLAN - ZONE III
A-AB-218	CEILING DETAILS
A-AB-219	CEILING DETAILS
A-AB-220	TYPICAL LOCAL ELEVATOR LOBBY PLANS & ELEVATIONS
A-AB-221	TYPICAL LOCAL ELEVATOR LOBBY DETAILS
A-AB-222	TYPICAL ELEVATOR CAB PLANS AND ELEVATIONS
A-AB-223	TYPICAL ELEVATOR CAB DETAILS
A-AB-224	FREIGHT ELEVATOR CAB PLANS AND ELEVATIONS
A-AB-225	ELEVATOR ACCESSORY DETAILS

ARCHITECTURAL

DWG. No.	TITLE
A-AB-226	44TH FLOOR SKYLOBBY PLAN
A-AB-227	78TH FLOOR SKYLOBBY PLAN
A-AB-228	44TH FLOOR SKYLOBBY ELEVATIONS
A-AB-229	78TH FLOOR SKYLOBBY ELEVATIONS
A-AB-230	44TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-231	78TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-232	SKYLOBBY-MAIN CORRIDOR CEILING DETAILS
A-AB-233	SKYLOBBY-MAIN CORRIDOR DETAILS
A-AB-234	SKYLOBBY-CROSS CORRIDOR, VESTIBULE & ELEVATOR LOBBY DET.
A-AB-235	SKYLOBBY - ESCALATOR DETAILS
A-AB-236	UNASSIGNED
A-AB-237	UNASSIGNED
A-AB-238	MISCELLANEOUS INTERIOR DETAILS
A-AB-239	BUILDING STANDARD DOOR KNOB DETAILS
A-AB-240	ELEVATOR SHAFT DOOR FRAME DETAILS
A-AB-241	UNASSIGNED
A-AB-242	UNASSIGNED
A-AB-243	UNASSIGNED
A-AB-244	UNASSIGNED
A-AB-245	UNASSIGNED
A-AB-246	UNASSIGNED
A-AB-247	UNASSIGNED
A-AB-248	UNASSIGNED
A-AB-249	UNASSIGNED
A-A-250	MAIN LOBBY, CONCOURSE FLOOR PLAN
A-AB-251	MAIN LOBBY, CONCOURSE CORE PLAN
A-AB-252	MAIN LOBBY, PLAZA FLOOR PLAN
A-A-253	MAIN LOBBY, ELEVATIONS A AND B
A-A-254	MAIN LOBBY, ELEVATIONS C AND D
A-AB-255	MAIN LOBBY, ELEVATIONS E AND F
A-AB-256	MAIN LOBBY, ELEVATIONS G AND H
A-AB-257	MAIN LOBBY, CONCOURSE REFLECTED CEILING PLAN AND DETAILS
A-AB-258	MAIN LOBBY, PLAZA REFLECTED CEILING PLAN
A-AB-259	MAIN LOBBY, PLAZA CEILING DETAILS
A-AB-260	UNASSIGNED
A-AB-261	MAIN LOBBY, ELEVATIONS OF ELEVATOR LOBBIES AT CONCOURSE
A-AB-262	MAIN LOBBY, MAIN CORRIDOR DETAILS
A-AB-263	MAIN LOBBY, LOCAL ELEVATOR LOBBY DETAILS
A-AB-264	MAIN LOBBY, ESCALATOR DETAILS
A-AB-265	MAIN LOBBY, CORE WALLS SECTIONS AND DETAILS
A-AB-266	MAIN LOBBY, CORE WALL PLAN DETAILS
A-AB-267	MAIN LOBBY, EXTERIOR CORNER DETAILS
A-AB-268	MAIN LOBBY SIGN DETAILS AND DECORATIVE PANEL DETAILS
A-AB-269	ELEVATOR LOBBIES K-3, 4, 5 - J-1, 2, 3 & P-1
A-AB-270	MISCELLANEOUS LOBBY DETAILS
A-AB-271	CATWALK FRAMING BELOW 7TH FLOOR
A-AB-272	CATWALK FRAMING HANGER SUPPORT
A-AB-273	UNASSIGNED
A-AB-274	UNASSIGNED
A-AB-275	UNASSIGNED

ARCHITECTURAL

DWG. No.	TITLE
A-AB-301	NORTH AND SOUTH ELEVATIONS
A-AB-302	EAST AND WEST ELEVATIONS
A-AB-303	TYPICAL FACADE ELEVATION
A-AB-304	FACADE ELEVATIONS, SECTIONS & DETAILS AT TYPICAL FL.
A-AB-305	NORTH AND EAST BASE ELEVATIONS
A-AB-306	WEST AND SOUTH BASE ELEVATIONS
A-AB-307	COLUMN COVER CONTOURS AT BASE
A-AB-308	FACADE ELEVATIONS AND SECTIONS AT BASE
A-AB-309	FACADE DETAILS AT BASE
A-AB-310	FACADE ENTRANCE DETAILS
A-AB-311	CORNER ELEVATIONS AND PLANS AT BASE
A-AB-312	CORNER DETAILS OF TYPICAL FLOOR
A-AB-313	FACADE ELEVATIONS AND SECTIONS AT 7TH FLOOR M.E.R.
A-AB-314	DETAILS OF FACADE AND LOUVERS AT 7TH FLOOR M.E.R.
A-AB-315	FACADE ELEVATIONS AND SECTIONS AT 41ST & 75TH FL. M.E.R.
A-AB-316	DETAILS OF FACADE AND LOUVERS AT 41ST & 75TH FL. M.E.R.
A-AB-317	MISCELLANEOUS MECHANICAL LEVEL DETAILS
A-AB-318	ELEVATIONS AND SECTIONS AT CROWN
A-AB-319	CROWN DETAILS
A-A-320	CROWN DETAILS
A-AB-321	CORNER ELEVATIONS AND PLANS OF TYP. FL. AND CROWN
A-AB-322	CORNER DETAILS OF 7TH - 41ST AND 75TH FLOOR M.E.R'S
A-AB-323	CORNER DETAILS AT CROWN
A-AB-324	ELEVATIONS AND DETAILS OF WINDOW WASHER STORAGE AREA
A-A-325	DETAILS OF ANTENNA BASE AT ROOF
TLL 284	TENANT FACILITIES SUB LEVEL #1 FLOOR PLAN EL. 284'-0"
TLL 284A	TENANT TOILET FACILITIES FLOOR PLANS & FINISH SCHEDULE SUB LEVEL #1, EL. 284'-0"
TAA 110	110TH FLOOR PLAN - T.V. BROADCASTERS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING

NO.	DATE	BUL. NO.	BY
12	12-9-74	A-405	J.H.
11	10-24-72	[illegible]	A.C.
10	6-1-72	A-242	L.C.
9	1-24-71	[illegible]	A.C.
8	10-11-71	[illegible]	W.M.
7	6-18-71	A-147	D.G.
6	1-4-71	A-115	[illegible]
5	6-22-70	A-15	A.W.
4	4-30-70	A-99	L.J.
3	1-30-70	A-47	L.J.
2	2-25-69	A-23	[illegible]
1	8-18-68		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

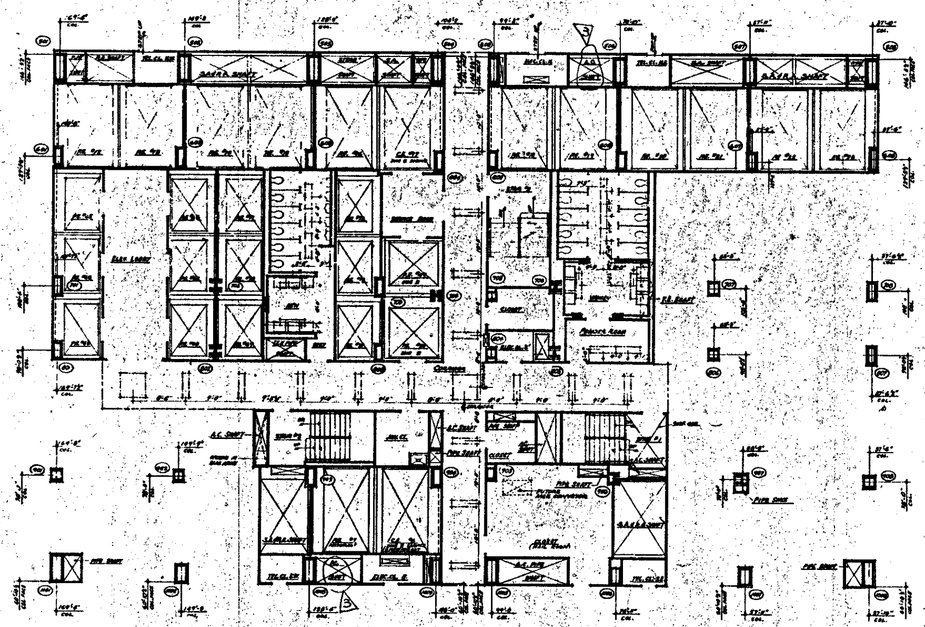
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS — ARCHITECTURAL

DRAWN: | CHECKED:
SCALE: NONE | DATE: 7-31-67
PROJECT NUMBER: | SHEET: OF
DRAWING NUMBER: A-A-1





NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES SEE DRAWINGS A-1-1 TO A-2-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-A-101.
3. ALL ELEVATIONS SHOWN THUS 15'-0"(+) ARE IN RELATION TO PROJECT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TROWEL HEADERS TO BE RECESSED 1/4" DIAGONALLY AT SLAB FOR A WIDTH OF 2'-0" WITH A DIAGONAL TYPE PATTERNING. SEE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SLAB DRAWINGS FOR LOCATION AND EXTENT OF TROWEL HEADERS AND PATTERNING.
6. CORRIDOR AND TOILET LIGHTING LAYOUT AT SLAB, SEE ALL OTHER LIGHTING LAYOUTS SEE ELECTRICAL DRAWINGS A-E-1 TO A-E-4 SEE ELECTRICAL DRAWINGS AND NON-STRUCTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS, SEE A-19-1 AND A-19-2 UNLESS OTHERWISE SHOWN AS NOTED.
8. AREAS TO HAVE PUBLIC CEILINGS SEE REFLECTED CEILING PLANS A-14-1 TO A-14-4, 4"=1'-0" SCALE, ALSO SEE ELEVATION OF ALL FURRING AND DETAILS AND SECTIONS AS INDICATED AT 1 1/2"=1'-0" SCALE.
9. EXTENT OF PUBLIC CEILINGS SHOWN IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PHASE OF COMPLETION CONTRACT NO. DRAWING date 4-1-66

REVISIONS				REVISIONS			
NO.	DATE	DRWG. NO.	BY	NO.	DATE	DRWG. NO.	BY
				6	6-15-67	A-16A	DBL
				5	1-30-67	A-22	AB
				4	5-15-66	A-17	DG

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

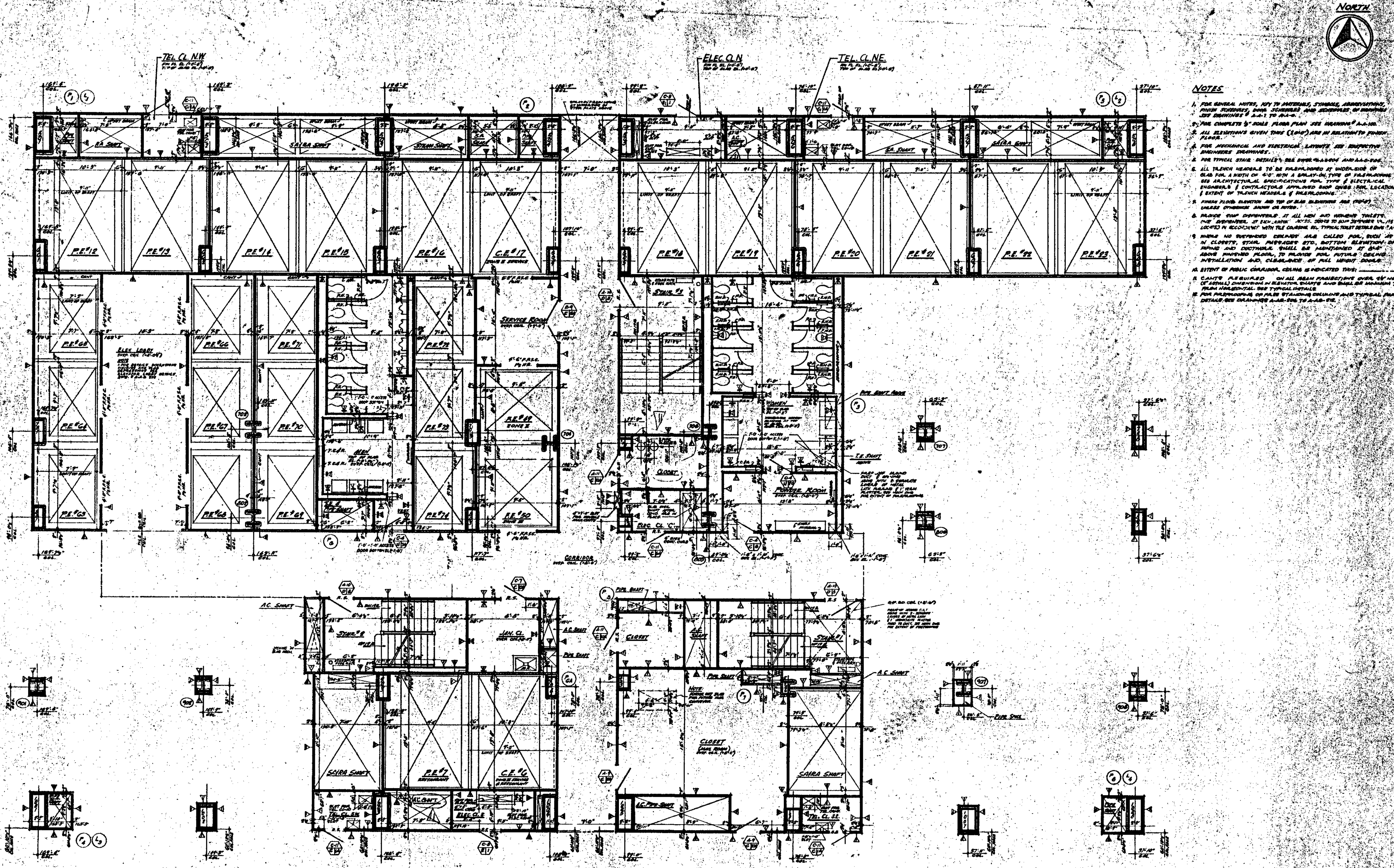
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 64TH FLOOR PLAN

DESIGNED		DRAWN	
SCALE	1/8"=1'-0"	DATE	11-21-67
APPROVED		CHECKED	
APPROVED		DATE	

A-A-100



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-9.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-100.
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-604 AND A-A-605.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER 14"/15" TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG. # A-AB-614.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: ———— - ————
11. CANTS REQUIRED ON ALL BEAM PROJECTIONS OVER 4½" NOMINAL (5" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-9-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				△	5-15-70	A-75	A.W.
				△	1-8-70	A-51	A.B.
				△	1-30-70	A-53	L.U.
				△	1-30-70	A-47	L.U.
				△	5-23-69	A-31	D.G.
				△	6-25-69	A-26	D.G.
				△	6-26-69	A-17	D.G.
				△	6-25-67	A-53	D.G.
				△	8-1-68	A-10	D.G.
△	9-18-71	A 166	O.B.L.	△	4-22-68	A-8	D.G.
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

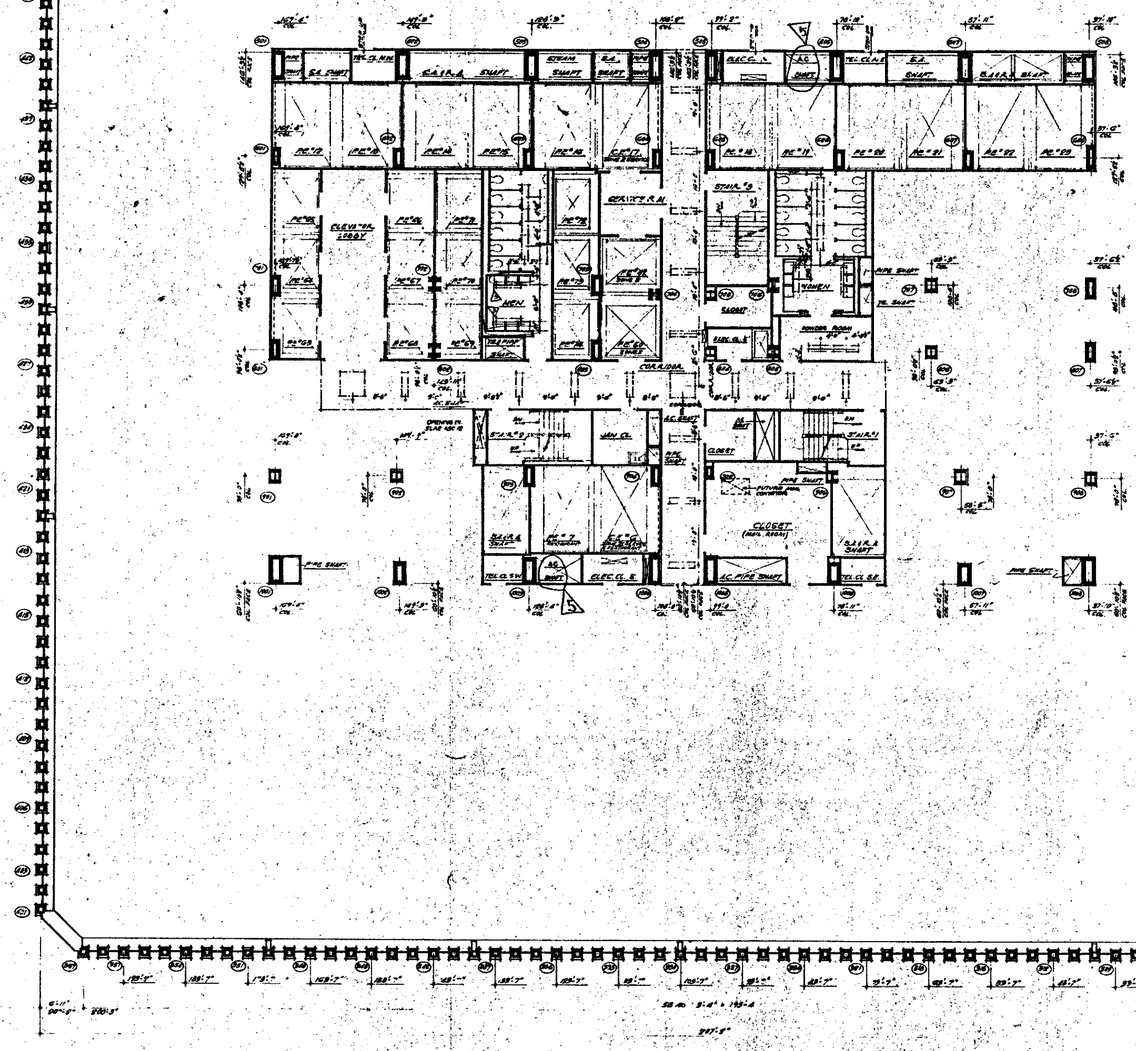
THE PORT OF NEW YORK AUTHORITY

¼" = 1'-0" scale feet

TITLE: 64th FLOOR CORE "Z"

DRAWN: | CHECKED:
SCALE: [illegible] | DATE: [illegible]
PROJECT NUMBER: | SHEET OF

DRAWING NUMBER: A·A 101



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF MARKINGS SEE DRAWING "AAA TO AAA."
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1" SCALE CORE DRAWING # A-A-105.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE AS IN RELATION TO PORT N. DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. ALL TRENCH HEADERS TO BE PROPERLY COVERED BY CONCRETE FOR A WIDTH OF 4'-0" WITH A SPRAY APPLIED FIREPROOFING TO BE APPLIED IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS FOR TYPE AND USE. ALL ELECTRICAL ENGINEERS AND CONTRACTORS ARE TO BE ADVISED OF THIS REQUIREMENT AND EXTENT OF TRENCH HEADERS SHALL BE CLEARLY DETAILED.
6. CORE, WALL AND TRUCK OPENINGS ARE SHOWN ON ALL FLOOR PLANS. FOR LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL REFLECTED CEILING PLANS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (73'-0") UNLESS OTHERWISE NOTED ON A-A-103.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOWN IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL FINISHED AND EXPOSED CEILINGS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CONCOURSE, DESIGN IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING dated 4-1-68

NO.	DATE	DESCRIPTION	BY
1	6-8-71	A-A-102	GBJ
2	1-30-70	A-B4	AS
3	1-30-70	A-A5	LS
4	5-25-69	A-17	[illegible]
5	5-25-69	A-15	[illegible]

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 019,779

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

65TH FLOOR PLAN

SCALE 1/16" = 1'-0"

DATE [illegible]

DRAWN [illegible]

CHECKED [illegible]

DATE [illegible]

SUBMITTED [illegible]

DATE [illegible]

APPROVED [illegible]

DATE [illegible]

A-A-102

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE '6' SCALE FLOOR PLAN SEE DRAWING A-2.109.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE SHEET A-2.6-204 AND A-2.6-205.
6. ALL TRENCH HEIGHTS TO BE DETERMINED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH 6" CONCRETE ENCASEMENT. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL ENGINEER'S & CONTRACTORS APPROVED SHOP SHEET FOR LOCATION (EXTENT OF TRENCH NEGATIVE) INFORMATION.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SHOP DRAWINGS IN MEN AND WOMEN'S TOILETS: ONE DRAWINGS AT EACH LAVATORY ACCESS DOOR TO SHOW DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COVERING. SEE TYPICAL TOILET DETAILS SHEET A-2.45 ON.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS STAIR, PASSAGES ETC, BOTTOM ELEVATION OF AIR DUCTS AND BEAMS SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____
11. GRADES AND ALIGNMENT OF ALL SMOKE PROJECTION DUCTS, 24" MANUAL (2" ACTUAL) CONCRETE WALL W/ ELEVATOR SHAFTS AND SHALL BE MAINTAINED 70'-0" FROM HORIZONTAL DUCT TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.B-2.05 TO A-A.B-2.12.

BULLETINS NOT DATED ARE IN THE ARCHIVES OF CONSTRUCTION.

CONTRACT	BID	DRAWING	date	6-1-68
		1-30-70	A-54	AB
		1-30-70	A-55	E.M.
		1-30-70	A-67	E.C.
		5-25-71	A-51	[illegible]
		5-25-71	A-26	[illegible]
		5-25-71	A-17	[illegible]
		5-25-71	A-25	[illegible]
6-18-71	A-66-4	GBL	8-1-68	A-10	DHS
5-13-70	A-75	A.H.	6-15-68	A-5	DHS
1-30-70	A-91	A-5	6-15-68	A-2	DHS

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

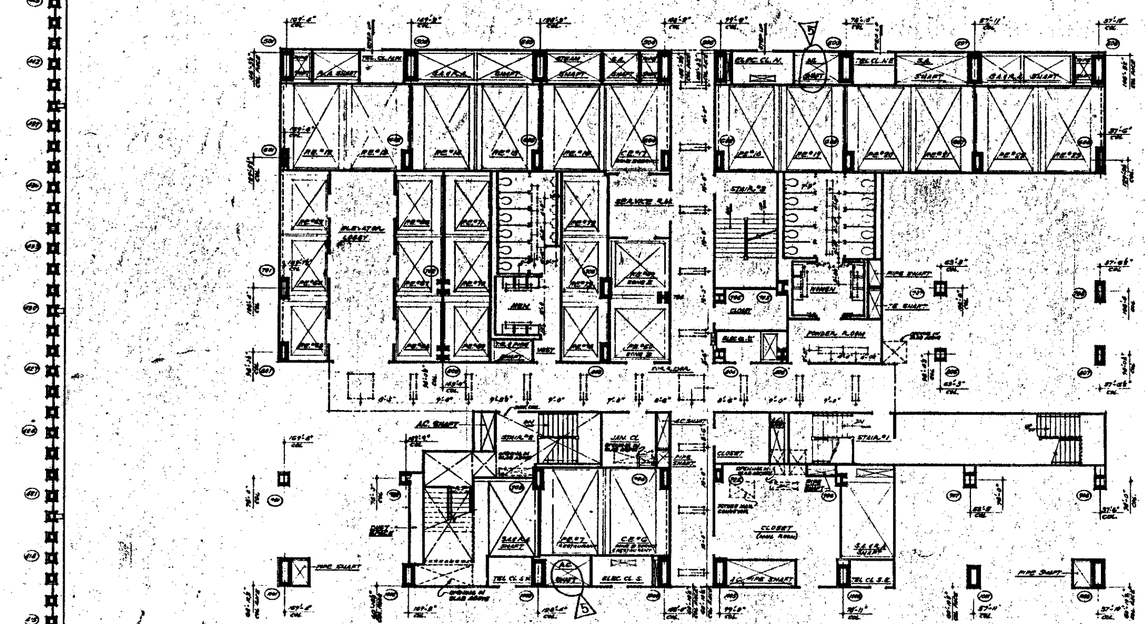
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORINO & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 65TH FLOOR CORE PLAN

1/8" = 1'-0"

DRAWN | CHECKED
SCALE: 1/8" = 1'-0" | DATE: 7-31-67
PROJECT NUMBER | SHEET NO.
DRAWING NUMBER: A-A 103



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES SEE DRAWINGS "A-A-1 TO A-A-5
2. FOR COMPLETE FUNCTIONS AND NOTES ON CORE PLAN SEE 1/8" SCALE CORE DRAWING "A-A-105"
3. ALL ELEVATIONS GIVEN THUS (99'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ASSOCIATE ENGINEERS' DRAWINGS
5. ALL PARTITION HEIGHTS TO BE FOR FURRING HEIGHTS OR UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A CEILING BY OTHER TRADES. FURRING SEE ARCHITECTURAL SECTION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS DRAWINGS SHOWING THE LOCATION AND EXTENT OF FURRING REQUIRED FOR EXPLOSIVES.
6. CEILINGS AND CONTRACT LIMITS AS SHOWN FOR ALL OTHER TRADES, LIMITING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. INVERT LEVELS, ELEVATIONS AND TOP SLAB ELEVATIONS ARE TO FT. UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, BACK OF FT. CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRING AND CONSTRUCTION SHALL BE SUFFICIENT TO CLEAR ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EVENT OF PUBLIC CHANGES CEILING IS REQUIRED THEN _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE: 7-1-68

NO.	DATE	SUBJECT	BY
1	6-8-71	A-104	GBL
2	5-13-71	A-74	AH
3	1-20-71	A-69	RC
4	1-30-71	A-69	RC
5	12-21-71	A-17	RC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT MINORU YAMASAKI NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH C. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PLANNING, DEVELOPMENT, CONSTRUCTION

66TH FLOOR PLAN

SCALE: 1/8" = 1'-0" DATE: 7-1-68
DRAWN: CHECKED: DATE:

A-A-104

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN, SEE DRAWING A-A-101
3. ALL ELEVATIONS GIVEN THUS (234.5) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-A-6-204 AND A-A-6-206.
6. ALL TRENCH HEADERS TO BE PREPREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF PREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & PREPROOFING.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (234.5) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER SHALL TO BE LOCATED IN ACCORDANCE WITH TILE CONTRACT. SEE TYPICAL TOILET DETAILS DWG # A-AB-206
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, DUCTS, ETC., BOTTOM ELEVATION OF ALL FINISHED AND BUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CENTER REQUIRED ON ALL DRAIN PROJECTIONS OVER 6¾" NOMINAL ("E" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'0" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR PREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-208.

COLUMN DETAIL

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	DATE 3-7-68
	1-30-70	A-B4 B.C.
	1-30-70	A-B5 L.L.
	1-30-70	A-17 L.L.
	5-25-66	A-14 D.I.
	5-25-66	A-16 D.I.
6-18-71 1-164	5-25-66	A-17 D.I.
4-1-71 4-188	5-25-66	A-15 D.I.
5-12-76 A-78	8-1-66	A-10 P.G.
5-12-76 A-78	6-10-66	A-5 P.G.
1-30-70 A-81	6-1-66	A-3 P.G.

REVISIONS — DATE | BULL. NO. | BY

REVISIONS — DATE | BULL. NO. | BY

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 17

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

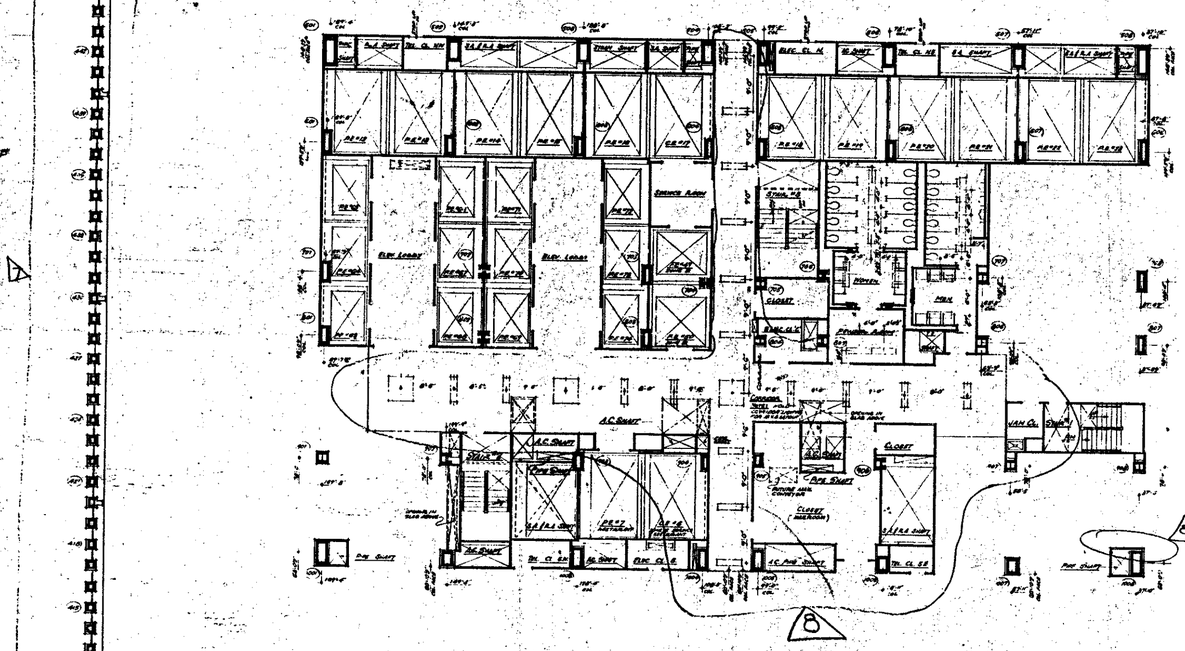
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PLUMBING, UTILITIES, FOUNDATIONS

TITLE: 66TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0" — DATE: 3-7-68

DRAWING NO. A-A-105



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, ETC., SEE DRAWING A-1.1 "GENERAL NOTES & SCHEDULES"
2. FOR COMPLETE DIMENSIONS, LAYOUT OF CEILING GRIDS SEE RCP, REFLECTED CEILING PLANS SET
3. ALL ELEVATIONS GIVEN ARE (UNLESS NOTED) AS IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL / ELECTRICAL LEGENDS SEE ACCOMPANYING ENGINEERS DRAWINGS
5. ALL PUBLIC HEIGHTS TO BE MEASURED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A CLEAR HEIGHT OF 6'-8" UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL SPECIFICATIONS FOR MECHANICAL / ELECTRICAL EQUIPMENT, CONSTRUCTION ANALYSIS AND FIRE, FOR LOCATION & EXTENT OF FIRE RATED CONSTRUCTION & FIRE PROOFING
6. FOR LOCATION OF TOILET ACCESSORIES, LAYOUT OF URINALS, SEE ALL OTHER LIGHTING SEE ELECTRICAL PLANS / ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION (FOR ALL ELEVATIONS AND LEVELS) UNLESS OTHERWISE SHOWN AS NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, GAS PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT NOT ABOVE 8'-11" FINISHED FLOOR, TO PERMIT FOR RECTANGULAR CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BUILDING NOT RATED AS IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 5-1-68

NO.	DATE	DESCRIPTION	BY
1	11-19-71	A-118	L.C.
2	4-27-72	A-119	L.C.
3	6-18-71	A-164	O.B.L.
4	6-18-71	A-164	O.B.L.
5	5-15-72	A-74	A.H.
6	1-20-70	A-58	E.C.
7	1-20-70	A-68	E.C.
8	6-15-68	A-17	O.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, ARCHITECT — EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS — JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES, SOILS ENGINEERS — THE PORT OF NEW YORK AUTHORITY, PAVING, UTILITIES, FOUNDATIONS

TITLE: 67TH FLOOR PLAN

DRAWN | CHECKED

SCALE: 1/16"=1'-0" | DATE: 9-24-69

PROJECT NUMBER | SHEET NO.

CONTRACT NUMBER: A-A-106

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLUMBING SCHEDULES, DWGS., SYMBOLS AND TERMINOLOGY, SEE DRAWING P-1.01, TO A.A.-5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A.A.-100.
3. ALL DIMENSIONS SHOWN ARE (UNLESS OTHERWISE NOTED) TO FINISH FACES.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A.A.-0.144 AND A.A.-0.145.
6. ALL TRENCH HEADERS TO BE PROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A DEPTH AS SHOWN TYP. EXCEPTIONS, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND RACEWAYS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (2.0125') BELOW FINISHED FLOOR, U.N.O.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. COIN DISPENSERS AT EACH JANITOR'S ACCESS CLOSET TO SOAP DISPENSER SHALL BE LOCATED IN ACCORDANCE WITH THE CONSTRUCTION AND TYPICAL TOILET DETAILS DWG'S. A.A.-316.
9. WHERE NO RUN CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR RECESSES, ETC., BOTTOM ELEVATION OF ALL BEAMS AND ELECTRICAL BOXES SHALL BE MAINTAINED AT 10'-0". FINISHED FLOORS, TO PROVIDE FOR PROPER CEILING INSULATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING AS INDICATED THUS: _____
11. CENTER LINES USED ON ALL REFLECTED PLANS SHOWN THUS: _____ ARE ORIGINAL DESIGN DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MAINTAINED AT FINISH CONSTRUCTION. SEE TYPICAL DETAILS
12. FOR DIMENSIONS OF FIXED EQUIPMENT, COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS. A.A.-0.100 TO A.A.-0.107.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	Date	S-I-S-B
		1-30-70	A-64	A.C.
		1-30-70	A-81	A.C.
		1-30-70	A-88	A.C.
		1-30-70	A-97	L.J.
6-1-78	A-1067	6-16-69	A-31	D.G.
1-15-70	A-1018	6-16-69	A-70	D.G.
5-12-71	A-1064	6-16-69	A-17	D.G.
6-1-71	A-1103	8-1-68	A-10	D.G.
7-12-72	A-74	9-13-68	A-3	D.G.
5-12-73	A-73	4-29-68	A-5	D.G.

REVISIONS — DATE | DWG. NO. | BY

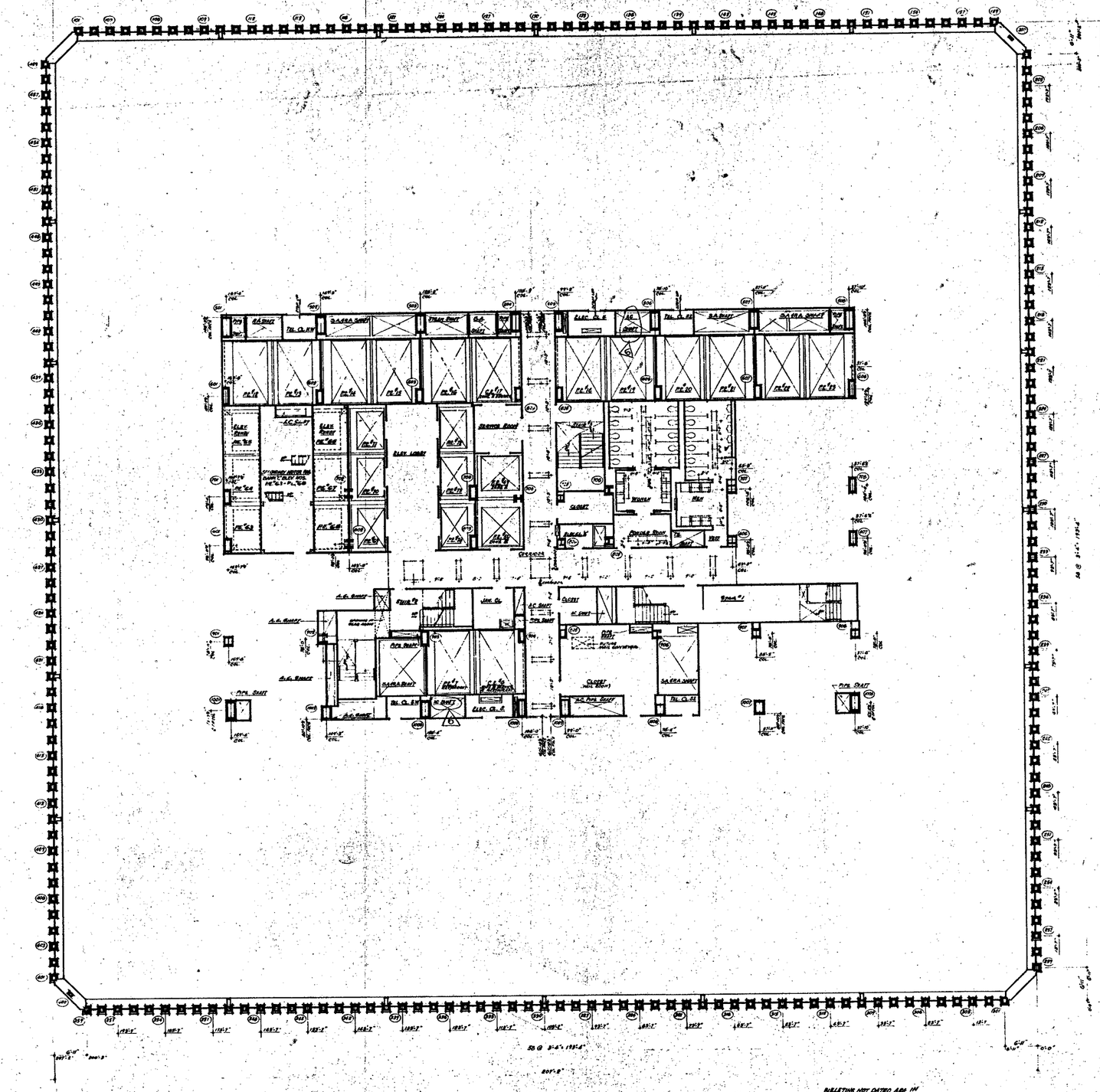
REVISIONS — DATE | DWG. NO. | BY

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR CORE PLAN
SCALE: 1/8"-0" — DATE: 7-20-67
DRAWING NO. A-A-107



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS THESE SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-4
2. FOR COMPLETE DIMENSIONS AND NOTES IN TOILL AREA SEE ¼" SCALE CORE DRAWING "A-A-104"
3. ALL ELEVATIONS GIVEN THUS (104'0") ARE IN RELATION TO DATUM FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBSIDIARY DRAWINGS
5. [illegible] HEATERS TO BE DETERMINED AT WORKSHOPS OF PLACE OF A MINIMUM OF 40" WITH A BALANCED TYPE PROPELLOR. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL DATA HEATERS AND CONVECTORS APPLIED WITH CABINETS OR TRENCHES ARE IN EXTENT OF TRENCH HEATERS AND CONVECTORS.
6. COVER PLATE AND TOILET CAPACITY AS SHOWN. FOR ALL OTHER UNITS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (104'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR ENCLOSURES ETC. PORTION ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 8'-8½" ABOVE FINISH FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-68

NO.	DATE	REVISION	DWG. NO.	BY
1	6-18-71		A-106	DBL
2	5-15-70		A-74	AJ
3	7-20-70		A-84	LJ
4	7-20-70		A-89	LJ
5	5-15-69		A-17	RM
6	5-21-69		A-25	RM

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

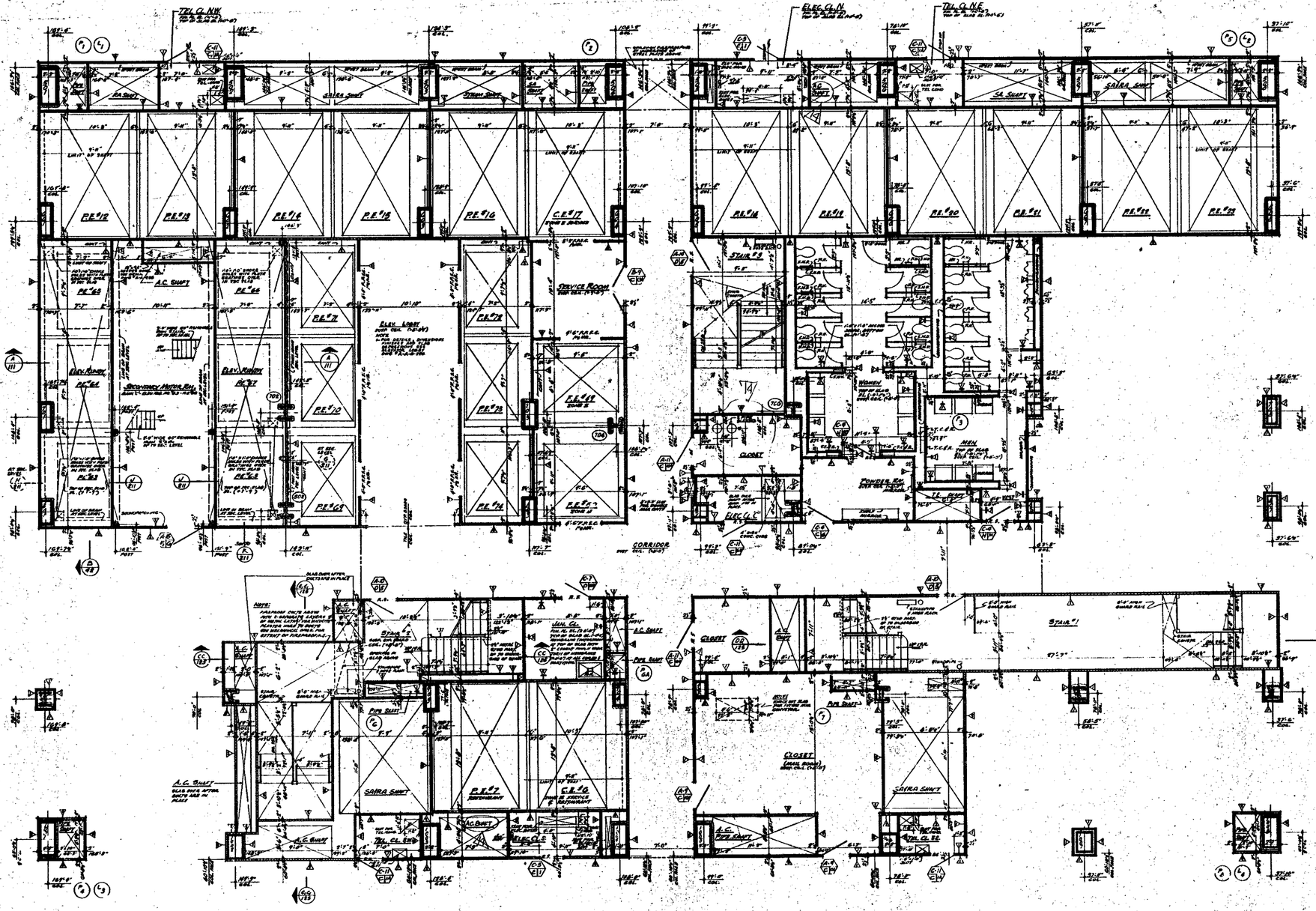
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 60TH FLOOR PLAN

DRAWING		CHECKED	
SCALE	1/8"	DATE	7-20-70
PROJECT		SHEET	OF
SUBMITTED			

A-A-108



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-A-1 TO A-A-4.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING #A-A-106.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-A-106 AND A-A-D-705.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A BOX-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SUMP DEPRESS AT ALL MEN AND WOMEN'S TOILETS, SAS DRAINERS AT EACH JANITORS' ACCESS CLOSET TO SUMP DRAINAGE VALVES TO BE LOCATED IN ACCORDANCE WITH THE COVERING. SEE TYPICAL TOILET DETAILS DWG# A-A-B-104.
9. WHERE RS SERVICED CLOSES ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC OCCUPANCY CEILING IS INDICATED THUS: ———— — — —
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 45° FROM HORIZONTAL SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS #A-A-306 TO A-A-B-108.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT	BID	DRAWING	date	by
		1 80-106	A-51	L.H.
		2 80-107	A-53	L.H.
		3 80-108	A-47	L.H.
		4 5-13-69	A-51	[illegible]
		5 5-23-69	A-26	[illegible]
		6 5-23-69	A-17	[illegible]
C-6871	A-164	84 7 5-13-69	A-35	[illegible]
5-15-70	A-24	4 8 8-1-69	A-10	DG
5-15-70	A-79	444 9 11-19-68	A-5	DG
1-19-70	A-24	1-1 10 2-21-68	A-8	DG

REVISIONS

REVISIONS

REGISTERED ARCHITECT — EMERY ROTH & SONS — NEW YORK

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

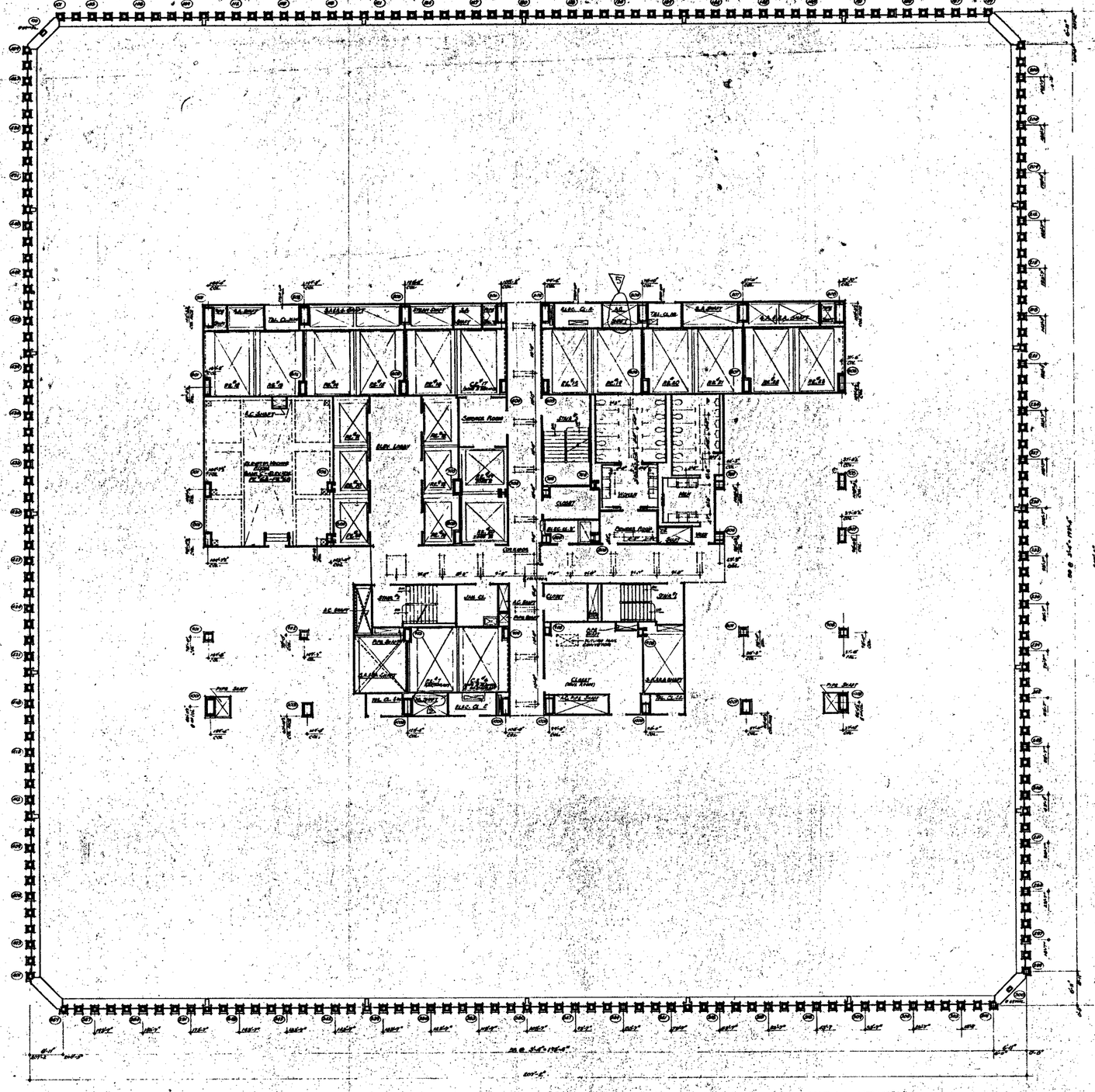
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

TITLE: 68TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
ASSISTANT DIRECTOR			

A-A-105



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWINGS "A-A-1 TO A-A-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SCALE CORE DRAWING "A-A-111"
3. ALL ELEVATIONS SHOWN, THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ARCHITECTS' ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED. WHERE NO CEILING HEIGHT IS GIVEN, CEILING TO BE FLUSH WITH ALL CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 7'-6" ABOVE FINISHED FLOORS, TO FACILITATE FUTURE CEILING INSTALLATION AND CLEARANCE OF RAILS.
8. HEIGHT DOORS
9. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE 0'-0" UNLESS OTHERWISE SHOWN OR NOTED.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _ _ _ _

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	Date 2-1-68

NO.	DATE	REVISIONS	BY
1	8-18-71	A-16.2	D.B.L.
2	1-20-72	A-23	A.A.
3	1-20-72	A-17	L.M.
4	6-23-72	A-17	D.B.
5	6-27-72	A-23	D.B.

NO.	DATE	REVISIONS	BY

REGISTERED ARCHITECT — NEW YORK STATE — L. B. [illegible]

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

STRUCTURAL ENGINEERS: WORTHINGTON, SKILLMAN, HELLE & JACKSON; JOSEPH R. LORING & ASSOCIATES

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

MECHANICAL ENGINEERS: JAROS, BAUM & BOLLES; THE PORT OF NEW YORK AUTHORITY

PLANNING, UTILITIES, FOUNDATIONS

TITLE: 69TH FLOOR PLAN

SCALE	1/16" = 1'-0"	DATE	7-24-72
DESIGNED		DRAWN	
TRACED		CHECKED	
APPROVED			

DRAWING NO. A-A-110

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS ROOM SCHEDULES, DOOR SCHEDULES AND SCHEDULES, OR DRAWINGS SEE DRAWINGS A-1.1 TO A-1.4
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-A-110
3. ALL ELEVATIONS GIVEN THUS (A0'0") ARE IN ADDITION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TYPES THUS "DRYWALL" SEE SYMBOLS-ROOM SCHEDULES AND SHEETS
6. ALL 7'6 INCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" MIT. A GAP-IN TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS ARE (SOG) UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMBING RISER DRAWINGS AT ALL MEN AND WOMENS "T" TYPE DRY STANDPIPES AT EACH LEVEL EXIT ACCESS DOORS TO BE LOCATED IN ACCORDANCE WITH TILE COLORS. SEE TYPICAL TOILET SCALE SIZE 1/4"-1'-0"
9. WHILE NO SUSPENDED CEILINGS ARE CALLED FOR, EVEN AS IN CLOSETS, STAIR, HOISTWAYS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ————————
11. CANTS ARE REQUIRED SHALL BEAM FURRED TYPE OVER 6" NOMINAL (ACTUAL) DIMENSION OF ELEVATOR SHAFTS AND SHALL BE MINIMUM 10" FROM MATERIAL. SEE TYPICAL DETAILS
12. FOR REMOVING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-1.1-106 TO A-1.1-112.

SECTION A/A

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 5-9-66

NO.	DATE	BULL. NO.	BY
6	6-15-71	A-184	DBL
5	5-15-70	A-75	AH
4	1-30-70	A-31	AS

REVISIONS

NO.	DATE	BULL. NO.	BY
A	1-30-70	A-69	LM
A	1-30-70	A-97	LM
A	5-29-69	A-94	DAL
A	5-29-69	A-86	DAL
A	5-29-69	A-77	DAL
A	5-29-69	A-89	DAL
A	11-1-68	A-74	AM
A	8-1-68	A-40	DAL
A	7-29-68	A-8	DAL
A	5-15-68		DAL

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

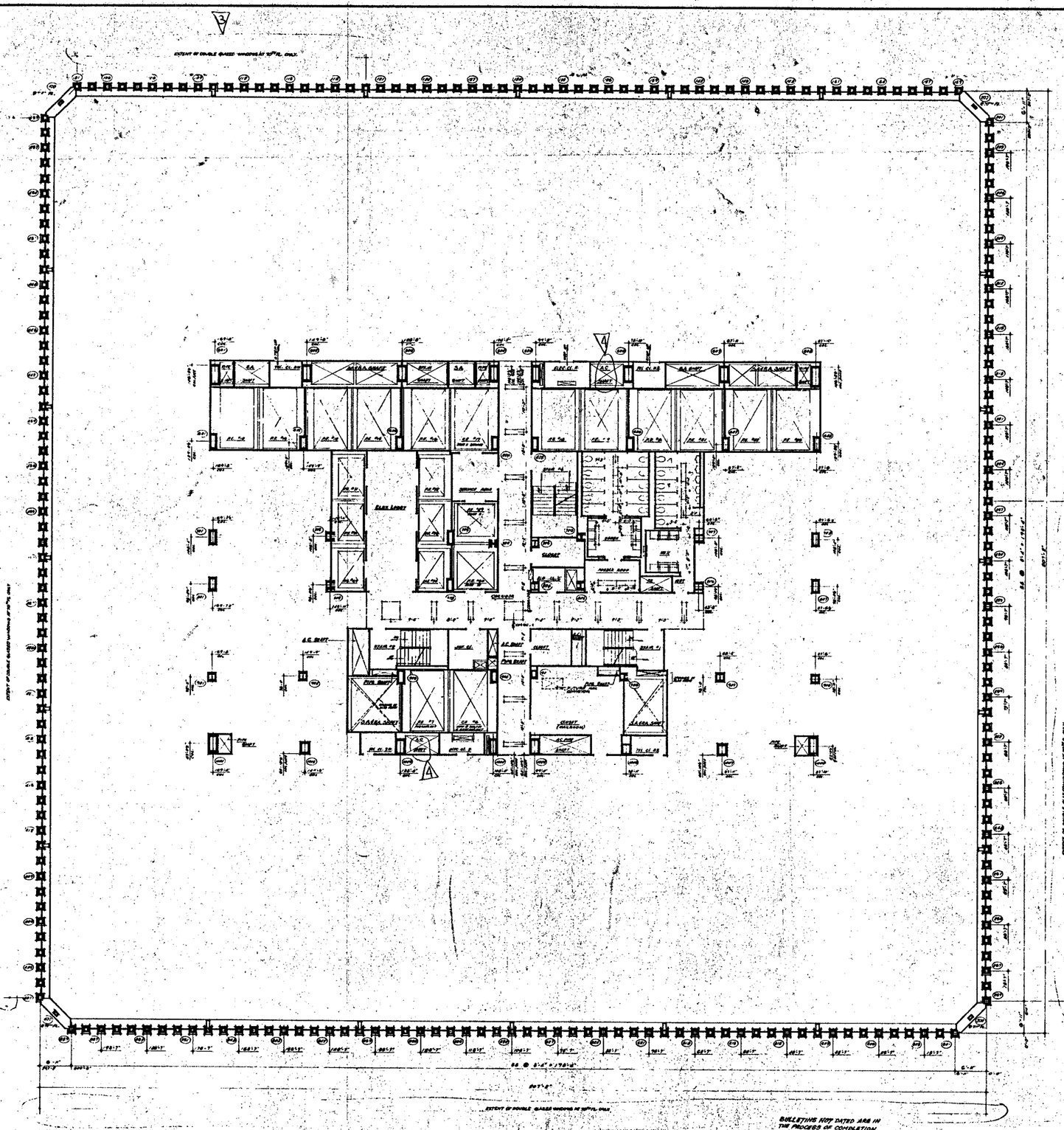
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES & DRAINAGE

1/8"-1'-0"

69th Floor - Core Plan

SCALE 1/8"=1'-0" DATE 7-31-67
DRAWN CHECKED
APPROVED SHEET

A-A-111


EXTENT OF DOUBLE GLAZED WINDOWS AT 107TH FL. ONLY
EXTENT OF DOUBLE GLAZED WINDOWS AT 107TH FL. ONLY
SLAB SHAFT
ELEC CLT
SLAB SHAFT
SLAB SHAFT
SLAB SHAFT
SLAB SHAFT
A.C. SHAFT
A.C. SHAFT
DOM. SHAFT
DOM. SHAFT
CLOSET
CLOSET
CLOSET

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES & SCHEDULE OF DRAWINGS SEE SHEET "A" SERIES.
2. FOR COMPLETE G.F.S. AXIS PLANS, PLAN AND SHTS. OF AXIS SEE A-1.
3. ALL ELEVATIONS SHOWN THUS (XX'-XX") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG'S A-A3-201 AND A-A3-202
6. ALL TRENCH HEADERS TO BE RELAID OVER AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SUPPLY OF TYPE OF FOLLOWING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FILLER PLATES.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
8. BRONZE EYES DIFFERENTIALS AT ALL MEN AND WOMEN'S TOILETS
9. PIPE SPACERS AT ELECTRICAL ACCESS DOORS TO KEEP DISTRIBUTION VALVES TO BE LOCATED IN ACCORDANCE WITH I. COLCEVIC SEE TYPICAL DWG. A-A3-201
10. WHERE NO FURRED CEILINGS ARE SHOWN FOR, EVEN IF IN CLOSETS, STAIR, ELEVATORS ETC. BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO ALLOW FOR SUITABLE CEILING INSTALLATION AND CLEARANCE OF FULL 12'-0" DOORS
11. EXTENT OF PUBLIC CEILING IS INDICATED THUS
12. CAULTS REQUIRED ON ALL BEAM PENETRATIONS OVER 6" HORIZONTAL (GENERAL) DIMENSION IN ELEVATION, CAULTS SHALL BE MINIMUM 24" FROM HORIZONTAL SEE TYPICAL DETAILS
13. FOR SHEETROCKING OR BRICK STACKING SEE ARCHITECTURAL SPECIFICATIONS
14. DETAILS SEE DRAWINGS A-A3-203 TO A-A3-207.

NORTH

PART PLAN AT 71ST FLOOR

PART PLAN AT 71ST FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO.	DRAWING	DATE	BY
		1 1-30-70	A-51	LJL
		2 1-30-70	A-48	LJL
		3 1-30-70	A-47	LJL
		4 5-15-69	A-51	DG
		5 5-15-69	A-50	DG
		6 5-15-69	A-17	DG
		7 5-15-69	A-95	DG
		8 3-1-68	A-10	DG
6-18-71	A-106	CB1 9 1-28-68	A-6	DG
5-15-70	A-75	LJL 10 4-29-66	A-5	DG

NO. DATE REVISIONS BY — NO. DATE REVISIONS BY

REGISTERED ARCHITECT STATE OF NEW YORK

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
EMERY ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

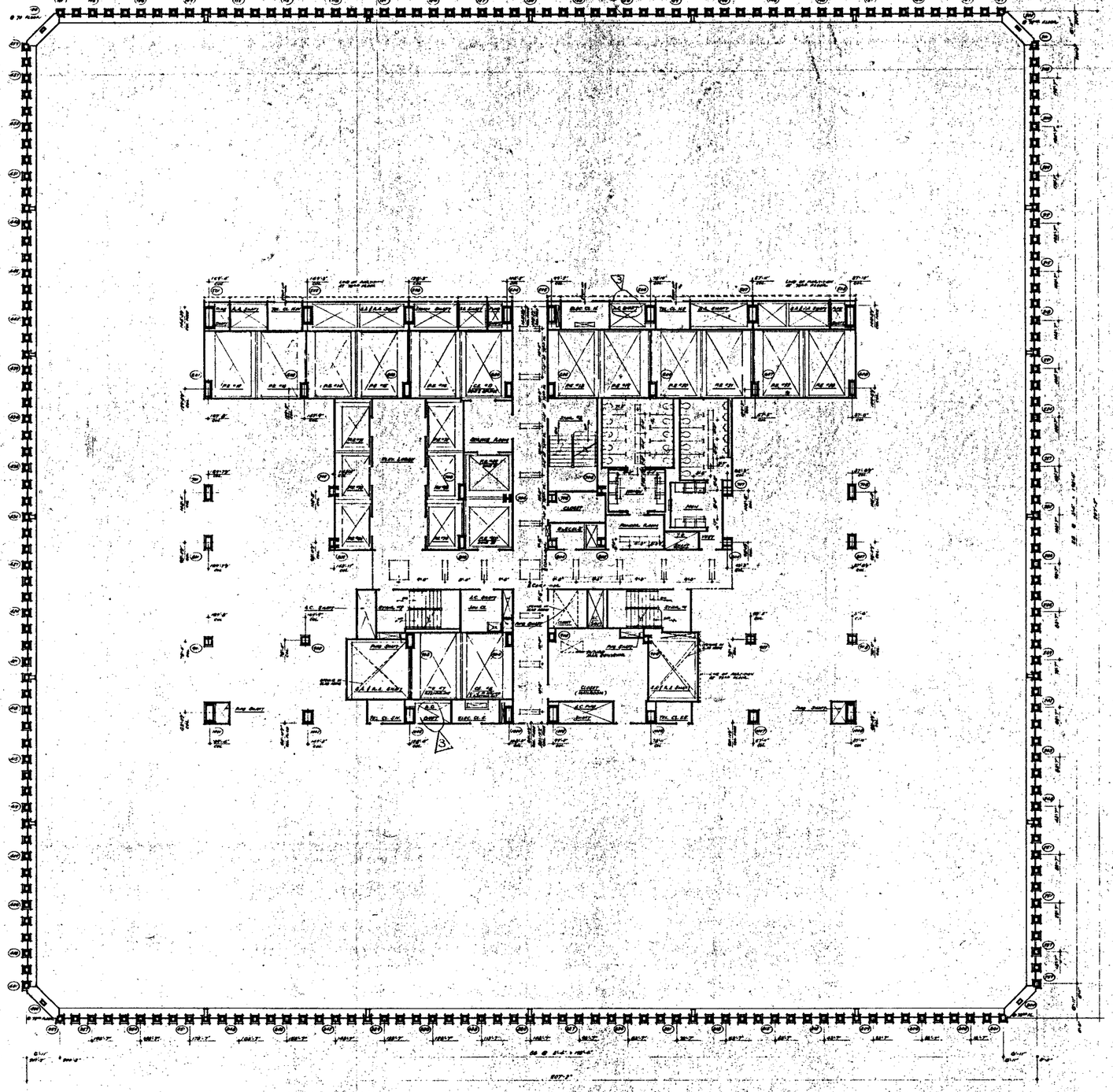
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, RESTUTTING, FOUNDATIONS

TITLE: 70TH & 71ST FL. CORE PLAN

DESIGNED		CHECKED	
SCALE	1/8" = 1'-0"	DATE	1-30-70
TRACED		SHEET	OF
APPROVED			

DRAWING NO. A-113



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR, HARDWARE & GLAZING SCHEDULE, SEE DRAWING A-001 & A-002.
2. FOR COMPLETE DIMENSIONS, NOTES & CODE, SEE DRAWING A-101 & A-102.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. ALL TRENCH HEADERS TO BE PAINTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRIP ON TOP OF BALANCE. THE ARCHITECT WILL SPECIFY TYPE & COLOR. ELECTRICAL ENGINEER & CONTRACTOR TO COORDINATE LOCATIONS, CLEARANCES & EXTENT OF TRENCH HEADERS & RACEWAYS.
6. CEILINGS, & TOILET LIGHTING LAYOUTS AS SHOWN. ALL OTHER LIGHTING AND ELECTRICAL BALANCE & DISTRIBUTION DETAILS
7. OTHER FLOOR ELEVATIONS (-) OR (+) SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE NOTED.
8. ALL NO SHAPED COLUMNS ARE FILLED FOR, STICK AS IN CURTIS ANN DRAWINGS ETC., EXTERIOR ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCES OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC SPACE CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CONVERSION

CONTRACT BID DRAWING date 2-7-68

NO.	DATE	DESCRIPTION	BY
1	6-18-71	A-146	DBL
2	1-20-70	A-89	J.E.
3	3-23-69	A-17	

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

TITLE: 72nd & 73rd FLOOR PLAN

SCALE: 1/16" = 1'-0"

DATE: 7-31-67

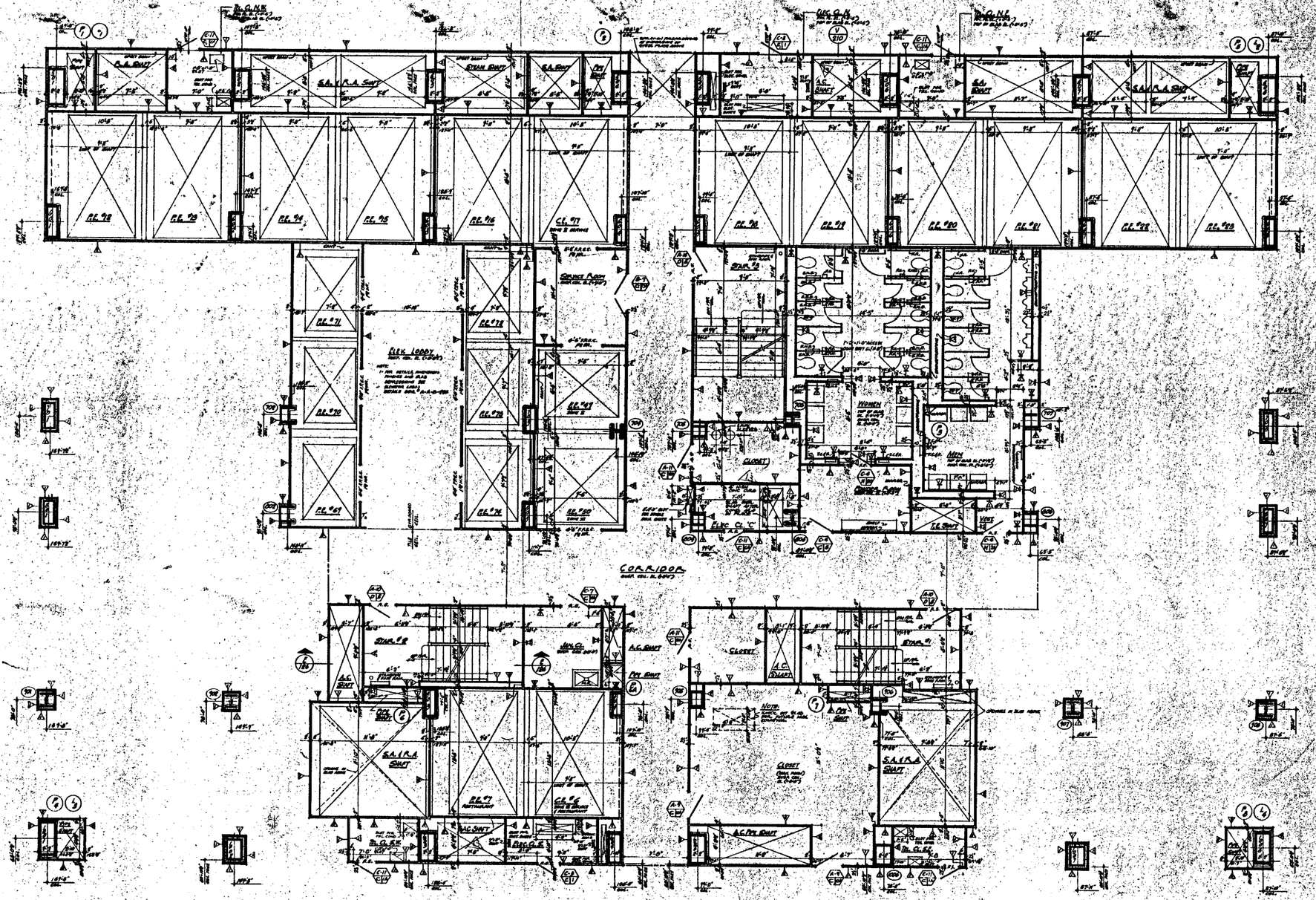
PROJECT NO.

DRAWING NO. A-A-114

NORTH

NOTES

1. FOR SPECIAL NOTES, KEY TO SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND TYPICAL DETAILS SEE DRAWINGS A-0.1 TO A-0.5
2. FOR GENERAL & ZONE PLANS AND SECTIONS SEE DRAWINGS A-1.1 TO A-1.5
3. ALL ELEVATIONS (EXCEPT THOSE GIVEN AS DIMENSIONS) TO THEIR FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL PARTITIONS SEE DRAWINGS A-0.2 AND A-0.3
6. ALL TORCH MEMBERS TO BE PROTECTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'0" WITH A CERAMIC TYPE THERMOMETAL. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION (HEIGHT OF TORCHES SHOULD BE DETERMINED).
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE CLOSEST MEANS OTHERWISE SHOWN OR NOTED.
8. PLUMBING FIXTURES BY ALL OTHERS AND FURNISHED UNDER DIVISION 17 EACH CONTRACT IN ADDITION, CAULKING AND SEALING TO BE ACCOMPLISHED IN ACCORDANCE WITH THE COVERING. SEE TYPICAL TOILET DETAILS (NO. A-0.4 & A-0.5).
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, THERE ARE NO CEILINGS. STEEL, PARTITIONS ETC., BETWEEN ROOMS OR ALL FLOOR SLABS ELECTRICAL SHALL BE MONITORED AT CEILING PLANS, TO BE MADE FOR FUTURE CEILING INSTALLATION AND OBSOLESCENCE OF FALL SHORT PERIOD.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____
11. CANT'S ARE REQUIRED ON ALL SLOPE PARTITIONS OVER 60° MINIMUM (OTHERWISE) DIMENSION IN ELEVATION, SLOPES AND SHALL BE MEASURED ON PLANS HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIRESTOPPING AT FLOOR STRUCTURE, CEILINGS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS NO. 0.4 TO A-0.5



BULLETIN, NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date 8-1-74
	1-30-70 A-81	A-8
	1-30-70 A-88	A-4
	1-30-70 A-87	E.C.
	5-25-71 A-91	A-mech
	5-25-71 A-96	A-mech
	5-25-71 A-17	A-mech
	5-25-71 A-25	A-mech
4-8-74 A-164 DBL	9-1-64 A-100	DBL
9-1-74 A-163	4-28-64 A-8	DBL
5-15-74 A-75	4-28-64 A-2	DBL

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	7-31-74	ADDENDUM	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

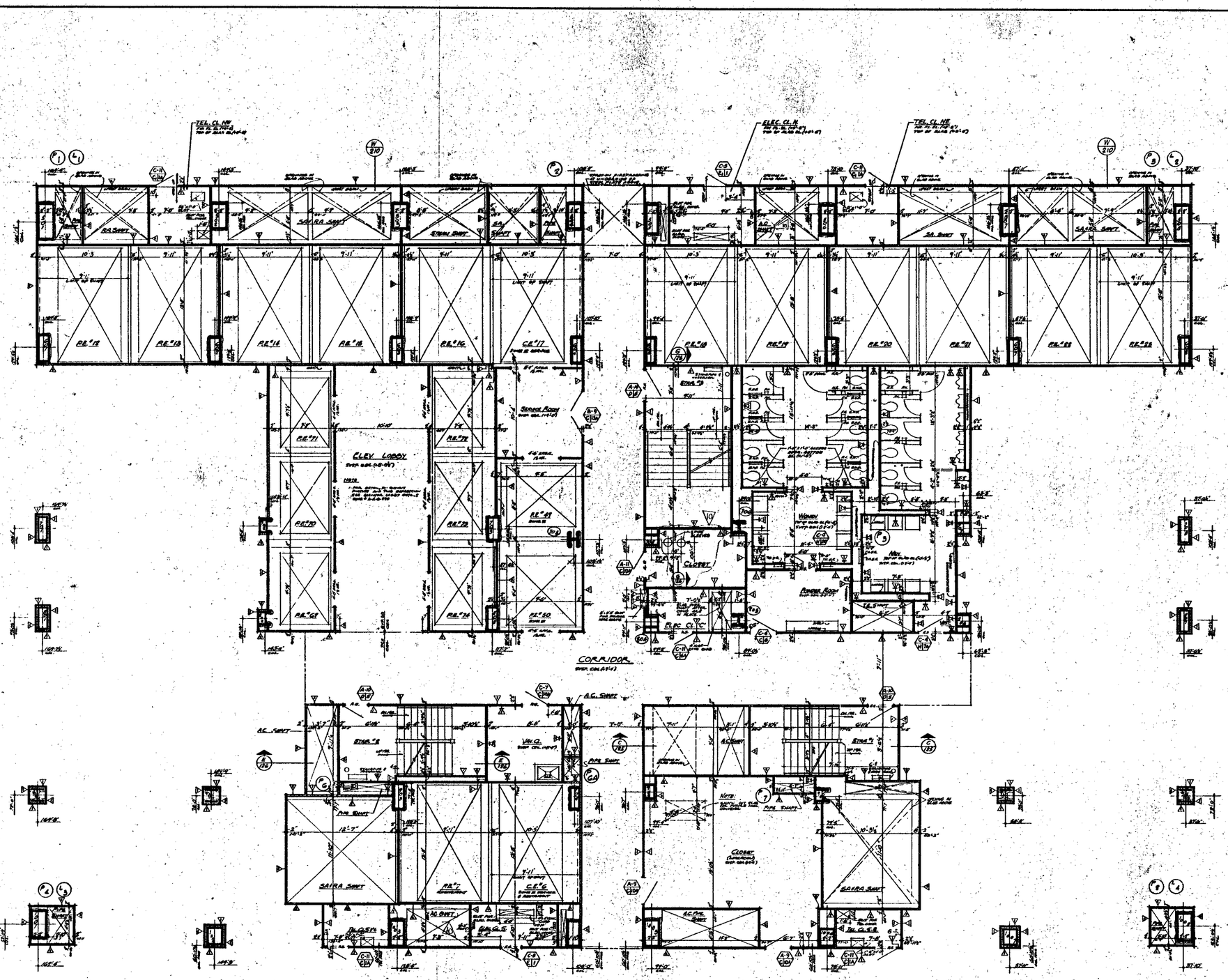
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

72nd FLOOR CORE PLAN

DESIGNED		CHECKED	
DRAWN	4" = 1'-0"	DATE	7-31-74
TRACED		SUBJECT	
RECORDED			

A-A-115



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, KEY ON SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING A-A-116
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERED DRAWINGS.
5. FOR TYPICAL TRAY ENCLOSURE SEE DWG. A-A-204 AND A-A-206.
6. ALL TRENCH HEADERS TO BE PAPERBACKED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & THICKNESS. ENGINEERS & CONTRACTORS SHALL AGREE UPON SIZES, ARE, LOCATION & EXTENT OF TRENCH HEADERS & PAPERBACKING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (100'-0") UNLESS OTHERWISE NOTED.
8. PROVIDE SOAP DISPENSERS 1) ALL MEN AND WOMENS TOILETS. ONE DISPENSER 2) EACH LAVATORY ADJOINING SOAP DISPENSERS NEEDED TO BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS DWG. A-AB-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, INTERSTITIAL ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION, AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER ¾" NOMINAL (EARTHEN) DIMENSION IN ELEVATOR, SHAFTS AND SHALL BE MINIMUM 12" PARALLEL/VERTICAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	SUPL. NO.	BY
		(CONTRACT BID DRAWING date 8-7-68)	
1	8-16-71	A-104	DBL
2	9-17-70	A-76	A.N.
3	1-30-70	A-81	L.M.
4	1-30-70	A-82	L.M.
5	10-30-70	A-67	L.M.
6	5-25-69	A-31	M.G.
7	5-23-69	A-28	M.R.
8	2-28-69	A-17	M.R.
9	8-1-68	A-100	D.G.
10	7-11-68	A-2	D.G.

REVISIONS

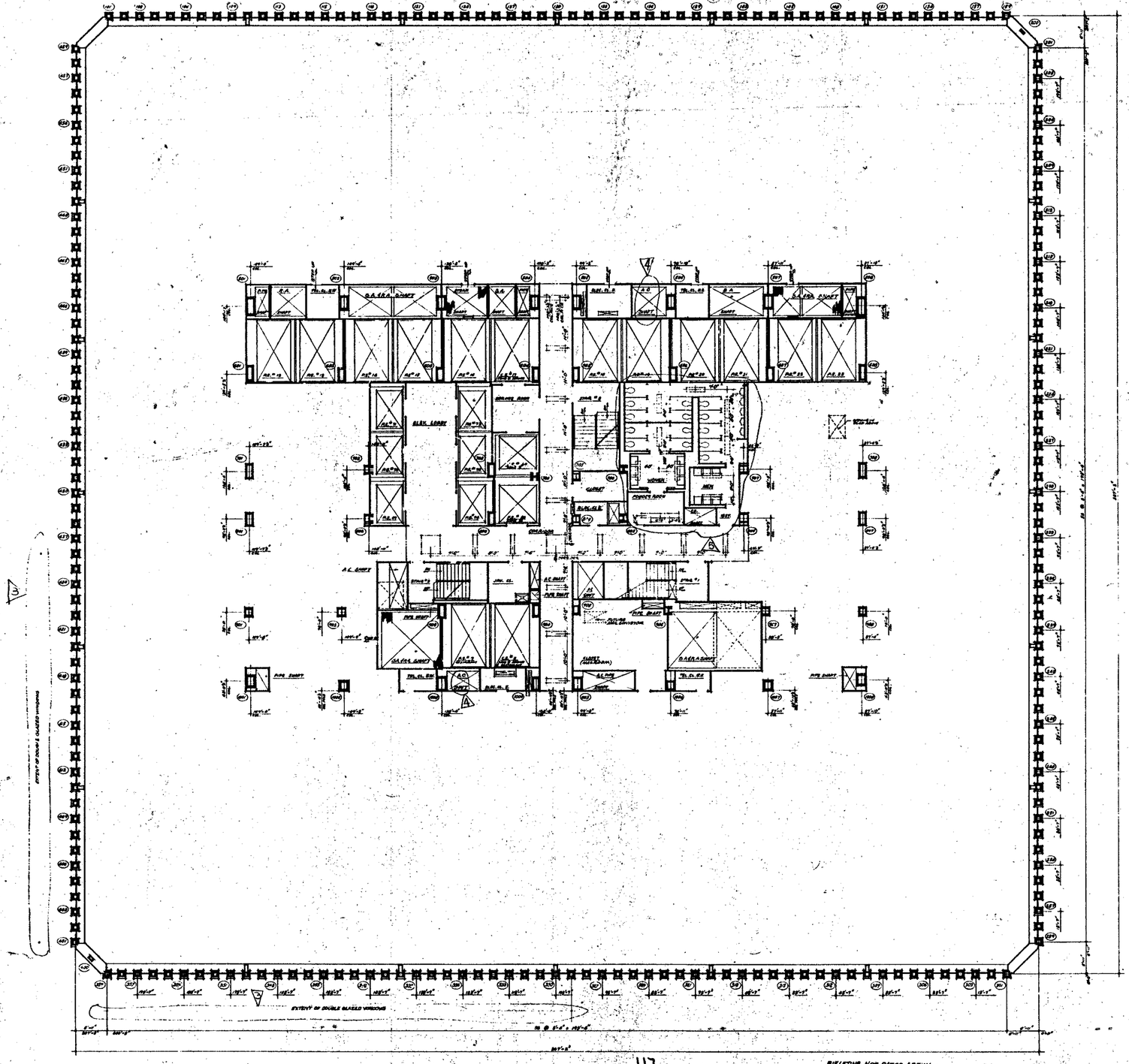
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
CIVIL & STRUCTURAL ENGINEERS — HEATING, UTILITIES, FOUNDATIONS

TITLE: 73rd FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-28-72
PROJECT NO.		SHEET	OF
DRAWING NO.	A-A-116		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING# A-A-1 TO A-A-4.
2. FOR COMPLETE DIMENSIONS AND DETAILS IN CORE AREA SEE 1/4" SCALE CORE DRAWING# A-A-116.
3. ALL DIMENSIONS GIVEN THUS (3'-0 1/2") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREPOURED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY ON TYPE FIREPROOFING SEE ARCHITECTS & SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORE LOOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, MAIN PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 8'-6" ABOVE FINISHED FLOOR TO ENSURE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - -

117

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSIDERATION

CONTRACT BID DRAWING ISSUE 6-9-66

NO.	DATE	DWG. NO.	BY
1	6-19-71	A-117	DBL
2	6-18-71	A-116	DBL
3	6-18-71	A-116	DBL
4	1-20-70	A-88	LH
5	12-24-69	A-17	DBL

REVISIONS

APPROVED

Chief, Planning Division

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

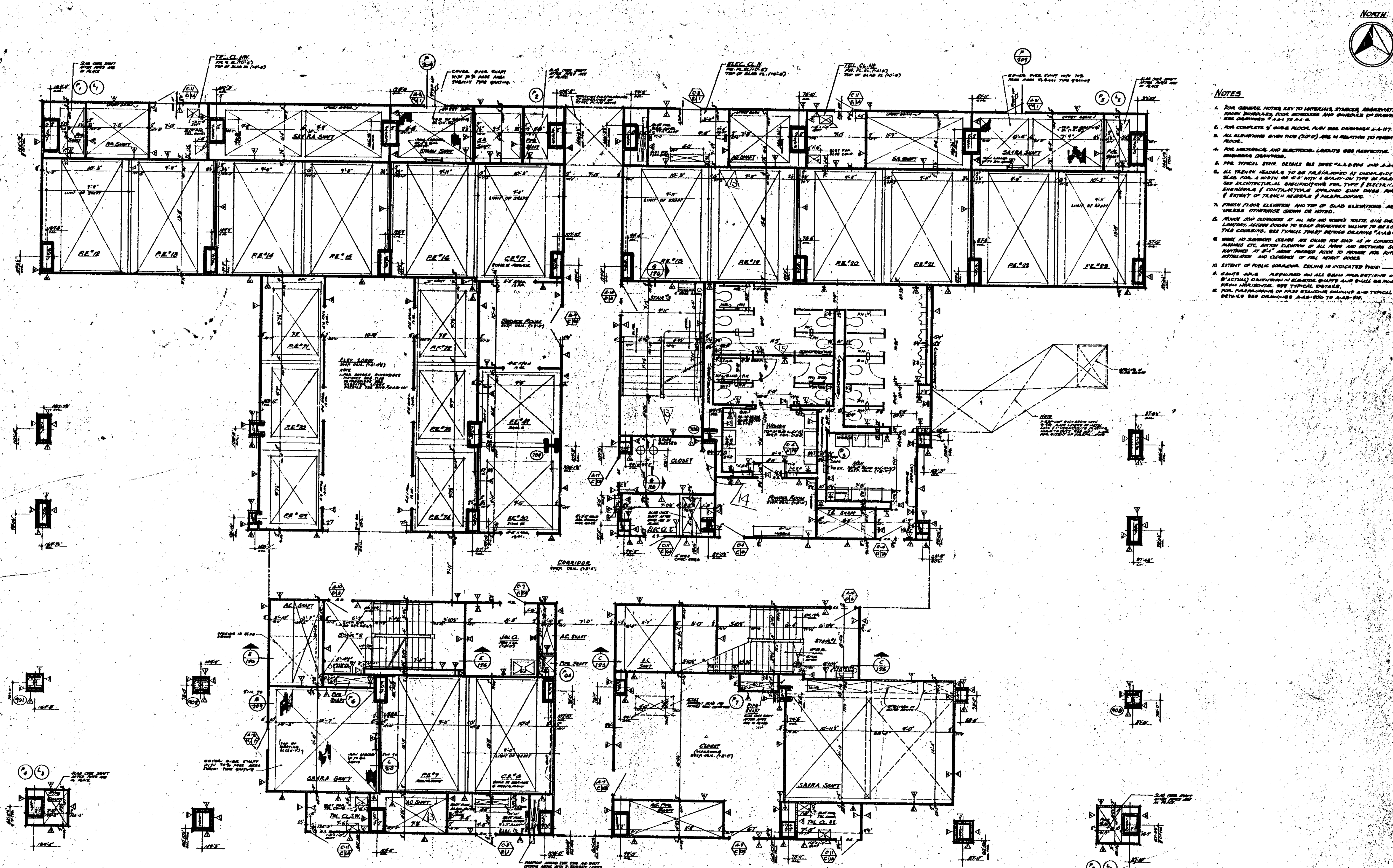
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 74TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	A-A-117		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-117.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A-B-204 AND A-A-B-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING # A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——— — ———
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 4½" NOMINAL (5" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-200 TO A-AB-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-9-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				△	1-30-70	A-83	L.J.
				△	1-30-70	A-47	E.C.
				△	6-23-69	A-81	D.G.
				△	5-23-69	A-26	D.G.
				△	5-23-69	A-17	D.G.
△	6-18-71	A-174	D.G.	△	5-23-69	A-23	D.G.
△	6-18-71	A-187	D.B.L.	△	8-1-68	A-10	D.G.
△	6-18-71	A-164	D.B.L.	△	6-28-68	A-5	D.G.
△	5-15-70	A-75	A.W.	△	4-29-68	A-2	D.G.
△	1-30-70	A-81	L.J.	△	5-18-68		1 V.L.
REVISIONS				REVISIONS			

APPROVED

CHIEF, P... DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4" = 1'-0" SCALE

TITLE: 74TH FLOOR CORE PLAN

DRAWN | CHECKED

SCALE 1/4" = 1'-0" | DATE 7-31-67

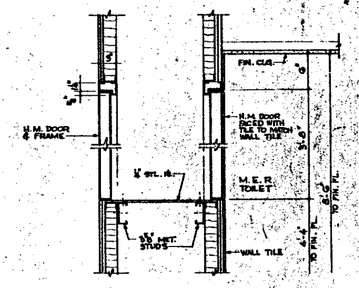
PROJECT NUMBER | SHEET | OF

A·A·118

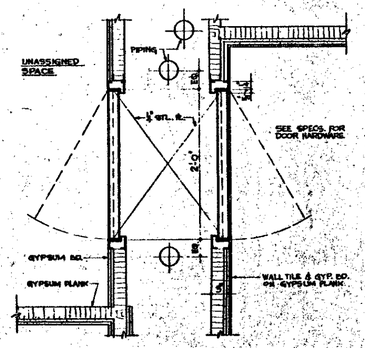
NORTH

NOTES

1. FOR GENERAL NOTES, REF. TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND GLOSSARY OF DRAWINGS SEE DRAWING S-A-A1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-1/8"
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR, TOILET AND SHAFT PLANS SEE A-A-2 AND A-A-3 TYP.
6. PARTS (FLOOR, SURFACE, ETC.) OF PLANS AS FAR AS WORK IS INDICATED ARE TYPICAL FOR SIMILAR PARTS OF THE BUILDING.
7. WHERE NO DIMENSIONS CHANGE ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FLOORS AND SOFFITS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR. TO PROVIDE FOR PIPING CEILING INSTALLATION AND CLEARANCES OF ALL HEIGHT DOORS
8. ELEVATIONS TO TOP OF CONC. CURB TO BE (+0'-6") UNLESS OTHERWISE SHOWN OR NOTED.



SECTION



PLAN

DETAILS OF ACCESS DOORS TO UNASSIGNED SPACE

SCALE: 1½" = 1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT + BID			DRAWING (date - 2-1-68)		
			12-18-71	A-184	DT
			5-13-70	A-175	AM
			1-30-70	A-135	EC
6-4-70	A-69	LJ	1-30-70	A-67	EC
1-26-70	A-96	JR	6-13-69	A-28	PG
6	A-379	LJ	6-20-69	A-47	DG
10-8-69	A-346	LJ	6-20-69	A-17	DG
4-15-69	A-316	DG	8-1-68	A-11	AM
6-28-68	A-300	LJ	6-28-68	A-5	PG
6-17-68	A-269	LJ	2-29-68	A-3	DG

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 75TH FLOOR PLAN
Lower Mech. Equip. Rm. Lev. 1

SCALE: 1/8"-1'-0" DATE: 7-3-68

DRAWING NO. A-A-121

RETURN AIR PLENUM

ELECTRIC SUB-STATION
LOWER LEVEL

RETURN AIR PLENUM

NORTH

S.A. & R.A. SHAFT

S.A. SHAFT

S.A. & R.A. SHAFT

P.E. '15 | P.E. '14 | P.E. '13 | P.E. '12 | P.E. '11 | P.E. '10 | C.E. '77

P.E. '70 | P.E. '71 | P.E. '72 | P.E. '73 | P.E. '74 | P.E. '75

SECONDARY MOTOR RM.

MOTOR GENERATOR RM.

MAIL ROOM

M.E.R. TOILET

UNDERLAYER SPACE

ELEC. ROOM

STAIR #1

STAIR #4

A.C. SHAFT

RET. RESTAURANT

RETURN AIR PLENUM

S.A. & R.A. SHAFT

RETURN AIR PLENUM

ELECTRIC SUB-STATION
LOWER LEVEL

NOTES

1. FOR GENERAL NOTES, KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR CONCRETE TO FINISH FLOOR, FLAT SLAB DRAWINGS A-A-12
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO PROJECT FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE ARCHITECTS ENGINEERS' DRAWINGS.
5. FOR TYPICAL TOWER DETAILS SEE DWGS. A-A-9 TO A-A-11 AND A-A-13 TO A-A-16.
6. FOR FLOORS SEE A-A-17
7. THE KEY PLAN A-A-1 TO A-A-17 VALUES REMARKED SHOWN OR INTENDED TO INDICATE AN OVERALL GENERAL LAY OUT ONLY AND DO NOT SHOW ALL DETAILS OF CLIENTS, STAIR, PARTITIONS ETC., BUTTON ELEVATION OF ALL PIPING AND MATERIALS SHALL BE MAINTAINED AT EACH FLOOR LEVEL TO PROVIDE FOR FUTURE CEILING INSTALLATIONS AND CLEARANCE OF FULL HEIGHT DOORS.
8. CAUTION A-A-2 MEASURED ON ALL BEAM PROJECTIONS OVER 10" NOMINAL (OR ACTUAL) DIMENSIONS IN ELEVATION SHOWN AND SHALL BE MINIMUM 7'-6" CLEAR HORIZONTAL SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-9 TO A-A-9 & A-A-13 TO A-A-16
10. ELEVATION TO TOP OF CONCRETE SHOWN THUS (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.

MECHANICAL EQUIPMENT ROOM

NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (+5'-4") AT ALL CURBS, SEE TYPICAL DETAILS ON DWG. A-A-9 TO A-A-11
3. FOR DETAILS OF CONC. PADS FOR MECHANICAL EQUIPMENT SEE DWG. A-A-12
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE M.E.P.C. & PLUMBING CONTRACTOR'S DRAWINGS.
5. PROVIDE FLOOR CHANNEL SUPPORTS OVER ALL FLOOR & CEILING OPENINGS IN PARTITIONS SEE DWG. A-A-9
6. SLABS FINISHED FLOOR IS RAISED 8" FROM (70'-0") FLOOR. SHALL BE 7½" CEMENT FINISH OVER, HIGH DENSITY RIGID FOAM FILL
7. PROVIDE 6" RIGID INSULATION AT UNDERSIDE OF HOUSE KEEPING PADS

COL. # 809

COL. # 703

COL. # 901

COLUMN DETAILS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 5-1-68
1-96-70 A-96	J.R.	1-80-70 A-85 LJ
1-82-70 A-82	LJ.	1-80-70 A-87 LJ
1-87-70 A-87	LJ.	5-15-69 A-27 DG
10-2-70 A-241	J.R.	5-25-69 A-17 DG
6-1-71 A-269	LJ.	5-25-69 A-25 DG
6-3-71 A-264	DT.	5-1-68 A-11 MM
6-18-71 A-268	DT.	5-1-68 A-10 DG
5-5-70 A-65	AM.	5-28-68 A-5 DG
5-5-70 A-75	AM.	6-22-68 A-9 DG
1-80-70 A-81	LJ.	5-15-68 FVL

10-6-72	A-419	LJ.

REVISIONS — DATE | SUB. NO. | BY

REVISIONS — DATE | SUB. NO. | BY

REVISIONS — DATE | SUB. NO. | BY

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

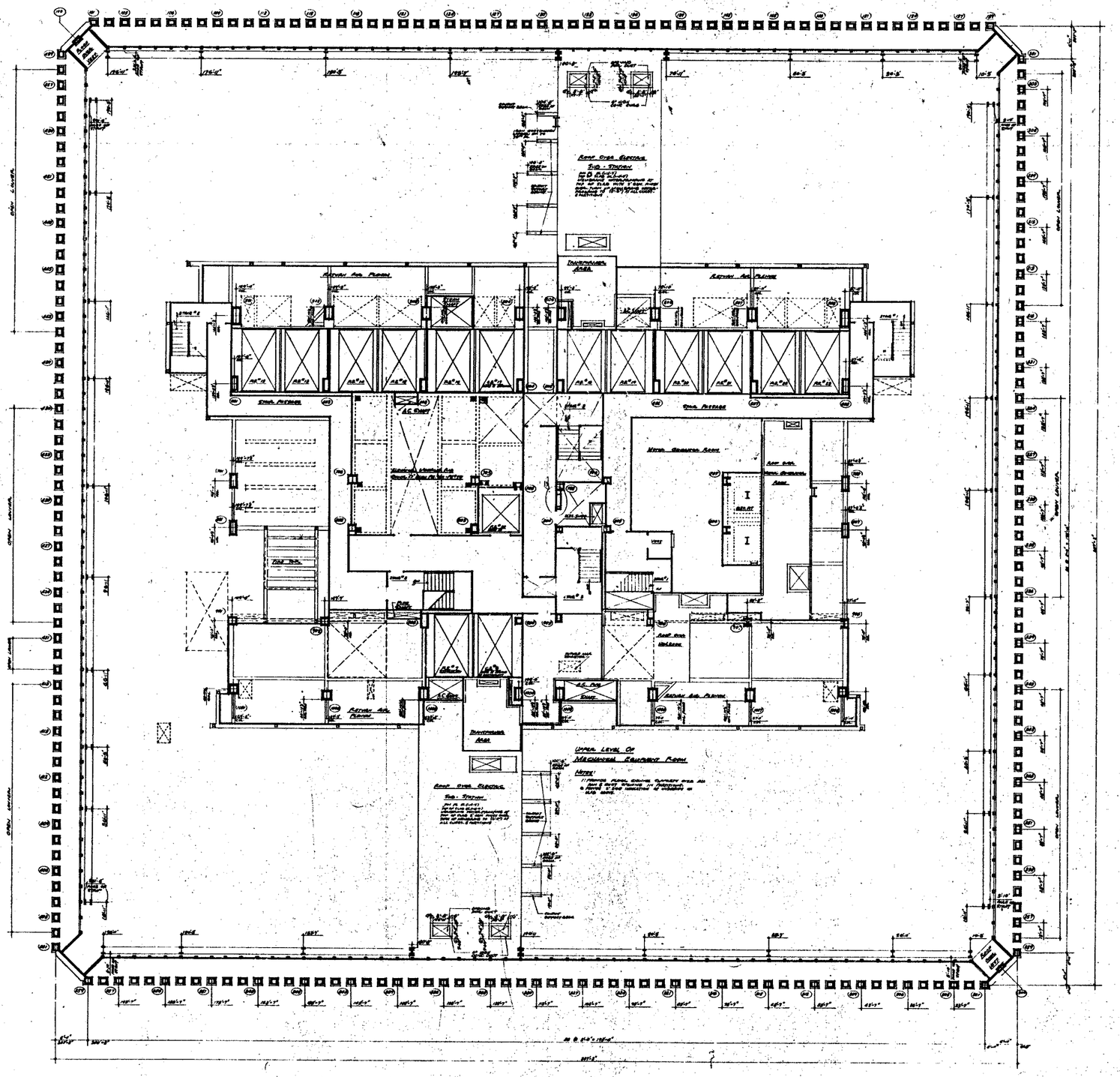
THE PORT OF NEW YORK AUTHORITY
PIPING, UTILITIES, FOUNDATIONS

TITLE: 75TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM. LEVEL

SCALE: 1/8" = 1'-0" | DATE: 7-31-72

DRAWN | CHECKED | APPROVED

DRAWING NO. A-A-122



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING "A-1.1" TO A-1.6
2. FOR COMPLETE DIMENSIONS AND NOTES, IN CORE AREA SEE "A" SERIES CORE DRAWING "A-1.10A"
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE REFLECTIVE CEILING DRAWINGS.
5. FOR TYPICAL TOWER DETAILS SEE DRAWING A-2.1-100 AND A-2.1-200.
6. HOSELINE OF OVERHEAD CYLINDER JELF CEILING FAN, EXACT AS TO CLARITY, STAIR, PASSAGES ETC.; BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 6'-8" ABOVE FINISH FLOOR, TO ALLOW FOR POSSIBLE DOOR INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

CONTRACT NO.	DRAWING	date 8-1-68	
	6	4-15-74	A-306
	5	6-18-71	A-106
	4	11-6-70	A-107
	3	3-5-70	A-29
	2	1-30-70	A-27
	1	5-23-69	A-27
		5-23-69	A-25
6	6-4-79	6-619	L.J.
5	10-8-75	A-548	L.B.
4	1-16-75	A-316	DB

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
3	3-15-68		JWL

REVISIONS

BULLETIN NOT DATED ARE IN THE PROCESS OF COMPLETION

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 76TH FLOOR PLAN
Upper Mech. Equip. Rm. Level

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	8-1-68
TRACED		DATE	
PROJECT LEADER		SHEET	OF

DRAWING NUMBER: A-A-123

1/16"=1'-0" scale 0 2 10 15 30 feet

ROOF OVER ELECTRIC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

STEAM SHAFT

STAIR PASSAGE

A.C. SHAFT

CORRIDOR

ELEVATOR MACHINE RM.

MOTOR GENERATOR RM.

ROOF OVER MOTOR GENERATOR RM.

ELEV. PIT

A.C. PIPE

FIRE HOSE RACK

PIPE SHAFT

NORTH

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS SYMBOLS, ABBREVIATION, PAINTING SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-5
2. FOR COMPLETE 'U' SHAPE FLOOR PLAN SEE DRAWING # A-A-125
3. ALL ELEVATION SHOWN THUS (94'-0") ARE TAKEN IN RELATION TO ASSIGNED 30'-0" FL.
4. FOR MECHANICAL AND ELECTRICAL CAPACITIES, SIZES, ALTERATIONS SEE ENGINEER'S DRAWINGS.
5. ALL SUSPENDED CEILING ELEVATIONS ARE TAKEN IN RELATION TO ASSIGNED 30'-0" FL.
6. FOR TYPICAL STAIR DETAILS SEE DWGS. # A-A-206 AND A-A-208.
7. HANDLE ON SUSPENDED CEILINGS ARE CALLED FOR, BOTH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT DOWNS.
8. CANTS ARE REQUIRED ON ALL BEAM INTERSECTIONS OVER 45° (NORMAL (CANTILEVER) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-206 TO A-A8-212.

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES:

1. FIGURES PLACED CHANNEL SUPPORTS REF.
2. ALL R/W / DUCT OPENINGS IN PARTITIONS SEE DWG. A-A8-111
3. FIGURES 6" CLEAR ABOVE FINISH OF CONCRETE OR SLAB ABOVE.

1/8"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE 5-1-68

NO.	DATE	BUL. NO.	BY
6	6-6-75	A-619	LJ
5	10-2-73	A-593	LB
4	8-27-71	A-562	DT
3	11-2-70	A-471	LW

REVISIONS

NO.	DATE	BUL. NO.	BY
8	2-2-70	A-49	LW
7	1-30-70	A-47	EC
6	5-23-69	A-27	Comb.
5	5-23-69	A-17	Comb.
4	5-23-69	A-23	Comb.
3	11-1-68	A-11	MM
2	8-1-68	A-10	PHS
1	6-28-68	A-8	PHS
0	4-29-68	A-7	PHS
0	5-15-68	A-6	LWL

REVISIONS

REGISTERED ARCHITECT — RICHARD ROTH

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

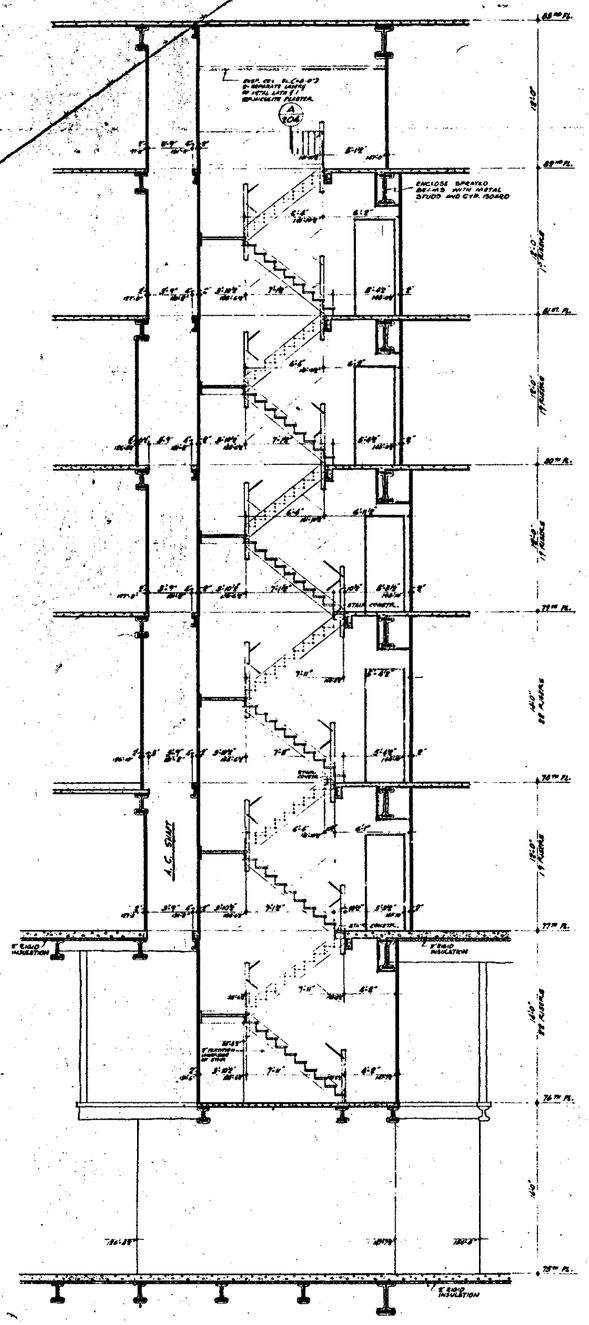
THE PORT OF NEW YORK AUTHORITY

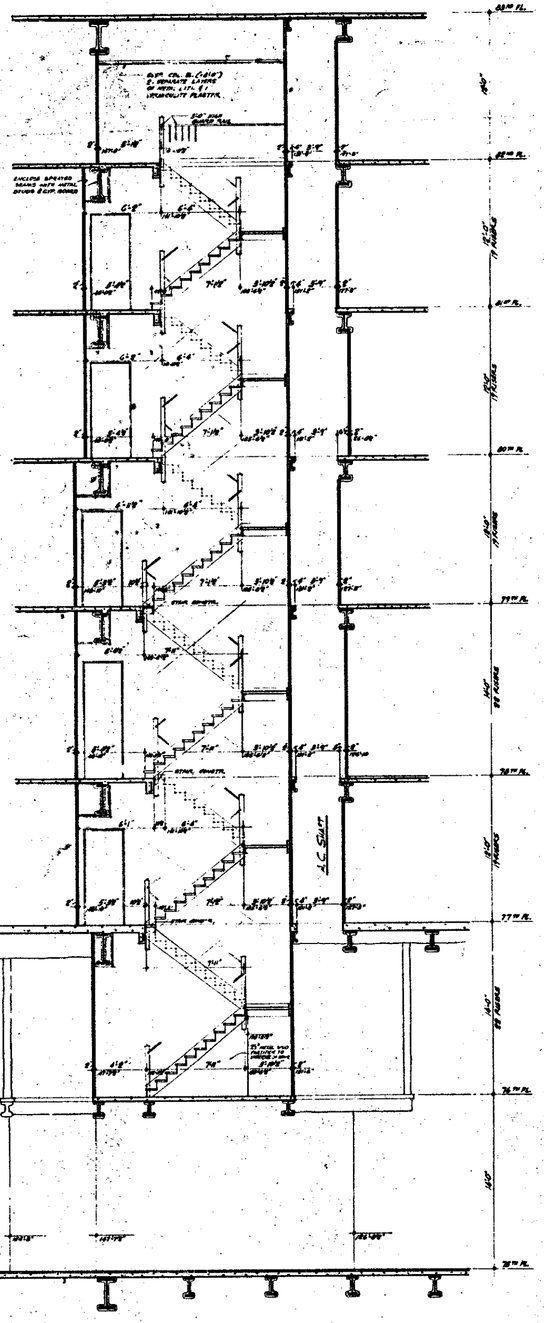
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
"NORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORINO & ASSOCIATES — ELECTRICAL ENGINEERS
TAMS, RAUM & DOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 76TH FLOOR CORE PLAN
UPPER MECH EQUIP RM LEVEL

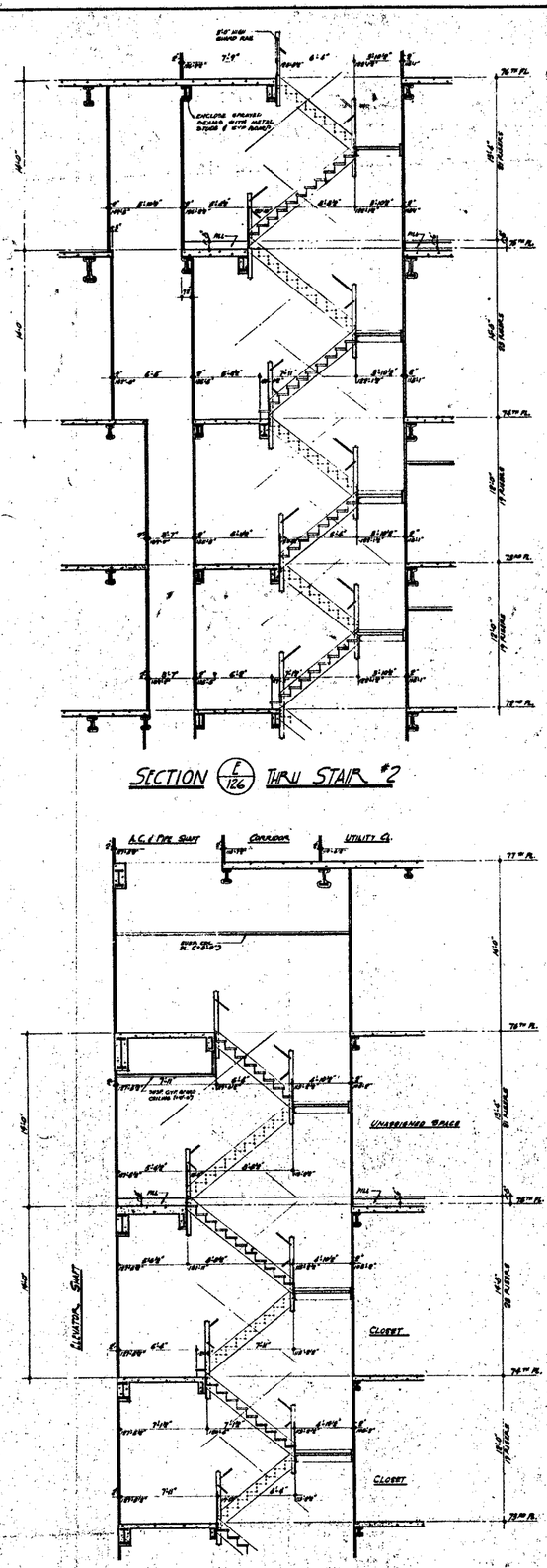
DRAWN	LJ	CHECKED	
SCALE	1/8"	DATE	7-21-67
APPROVED		SHEET	OF
DESIGNED			

A-A-124

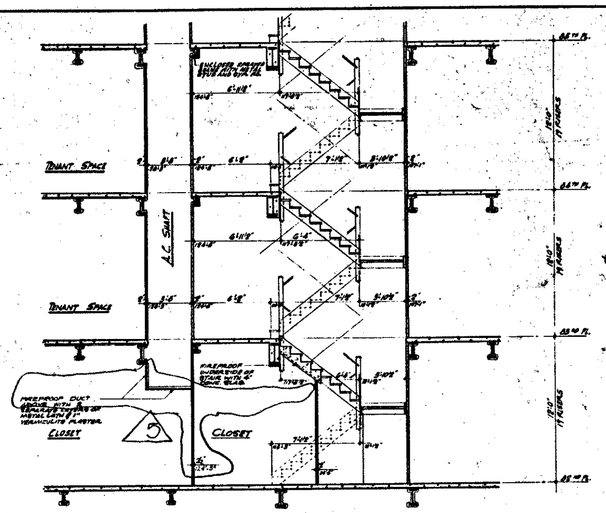

A.C. SHAFT
ENCLOSE SPACE TO BE RATED WITH METAL STUDS AND GYP. BOARD
STAIR CONSTR.
5'-0" HIGH GUARD RAIL
5'-0" HIGH GUARD RAIL
5'-0" HIGH GUARD RAIL



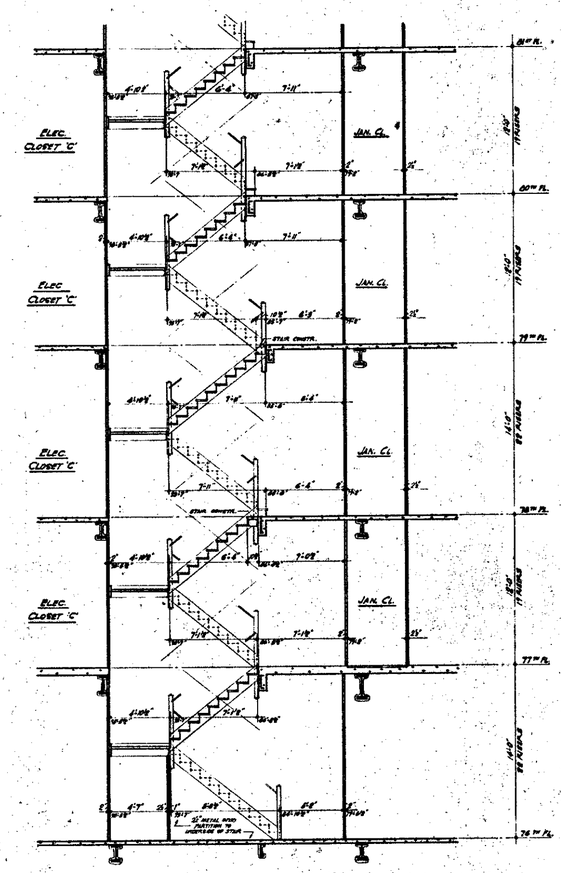
SECTION (D/126) THRU STAIR #2



SECTION (G/126) THRU STAIR #3



SECTION (F/126) THRU STAIR #2



SECTION (H/126) THRU STAIR #3

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-5
2. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOORS.
3. FOR TYPICAL STAIR DETAILS SEE DWG A-A-204 AND A-A-205
4. WHERE HD EXTENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FURRING AND SUSPENSION SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR, TO ALLOWED FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER TWO NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS -.
6. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6-206 TO A-A6-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
3	8-1-71	A-125	ELEV.
2	1-30-70	A-39	L.W.
1	6-23-69	A-17	STAIR
3	8-1-68	A-10	DWG.
2	6-28-68	A-5	DWG.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

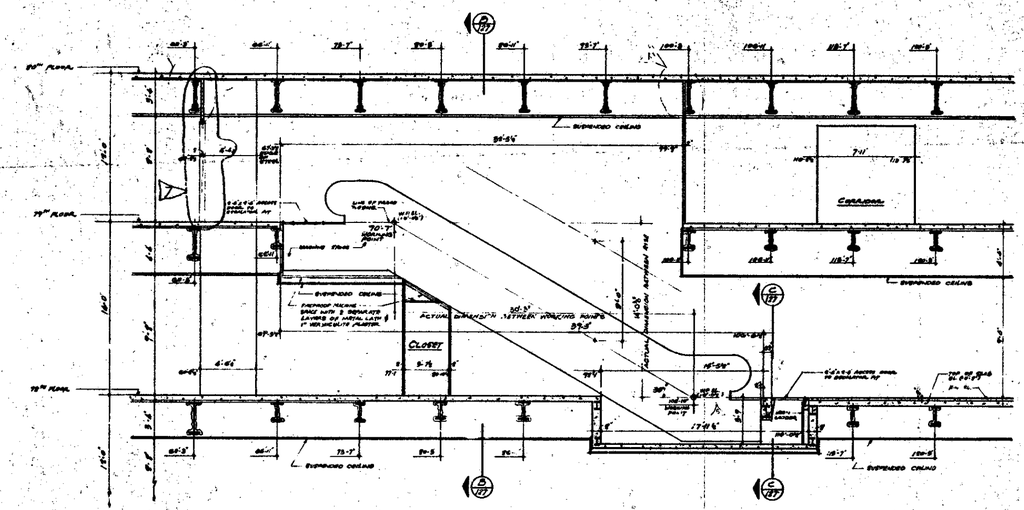
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

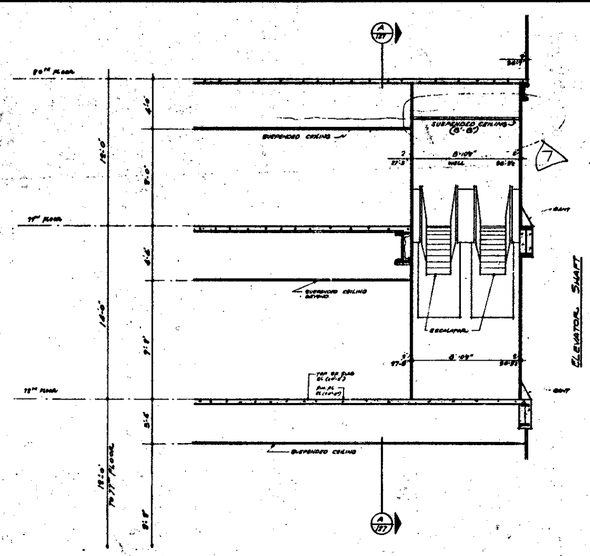
TITLE: STAIR SECTIONS
STAIR #2 & #3

1/8"-1'-0"

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-126		



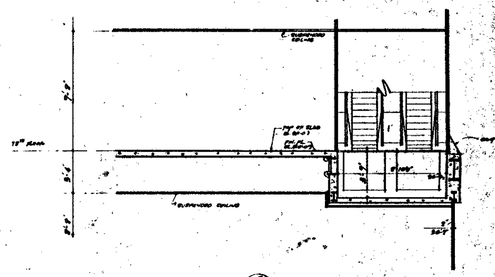
SECTION (A/127) THRU ESCALATOR A-9 & A-10



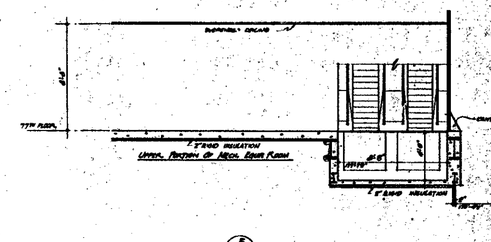
SECTION (B/127)

NOTES:

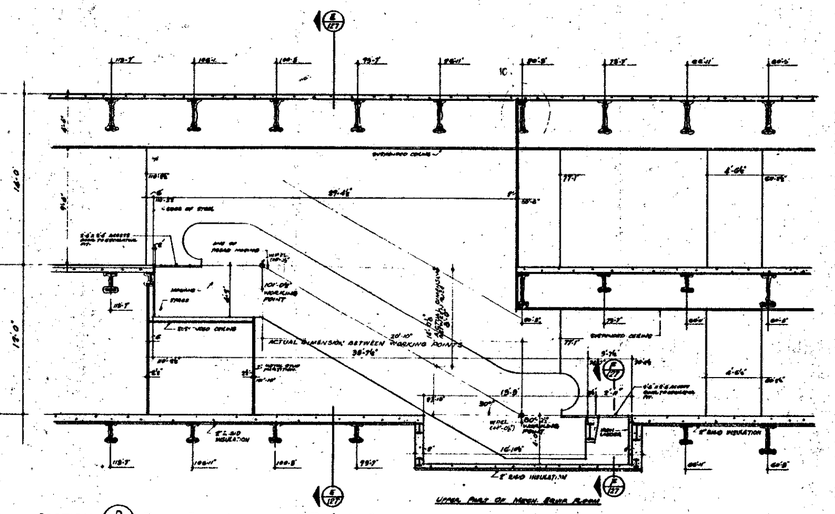
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLANT SCHEDULES, ENVIRONMENTAL GRAPHICS AND SCHEDULES OF FINISHES SEE DRAWINGS A-4.0.1 TO A-4.0.5.
2. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISHED FLOORS.
3. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROPRIATE ENGINEERS DRAWINGS.
4. FINISH FLOOR ELEVATIONS AND TOPS OF PLAN ELEVATIONS FOR DEPRESSED CONCRETE SLABS OR MATTS.
5. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG. A-4.0.2.
7. CURBS ARE REQUIRED ON ALL SHAFT PENETRATIONS OVER 6'0" NOMINAL (EXCEPTING DOOR OPENINGS IN ELEVATORS, SHAFTS AND STAIRS AS INDICATED) AND SHALL BE MAINTAINED 3'0" FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR ESCALATOR DETAILS, FINISHES, AND ADDITIONAL SECTIONS SEE DWG. A-4.0.2 TO A-4.0.5.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0.2 TO A-4.0.5.



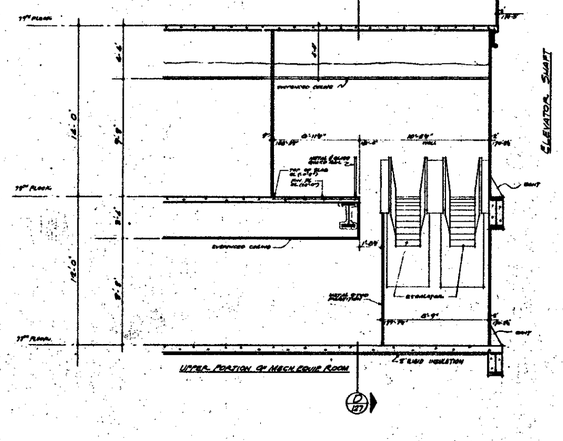
SECTION (C/127)



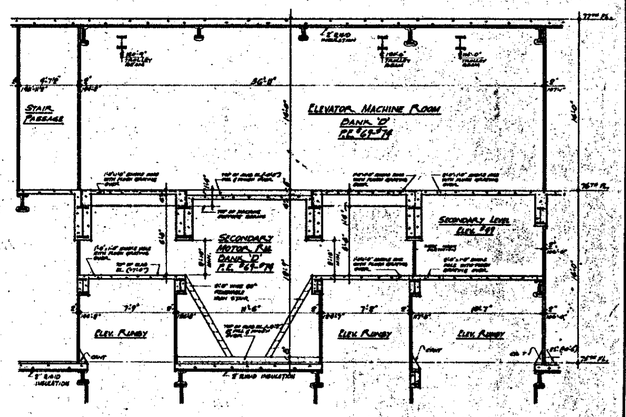
SECTION (F/127)



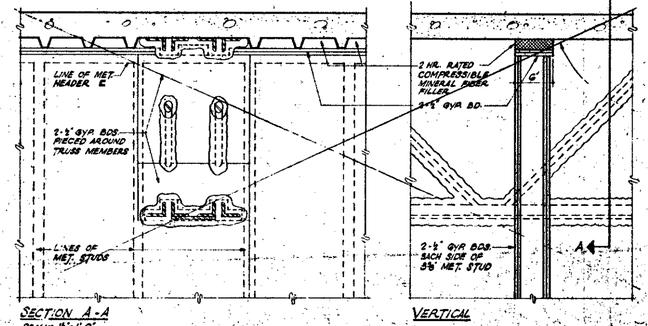
SECTION (D/127) THRU ESCALATOR A-7 & A-8



SECTION (E/127)



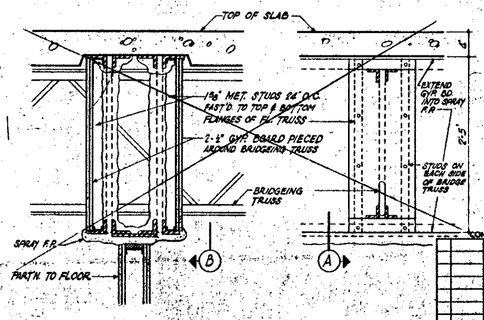
SECTION (G/127) THRU ELEVATOR MACHINE ROOM



SECTION A-A
SCALE: 1½"=1'-0"

VERTICAL

DETAILS (H/127) OF TWO HOUR PARTITION AT TRUSS PENETRATION



TYPICAL TRUSS SECTION A

BRIDGEING TRUSS SECTION B

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
A			L.J.
A	3-19-74	A-399	L.J.
A	7-17-73	A-345	L.J.
A		A-1064	L.C.
A	6-18-71	A-1064	D.P.
A	1-30-70	A-49	L.J.
A	5-23-69	A-17	[illegible]
A	5-23-69	A-23	[illegible]
A	8-7-68	A-10	[illegible]
A	6-20-68	A-8	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

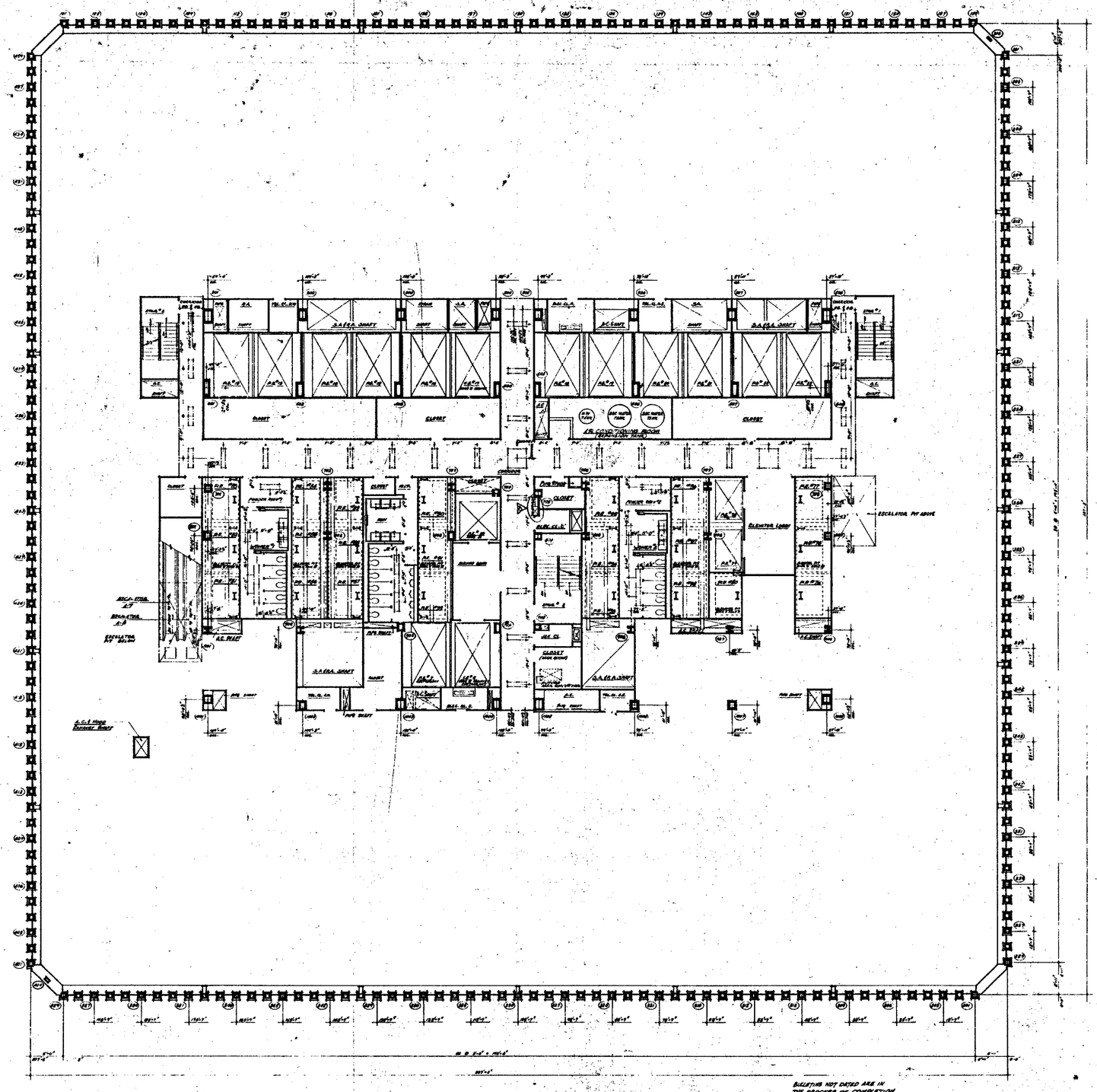
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR MACHINE ROOM & ESCALATOR SECTIONS
DRAWING NO. & TITLE: ESCALATOR A-7, A-8, A-9, A-10

DRAWN		CHECKED	
SCALE	1/2"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-127		


NORTH
ESCALATOR PIT ABOVE
ELEVATOR LOBBY
CLOSET
CLOSET (WIRE MESH)
SERVICE SHAFT
A.C. SHAFT
SERVICE SHAFT
SERVICE SHAFT
SERVICE

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, HATCHES, ABBREVIATIONS, PAPER SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-5.
2. FOR CONDITIONS OF GRADE PLANES, PLAZA AND MALL SEE DWG. A-A-1100.
3. ALL ELEVATIONS GIVEN THUS (+9'-0") ARE IN RELATION TO WATER PLANE.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESTRICTIVE EMBRACING DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-1101 AND A-A-1102.
6. ALL FLOOR SLABS TO BE SLOPED 1/2" AT PERIMETER SIDE OR REAR WALL, 1 INCH OR 2'-0" WITH 1 SPLAY-ON TYPE OF WATERPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPLIED SHOP DWGS. FOR LOCATION & DEPTH OF TRENCH HEADERS & WATERPROOFING.
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATION ARE (SHOP) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. GIVE ALLOWANCE OF $100 EACH FOR JANITOR'S ACCESS DOOR TO RISER SERVICE VALVES TO BE LOCATED IN ACCORDANCE WITH THE COLORING. SEE TYPICAL TOILET DETAILS, DWG. A-A-1101.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CORRIDORS, STAIRS, MECHANICAL ETC., BOTTOM ELEVATION OF ALL PIPING AND SPRINKLERS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSULATION AND CLEARANCE OF ALL 7'-0" DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS [illegible]
11. GRATE AREA PROVIDED ON ALL AREAS FINISHED OVER 20" ABOVE (EXTERIOR) CONCRETE IN DEPRESSED AREAS AND SHALL BE MINIMUM 70% FREE AREA/PANEL. SEE TYPICAL DETAILS.
12. FOR PREFABRICATION OF PIPES STRAPS, HANGERS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AA-1101 TO A-AA-1105.

Column Details

BULLETINS NOT DATED LIKE IN THE PROGRESS OF COMPLETION

CONTRACT	BID	DRAWING	date 9-1-66
		1-20-70 A-B	A-3
		1-20-70 A-66	L-4
0-4-76 A-619	L-J	1-20-70 A-47	EC
6-18-71 A-1164	D-T	6-25-69 A-51	D-L
6-18-71 A-1165	D-T	9-15-69 A-56	D-L
9-1-71 A-1125	D-T	6-25-69 A-17	D-L
10-6-70 A-107	L-H	6-26-69 A-25	D-L
11-4-70 A-108	L-H	8-1-70 A-40	DG
2-15-70 A-97	A-L	6-20-68 A-15	DG
5-15-70 A-75	A-H	8-8-68	D-L

THIS DATE DWG. NO. BY — REVISIONS — THIS DATE DWG. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

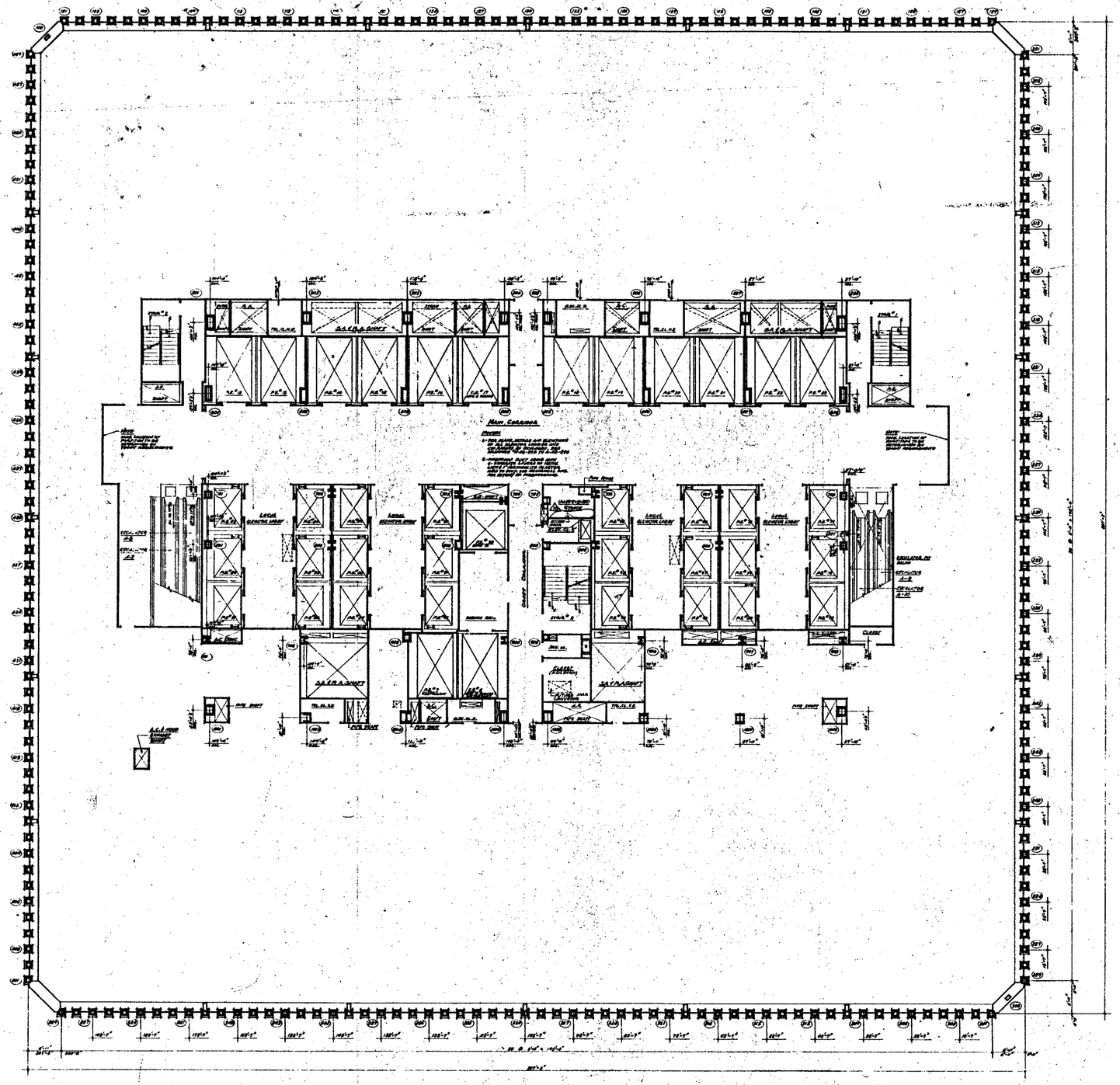
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL/ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 77TH FLOOR CORE PLAN
LOWER REGULATOR LEVEL

1/8"=1'0"

DRAWN — CHECKED —
SCALE 1/8"=1'0" — DATE 7-31-67
PROJECT ENGINEER — SHEET OF
DO NOT SCALE PRINTS

A-A-129


NORTH
MAIN CORRIDOR
LOCAL ELEVATOR LOBBY
EXPRESS ELEVATOR LOBBY
SKY LOBBY
EXPRESS ELEVATORS A-2
EXPRESS ELEVATORS A-10
SERVICE CORRIDOR
SERVICE ELEVATOR LOBBY
SERVICE ELEVATORS
SERVICE ELEVAT

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS AND SYMBOLS SEE DRAWING A-0.00.
2. FOR COMPLETE 9" SCALE FLOOR PLAN SEE DRAWING A-2.1.00.
3. ALL ELEVATIONS SHOWN THUS (EL=0'-0") ARE IN RELATION TO MAIN DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERSPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-2.0.4-0.4.
6. ALL TRENCH HEADERS TO BE FABRICATED AT UNDERSIDE OF SLAB FOR A SMOOTH OR "FLAT" TYPE A SLAB OR FASTENED TO SIDE OF SLAB FOR A GIRDER TYPE SLAB. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL RACEWAY AND CONDUCTORS. SEE ELECTRICAL ENGINEERS DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FABRICATION.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE FOUR DISPOSABLE PAPER TOWEL AND NAPKIN TOILET DISPENSERS OVER ALL LAVATORY SINKS TYPICAL TOILET DETAILS, SHEETS A-2.0.4 AND A-2.0.5 FOR SIZE AND LOCATIONS.
9. WHERE NO DIMENSIONS OR NOTES ARE GIVEN FOR INCH AS IN CLOSETS, DRAIN, FLOOR ETC., ALWAYS ALLOW 1/2" ALL PARTS AND SHUTTERS SHALL BE FINISHED AT 6'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING. SEE ELEVATIONS OF FACE FOR EXACT HEIGHT USED.
10. SEE ALSO DRAWINGS ON ALL BEAM PENETRATIONS FOR MECHANICAL (PERSPECTIVE) AND ELECTRICAL (PERSPECTIVE) WORK SHALL BE COORDINATED WITH THE TYPICAL REPORT.

MAIN CORRIDOR

NOTES:

1. FOR MAIN, REMOTE AND ELEVATIONS OF ALL ELEVATOR LOBBIES AND MAINTENANCE OF ENTRANCE, SEE DRAWINGS A-2.0-.003 TO A-2.0-.006
2. FIREPROOF DUCT WORK WITH 2" PERIMETER CLOSE TO CEILING, SEE DRAWING A-2.0-.003 FOR TYPICAL DRAWING FOR DETAIL OF PROVISIONS

LOCAL ELEVATOR LOBBY

CLOSE CORRIDOR

S.E.R.A. SHAFT

A.C. SHAFT

STAIR #2

STAIR #1

ESCALATOR A-7

ESCALATOR A-8

ESCALATOR A-10

ESCALATOR A-9

A.C. & HOOD EXHAUST SHAFT

CONTRACT NO.	DRAWING	date 5-1-68
	11-6-70	A-0.0
	11-6-70	A-0.1
	5-15-72	A-0.3
	5-15-72	A-0.4
C-8-71 A-341	1-10-70	A-0.7
C-1-72 A-367	5-25-68	A-2.0
C-12-72 A-800	5-25-68	A-2.1
C-8-71 A-1166	5-25-68	A-2.2
C-8-71 A-1166	8-1-68	A-2.3
C-1-71 A-1165	6-24-68	A-2.4

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PATTERN, UTILITIES, FOUNDATIONS

TITLE: 78th Floor Core Plan

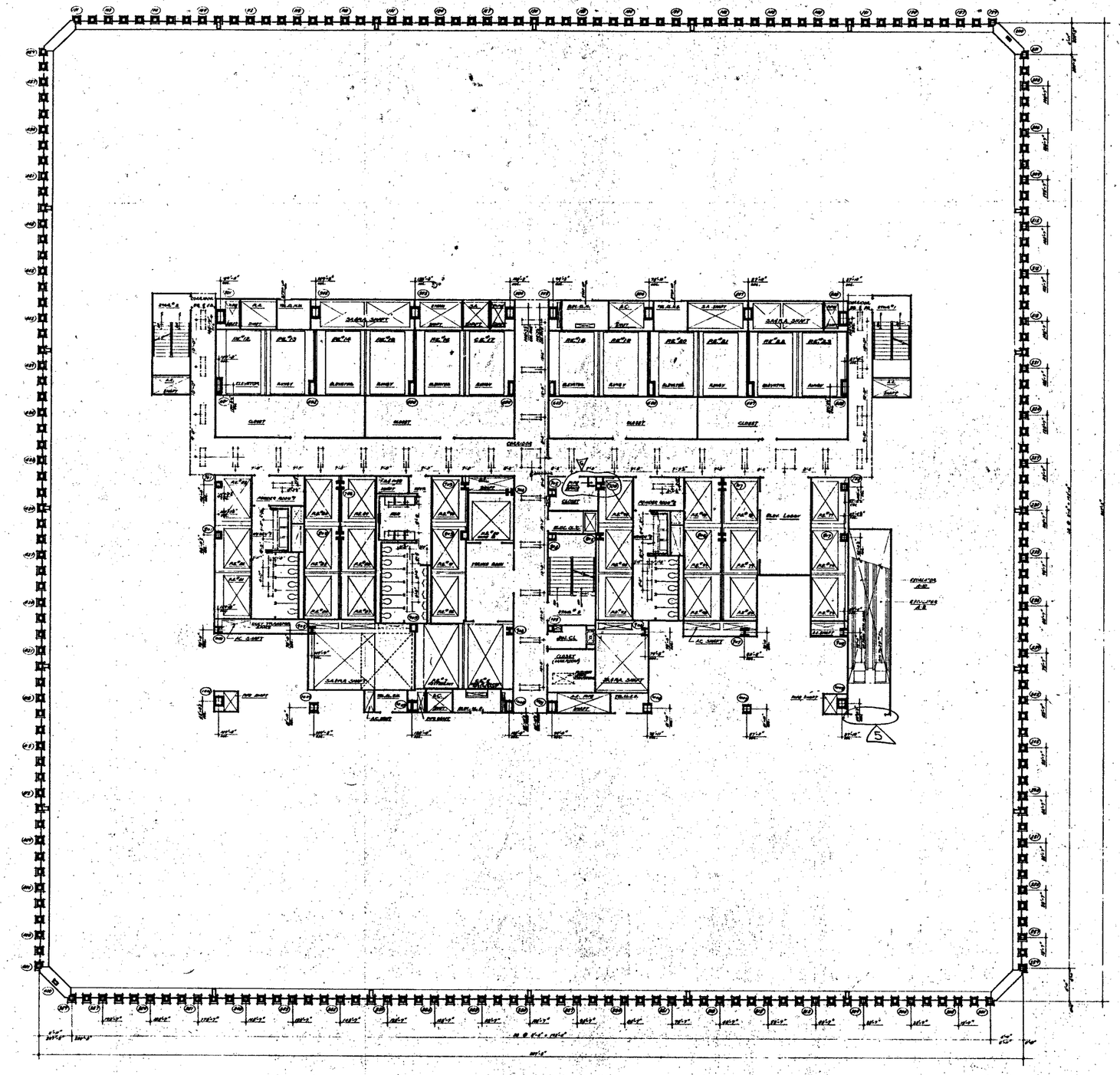
SCALE: 1/16" = 1'-0"

DRAWN | CHECKED

SCALE | DATE

PROJECT | SHEET

A-A-171



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, ROOM NUMBERS AND SCHEDULE OF DRAWINGS, SEE DRAWING A-A-1 TO A-A-6.
2. FOR DIMENSIONS AND NOTES IN ROOMS SEE 'A' SERIES AND 'INTERIOR' A-I SERIES.
3. ALL DIMENSIONS OVER TWO FEET (2'-0") ARE TO ANSWER TO FACE OF WALL.
4. ALL ARCHITECTURAL AND MECHANICAL LEGENDS AND DEFINITIONS APPEARING ELSEWHERE.
5. ALL TRENCH HEADERS TO BE PROVIDED AT LOCATIONS OF SLAB PENETRATIONS FOR A WIDTH OF 2'-0" OVER A SPECIFIED TYPE PENETRATION. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE ENCLOSURE & CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADER AND PENETRATION.
6. CURTAIN WALL TYPICAL LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF HEAD ELEVATIONS ARE FLOOR TO FLOOR STRUCTURAL DIMENSIONS. NO SUSPENDED CEILINGS ARE CALLED FOR EXCEPT AS SHOWN. OTHER CEILINGS WILL BE SHOWN ON REFLECTED CEILING PLANS. ALL DOOR OPENINGS AND DOORWAYS SHALL BE HEIGHTENED AT SUCH ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. EXTENT OF PUBLIC CIRCULATION AREAS IS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. PLANNING SCALE 1:1-16

NO.	DATE	SUBJ. NO.	BY
1	6-1-71	A-103	L.L.
2		A-104	L.C.
3	6-18-71	A-104	D.T.
4	6-18-71	A-104	D.T.
5	1-20-72	A-53	F.L.
6	5-25-72	A-17	[illegible]

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" scale

TITLE: 79TH FLOOR PLAN
UPPER ESCALATOR LEVEL

DRAWN | CHECKED
SCALE 1/8"=1'-0" | DATE 1-20-72
PROJECT | SHEET OF

DRAWING NUMBER A-A-132

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, CODES, SCHEDULES AND SCHEDULES OF DRAWINGS SEE A-1 TO A-4.
2. FOR COMPLETE 79TH FLOOR PLAN SEE DRAWING # A-2-1337.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.1-1004 AND A-2.1-1005.
6. ALL TRENCH BACKFILLING TO BE PERFORMED AT UNDERFLOOR LEVEL FOR A DISTANCE OF 6'-0" WITH A GRADE OF 1% TOWARDS THE PERIMETER. ALL CONDITIONS NOT SHOWN TO BE BACKFILLED AS DIRECTED BY CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH BACKFILL AND PAVING.
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN IN METRES EXCEPT WHERE SHOWN AS METRES.
8. PROVIDE SOUND ENCLOSURES AT ALL PAY PHONE BOOTHS. THE ENCLOSURE, 1' EACH CENTRE-ACCESS DOOR, TO SUIT EXPERIENCE, MUST TO BE LOCATED IN ACCORDANCE WITH TELEPHONE CO. REQUIREMENTS. CHIEF DETAIL DWG. # A-1.15-101.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., BOTTOM ELEVATION OF PIPING AND DUCTWORK SHALL BE PLUMBED AT A HEIGHT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF 2.44 METRES ABOVE.
10. EXTENT OF PUBLIC CORRIDOR, CEILING TO BE AS NOTED THUS:
11. COUNTS ARE REQUIRED ON ALL DOOR PROVIDING OVER 50 PERSONS (EFFECTIVE) EGRESS CAPACITY. OUTSTEP SHALL BE OF CONTRASTING COLOUR AND HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FURRING AS REQ. SEE STRUCTURAL COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.1-1003 TO A-2.1-1015.

BUILDING NOT OPENED FOR USE IN THE PREMISES OF COMPLETION

CONTRACT	BID DRAWING	date 5-1-68	
		5-13-70	A-75
		1-30-70	A-82
		1-30-70	A-83
		1-30-70	A-87
		5-15-69	A-81
		5-15-69	A-86
		5-15-69	A-17
		5-15-69	A-85
		5-1-68	A-10
		5-22-68	A-5

REVISIONS

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 11

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

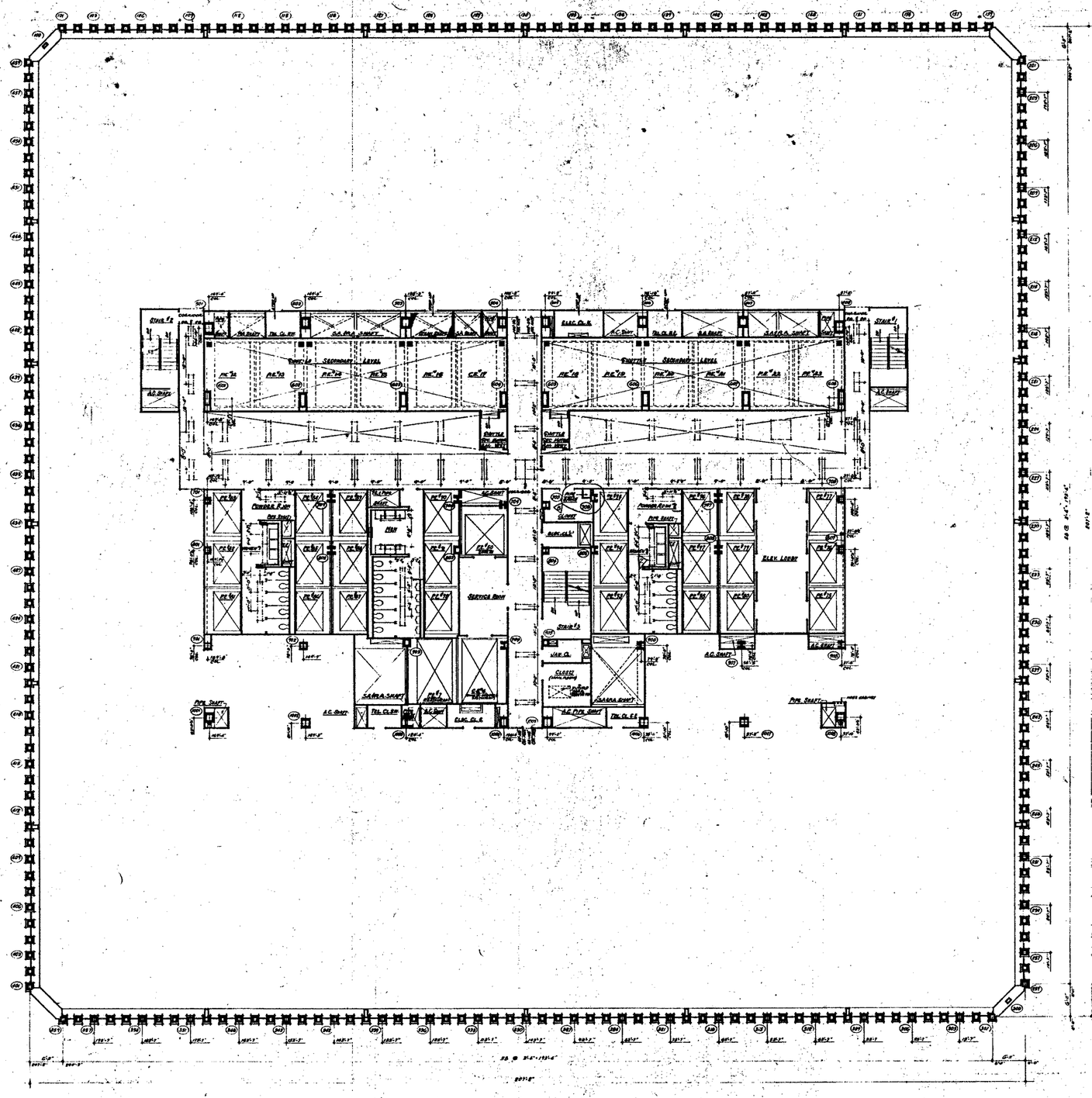
JOSEPH W. LORING & ASSOCIATES
SOILS & GEOLOGICAL ENGINEERS

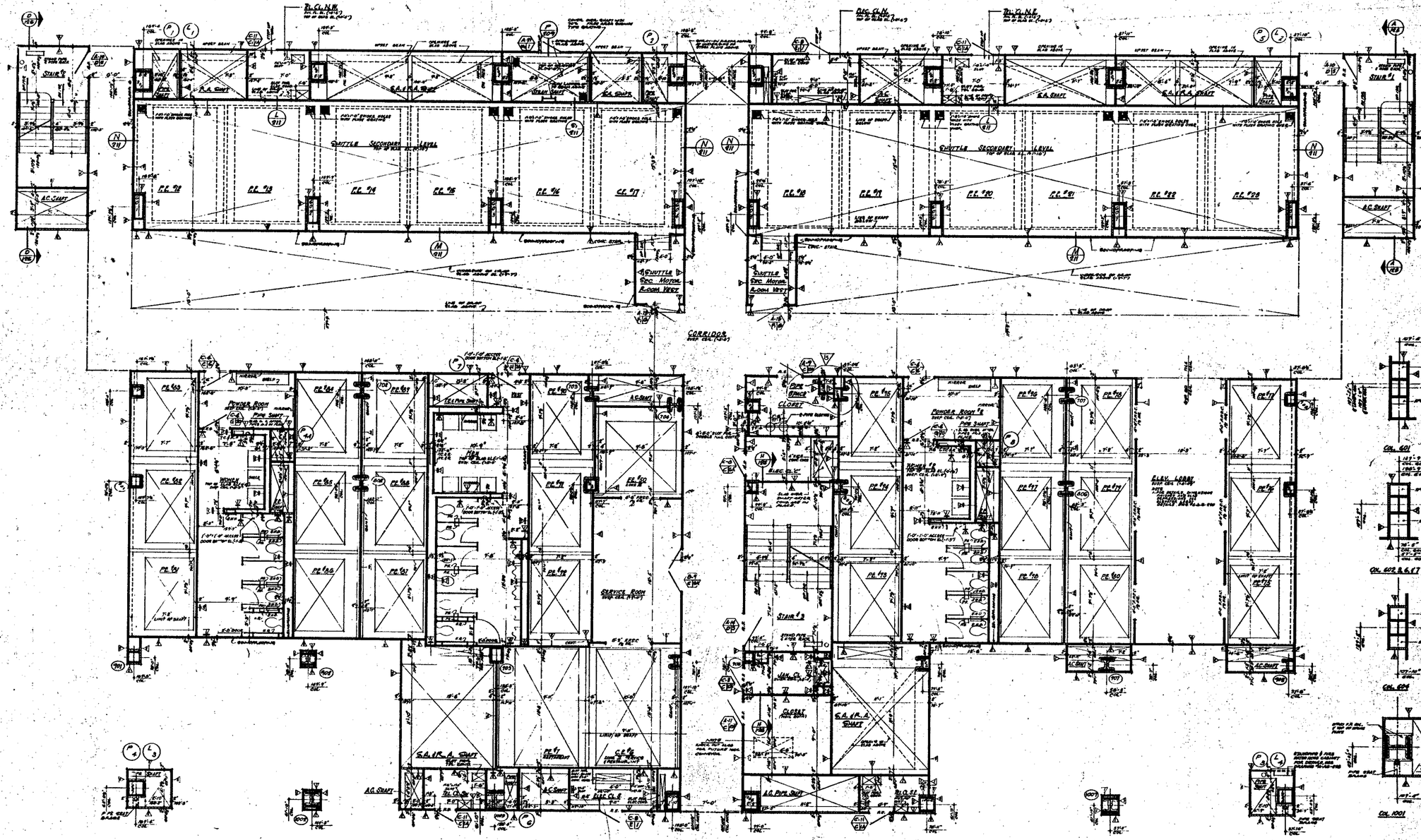
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"-1'0"

TITLE: 79TH FLOOR CORE PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-30-68
PROJECT ENGINEER		SHEET	OF
DRAWING NO.	A-A-1337		


STAIR #2
STAIR #1
SECONDARY LEVEL
SECONDARY LEVEL
SERVICE AREA
SERVICE AREA
ELEC. CL. R.
TEL. CL. R.
A.C. SHAFT
SAN'A. SHAFT
SAN'A. SHAFT
A.C. SHAFT
A.C. SHAFT
A.C



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF SHEET, SEE SHEET A-0-1 TO A-0-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE SHEET A-1-154
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2-1.0-004 & A-2-1.0-005
6. ALL TRADES DESIGNED TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A HEIGHT OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND F.I.C. NUMBERS & CONTRACTORS ATTACHED SHOP DWGS FOR LOCATION & EXTENT OF TREATMENT REQUIRED AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SLOPE IMPERCEPTIBLY AT ALL NEW AND WORKING TOILETS, BAR TOPPINGS, AT SAME ELEVATION, ACUTE DOORS TO SLOP DRAINAGE UNLESS NOTED OTHERWISE
9. BE LOCATED IN ACCORDANCE WITH TILE FLOORING SEE TYPICAL TOILET DETAILS
10. INSERTS IN CONCRETE CEILINGS ARE CALLED FOR SUCH AS IN CORRETS, FINISH ACCESSORIES, ETC. BOTTOM ELEVATION OF ALL PIPING AND FIXTURES, SHALL BE MINIMUM OF 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND MAINTENANCE ACCESS. ALL EXPOSED PIPING SHALL BE PAINTED
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
12. CAULTE AP-5 APPLIED TO ALL SEAM PENETRATIONS OVER 1/4" OPENING (ATTACHED) CONDUITS, PIPES, DUCTS AND SHALL BE APPLIED TO FROM HORIZONTAL SEE TYPICAL DETAILS
13. FOR PREPARING TO PAINT STRUCTURAL CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-2-2.0-001 THRU A-2-2.0-005

COLUMN DETAILS

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO.	REVISIONS	DATE	SHEET NO.
		1	1-30-70	A-82	1.2
		2	1-30-70	A-83	1.3
		3	1-30-70	A-87	5.C
		4	5-29-69	A-31	D.5
		5	5-29-69	A-26	D.5
6-1-78	A-107	6	6-29-69	A-17	D.5
6-1-78	A-114	7	5-29-69	A-25	D.4
5-29-70	A-106	8	5-1-68	A-10	D.5
11-6-70	A-109	9	4-28-68	A-5	D.5
11-6-70	A-108	10	3-9-68		1.1.1

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

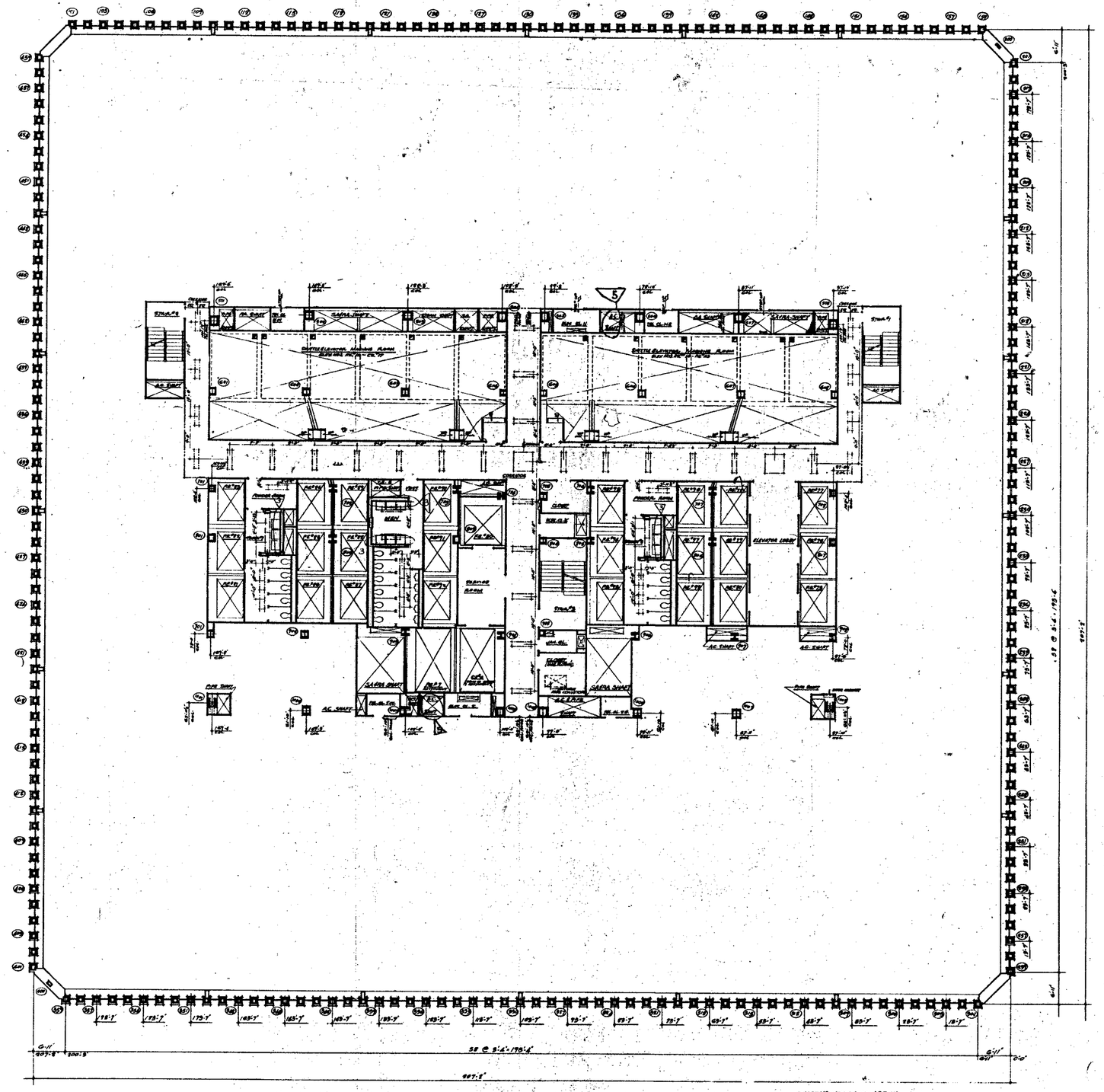
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 80TH FLOOR CORE PLAN

DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 1-30-69
PROJECT NUMBER | SHEET 1 OF 7
DRAWING NUMBER: A-A-1.154



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWINGS A-A-101.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE PRESTRESSED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRAIGHT TYPE PRESTRESSING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND PRESTRESSING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (FIN-F) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____.

BULLETINS NOT DATED ARE IN THE PERIOD OF COMPLETION

CONTRACT NO. DRAWING date 2-1-68

NO.	DATE	SUPL. NO.	BY
1	4-18-7	A-104	DT
2	11-8-70	A-119	L.M.
3	1-20-70	A-53	T.V.
4	5-15-69	A-17	E.P.C.
5	5-12-68		J.V.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY, PARKS, UTILITIES, FOUNDATIONS

TITLE: 81ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	7-21-67
PROJECT		SHEET	OF

DRAWING NUMBER: A-A-136

1/16"-1'-0" 0 5 10 20 30 40 50 60

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FIRE RESISTANCE RATINGS, ETC. SEE DRAWING "A-0.1 TO A-0.4".
2. FOR COMPLETE 81ST FLOOR PLAN, SEE DWG. "A-81.1".
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE SUBCONTRACT DWGS.
5. FOR TYPICAL STEEL DETAILS SEE DWGS. "A-0.5-1 TO A-0.5-7".
6. ALL TRENCH HEADERS TO BE FURNISHED BY CONTRACTOR OF SLAB (SEE "A-0.1 TYP. SLAB DETAILS") WITH A MINIMUM TYPE 1 CONCRETE COVER. FOR ARCHITECTURAL SYMBOLS, ABBREVIATIONS, ETC., TYPE AND MATERIAL FURNISHED & INSTALLED BY CONTRACTOR EMPLOYED SEE DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND PARTITIONS.
7. FINISH FLOOR ELEVATION +0.1" TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED.
8. REFER ENLARGED PLANS FOR ALL MECHANICAL TOILET ROOMS, DRINKING FOUNTAINS, SERVICE SINKS, ETC. ALL TOILET ROOMS TO BE EQUIPPED WITH ONE DISPENSER FOR ENTIRE FLOOR, ACCESSIBLE TO BOTH SEXES AS SHOWN ON ENLARGED PLANS.
9. FOR LOCATION OF TOILET ROOMS SEE DWGS. "A-81.1 & A-81.2".
10. PARTITIONS ABOVE CEILINGS SHALL BE CONSTRUCTED WITH TYPE "X" GYPSUM WALLBOARD AS REQUIRED BY LOCAL CODES. WHERE PARTITIONS ARE CALLED FOR AS NON-COMBUSTIBLE, STEEL PARTITIONS SHALL BE USED.
11. WHERE ENCLOSURES OF ALL PIPING AND DUCTWORK SHALL BE PROVIDED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEAN-OUTS AT ALL CONVENIENT POINTS.
12. ALL EXIT OF PUBLIC CORRIDOR, IS NOT RATED.
13. CONTR. SHALL PROVIDE ALL SLEEVES AND OPENINGS IN CONCRETE SLABS AND WALLS AS SHOWN ON SUBCONTRACTOR'S SHOP DRAWINGS. SEE ALSO NOTE 10 ON DWG. A-0.1.
14. FOR DIMENSIONS OF FIRE STAIRS, LANDINGS AND TYPICAL RISER DETAILS, SEE DWGS. A-0.5-1 TO A-0.5-7.

CORRIDOR

ELEV. LOBBY

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO.	DRAWING	date 2-9-68
	1	1-30-70	A-83
	2	1-30-70	A-87
	3	6-23-69	A-81
	4	6-23-69	A-86
	5	6-23-69	A-77
0-10-71	A-1.74	6-25-69	A-85
8-18-71	A-1.62	11-1-68	A-11
11-8-70	A-101	8-1-68	A-10
11-8-70	A-105	5-28-68	A-5
1-30-70	A-9	5-28-68	

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

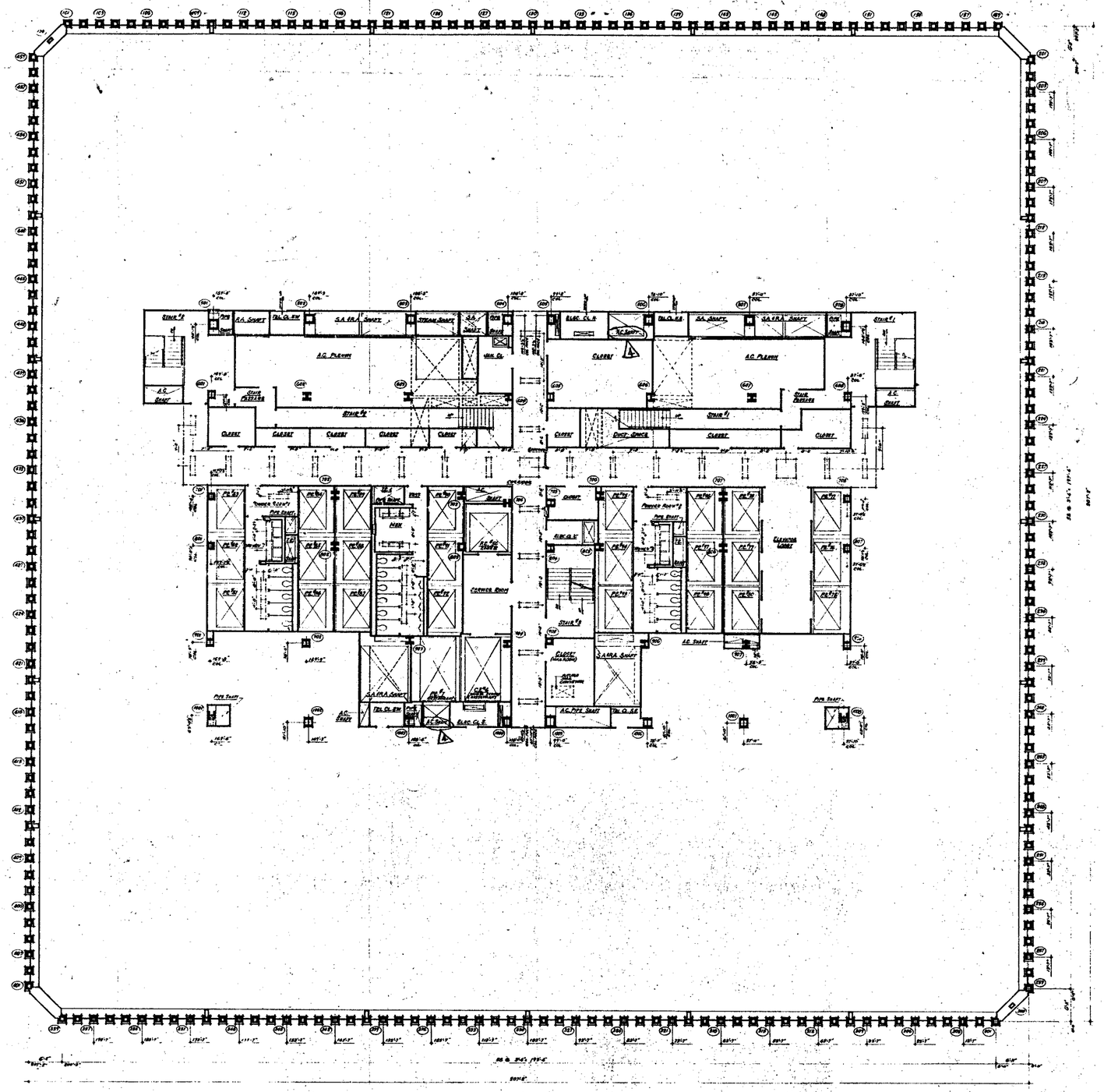
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS & SITE

TITLE: 81ST FLOOR CORE PLAN

DRAWN | CHECKED
SCALE 1/8"=1'-0" | DATE 7-8-69
PROJECT NUMBER | SHEET 85

DRAWING NUMBER: A-A-137



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS# A-1.1 TO A-1.5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING # A-1.09
3. ALL ELEVATIONS OVER TOR (1040') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" W. "K & S SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL 24"=1'-0"
7. FINISH FLOOR FITTINGS AND TOP OF SLAB ELEVATIONS ARE T.F.F. UNLESS OTHERWISE NOTED IN LEGEND OF NOTES.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR LANDINGS ETC. FURNISH ELEVATION ON ALL PLANS. SPOT LIGHTS WILL SHALL BE MAINTAINED AT 8'-6" A.F.F. IN ALL FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
6	6-8-71	A-164	D.T.
5	11-9-70	A-149	L.L.
4	1-20-70	A-58	A.B.
3	5-15-69	A-17	D.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 82nd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER	1	SHEET	82
DRAWING NUMBER	A-A-138		

NORTH

NOTES

A. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES AND SCHEDULES OF DOORS SEE DRAWINGS A-A-01 TO A-A-04.

B. FOR COMPLETE 8" SCALE PLANS SEE DWG # A-A-100.

C. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.

D. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

E. FOR TYPICAL STAIR DETAILS SEE DWG # A-A-104 & A-A-105 & A-A-106

F. ALL TRENCH HEADERS TO BE FIREPROOFED AT THICKNESS OF SLAB FOR 1 HOUR @ 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SUBC ENGINEERS & CONTRACTORS SHOP DWGS FOR EXACT LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.

G. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (-0'-0") UNLESS OTHERWISE SHOWN OR NOTED.

H. PROVIDE SUMP DEPRESSIONS AT ALL TOILETS AND NURSES TOILETS, ONE DEPRESSION 4" DEEP LOCATED ACCESS DOOR TO BE DEPRESSED TO BE LOCATED IN ACCORDANCE WITH THE FOLLOWING. SEE TYPICAL TOILET DETAILS SHEET A-A15-104.

I. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO ENSURE PROPER INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

J. EXTENT OF PUBLIC CORRIDOR, AS INDICATED THUS: [illegible]

K. CURTS ARE ASSUMED ON ALL BEAM PENETRATIONS WHEN 6" MINIMUM (8" ACTUAL) DIMENSION IN ELEVATION. BULLETS SHALL BE 4" MINIMUM (5" ACTUAL) SEE TYPICAL DETAILS

L. FOR DIMENSIONS OF PIPES STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-106 TO A-A8-116

M. EXTENT OF PUBLIC CORRIDOR, AS INDICATED THUS: [illegible]

N. CURTS ARE ASSUMED ON ALL BEAM PENETRATIONS WHEN 6" MINIMUM (8" ACTUAL) DIMENSION IN ELEVATION. BULLETS SHALL BE 4" MINIMUM (5" ACTUAL) SEE TYPICAL DETAILS

O. FOR DIMENSIONS OF PIPES STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-106 TO A-A8-116

SECTION A/139

SECTION B/139

C/139 D/139 SCALE 1/8"=1'-0"

E/139 F/139 SCALE 1/8"=1'-0"

BULLETINS NOT DRAWN HERE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-7-68	
		5	5-15-70	A-13
		4	1-30-70	A-51
		3	1-30-70	A-51
		2	1-13-70	A-47
6-18-71	A-118	1	5.28.69	A-51
6-18-71	A-104	0-1	5.28.69	A-26
6-18-71	A-105	0-7	5.28.69	A-17
9-1-71	A-123		5.28.69	A-28
11-8-70	A-118	1-1	8-1-68	A-40
11-8-70	A-120	1-2	8-28-68	A-8

NO.	DATE	DWG. NO.	BY
REVISIONS			

NO.	DATE	DWG. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

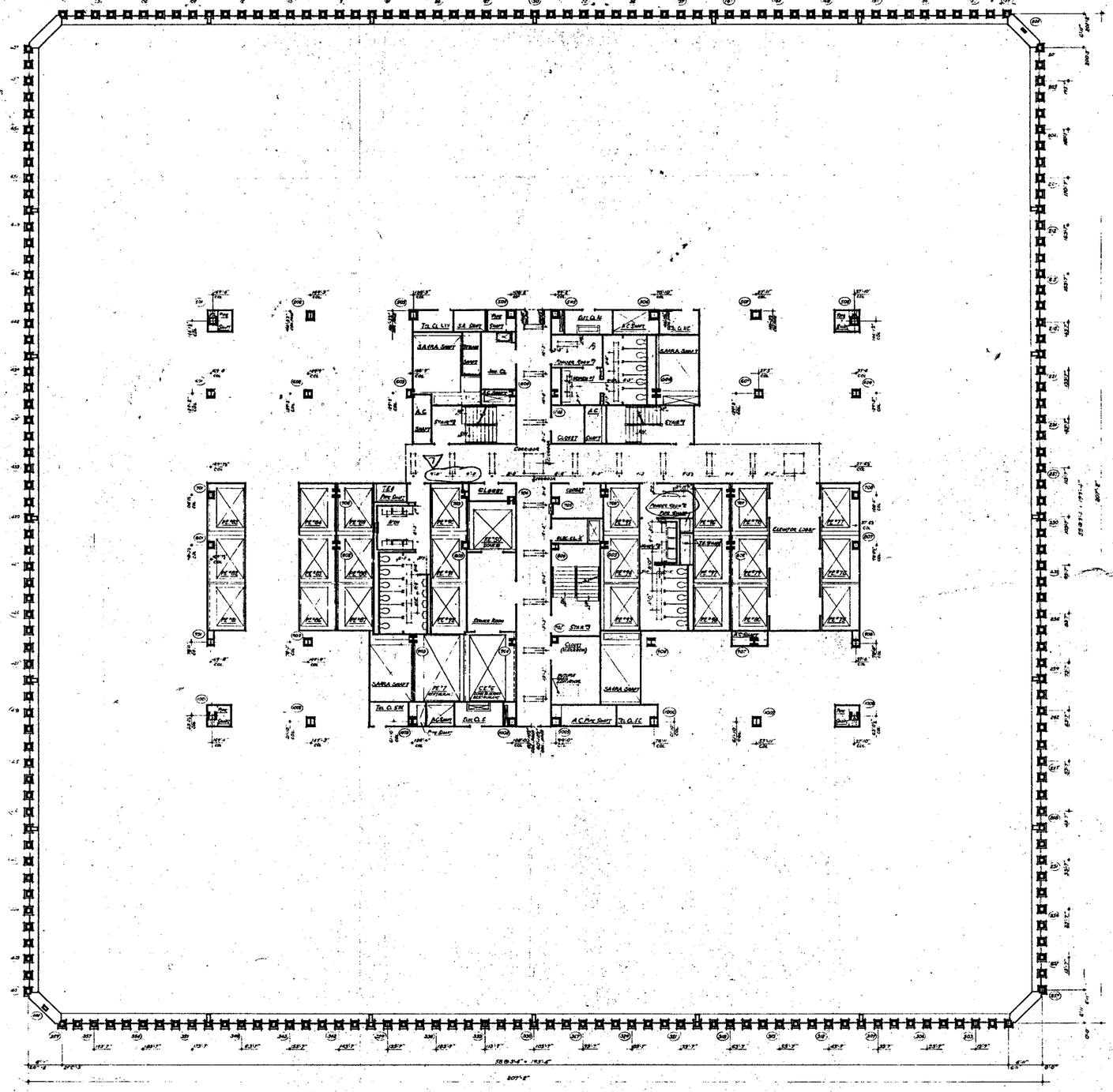
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 82ND FLOOR CORE PLAN

DRAWN		CHECKED	
NO.	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER			A-A-139



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF OTHER SEE SHEET A-A.1 TO A-A.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWING "A-A-1.4A".
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREPROOFED AT UNDERSIDE OF SLABS FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR & TOILET LIGHTING AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF FINAL ELEVATIONS ARE (721'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS & THE PASSAGE FT., ALTHOUGH ELEVATION OF ALL PIPING, M.C. DUCTWORK, SHALL BE MAINTAINED 7'-6" ABOVE FINISHED FLOORS TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

DIALETTING NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 2-1-66

NO.	DATE	DWG. NO.	BY
1	6-1-71	A-B87	LC
2	6-18-71	A-164	DS
3	6-18-71	A-150	DT
4		A-160	LL
5	1-30-72	A-88	AR
6	5-25-72	A-17	LA
7	5-22-72	A-29	LA

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 5 10 1' 20

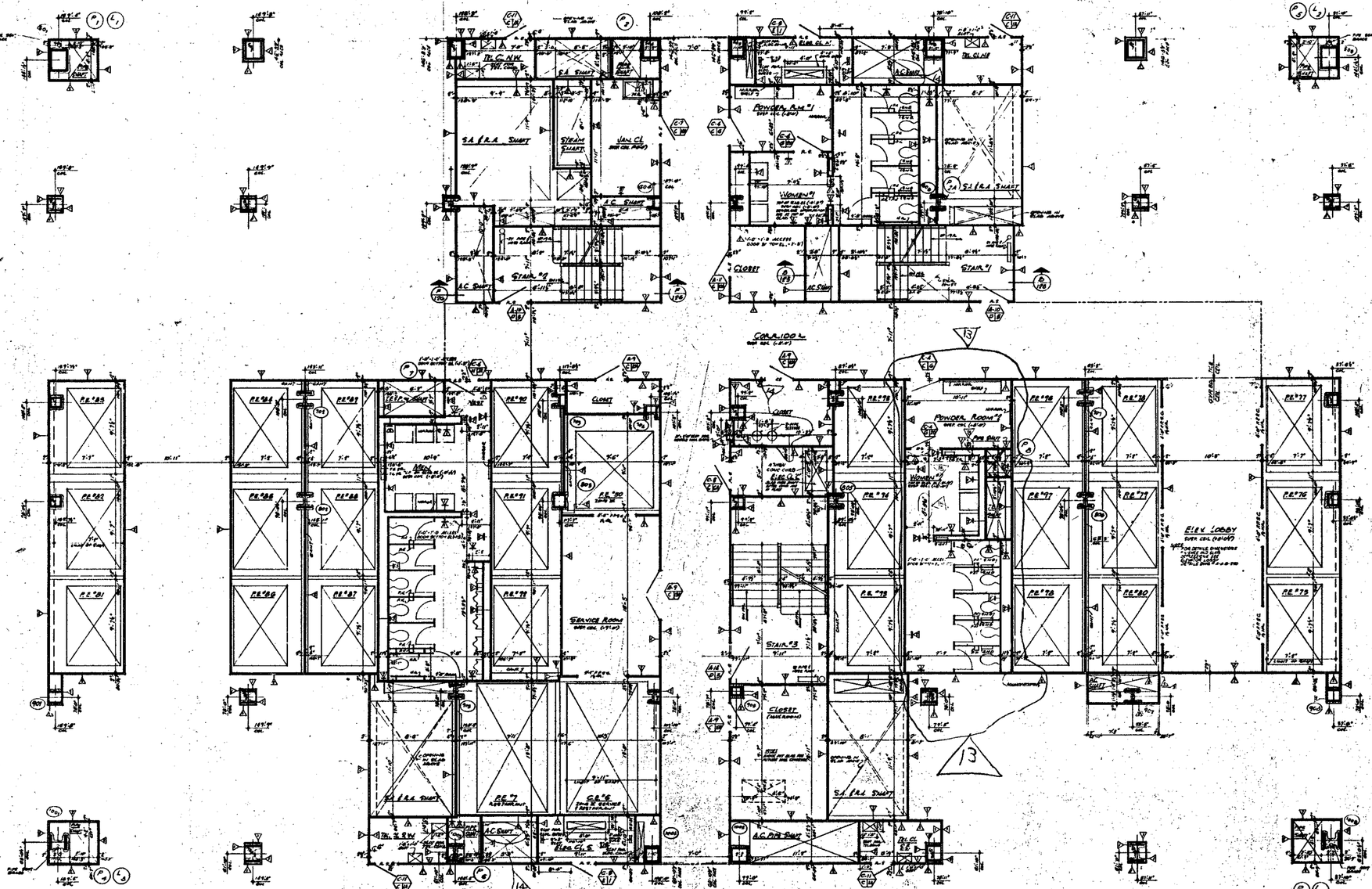
TITLE: 83rd Floor Plan

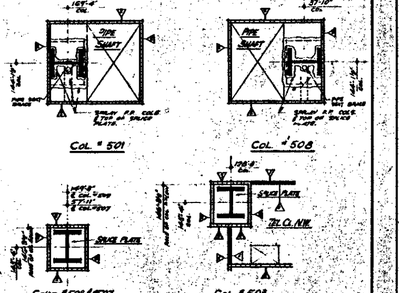
DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-31-72
PROJECT NUMBER | SHEET NO.
DRAWING NUMBER: A-A-140

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND TERMINATION OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-2.100.
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO PROJECT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-6.00A AND A-6.00B.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS AND CONTRACTORS APPROVED EQUIPMENT. FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (FOR OR SLAB ELEVATIONS) ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. POWER ROOF SUPPLIERS AT ALL MEN AND WOMEN'S TOILETS, ONE SUPPLIERS AT EACH JANITORS' CLOSETS. ALL DOORS TO SHUT-OFF VALVES TO BE LOCATED IN ACCORDANCE WITH THE EXISTING 110 TYPICAL TOILET DETAILS NOS. 1, 2, 3 & 4.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS AT CORRIDORS, STAIR LANDINGS ETC., BOTTOM ELEVATIONS OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO ENSURE FOR ENTIRE CEILING INSTALLATION AND CLEARANCE OF TALL MEDIUM PERSONS.
10. EXTENT OF PUBLIC CORRIDORS, CEILING IS INDICATED THUS: ———————
11. CANTS ARE REQUIRED AT ALL BEAM PENETRATIONS OVER 24" NOMINAL (EXTERNAL) DIMENSION IN REMOTE SHAFTS AND SHALL BE MIN. HGT. 2'0" FROM FLOOR-UP-AT. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF PIPES, STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.2B-3B5 TO A-4.2B-3T5.





COLUMN DETAILS

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	Date 8-1-68	
	11-6-70	A-108	L.J.
	11-6-70	A-68	L.J.
	1-30-70	A-51	A.B.
	1-30-70	A-55	A.B.
	1-30-70	A-67	E.C.
6-8-71	A-114	5-25-67	A-31 L.J.
4-8-71	A-106	5-25-67	A-26 L.J.
6-8-71	A-100	5-25-67	A-17 L.J.
	A-110	5-25-67	A-29 L.J.
9-1-71	A-105	8-1-68	A-10 D.G.

REVISIONS

NO.	DATE	REVISION	BY

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

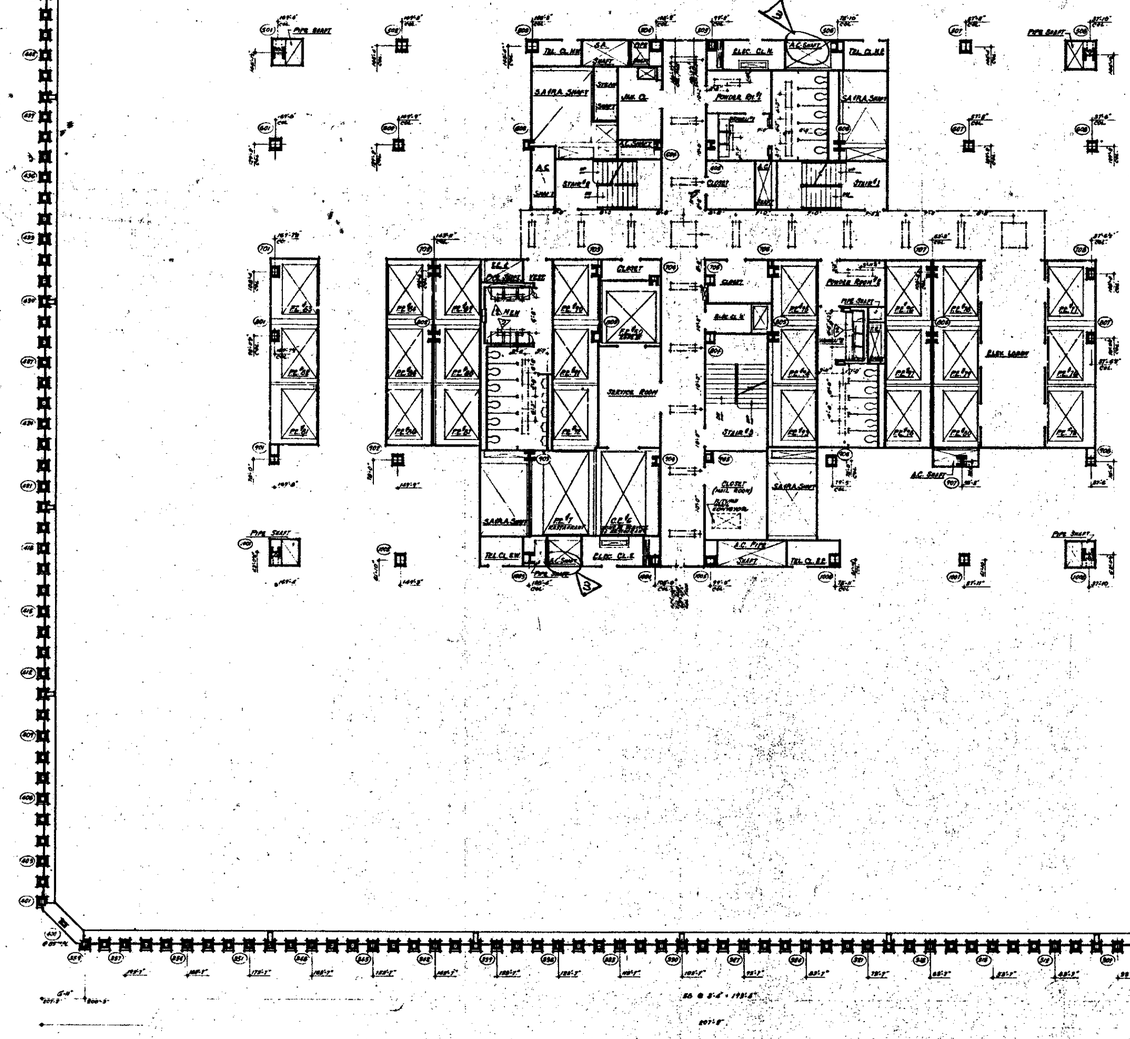
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

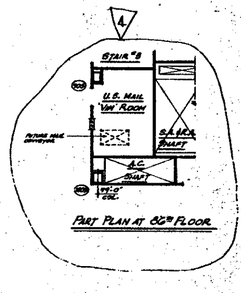
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 83rd FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-8-69
PROJECT NO.		SHEET	OF
BUILDING NO.			

A-A-144





PART PLAN AT 85TH FLOOR

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 6" SCALE CORE DRAWING # A-A-148
3. ALL ELEVATIONS GIVEN THUS (104'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS' DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB, PIPE & WIDER OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS' & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL SCHEDULE
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (104'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUBFLOORS OR TILES ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. FINISH ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 1'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF WALL MEDIUM DOMES.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING dated 2-1-68

NO.	DATE	DESCRIPTION	BY
1	6-15-71	A-170	L.J.
2	7-12-71	A-164	D.T.
3	1-20-72	A-69	L.J.
4	12-28-72	A-17	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 84TH TO 86TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-1967
APPROVED		SHEET	OF
CONTRACT			

A-A-142

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, RAISED GUIDELINES, PANEL NUMBERING AND LOCATIONS OF DRAWINGS SEE DRAWING A-0.1 TO A-0.5.
2. FOR CHUTES & WASTE FLOOR, PLAN SEE DRAWING A-1.1A
3. ALL ELEVATIONS GIVEN THUS (+0.0") ARE IN RELATION TO RAISED FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ACCEPTED ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-4.0-SH AND A-4.0-STR.
6. ALL TRENCH HEADERS TO BE PREFORMED AT INTERIORS OF SLAB FOR 3 WIRE 20" & 6" WITH 4 SPARE IN TYPE PREFORMTRAK. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONSULTANTS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND PREFORMTRAK.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0.0"); UNLESS OTHERWISE SHOWN OR NOTED
8. 1 MONITOR SOAP DISPENSER AT ALL MEN AND WOMEN'S TOILETS, AND DISPENSER AT EACH LUNCHEON ACCESS BOARD TO BE MOUNTED AS SHOWN ON PLANS IN ACCORDANCE WITH TILE COURSE SEE TYPICAL TOILET DETAILS DWG. A-A.0-STR.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN NON-TOILET TOILET ROOMS ETC., FINISH FURRING OF ALL PIPING AND A/C DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. ABOVE 7'-0" A.F.F. PIPING CEILING INSULATION AND CLEARANCE OF ALL LIGHTS &C. ETC.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS
11. GIANTS ARE PROVIDED ON ALL BEAM PROJECTIONS OVER 6" AND ALL SPANDREL BUNDLES AS INDICATED ON SITE AND WALLS AS SHOWN THUS SEE ALSO HORIZONTAL SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FIRE STANDING COLUMNS AND PARTITIONS DETAILS SEE DRAWINGS A-A.0-SCH TO A-A.0-STR.

PART PLAN AT 86TH FLOOR

COLUMN DETAILS AT 86TH FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING NO. 2-146

NO.	DATE	BUL. NO.	BY
	11-8-67	A-108	L.L.
	1-30-70	A-81	L.L.
	1-30-70	A-83	L.L.
	1-30-70	A-87	L.L.
	3-25-69	691	R.C.
	3-25-69	692	R.C.
11-15-24	6-19-68	A-97	R.C.
6-18-71	A-124	L.L.	2-25-69 A-89 R.C.
6-18-71	A-126	L.L.	5-1-68 A-90 D.G.
6-18-71	A-106	D.F.	5-1-68 L.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

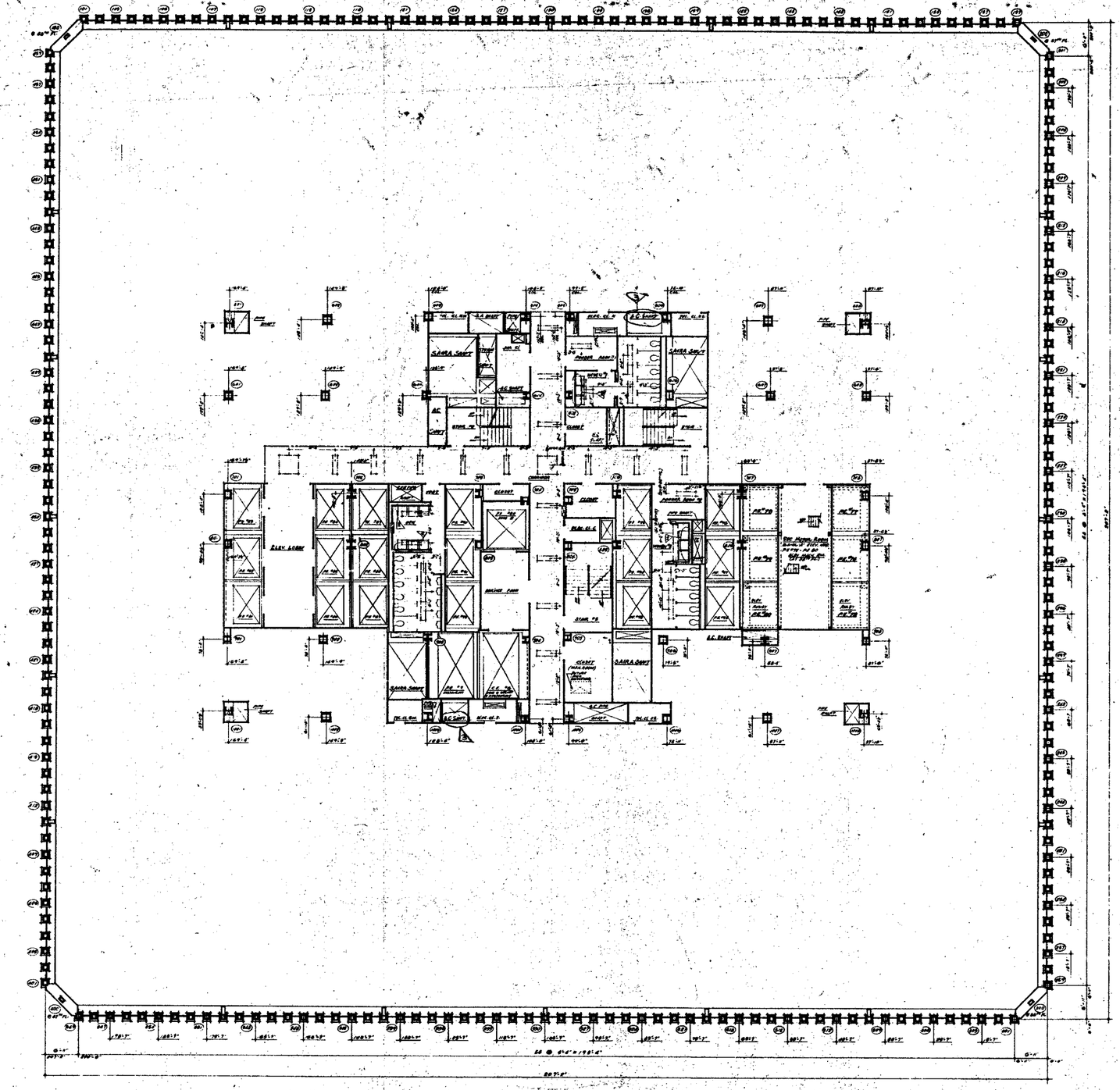
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 64TH TO 86TH FL. CORE PLAN

1/8"=1'-0"

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-21-67
PROJECT DIRECTOR		SHEET	143
PROJECT ARCHITECT		NO.	A-A


SAMA SHAFT
ELEV. LOBBY
CLOSET
MECH. EQUIP. ROOM
STAIR 78
SAMA SHAFT
SAMA SHAFT
STAIR 79
SAMA SHAFT
SAMA SHAFT
CLOSET
ELEV. LOBBY

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND GENERALLY OF DRAWINGS, SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE 8" SCALE PLANS, PLAN SEE DRAWINGS A-2.1-2.5.
3. ALL ELEVATIONS GIVEN THUS (19'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-2.2-2.5 AND A-3.6-3.9.
6. ALL FRAMED HEADERS TO BE FIREPROOFED AT OPENINGS OF GLASS FOR A WIDTH OF 2'-0" WITH 1 SPACE ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS' APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. PARTIAL FLOOR ELEVATIONS (TOP OF SLAB ELEVATIONS ARE 0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE ANY DIFFERENCE IN ALL ARE ANY MINOR TRADES, THE DIFFERENCE IN EACH LOCATION, ACCESS DOORS TO BE INSTALLED WHERE SHOWN OR NOTED ON DRAWINGS, ALSO TO BE LOCATED IN ACCORDANCE WITH THIS CONTRACT. SEE TYPICAL TOILET PARTITION DRAWING A-3.10-3.16.
9. WHERE NO SUSPENDED CEILING HAS BEEN SHOWN, AS IN CLOSETS, SHAFTS, MECHANICAL ETC., BOTTOM ELEVATION OF ALL PIPES AND ELECTRICAL CONDUIT TO BE INSTALLED AT 8'-0" ABOVE FINISHED FLOOR TO ALLOW FOR PIPING, CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 1/2" MINIMUM (1" AVERAGE) DIMENSION IN ELEVATION, SPLAYED AND SHALL BE SLOPED 1:12 FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-2.06 TO A-A5-2.12

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Sch. A-1.1-14

NO.	DATE	DWL. NO.	BY
5	6-8-71	A-17A	L.L.
4	5-18-71	A-16.6	D.T.

REVISIONS

NO.	DATE	DWL. NO.	BY
3	11-8-70	A-10B	L.L.
2	1-8071	A-8.1	L.L.
1	1-30-70	A-8.9	L.L.
	1-30-70	A-8.7	E.C.
	5-13-69	A-9.1	L.S.
	9-23-68	A-8.5	L.S.
	8-23-68	A-1.7	L.S.
	5-23-68	A-2.3	L.S.
	5-1-68	A-3.10	D.G.
	4-22-68	A-2	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'0"

TITLE: 67TH FLOOR, CORE PLAN

DESIGN		CHECKED	
SCALE	1/8"=1'0"	DATE	7-8-71
DRAWN		SHEET	OF

CONTRACT NO.

A-A-145

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING A-A-144.
3. ALL ELEVATIONS GIVEN THUS (CONC.) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-6-004 AND A-A-6-005.
6. ALL TRENCH GRADES TO BE PREPARED AT BOTTOM OF SLAB FOR A WIDTH OF 2'0" WITH A SPLASH TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TUFF AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND FITTING OF TRENCH HEADS, AND TERMINATIONS.
7. FINISH FLOOR ELEVATION (FINISH OF SLAB ELEVATION AS CONC) MARKED OTHERWISE THAN EL NOTED.
8. ALL 2'0" TILE OCTAGONS AT ALL MEN AND WOMEN'S TOILETS, AND DRESSING AT EACH ELEVATOR, ACCESS DOORS TO WAY DISTRIBUTION VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CORNING. SEE TYPICAL TOILET DETAILS A-A-6-010.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOWING IN CLOSETS, EQUIP. PASSAGES, ETC. SECTION-ELEVATION OF ALL CAP. VS AND SHUTTERS SHALL BE FURNISHED AND SET AT SAME STRUCTURAL FLOOR TO FINISH OF FINISH CEILING INSTALLATION, AND ADJUSTABLE OF FULL HEIGHT TOILETS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CANTS ARE PLASTERED ON ALL BEAM PROJECTIONS OVER 4" MINIMUM (4" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 2" FROM WALL FACE. "CL" = CAP VERTICAL, "CT" = TACK
12. FOR TREATMENT OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-6-006 TO A-A-6-008.

CORRIDOR

ELEV. LOBBY

SERVICE ROOM

POWDER ROOM

ELEVATOR MACHINE ROOM

TENANT SPACE

ELEVATOR MACHINE ROOM

SECONDARY MOTOR R.R.

ELEVATOR PENTHOUSE

SECTION A/A-146

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING NUM. A-A-146

NO.	DATE	BUL. NO.	BY
4	8-18-71	A-174	LJL
3	4-8-71	A-164	DT
2	10-8-70	A-108	LJL
1	1-30-70	A-81	LJL

REVISIONS

NO.	DATE	BUL. NO.	BY
1	1-30-70	A-88	LJL
2	1-30-70	A-87	E.C.
3	3-23-69	A-31	L.S.
4	3-23-69	A-26	L.S.
5	3-23-69	A-17	L.S.
6	3-23-69	A-13	L.S.
7	1-1-68	A-11	M.R.
8	5-1-67	A-10	D.G.
9	4-25-67	A-9	D.G.
10	3-15-67		J.J.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

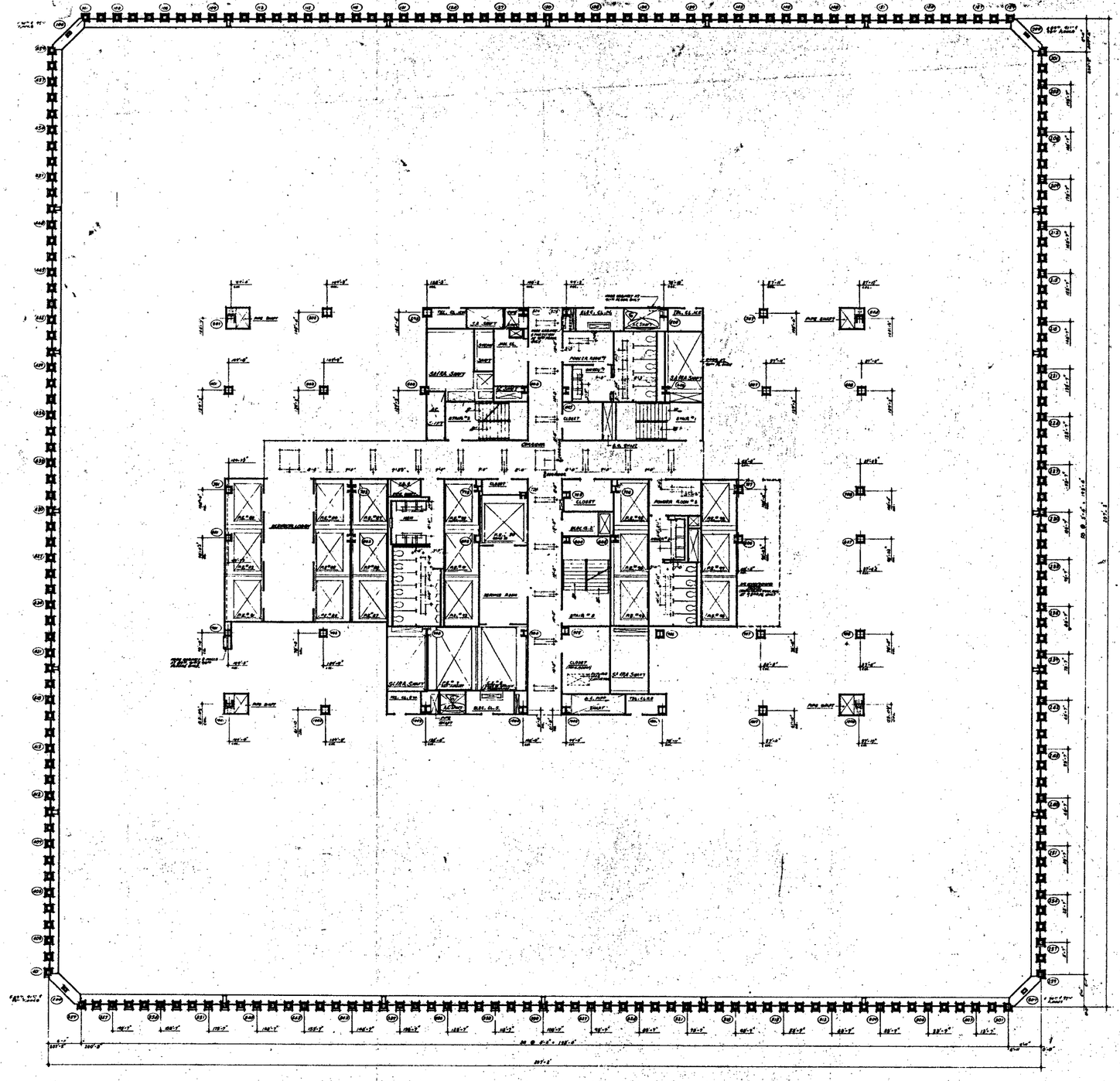
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

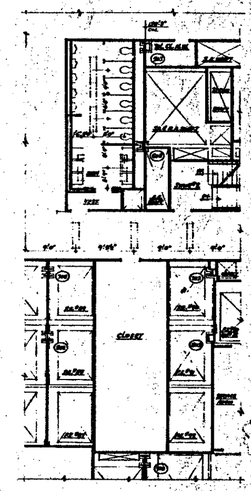
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 66TH FLOOR CORE PLAN

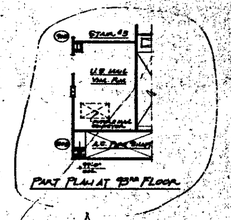
DRAWN		CHECKED	
SCALE	1/16"	DATE	7-21-67
TRACED		APPD.	
SUPERSEDES DRAWING			

A-A-146





PART PLAN AT 93RD FLOOR



PART PLAN AT 73RD FLOOR

GRID

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-A-1 TO A-A-5.
2. FOR CONCRETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-148
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. CONFIRM 4'-0" TYP. LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
6. ALL "PLUGS" OR "CURBS" TO BE PROVIDED AT BACKSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SURFACE TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND P.C.C. ENGINEERED CONSTRUCTION JOINTING WHERE CROSS SECTION IS SHOWN ON TRENCH AND WATERPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (T.S.+0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PACKAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION, AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROPOSED CONTRACT FORM

CONTRACT NO. DRAWING date 3-1-68

NO.	DATE	DESCRIPTION	BY
1	5-15-71	A-1 TO A-2	DHL
2	6-28-71	A-184	DK
3	11-5-70	A-109	LJ
4	1-20-70	A-88	LJ
5	2-25-69	A-13	RC
6	5-23-69	A-17	RC
7	5-1-68	A-1	MM

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES SOILS & GEOLOGICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

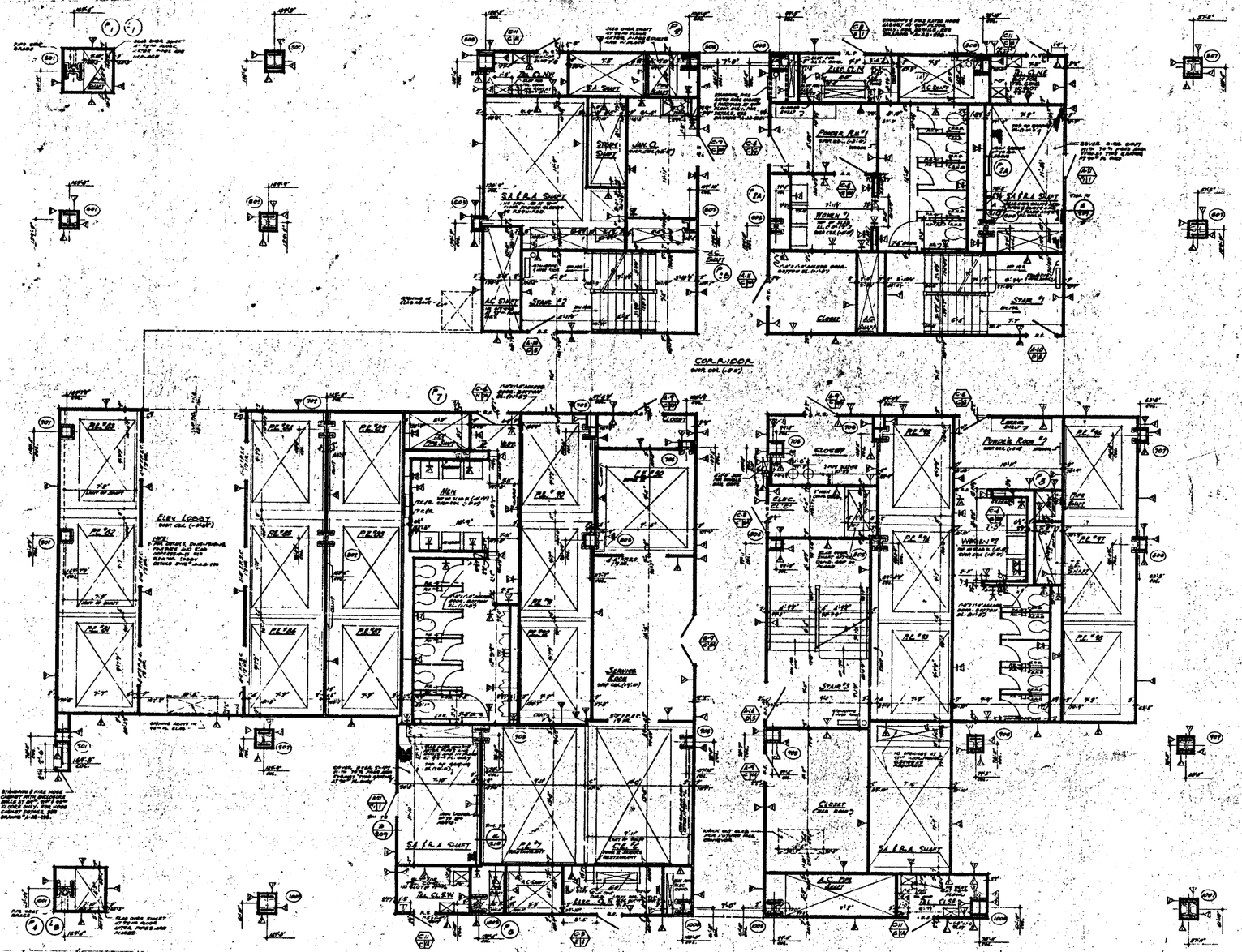
TITLE: 69TH TO 93RD FLOOR PLAN

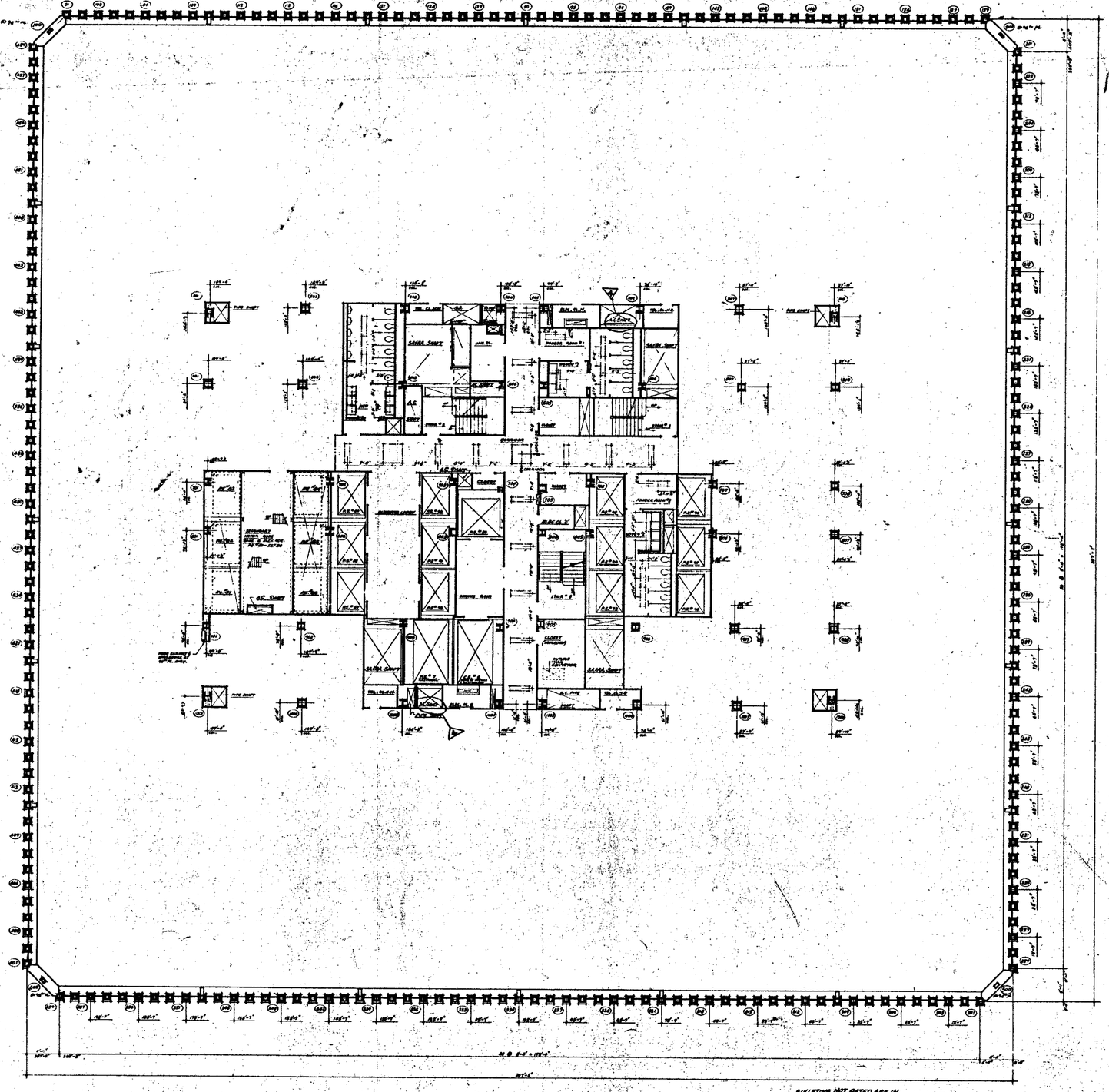
SCALE: 1/16"=1'-0" | DATE: 3-1-68 | DRAWN: | CHECKED: | JOB NO.:

DRAWING NO. A-A-147

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, FOREMAN AND SCHEDULES OF DRAWINGS SEE DWGS. A-1 TO A-14.
2. FOR EXPANSION & FIXED FLOOR PLAN SEE DRAWING A-A-A-02.
3. ALL ELEVATIONS GIVEN THUS (101'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ACCOMPANYING DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-6.3-.3A AND A-6.5-.5A.
6. ALL TILES ON HEADERS TO BE PREPARED AT MANUFACTURE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPECIAL ON TYPE UNDERLAYMENT. SEE ARCHITECTURAL SPECIFICATION SECTION, AND SEE FOUNDATION & SUPERSTRUCTURE SPECIFICATION SECTION FOR GENERAL EXTENT OF TRENCH AND PREPARATION.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS - ONE DISPENSER AT EACH LAVATORY, EXCEPT WHERE TWO OR MORE LAVATORIES ARE TO BE LOCATED IN ACCESSIBLE UNITS THE SOAP DISPENSERS SHALL BE MOUNTED ON THE SIDE WALL.
9. WHERE NO TOWELETTES CABINETS ARE CALLED FOR, THERE AS IN TOILETS, STAIR PASSAGES ETC., PAPER DISPENSERS AT ALL SINKS AND RECESSES SHALL BE MOUNTED 3'-0" ABOVE FINISHED FLOOR, TO CONFORM FOR FUTURE TOWELETTE INSTALLATION AND REPLACED ON WALL MOUNT, BOARD.
10. EXTENT OF CERAMICA CRÈME IS INDICATED THUS ———
11. CONTROL AND EXPANSION JOINTS ON ALL MAIN PARTITIONS ON 30'-0" MODULE (EXCEPT) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE A MAX. OF 75' FROM MAIN PARTITIONS. SEE TYPICAL DETAILS.
12. FOR WATERPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITIONS DETAILS, SEE DRAWINGS A-A5.10 TO A-A5.12.


CORRIDOR
SERVICE ZONE
SAFRA SHAFT
ELEV. LOBBY
STAIR #2
U.S. MAIL VIN. RM
CLOSET
CLOSET
CLOSET
CLOSET
STAIR #7
STAIR #9
STAIR #3
POWER ROOM #1
POWER ROOM #2
WOMEN'S
MEN'S
TEL. CLOSET
TEL. CLOSET
A.C. DUCT SHAFT
A.C. PIPE SHAFT
SERVICE ZONE
SERVICE ZONE
SERVICE ZONE



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CASE AREA IS "X", SCALE CORE DRAWINGS A-1.101 AND A-1.121.
3. ALL ELEVATIONS SHOWN THUS (23'-0") ARE IN RELATION TO PORTS PLANE.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE SUPPORTING ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PAINTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRIPE OF TYPE PAINT HAVING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED TYPE JOINTS FOR LOCATION & EXTENT OF TRENCH HEADER, AND FIRE PROOFING.
6. COORDINATE AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (7'0"-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE SUBSTANTIALLY 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Date 9-1-66

NO.	DATE	SUBJ. NO.	BY
3	6-16-71	A-104	DT
2	11-6-70	A-108	LL
1	1-29-70	A-AR	LL
0	5-25-69	A-17	EC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT EMERY ROTH & SONS NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES	EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT	RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON	JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS	MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES	THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS	PLANNING, DIRECTION, FOUNDATIONS

1/8"-1'0" 0 5 10 15 20 Scale Feet

94TH & 95TH FLOOR PLAN

SCALE 1/8"=1'-0" DATE 11-24-71

PROJECT NUMBER SHEET OF

DRAWING NUMBER A-A-149

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF BUILDINGS SEE DRAWINGS A-1.1 TO A-1.6.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-2.1-107.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STEEL FRAMING SEE DWGS. A-2.1-101 AND A-2.1-102.
6. ALL TRENCH HEADERS TO BE TROUGH-TYPE 42" CONCRETE SLAB FOR A WIDTH OF 4'-0" WITH A STEEL I-BEAM TYPE PARTITIONING. SEE ARCHITECTURAL STRUCTURAL FOR TYPE AND SIZE. FOR DETAILS & CONSTRUCTION SEE DWG. A-2.1-101. FOR LOCATION & EXTENT OF TRENCH HEADER AND PARTITIONING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SHAFT OVERFLOWER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTROL. FOR TYPICAL TOILET DETAILS SEE DWG. A-2.1-101.
9. GUIDE TO EXPOSED COLUMNS AS CALLED FOR SUCH AS IN CORNERS, END PIERCING ETC. BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE UNIFORM AT EACH FINISHED FLOOR TO PERMIT FOR PIPING, CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. GIANT'S ARE REQUIRED ON ALL BEAMS PENETRATING SHAFTS 48" MINIMUM (WIDTH) DIMENSION IN ELEVATION, SLEEVES AND SHALL BE MINIMUM 18" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.1-106 TO A-2.1-113.

NOTE: 1 HOUR CUT-AWAY WITH 3 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER LAND TO CEILING AND WRAP COLS. FOR EXTENT OF FIREPROOFING.

CORRIDOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION			CONTRACT NO.	DRAWING DATE 2-1-68		
				1-30-70	A-51	E.C.
				1-30-70	A-53	E.C.
				1-30-70	A-67	E.C.
				5-28-69	A-31	E.C.
				5-28-69	A-36	E.C.
6-18-71	A-114	L.J.		5-28-69	A-17	E.C.
6-18-71	A-106	D.T.		6-28-69	A-19	E.C.
6-18-71	A-105	D.T.		11-1-68	A-7	M.M.
9-1-71	A-113			6-1-68	A-10	D.G.
11-9-70	A-108	L.J.		4-29-68	A-6	D.G.
NO. DATE - SUBJ. NO. BY			NO.	DATE	SUBJ. NO.	BY
REVISIONS			REVISIONS			

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PARKING, UTILITIES, FOUNDATIONS

TITLE: 94TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-30-69
PROJECT MANAGER		AGENCY	
DRAWING NUMBER	A-A-150		

NORTH

NOTE
FIREPROOF DUCTS ABOVE WITH 4 REMOVABLE LOUVERS OF METAL LATH 11" FURRING TO PLASTER. RUNS TO DUCTS ABOVE SEAL FOR FIRE-STOP OR PREFABRICATING.

CORRIDOR

ELEVATOR MACHINE RM.

ELEV. LOBBY

AC SHAFT

SERVICE ROOM

SAFRA SHAFT

TENANT SPACE

ELEVATOR MACHINE ROOM

SECONDARY WATER PUMP

ELEVATOR PENTHOUSE

SECTION

COL. 701 & 801

COL. 803

COL. DETAILS

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-B-101
3. ALL ELEVATIONS GIVEN THUS CB(C) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-B-004 AND A-B-005.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT WORKFACE OF SLAB FOR A WIDTH OF 6'-0" WITH 2 COAT-ON TYPE FIREPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR'S APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND INSERTIONS.
7. FIN. FL. ELEV. ELEVATION AND "TOP OF SLAB ELEVATIONS ARE "B" UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE DISPENSERS AT ALL MEN AND WOMENS TOILETS. FOR LOCATION ACCESS DOORS TO SHAFTS SEE DRAWINGS A-B-101 TO A-B-104 INCLUSIVE.
9. ALL CEILINGS ARE CALLED FOR SHOWN AT 8'-0" A.F.F. UNLESS OTHERWISE NOTED. BOTTOM ELEVATION OF ALL FURRING AND SUSPENDED CEILINGS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE MINIMUM CEILING INSTALLATION AND CLEARANCE 7'-8" CLR. AT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CHASES ARE PLANNED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (6" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SMALL BE MAXIMUM OF 24 INCH HORIZONTAL SEE TYPICAL DETAILS.
12. FOR PREFABRICATING OF FLAT SPANDRAL COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-B-301 TO A-B-315.

BULLETINS NOT DATED ARE IN THEIR APPROPRIATE OR CHRONOLOGICAL ORDER OF COMPLETION

CONTRACT	BID	DRAWING	Date 5-1-68		
			1-30-70	A-61	E.C.
			1-30-70	A-65	E.C.
			1-30-70	A-67	E.C.
			8-28-61	A-96	D.D.
			8-28-69	A-97	D.D.
			8-28-69	A-98	D.D.
			11-1-68	A-11	E.C.
			6-4-68	A-10	E.C.
			6-19-68	A-8	E.C.
			" " 68		J.V.L.

NO.	DATE	SUB. NO.	BY
1	6-18-71	A-134	L.J.
2	7-1-71	A-135	

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

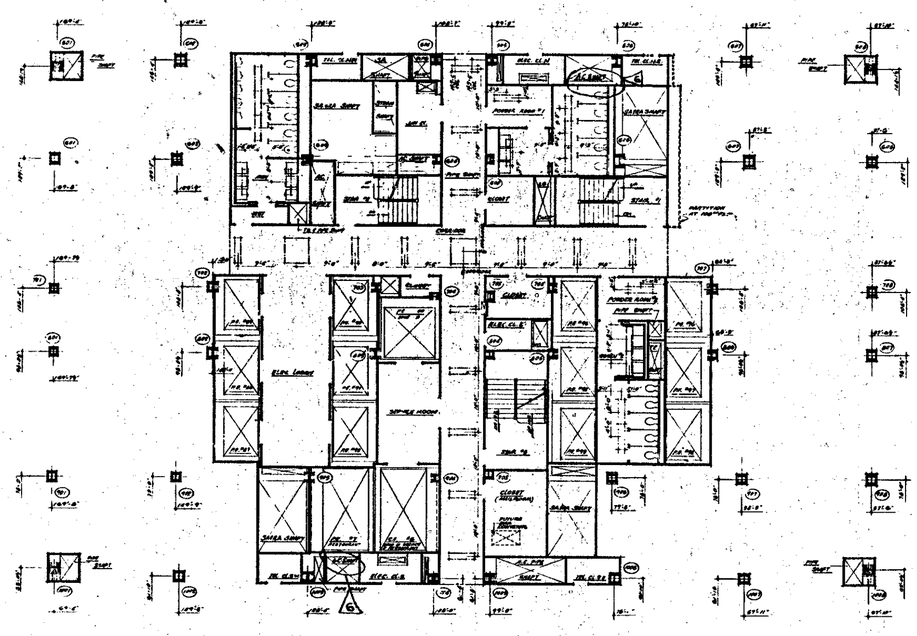
MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — EMERY ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: 95TH FLOOR CORE PLAN

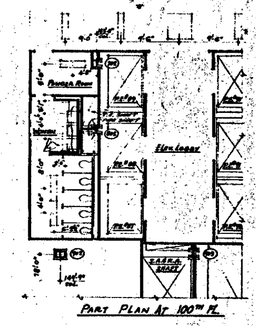
DRAWN		CHECKED	
SCALE	1/8"	DATE	7-1-67
PROJECT ENGINEER		CHECK	
DRAWING NUMBER	A-A-151		



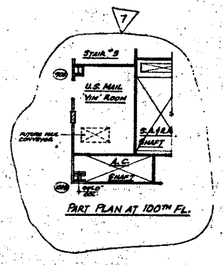
NORTH

NOTES

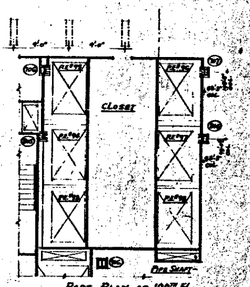
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES, ROOM SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-0.1 TO A-0.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN ONES AREA SEE "A" SCALE - UNIT DRAWING A-0.150.
3. ALL REFERENCE GRID LINES (E.G. A-1) ARE IN RELATION TO FIRST FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIRE-PROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A FINISH IN TYPE CONFORMING TO THE ARCHITECTURAL SPECIFICATIONS FOR TYPE IN - ELEC. DRAWINGS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIRE-PROOFING.
6. CORRIDOR AND "DUST LIGHTING" LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS AND (T.F.F.) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR, PARKWAYS ETC. BOTTOM OF SLAB IS OF ALL PIPING AND DUCTWORK SHALL BE PAINTED TO BE ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____



PART PLAN AT 100TH FL.



PART PLAN AT 100TH FL.



PART PLAN AT 100TH FL.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-1-68

NO.	DATE	DESCRIPTION	BY
6	6-15-71	A-170	L.A.
5	6-15-71	A-164	D.T.
4	9-1-71	A-155	U.T.
3	1-30-70	A-158	E.E.
2	5-23-69	A-17	L.S.
1	5-23-69	A-23	L.S.
0	11-1-68	A-7	M.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PLANNING, UTILITIES, FOUNDATIONS

TITLE: 96TH TO 100TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-12-67
PROJECT		ISSUED	BY
SUBMITTED			

A-A-152

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS "A-1-1 TO A-1-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING "A-A-100.
3. ALL ELEVATIONS GIVEN THUS (100') ARE IN RELATION TO PORT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROPRIATE ENGINEERS DRAWING.
5. FOR TYPICAL STAIR DETAILS SEE SHEETS "A-A-2-206 AND "A-A-2-207.
6. ALL TRENCH HEADERS TO BE LOCATED AT DIRECTION OF ENGR. FOR A DEPTH OF 6'-0" INTO A SHAFT-TYPE EXCAVATION. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE. CONTRACTOR TO CONTACT ENGINEER'S INSP. FOR LOCATION & ELEVATION OF TRENCH HEADER AND FOOTINGS.
7. FACING PLANS, ELEVATIONS & TOP TO READ RIGHTHAND AND OUTER SURFACES COMPLETED UNLESS OTHERWISE NOTED.
8. PLUMBING SHAFT DIMENSIONS OF ALL NEW AND REMOVED SHAFTS, ARE EXTERIOR, AT NEW UNLESS ACCESS DOORS TO NEW PLUMBING RISERS TO BE LOCATED IN CORRIDOR TO AVOID INTERFERENCE WITH THE OCCUPANTS. FOR TYPICAL TOILET ROOM DETAILS SEE SHEETS A-A-2-206.
9. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SHOW AS IN CLOSETS, STAIR ENCLOSURES ETC. BOTTOM ELEVATION OF ALL PIPING AND MECHANICAL SHALL BE DIMENSIONED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR PIPING CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS:
11. LIGHTS, ARE PROVIDED ON ALL DRAIN MANIFOLDS OVER 48" HORIZONTAL (SEE PLUMBING DRAWINGS) AND SHALL BE MOUNTED TO GRADE HORIZONTAL. SEE TYPICAL DETAILS.
12. ALL ARCHITECTURAL DIMENSIONS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A2.105 TO A-A2.112.

NOTE: REMOVE DUCT WORK NO. 3 ORNAMENTAL STEEL TO METAL LATH AND PLASTER AND FINISH ONE FOOT BEYOND OF OBSTRUCTION

PART PLAN AT 100TH FLOOR

PART PLAN AT 100TH FLOOR

PART PLAN AT 100TH FL.

PART PLAN AT 100TH FLOOR

DELETIONS NOT DATED JAN. 1 '68 PRIOR TO COMPLETION OF CONTRACT

NO.	DATE	REVISIONS	BY
1	6-1-71	A-153	LT
2	5-20-71	A-151	E.C.
3	5-20-71	A-153	E.C.
4	5-20-71	A-151	E.C.
5	5-25-71	A-24	L.S.
6	5-25-71	A-26	L.S.
7	5-25-71	A-27	L.S.
8	5-25-71	A-23	L.S.
9	11-1-71	A-7	M.M.
10	2-1-72	A-152	LT

NO.	DATE	REVISIONS	BY
1	11-1-74	A-315	J.P.
2	6-15-11	A-176	L.J.
3	6-15-71	A-170	L.J.
4	6-18-71	A-164	D.T.
5	2-1-72	A-152	LT

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

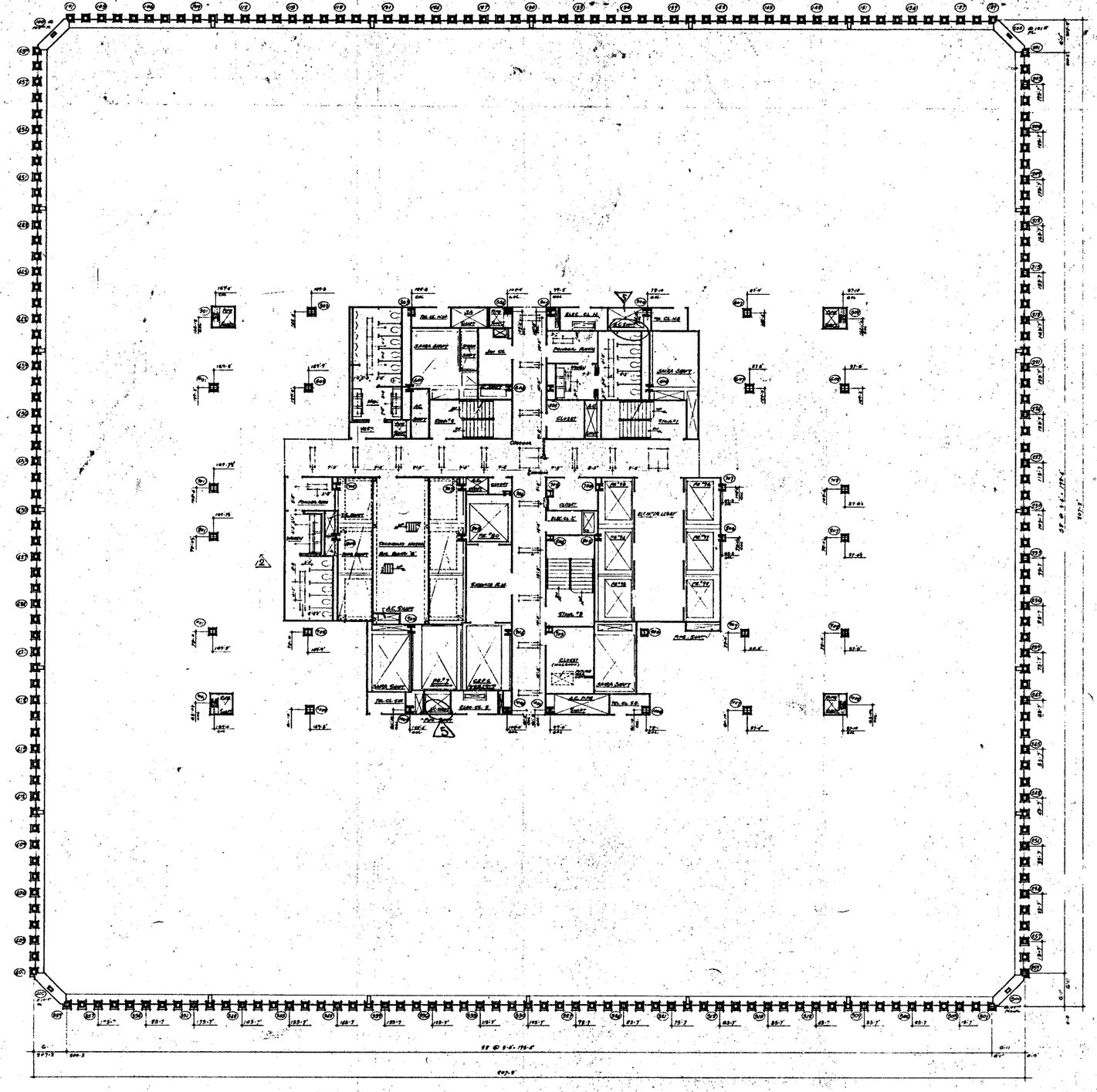
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKELLING, HELLE & GACKENBACH STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES CIVIL & SOIL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PARKING, UTILITIES, FOUNDATIONS

TITLE: 96TH TO 100TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-21-67
PROJECT DIRECTOR		SHEET	OF
DRAWING NUMBER	A-A-151		



NORTH

NOTE:

1. FOR GENERAL NOTES KEY TO MATERIALS SYMBOLS ABBREVIATIONS FINISH SCHEDULE DOOR SCHEDULE, AND SYMBOLS OF DRAWINGS SEE ARCHITECTURAL IN A-1-0.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREAS SEE 1/4" SCALE CORE DRAWINGS # A-A-155 AND A-A-156
3. ALL ELEVATIONS SHOWN THUS (100.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIRE PROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIRE PROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS ATTENTION SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (102'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING ARE CALLED FOR SUCH AS IN CLOSETS, STAIR HALLWAYS ETC. BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHTS DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____.

BUILDING NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT BID DRAWING date 9-1-66

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS
6	12-18-71	A-164 D.T.			
5	9-1-71	A-125 W.T.			
4	1-30-70	A-85 E.L.			
3	5-13-69	A-17 M.G.			
2	8-15-68	A-53 M.G.			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — SOILS & FOUNDATION ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PIERS, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

TITLE: 101ST & 102ND FLOOR PLAN

DRAWING NO. A-A-154

NOTE:
FURNISH DUCTS ABOVE MIN 8 DEPRESS WITH 2" THICKNESS OF METAL LATH W/VERMICULITE PLASTER. HOLD TO SIZES SEE MECH. DWG. FOR EXTENT OF PERFORMING.

NOTES

1. FOR GENERAL NOTES, KEY TO ALPHABETICAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCREENING AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-1.1 TO A-1.6.
2. FOR COMPLETE 1" SCALE FLOOR PLAN SEE DRAWING # A-3-104.
3. ALL ELEVATIONS GIVEN THUS (13'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS BELOW NO.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-3.5-104 AND A-3.5-105.
6. ALL TRENCH HEADERS TO BE INCORPORATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH 3 STEEL-OR TYPE PERFORMING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PERFORMING.
7. FINISH FLOOR ELEVATION AND "TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE TOILET PARTITIONS AT ALL MEN AND WOMEN'S TOILETS (SEE DRAWINGS A-3.5-104 AND A-3.5-105) AND SOAP DISPENSER VALVES TO BE LOCATED IN ACCESSIBLE AND NON-THE CONTROL SEE TYPICAL DETAILS OF TOILET ROOMS ON DRAWINGS A-3.5-104 AND A-3.5-105.
9. [illegible] CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR TO UNDERSIDE OF SLAB, EXCEPT AS NOTED. SEE SECTION ELEVATION DRAWINGS A-3.1-101 TO A-3.1-104 FOR ADDITIONAL INFORMATION.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. GRIDS ARE REQUIRED ON ALL RAISED PARTITIONS OVER 9'0" HEIGHT (8'-6" ABOVE FINISH FLOOR) AND ALL BEARING WALLS. FOR FRAMING DETAILS SEE TYPICAL DETAILS.
12. FOR PROVISIONS OF FIRE STOPPING, CEILING AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-3.05 TO A-3.10 INC.

BULLETINS NOT DATED ARE IN THE PROCESS OF PREPARATION

CONTRACT NO. DRAWING date: 2-2-68

NO.	DATE	SUB. NO.	BY
6	6-8-71	A-114	L.L.
5	4-22-71	A-144	D.Z.
4	2-1-71	A-115	L.L.
3	9-1-71	A-153	L.L.
2	1-30-70	A-61	E.C.
1	1-30-70	A-63	E.C.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	1-30-70	A-67	L.L.
2	5-29-69	A-31	L.S.
3	5-23-69	A-26	L.S.
4	5-23-69	A-17	L.S.
5	5-23-68	A-23	L.S.
6	8-1-68	A-7	M.M.
7	8-1-68	A-10	D.G.
8	8-28-68	A-5	D.G.
9	1-29-68	A-6	D.G.
10	3-18-68		J.W.L.

REVISIONS

REGISTERED ARCHITECT

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
101ST FLOOR - CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-8-71
PROJECT DIRECTOR		SHEET	OF
PROJECT MANAGER			

DRAWING NUMBER
A-A-155

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE 5 WALL FLOOR PLAN SEE DRAWING A-A.156.
3. ALL ELEVATIONS GIVEN THUS (10.00') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-A.6-.008 AND A-A.6-.009.
6. ALL TRENCH HEADERS TO BE WATERPROOFED IF UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A EXPANSION TYPE WATERPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER, AND WATERPROOFING.
7. EACH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS) (A.B.(+0.0)) UNLESS OTHERWISE SHOWN OR NOTED.
8. FINISH SLOPE (GRADIENT) OF ALL WET AND SEMI-WET TOILETS, DUCT ENCLOSURES AT CORE LOCATIONS, SHALL BE 1/4" PER FOOT TO DRAIN TO DRAIN OUTLETS IN ACCORDANCE WITH SITE CONDITIONS AND TYPICAL TOILET DETAILS ON SHEET A-A.6-.004.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CAULTS ARE REQUIRED IN ALL BEAM FIREPROOFING OVER 36" NOMINAL (4'-0" ACTUAL) WIDTH, ALL PARTITIONS SHALL BE CAULTED TO THE MAIN HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6.005 TO A-A6.006

SECTION A/80a

BULLETINS NOT DATED ARE IN THE PACKETS OF COMPLETION

CONTRACT NO.	DRAWING	date	
	1	30-70	A-69 E.C.
	1	30-70	A-67 E.C.
	2	12-69	A-81 M&P
	3	23-69	A-26 M&P
	3	23-69	A-17 P&D
6-8-71	A-74	L.M.	3	23-69	A-23 M&P
6-8-71	A-164	D.T.	11-1-69	A-11 MIS.
6-1-71	A-183		8-1-69	A-10 D.G.
6-1-71	A-123		4-24-69	A-2 D.G.
1-30-70	A-81	E.C.	5-18-69	A-21 M&P

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

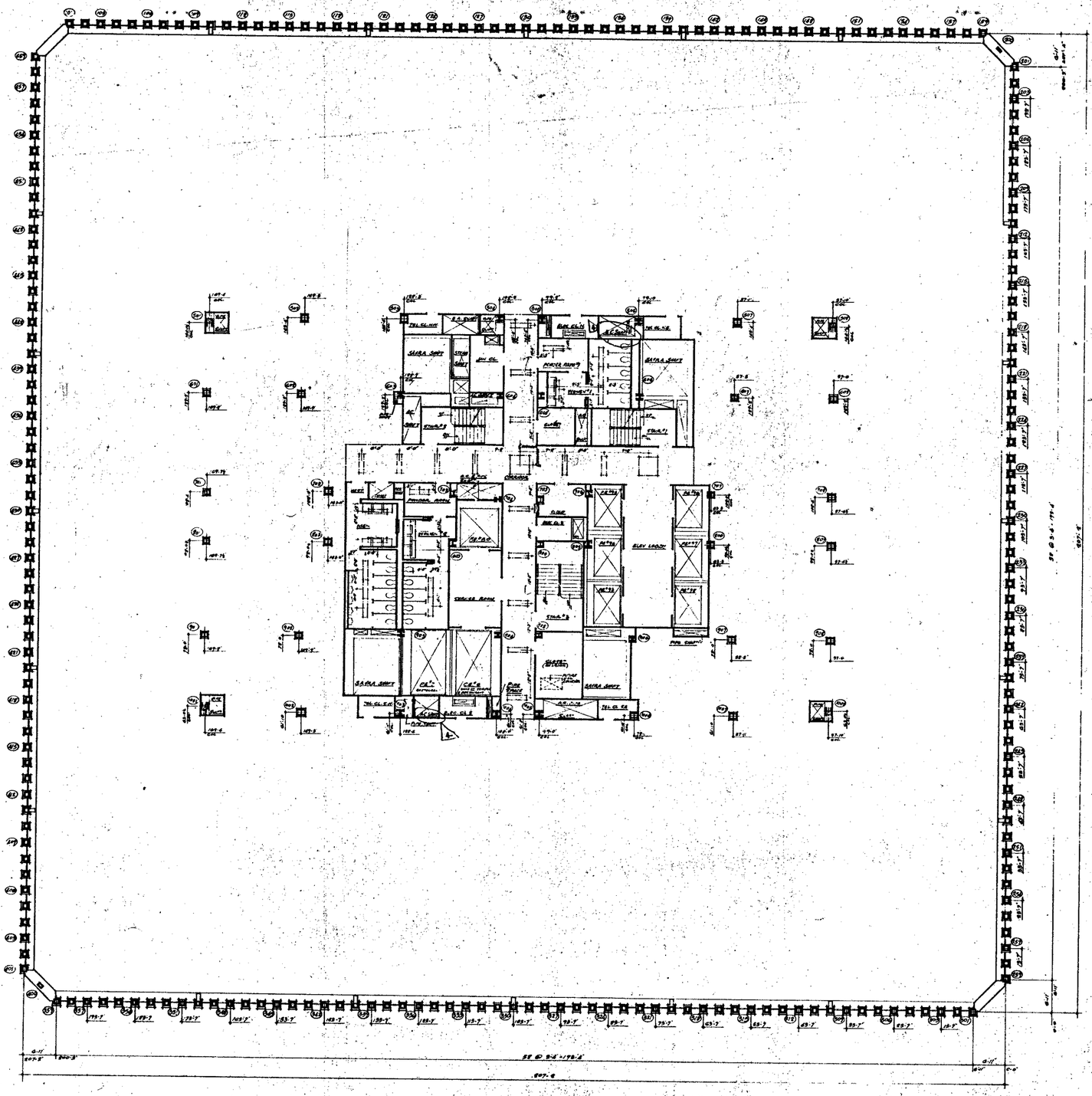
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 102nd FLOOR CORE PLAN

1/8"-1'0"

DRAWN | CHECKED
SCALE: 1/8"-1'0" | DATE: 7-8-69
PROJECT NUMBER | SHEET NO.

DRAWING NUMBER: A-A.156



NORTH

NOTES:

1. FOR GENERAL NOTES SEE TYPICAL DETAILS, SYMBOLS, ABBREVIATIONS AND MATERIALS, FINISHES, DUAL FINISHES AND FOOTNOTES OF DRAWING "FOR CONSTRUCTION".
2. FOR FINISHES, PLANTERS AND NOTES IN AREAS AND SEE U.S. CORPS DRAWING NO. A-1-102.
3. ALL ELEVATIONS GIVEN "AVE (100.0)" ARE IN RELATION TO PORT DATUM.
4. FOR MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS SEE DRAWING NO. [illegible].
5. ALL TRENCH HEADERS TO BE PREFABRICATED AT FABRICATION OF SLAB FOR A PERIOD OF 6-8 WEEKS WITH A CAPACITY FOR 2500 PERSONS. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELEC. DRAWINGS E-C-1, E-C-2 & E-C-3 FOR LOCATIONS & LAYOUT OF TRENCH HEADER AND RACEWAYS.
6. CORRIDOR AND TOILET LIGHTING LEVELS AS SHOWN. SEE ALL OTHER LIGHTING AND ELECTRICAL DRAWINGS FOR ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE CLOSED UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE USED, THE SLAB IS TO BE FLOATED, STEEL TROWELED ETC. BOTTOM ELEVATION OF SLAB AND STRUCTURAL SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE 8'0" SUSPENSION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT LISTED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-68

NO.	DATE	SUBJ. NO.	BY
1	6-18-71	A-184	D.T.
2	9-1-71	A-193	LT
3	1-20-72	A-38	A.A.
4	2-23-72	A-17	M.O.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/16" = 1'-0"

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 103rd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	12-1-67
PROJECT MGR.		SHEET OF	
DRAWING NO.	A-A-157		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, ZONE, SUMMARY AND, INDEXING OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-9.
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING A-A-102.
3. ALL ELEVATIONS GIVEN THUS (EL+) ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-104 AND A-A-105.
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE PROTECTION. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND REFERENCING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (100'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL NEW AND EXISTING TOILETS.
9. THERE ARE SUSPENDED CEILINGS IN THE CORRIDOR AND SOME OF THE ELEVATOR LOBBIES. FOR REQUIRED ELEV. BOTTOM ELEVATION OF ALL SUSPENDED CEILINGS SEE ELEVATIONS ON SHEET A-A-104. THE SUSPENDED CEILINGS IN THE ELEVATOR LOBBIES TO BE REMOVED TO ALLOW FOR FUTURE CEILING INSTALLATION AND RELOCATION OF ALL SPRINKLER HEADS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CARETS ARE REQUIRED ON ALL BEAM PILASTERS WHEN THEY OCCASIONALLY DIMINISH IN PROJECTION, WIDTH AND SHALL BE MINIMUM 1½" ON VERTICAL AND HORIZONTAL SIDES. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF PILE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-206 TO A-A8-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO	DRAWING	DATE	NO.	REVISIONS
		11-6-70	A-100	L.L.
		1-10-70	A-81	A.S.
		1-30-70	A-98	A.S.
		1-30-70	A-67	E.C.
		5-13-69	A-31	L.S.
		5-13-69	A-26	L.S.
		5-23-69	A-17	L.S.
		5-23-69	A-23	L.S.
4-8-71	A-158.01	11-1-68	A-11	M.S.
4-7-71	J.F.F.	4-1-66	A-10	D.B.

DATE · BUL. NO. BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES / MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS / RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON / STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES / MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES / ELECTRICAL ENGINEERS

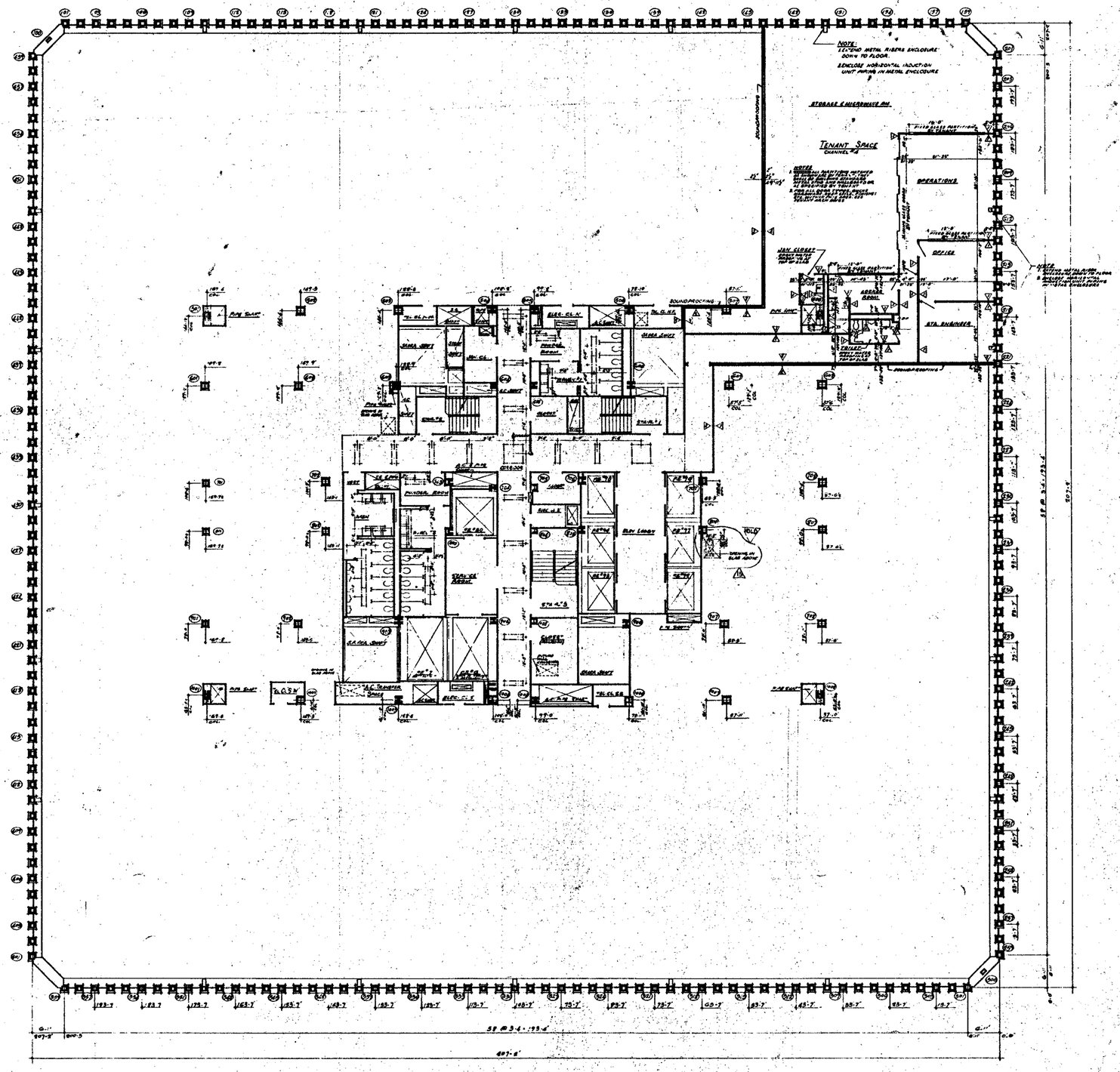
THE PORT OF NEW YORK AUTHORITY / PLANNING, UTILITIES, OPERATIONS

TITLE: 103rd FLOOR CORE PLAN

SCALES: 1/16" = 1'-0" · 1/8" = 1'-0" · 1/4" = 1'-0" · 1/2" = 1'-0"

PROJECT NO.

DRAWING NO. A-A-158


NOTE:
1. ENCLOSE METAL RISERS ENCLOSURE DOWN TO FLOOR.
2. ENCLOSE HORIZONTAL INDUCTION UNIT PIPING IN METAL ENCLOSURE
STORAGE & MICROWAVE RM.
TENANT SPACE
CHANNEL #2
OPERATIONS
OFFICE
STR. ENGINEER
SOUNDPROOFING
SOUNDPROOFING
ELEC. CLS.
ELEC. CLS. E
A.C. TRANSFER SPACE
ELEC. CLS. F
A.C. R-O TANK
ELEV. LOBBY
STAIR #4
STAIR #5
STAIR #6
STAIR #7
STAIR #8
STAIR #9
STAIR #10
STAIR #11
STAIR #12
STAIR #13
STAIR #14
STAIR #15
STAIR #16
STAIR #17
STAIR #18
STAIR #19
STAIR #20
STAIR #21
STAIR #22
STAIR #23
STAIR

NORTH

TENANT SPACE
CHANNEL "A"

CORRIDOR

SAIBA SHAFT

CLEAR LOBBY

STAIR SHAFT

ELEV. SHAFT

A.C. FLUR.

STAIR ROOM

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, INTERIORS AND INTERIORS OF DRAWINGS SEE DRAWINGS # A-A1 TO A-A6.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING # A-A15.
3. ALL ELEVATIONS GIVEN THUS (100'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE PROPERTIES ENGINEERS DRAWING
5. FOR TYPICAL STAIR, DETAILS SEE SHEETS A-B-104 AND A-A-B-104
6. ALL FINISH MARBLE TO BE PROVIDED AT ENCLOSURE OF ELEV. PIT, 3 WIDTH OF 6'0" WITH 1 STRAIGHT TYPE WATERPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPLYING FOR PLUMBING FOR LOCATION AND EXTENT OF TRENCH HEADER, AND PREPARATIONS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (16'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS AND DISPENSERS AT EACH LAVATORY, SEE SHEET TO SOAP DISPENSER VALVE TO BE INSTALLED ACCORDING WITH P.A.C. SEC. 17-110 SEE TYPICAL TOILETS AS "A-A-B-104".
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOP AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK TO BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION, AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAMS PROJECTING OVER 4½" NOMINAL (STARTING) DIMENSION IN ELEVATION, CANTS SHALL BE MINIMUM 2½" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-B16 TO A-A5-B12.

CONTRACT NO. DRAWING: Date 8-2-68

NO.	DATE	BULL. NO.	BY
1	9-28-74	A-406	LJ
2	9-25-74	A-416	LJ
3	6-1-78	A-253	LJ
VOID		A-265	
5	8-28-78	A-285	LC
6	11-27-78	A-197	LC
7	6-28-79	A-183	DT
8	10-16-79	A-184	DT
9	4-1-79	A-185	LJ/T
10	6-1-79	A-185	LJ/T
11	9-8-79	A-880	LJ

REVISIONS

NO.	DATE	BULL. NO.	BY
1	11-6-80	A-406	LJ
2	4-29-80	A-81	J
3	1-30-79	A-51	AB
4	1-30-79	A-53,	AB
5	1-30-79	A-47	LJ
6	5-25-64	A-51	LJ
7	3-23-64	A-16	LJ
8	8-23-64	A-17	LJ
9	5-26-64	A-23	LJ
10	6-11-68	A-40	DB

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

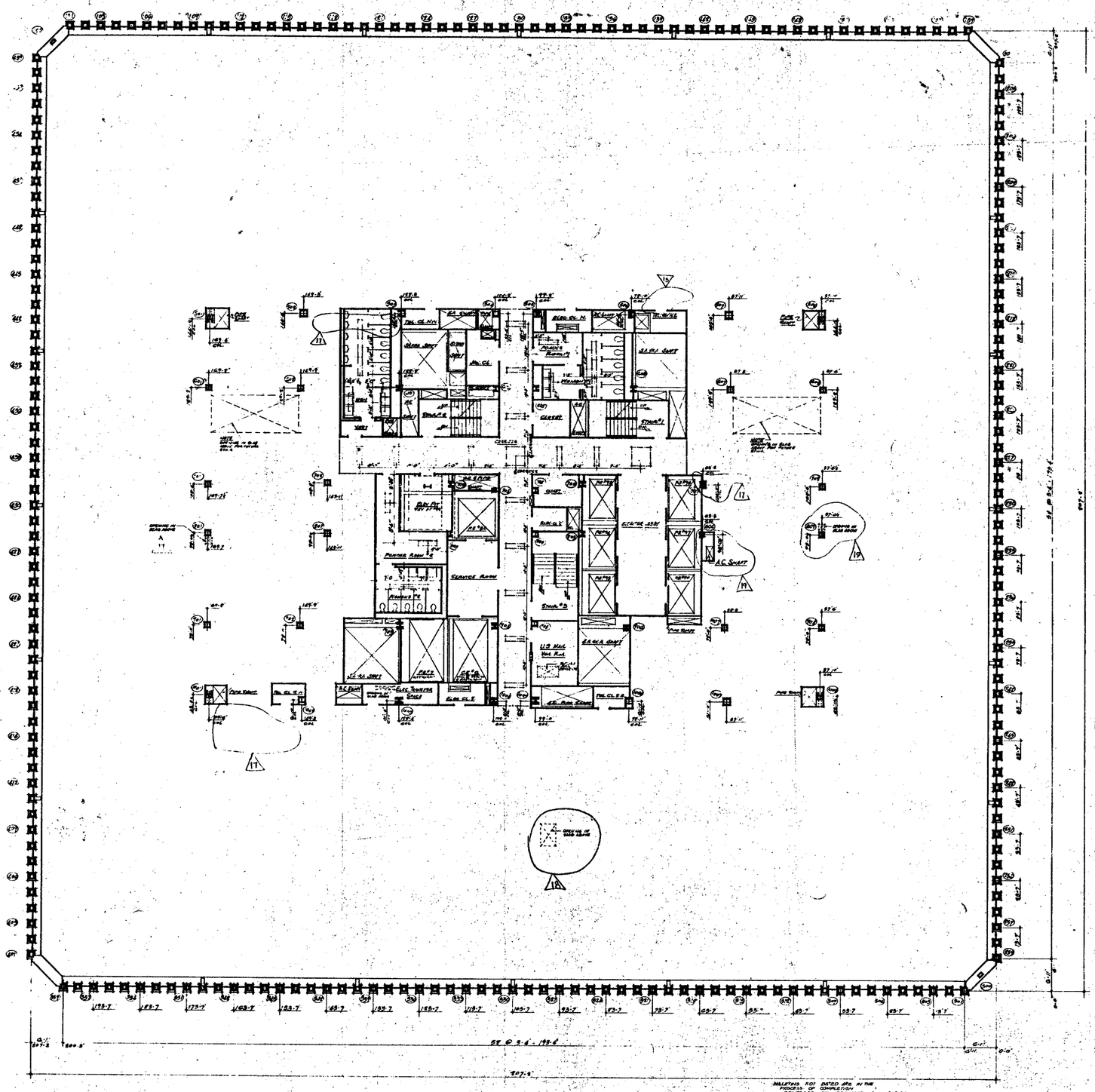
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 104TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0"

DRAWING NO. A-A-160


NORTH
Penthouse Fl.
Elevator Room
Stair #2
A.C. Shaft
U.S. Mail Mail Room
Elec. Switches Cells
Elev. Machine Room
Penthouse Fl.
Elevator Room
Stair #1
A.C. Shaft
U.S. Mail Mail Room
Elec. Switches Cells
Elev. Machine Room
Stair #3
Pent. Cl. F.
Pent. Cl. E.
Pent. Cl. G.
Pent. Cl. H.
Pent. Cl. A.
Pent. Cl. B.
Pent. Cl. C.
Pent. Cl. D.
Penthouse Fl.
Penthouse Fl.
Penthouse Fl

NORTH

NOTE:
PARAPET DUCTS ABOVE 8th'S SYMBOLIZE LAYERS OF METAL LATH & 1" MINIMUM PLASTER ADD TO DUCT SIZES SHOWN ON DRAWINGS FOR EXTENT OF FIREPROOFING

CORRIDOR

NOTE:
CEILING IN BLAB ABOVE FOR REFUSE STATION

NOTE:
CEILING IN BLAB ABOVE FOR REFUSE STATION

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-9.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING A-A-101.
3. ALL ELEVATIONS GIVEN THUS (EL00'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-B-106 AND A-A-B-108.
6. ALL TRENCH HEADERS TO BE WATERPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A BITUMEN TYPE WATERPROOFING AS ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS MUST CONFER AND COORDINATE FOR LOCATION AND EXTENT OF TRENCH HEADER AND POURMARKS.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS) ARE (105'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SHOP DRAWINGS AT ALL NEW AND REMOVAL POINTS.
9. THE DOOR NOTES (1) EACH LAUNDRY ACCESS DOORS TO SHOW DISPENSERS, VALVES TO BE LOCATED IN ACCORDANCE WITH THE CONSING SEE TYPICAL TOILET DETAILS A-A-B-106 & 108.
10. WHERE FURRING OCCURS AT EXTERIOR WALLS, IT SHALL BE CALLED FOR WITH OUT NO EXCEPTS. ETHER PRESSURE ETC. - BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE APPROVED AT SHOP DRAWING STAGE TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
12. CENTS ARE DERIVED ON ALL BASIS PARTITIONS EVEN 4½" NOMINAL (ACTUAL) DIMENSIONS ALTERATION SHOWS AND SHALL BE MINIMUM 7½" FROM CORE OR TYPICAL DETAILS.
13. FOR PREFIXING OF FREE STANDING CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-B-106 TO A-A-B-108.

						CONTRACT BID DRAWING date 6-9-65			
						6-16-71	A-170	DB	
						6-16-71	A-166	DT	
7-23-74	A-606	L.J.				6-16-71	A-165	L.J.	
7-23-74	A-606	L.J.				9-1-71	A-170	LJ	
7-23-74	A-606	L.J.				9-1-71	A-170	LJ	
11-15-74	A-595	L.J.				9-1-71	A-163	LJ	
5-1-75	A-566	L.J.				1-12-70	A-97	RTH	
VOID	A-958	L.J.				6-22-70	A-96	L.J.	
1-23-76	A-913	L.C.				6-22-70	A-97	L.J.	
10-27-7	A-197	L.C.				6-22-70	A-96	L.J.	

						5-13-70	A-75	A.H.	
						1-30-70	A-81	E.K.	
						1-30-70	A-83	E.C.	
						1-30-70	A-87	E.C.	
						5-13-91	A-31	D.L.	
						5-13-91	A-98	D.L.	
						5-13-91	A-96	D.L.	
						5-13-91	A-17	D.L.	
						81-66	A-10	DG	
						81-66	A-	LP.B	

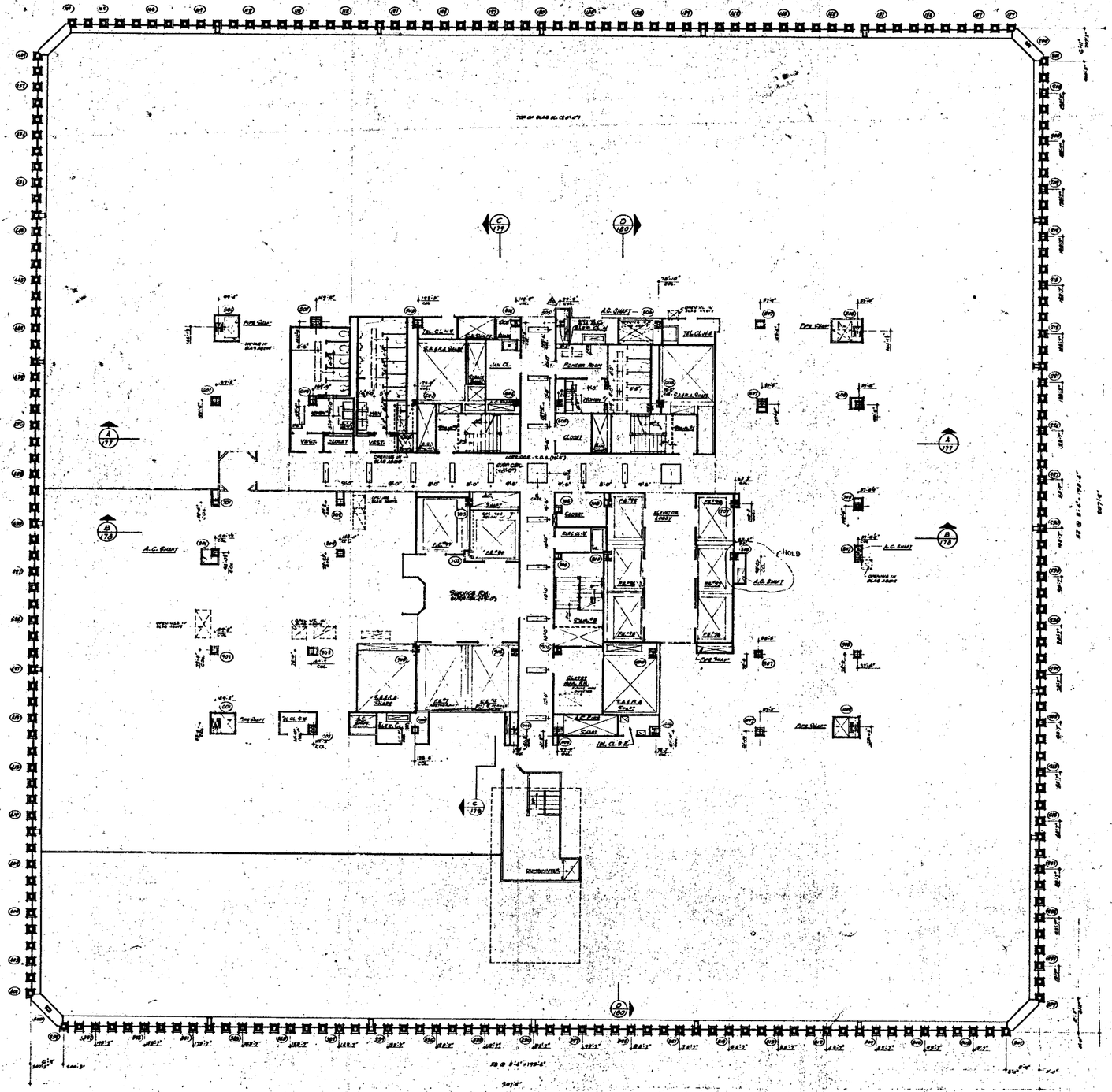
REVISIONS | REVISIONS | REVISIONS

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH P. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, LANDSCAPING

TITLE: 105TH FLOOR CORE PLAN
SCALE: 1/16" = 1'-0"
PROJECT NUMBER:
DRAWING NUMBER: A-A-162



Notes

1. FOR GENERAL NOTES APPLICABLE TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES, DOOR, BORED-IN AND BORROWED LIGHTS SEE DRAWINGS ? AND ? IN SERIES.
2. FOR CONST. DETAILS OF PARTITIONS SEE DRAWINGS ? AND ? IN SERIES.
3. FOR ELEVATOR DOORS SEE DRAWING ? IN SERIES.
4. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
5. FOR MEDIUM CL. AND CLOSET CL. SEE ARCHITECTURAL SPECIFICATIONS FOR PARTITIONS.
6. ALL FURRING UP DOWN TO BE ACCOMPLISHED AT UNDERSIDE OF SLAB SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEVATION.
7. ALL WORK TO BE COORDINATED WITH APPROVED SHOP DRAWINGS.
8. EXTENT OF TRENCH HEATER AND RADIATION.
9. CEILING FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
10. HANGER FOR SUPERIOR CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR POSSIBLE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
11. CORRIDOR & TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCH. TECHNICAL DETAILS.
12. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

Finish Schedule

Space	Floor Finish	Base	Walls Materials	Walls Finish	Ceilings Materials	Ceilings Finish	Remarks
Stair #1, 2, 15	Cement Conc.	Cement Mortar	Concrete Block	Painted	Concrete Slab	Painted	* See Stair Type Sheet for Details
Tel. Cl. Nennebron	Vinyl Asbestos	Ceramic Tile	Gypsum Plaster on Concrete Block	Vinyl Covering	Suspended Acoustical Ceramic Panels		
Elec. Cl. 11'-8"	Ceramic Tile	Carpet Asphalt	Gypsum Plaster on Metal Studs	Painted	Concrete Slab	Painted	
Elec. Cl. 9'-8"	Carpet Asphalt	Painted Asphalt			Steel Deck		
Janitors Closet	Asphalt Tile	Ceramic Tile					
Elevator Lobby *	Ceramic Tile	Ceramic Tile					* See Elev. Type Sheet for Details & Finishes
Corridor							
Tenant Space *							* See Tenant Space Sheets for Requirements & Finishes
Service Rm.							
Closet (Mail Rm.)							
Closet							
Men's Toilet							
Women's Toilet							
Vest. Cabin (Women)							
Powder Room							

Bulletins not dated are in the process of completion

No.	Date	Bull. No.	By
1	1-15-75	A-481	L.J.
2	1-28-75	A-490	L.J.
3	9-17-75	A-602	L.J.
4	1-6-75	A-610	L.J.
5	9-29-76	A-606	L.J.
6	9-15-76	A-604	R.S.
7	9-15-76	A-619	R.S.
8	9-28-78	A-980 REV	L.J.

Contract No.	Drawing	Date	By
9-28-73	A-357	D.S.	
7-17-79	A-950	L.J.	
6-1-79	A-966	L.C.	
VOID	A-966	L.J.	
11-20-71	A-197	L.C.	
11-21-79	A-198	L.C.	
6-28-71	A-164	D.T.	
6-28-71	A-166	D.T.	
6-28-71	A-165	D.T.	
6-28-71	A-167	L.J.	

No.	Date	Contract No.	Drawing	Date	By
6	6-18-7	A-165	L.J.		
5	5-1-79	A-125	L.J.		
4	5-1-79	A-123	L.J.		
3	5-1-79	A-91	R.T.		
2	4-27-76	A-83	L.J.		
1	4-27-76	A-81	L.J.		
	4-27-76	A-45	L.J.		
1	1-30-79	A-88	D.S.		
5	5-29-81	A-88	D.S.		
4	5-29-81	A-19	D.S.		

Revisions

Approved

Chief, Planning Division

Date

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

Title: 106th Floor Plan

Scale: 1/8" = 1'-0"

Drawn: [illegible] Checked: [illegible]

Date: 7-8-77

Project No.

Drawing No. A-A-163

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS & CODE SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-1.0-1 TO A-1.0-4.
2. FOR COMPLETE 5" SCALE FLOOR PLAN SEE DRAWING A-1.0-102
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-1.0-106 AND A-1.0-108
6. ALL HEAVY LINES TO BE INTERPRETED AS UNDERCUTS AT FLOOR FOR A HEIGHT OF 6'-0" WITH A BRADY-ON TYPE K-62 PLASTIC NO. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR TO PROVIDE SIGN BLANKING FOR LOCATION AND INTENT OF TELEPHONE HOODS, AND FIRE HOSE CABINETS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE SHOWN THUS (+0'-0") AND (0'-0") RESPECTIVELY.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EACH AS IN CORRIDOR, STAIR, MECHANICAL ETC., BOTTOM ELEVATION OF ALL P.E.'S AND ELECTRICAL SHALL BE INVERTED AT ELEVATIONS SHOWN TO PROVIDE FOR ACTUAL INSTALLATION AND CLEARANCE OF FULL HEIGHT BEAMS.
9. CONSTRUCTION JOINTS (EXPANSION OVER 25'-0" NOMINAL (25'-6" ACTUAL) OMITTED IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 20' FROM INTERSECTING SEE TYPICAL DETAILS
10. FOR FIREPROOFING OF STEEL STRUCTURAL COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A2.1 TO A-A2.2 & A-1.0-112.
11. FOR FINISH SCHEDULES SEE DRAWING A-1.0-103.
12. FOR TYPICAL TOILET ROOM CHECKLISTS AT ALL MEN AND WOMEN'S TOILETS, ONE DEPARTMENT ON EACH LAVATORY ACCESS DOORS TO RUN FURNISHING VALVES TO BE LOCATED ACCESS PANELS WITH TILE COVERING SEE TYPICAL DETAILS ON DRAWING A-1.0-114.
13. ALL SLAB NOTES KNOWN OTHER THAN 5'-0" SLAB ARE N.I.C. RAISED SLAB.
14. EXTENT OF PUBLIC CORRIDOR, CEIL., AS INDICATED THUS
15. ALL WALL & PARTITIONS SHOWN WITH HATCHING ARE IN THIS CONTRACT ALL WORK NOT HATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK IS BY OTHERS AS NOTED IN THIS CONTRACT CONTRACTOR SHALL COORDINATE HAVE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM UNLESS OTHERWISE SHOWN FOR WORK BY OTHERS, A PAR CONDITION ONLY.

A.C. SHAFT

SERVICE ROOM
SUSP. CEIL. (+9'-0")

ELEVATOR LOBBY
SUSP. CEIL. (+8'-6")

CORRIDOR
SUSP. CEIL. (+8'-0")

PENTHOUSE

A.C. FIRE SHAFT

ALL STAIRS & PART. (N.I.C.) FOR DIMENSIONS & DETAILS SEE TENANT ARCH'TECT'S DWGS.

PART PLAN OF INTERMEDIATE LEVEL

BULLETINS, "A" DATED, WERE ISSUED PRIOR TO BID OPENING

CONTRACT "A" BID DRAWING dated 2-1-68

9-8-75	A-421	LJ	7-17-73	A-150	L.B.	6-28-71	A-105	L.J.	1 A 11	A-47	L.J.												
9-8-75	A-420	LJ	6-1-73	A-166	L.J.	5-17-71	A-120	L.J.	9-29-69	A-31	R.C.												
9-17-75	A-416	L.J.	VOID	A-166	L.J.	5-7-71	A-123	L.J.	9-29-69	A-32	S.C.												
1-8-75	A-410	L.J.	1-30-74	A-213	L.C.	11-8-70	A-108	L.J.	3-29-69	A-3a	A.C.												
9-23-74	A-408	L.J.	11-13-73	A-197	L.C.	9-11-70	A-87	R.S.	9-29-69	A-7	R.C.												
9-23-74	A-406	L.J.	11-7-73	A-196	L.J.	8-20-70	A-86	L.J.	9-29-69	A-7	R.C.												
9-23-74	A-405	L.J.	6-27-73	A-193	D.T.	6-25-70	A-81	L.J.	11-1-62	A-11	M.H.												
9-12-74	A-350 PART 2	L.J.	6-15-73	A-104	D.T.	6-25-70	A-69	L.J.	6-1-68	A-10	D.S.												
11-29-74	A-362	L.J.	6-8-73	A 104	D.T.	1-30	A-34	13	4-17-68	A-9	D.S.												
9-13-72	A-357	D.S.	6-8-73	A-107	L.J.	1-30-71	A-61	13	5-16-68		L.V.L.												

REVISIONS | REVISIONS | REVISIONS | REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, STRUCTURES, FOUNDATIONS

TITLE: 106TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0" | DESIGNED | DRAWN | CHECKED | TRACED
DATE | DATE | DATE | DATE
PROJECT DIRECTOR | PROJECT ARCHITECT | APPROVED | APPROVED
DRAWING NUMBER: A-A-164.3

NORTH

NOTES

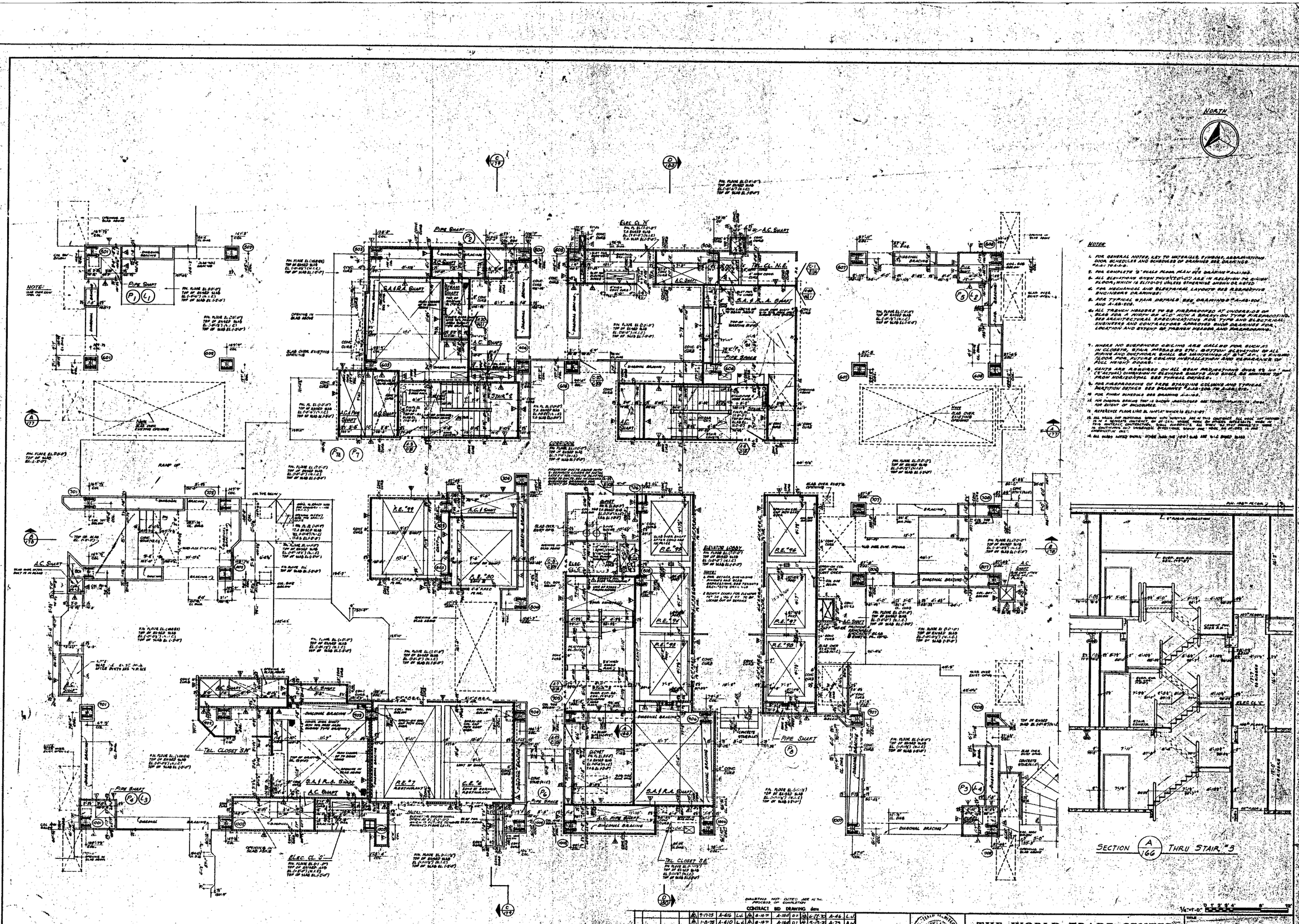
1 - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DWGS. A-A-1-1 TO A-A-1-5.
2 - FOR COMPLETE 6" SCALE CORE PLANS SEE DWG. A-A-100.
3 - ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN CITY DATUM TO FINISH FLOOR UNLESS OTHERWISE SHOWN OR NOTED.
4 - FOR MECHANICAL, CONDUIT AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5 - FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-204 AND A-A-205.
6 - WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN ELEVATOR LOBBIES, CORRIDORS, ETC., CONCRETE SLAB ELEVATION OF 8'-6" AND 9'-0" ABOVE FINISH FLOOR TO UNDERSIDE OF 8" AND 12" DEEP BEAMS RESPECTIVELY, TO PROVIDE A MINIMUM CEILING HEIGHT AND CLEARANCE OF THE MAXIMUM DUCTS.
7 - REFERENCE FLOOR LEVELS ARE AT FINISH FLOOR (SEE SECTION NO. 65 FOR SLOPE)

FINISH SCHEDULE

SPACE	FLOOR FINISH	BASE	WALLS MATERIALS	WALLS FINISH	CEILINGS MATERIALS	CEILINGS FINISH	REMARKS
STAIR #1, 2, 3, 4							
TEL. CL. NO. 3							
ELEC. CL. N & S							
ELEC. CL. E							
CLOSETS							
TENANT SPACE							
ELEVATOR LOBBY							
CORRIDOR							

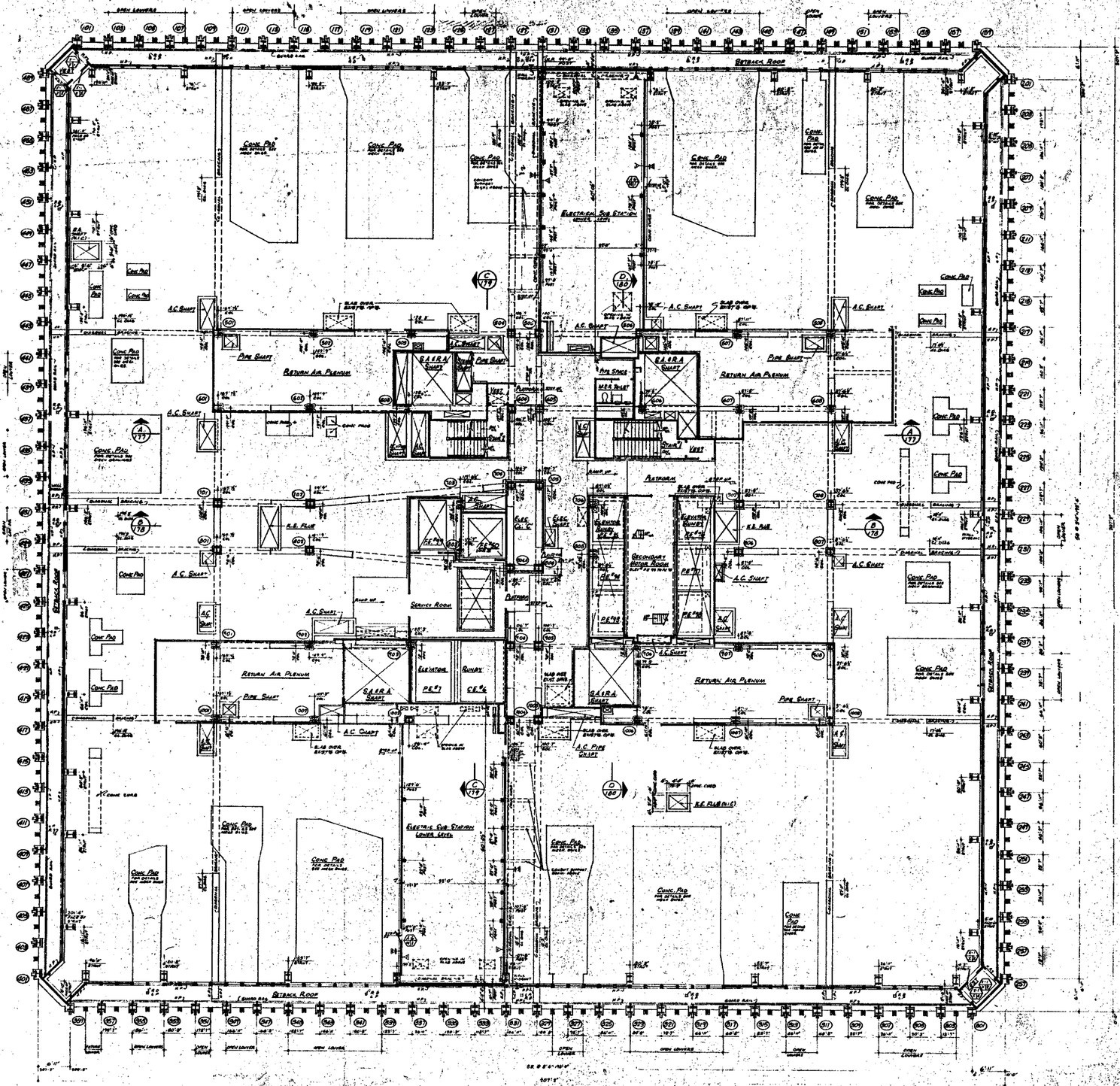
PART PLAN - INTER. LEVEL (N.I.C.)

BUILDING PERMIT NO.	DATE OF ISSUE	DATE OF COMPLETION	CONTRACT NO.	DRAWING	date		
				A-B46	9-20-72	A-104	L.J.
				A-B47	9-20-72	A-105	L.J.
				A-B48	9-20-72	A-106	L.J.



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULES OF DRAINAGE SEE DRAWINGS A-A1-100 AND A-A1-101.
2. FOR COMPLETE 'G' SCALE PLANS, PLAN AND SECTIONS, SEE DRAWINGS A-A1-102 AND A-A1-103.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO AVIATION FLOOR, WHICH IS EL 110'-0" UNLESS OTHERWISE SHOWN OR NOTED.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A6-100 AND A-A6-103.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL REFLECTED PLAN FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR SHALL COORDINATE FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT THE SAME ELEVATION AS FINISH CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CENTS ARE REQUIRED ON ALL DRAIN PENETRATIONS OVER 6% NO 1 PIPE (4" DIAMETER) THROUGH CONCRETE SLABS AND SHALL BE OFFSET TO FROM HORIZONTAL SEE TYPICAL DETAILS.
9. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PENETRATION DETAILS SEE DRAWING A-A6-104 TO A-A6-106.
10. FOR FINISH SCHEDULE SEE DRAWING A-A1-101.
11. FOR DIAGONAL BRACING THAT IS SHOWN UNDISTURBED SEE TENANT DRAWINGS FOR EXTENT OF ENCLOSURES.
12. REFERENCE FLOOR LINE IS UNFAC WHICH IS EL 110'-0"
13. ALL WALLS OR PARTITIONS WORKING WITH SURFACES ARE IN TWO DIRECTIONS ALL WORK ARE MEASURED FROM A REFERENCE CENTERLINE OF OR LINE, UNLESS OTHERWISE NOTED, SHOWN IN THE A-SERIES DRAWINGS. ALL TRUE, ALL TRUE, ALL TRUE,



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, & SCHEDULE OF DRAWINGS SEE DWG. A-1.1 TO A-1.5
2. FOR COMPLETE & SCALE CORE PLAN SEE DWG. A-A-170
3. ALL ELEVATIONS SHOWN THUS (70'-0") ARE IN RELATION TO TOP OF SLAB
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION (70'-0") TOP OF SLAB ELEVATION (69'-8") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, ETC. PARAPET, ETC., BOTTOM ELEVATION OF ALL FURR & DUCTWORK SHALL BE MAINTAINED 6'-8" ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS
7. PROVIDE STEEL CURB SLEEVE AROUND ALL CHECKERED PENETRATING PLATE, CURB TO EXTEND 8" ABOVE INTERSECTION OF CHECKERED PLATE, OR TOP OF CURB

MECHANICAL EQUIPMENT ROOM LOWER LEVEL NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 3" CEMENT FINISH
2. TURN UP MEMBRANE WATERPROOFING 10" (0'-10") AT ALL CURBS SEE TYPICAL DETAILS ON SHEETS A-A6-1 & A-A6-11
3. FOR DETAILS OF CONC. PADS & EQUIPMENT SEE DWG. A-A6-1.16
4. FOR FINAL EXACT LOCATION OF CONC. PADS SEE HVAC ENGINEERS CONTRACTORS DWGS
5. PROVIDE FLOOR CHANNEL SUPPORTS OVER ALL FULL HEIGHT PARTITIONS
6. WHERE RAISED FLOOR & RAISED CONC. (12") ROOF WALL OR 12" CEMENT FINISH OVER 4" SLAB OCCURS, SLOPE TO DRAIN
7. PROVIDE STEEL INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR
8. PROVIDE TROLLY BEAMS, TROLLEYS AND LIFTING RINGS AS REQUIRED SEE SPECIFICATIONS "STRUCTURAL, MECHANICAL, ELECTRICAL" AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS FOR DETAIL OF LIFTING RING SEE DWG. A-A-6

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

	CONTRACT	BID DRAWING	date				
1	9-8-75	A-210	LJ	12-17-71	A-197	LC	6-19-70 A-15 LJ
2	1-16-74	A-148	LJ	12-17-71	A-200	LC	6-19-70 A-26 LJ
3	1-28-74	A-206	LJ	12-17-71	A-164	LC	6-19-70 A-36 LJ
4	4-19-73	A-214	DS	3-8-71	A-176	DS	6-8-70 A-38 AH
5	8-17-73	A-300	LJ	4-16-71	A-164	DS	1-30-70 A-66 LJ
6	6-4-74	A-266	LJ	4-16-71	A-166	DS	1-30-70 A-67 LJ
7	8-1-74	A-267	LJ	6-11-71	A-164	DT	1-30-70 A-67 LJ
8	1969	A-268	LJ	6-1-71	A-125	LJT	8-19-69 A-68 DS
9	10-18-74	A 283	LC	9-1-71	A-125	LJT	8-19-69 A-69 DS
	DATE	ALL NO.	BY	10-1-71	A-125	LJT	8-18-69 A-71 DS
		REVISIONS		10-1-71	A-71	KTA	11-1-68 A-72 MS
				DATE	DWG. NO.	BY	DATE DWG. NO. BY
					REVISIONS		REVISIONS

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 108TH FLOOR PLAN — LOWER MECH EQUIP LEVEL

SCALE: 1/16"-0" — DATE: 4-21-72

PROJECT NO.

DRAWING NO. A-A-169

ELECTRIC SUB-STATION
LOWER LEVEL

A.C. SHAFT

SA&RA SHAFT

M&R TOILET

PIPE SHAFT

RETURN AIR PLENUM

PLATFORM

STAIR

ELEVATOR RUNWAY

SERVICE ROOM

SECONDARY MOTOR ROOM

ELEVATOR CABLE

ELEC. SHAFT

A.C. PIPE SHAFT

ELECTRIC SUB-STATION
LOWER LEVEL

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-1.1 TO A-1.6
2. FOR CONCRETE ½" SCALE FLOOR PLAN SEE DRAWING A-1.101
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION (10'-0") TOP OF SLAB ELEVATION (9'-6") UNLESS OTHERWISE SHOWN OR NOTED
6. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-4.8 TO A-4.10 INC.
7. CURBS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 36" NOMINAL (3'-7" ACTUAL) & OPENINGS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7½" HIGH HORIZONTAL SEE TYPICAL DETAILS
8. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (10'-8") UNLESS OTHERWISE SHOWN OR NOTED
9. PROVIDE 8" MIN. CONC. SLAB BANDS ALL DIAGONALS PERIMETER FLOOR PLANS) DUE TO INTAKE & EXHAUST INTERSECTION OF DIAGONALS IN FLOOR OR TOP OF SLAB

MECHANICAL EQUIPMENT ROOM NOTES

1. MEMBRANE WATERPROOFING 11" TOP OF SLAB WITH 3" CEMENT FINISH OVER
2. TURN UP MEMBRANE WATERPROOFING AT ALL CURBS SEE TYPICAL DETAILS ON DWG. A-4.8 & DWG. A-4.10
3. FOR DETAILS OF CONCRETE PADS FOR MECHANICAL EQUIPMENT SEE DWG. A-4.8 & A-4.10
4. FOR FINAL SIZE & LOCATION OF CONCRETE INSET SEE RELAC & PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE FLASH, CHANNEL, SUMMERS OVER ALL RUN & CONST. OPENINGS IN PARTITIONS. SEE DETAILS ON DWG. A-4.8 & 7.11
6. WHERE FINISH FLOOR IS 4 SERIES ABOVE (10'-0") FLOOR SHALL BE ½" CEMENT FINISH OVER HIGH DENSITY RIGID FOAM FILL
7. PROVIDE 6" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.
8. PROVIDE TEMPORARY HOIST, PIT AND LIFTING BEAMS AS REQUIRED SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS FOR DETAILS OF LIFTING BEAMS SEE DRAWING A-4.8

BULLETINS PROCESS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT	BID DRAWING	dtd.
A-166	A-125	1-30-74
A-168	A-123	1-30-74
A-133	A-123	1-30-74
A-117	A-106	5-13-74
A-100	A-97	3-15-74
A-176	A-73	4-29-74
A-180	A-102	5-23-74
A-182	A-46	11-6-73
A-184	A-65	5-15-74
A-185	A-75	5-23-74

CONTRACT	BID DRAWING	dtd.
A-51	A-51	1-30-74
A-55	A-55	1-30-74
A-47	A-47	1-30-74
A-88	A-88	5-13-74
A-81	A-81	5-23-74
A-92	A-92	5-23-74
A-89	A-89	5-23-74
A-111	A-111	11-6-73
A-10	A-10	6-1-73
A-5	A-5	6-10-74

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	6-1-74	A-166	A	6-1-74	A-125
2	VOID	A-168	B	6-1-74	A-123
3	6-18-74	A-133	C	6-1-74	A-123
4	11-17-73	A-117	D	11-6-73	A-106
5	11-17-73	A-100	E	3-15-74	A-97
6	6-18-74	A-176	F	4-29-74	A-73
7	6-18-74	A-180	G	5-23-74	A-102
8	6-18-74	A-182	H	6-28-74	A-46
9	6-18-74	A-184	I	5-15-74	A-65
10	6-18-74	A-185	J	5-23-74	A-75

APPROVED
Asst. Planning Engineer
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

J.A. KOS, P.E. & ASSOC., INC.
MECHANICAL ENGINEERS

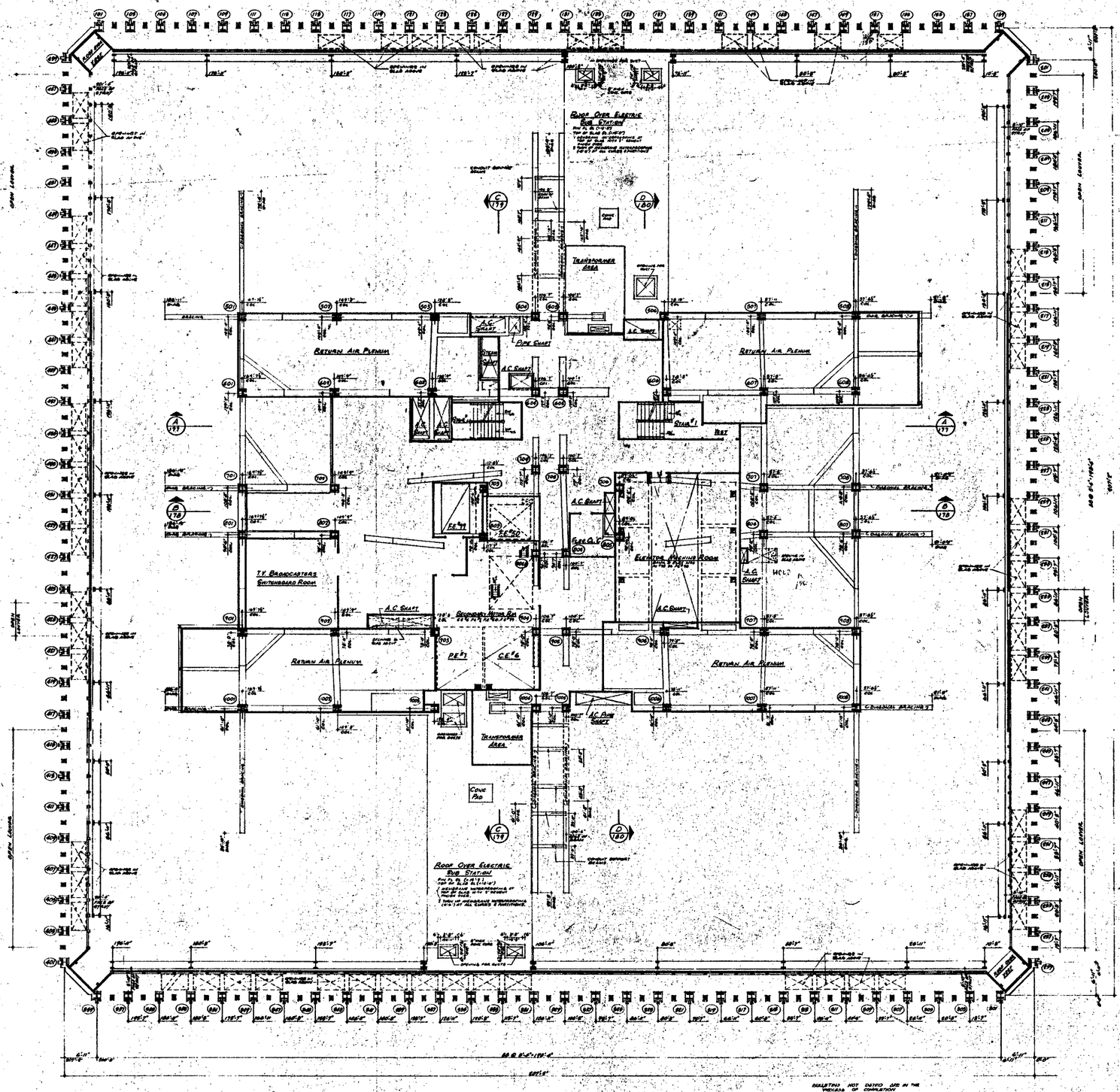
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PILING, STRUCTURE, FOUNDATIONS

TITLE: 108TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM LEVEL

SCALE 1/8" = 1'-0" | DRAWN | CHECKED | DATE 7-31-74

DRAWING NO. A-A-170



NORTH

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS "A-0-1" TO A-0-3.
2. FOR COMPLETE & SCALE CORE PLAN SEE DRAWING "A-A-172.
3. ALL ELEVATIONS GIVEN THUS (0.0'-6") ARE IN RELATION TO TOP OF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWING.
5. FOR TYPICAL STAIR DETAILS, SEE DRAWINGS "A-A-A-104 & A-A-105.
6. WHERE NO DIMENSIONS OR LINES ARE GIVEN FOR SUCH AS IN CLOSETS, STAIR, MEZANIN ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.

MECHANICAL EQUIPMENT ROOM
UPPER LEVEL

Notes:

1. PROVIDE PLANK CHANNEL SUPPORTS WHERE PIPES PASS THRU CONCRETE IN PARTITIONS.
2. PROVIDE 6" STEEL INSULATION AT UNDERSIDE OF SLAB ABOVE, FOR DETAILS SEE DETAILS.

1/8"=1'-0"

CONTRACT & DRAWING Date											
							VOID	A-168	L.J.	9-1-71	A-183
							1-15-76	A-225	L.C.	8-1-74	A-123
							11-17-7	A-197	L.C.	7-11-74	A-97
							12-17-7	A-199	L.C.	6-11-70	A-18
							6-18-71	A-104	D.G.	6-22-70	A-83
							6-18-71	A-103	L.J.	6-22-70	A-82
							6-18-71	A-162	L.J.	6-30-70	A-17
							6-18-71	A-164	L.J.	6-29-69	A-93
							6-18-71	A-165	L.J.	11-1-68	A-11
							9-1-71	A-125	L.J.	8-16-68	

NO.	DATE	BULL. NO.	BY
4	7-2-75	A-180	L.J.
3	1-15-74	A-205	L.J.
2	7-12-74	A-214	R.B.
1	4-5-73	A-214	D.B.
5	6-29-74	A-209	L.J.
4	6-1-73	A-206	L.J.

REVISIONS

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLER & MCKENZIE
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING & UTILITIES, FOUNDATIONS

TITLE: 109TH FLOOR PLAN
UPPER MECH. EQUIP. RM. LEVEL

DRAWN: [illegible] CHECKED: [illegible]
SCALE: 1/8"=1'-0" DATE: 7-31-70
PROJECT: [illegible] SHEET: [illegible]

DRAWING NUMBER: A-A-171

NORTH

ROOF OVER ELECTRIC SUB STATION

TRANSFORMER AREA

RETURN AIR PLENUM

A.C. SHAFT

STAIR #1

STAIR #2

ELEVATOR MACHINE ROOM

SECONDARY MOTOR ROOM

T.V. BROADCASTERS' SWITCHBOARD ROOM

A.C. PIPE SHAFT

TRANSFORMER AREA

ROOF OVER ELECTRIC SUB-STATION

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE SHEET A-0.1 TO A-0.4.
2. FOR CONCRETE (1/4" SCALE) PLANS SEE SHEET A-1.70.
3. ALL ELEVATIONS GIVEN THUS (107'-0") ARE GIVEN IN RELATION TO FINISH 107TH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
5. ALL SUSPENDED CEILINGS ARE TAKEN IN RELATION TO FINISH 107TH FLOOR.
6. FOR TYPICAL STAIR DETAILS SEE SHEET A-4.10 FOR A-4.15 INCL.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS PASSAGES ETC. BOTTOM ELEVATIONS OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT +8'-4" ABOVE FINISHED FLOOR.
8. CAULKS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 15" NOMINAL (1" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 10" FROM HORIZONTAL SEE TYPICAL DETAILS
9. TOP ELEVATION OF SLAB CURED TO BE C-0.27 UNLESS OTHERWISE SHOWN ON METAL

NOTES

1. FOR CONCRETE (1/4" SCALE) PLANS SEE SHEET A-1.70
2. ALL ELEVATIONS GIVEN THUS (107'-0") ARE GIVEN IN RELATION TO FINISH 107TH FLOOR.
3. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
4. ALL SUSPENDED CEILINGS ARE TAKEN IN RELATION TO FINISH 107TH FLOOR.
5. FOR TYPICAL STAIR DETAILS SEE SHEET A-4.10 TO A-4.15 INCL.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS PASSAGES ETC. BOTTOM ELEVATIONS OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT +8'-4" ABOVE FINISHED FLOOR.
7. CAULKS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 15" NOMINAL (1" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 10" FROM HORIZONTAL SEE TYPICAL DETAILS
8. TOP ELEVATION OF SLAB CURED TO BE C-0.27 UNLESS OTHERWISE SHOWN ON METAL

NOTES

1. PROVIDE PLAIN CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG. A-2.03 & 2.12.
2. PROVIDE 1" FIBRE INSULATION AT UNDERSIDE OF SLAB ABOVE, FOR EXTENT, SEE DETAILS.

BULLETINS NOT ISSUED ARE AT THE PROJECT AT TIME OF COMPLETION

		CONTRACT	BID	DRAWING	date			
				1970	A-2.68	L-J	9-11-70	A-97	L-4
				15-17-72	A-1.97	L-C	6-16-70	A-18	L-4
				15-17-72	A-1.99	L-C	6-16-70	A-66	L-4
				P 57-71	A-100	L-C	6-30-70	A-67	L-C
				6-8-71	A-1.64	DS	6-16-69	A-67	L-A
				6-8-71	A-1.65	L-J	6-16-69	A-68	L-B
	7-8-75	A-6.80	L-J	6-1-71	A-1.85	L-J	6-16-69	A-17	L-B
	7-18-74	A-6.08	L-J	6-1-71	A-1.93	L-J	11-1-68	A-11	M-M
	7-18-74	L-6.6	RB	6-1-71	A-1.93	L-J	6-1-68	A-16	DS
	6-1-74	A-1.66	L-J	6-1-71	A-1.95	L-J	6-16-68	A-6	DS
NO.	DATE	BILL NO.	BY	NO.	DATE	BILL NO.	BY	NO.	DATE	BILL NO.	BY
	REVISIONS				REVISIONS				REVISIONS		

APPROVED

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

STRUCTURAL ENGINEERS — SKILLING, HELLE & JACKSON

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — DAVID ROCKEFELLER, CHAIRMAN

TITLE: 109TH FLOOR CORE PLAN

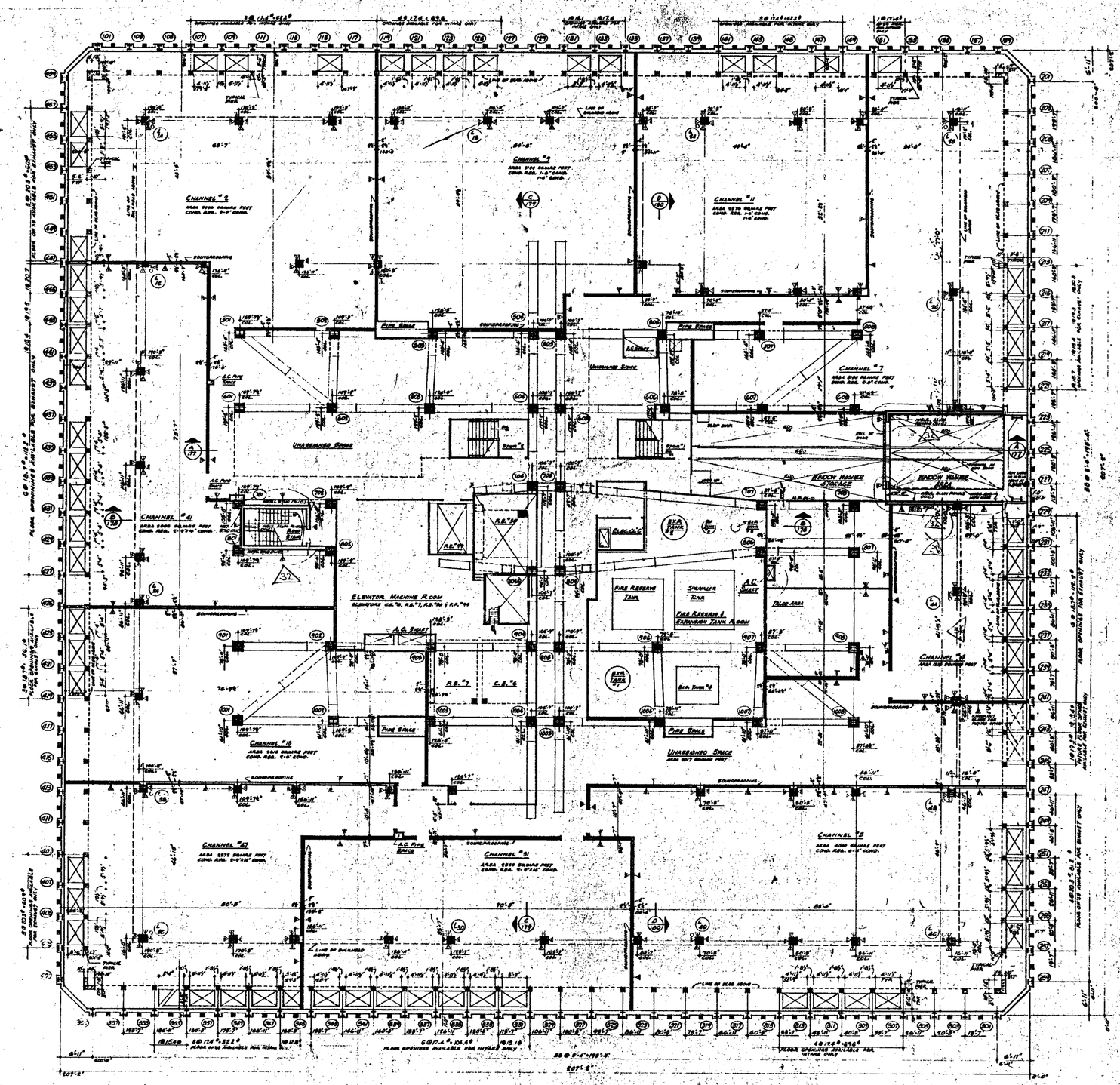
UPPER MECH EQUIP RM. LEVEL

DRAWN: [illegible] CHECKED: [illegible]

SCALE: 1/16"=1'-0" DATE: 7-15-67

PROJECT NO. [illegible] CONTRACT NO. [illegible]

DRAWING NUMBER: A-A-172



NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-A1/176.A-A.
2. FOR COMPLETE 1" SCALE CORE PLAN, SEE ONE 1" A1/176
3. ALL ELEVATIONS GIVEN THUS (110'-0") ARE IN RELATION TO TOP OF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. "A-AB-1045 & A-AB-1051
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

FINISH SCHEDULE

SPACE	FLOOR FINISH	BASE	WALLS MATERIALS	WALLS FINISH	CEILINGS MATERIALS	CEILINGS FINISH	REMARKS
STAIRS "1&2"							
ROOF STAIR "							
ELEV. MACH. RM.							
FIRE RM. FOR TANK RM.							
WINDOW WASHER STOR.							
WINDOW WASHER AREA							
UNASSIGNED SPACE							
TELCO							
CHANNELS							

CHANNEL NUMBERS	TOTAL AIR REQUIRED FOR INTAKE & EXHAUST (CUBIC FEET PER MINUTE)	AREA OF OPENINGS REQUIRED FOR INTAKE (SQUARE FEET PER SQUARE FOOT)	AIR INTAKE: FLOOR OPENINGS NUMBER	AIR INTAKE: FLOOR OPENINGS TOTAL AREA	AIR INTAKE: ROOF OPENINGS NUMBER	AIR INTAKE: ROOF OPENINGS TOTAL AREA	AIR EXHAUST: FLOOR OPENINGS NUMBER	AIR EXHAUST: FLOOR OPENINGS TOTAL AREA	AIR EXHAUST: ROOF OPENINGS NUMBER	AIR EXHAUST: ROOF OPENINGS TOTAL AREA
1	46,000	96	38/17.6 / 22.2	62.2	58/46.7 to 59/46.7	96.1	36 203 / 60.9	60.9	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	96.1
—	—	—	—	—	—	—	—	—	—	—
4	51,000	106	—	—	3 58/37-38 / 58/46.7 to 59/46.7	196.8	58/18.7 / 11.2	11.2	—	—
5	36,000	70	38/17.6 / 52.6	69.6	—	147.8	36 203 / 61.2	61.2	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	220.9
—	—	—	—	—	—	—	58/18.7 to 58/46.7	96.1	—	—
7	40,000	80	38/17.6 / 17.6	17.6	3 58/37-38 / 58/46.7 to 59/46.7	196.8	36 58/46.7 to 59/46.7	96.1 / 61.2	58/46.7 to 59/46.7	87.6
—	—	—	—	—	—	—	—	—	—	—
9	56,000	49	38/17.6 / 70 (58/46.7)	105.1	—	—	—	—	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	105.1
11	40,000	80	38/17.6 / 52.6	52.2	—	—	—	—	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	189.9
13	14,3000	29	—	—	58/46.7 to 59/46.7	106.8	36 58/18.7 to 58/46.7	96.1	—	—
51	73,000	146	58/51-104 / 104.5-118.1	122.5	—	—	—	—	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	96.1
41	87,000	174	—	—	—	—	3 58/46.7 to 59/46.7	96.1	—	—
47	68,000	136	38/17.6 / 58/46.7 / 58/46.7 / 52.6	80.4	—	118.1	36 20.5 / 60.9	60.9	58/46.7 to 59/46.7 / 58/46.7 to 59/46.7	198.4
—	—	—	—	—	—	—	—	—	—	—
UNASSIGNED SPACE	—	—	—	—	—	—	58/18.7 to 58/46.7	96.1	58/18.7 to 58/46.7	37.3

NOTES:
1. SIZE OF FLOOR OPENINGS VARY SEE SCHEDULE ABOVE FOR SIZE.
2. ALL ROOF OPENINGS ARE AT INNER WELLS 183'-9" AND 41' OUTER WELLS 164'-8" UNLESS OTHERWISE SHOWN ON NOTED.
3. FLOOR OPENINGS AT NORTH AND SOUTH SIDES ARE FOR INTAKE ONLY.
4. FLOOR OPENINGS AT EAST AND WEST SIDES ARE FOR EXHAUST ONLY.
5. ALL FLOOR OPENINGS AND ROOF OPENINGS AT INNER WELLS NOT UTILIZED SHALL REMAIN AS PART OF STRUCTURAL CONCRETE SLABS.
6. ALL PERIMETER FLOOR OPENINGS TO BE PROVIDED WITH GRATINGS, RAILINGS OR DUCTWORK BY TENANT.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
COVERAGE AND TOWARING others

REVISIONS												
NO.	DATE	BULL. NO.	BY	NO.	DATE	BULL. NO.	BY	NO.	DATE	BULL. NO.	BY	
				1	7-17-73	A-841	L.L.	1	8-17-71	A-197	L.C.	
				2	6-19-74	A-381	L.L.	2	11-17-71	A-199	L.C.	
				3	6-19-74	A-308	L.L.	3	11-17-71	A-198	L.C.	
				4	6-1-74	A-864	L.L.	4	11-17-71	A-200	L.C.	
1	4-17-75	A-416	J.K.	5	6-1-74	A-863	L.L.	5	8-24-71	A-179	L.L.	
2	9-15-75	A-480	L.L.	6	6-1-74	A-764	L.L.	6	8-26-71	A-180	L.L.	
3	9-19-74	A-408	L.L.	7	6-1-74	A-848	L.L.	7	8-18-71	A-178	L.L.	
4	7-26-74	A-398	L.L.	8	7-10-74	A-868	L.L.	8	8-18-71	A-181	D.T.	
5	7-1-74	A-671	L.K.	9	6-1-74	A-854	L.L.	9	8-18-71	A-164	D.T.	
6	11-21-74	A-866	L.L.	10	6-19-74	A-720	L.C.	10	8-19-71	A-167	D.G.	
								11	8-26-71	A-166	L.L.	
								12	8-18-71	A-165	L.L.	
								13	9-1-71	A-185	L.L.	
								14	9-1-71	A-183	L.L.	
								15	9-11-70	A-21	L.C.	
								16	9-25-70	A-18	L.L.	
								17	9-29-70	A-68	L.L.	
								18	9-29-70	A-69	L.L.	
								19	9-29-70	A-70	L.L.	
								20	9-29-70	A-8	D.G.	

SUBMITTED
CHIEF PLANNING ENGINEER
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
EMERY ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & MCKENZIE
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL CONSULTANTS

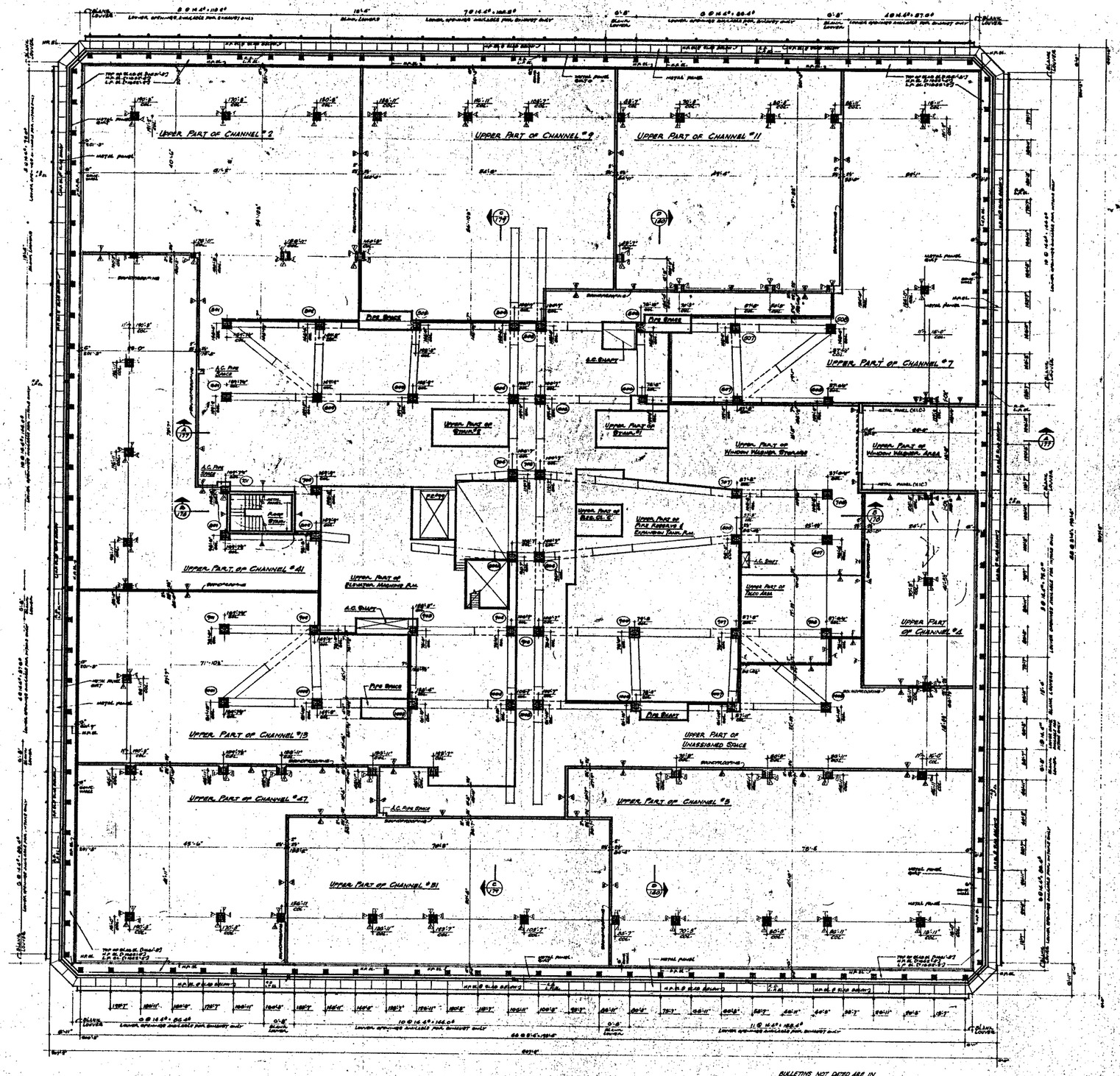
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 110TH FLOOR PLAN

SCALE: 1/16"-0" | DATE: 7-31-67

DRAWING NO. A-A-173



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, TYPES, ASSEMBLIES AND DRAWINGS OF BUILDING SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR ENLARGED 16" SCALE CORE PLANS SEE DWG. A-A-170.
3. ALL DIMENSIONS GIVEN FROM CENTER LINES OF PARTITIONS TO FINISH FACE WALLS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROPRIATE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR, DETAILS SEE DWGS. A-A-20, 21 & A-A-200.
6. ALL ELEVATIONS GIVEN FOR FINISH AREAS OR FLOORING, TO BOTTOM OF SUBFLOOR.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BULL. NO.	BY
		9-17-75	A-416	H.K.

REVISIONS

CONTRACT	BID	DRAWING	date
9-8-75	A-480	L.J.	6-1-76	A-856	L.J.
9-23-76	A-606	L.J.	5-21-76	A-220	L.C.
9-28-76	A-649	R.S.	12-17-71	A-197	L.C.
	A-607	J.M.	12-17-71	A-199	L.C.
1-22-76	A-503	L.J.	12-17-71	A-198	L.C.
7-17-75	A-541	L.D.	12-17-71	A-200	L.C.
11-10-75	A-546	D.S.	6-24-71	A-480	L.J.
6-1-76	A-856	L.J.	6-15-71	A-176	L.J.
6-1-76	A-857	L.J.	6-15-71	A-177	L.J.
V.O.10	A-868	L.J.	6-15-71	A-1664	D.T.

REVISIONS

REVISIONS

REVISIONS

REVISIONS

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
HIROSHI YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARSONS BRINCKERHOFF-TUDOR-BECHTEL

SCALE 1/16"=1'-0" 0 4" 8" 16" 24"

110TH FLOOR INTERMEDIATE LEVEL PLAN (AT EL. +21'-0")

DRAWN | CHECKED | DATE

SCALE 1/16"=1'-0" | DATE

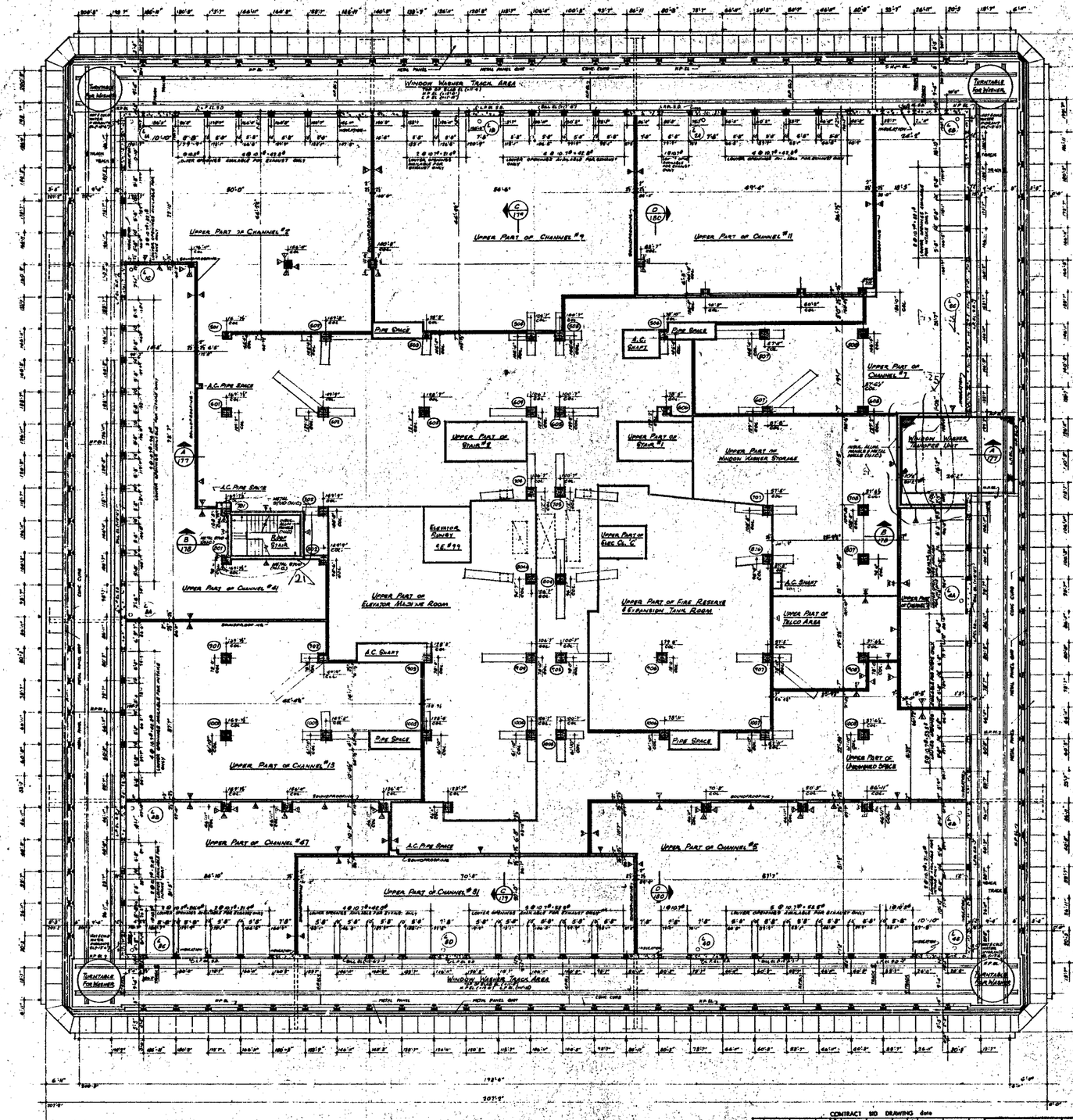
PROJECT NUMBER | SHEET NUMBER

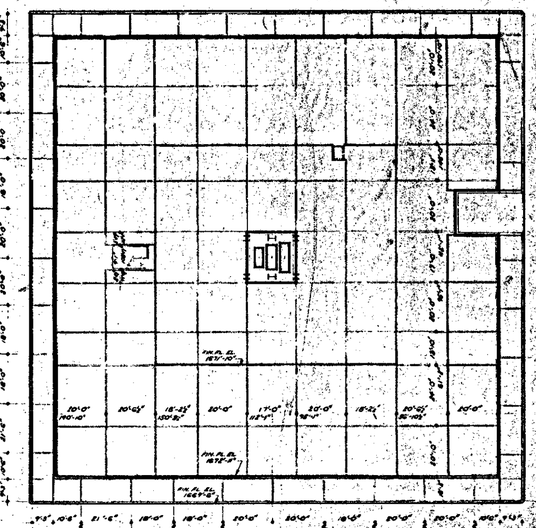
DRAWING NUMBER A-A-173A

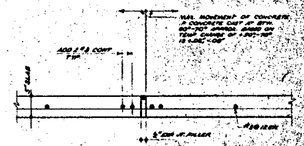
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR & FRAME SCHEDULE AND REFERENCE OR DIAGRAMS SEE DWGS. A-001 TO A-009.
2. ALL ELEVATIONS GIVEN THUS (100'-0") ARE TAKEN IN RELATION TO FINISH TOP FLOOR.
3. FOR CONCRETE & SLAB CORE PLAN SEE DRAWING # A-170.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS # 1-B1 THRU # 4-B1 SERIES.
6. FOR REQUIRED AIR INTAKE & EXHAUST OPENINGS FOR CHANNELS SEE CHART ON DRAWING # A-A-171.
7. FOR WINDOW WASHER TRACK SUPPORTS, TURN TABLE, SUPPORTS & TURNTABLE SEE STRUCTURAL ENGINEERS & WINDOW WASHER CONTRACTORS APPROVED SHOP DRAWINGS.
8. FOR FINISH SCHEDULE SEE DRAWING A-A-175.







NOTE: REINF. BARS ARE FURNISHED IN 20'-0" LENGTHS WHERE PRACTICAL JOINTS SHALL BE 20'-0" TO 20'-6" ON CENTER.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BULL. NO.	BY
1	9-17-70	A-416	J.K.
2	9-15-70	A-420	L.J.
3	9-29-70	A-400	L.J.
4	10-29-70	A-499	C.C.
5		A-407	J.K.

REVISIONS

NO.	DATE	BULL. NO.	BY
1	7-17-70	A-341	L.J.
2	11-10-70	A-316	D.B.
3	8-19-70	A-303	D.B.
4	8-19-70	A-301	L.J.
5	8-1-70	A-254	L.J.
6	8-1-70	A-198	L.J.
7		A-100	L.J.
8	8-1-70	A-245	L.J.
9	8-19-70	A-278	L.C.
10		A-199	L.C.

REVISIONS

NO.	DATE	BULL. NO.	BY
11	11-17-70	A-197	L.C.
12	11-17-71	A-198	L.C.
13	12-17-71	A-200	L.C.
14	9-15-71	A-172	G.B.L.
15	6-18-71	A-167	D.S.
16	6-18-71	A-168	L.J.
17	4-2-71	A-169	L.J.
18	4-1-71	A-183	L.J.
19	3-31-71	A-92	L.J.
20	3-22-71	A-18	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

CONTRACT NO. DRAWING date

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKIDMORE, OWINGS, MERRILL & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES FOUNDATIONS

TITLE: 110TH FLOOR UPPER LEVEL PLAN (AT EL 44'-0")

DRAWN	E.B.C.	CHECKED	
SCALE	1/8"=1'-0"	DATE	4-30-69
APPROVED		DATE	

A-A-174

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6
2. FOR COMPLETE 1/8" SCALE ROOM PLANS SEE DWG. A-P1.1 TO A-P1.4.
3. ALL ELEVATIONS GIVEN SHOP DWG. ARE IN RELATION TO FINISH ROOMS
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE REPRINTED DWG. HEERS DRAWING
5. FOR TYPICAL STEEL DETAILS SEE DRAWINGS A-S1.0 & A-S1.01
6. CURTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 4" NOMINAL (4" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL
7. FOR FINISH SCHEDULE SEE DRAWING A-A.1.1.79.
8. PROVIDE CONCRETE INSERTS IN SLAB ABOVE. FOR NUMBER AND LOCATION OF INSERTS SEE TENANT DWG No. 8006A&B.
9. ALL WALLS AND PARTITIONS SHOWN WITH NOTHING ARE IN THIS CONTRACT. ALL WORK NOT MATCHED IS IN A SUBSEQUENT CONTRACT, BY OTHERS WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. (PARTITIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.)

CHANNEL #2 · CHANNEL #9 · CHANNEL #11 · CHANNEL #7 · CHANNEL #4 · CHANNEL #61 · CHANNEL #13 · CHANNEL #97 · CHANNEL #81

UNASSIGNED SPACE · A.C. PIPE SPACE · PIPE SPACE · A.C. SHAFT · ROOF STAIR · STAIR #1 · STAIR #2 · WINDOW WASHER STORAGE · WINDOW WASHER REEL · FIRE ALARM CONTROL PANEL · FIRE RISER & EXPANSION TANK ROOM · SPRINKLER TANK 40,000 GAL. CAP. · EXPANSION TANK #1 · EXPANSION TANK #2 · TELCO · ELEVATOR MACHINE ROOM · ELEVATORS C-1 TO C-11 TO FLOOR 50 FPM

BUILDINGS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT	BID DRAWING date								
		8-24-71	A-387	LJ	11-17-71	A-200	LC	9-1-71	A-133	LJ
		8-24-71	A-388	LJ	11-17-71	A-198	LC	9-1-70	A-97	AA
7-17-72	A-816	LJ	6-1-72	A-868	LJ	11-17-71	A-199	LC	6-22-70	A-19	LJ
9-15-72	A-820	LJ	6-1-72	A-867	LJ	6-26-72	A-179	LJ	1-30-70	A-67	LJ
7-19-72	A-828	LJ	6-1-72	A-868	LJ	6-26-72	A-180	LJ	8-25-69	A-28	LJ
9-29-72	A-846	DE	6-1-72	A-866	LJ	6-26-72	A-178	DBA	11-1-68	A-11	MM
	A-407	LJ	VOID	A-868	LJ	6-26-72	A-166	DE	2-1-68	A-10	DE
1-26-73	A-866	LJ	6-1-72	A-866	LJ	6-26-72	A-165	LJ	6-27-68	A-2	DE
7-17-73	A-548	LJ	7-26-72	A-218	LC	6-26-72	A-163	LJ	6-27-68	A-12	DE
7-17-73	A-341	LJ	11-17-71	A-177	LC	7-1-71	A-133	LJ	5-16-68		MM

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — GEOTECHNICAL CONSULTANTS
HENRY ROTH & SONS — MECHANICAL ENGINEERS
RICHARD ROTH, ARCHITECT — MECHANICAL ENGINEER
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

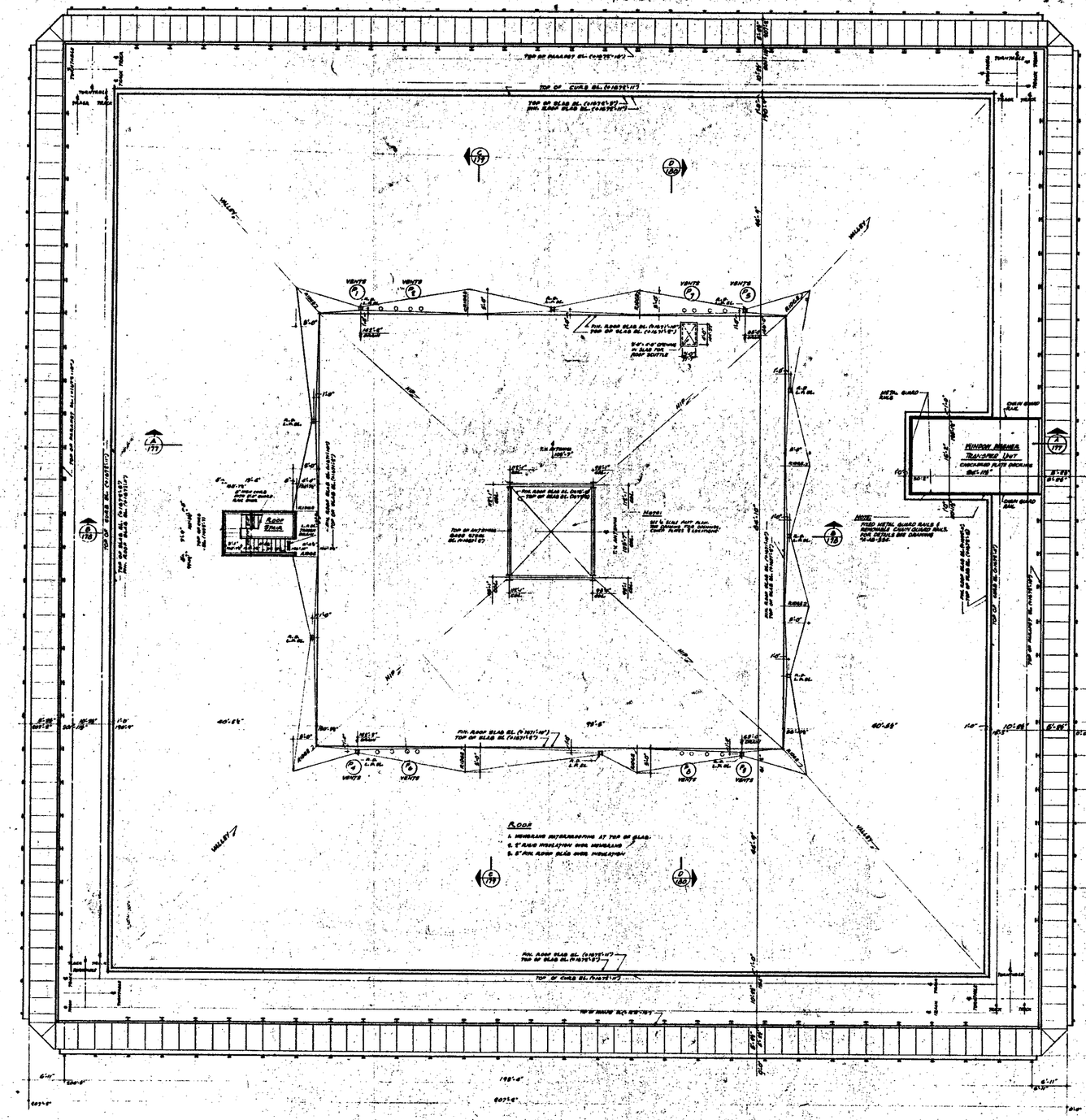
1/8"=1'-0"

TITLE: 110TH FLOOR CORE PLAN

DESIGNED		DRAWN	
SCALE	1/8"	DATE	7-31-67
APPROVED		DATE	
CONTRACT NUMBER			

A-A-175

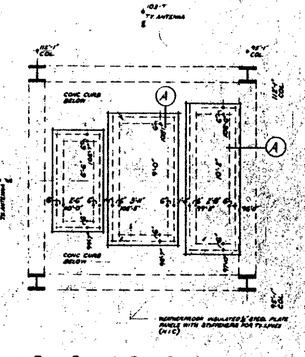
3



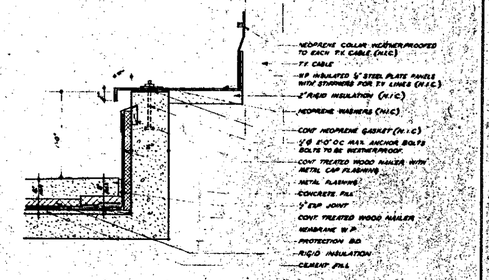
NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, ROOM SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWINGS "A-A-1 TO A-A-8.
2. ALL ELEVATIONS GIVEN, THUS (+0'-0") ARE IN RELATION TO DATUM.
3. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.



PART PLAN AT BASE OF MAST
SCALE 3/4"=1'-0"



DETAIL A
SCALE 1 1/2"=1'-0"

BULLETINS MUST BE DATED AS OF THE PROCESS OF COMPLETION

CONTRACT | BID | DRAWING | date

				11-27-71	A-199	LC
				10-27-71	A-200	LC
				11-29-71	A-169	LC
				6-8-71	A-166	DD
				6-18-71	A-164	LC
				9-1-71	A-163	LB
				9-11-70	A-97	E.C.
5-30-78	A-214	L.J.		6-12-70	A-19	L.J.
8-29-78	A-203	L.J.		5-23-69	A-28	[illegible]
1-28-78	A-210	L.C.		6-10-68	A-5	O.G.

REVISIONS | REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

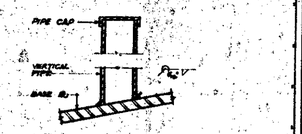
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: BULKHEAD ROOF AND COPING PLAN

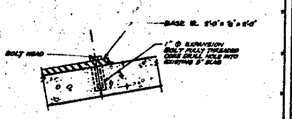
1/16"=1'-0" 0 4' 8' 16' 32'

DRAWN	L.J.	CHECKED	
SCALE	3/32"=1'-0"	DATE	4-25-72
PROJECT		SHEET	OF
DRAWING NUMBER	A-A-176		

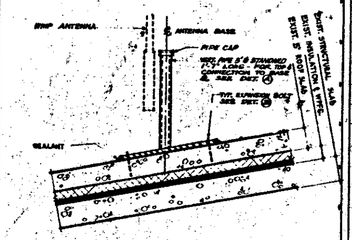


DETAIL Ⓐ
3"=1'-0"

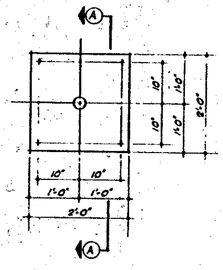
NOTE: PIPE AXIS ALLOWED TO BE CALIBRATED AFTER SEISMIC PIPE TO BE MAINTAINED IN A VERTICAL POSITION



DETAIL Ⓑ
3"=1'-0"

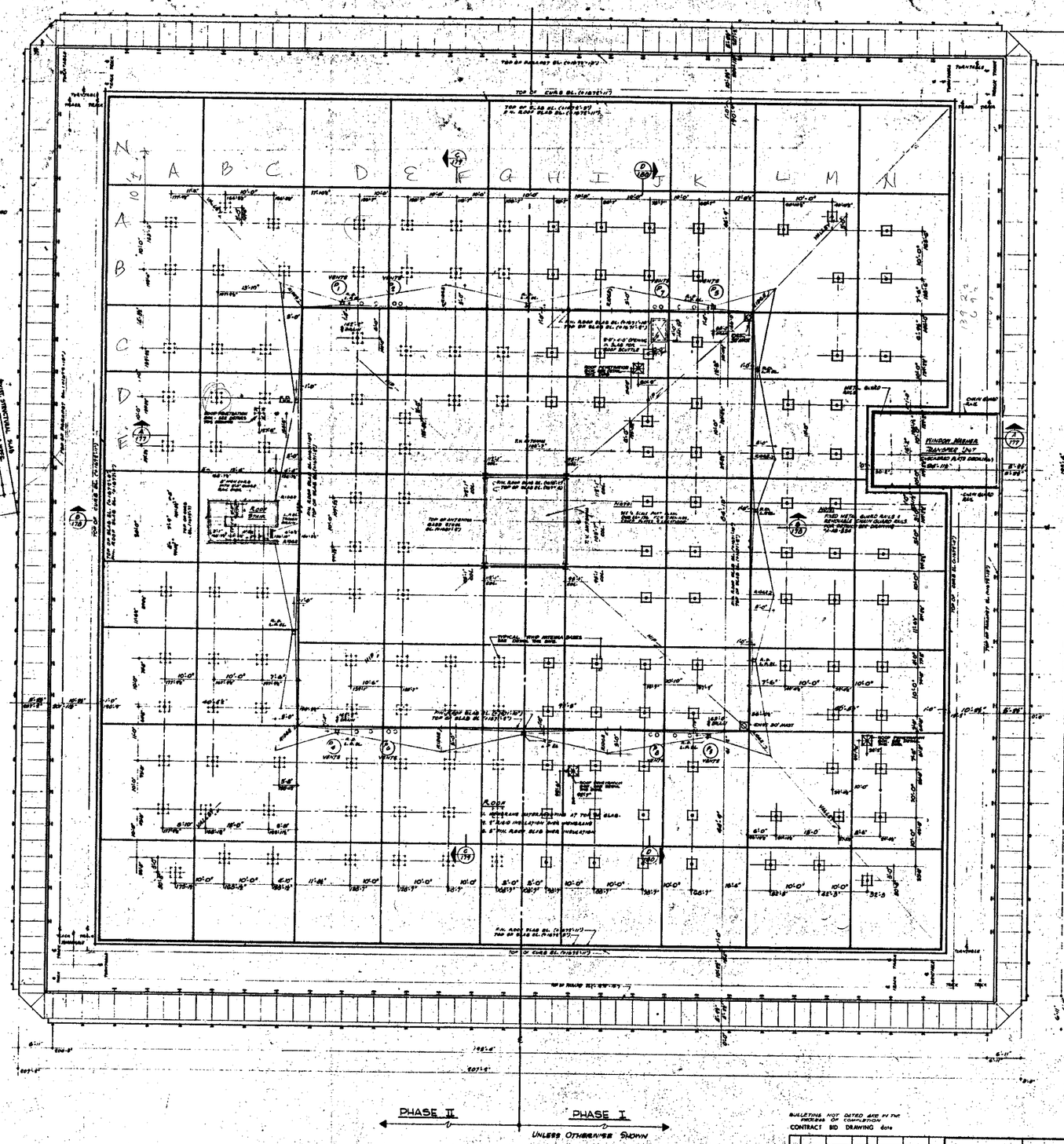


SECTION 'A-A'
1"=1'-0"



TYPICAL BASE PLATE
SCALE: 1"=1'-0"

WHIP ANTENNA BASES


N
A
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9
10
TOP OF ROOF SLAB EL. (+1075'-0")
TOP OF CURB EL. (+1078'-0")
TOP OF PARAPET EL. (+1081'-0")
TOP OF ANTENNA BASE STEEL EL. (+1087'-0")
TOP OF ANTENNA BASE EL. (+1085'-0")
TOP OF ANTENNA
WINDOW WASHER TRAVELER UNIT
STORED IN AUX. GROUND
SEE DRAWING
NOTE:
FIXED METAL GUARD RAILS & REMOVABLE CHAIN GUARD RAILS SEE DRAWING
TYPICAL WHIP ANTENNA BASES
VENTS
ROOF CONSTRUCTION SEE DRAWING
SEE DRAWING
SEE DRAWING

NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-8.
2- FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-A-100 TO A-A-175
3- ALL ELEVATIONS WITHIN THUS (80'-0") ARE IN RELATION TO FINISH FLOOR.
4- FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5- FOR TYPICAL STAIR DETAILS SEE SHOP A-A-B-206 & A-A-B-208
6- FINISH FLOOR AND TOP OF SLAB ELEVATIONS ARE (80'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7- FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-B-200 TO A-A-B-218.
8- FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-A-167 TO A-A-174
9- ALL WALLS & PARTITIONS & SLABS ABOVE WITH WHICH ARE IN THIS CONTRACT, ARE WHERE NOT MATCHED IN IN A SEPARATE CONTRACT BY OTHERS, WHERE WHEN BY OTHERS INTERSECT, WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL MAKE READY THAT EXPOSED WALLS IS CONTINUOUS AND IN GENERAL CONDITIONS WORK FOR WORK BY OTHERS IS FOR COORDINATION ONLY.

CONTRACT BID DRAWING data

NO.	DATE	DESCRIPTION	BY
1		A-407	L.J.
2	9-23-76	A-406	D.K.
3		A-404	J.K.
4	5-30-74	A-394	L.J.
5	7-17-73	A-348	L.B.
	VOID	A-348	L.J.
6	6-15-71	A-183	L.J.
7	5-1-71	A-183	L.J.
8	4-1-71	A-183	L.J.
9	5-1-70	A-177	L.J.

REVISIONS

APPROVED

OWNER'S AUTHORIZED APPROVAL
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVERS, UTILITIES, / PREPARATION

TITLE: TOWER SECTION "A"

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	1-1-70
PROJECT		SHEET	
DRAWING NO.	A-A-177		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE & DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.4.
2. FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-2.1A TO A-2.7D.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO HIGH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FURRING & PARTITIONS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (3" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MIN. HOUR 15° FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITION DETAILS SEE DRAWING "A" AND PARTITION SCHEDULE ON DRAWING A-1.3.
9. FOR MECHANICAL EQUIPMENT ROOM HEIGHTS SEE DRAWINGS P-A.1 (R) TO A-4.1 (R).
10. ALL WALLS, PARTITIONS (ALSO SHOWN WITH HATCHING) ARE IN THIS CONTRACT, UNLESS NOT DETAILED (R.U.) & SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM. ALL DIMENSIONS SHOWN ON WORK BY OTHERS IS FOR COORDINATION ONLY.

ROOF
1" BUILT-UP ROOFING WITH GRAVEL IN PLACE ON
2" RIGID INSULATION OVER MEMBRANE
3" PRE-CAST CONCRETE ROOF SLAB OVER INSULATION

ROOF STAIR
R.F.B. (+2'-6")
TOP OF SLAB EL. (+0'-6")
TOP OF SLAB EL. (+7'-6")
HANDRAIL AT TOP OF SLAB WITH CONC. PAN STAIRS.

ELEVATOR MACHINE ROOM

UPPER PART OF MECHANICAL EQUIPMENT ROOM

MECHANICAL EQUIPMENT ROOM

TENANT SPACE

SECONDARY MOTOR ROOM
TOP OF SLAB EL. (+0'-6")

CORRIDOR

ELEC. CL. 'C'

ELEVATOR SHAFT

ELEVATOR LOBBY

FIRE RESERVE & EXPANSION TANK ROOM

WINDOW WASHER STORAGE

F.F. #99

F.F. #80

CONTRACT	BID	DRAWING	date		
			9-25-72	A-507	DG
			10 I D	A-906	L.J.
			6-1-73	A-556	L.J.
			12-27-73	A-199	L.C.
			11-27-74	A-196	L.C.
			9-19-11	A-176	GBL
9-25-74	A-459	J.R.	6-18-75	A-166	D.T.
	A-607	J.R.	6-18-75	A-166	L.J.
1-29-76	A-568	L.J.	2-1-77	A-123	
1-17-78	A-848	L.J.	6-1-170	A-97	L.J.

NO. DATE REVISIONS — DWG. NO. BY

NO. DATE REVISIONS — DWG. NO. BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

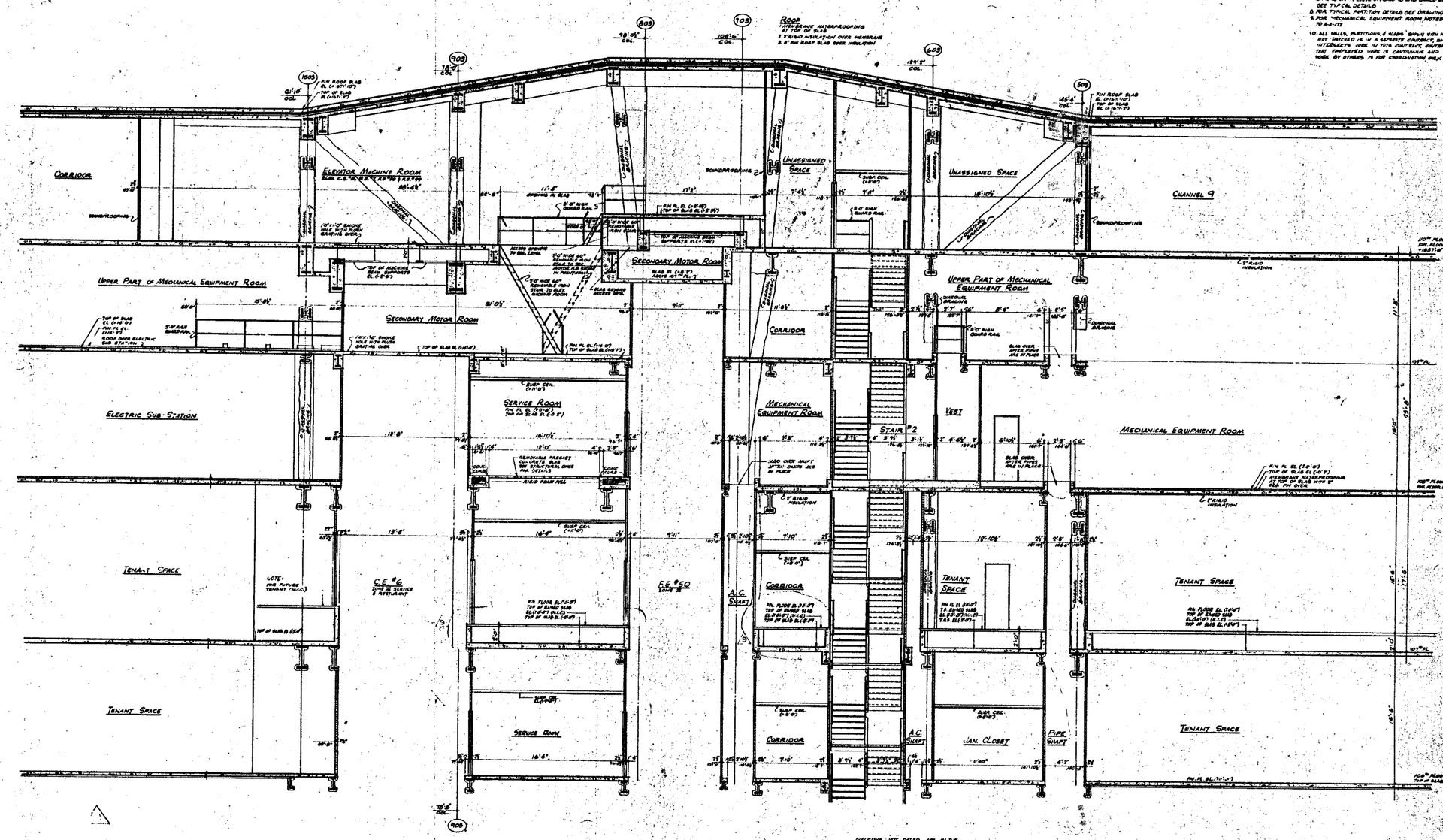
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION SECTION 'B'

DRAWN	E.P.C.	CHECKED	
SCALE	1/16"	DATE	6-1-70
PROJECT		DATE	
SUBMITTED		DATE	
APPROVED		DATE	

DRAWING NO. A-A-176

1/16"=1'-0" 0 1' 2' 3' 4' 8' 12'



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, BY-LOCO, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWING SEE DRAWINGS A-1-103 TO A-1-110 TO A-1-6
2. FOR COMPLETE FLOOR PLAN SEE DRAWINGS A-1-103 TO A-1-176
3. ALL ELEVATION GIVEN THUS (00'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO DOOR NOTED CLOSETS ARE CALLED FOR EACH 10' IN CORRIDORS, STAIR PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR SUSPENDED CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
7. CANT SLABS REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (3" ACTUAL) DIMENSION. 1. ELEVATOR SHAFTS AND SHALL BE MAINTAIN 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-1-105 TO A-1-113
9. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-1-103 TO A-1-176
10. ALL WALLS, PARTITIONS, FLOORS SHOWN WITH HATCHING ARE IN THIS CONTRACT ALL OTHER NOT SATISFIED OR IN A SEPARATE CONTRACT, BY OTHERS, UNLESS NOTED. WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK TO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. INSTALLATIONS SHOULD FOR WORK BY OTHERS. IN FOR CONSTRUCTION ONLY.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date

NO.	DATE	SUB. NO.	BY
1	9-20-74	A-606	R.B.
2	9-20-74	W.B.#18	L.L.
3	9-26-74	A-207	D.D.
4	VOID	A-608	L.L.
5	11-27-74	A-199	L.C.
6	11-27-74	A-196	L.C.
7	2-1-71	A-163	L.T.
8	2-1-71	A-163	L.T.
9	6-11-76	A-97	L.C.

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

REGISTERED ARCHITECT

APPROVED

DIRECTOR, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL & ELECTRICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
CIVIL ENGINEERS & SURVEYORS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION & SECTION "C"

DRAWN	A.P.C.	APPROVED	
SCALE	1/16"=1'-0"	DATE	7-30-70
PROJECT NO.		SHEET	7
DRAWING NO.	A-A-179		

1/4"=1'-0" 0 1 2 3 4 8 16'

EL. 284

A.C. SHAFT

EL. 294

A.C. SHAFT

EL. 274

A.C. FAN ROOM

EL. 284

EL. 294

EL. 274

A.C. SHAFT

EL. 310

EL. 264

EL. 284

A.C. FAN ROOM

EL. 253

EL. 294

EL. 242

SECTION (A-A / 18) STAIR · J-4

SECTION (A-A / 18) STAIR · K-1

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, WALL SCHEDULE, DOOR SCHEDULE, AND REMOVALS OF BUILDINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS. A-2.10-204 AND A-2.10-206.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE SUBMITTED DRAWINGS.
5. GLAZED AND CERAMIC BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

BULLETINS NOT DATED ARE IN THE PROCESS OF CONNECTION

CONTRACT	BID	DRAWING	date 6-1-69
	7-17-73	A-245	L.B.
	1-30-70	A-46	L.H.
	1-30-70	A-47	L.H.
	4-11-69	A-28	L.H.L.
	1-15-69	A-18	K.T.J.
	11-1-68	A-11	H.M.
	8-26-68	A-10	C.G.
	8-26-68	A-9	H.G.
	4-19-68	A-7	C.G.
5-8-73	84-305	C.G.	5-18-68		J.W.L.

NO. DATE SUB. NO. BY — REVISIONS — NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF PLANNING ENGINEER

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

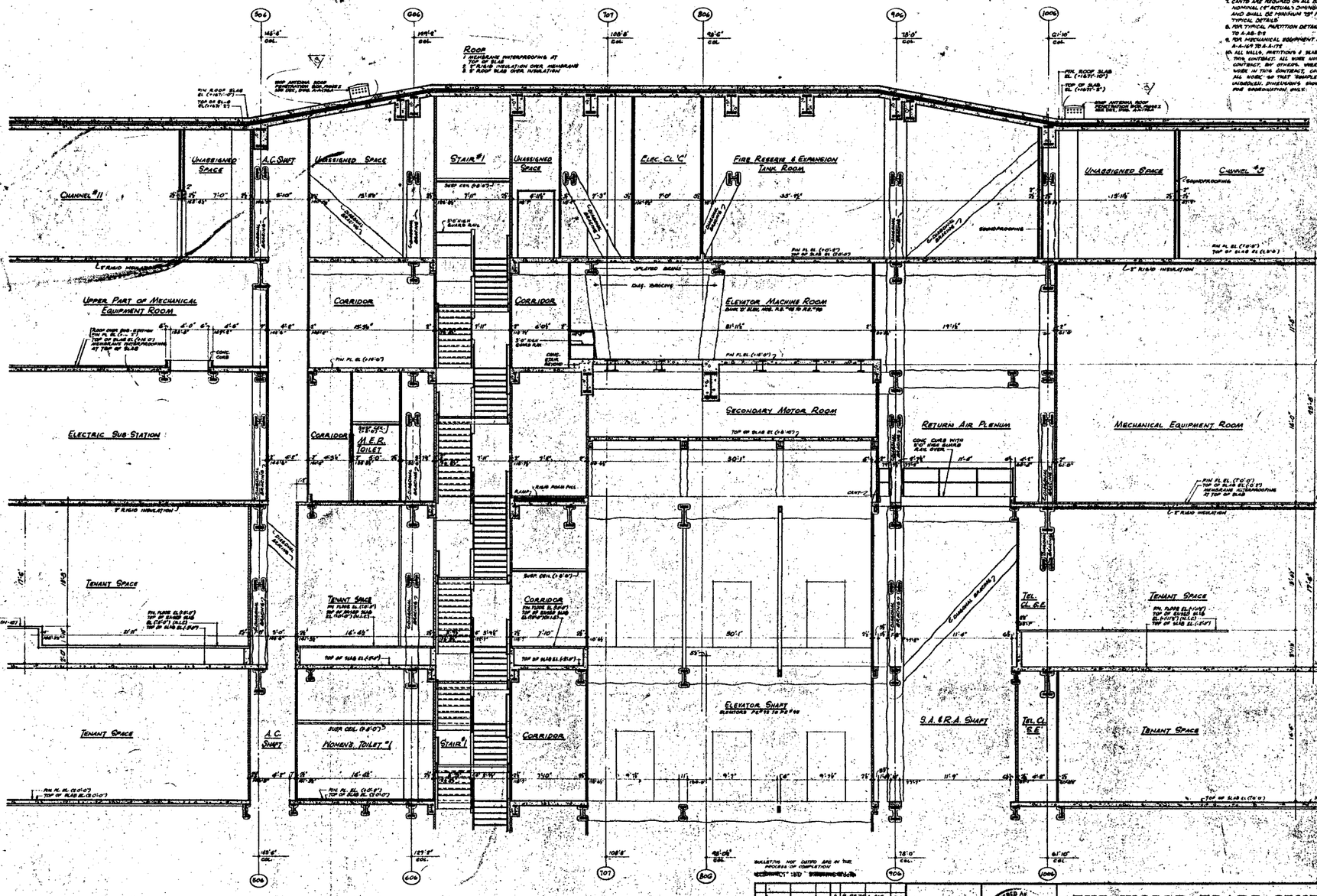
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PLANS & SECTIONS STAIRS J-4 & K-1

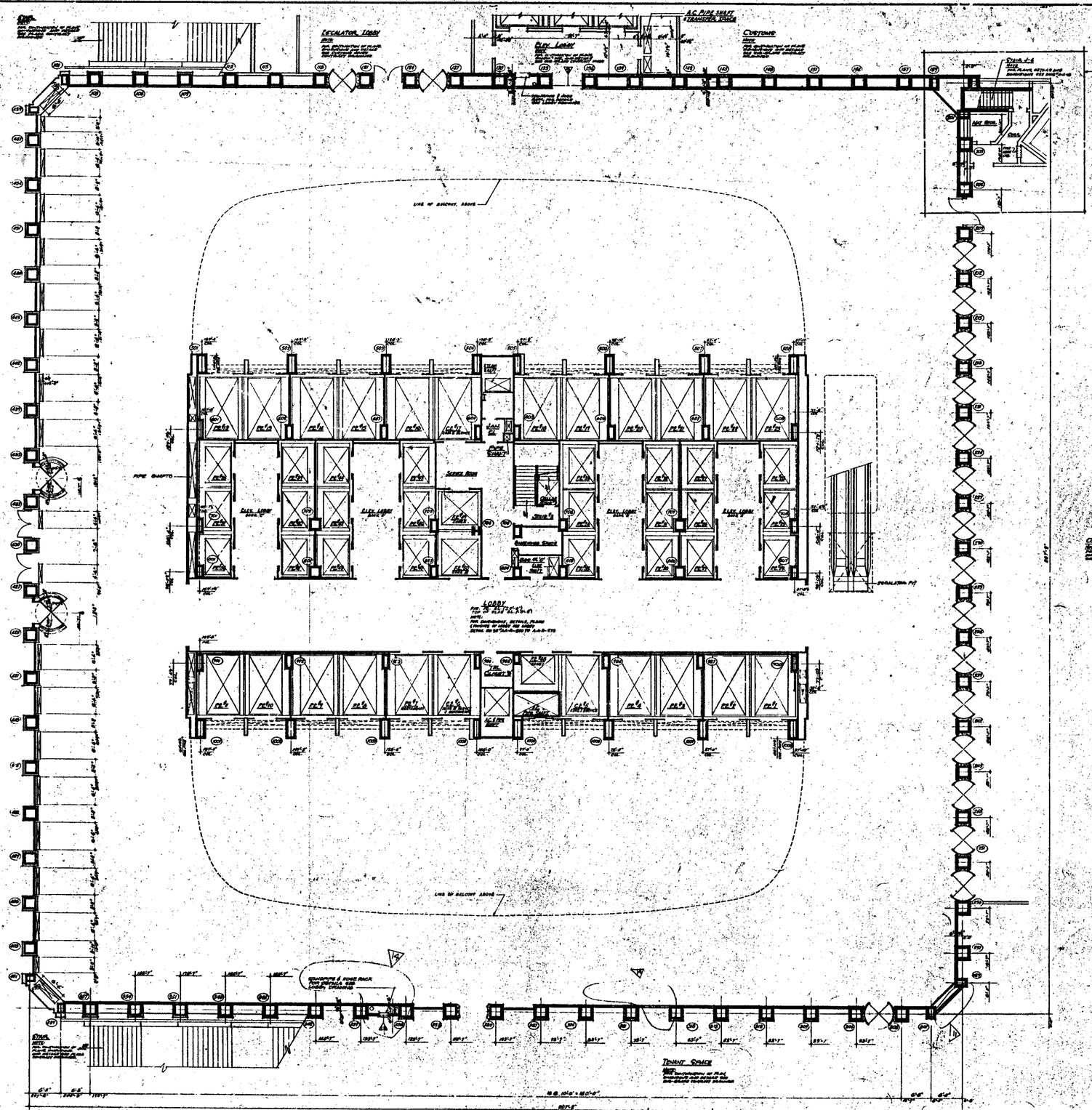
DRAWN | CHECKED
SCALE 3/4" = 1'-0" | DATE 7-28-67
PROJECT DIRECTOR | SUPERV.
PROJECT ENGINEER

A-A-18



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-A-103 TO A-A-176
3. ALL ELEVATION DATA THUS (10'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR SUCH AS IN CLOSETS, OTHER PLENUMS, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOOR
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9½" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS, AND SHALL BE MINIMUM "D" FROM HORIZONTAL SEE TYPICAL DETAILS
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AS-204 TO A-AS-213
9. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-A-169 TO A-A-176
10. ALL WALLS, PARTITIONS & SLABS SHOWN WITH HATCHING ARE BY THIS CONTRACT. ALL WORK NOT HATCHED IS BY A SEPARATE CONTRACT, BY OTHERS. WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT "COMPLETED" WORK IS ENTHUSIASTIC AND UNDISCLOSED. DRAWINGS SHOWN FOR WORK OF OTHERS IS FOR COORDINATION ONLY


LOBBY
LINE OF BALCONY ABOVE
LINE OF BALCONY ABOVE
PIPE SHAFTS
SERVICE ROOM
ELEV. LOBBY
ELEV. LOBBY
ELEV. LOBBY
ELEV. LOBBY
STAIR 5
CUSTOMERS' STAIR
ESCALATOR PIT
TENANT SPACE
STAIR
NORTH
NOTES:
1 FOR GENERAL NOTES, SEE TYPICAL DETAILS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5
2 FOR COMPLETE DIMENSIONS "A-D" NOTES "C" CORE - BASE LINE, 8" GRID CORE PLANNING A-1.0-CORE A-1.0-CORE.
3 ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4 FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5 FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE TAKEN UNLESS OTHERWISE SHOWN OR NOTED
6 WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL R.C. SLABS AND BEAMS SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7 ALL WALLS AND PARTITIONS SHOWN NOT NOTED AS BEING INCLUDED IN THIS CONTRACT, ALL WORK BOTHING PERIMETRAL WALL OF TOWER, SHOWN DIMENSIONED IS IN A SEPARATE CONTRACT BY OTHERS, WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK SO THAT COMPLETE WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS REFERS TO TOWER, SEE FOR COORDINATION ONLY.
CONTRACT NO DRAWING date 6-9-68
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL & ELECTRICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
CIVIL & SANITARY ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAUL D. STEITZER, FOUNDATIONS
1st FLOOR PLAN
ELEVATION 310'-7"
"CONCOURSE" LEVEL
A-1.0
REVISIONS
REVISIONS

SCHEDULE OF DRAWINGS

STRUCTURAL

DWG. No.	TITLE
	TITLE SHEET
S-A-0	DRAWING INDEX
S-A-1	FOUNDATION PLAN
S-A-2	SUB-LEVEL No. 5 - ELEV 242'-0"
S-A-3	FRAMING PLAN SUB-LEVEL No. 4 - ELEV. 253'-0"
S-A-4	FRAMING PLAN SUB-LEVEL No. 3 - ELEV. 264'-0"
S-A-5	FRAMING PLAN SUB-LEVEL No. 2 - ELEV. 274'-0"
S-A-6	FRAMING PLAN SUB-LEVEL No. 1 - ELEV. 284'-0"
S-A-7	FRAMING PLAN SERVICE LEVEL ELEV 294'-0"
S-A-8	FRAMING PLAN FLOOR 1
S-A-9	FRAMING PLAN INTERMEDIATE LEVEL
S-A-10	FRAMING PLAN FLOOR 2
S-A-11	FRAMING PLAN FLOOR 3
S-A-12	FRAMING PLAN FLOOR 4
S-A-13	FRAMING PLAN FLOOR 5
S-A-14	FRAMING PLAN FLOOR 6
S-A-15	FRAMING PLAN FLOOR 7
S-A-16	FRAMING PLAN FLOOR 8
S-A-17	FRAMING PLAN FLOOR 9
S-A-18	FRAMING PLAN FLOORS 10 AND 11
S-A-19	UNASSIGNED
S-A-20	FRAMING PLAN FLOORS 12-16
S-A-21	UNASSIGNED
S-A-22	UNASSIGNED
S-A-23	UNASSIGNED
S-A-24	UNASSIGNED
S-A-25	FRAMING PLAN FLOOR 17
S-A-26	FRAMING PLAN FLOOR 18
S-A-27	FRAMING PLAN FLOOR 19
S-A-28	FRAMING PLAN FLOOR 20
S-A-29	FRAMING PLAN FLOORS 21-23
S-A-30	UNASSIGNED
S-A-31	UNASSIGNED
S-A-32	FRAMING PLAN FLOOR 24
S-A-33	FRAMING PLAN FLOOR 25
S-A-34	FRAMING PLAN FLOOR 26
S-A-35	FRAMING PLAN FLOOR 27
S-A-36	FRAMING PLAN FLOORS 28-31
S-A-37	UNASSIGNED
S-A-38	UNASSIGNED
S-A-39	UNASSIGNED
S-A-40	FRAMING PLAN FLOOR 32
S-A-41	FRAMING PLAN FLOOR 33
S-A-42	FRAMING PLAN FLOOR 34
S-A-43	FRAMING PLAN FLOOR 35
S-A-44	FRAMING PLAN FLOORS 36-38
S-A-45	UNASSIGNED
S-A-46	UNASSIGNED
S-A-47	FRAMING PLAN FLOOR 39
S-A-48	FRAMING PLAN FLOOR 40
S-A-49	FRAMING PLAN FLOOR 41
S-A-50	FRAMING PLAN FLOOR 42
S-A-51	FRAMING PLAN FLOOR 43
S-A-52	FRAMING PLAN FLOOR 44
S-A-53	FRAMING PLAN FLOOR 45
S-A-54	FRAMING PLAN FLOOR 46
S-A-55	FRAMING PLAN FLOOR 47
S-A-56	FRAMING PLAN FLOOR 48
S-A-57	FRAMING PLAN FLOOR 49
S-A-58	FRAMING PLAN FLOOR 50
S-A-59	FRAMING PLAN FLOORS 51-54
S-A-60	UNASSIGNED
S-A-61	UNASSIGNED
S-A-62	UNASSIGNED
S-A-63	FRAMING PLAN FLOOR 55
S-A-64	FRAMING PLAN FLOOR 56
S-A-65	FRAMING PLAN FLOOR 57
S-A-66	FRAMING PLAN FLOOR 58
S-A-67	FRAMING PLAN FLOOR 59
S-A-68	FRAMING PLAN FLOOR 60
S-A-69	FRAMING PLAN FLOOR 61
S-A-70	FRAMING PLAN FLOOR 62
S-A-71	FRAMING PLAN FLOOR 63
S-A-72	FRAMING PLAN FLOOR 64
S-A-73	FRAMING PLAN FLOOR 65
S-A-74	FRAMING PLAN FLOOR 66

STRUCTURAL

DWG. No.	TITLE
S-A-75	FRAMING PLAN FLOOR 67
S-A-76	FRAMING PLAN FLOOR 68
S-A-77	FRAMING PLAN FLOOR 69
S-A-78	FRAMING PLAN FLOOR 70
S-A-79	FRAMING PLAN FLOOR 71
S-A-80	FRAMING PLAN FLOOR 72
S-A-81	FRAMING PLAN FLOOR 73
S-A-82	FRAMING PLAN FLOOR 74
S-A-83	FRAMING PLAN FLOOR 75
S-A-84	FRAMING PLAN FLOOR 76
S-A-85	FRAMING PLAN FLOOR 77
S-A-86	FRAMING PLAN FLOOR 78
S-A-87	FRAMING PLAN FLOOR 79
S-A-88	FRAMING PLAN FLOOR 80
S-A-89	FRAMING PLAN FLOOR 81
S-A-90	FRAMING PLAN FLOOR 82
S-A-91	FRAMING PLAN FLOOR 83
S-A-92	FRAMING PLAN FLOORS 84-86
S-A-93	UNASSIGNED
S-A-94	UNASSIGNED
S-A-95	FRAMING PLAN FLOOR 87
S-A-96	FRAMING PLAN FLOOR 88
S-A-97	FRAMING PLAN FLOOR 89
S-A-98	FRAMING PLAN FLOOR 90 AND 91
S-A-99	UNASSIGNED
S-A-100	FRAMING PLAN FLOOR 92
S-A-101	FRAMING PLAN FLOOR 93
S-A-102	FRAMING PLAN FLOOR 94
S-A-103	FRAMING PLAN FLOOR 95
S-A-104	FRAMING PLAN FLOOR 96
S-A-105	FRAMING PLAN FLOORS 97-100
S-A-106	UNASSIGNED
S-A-107	UNASSIGNED
S-A-108	UNASSIGNED
S-A-109	FRAMING PLAN FLOOR 101
S-A-110	FRAMING PLAN FLOOR 102
S-A-111	FRAMING PLAN FLOOR 103
S-A-112	FRAMING PLAN FLOOR 104
S-A-113	FRAMING PLAN FLOOR 105
S-A-114	FRAMING PLAN FLOOR 106
S-A-115	FRAMING PLAN FLOOR 107
S-A-116	UNASSIGNED
S-A-117	FRAMING PLAN FLOOR 108
S-A-118	FRAMING PLAN FLOOR 109
S-A-119	FRAMING PLAN FLOOR 110
S-A-120	FRAMING PLAN PENTHOUSE ROOF
S-A-121	UNASSIGNED
S-A-B-122	FLOOR PANEL FIREPROOFING PLAN
S-A-123	UNASSIGNED
S-A-124	FLOOR PANEL SCHEDULE
S-A-125	EXT. WALL TO 9TH - ELEVATION WALL 100
S-A-126	EXT. WALL TO 9TH - ELEVATION WALL 200
S-A-127	EXT. WALL TO 9TH - ELEVATION WALL 300
S-A-128	EXT. WALL TO 9TH - ELEVATION WALL 400
S-A-129	UNASSIGNED
S-A-130	UNASSIGNED
S-A-131	UNASSIGNED
S-A-132	UNASSIGNED
S-A-133	UNASSIGNED
S-A-134	UNASSIGNED
S-A-135	UNASSIGNED
S-A-136	UNASSIGNED
S-A-137	UNASSIGNED
S-A-138	UNASSIGNED
S-A-139	UNASSIGNED
S-A-140	EXT. WALL ABOVE 9TH - ELEVATION WALL 100
S-A-141	EXT. WALL ABOVE 9TH - ELEVATION WALL 200
S-A-142	EXT. WALL ABOVE 9TH - ELEVATION WALL 300
S-A-143	EXT. WALL ABOVE 9TH - ELEVATION WALL 400
S-A-144	UNASSIGNED
S-A-145	UNASSIGNED
S-A-146	UNASSIGNED
S-A-147	UNASSIGNED
S-A-148	UNASSIGNED
S-A-149	UNASSIGNED
S-A-150	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
S-A-151	GRILLAGE DETAILS
S-A-152	GRILLAGE DETAILS
S-A-153	UNASSIGNED
S-A-154	UNASSIGNED
S-A-155	UNASSIGNED
S-A-401	T.V. MAST SUPPORT ELEV. LINES 300, 600 & 700
S-A-402	T.V. MAST SUPPORT ELEV. LINES 800, 900 & 1000
S-A-403	T.V. MAST SUPPORT ELEV. LINES 001, 002, 003 & 004
S-A-404	T.V. MAST SUPPORT ELEV. LINES 005, 006, 007 & 008
SCA-1	CONCRETE PLAN SUB-LEVEL #5 EL. 242
SCA-2	CONCRETE PLAN SUB-LEVEL #4 EL 253
SCA-3	CONCRETE PLAN SUB-LEVEL #3 EL. 264 CORE
SCA-4	CONCRETE PLAN SUB-LEVEL #3 EL. 264 FLOOR
SCA-5	CONCRETE PLAN SUB-LEVEL #2 EL. 274 CORE
SCA-6	CONCRETE PLAN SUB-LEVEL #2 EL. 274 FLOOR
SCA-7	CONCRETE PLAN SUB-LEVEL #1 EL. 284 CORE
SCA-8	CONCRETE PLAN SUB-LEVEL #1 EL. 284 FLOOR
SCA-9	CONCRETE PLAN SERVICE LEVEL EL 294 CORE
SCA-10	CONCRETE PLAN SERVICE LEVEL EL. 294 FLOOR
SCA-11	CONCRETE PLAN FLOOR 1 EL. 310 CORE
SCA-12	CONCRETE PLAN FLOOR 1 EL. 310 FLOOR
SCA-13	CONCRETE PLAN INTERMEDIATE LEVEL
SCA-14	CONCRETE PLAN FLOOR 2 - CORE
SCA-15	CONCRETE PLAN FLOOR 2 - FLOOR
SCA-16	CONCRETE PLAN FLOORS 3-6 - CORE
SCA-17	CONCRETE PLAN FLOOR 7 - CORE
SCA-18	CONCRETE PLAN FLOOR 7 - FLOOR
SCA-19	CONCRETE PLAN FLOOR 8 - CORE
SCA-20	CONCRETE PLAN FLOOR 9 - CORE
SCA-21	CONCRETE PLAN FLOOR 9 - FLOOR
SCA-22	UNASSIGNED
SCA-23	CONCRETE PLAN FLOORS 10-40 - FLOOR
SCA-24	CONCRETE PLAN FLOORS 10-16 - CORE
SCA-25	UNASSIGNED
SCA-26	UNASSIGNED
SCA-27	UNASSIGNED
SCA-28	UNASSIGNED
SCA-29	UNASSIGNED
SCA-30	CONCRETE PLAN FLOOR 17 - CORE
SCA-31	CONCRETE PLAN FLOOR 18 - CORE
SCA-32	CONCRETE PLAN FLOOR 19 - CORE
SCA-33	CONCRETE PLAN FLOOR 20 - CORE
SCA-34	CONCRETE PLAN FLOORS 21-23 CORES
SCA-35	UNASSIGNED
SCA-36	UNASSIGNED
SCA-37	CONCRETE PLAN FLOOR 24 - CORE
SCA-38	CONCRETE PLAN FLOOR 25 - CORE
SCA-39	CONCRETE PLAN FLOOR 26 - CORE
SCA-40	CONCRETE PLAN FLOOR 27 - CORE
SCA-41	CONCRETE PLAN FLOORS 28-31 CORE
SCA-42	UNASSIGNED
SCA-43	UNASSIGNED
SCA-44	UNASSIGNED
SCA-45	CONCRETE PLAN FLOOR 32 - CORE
SCA-46	CONCRETE PLAN FLOOR 33 - CORE
SCA-47	CONCRETE PLAN FLOOR 34 - CORE
SCA-48	CONCRETE PLAN FLOOR 35 CORE
SCA-49	CONCRETE PLAN FLOORS 36-40 CORE
SCA-50	UNASSIGNED
SCA-51	UNASSIGNED
SCA-52	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
SCA-53	UNASSIGNED
SCA-54	CONCRETE PLAN FLOOR 41 - CORE
SCA-55	CONCRETE PLAN FLOOR 41 - FLOOR
SCA-56	CONCRETE PLAN FLOOR 42 - CORE
SCA-57	CONCRETE PLAN FLOOR 43 - CORE
SCA-58	CONCRETE PLAN FLOOR 43 - FLOOR
SCA-59	CONCRETE PLAN FLOOR 44 - CORE
SCA-60	CONCRETE PLAN FLOOR 44 - FLOOR
SCA-61	CONCRETE PLAN FLOOR 45 - CORE
SCA-62	CONCRETE PLAN FLOOR 45 - FLOOR
SCA-63	CONCRETE PLAN FLOOR 46 - CORE
SCA-64	CONCRETE PLAN FLOOR 46-47-48 FLOOR
SCA-65	CONCRETE PLAN FLOOR 47 CORE
SCA-66	CONCRETE PLAN FLOOR 48 CORE
SCA-67	UNASSIGNED
SCA-68	CONCRETE PLAN FLOORS 49-74 FLOOR
SCA-69	CONCRETE PLAN FLOORS 49-53 CORE
SCA-70	UNASSIGNED
SCA-71	UNASSIGNED
SCA-72	UNASSIGNED
SCA-73	UNASSIGNED
SCA-74	CONCRETE PLAN FLOOR 54 CORE
SCA-75	CONCRETE PLAN FLOOR 55 - CORE
SCA-76	CONCRETE PLAN FLOOR 56 - CORE
SCA-77	CONCRETE PLAN FLOORS 57 & 58 CORE
SCA-78	UNASSIGNED
SCA-79	CONCRETE PLAN FLOOR 59 - CORE
SCA-80	CONCRETE PLAN FLOOR 60 - CORE
SCA-81	CONCRETE PLAN FLOOR 61 - CORE
SCA-82	CONCRETE PLAN FLOOR 62 - CORE
SCA-83	CONCRETE PLAN FLOOR 63 - CORE
SCA-84	CONCRETE PLAN FLOOR 64 - CORE
SCA-85	CONCRETE PLAN FLOOR 65 CORE
SCA-86	CONCRETE PLAN FLOOR 66 CORE
SCA-87	CONCRETE PLAN FLOOR 67 CORE
SCA-88	CONCRETE PLAN FLOOR 68 CORE
SCA-89	CONCRETE PLAN FLOOR 69 CORE
SCA-90	CONCRETE PLAN FLOORS 70-73 CORE
SCA-91	UNASSIGNED
SCA-92	UNASSIGNED
SCA-93	UNASSIGNED
SCA-94	CONCRETE PLAN FLOOR 74 CORE
SCA-95	CONCRETE PLAN FLOOR 75 - CORE
SCA-96	CONCRETE PLAN FLOOR 75 - FLOOR
SCA-97	CONCRETE PLAN FLOOR 76 - CORE
SCA-98	CONCRETE PLAN FLOOR 77 - CORE
SCA-99	CONCRETE PLAN FLOOR 77 - FLOOR
SCA-100	CONCRETE PLAN FLOOR 78 - CORE
SCA-101	CONCRETE PLAN FLOOR 78 - FLOOR
SCA-102	CONCRETE PLAN FLOOR 79 CORE
SCA-103	CONCRETE PLAN FLOOR 79 FLOOR
SCA-104	CONCRETE PLAN FLOOR 80 CORE
SCA-105	CONCRETE PLAN FLOORS 80-81-82 FLOORS
SCA-106	CONCRETE PLAN FLOOR 81 CORE
SCA-107	CONCRETE PLAN FLOOR 82 CORE
SCA-108	UNASSIGNED
SCA-109	CONCRETE PLAN FLOORS 83-106 FLOOR
SCA-110	UNASSIGNED
SCA-111	CONCRETE PLAN FLOOR 83-CORE
SCA-112	CONCRETE PLAN FLOORS 84-86-CORE
SCA-113	UNASSIGNED
SCA-114	CONCRETE PLAN FLOOR 87 - CORE
SCA-115	CONCRETE PLAN FLOOR 88 - CORE
SCA-116	CONCRETE PLAN FLOORS 89-90-91 - CORE
SCA-117	UNASSIGNED
SCA-118	UNASSIGNED
SCA-119	CONCRETE PLAN FLOOR 92 CORE
SCA-120	CONCRETE PLAN FLOOR 93 CORE
SCA-121	CONCRETE PLAN FLOOR 94 - CORE
SCA-122	CONCRETE PLAN FLOOR 95 CORE
SCA-123	CONCRETE PLAN FLOORS 96-99-CORE
SCA-124	UNASSIGNED
SCA-125	UNASSIGNED
SCA-126	UNASSIGNED
SCA-127	CONCRETE PLAN FLOOR 100 CORE
SCA-128	CONCRETE PLAN FLOOR 101 CORE

STRUCTURAL

DWG. No.	TITLE
SCA-129	CONCRETE PLAN FLOOR 102 - CORE
SCA-130	CONCRETE PLAN FLOORS 103-104 CORE
SCA-131	UNASSIGNED
SCA-132	CONCRETE PLAN FLOOR 105 - CORE
SCA-133	CONCRETE PLAN FLOOR 106 - CORE
SCA-134	CONCRETE PLAN FLOOR 107 FLOOR
SCA-135	CONCRETE PLAN FLOOR 107 CORE
SCA-136	CONCRETE PLAN FLOOR 108 CORE
SCA-137	CONCRETE PLAN FLOOR 108 FLOOR
SCA-138	CONCRETE PLAN FLOOR 109 CORE
SCA-139	CONCRETE PLAN FLOOR 110 CORE
SCA-140	CONCRETE PLAN FLOOR 110 FLOOR
SCA-141	CONCRETE PLAN PENTHOUSE ROOF
SCA-142	CONCRETE PLANS SECONDARY LEVELS
SCA-143	CONCRETE PLANS SUB-STATIONS, ESCALATOR PITS
SCA-144	UNASSIGNED
SCA-145	CONCRETE PLAN EL. 264, POST TENSION
SCA-146	CONCRETE PLAN PENTHOUSE ROOF LOWER LEVEL
SCA-147	CONCRETE PLAN PENTHOUSE ROOF UPPER LEVEL
	5
DWG. BK-1	TOWERS A & B - EXTERIOR WALL TO EL. 363
DWG. BK-2	TOWERS A & B - EXTERIOR WALL TREES
DWG. BK-3	TOWERS A & B - CORE COLUMNS
DWG. BK-4	TOWERS A & B - EXTERIOR WALL ABOVE 9TH FLOOR
DWG. BK-5	TOWERS A & B - BEAM SCHEDULES
DWG. BK-6	TOWERS A & B - CONNECTION DETAILS
DWG. BK-7	TOWERS A & B - FLOOR PANELS
DWG. BK-8	TOWERS A & B AND BELOW GRADE - CONCRETE
DWG. BK-9	TOWERS A & B - 107TH FLOOR TO P.H. ROOF
DWG. BK-10	BELOW GRADE COLUMNS
DWG. BK-11	BELOW GRADE TRUSSES
DWG. BK-12	BELOW GRADE BEAMS
DWG. BK-13	UNASSIGNED
DWG. BK-14	UNASSIGNED
DWG. BK-15	UNASSIGNED
DWG. BK-16	UNASSIGNED
DWG. BK-17	UNASSIGNED
DWG. BK-18	STRAP ANCHORS
DWG. BK-19	REVISIONS AFTER FABRICATION
DWG. BK-20	STRUCTURAL STEEL
DWG. BK-D	DAMPING UNITS

STRUCTURAL

DWG. No.	TITLE
S-A-B-156	STEEL DECK PLAN FLOOR - 7
S-A-B-157	STEEL DECK PLAN FLOOR - 9
S-A-B-158	STEEL DECK PLAN FLOORS - 21-40
S-A-B-159	STEEL DECK PLAN FLOOR - 41
S-A-B-160	STEEL DECK PLAN FLOOR - 43
S-A-B-161	STEEL DECK PLAN FLOOR - 45
S-A-B-162	STEEL DECK PLAN FLOOR - 44
S-A-B-163	STEEL DECK PLAN FLOORS - 46-49
S-A-B-164	STEEL DECK PLAN FLOORS - 50-58
S-A-B-165	STEEL DECK PLAN FLOORS - 59-62
S-A-B-166	STEEL DECK PLAN FLOORS - 63-66
S-A-B-167	STEEL DECK PLAN FLOORS - 67-70
S-A-B-168	STEEL DECK PLAN FLOORS - 71-74
S-A-B-169	STEEL DECK PLAN FLOORS - 65-69
S-A-B-170	STEEL DECK PLAN FLOOR - 75
S-A-B-171	STEEL DECK PLAN FLOOR - 77
S-A-B-172	STEEL DECK PLAN FLOORS - 78-79
S-A-B-173	STEEL DECK PLAN FLOORS - 80-81
S-A-B-174	STEEL DECK PLAN FLOORS - 82-83
S-A-B-175	STEEL DECK PLAN FLOORS - 84-89
S-A-B-176	STEEL DECK PLAN FLOORS - 90-94
S-A-B-177	STEEL DECK PLAN FLOORS - 95-101
S-A-B-178	STEEL DECK PLAN FLOORS - 102-106
S-A-B-179	STEEL DECK PLAN FLOOR - 107
S-A-B-180	STEEL DECK PLAN FLOOR - 108
S-A-B-181	STEEL DECK PLAN FLOOR - 110

CONTRACT BID DRAWING date 9-9-66

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
5	9-23-76	A-405	L.J.
4	VOID	A-264	D.S.
3	6-27-72	A-15	L.J.
2	4-1968	A-2	D.G.
1	3-18-68		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS
STRUCTURAL

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·A·2		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-A.01 TO A-A.08.
2. FOR COMPLETE 9" SCALE FLOOR PLAN SEE DRAWING A-A.09.
3. ALL ELEVATIONS SHOWN THUS (9'-6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE SCHEDULE DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A.10-.20 AND A-A.8-.86.
6. ON ALL FLOOR ELEVATIONS (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO FURRING DETAIL IS CALLED FOR, SIDE OF W. CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND SUSPENDED SLABS BE MAINTAINED AT 8'-4" MINIMUM ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL DOOR OPENING.
8. CASTS REQUIRED ON ALL BEAM PROJECTIONS OVER 48" MINIMUM OF ENTIRELY EXPOSED PLASTERED AREA SHALL BE CHAMFERED 45° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.8-.86 TO A-A.8-.89.

PIPE DUCT AND COND SPACE

DUCT AND COND SPACE

DUCT SHAFT

LOBBY

SERVICE ROOM

UNASSIGNED SPACE

TEL CLOSET 'B'

A.C. DUCT SHAFT

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 4-1-66
		1-30-70	A-17 LML
		10-29-69	A-16 LML
		8-22-69	A-15 LML
		8-22-69	A-17 LML
		6-11-69	A-17 LML
		4-4-69	A-18 LML
5-16-73	A-33.6	LML	5-1-68 A-10 CVG
6-8-71	A-18.6	RT	9-20-66 A-5 RG
5-1-71	A-13.5	LLT	4-19-66 A-4 RG
11-1-70	A-7.1	CVG	5-11-65 A-1 LML

NO. DATE SHT. NO. BY — NO. DATE SHT. NO. BY

REVISIONS — REVISIONS

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
RAPID TRANSIT, TUNNELS, TERMINALS

TITLE: 1ST FLOOR CORE PLAN
ELEVATION 30'-0"
CONCOURSE LEVEL

SCALE: 1/8"=1'-0" — DATE: 7-30-65

PROJECT NO. — DRAWING NO.

A-A.20

NORTH

NOTES

1. FOR GENERAL KEYING KEY TO ENTRANCES, OPENINGS, CORRIDORS, PARTS REQUIRED, FINAL FINISHES AND CLEARANCE OF PARTITIONS SEE DRAWINGS A-2.1 TO A-2.5
2. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE SEPARATE DRAWINGS BY ENGINEERS
3. A. FOR TYPICAL WALL DETAILS SEE DRAWINGS A-2.6 AND A-2.6.1
   B. CURVE ASPHALTED BY HAND TO PROVIDE SMOOTH, 45° MINIMUM (OPTIONAL) CHAMFER IN ELEVATOR SHAFTS AND SHALL BE 30° MINIMUM FROM HORIZONTAL. SEE TYPICAL DETAILS
   C. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.6.2 TO A-2.6.5

PIPE, DUCT AND CABLE SHAFT

DUCT SHAFT

UPPER PART OF JAN CL.

UPPER PART OF SERVICE ROOM

UPPER PART OF LOBBY

UNDERGROUND STORE

INTERMEDIATE SERVICE

A.C. PIPE SHAFT

DUCT SHAFT

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT 3RD DRAWING date 6-9-66

NO.	DATE	SUB. NO.	BY
6	6-18-71	A-106	D.T.
5	1-20-70	A-67	L.L.
4	2-20-69	A-25	[illegible]
3	5-23-68	A-17	[illegible]
2	6-8-67	A-12	J.W.L.
1	6-2-67	A-08	J.W.L.
0	6-11-66	A-02	J.W.L.
A	6-17-66	A-2	J.W.L.
1	5-16-66		J.W.L.

REVISIONS

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

NINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

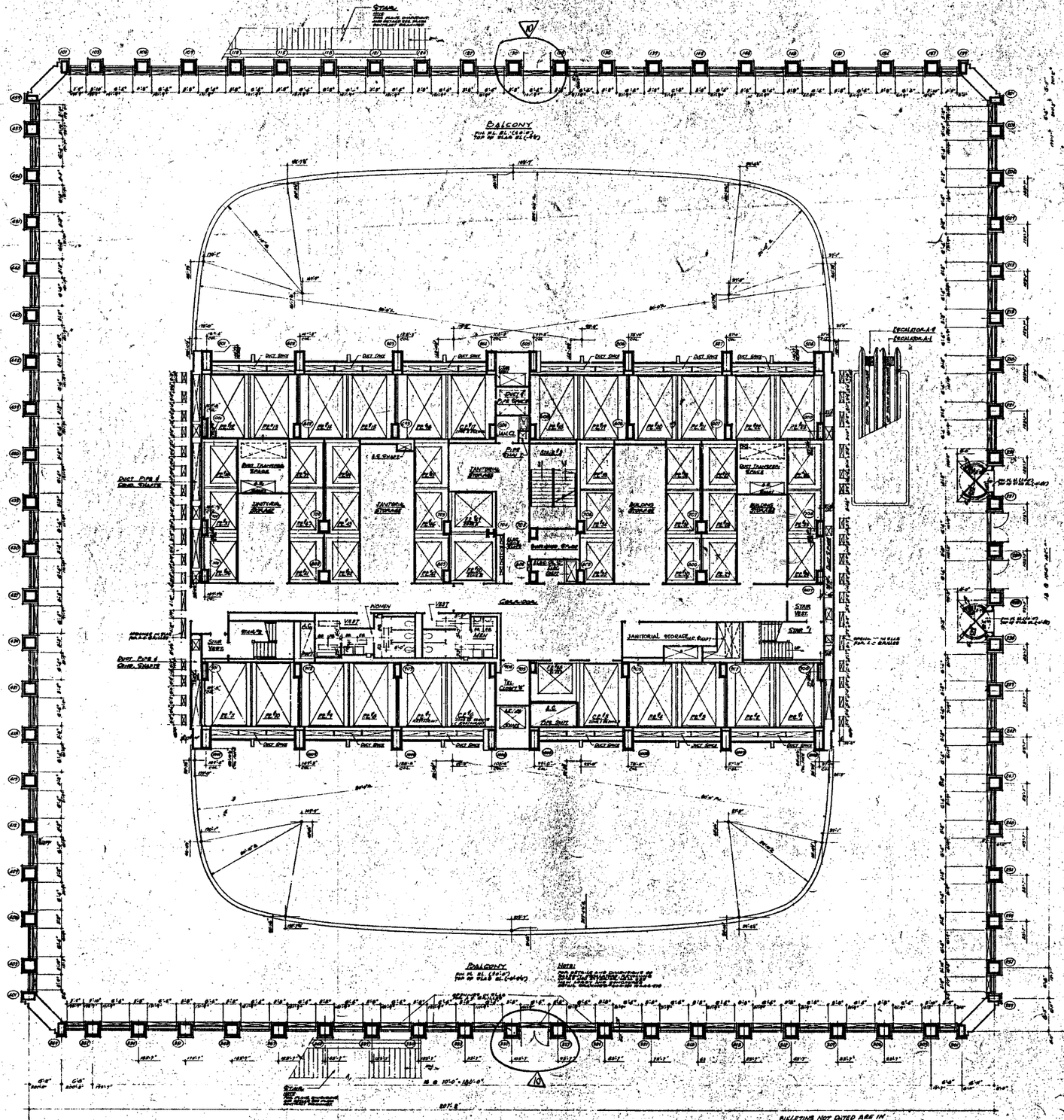
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"-1'-0"

TITLE: FIRST FLOOR INTERMEDIATE LEVEL PLAN ELEVATION +61'-0"

DRAWN | CHECKED | SCALE 1/8"-1'-0" | DATE 1-20-69 | PROJECT ENGINEER | SUPERVISING ARCHITECT

DRAWING NO. A-A-20A



NORTH

NOTES:

A. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND NUMBERS OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6

B. FOR COMPLETE DIMENSIONS AND NOTES ON CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-6.01

C. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO THIRD FLOOR

D. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

E. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (20'-0") UNLESS OTHERWISE SHOWN OR NOTED

G. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BALCONY

Notes:

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	DESCRIPTION	BY
CONTRACT	BID	DRAWING	date 4-2-66
4	1-27-76	A-547	MH
3	1-23-74	A-545	L.J.
2	12-14-73	A-875	L.J.
1	10-8-73	A-548	L.B.
6	6-18-71	A-158	D.G.
4	1-30-70	A-67	L.J.
3	5-19-69	A-56	R.L.
2	8-4-67	A-88	J.V.L.
1	6-15-67	A-2	J.V.L.
0			J.V.L.

REVISIONS

DWG. SIZE 810.10

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
CARPEN & LORING & ASSOCIATES — CIVIL & SANITARY ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 2nd FLOOR PLAN
ELEVATION 337'-0"
PLAZA LEVEL

1/8"=1'-0" — DATE 5-1-67 — CONTRACT NO. — DRAWING NO. A-A 21

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIAL, SYMBOL, ABBREVIATIONS PLEASE REFERENCE DRAWING A-0.0 AND SCHEDULE OF DRAWINGS THE NUMBER IS A-0.0 TO A-0.8
2. FOR ENLARGED 1/8" SCALE PLANS, PLAN SEE DRAWINGS A-1.0 TO A-1.5
3. ALL ELEVATION GRADE TAGS (192.6') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGEND SEE ARCHITECTURAL DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DRAWINGS A-2.0-ON AND A-2.0-TOR.
6. ENTIRE FLOOR ELEVATION 2' TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED
7. WHERE ACOUSTICAL CEILING IS CALLED FOR, SUCH AS IN CORRIDORS, STORE ROOMS, ETC. BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE AN ADEQUATE HEADROOM AND CLEARANCE OF FULL HEIGHT DOORS.
8. CLEATS REQUIRED ON ALL DUCTWORK PENETRATIONS OVER 48" NOMINAL (ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 36" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.0-TOR TO A-2.0-TOR.

DUCT SHAFT

DUCT PIPE AND CORD SHAFT

DUCT AND CORD SHAFT

DUCT SHAFT

BALCONY

BALCONY

BULLETINS "NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 12-9-68

				1-20-70	A-47	L.A.
				5-21-69	A-32	D.L.
	11-11-74	A-855	L.A.	8-23-69	A-26	L.L.P.
	12-12-73	A-976	L.A.	8-19-69	A-17	V.L.P.
	10-3-73	A-948	L.B.	2-1-69	A-17	J.V.L.
	6-28-73	A-1062	D.L.	2-1-69	A-13	J.V.L.
	2-2-73	A-1064	D.T.	8-1-68	A-10	D.D.
	6-1-71	A-1125	L.T.	6-28-68	A-6	D.D.
	11-5-70	A-1108	L.V.	5-22-68	A-5	D.D.
	5-15-70	A-1115	L.A.	3-12-68		L.V.L.

NO. DATE SUB. NO. BY — REVISIONS

NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

SKIDMORE, OWINGS, MERRILL — STRUCTURAL ENGINEERS

LEMESSURIER, DEGENKOLB & ANDERSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

SEVERUD, BANDE & ASSOCIATES — MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY, PAVING, UTILITIES, FOUNDATIONS

TITLE: 2ND FLOOR CORE PLAN

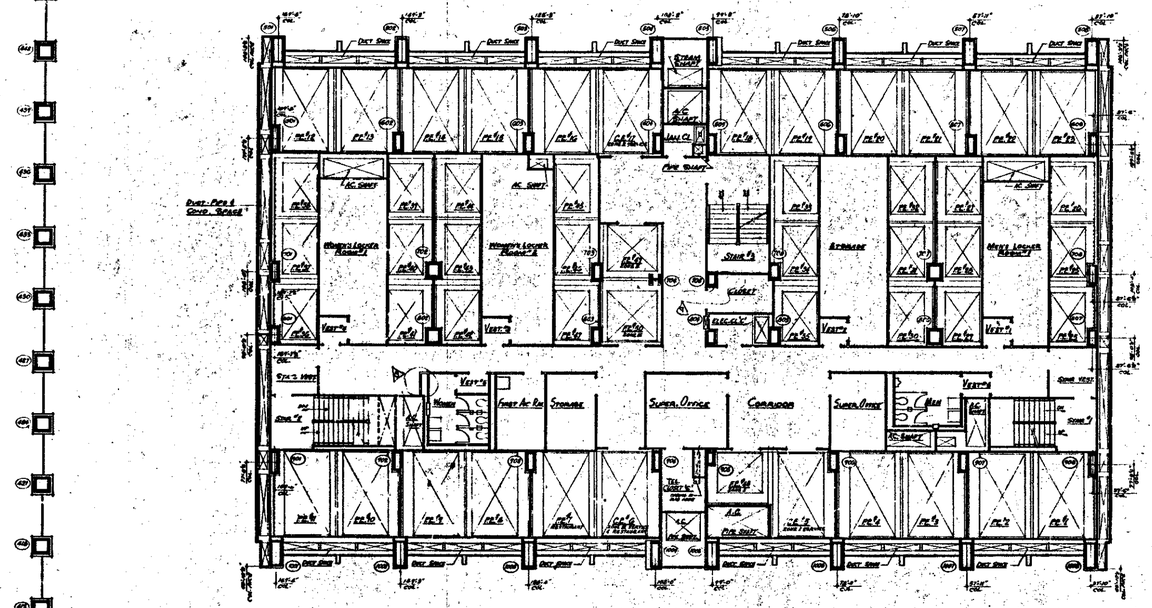
ELEVATION 33.70'

PLAN LEVEL

SCALE: 1/16" = 1'-0"

PROJECT NUMBER

DRAWING NUMBER: A-A-22



UPPER PART OF LOBBY

NOTE:
FOR LOWER PART OF LOBBY SEE DRAWING A-2.1

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND GENERALLY OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-1.05.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING date 4-9-68

NO.	DATE	DRAWING NO.	BY
1	6-18-71	A-106	D.G.
2	5-13-70	A-78	A.M.
3	1-30-70	A-88	L.L.
4	1-30-70	A-87	L.L.
5	5-23-69	A-33	L.L.
6	9-29-69	A-25	L.L.M.
7	6-11-69	A-98	L.M.L.
8	4-17-68	A-9	D.G.
9	5-15-68		L.M.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 3rd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-28-67
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER		A-A-23	

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULE, DOOR, SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.0.1 TO A-0.0.5.
2. FOR COMPLETE 3rd SMALL FLOOR PLAN SEE DRAWING A-2.0.3.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ELECTRICAL & MECHANICAL DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DWGS. A-2.0.1 AND A-2.0.2.
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (-0.17") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPES AND THEIR COVERING SHALL BE 8'-0" MINIMUM (8'-6" ACTUAL) INCLUDING IN ELEVATOR, SHAFTS AND SHALL BE MEASURED VERTICALLY FROM HORIZONTAL SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-2.0.5 TO A-2.0.10.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 6-9-66

NO.	DATE	DWG. NO.	BY
		5-15-67	A-33	L.L.
		5-23-67	A-23	S.L.P.
		5-29-67	A-26	S.L.P.
		5-29-67	A-17	S.L.P.
		6-9-66	A-17	-V.L.
6	6-10-7	A-106	D.S.	6	6-11-67	A-16	V.L.
5	9-12-70	A-72	L.M.	5	8-1-66	A-10	C.G.
4	5-12-70	A-79	L.M.	4	6-23-66	A-5	C.G.
3	1-30-70	A-88	L.L.	3	6-29-66	A-2	C.G.
2	10-30-70	A-97	L.L.	2	8-16-66		V.L.
1				1			

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

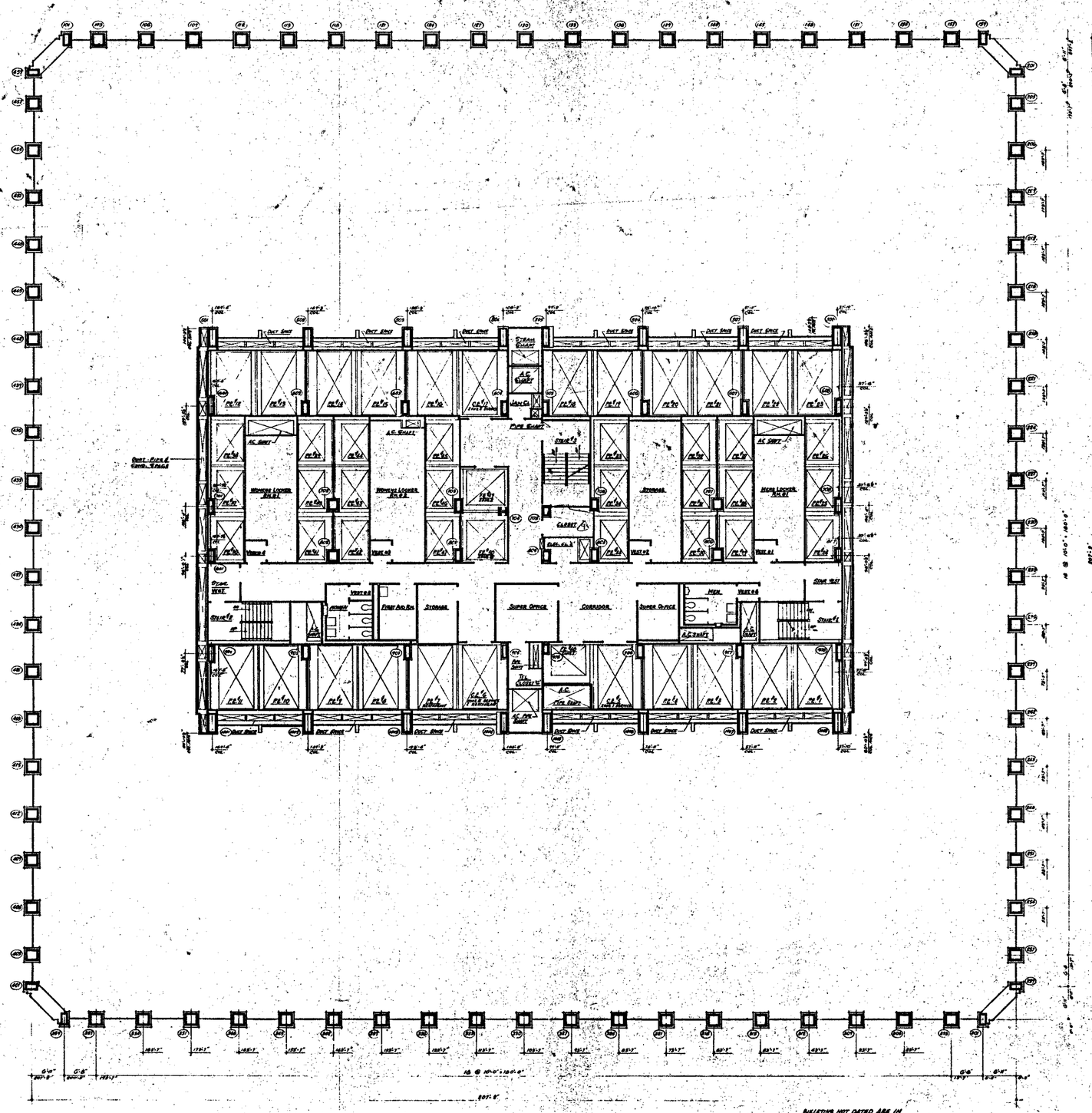
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 3rd FLOOR CORE PLAN

DESIGN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-20-67
PROJECT NUMBER | DRAWN | ck.
DRAWING NUMBER: A-A-24


NORTH
NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAINAGES SEE DRAWINGS A-0.1 TO A-0.5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE SEE 3/8" SCALE CORE DRAWING A-2.01
3. ALL ELEVATION GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, ETC., MASONRY ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
Duct Riser & Cond. Stack
Women Lockers Rm. 01
Women Lockers Rm. 02
Men Lockers Rm. 01
Storage
Super Office
Corridor
Super Office
Men
Toilet
Stair 1
Stair 2
Stair 3
Stair 4
Elec. Eq.
Fire Ext. Box
Janitor
Duct Space
Duct Shaft
Pipe Shaft
A.C. Shaft
A.C. Duct
Vent
Closet
Toilet
Duct Riser
Cond. Stack
Vent
Duct Space
Duct Shaft
A.C. Shaft
A.C. Duct

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-4.26
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DWGS. A-4.0-304 AND A-4.0-306.
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (F.O.S.+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE DIMENSIONED COLUMNS ARE CALLED FOR, SAME AS N CLOSETS STORE, PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM TO PROVIDE FOR EITHER CEILING FIXTURES AND CORNICES OR FULL HEIGHT DOORS.
8. CANTS ALLOWED ON ALL SOLAR PROJECTIONS OVER 24" PROJECTION (4" MAXIMUM) DIMENSIONS IN ELEVATION, PLANTS AND SHALL BE MINIMUM 70° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0-316 TO A-4.0-319

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO	DRAWING	date 2-9-68
		1-20-70	A-17
		5-23-67	A-32
		5-29-69	A-25
		8-29-69	A-26
		6-11-69	A-17
		6-11-69	A-69
6-15-71	A-194	8-1-69	A-10
5-13-70	A-79	6-29-66	A-5
5-13-70	A-79	4-29-66	A-5
1-20-70	A-69	8-18-65	

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

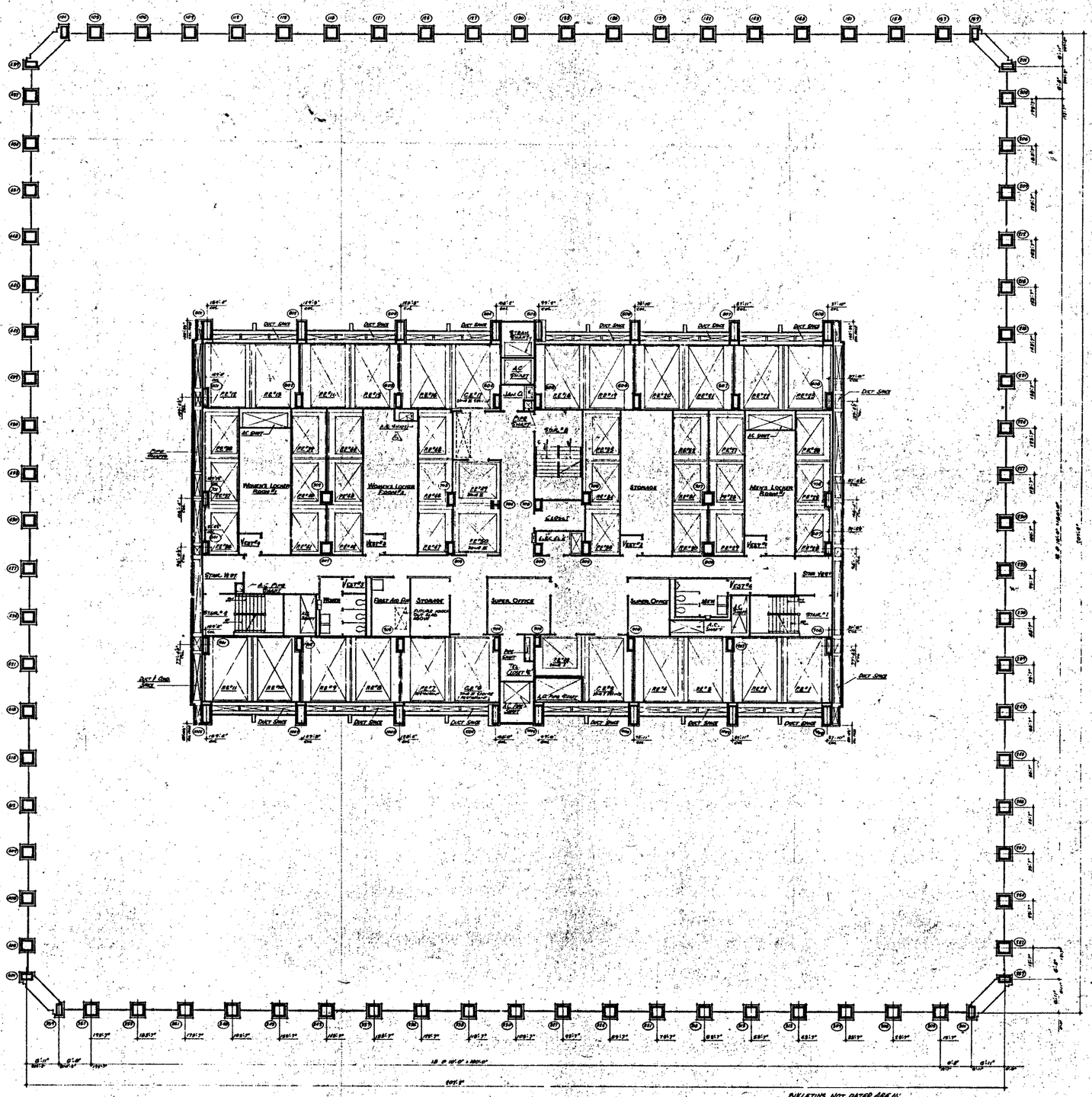
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"-1'-0"

TITLE: 4TH FLOOR CORE PLAN

DRAWING NUMBER: A-A-26



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, STANDARD ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLOGY OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR CONCRETE CONSTRUCTION SEE SHEETS 20 SERIES AND A-0.2 SCALE 1/8" = 1'-0" GRID DRAWING A-2.0.1.
3. ALL ELEVATIONS WITH (THIS SYMBOL) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE APPROPRIATE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (SHOWN THUS) UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND SHUTTERS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF PIPE, HEIGHT CHANGES, ETC.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
		CONTRACT BID DRAWING	date 5-9-68
5	8-18-70	A-78	LW
4	1-30-70	A-69	LW
3	1-30-70	A-67	LW
2	2-21-69	A-38	LS
1	7-17-68	A-8	JSG
0	5-15-68		LWL

REVISIONS

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CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 5TH FLOOR PLAN

DRAWN | CHECKED
SCALE 1/16" = 1'-0" | DATE 7-24-67
1/4" SCALE DETAILS | DRAWING NO.
CHECKED PROJECT

A-A-27

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FLOOR FINISHES, DOOR, SCHEDULES AND GENERALS OF CONSTRUCTION SEE DRAWING A-0.0 TO A-0.3.
2. FOR COMPLETE "S" SERIES FLOOR PLAN SEE DRAWING A-2.27.
3. ALL ELEVATIONS (EXCEPT TOPS (T.O.S.)) ARE IN RELATION TO FLOOR PLANS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE DRAWINGS IN THESE SETS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-6.0 TO A-6.3 AND A-6.5 TO A-6.6.
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE CIRCLED) UNLESS OTHERWISE SHOWN ON ALL NOTED.
7. SHEET TO SURFACED CHANNEL ARE CALLED FOR SUCH AS H CHANNEL, STAIR RISERS ETC BOTTOM ELEVATION OF ALL FINISH AND SOFFITS SHALL BE CONFORMED AT EACH CONDITION ALLOW FINISHED FLOOR TO FURNISH AND INSTALL SAME CLEARANCE OF ALL NOTED.
8. GRADE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" MINIMUM (EXTERNAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL SEE TYPICAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-6.0 TO A-6.06.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT BID | LAWING date 9-1-68

NO.	DATE	BULL. NO.	BY
1	1-30-70	A-66	L.H.
2	1-30-70	A-67	L.H.
3	2-23-69	A-38	L.E.
4	5-23-69	A-23	[illegible]
5	8-22-69	A-25	[illegible]
6	6-11-69	A-47	J.K.S.
7	8-1-68	A-19	D.G.
8	7-18-68	A-15	D.G.
9	7-26-68	A-9	D.G.
10	8-8-68	—	J.H.L.

NO.	DATE	BULL. NO.	BY
1	1-30-70	A-66	L.H.
2	1-30-70	A-67	L.H.
3	2-23-69	A-38	L.E.
4	5-23-69	A-23	[illegible]
5	8-22-69	A-25	[illegible]
6	6-11-69	A-47	J.K.S.
7	8-1-68	A-19	D.G.
8	7-18-68	A-15	D.G.
9	7-26-68	A-9	D.G.
10	8-8-68	—	J.H.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

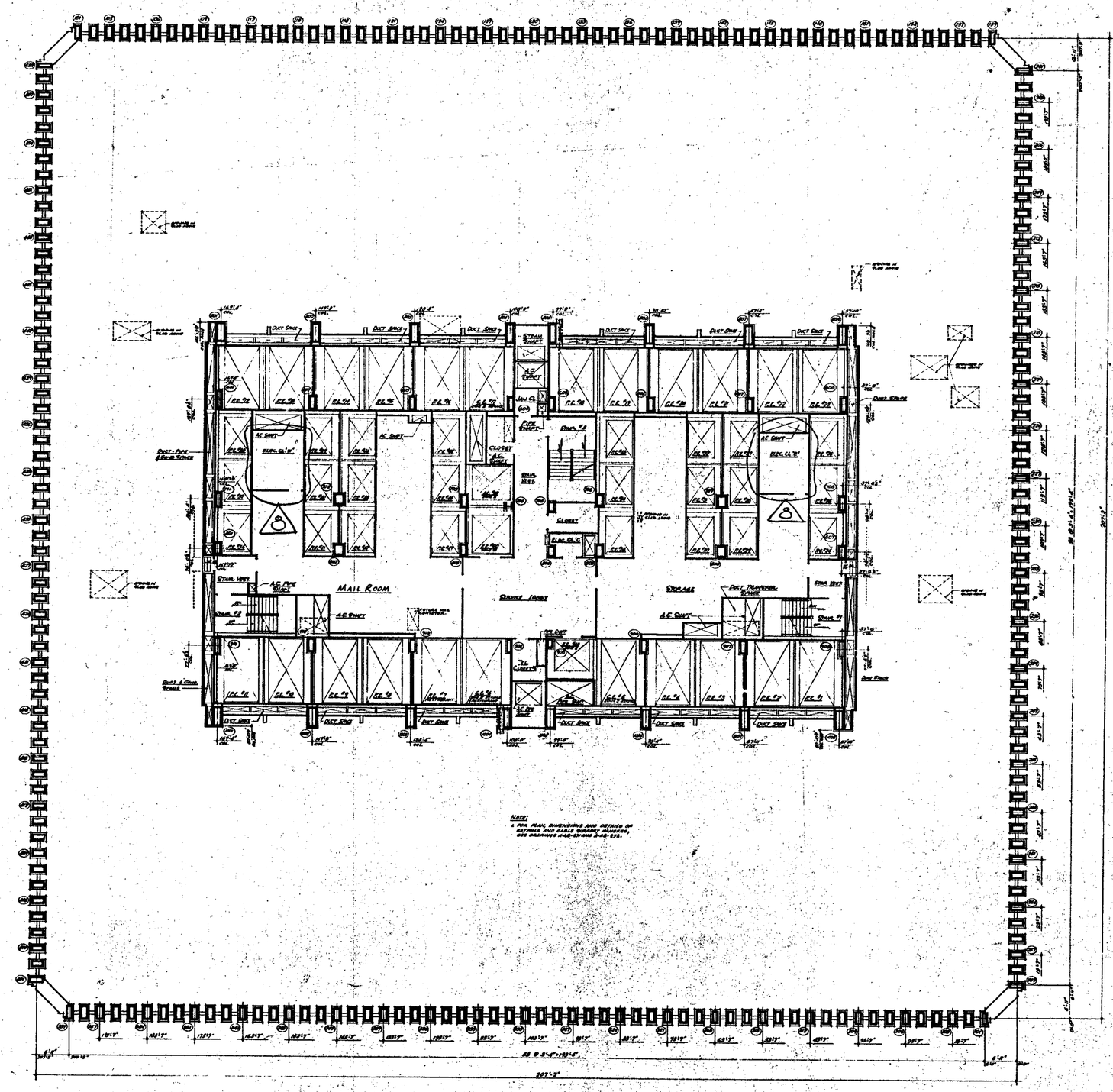
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM, & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 5TH FLOOR CORE PLAN

1/8" = 1'-0"

DRAWING | CHECKED
SCALE: 1/8" = 1'-0" | DATE: 7-30-68
PROJECT NUMBER | SHEET OF
ENGINEER NUMBER

A-A-28



NOTE:
1. FOR PLAN, DIMENSIONS AND DETAILS OF RECESS AND EARLY WARNING SYSTEMS, SEE DRAWINGS A-2.0-20 AND A-2.0-22.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PARTS, FINISHES, DOOR, HARDWARE AND SCHEDULES SEE DRAWING SEE DRAWING A-0.1-1 TO A-0.1-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA, SEE 4" SCALE CORE DRAWING A-2.0-19
3. ALL ELEVATIONS GIVEN THUS (C.I.P.) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE SUBMITTAL DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (TYP.) UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, FLOOR TO IN SLABS, STEEL FLANGES ETC., BOTTOM ELEVATION OF ALL PIPING AND CONSTRUCTION SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEAD DOORS.

BIDDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-9-65

NO.	DATE	REVISIONS	DWG. NO.	BY
1	6-1-71	ADD'L FLOOR	A-12C	LEB
2	8-18-70	REVISE STAIR 72	A-7B	LM
3	1-30-70	REVISE STAIR 72	A-8B	LM
4	1-30-70	REVISE STAIR 72	A-8T	LM
5	5-23-69	REVISE STAIR 72	A-8B	[illegible]
6	1-11-69	REVISE STAIR 72	A-9A	LM
7	5-29-68	REVISE STAIR 72	A-8	DG
8	2-13-68	REVISE STAIR 72	A-8	LM

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PIPING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR PLAN

DESIGN | DRAWN | CHECKED
SCALE 1/16"=1'-0" | DATE 7-31-67
PROJECT NUMBER | SHEET NO.
DRAWING NUMBER A-A-29

SCHEDULE OF DRAWINGS

H.V.A.C. DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
M-A-1	DRAWING INDEX, SYMBOLS AND ABBREVIATIONS
M-A-2	SUB-LEVEL No. 5 M.E.R. - LOWER LEVEL PLAN
M-A-3	SUB-LEVEL No. 4 M.E.R. - UPPER LEVEL PLAN
M-A-4	SUB-LEVEL No. 4 & 5 M.E.R. - SECTIONS
M-A-5	SUB-LEVEL No. 4 & 5 M.E.R. - SECTIONS
M-A-6	UNASSIGNED
M-A-7	UNASSIGNED
M-A-8	UNASSIGNED
M-A-9	SUB-LEVEL No. 3 - ELEV. 264 FLOOR PLAN
M-A-10	SUB-LEVEL No. 2 - ELEV. 274 FLOOR PLAN
M-A-11	SUB-LEVEL No. 1 ELEV. 284 FLOOR PLAN
M-A-12	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
M-A-13	1ST FLOOR PLAN - CONCOURSE LEVEL
M-A-14	2ND FLOOR PLAN PLAZA LEVEL
M-A-15	3RD FLOOR PLAN
M-A-16	4TH FLOOR PLAN
M-A-17	5TH FLOOR PLAN
M-A-18	6TH FLOOR PLAN
M-A-19	7TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-20	8TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-21	7TH & 8TH FLOOR M.E.R. - SECTIONS
M-A-22	7TH & 8TH FLOOR M.E.R. SECTIONS
M-A-23	UNASSIGNED
M-A-24	UNASSIGNED
M-A-25	UNASSIGNED
M-A-26	9TH - 16TH FLOOR PLAN
M-A-27	17TH FLOOR PLAN
M-A-28	18TH FLOOR PLAN
M-A-29	19TH FLOOR PLAN
M-A-30	20TH - 23RD FLOOR PLAN
M-A-31	24TH FLOOR PLAN
M-A-32	25TH FLOOR PLAN
M-A-33	26TH FLOOR PLAN
M-A-34	27TH - 30TH FLOOR PLAN
M-A-35	31ST FLOOR PLAN
M-A-36	32ND FLOOR PLAN
M-A-37	33RD FLOOR PLAN
M-A-38	34TH FLOOR PLAN
M-A-39	35TH - 39TH FLOOR PLAN
M-A-40	40TH FLOOR PLAN
M-A-41	41ST FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-42	42ND FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-43	41ST & 42ND FLOOR M.E.R. - SECTIONS
M-A-44	41ST & 42ND FLOOR M.E.R. - SECTIONS
M-A-45	41ST & 42ND FLOOR M.E.R. - SECTIONS
M-A-46	UNASSIGNED
M-A-47	UNASSIGNED
M-A-48	43RD FLOOR PLAN
M-A-49	44TH FLOOR PLAN SKYLOBBY
M-A-50	45TH FLOOR PLAN
M-A-51	46TH FLOOR PLAN
M-A-52	47TH FLOOR PLAN
M-A-53	48TH FLOOR PLAN
M-A-54	49TH FLOOR PLAN
M-A-55	50TH - 54TH FLOOR PLAN
M-A-56	55TH FLOOR PLAN
M-A-57	56TH FLOOR PLAN
M-A-58	57TH FLOOR PLAN
M-A-59	58TH FLOOR PLAN
M-A-60	59TH FLOOR PLAN
M-A-61	60TH FLOOR PLAN
M-A-62	61ST FLOOR PLAN
M-A-63	62ND FLOOR PLAN
M-A-64	63RD FLOOR PLAN
M-A-65	64TH AND 65TH FLOOR PLAN
M-A-66	66TH FLOOR PLAN
M-A-67	67TH FLOOR PLAN
M-A-68	68TH FLOOR PLAN
M-A-69	69TH FLOOR PLAN
M-A-70	70TH - 72ND FLOOR PLAN
M-A-71	73RD FLOOR PLAN
M-A-72	74TH FLOOR PLAN
M-A-73	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-74	76TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-75	75TH & 76TH FLOOR M.E.R. - SECTIONS

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-A-76	75TH & 76TH FLOOR M.E.R. - SECTIONS
M-A-77	75TH & 76TH FLOOR M.E.R. - SECTIONS
M-A-78	UNASSIGNED
M-A-79	UNASSIGNED
M-A-80	77TH FLOOR PLAN
M-A-81	78TH FLOOR PLAN SKYLOBBY
M-A-82	79TH FLOOR PLAN
M-A-83	80TH FLOOR PLAN
M-A-84	81ST FLOOR PLAN
M-A-85	82ND FLOOR PLAN
M-A-86	83RD - 86TH FLOOR PLAN
M-A-87	87TH FLOOR PLAN
M-A-88	88TH FLOOR PLAN
M-A-89	89TH AND 90TH FLOOR PLAN
M-A-90	91ST FLOOR PLAN
M-A-91	92ND FLOOR PLAN
M-A-92	93RD FLOOR PLAN
M-A-93	94TH FLOOR PLAN
M-A-94	95TH FLOOR PLAN
M-A-95	96TH - 99TH FLOOR PLAN
M-A-96	100TH FLOOR PLAN
M-A-97	101ST FLOOR PLAN
M-A-98	102ND FLOOR PLAN
M-A-99	103RD FLOOR PLAN
M-A-100	104TH FLOOR PLAN
M-A-101	105TH FLOOR PLAN
M-A-102	106TH FLOOR PLAN
M-A-103	107TH FLOOR PLAN
M-A-104	108TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-105	109TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-106	108TH & 109TH FLOOR M.E.R. - SECTIONS
M-A-107	108TH & 109 FLOOR M.E.R. - SECTIONS
M-A-108	UNASSIGNED
M-A-109	UNASSIGNED
M-A-110	UNASSIGNED
M-A-111	110TH FLOOR PLAN
M-A-112	MAIN LOBBY - SECTIONS AND DETAILS
M-A-113	MAIN LOBBY - SECTIONS AND DETAILS
M-A-114	UNASSIGNED
M-A-115	UNASSIGNED
M-A-116	RISER DIAG. EXTERIOR WALL SHAFTS SUB-LEVEL #4 - 7TH FLOOR
M-A-117	RISER DIAG. INTERIOR CORE SHAFTS SUB-LEVEL #4 - 7TH FLOOR
M-A-118	RISER DIAGRAM - NORTH CORE SHAFTS - 9TH - 41ST FLOORS
M-A-119	RISER DIAGRAM - SOUTH CORE SHAFTS - 9TH - 41ST FLOORS
M-A-120	RISER DIAGRAM - INTERIOR CORE SHAFTS 9TH - 41ST FLOORS
M-A-121	RISER DIAGRAM - NORTH CORE SHAFTS - 43RD - 75TH FLOORS
M-A-122	RISER DIAGRAM - SOUTH CORE SHAFTS - 43RD - 75TH FLOORS
M-A-123	RISER DIAGRAM - INTERIOR CORE SHAFT - 43RD - 75TH FLOORS
M-A-124	RISER DIAGRAM - NORTH CORE SHAFTS - 77TH - 108TH FLOORS
M-A-125	RISER DIAGRAM - SOUTH CORE SHAFTS - 77TH - 108TH FLOORS
M-A-126	RISER DIAGRAM - INTERIOR CORE SHAFTS - 77TH - 108TH FLOORS
M-A-127	RISER DIAG. - WEST ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-128	RISER DIAG. - NORTH ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-129	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-130	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-131	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-132	RISER DIAG. NORTH ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-133	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-134	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-135	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-136	RISER DIAG. NORTH ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-137	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-138	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-139	EQUIPMENT SCHEDULE SHEET No. 1
M-A-140	EQUIPMENT SCHEDULE SHEET No. 2
M-A-141	EQUIPMENT SCHEDULE SHEET No. 3
M-A-142	EQUIPMENT SCHEDULE SHEET No. 4
M-A-143	EQUIPMENT SCHEDULE SHEET No. 5
M-A-144	EQUIPMENT SCHEDULE SHEET No. 6
M-A-145	EQUIPMENT SCHEDULE SHEET No. 7
M-A-146	EQUIPMENT SCHEDULE SHEET No. 8
M-A-147	EQUIPMENT SCHEDULE SHEET No. 9
M-A-148	EQUIPMENT SCHEDULE SHEET No. 10
M-A-149	EQUIPMENT SCHEDULE SHEET No. 11
M-A-150	MOTOR CONTROL CENTER SCHEDULE NO. 1 SUB LEVEL NO. 5 M.E.R.
M-A-151	MOTOR CONTROL CENTER SCHEDULE NO. 2 7TH FLOOR M.E.R.

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-A-152	MOTOR CONTROL CENTER SCHEDULE NO. 3 41ST FLOOR M.E.R.
M-A-153	MOTOR CONTROL CENTER SCHEDULE NO. 4 75TH FLOOR M.E.R.
M-A-154	MOTOR CONTROL CENTER SCHEDULE NO. 5 108TH FLOOR M.E.R.
M-A-155	DETAIL SHEET NO. 1
M-A-156	DETAIL SHEET NO. 2
M-A-157	DETAIL SHEET NO. 3
M-A-158	DETAIL SHEET NO. 4

PLUMBING DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
P-A-1	DRAWING INDEX, GENERAL NOTES, SYMBOLS & FIXTURE CONNECTION SCHEDULE
P-A-2	SUB-LEVEL No. 5 M.E.R. - LOWER LEVEL PLAN EL 242
P-A-3	SUB-LEVEL No. 5 M.E.R. - UPPER LEVEL PLAN EL 253
P-A-4	UNASSIGNED
P-A-5	SUB-LEVEL No. 3 - ELEV. 264 FLOOR PLAN
P-A-6	SUB-LEVEL No. 2 - ELEV. 274 FLOOR PLAN
P-A-7	SUB-LEVEL No. 1 - ELEV. 284 FLOOR PLAN
P-A-8	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
P-A-9	1ST FLOOR PLAN - CONCOURSE LEVEL
P-A-10	2ND FLOOR PLAN - PLAZA LEVEL
P-A-11	3RD FLOOR PLAN
P-A-12	4TH FLOOR PLAN
P-A-13	5TH FLOOR PLAN
P-A-14	6TH FLOOR PLAN
P-A-15	7TH FLOOR M.E.R. LOWER LEVEL PLAN
P-A-16	8TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-17	UNASSIGNED
P-A-18	9TH - 18TH FLOOR PLAN
P-A-19	19TH FLOOR PLAN
P-A-20	20TH - 24TH FLOOR PLAN
P-A-21	25TH AND 26TH FLOOR PLAN
P-A-22	27TH - 32ND FLOOR PLAN
P-A-23	33RD AND 34TH FLOOR PLAN
P-A-24	35TH - 40TH FLOOR PLAN
P-A-25	41ST FLOOR M.E.R. LOWER LEVEL PLAN
P-A-26	42ND FLOOR M.E.R. UPPER LEVEL PLAN
P-A-27	UNASSIGNED
P-A-28	UNASSIGNED
P-A-29	43RD FLOOR PLAN
P-A-30	44TH FLOOR PLAN - SKYLOBBY
P-A-31	45TH FLOOR PLAN
P-A-32	46TH FLOOR PLAN
P-A-33	47TH FLOOR PLAN
P-A-34	48TH FLOOR PLAN
P-A-35	49TH - 54TH FLOOR PLAN
P-A-36	55TH - 58TH FLOOR PLAN
P-A-37	59TH FLOOR PLAN
P-A-38	60TH AND 61ST FLOOR PLAN
P-A-39	62ND AND 63RD FLOOR PLAN
P-A-40	64TH - 66TH FLOOR PLAN
P-A-41	67TH - 73RD FLOOR PLAN
P-A-42	74TH FLOOR PLAN
P-A-43	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
P-A-44	76TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-45	UNASSIGNED
P-A-46	UNASSIGNED
P-A-47	77TH FLOOR PLAN
P-A-48	78TH FLOOR PLAN - SKYLOBBY
P-A-49	79TH FLOOR FLOOR PLAN
P-A-50	80TH AND 81ST FLOOR PLAN
P-A-51	82ND FLOOR PLAN
P-A-52	83RD - 86TH FLOOR PLAN
P-A-53	87TH - 92ND FLOOR PLAN
P-A-54	93RD FLOOR PLAN
P-A-55	94TH - 102ND FLOOR PLAN
P-A-56	103RD - 106TH FLOOR PLAN
P-A-57	107TH FLOOR PLAN
P-A-58	108TH FLOOR M.E.R. LOWER LEVEL PLAN
P-A-59	109TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-60	110TH FLOOR PLAN
P-A-61	BULKHEAD ROOF & COPING PLAN
P-A-62	UNASSIGNED

PLUMBING DRAWINGS

DWG. No.	TITLE
P-A-63	UNASSIGNED
P-A-64	DETAIL SHEET No. 1
P-A-65	DETAIL SHEET No. 2
P-A-66	DETAIL SHEET No. 3
P-A-67	DETAIL SHEET No. 4
P-A-68	DETAIL SHEET No. 5
P-A-69	DETAIL SHEET No. 6
P-A-70	DETAIL SHEET No. 7
P-A-71	DETAIL SHEET No. 8
P-A-72	DETAIL SHEET No. 9
P-A-73	DETAIL SHEET No. 10
P-A-74	DETAIL SHEET No. 11
P-A-75	SANITARY WATER AND F.S.P. - SUB-LEVEL RISER DIAG.
P-A-76	SANITARY RISER DIAGRAM SHEET No. 1
P-A-77	SANITARY RISER DIAGRAM SHEET No. 2
P-A-78	SANITARY RISER DIAGRAM SHEET No. 3
P-A-79	SANITARY RISER DIAGRAM SHEET No. 4
P-A-80	SANITARY RISER DIAGRAM SHEET No. 5
P-A-81	SANITARY RISER DIAGRAM SHEET No. 6
P-A-82	WATER RISER DIAGRAM SHEET No. 1
P-A-83	WATER RISER DIAGRAM SHEET No. 2
P-A-84	WATER RISER DIAGRAM SHEET No. 3
P-A-85	WATER RISER DIAGRAM SHEET No. 4
P-A-86	WATER RISER DIAGRAM SHEET No. 5
P-A-87	WATER RISER DIAGRAM SHEET No. 6
P-A-88	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 1
P-A-89	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 2
P-A-90	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 3
P-A-91	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 4
P-A-92	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 5
P-A-93	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 6
P-A-94	PLUMBING EQUIPMENT SCHEDULE SHEET No. 1
P-A-95	PLUMBING EQUIPMENT SCHEDULE SHEET No. 2
P-A-96	UNASSIGNED
P-A-97	UNASSIGNED

ELEVATOR DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
L-A-1	DRAWING INDEX
L-A-2	ZONE I - PIT PLANS - BANKS A-B-C-D - SHUTTLE & FREIGHT ELEV.
L-A-3	ZONE I - RISER - BANKS A-B - SECONDARY & MACHINE RM. PLANS
L-A-4	ZONE I - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-A-5	ZONE I - ELEVATIONS BANKS A-B-C-D
L-A-6	ZONE II - PIT PLANS - BANKS A-B-C-D
L-A-7	ZONE II - RISER - BANKS - A B - SECONDARY & MACHINE RM. PLANS
L-A-8	ZONE II - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-A-9	ZONE II - ELEVATION - BANKS A-B-C-D
L-A-10	ZONE III - PIT PLANS - BANKS. A-B-C-D
L-A-11	ZONE III - RISER - BANKS A-D - SECONDARY & MACHINE RM. PLANS
L-A-12	ZONE III - RISER - BANKS B-C - SECONDARY & MACHINE RM. PLANS
L-A-13	ZONE III - ELEVATIONS - BANKS A-B-C-D
L-A-14	FREIGHT ELEVATORS - #48-49-50 - ELEVATIONS - SEC. & MACH. RM. PLANS
L-A-15	SHUTTLE ELEVATORS Nos 1-11 - HOISTWAY PLANS
L-A-16	SHUTTLE ELEVATORS M.G. ROOMS
L-A-17	ZONE II SHUTTLE ELEVATORS - SECONDARY LEVEL
	F.E. #99 ELEVATION - SECONDARY LEVEL - #G-7 - F.E. #50
L-A-18	ZONE II - SHUTTLE ELEVATORS - MACHINE ROOM
	F.E. #99 MACHINE ROOM - F.E. #50 MACHINE ROOM
L-A-19	SHUTTLE ELEVATORS Nos 12-23 - HOISTWAY PLANS
L-A-20	ZONE III SHUTTLE ELEVATORS - SECONDARY LEVEL
L-A-21	ZONE III SHUTTLE ELEVATORS - MACHINE ROOM
L-A-22	ZONE II-III - SHUTTLE ELEVATOR ELEVATIONS
L-A-23	SHUTTLE AND FREIGHT ELEVATORS. RISER & PLOT PLAN
L-A-24	TOWER ESCALATOR NO. A-3 THRU A-10 & DETAILS
L-A-25	TOWER ESCALATOR NO. A-1 & A-2
L-A-26	TOWER ESCALATOR PLOT PLAN

ELECTRICAL DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
E-A-1	DRAWING INDEX AND SYMBOL LIST
E-A-2	LIGHTING AND POWER - SUB-LEVEL No. 5 - ELEV. 242 MER
E-A-3	LIGHTING AND POWER - SUB-LEVEL No. 4 - ELEV 253 MER
E-A-4	LIGHTING AND POWER - SUB-LEVEL No. 3 - ELEV. 264
E-A-5	LIGHTING AND POWER - SUB-LEVEL No. 2 - ELEV. 274
E-A-6	LIGHTING AND POWER - SUB-LEVEL No. 1 - ELEV. 284
E-A-7	LIGHTING AND POWER - SERVICE LEVEL - ELEV 294
E-A-8	LIGHTING AND POWER - 1ST FLOOR - CONCOURSE
E-A-9	LIGHTING AND POWER - 2ND FLOOR - PLAZA
E-A-10	LIGHTING AND POWER - 3RD - 5TH FLOORS
E-A-11	LIGHTING AND POWER - 6TH FLOOR
E-A-12	LIGHTING AND POWER - 7TH FLOOR M.E.R.
E-A-13	LIGHTING AND POWER - 8TH FLOOR M.E.R.
E-A-14	UNASSIGNED
E-A-15	UNASSIGNED
E-A-16	LIGHTING AND POWER - 9TH - 16TH FLOORS
E-A-17	LIGHTING AND POWER - 17TH AND 18TH FLOORS
E-A-18	LIGHTING AND POWER - 19TH - 24TH FLOORS
E-A-19	LIGHTING AND POWER - 25TH AND 26TH FLOORS
E-A-20	LIGHTING AND POWER - 27TH - 32ND FLOORS
E-A-21	LIGHTING AND POWER - 33RD AND 34TH FLOORS
E-A-22	LIGHTING AND POWER - 35TH - 40TH FLOORS
E-A-23	LIGHTING AND POWER - 41ST FLOOR M.E.R.
E-A-24	LIGHTING AND POWER - 42ND FLOOR M.E.R.
E-A-25	UNASSIGNED
E-A-26	UNASSIGNED
E-A-27	LIGHTING AND POWER - 43RD FLOOR
E-A-28	LIGHTING AND POWER - 44TH FLOOR - SKYLOBBY
E-A-29	LIGHTING AND POWER - 45TH FLOOR
E-A-30	LIGHTING AND POWER - 46TH FLOOR
E-A-31	LIGHTING AND POWER - 47TH FLOOR
E-A-32	LIGHTING AND POWER 48TH FLOOR
E-A-33	LIGHTING AND POWER 49TH FLOOR
E-A-34	LIGHTING AND POWER 50TH - 54TH FLOORS
E-A-35	LIGHTING AND POWER 55TH AND 56TH FLOORS
E-A-36	LIGHTING AND POWER - 57TH AND 58TH, 60TH AND 61ST FLS.
E-A-37	LIGHTING AND POWER - 59TH FLOOR
E-A-38	LIGHTING AND POWER - 62ND AND 63RD FLOORS
E-A-39	LIGHTING AND POWER - 64TH - 66TH FLOORS
E-A-40	LIGHTING AND POWER - 67TH FLOOR
E-A-41	LIGHTING AND POWER - 68TH AND 69TH FLOORS
E-A-42	LIGHTING AND POWER - 70TH - 73RD FLOORS
E-A-43	LIGHTING AND POWER - 74TH FLOOR
E-A-44	LIGHTING AND POWER - 75TH FLOOR M.E.R.
E-A-45	LIGHTING AND POWER - 76TH FLOOR M.E.R.
E-A-46	UNASSIGNED
E-A-47	UNASSIGNED
E-A-48	LIGHTING AND POWER - 77TH FLOOR
E-A-49	LIGHTING AND POWER - 78TH FLOOR
E-A-50	LIGHTING AND POWER - 79TH FLOOR
E-A-51	LIGHTING AND POWER - 80TH FLOOR
E-A-52	LIGHTING AND POWER - 81ST FLOOR
E-A-53	LIGHTING AND POWER - 82ND FLOOR
E-A-54	LIGHTING AND POWER - 83RD FLOOR
E-A-55	LIGHTING AND POWER - 84TH - 86TH FLOORS
E-A-56	LIGHTING AND POWER - 87TH AND 88TH FLOORS
E-A-57	LIGHTING AND POWER - 89TH - 93RD FLOORS
E-A-58	LIGHTING AND POWER - 94TH AND 95TH FLOORS
E-A-59	LIGHTING AND POWER - 96TH - 100TH FLOORS
E-A-60	LIGHTING AND POWER - 101ST AND 102ND FLOORS
E-A-61	LIGHTING AND POWER - 103RD FLOOR
E-A-62	LIGHTING AND POWER - 104TH FLOOR
E-A-63	LIGHTING AND POWER - 105TH FLOOR
E-A-63A	LIGHTING AND POWER - 106TH FLOOR
E-A-64	LIGHTING AND POWER - 107TH FLOOR RESTAURANT
E-A-65	LIGHTING AND POWER - 108TH FLOOR M.E.R.
E-A-66	LIGHTING AND POWER - 109TH FLOOR M.E.R.
E-A-67	LIGHTING AND POWER - 110TH FLOOR
E-A-68	ROOF AND BULKHEAD PLAN
E-A-69	UNASSIGNED
E-A-70	UNASSIGNED
E-A-71	UNASSIGNED
E-A-72	SUB-STATION SS-PA - SERVICE LEVEL ELEV. 294'-0"
E-A-73	SUB-STATION SS-7N - 7TH FLOOR NORTH
E-A-74	SUB-STATION SS-7S - 7TH FLOOR SOUTH
E-A-75	SUB-STATION SS-41N - 41ST FLOOR NORTH

ELECTRICAL DRAWINGS

DWG. No.	TITLE
E-A-76	SUB-STATION SS-41S - 41ST FLOOR SOUTH
E-A-77	SUB-STATION, SS-75N - 75TH FLOOR NORTH
E-A-78	SUB-STATION SS-75S - 75TH FLOOR SOUTH
E-A-79	SUB-STATION SS-108N - 108TH FLOOR NORTH
E-A-80	SUB-STATION SS-108S - 108TH FLOOR SOUTH
E-A-81	UNASSIGNED
E-A-82	UNASSIGNED
E-A-83	ELECTRIC CLOSET PLANS AND SECTIONS - GENERAL
E-A-84	ELECTRIC CLOSET - PLANS AND SECTIONS - 43RD TO 46TH FLS. (NORTH)
E-A-85	ELECTRIC CLOSET - PLANS AND SECTIONS - 106TH TO 108TH FLS. (SOUTH)
E-A-86	ELECTRIC CLOSET PLAN - CLOSET 'C'
E-A-87	UNASSIGNED
E-A-88	UNASSIGNED
E-A-89	LIGHT AND POWER RISER DIAG - SUB-LEVEL No. 5 - 24TH FLOOR
E-A-90	LIGHT AND POWER RISER DIAG - 25TH - 58TH FLOORS
E-A-91	LIGHT AND POWER RISER DIAG - 59TH - 92ND FLOORS
E-A-92	LIGHT AND POWER RISER DIAG - 93RD - 110TH FLOORS
E-A-93	ANTI-INTRUSION ALARM AND TENANT LIGHTING CONTROL RISER DIAGRAM AND DETAILS
E-A-94	EMERG. LTG. AND RECEPT. RISER DIA. - SUB-LEVEL No. 5 - 24TH FLS.
E-A-95	EMERG. LTG AND RECEPT. RISER DIA. - 25TH - 58TH FLOORS
E-A-96	EMERG. LTG AND RECEPT. RISER DIA. - 59TH - 92ND FLOORS
E-A-97	EMERG. LTG AND RECEPT. RISER DIA. - 93RD - 110TH FLOORS
E-A-98	FIRE COMMUNICATION SYSTEM RISER DIAGRAM
E-A-99	EMERG. POWER CENTER & TRANSFER SWITCH SCHEDULES & WIRING DIAGS.
E-A-100	ELEVATOR DISTRIBUTION PANEL SCHEDULES & ELEVATIONS
E-A-101	UNASSIGNED
E-A-102	UNASSIGNED
E-A-103	UNASSIGNED
E-A-104	MOTOR CONTROL CENTER SCHEDULES - SUB-LEVEL No. 5 & 7TH FL.
E-A-105	MOTOR CONTROL CENTER SCHEDULES - 41ST AND 75TH FLOORS
E-A-106	MOTOR CONTROL CENTER SCHEDULES - 75TH AND 108TH FLOORS
E-A-107	MOTOR, FIRE STANDPIPE AND SMOKE DETECTOR SYSTEM WIRING DIAGRAMS AND SCHEDULES
E-A-108	UNASSIGNED
E-A-109	LIGHTING AND RECEPT. PANEL SCHEDULES - 9TH - 24TH FLS.
E-A-110	LIGHTING AND RECEPT. PANEL SCHEDULES - 25TH - 40TH FLS.
E-A-111	LIGHTING AND RECEPT. PANEL SCHEDULES - 43RD - 58TH FLS.
E-A-112	LIGHTING AND RECEPT. PANEL SCHEDULES - 59TH - 74TH FLS.
E-A-113	LIGHTING AND RECEPT. PANEL SCHEDULES - 77TH - 92ND FLS.
E-A-114	LIGHTING AND RECEPT. PANEL SCHEDULES - 93RD - 107TH FLS.
E-A-115	EMERG. AND HOUSE LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-A-116	UNASSIGNED
E-A-117	UNASSIGNED
E-A-118	LIGHTING PANEL REMOTE CONTROL SYSTEM DIAGRAMS
E-A-119	LIGHTING PROTECTION SYSTEM DETAILS
E-A-120	GROUNDING SYSTEM DIAGRAM & DETAILS
E-A-121	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-122	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-123	FLOOR SYSTEM DETAILS - SERVICE FITTINGS
E-A-124	ALTERNATE "B" CEIL. WIRING SYSTEM PERSPECTIVE VIEW AND ASSEMBLY DRAWING
E-A-125	ALTERNATE "B" CEIL. WIRING SYSTEM WIRING DEVICE AND FITTING DETAILS
E-A-126	PRIMARY FEEDER SPLICE DETAILS
E-A-127	PULL & SPLICE CABINET AND CABLE SUPPORT DETAILS
E-A-128	PULL & SPLICE CABINET & PRIMARY CONDUIT RISER ELEVATION
E-A-129	UNASSIGNED
E-A-130	MISCELLANEOUS DETAILS
E-A-131	PANEL BOARD - BUS DUCT & OUTLET BOX SUPPORT DETAILS FOR TYP. PLAN
E-A-132	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM SUB-LEVEL No. 5 - 24TH FLOOR.
E-A-133	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 25TH - 58TH FLOORS.
E-A-134	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 59TH - 92ND FLOORS.
E-A-135	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 93RD - 110TH FLOORS.
E-X-1	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION ELEVATION 280-284 SECTION "J"
E-X-2	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION ELEVATION 280-284 SECTION "K"
E-X-3	PRIMARY DISTRIBUTION - CENTER PLAN, ELEVATIONS AND SCHEDULES
E-X-4	PRIMARY SERVICE AND DISTRIBUTION SECTIONS AND DETAILS
E-X-5	TEMPORARY SERVICE VAULT AND SWITCHBOARD SCHEDULE
E-X-6	PLAN OF LIGHTNING PROTECTION AND GROUNDING SYSTEM AT ELEVATION 280-284
E-X-7	13 K.V. SERVICE AND DISTRIBUTION SYSTEM RISER DIAGRAM
E-X-8	SINGLE LINE DIAGRAM - PLAZA
E-X-9	SINGLE LINE DIAGRAM - TOWER 'A'
E-X-9A	SINGLE LINE DIAGRAM - TOWER 'B'
E-X-10	EMERGENCY SINGLE LINE DIAGRAM
E-X-11	DETAIL OF FIRE PUMP CONTROL STATION. TRANSFER SWITCH CONTROL PANEL & EMERGENCY CONTROL SYSTEM RISER DIAGRAM
E-X-12	UNASSIGNED
E-X-13	UNASSIGNED

CONTRACT BID DRAWING date 8-9-66

BULLETINS NOT DATED ARE IN THE PROCESS OF [illegible]

NO.	DATE	BUL. NO.	BY
4	9-25-74	A-485	L.J.
3	VOID	A-163	L.J.
2	11-6-70	A-85	L.J.
1	6-28-68	A-5	DG.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS — MECHANICAL TRADES

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-3		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR CONCRETE 9" SLAB ALONG PLAN SEE DRAWINGS A-0.5, A-0.6.
3. ALL ELEVATIONS GIVEN THUS (24'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ALTERNATIVE SYMPHONIE DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE SHEETS A-0.5-104 AND A-0.6-105.
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC, WITH ELEVATION OF ALL PIPING AND DUCTWORK, WALLS ARE MAINTAINED AT 9'-2" ABOVE FINISHED FLOOR, TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CENTER LINE ADHERED TO ALL BEAM PROJECTIONS OVER 7'-0" MINIMUM OF WIDTH DIMENSION IN ELEVATOR, SHAFTS AND WALLS BE MAINTAINED 7'0" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-0.5-106 TO A-0.6-106

BULLETINS NOT LISTED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 6-9-66
		5-27-67 A-30
		9-22-67 A-30
		5-28-68 A-30
11-2721 A-100	L-4	10-23-68 A-17
6-67-1 A-105	D-7	6-11-69 A-17
6-67-1 A-104	D-7	6-11-69 A-08
6-1-1 A-103	LET	8-1-68 A-10
6-67-1 A-102	L-4	8-20-68 A-6
6-68-20 A-79	A-4	4-17-68 A-7
6-30-70 A-67	L-4	8-8-68

NO.	DATE	BUL. NO.	BY
		REVISIONS	

NO.	DATE	BUL. NO.	BY
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

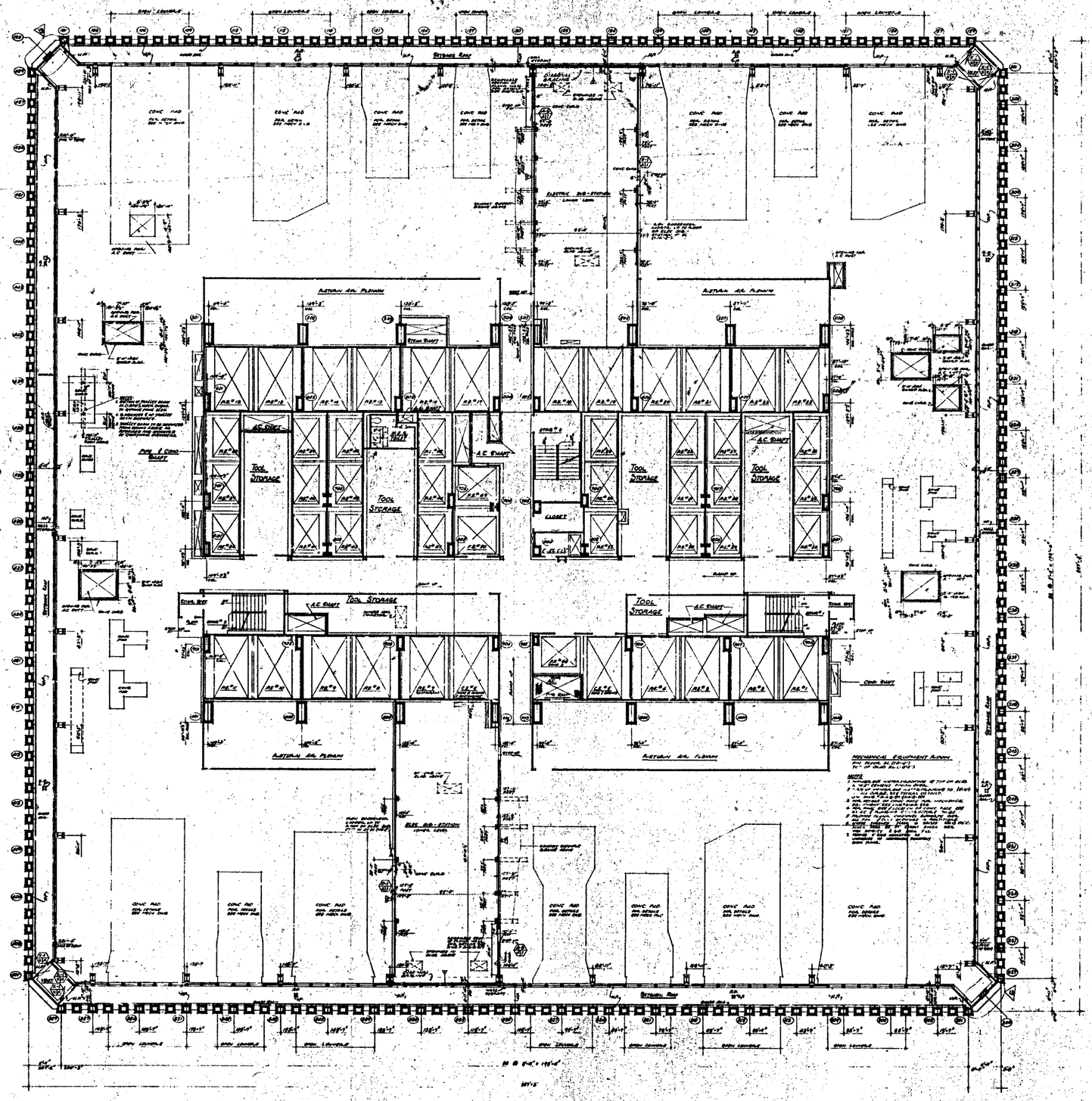
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0" | DRAWN: | CHECKED: | DATE: 7-26-67

PROJECT NO. | SHEET OF

DRAWING NUMBER: A-A-30



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS & ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWINGS A-4.25.
3. ALL ELEVATIONS GIVEN THUS (E 0'-0") ARE IN ADDITION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.
5. FINISH FLOOR ELEVATION (10'-0"), TOP OF SLAB ELEVATION (9'-8½") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE HI FURRED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, BATHS, PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION. CLEARANCE OF FULL HEIGHT DOORS.
7. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.

BULLETINS AND CHANGES NOT IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date 1-1-66		
		10	5-15-70	A-66	A.H.
		9	5-15-70	A-79	A.H.
		8	1-30-70	A-98	L.H.
		7	1-30-70	A-97	L.H.
		6	8-22-69	A-27	Gen.
		5	1-31-69	A-88	L.H.
		4	9-1-68	A-8	M.H.
A	A-1.2B, A-3.1a	DB	3	6-26-68	A-5	D.B.
A	A-27.7, A-3.00	L.J.	2	4-22-68	A-9	D.B.
A	1-30-70, A 222	J.C.	1	3-15-68		U.L.

NO.	DATE	SUB. NO.	BY
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT — EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS — JAROS, BAUM & BOLLES, MECHANICAL-ELECTRICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS — THE PORT OF NEW YORK AUTHORITY, PAVING, UTILITIES, FOUNDATIONS

TITLE: 7th FLOOR PLAN, LOWER, MEZZ EQUIP. RM. LEVEL

SCALE: 1/16" = 1'-0"

DRAWING NO. A-A-31

NORTH

NOTES

1. FOR GENERAL NOTES KEY TO NOTE(S) SYMBOLS, ABBREVIATIONS FOR DIV. NUMBERS, AXIS DESIGNATIONS, AND SYMBOLISM SEE DRAWINGS A-0.1 TO A-0.5
2. FOR COMPLETE "E" SCALE PLANS, KEY PLAN SEE DRAWING A-0.01
3. ALL DIMENSIONS GIVEN THUS (10'-0"-) ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE DRAWINGS SHEET NOS.
5. FOR TYPICAL STAIR DETAILS SEE DWG^S A-3.5-006 AND A-3.5-006
6. FINISH FLOOR ELEVATION (10'-0") TOP OF SLAB ELEVATION (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN TOILETS, STAIRS, MATERIALS ETC., BOTTOM ELEVATION OF ALL FINISHED SOFFITS SHALL BE CONSTRUCTED AT 8'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. JOINTS ARE REQUIRED IN ALL SLAB FLOOR FINISHES OVER 24' (GENERAL) DIMENSION IN BOTH THE T-JOINTS AND SHALL BE MINIMUM 75° FROM PERPENDICULAR SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8.1-005 TO A-A8.1-010.
10. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (+0'-8") UNLESS OTHERWISE SHOWN OR NOTED.

NOTES

1. SPRINKLER WATERPROOFING AT TOP OF SLAB 1/2" TO 1" CURB AT P.E.
2. TYPE OF MEMBRANE WATERPROOFING TO EXTEND ALL CURBS SEE TYPICAL DETAILS ON DWG^S A-3.5-011, 012 & 013.
3. FOR DEPTH OF SUMP PITS FOR REFRIGERANT, FOUNDATION DWG. A-3.5-006.
4. FOR FINAL SIZE & LOCATION OF CONCRETE PADS SEE M.E.P.C. & PLUMBING CONTRACTORS DRAWINGS.
5. REMOVE FORMS, CHANNEL SUPPORTS, ALL ROD & BOLT PROJECTIONS IN PARTITIONS SEE DETAILS A-A8.1-005.
6. WHERE FINISHED FLOOR IS RAISED ABOVE (10'-0"), FLOOR SHALL BE 3/4" CEMENT FINISH OVER 3" CONCRETE FILLED PANS ON 2" SLAB.
7. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

MECHANICAL EQUIPMENT ROOM

Col. #702 & #707

Col. #705

Col. #802 & #806

Col. #805

COLUMN DETAILS

CONTRACT NO.	DRAWING - date 6-1-68
1. 69-76 A-201	1. A-10-70 A-47
2. 6-1-70 A-167	2. A-20-C1 A-17
3. 1-15-70 A-199	3. A-20-01 A-17
4. 1-20-71 A-222	4. E-15-01 A-23
5. 6-8-71 A-164	5. 1-1-69 A-17
6. 1-5-70 A-108	6. A-1-69 A-93
7. 8-3-70 A-85	7. 11-1-68 A-8
8. 8-6-70 A-79	8. 6-1-68 A-10
9. 8-28-70 A-89	9. A-23-A-5 A-6
10. 8-28-70 A-89	10. E-8-68 E-1

DATE - BUIL. NO. - BY

REVISIONS

DATE - BUIL. NO. - BY

REVISIONS

BULLETINS NOT LISTED ARE IN THE PREVIOUS 24" CONSTRUCTION

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

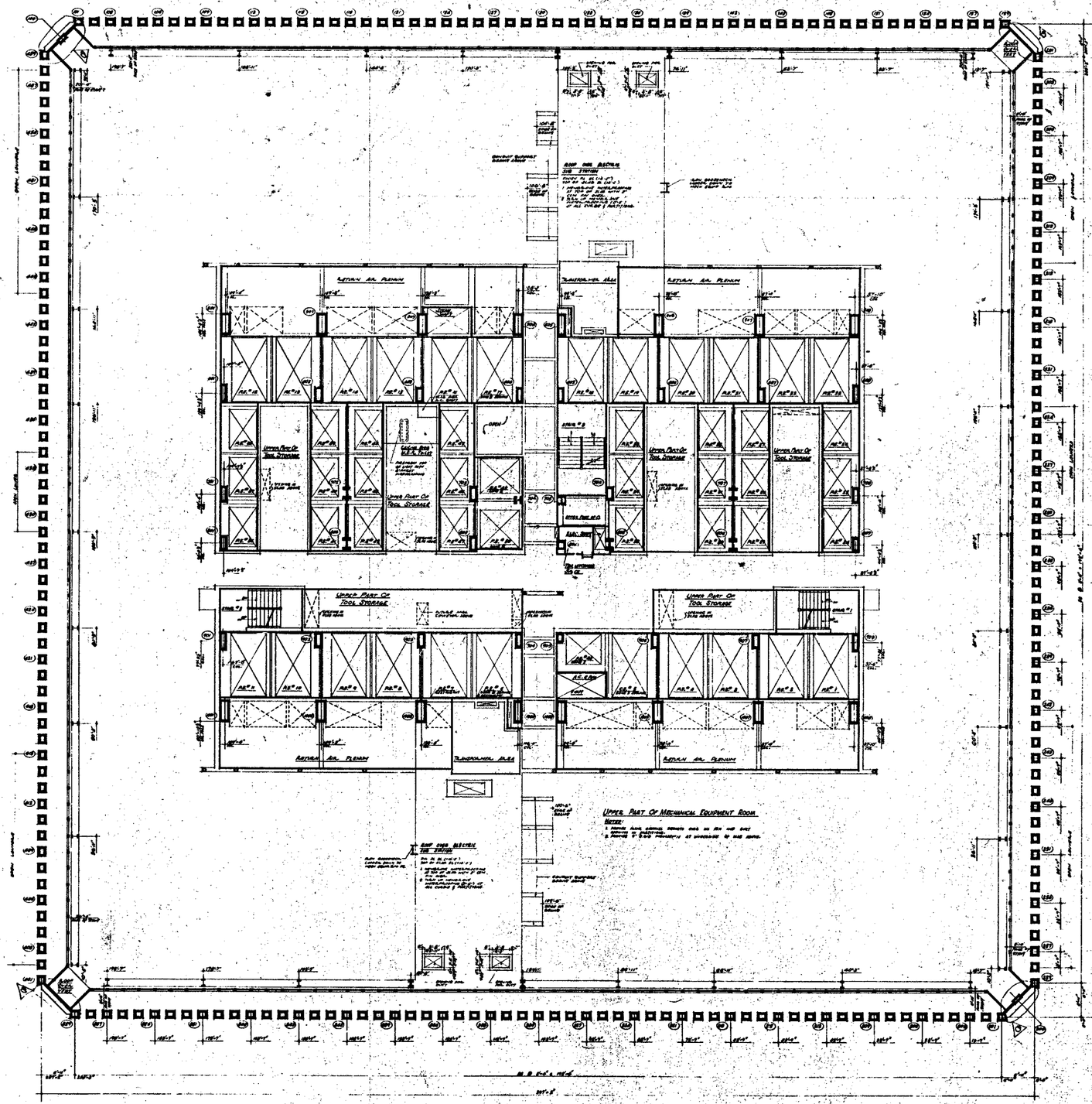
THE PORT OF NEW YORK AUTHORITY
ARCHIT. UTILITIES/FOUNDATIONS

TITLE: 7TH FLOOR CORE PLAN
LOWER MECH EQUIP ROOM LEVEL

SCALE: 1/16"=1'-0" | DRAWING NO. 7

DATE: 7-29-68 | CONTRACT NO.

A-A-32



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-6.
2. FOR COMPLETE DIMENSIONS AND NOTES, IN CASE MISS. OF SCALE USE DRAWING A-1-82.
3. ALL ELEVATIONS GIVEN THUS (5'-0 1/2") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.

BUILDING NOTE DATED ARE IN THE PROCESS OF COMPLETION.

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
6	6-18-70	A-816	DB
5	5-27-70	A-398	L.J.
4	1-30-70	A 223	L.C.
3	8-15-70	A-68	B.H.
2	1-30-70	A-43	L.J.
1	1-30-69	A-28	L.J.
0	11-25-69	A-27	L.J.
Δ	11-1-68	A-11	M.M.

REVISIONS

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CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 8TH FLOOR PLAN
UPPER MECHANICAL LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-29-47
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-33		

LOOP OVER ELEC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

LOOP OVER ELEC SUB-STATION

North

NOTES

1. FOR GENERAL NOTES SEE 1ST FLOOR PLAN, DRAWING A-1-1.00.
2. FOR LEGENDS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLS SEE DRAWINGS A-0.1 TO A-0.6.
3. FOR LOCATION OF SLOPE FLOOR, SEE DRAWING A-2.1-1.00.
4. ALL ELEVATIONS SHOWN THUS (100'-0") ARE IN REFERENCE TO FINISH 1ST FLOOR.
5. FOR ARCHITECTURAL AND MECHANICAL LAYOUTS SEE ARCHITECTURAL DRAWINGS.
6. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.6-1.00 AND A-2.6-2.00.
7. CEILING HEIGHTS INDICATED ON ALL BEAM PROJECTION DATA ARE MINIMUM (7'-0" DETAIL) DIFFERENCE IN ELEVATION BETWEEN CEILINGS AND SOFFITS SHALL BE MAXIMUM 12" FROM INDUSTRIAL TO OFFICE AREAS. SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.8-1.00 TO A-2.8-4.00.

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES

1. PROVIDE PLASTIC CHANNEL SUPPORTS OVER ALL PERIMETER MOVEMENT IN PARTITIONS.
2. PROVIDE 6" BOND INSULATION AT UNDERSIDE OF SLAB.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT NO			DRAWING	Date 6-9-66	
			1-10-70	A-17	L.H.
			1-20-70	A-25	L.H.
			2-20-69	A-23	E.L.P.
			8-23-67	A-27	E.L.P.
4-19-70	A-304	DS	2-6-69	A-7	J.V.L.
1-20-70	A-253	L.J.	2-6-69	A-29	J.V.L.
1-20-70	A-222	L.C.	11-1-68	A-11	W.G.
6-8-70	A-186	D.P.	8-1-68	A-1*	D.G.
3-18-70	A-64	A.H.	6-26-68	A-8	D.G.
2-13-70	A-79	J.V.	5-10-68		J.V.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, F. AIA ARCHITECT — RICHARD ROTH, ARCHITECT

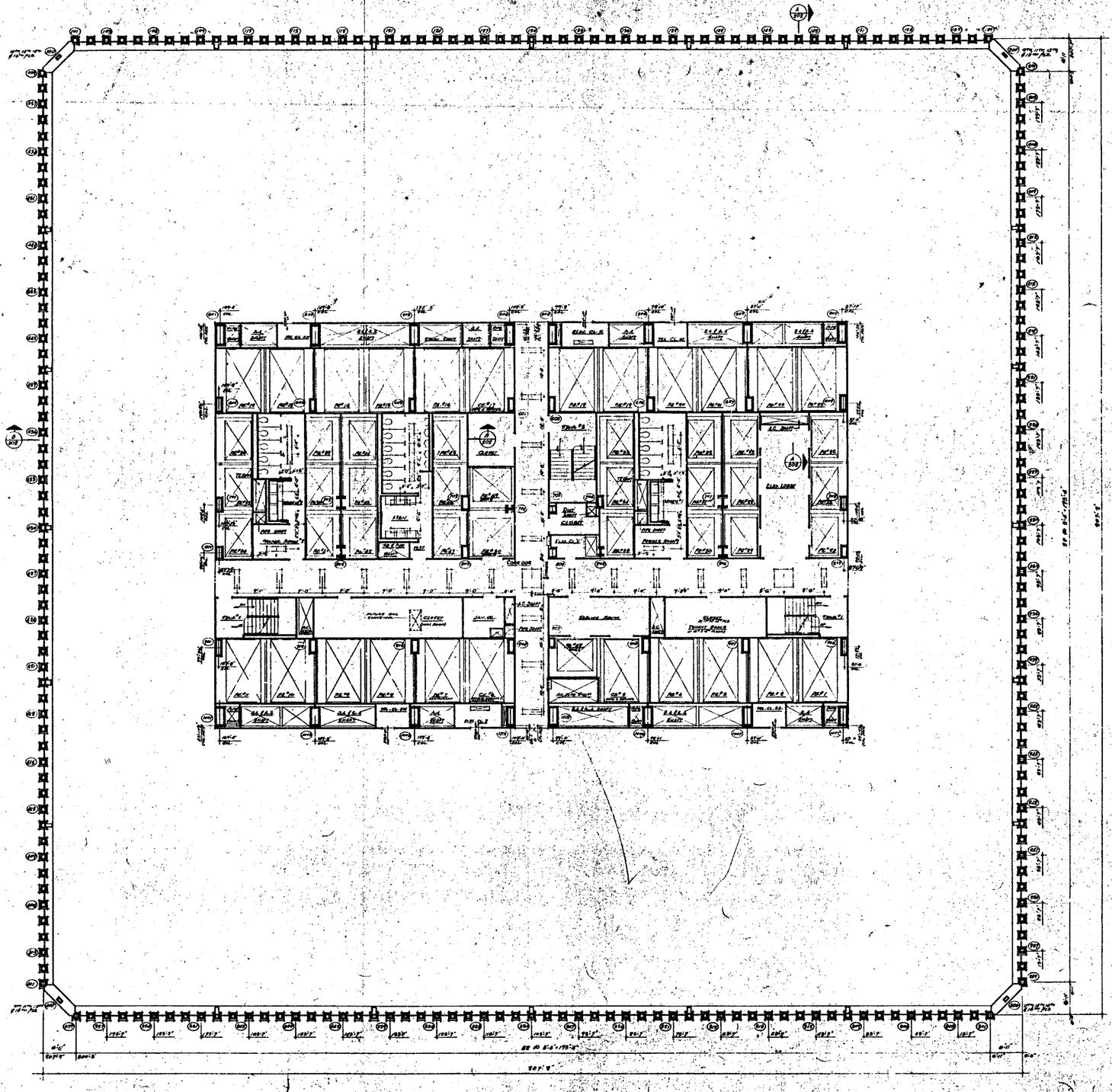
WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
SOILS ENGINEERS & ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: 8TH FLOOR CORE PLAN
UPPER MECHANICAL LEVEL

DESIGNED — CHECKED —
SCALE: 1/8"=1'-0" — DATE —
APPROVED — DRAWN —

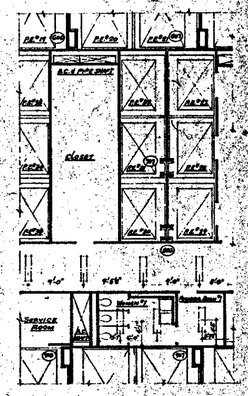
A-A-34



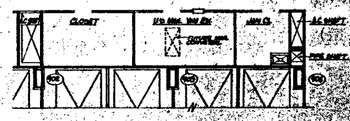
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND WINDOW TYPE SCHEDULE SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE DIMENSIONS AND NOTES ON WALLS, AREA TYPE 'A' WALL TYPE DRAWING A-0.1-88 AND A-0.1-89.
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. ALL TRENCH HEADERS TO BE PRE-PLOOPED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SOLATION TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL, ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS, AND OF FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING CIRCUITS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE ONLY UNLESS OTHERWISE SHOWN ON NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, CHECK H.V.H. CLOSETS, TOILET ROOMS, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS [illegible]



PART PLAN AT 16TH FLOOR.



PART PLAN AT 16TH FLOOR

9

BUILDINGS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT NO. DRAWING Rev. 2-4-4

NO.	DATE	SUB. NO.	BY
1	6-18-71	A-170	RB1
2	6-8-71	A-166	JS
3	11-6-70	A-88	L.L.
4	2-6-71	A-89	L.L.
5	7-12-70	A-87	L.L.
6	1-30-70	A-83	L.L.
7	9-29-69	A-17	L.L.
8	7-1-68	A-7	MB
9	5-25-68	A-5	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

ARCHITECTURAL SEAL

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORIMO & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

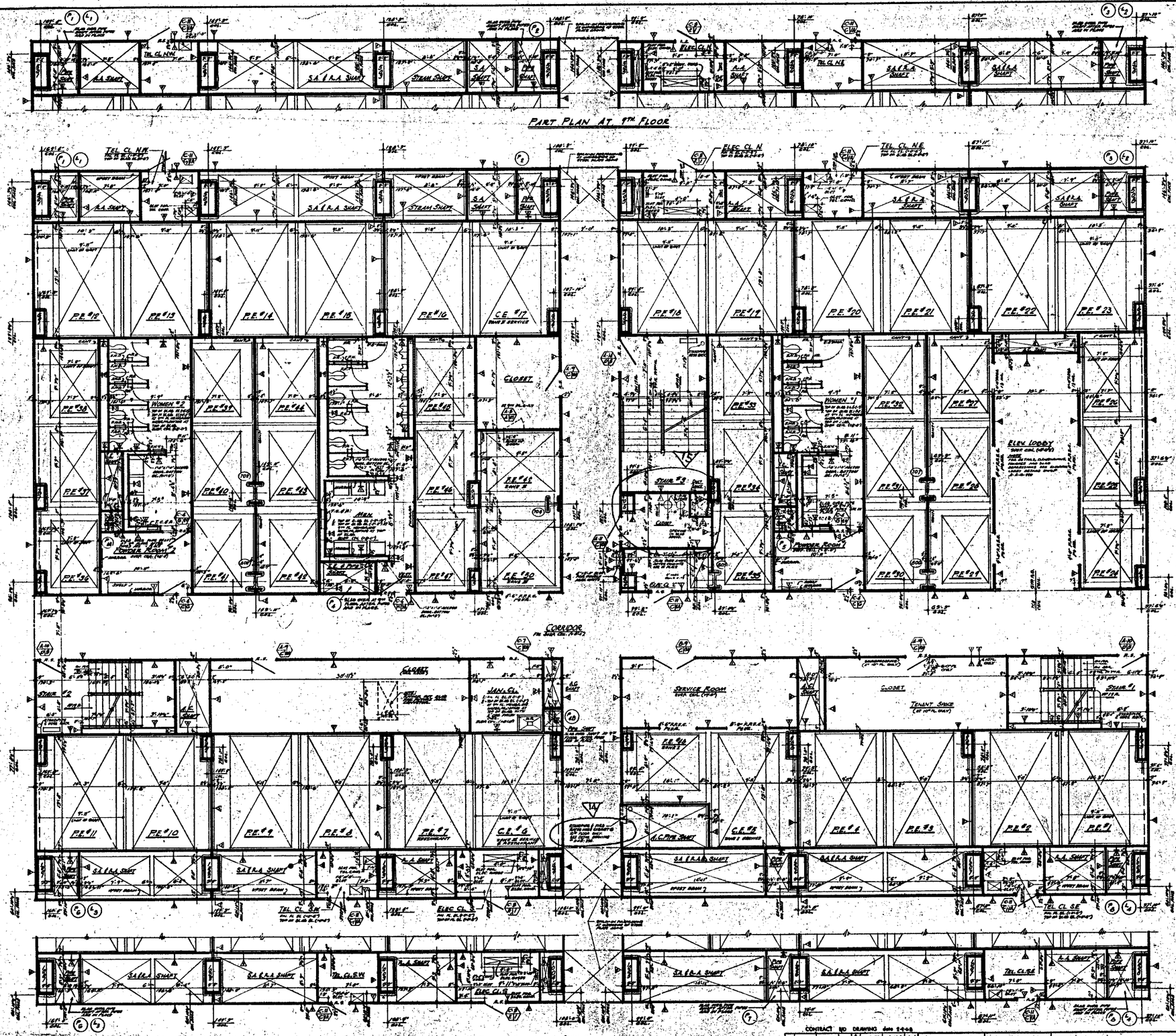
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 9TH TO 16TH FLOOR PLAN

1/16" = 1'-0"

DRAWN | CHECKED | DATE
SCALE 1/16" = 1'-0" | SHEET
PROJECT NUMBER | QUALITY
DESIGNED | DRAWING NO. A·A·37



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS: SEE DRAWING # A-A-1 TO A-A-16.
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING # A-A-27.
3. ALL ELEVATIONS GIVEN THUS (+81'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A-2-201, & A-A-2-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR SHOULD SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FL. ELEVATION & TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN ON NOTES.
8. PROVIDE SANITARY DISPOSALS IN MEN AND WOMEN TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SHAFT OPENINGS INSIDE TO BE LOCATED IN ACCORDANCE WITH TYPE SHOWING. SEE TYPICAL TOILET DETAILS, DRAWING # A-A-2-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC., BOTTOM ELEVATION OF ALL BEAMS AND SOFFITS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" HORIZONTAL DIMENSION, IN CORNER, CANTS AND SHALL BE BEGINNING 72" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS # A-A-2-206 TO A-A-2-212.

BULLETINS ISSUED DURING THE BIDDING OR NEGOTIATION PERIOD

CONTRACT NO	DRAWING date 2-4-68		
	11-6-70	A-1.04	L-1
	1-20-70	A-1.01	L-2
	1-20-70	A-1.03	L-3
	1-20-70	A-1.02	L-4
	5-25-071	A-01	ST-1
2-5-71	5-25-041	A-1.06	L-5
2-5-71	5-25-07	A-17	PLMB
2-1-71	5-25-03	A-1.05	MECH
1-5-70	5-25-01	A-1.07	ELEC
1-5-70	5-3-1-0	A-1.0	CIVIL
1-5-70	5-12-06	A-1.08	L-6

REVISIONS — REVISIONS

APPROVED: OF N.Y. PLANNING DIVISION, DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 9th & 10th FLOOR CORE PLAN

DRAWN	TP	CHECKED	
SCALE	1/8"=1'-0"	DATE	2-20-70
PROJECT ENGINEER		SHEET	OF
DRAWING APPROVED			A-A-38

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF PARTITIONS SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR COMPLETE 'G' SCALE FLOOR PLAN SEE DRAWING A-A-87.
3. ALL ELEVATIONS GIVEN THUS (104.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STUD DETAILS SEE DWG. A-A-A-A-206 AND A-A-A-208.
6. ALL TRENCH HEADERS TO BE PARALLEL OF UNIFORM OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION 2" TOP OF SLAB ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS, ONE DISPENSER AT EVERY LAVATORY, ACCESS DOOR TO SOAP DISPENSER VALVE TO BE LOCATED IN ACCORDANCE WITH TILE COUPONS. SEE TYPICAL TOILET DETAILS, DRAWING A-AA-E#L.
9. WATER, HOT DISPOSAL CONDUIT AND DRAIN LINES ARE SHOWN IN CLOSETS, STAIR PASSAGE ETC., BOTTOM ELEVATION.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——— ——
11. CARTO TO BE ADJUSTED ON ALL BEAM PROJECTIONS OVER 6'-0" NOMINAL (ACTUAL) DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'0" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AA-206 TO A-AA-212.

PART PLAN AT 16TH FLOOR

ELEVATION

PLAN

DETAILS OF PACKAGED TELEPHONE PANEL THRU WALL

PART PLAN AT 16TH FLOOR

ELEVATION OF SHELVING IN U.S. MAIL VAN ROOM

SECTION A-A

REVISIONS				REVISIONS			
DATE	DWG. NO.	BY	NOTE	DATE	DWG. NO.	BY	NOTE
				11-18-54	A-595	J.R.	
				12-17-54	A-600	J.C.	
				6-8-55	A-778	B.F.	
				8-8-55	A-776	D.F.	
				9-7-55	A-765	L.J.	
				10-5-55	A-769	L.J.	

CONTRACT BID DRAWING date 2-9-55

7-18-55	A-77	L.J.	
7-20-55	A-81	L.J.	
7-28-55	A-86	L.J.	
7-30-55	A-87	L.J.	
8-23-55	A-81	ATS	
8-29-55	A-86	S.S.H.	
8-29-55	A-77	HMK	
8-29-55	A-75	HMK	
8-29-55	A-7	HMK	
8-29-55	A-70	DRJ	
11-1-55	A-7	HMK	

APPROVED

CHIEF, PLANNING DIVISION (TC)

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY RAILROAD, UTILITIES & TERMINALS

11TH TO 16TH FL. CORE PLAN

SCALE 1/8" = 1'-0"

DATE 7-18-55

DRAWN

CHECKED

PROJECT

DRAWING NO. A-A-85

FINISH SCHEDULE

ZONE	LOCATION: SPACE	LOCATION: FLOOR	FLOOR: FINISH	BASE: FINISH	WALLS: MATERIAL	WALLS: FINISH	CEILING: MATERIAL	CEILING: FINISH	REMARKS
			Portland Cement Concrete; Mastic Asbestos; Mastic Tile; Ceramic Tile; Terrazzo; Carpeting; Synthetic Surface	Cement; Rubber; Terrazzo; Wood; Marble; Painted; Tile; Ceramic Tile; Synthetic Base	Masonry; Face Brick; Glazed Face Brick; Ceramic Tile; Gypsum Plank; Gypsum Lath; Metal Lath; Marble; Wood; Plaster; Metal Stud	Painted; Vinyl Covering; Unfinished; Glazed Ceramic Tile; Cement Plaster	Acoustic Tile; Metal Pan; Plaster; Concrete; Steel Deck; Spray-on F.P.; Luminous Ceil.	Painted; Unfinished	
	CELLAR STAIR #3	SUB-LEVEL #2 EL. 668'-0"	•						* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						* SEE PLANS FOR EXTENT OF PARGING
	CLOSET	"	•						
	A.C. TRANSFER PLENUM	"	•						* ALL AC FAN ROOM WALLS TO ABOVE ROOF SLAB WATERPROOFING SEE P.A. SPECIFICATION SHEET AND DETAILS 1 SHEET AT MISCELLANEOUS
	MECHANICAL EQUIPMENT ROOM	"	•						
	PITS BELOW 242'-0" SLAB	"							
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	CELLAR STAIR #3	SUB-LEVEL #2 EL. 681'-0"	•						
	A.C. SHAFT	"	•						* SEE PLANS FOR EXTENT OF PARGING
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	CELLAR STAIR #3	SUB-LEVEL #3 EL. 654'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	TENANT STORAGE	"	•						
	A.C. TRANSFER PLENUM	"	•						* SEE PLANS FOR EXTENT OF PARGING
	A.C. FAN ROOMS	"	•						
	A.C. PLENUMS	"	•						* SEE PLANS FOR EXTENT OF PARGING
	ELEVATOR PITS	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR'S CLOSET	"	•						
	MEN'S TOILET AND WOMEN'S TOILET	2nd FLOOR							
	VESTIBULES (MENS AND WOMEN'S TOILETS)	"	•						
	CELLAR STAIR #3	SUB-LEVEL #4 EL. 629'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	TENANT STORAGE	"	•						
	A.C. TRANSFER PLENUM	"	•						
	A.C. PLENUMS	"	•						
	ELEVATOR PITS	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR'S CLOSET	"	•						
	CLOSET	"	•						
	CELLAR STAIR #3	SUB-LEVEL #1 EL. 692'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	STORAGE	"	•						
	PUMP ROOM	"	•						
	UNASSIGNED SPACE #1	"	•						
	TELEPHONE CLOSET N.W. & S.E.	"	•						
	ELEVATOR PITS	"	•						
	A.C. TRANSFER PLENUM	"	•						* SEE PLANS FOR EXTENT OF PARGING
	TELEPHONE SPLICE ROOM	"	•						
	UNASSIGNED SPACE #2	"	•						
	STAIR #J-4 AND #K-1 VESTIBULES	"	•						
	JANITOR'S CLOSET	"	•						
	VESTIBULES (MAKING TO UNASSIGNED #2)	"	•						
	ELECTRIC CLOSETS 'NE & W'	6th FLOOR							
	UNASSIGNED SPACE	1st TO 6th FLOORS							
	LOADING PLATFORM	SERVICE LEVEL EL. 696'-0"							
	CELLAR STAIR #3	SERVICE LEVEL EL. 696'-0"							
	CONCOURSE CONTRACTOR ROOM	"	•						* SEE PLANS FOR EXTENT OF PARGING, AS PER CONTRACT NO. CONTRACTOR, 101 SEE SPACE SHEET
	VESTIBULES	"	•						
	ELEC. CLOSET 'C'	"	•						
	PUMP ROOM	"	•						
	ELECTRIC SUB-STATION	"	•						
	ELEVATOR AND STORAGE	"	•						
	U.S. MAIL ROOM	"	•						* HEAVY DUTY INDUSTRIAL TYPE VINYL ASBESTOS FLOORING
	A.C. TRANSFER PLENUM	"	•						
	JANITORIAL OFFICE AREA	"	•						* SEE PLANS FOR EXTENT OF PARGING
	PRIMARY PULL CHAMBER	"	•						
	LOADING DOCK VEST.	"	•						
	ELEVATOR PITS	"	•						
	WOMEN'S TOILET	"	•						
	VEST (WOMEN'S TOILET)	"	•						
	MEN'S TOILET	"	•						
	VEST (MEN'S TOILET)	"	•						
	AIR LOCK	"	•						
	CLOSETS	"	•						
	UNASSIGNED SPACE #2	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR CLOSET	"	•						
	TELEPHONE CLOSETS NW. & SE.	"	•						
	A.C. FAN ROOM	"	•						
	DUCT TRANSFER SPACE	"	•						
	STAIR #3	1st FLOOR CONCOURSE LEVEL							
	CELLAR STAIR #3	1st TO 6th CONCOURSE LEVEL							*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	ELECTRIC CLOSET 'C'	1st TO 6th CONCOURSE LEVEL							
	STEAM SHAFT	"	•						
	SERVICE ROOM	"	•						
	ELEVATOR LOBBIES	"	•						* SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
	LOBBY	"	•						* SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
	TELEPHONE CLOSET 'S'	1st TO 6th FLOORS							
	JANITORIAL & BUILDING STORAGE	2nd FLOOR 1st TO 6th FLOORS							*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	JANITOR'S CLOSET	"	•						
	STAIRS # 1-2-3	1st & 2nd FLOORS							
	STAIR VESTIBULES	"	•						
	CLOSET	2nd TO 6th FLOORS							
	CORRIDORS	2nd TO 6th FLOORS							
	BALCONY	2nd FL. ONLY							
	STORAGE - JAN. STORAGE - BUILDING STORAGE	2nd TO 6th FLOORS							
	SERVICE LOBBY	6th FL. ONLY							
	MEN'S TOILET AND WOMEN'S TOILETS	3rd TO 6th FLOORS							
	MAIL ROOM	6th FL. ONLY							
	MEN'S AND WOMEN'S LOCKER ROOMS	3rd TO 6th FLOORS							
	VESTIBULE 1, 2, 3, 4, 5 & 6	"	•						
	FIRST AID ROOM	"	•						

ZONE - SUB 7
ELEV. 242'-0" TO 6th FLOOR

KEY TO MATERIALS

- CONCRETE
- BRICK
- BRICK AND HOLLOW CINDER BLOCK
- BRICK AND SOLID CINDER BLOCK
- CINDER BLOCK
- SOLID CINDER BLOCK
- GLAZED FACE SOLID CONCRETE BLOCK
- LAMINATED GYPSUM PLANK PARTITION
- LAMINATED GYPSUM PLANK PARTITION WITH WALLBOARD (SEE SYMBOLS).
- 4" SCALE METAL STUD AND WALLBOARD PARTITION
- 6" SCALE METAL STUD PARTITION
- SPRAY-ON FIREPROOFING (M.F.)
- 6" SCALE METAL LATH AND FURRING
- 4" SCALE METAL LATH AND FURRING
- DOUBLE BLOCK PARTITION WITH INSULATION 9" CINDER BLOCK OUTER WALLS WITH 4" INSULATION BETWEEN

Note:

GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

SYMBOLS

- (P 1) PLUMBING STACK
- (L 1) LEADER
- (100) COLUMN NUMBER
- (A-1 / B 2) TOP LETTER DENOTES DOOR TYPE (SEE DOOR SCHEDULE) BOTTOM LEFT LETTER DENOTES BUCK TYPE (SEE BUCK DETAIL) BOTTOM RIGHT NUMBER DENOTES HARDWARE (SEE SPECIFICATIONS) WHERE BOTTOM LETTERS ARE 'X' THIS DENOTES SPECIAL HARDWARE AND OPENING SEE SPECIFICATIONS AND DETAILS.
- (A-1 / B 2) REINFORCED BUCK SYMBOL - DENOTES SPECIAL REINFORCING AT HEAD AND JAMBS
- (A / 100) DETAIL SYMBOL. TOP LETTER DENOTES DETAIL. BOTTOM NUMBER DENOTES DWG.
- (A / 100) SECTION CUT SYMBOL TOP LETTER DENOTES DETAIL BOTTOM NUMBER DENOTES DRAWING.
- PARTITION SYMBOL NUMBER IN TRIANGLE DENOTES LAYERS OF GYPSUM WALLBOARD. WHERE 1 LAYER IS CALLED FOR THAT LAYER SHALL BE ½" THICK, WHERE 2 LAYERS ARE CALLED FOR THOSE LAYERS SHALL BE ⅝" THICK. PARTITION SYMBOL DENOTES WATERPROOF GYPSUM WALLBOARD. A - WHERE 1 LAYER IS CALLED FOR, THAT LAYER IS ½" THICK WATERPROOF GYPSUM WALLBOARD B - WHERE 2 LAYERS ARE CALLED FOR, THE LAYER IMMEDIATE TO THE PARTITION IS ½" GYPSUM WALLBOARD. THE OUTER LAYER IS ¼" WATERPROOF GYPSUM WALLBOARD.
- DENOTES STARTING POINT OF THE CEILING
- DENOTES 'LOOSE LINTEL' OR 'HUNG LINTEL' SEE LINTEL SCHEDULES ON DWG. 16

CONTRACT 'BD' DP-1 ANK 8-1-66

"BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION."

NO.	DATE	BUL. NO.	BY
1	11-18-70	A-578	L.J.
2	6-1-70	A-565	L.J.
3	6-18-71	A-110	D.B.L.
4	6-18-71	A-118	D.T.
5	9-1-71	A-122	L.J.
6	9-1-71	A-122	L.J.
7	1-6-72	A-115	L.J.
8	11-6-72	A-106	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	5-18-70	A-78	A.M.
2	1-30-70	A-44	L.J.
3	1-30-70	A-45	L.J.
4	1-30-70	A-47	L.J.
5	5-25-69	A-38	L.R.
6	8-23-68	A-17	[illegible]
7	8-23-68	A-25	[illegible]
8	11-1-68	A-11	A.M.
9	6-18-68	A-9	D.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

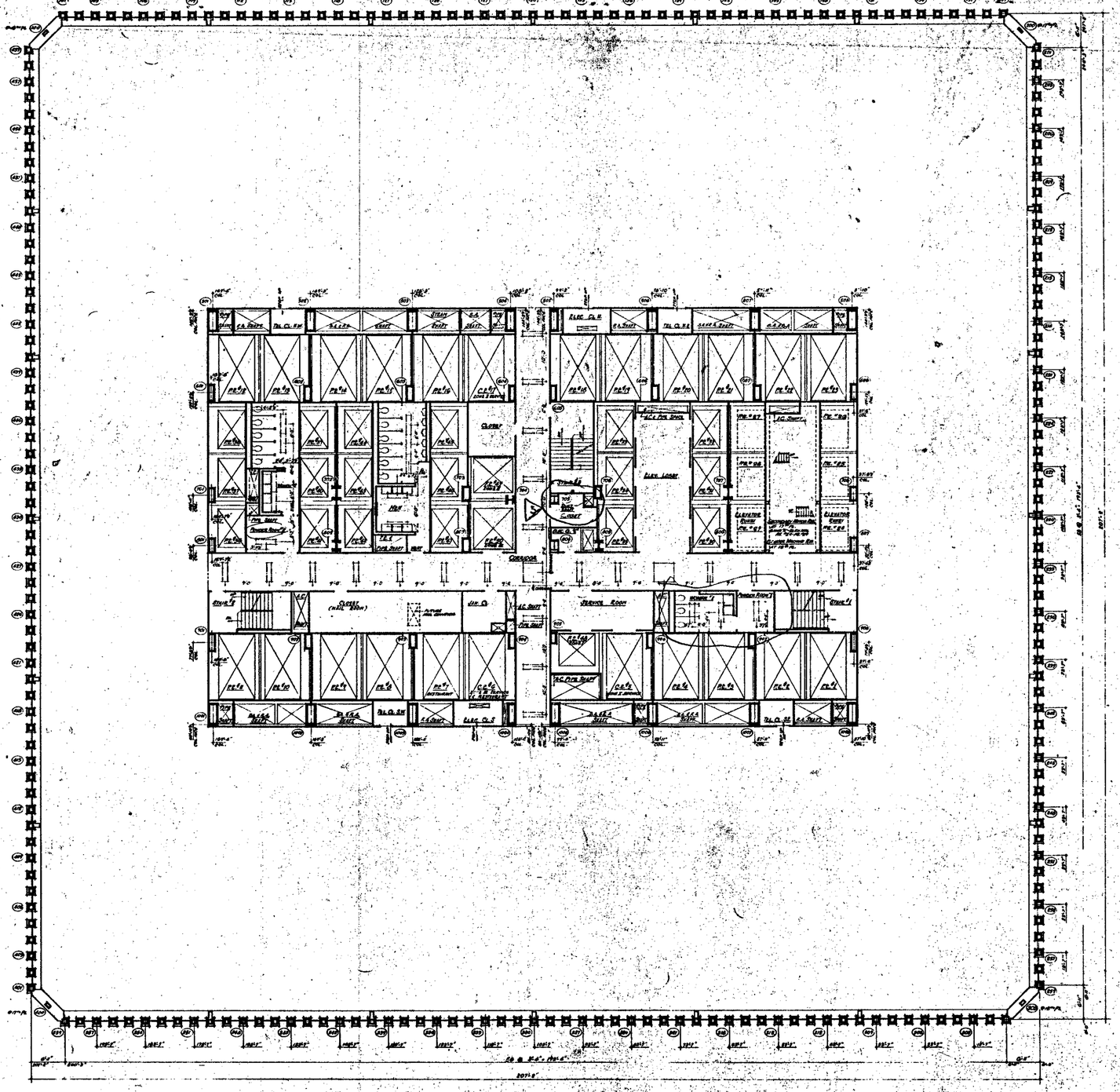
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE
ZONE - SUB 7

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-A-4	



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PARTITION SCHEDULES, DOOR SCHEDULES AND SYMBOLES OF DRAWINGS SEE DRAWING # A-0-1 TO A-0-4 & CORE DRAWING # A-A-41 AND A-A-42.
2. FOR COMPLETE SPECIFICATIONS AND NOTES IN CORE AREA SEE G.C. BOOK 1.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE CONTRACTS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A PRATT-DU TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND LAYOUT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE NOTED OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR, MACHINE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

QUESTIONS NOT DATED ARE IN THE PROCESS OF CORRECTION

CONTRACT NO. DRAWING date 4-9-68

NO.	DATE	DRAWING NO.	BY
3	6-8-71	A-105	DT
2	11-6-70	A-105	L-A
1	1-30-70	A-88	L-A
5	2-25-69	A-17	PWG
4	11-1-68	A-17	MAL

REVISIONS

REVISIONS

ARCHITECT

CHIEF PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

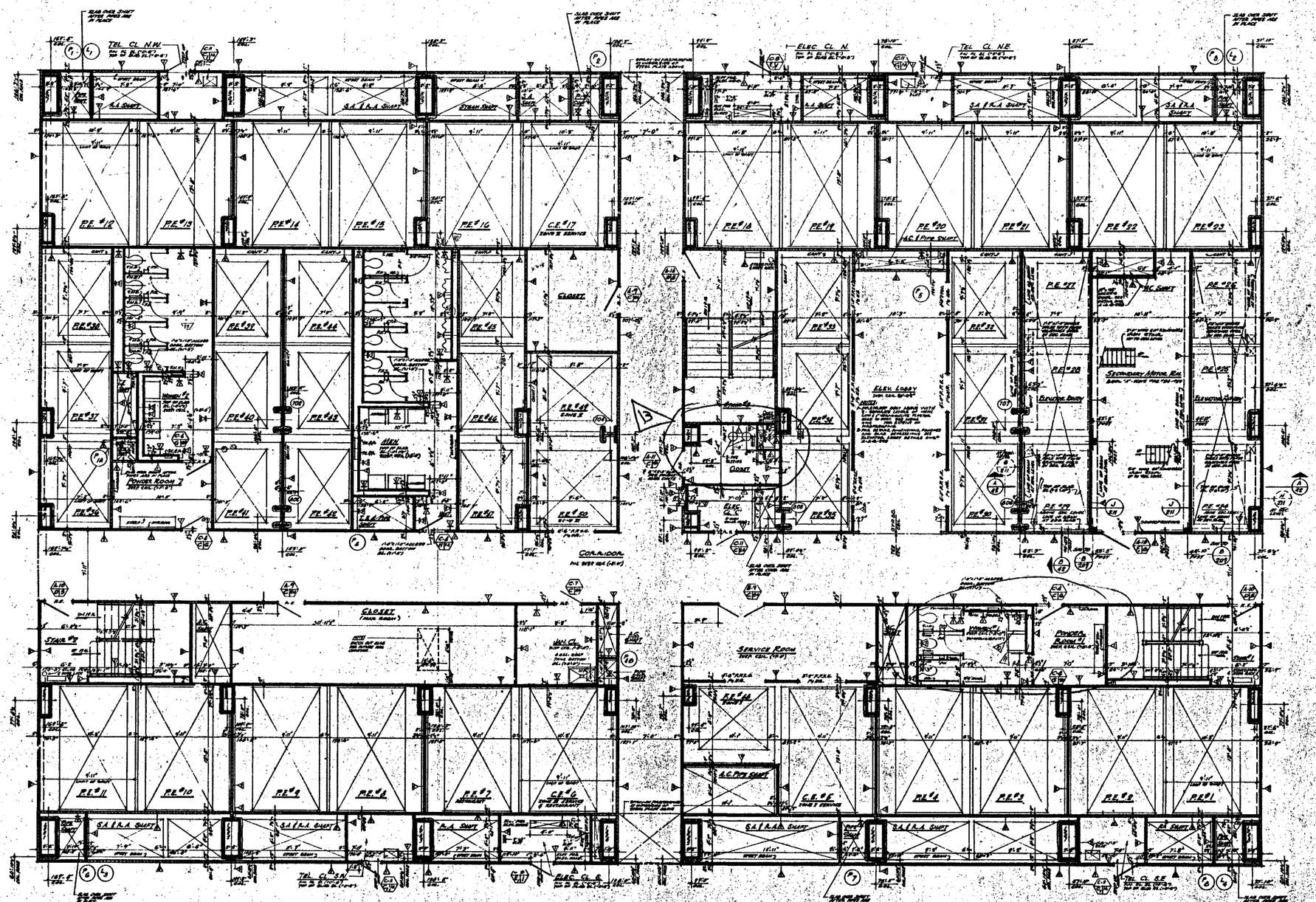
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

1/16"=1'-0" SCALE

17TH & 18TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	1-30-70
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-A-40		


NORTH
TEL. CL. N.W.
ELEC. CL. N.
TEL. CL. N.E.
P.E. #12
P.E. #13
P.E. #14
P.E. #15
P.E. #16
C.E. #17
P.E. #18
P.E. #19
P.E. #20
P.E. #21
P.E. #22
P.E. #23
P.E. #27
P.E. #28
P.E. #25
P.E. #26
P.E. #38
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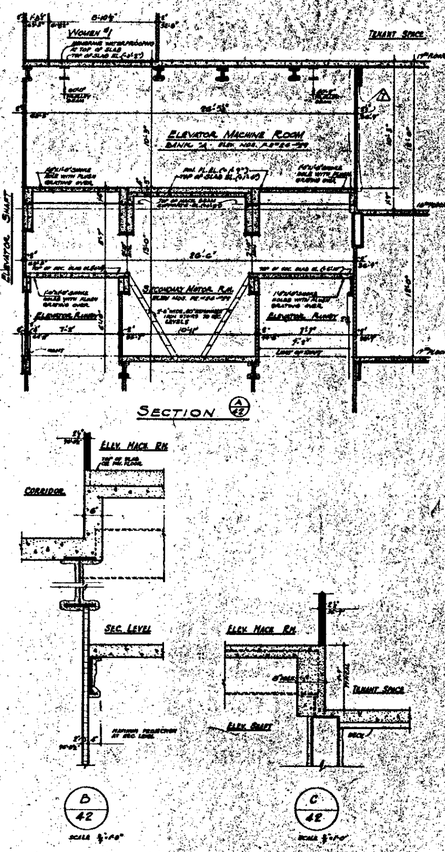
P.E. #65
P.E. #66
P.E. #67
P.E. #68
P.E. #69
P.E. #70
P.E. #71
P.E.

NORTH

Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS, WALL NUMBERING, DOOR NUMBERING AND SYMBOLS OF DRAWINGS, SEE DRAWING A-01-001 TO A-01-005.
2. FOR COMPLETE 'Y' RISER DIAGRAM, PLAN AND SECTIONS OF A, B, AND C ELEVATOR SHAFTS, SEE DRAWINGS A-42-201 TO A-42-205.
3. ALL DIMENSIONS SHOWN FROM CENTERLINES OF COLUMNS, WALLS AND SLABS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ARCHITECTS' ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-42-301 AND A-42-302.
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB AND A MINIMUM OF 6" BELOW THE FINISHED FLOOR. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL DRAWINGS FOR CONTRACT AMOUNT AND DRAWING NO. FOR LOCATION AND EXTENT OF TRENCH HEADER AND PREPARATION.
7. FINISH FLOOR ELEVATION (TOP OF SLAB) ELEVATIONS ARE GIVEN ONLY AT CHANGES OF LEVEL. ALL OTHER FLOOR ELEVATIONS ARE TO BE DETERMINED BY THE USE OF UNIFORM SLOPES AS SHOWN AND DIMENSIONS AS GIVEN ON ARCHITECTURAL FLOOR PLANS. SLOPE AND DIMENSION OF RAMP AND SLOPE OF SIDEWALK ADJACENT THERETO TO BE LAID OUT IN ACCORDANCE WITH THE CONDITIONS SHOWN ON TYPICAL DETAILS ON DRAWINGS A-42-210 AND A-42-211. SLOPE OF SIDEWALK ADJACENT TO CURB TO BE 1/4" PER FOOT. CLOSETS SHOWN RECESSED 8"0", BOTTOM ELEVATION OF ALL RECESS AND SLOPE OF FLOOR TO BE DETERMINED BY USE OF UNIFORM SLOPES AS SHOWN ON ARCHITECTURAL DRAWINGS.
8. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: [illegible]
9. CONCRETE FILL AT ELEVATOR SHAFTS TO BE SCREENED OVER TOP OF SHAFT WALLS AT BOTTOM ELEVATION (SEE SECTIONS, DRAWINGS A-42-201 TO A-42-205). SLOPE TO SHAFT TO BE MINIMUM 1/4" PER FOOT.
10. FOR HORIZONTAL DETAILS SEE TYPICAL DETAILS.
11. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-42-206 TO A-42-209.



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT BID DRAWING date 2-1-68

NO.	DATE	SUBJ.	NO.	BY
			1	2-20-70	A-47	LM
			2	8-13-69	A-81	TFA
			3	9-30-69	A-86	DM
			4	5-23-69	A-17	TFA/JC
			5	6-23-69	A-23	TFA/JC
			6	11-1-68	A-8	MM
1	6-6-69	A-184	02	7	5-1-68	A-10	DM
2	11-5-69	A-109	LM	8	4-29-68	A-5	MM
3	9-30-69	A-87	LM	9	4-22-68	A-4	DM
4	2-20-70	A-88	LM	10	1-18-68	A-1	MM

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

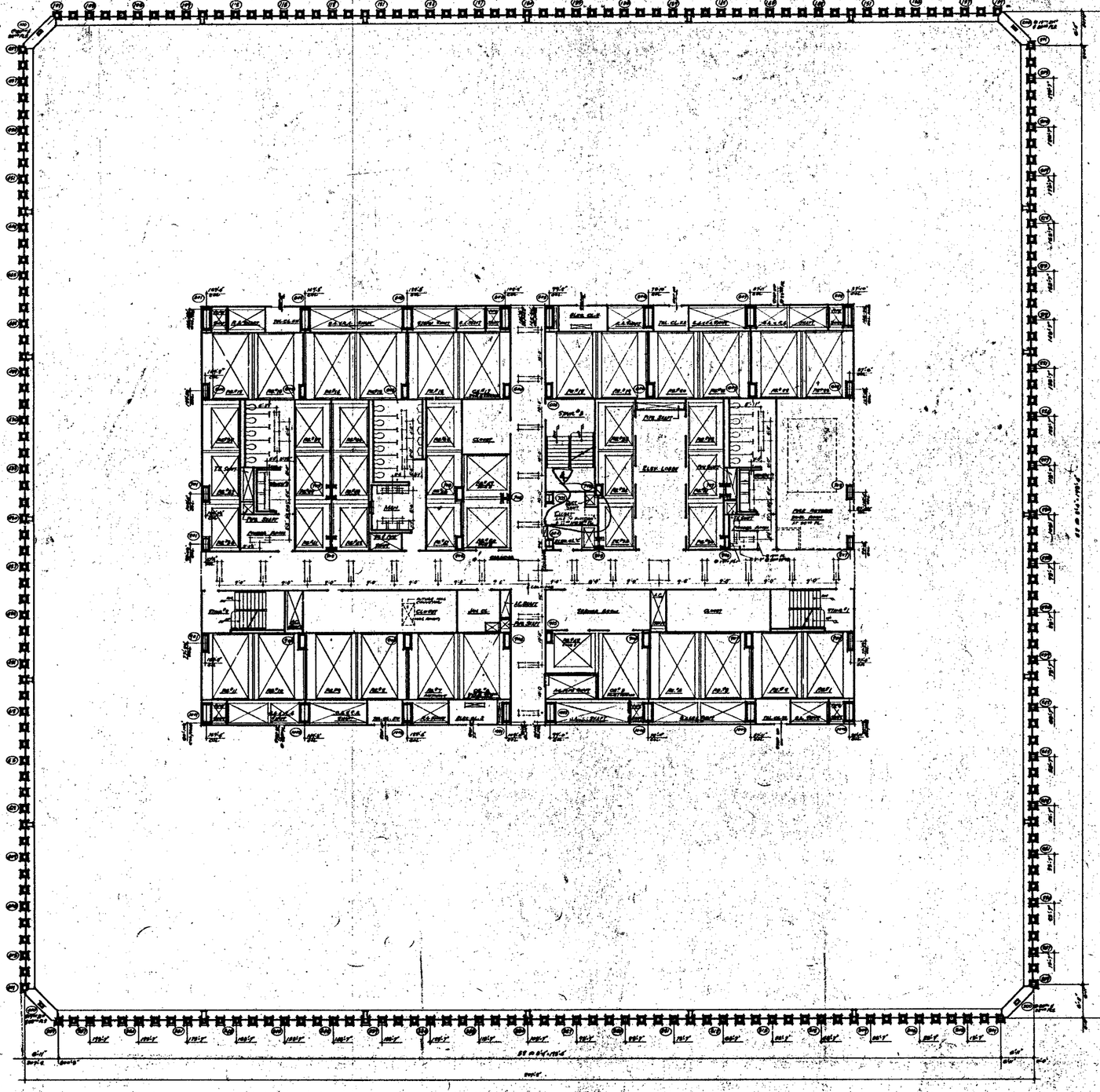
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 18TH FLOOR CORE PLAN

DRAWN | CHECKED
SCALE 1/16"=1'-0" | DATE 7-31-67
PROJECT | SHEET NO.
REGISTERED | A-A-42



NORTH

NOTES

1. ALL DIMENSIONS SHOWN ON DRAWINGS ARE TO FINISHED SURFACES UNLESS OTHERWISE NOTED.
2. ALL TRADES SERVICES TO BE PERFORMED IN ACCORDANCE WITH BLDG. CODE, A UNION OF N.Y. WITH A JURISDICTION OVER ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED BY BUILDING DEPARTMENT AND DEPT. OF PUBLIC WORKS, AND PREFABRICATED.
3. CEILINGS AND TOILET LIMITING AS SHOWN (SEE ALL OTHER LIMITING ARE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS)
4. WHERE UNLESS ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN AS NOTED.
5. WORK IN SUSPENDED CEILINGS AS CALLED FOR, SUCH AS IN CLOSETS, STAIR, PLENUM ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT FULL POTABLE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
6. POINT OF PUBLIC OVERLOAD CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN CONTRACT BID DRAWING date 5-1-68

1	6-18-70	A-104	D.T.
2	11-6-70	A-105	L.L.
3	1-20-70	A-119	L.L.
4	2-22-71	A-117	[illegible]

REVISIONS

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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ELECTRICAL ENGINEERS

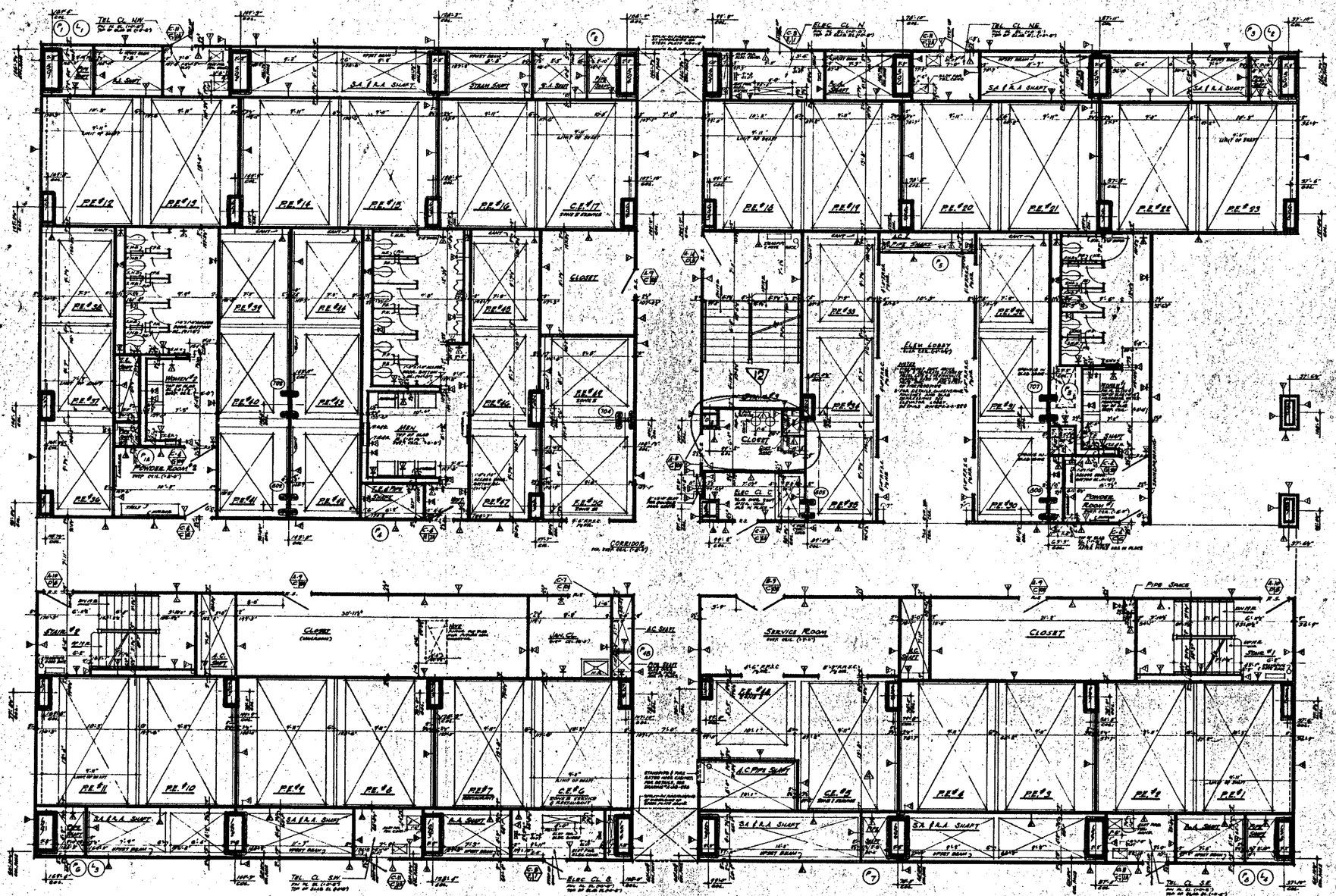
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

19TH TO 23RD FLOOR PLAN

SCALE 1/16" = 1'-0"

DATE 12-31-71

A-A-43



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-16.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING # A-A-43
3. ALL ELEVATIONS GIVEN THUS (101.0') ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG#AA-A-206 AND AA-A-208
6. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE SHOWN UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMB. SUB-STRUCTURE IN MEN AND WOMENS TOILETS AND TOILET ATTENDANTS TO EACH LAVATORY ACCORDING TO PUBLIC ACCOMMODATIONS LAWS TO BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS, DWG. AA-A-204.
9. WALLS OR CLOSURES DELIMITING AND CALLED FOR, SUCH AS IN CLOSETS, STAIR, MECHANICAL EQUIPMENT, ETC. ALL FINISHES AND DETAILING SHALL BE MAINTAINED AT SAME AS ADJACENT FINISH, TO FLOOR FOR, BUT NOT CEILING INSTALLATION AND CLEARANCE OF RAISED FLOOR.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (6" ACTUAL) DIMENSION IN FLANGE WIDTH AND SHALL BE MINIMUM 1½" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR LOCATION OF FIRE, ATOMIC, CLEANSING AND CHEMICAL PARTITION DETAILS SEE DRAWINGS AA-A-203 AND AA-A-210.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-7-68

			10	2-8-72	A-28	AM
			9	7-10-71	A-27	LJL
			8	1-20-71	A-26	LJL
			7	7-20-70	A-47	LJL
			6	8-28-69	A-21	A-1
			5	2-28-69	A-26	JLR
			4	2-13-69	A-17	[illegible]
			3	2-13-69	A-23	[illegible]
6-8-71	A-204	DT	2	5-1-68	A-10	DG
11-2-70	A-205	LJL	1	2-22-68	A-8	DG

REVISIONS

REVISIONS

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATION

TITLE: 19th FLOOR CORE PLAN

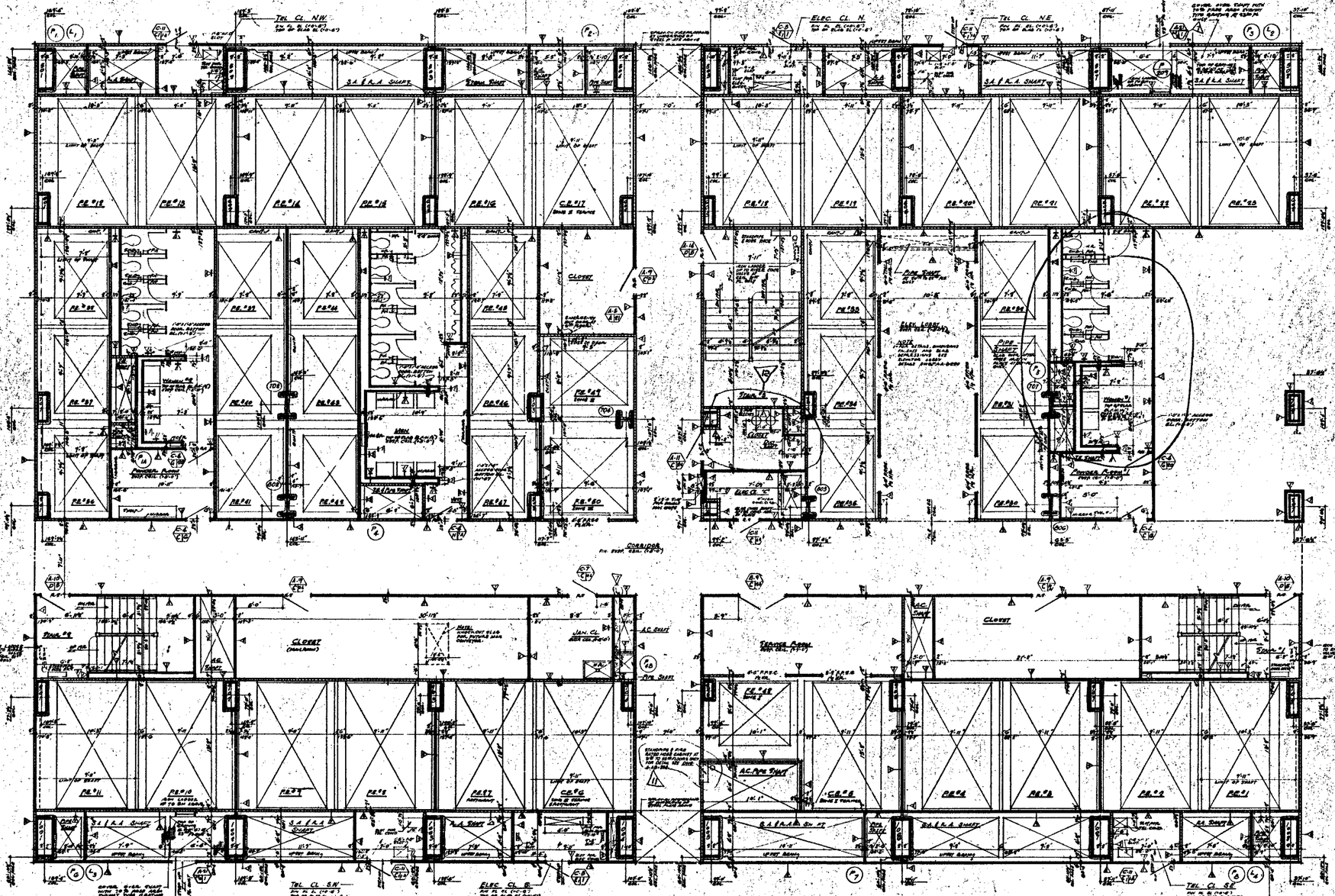
½"=1'-0"

DESIGN — CHECKED — DRAWN — DATE 7-26-67 — PROJECT NUMBER — SHEET NUMBER A-A-44

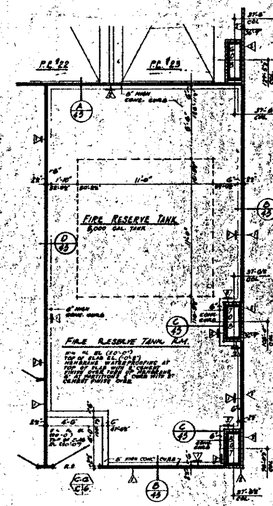
NORTH

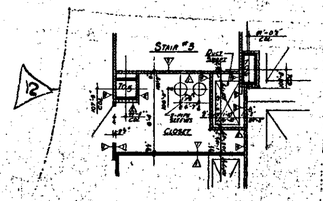
NOTES:

1. FOR GENERAL NOTES KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF CABINETS, SEE DRAWING A-A-1 TO A-A-4.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-10
3. ALL ELEVATIONS SHOWN THUS (104.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBMISSIBLE DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG #'s A-A-204 AND A-A-A-205.
6. ALL TRENCH HEADERS TO BE ENCROACHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STEEL-ON TYPE ENCROACHING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL SUBMITTALS AND CONTRACTORS SHOWING THE EXACT DEPTH AND LOCATION AND EXTENT OF TRENCH HEADER AND ENCROACHING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (104.0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. SOAP DISPENSER AT EACH LAVATORY. HEARING DOORS TO HOLD DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE DETAILS. SEE TYPICAL TOILET DETAILS DWG #'s A-A-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PERMIT FOR ACOUSTICAL CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANT'S ARE FABRICATED OF ALL GAGE PAINTSTONE STEEL 22" MINIMUM (7" RISE) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FIRE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-204 THRU A-A-206.

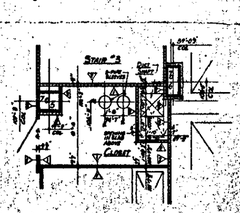


PART PLAN AT 20TH FL.

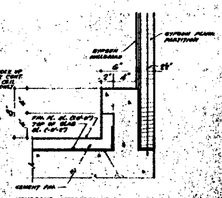




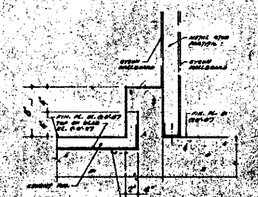
PART PLAN AT 23RD FLOOR



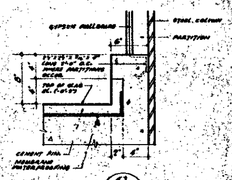
PART PLAN AT 22ND FLOOR



A/45



B/45



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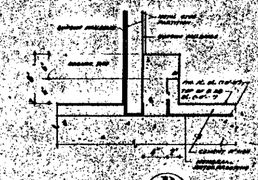


D/45

SCALE 1/4"=1'-0"

EXISTING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO	DRAWING	Date	
	1	1-14-71	A-108
	2	1-20-70	A-81
	3	1-20-70	A-88
	4	1-20-70	A-87
	5	3-13-70	A-81
	6	5-29-69	A-26
	7	2-25-69	A-17
	8	12-20-68	A-23
6-68-71	9	1-14-69	A-10
6-1-71	10	5-20-68	A-5

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

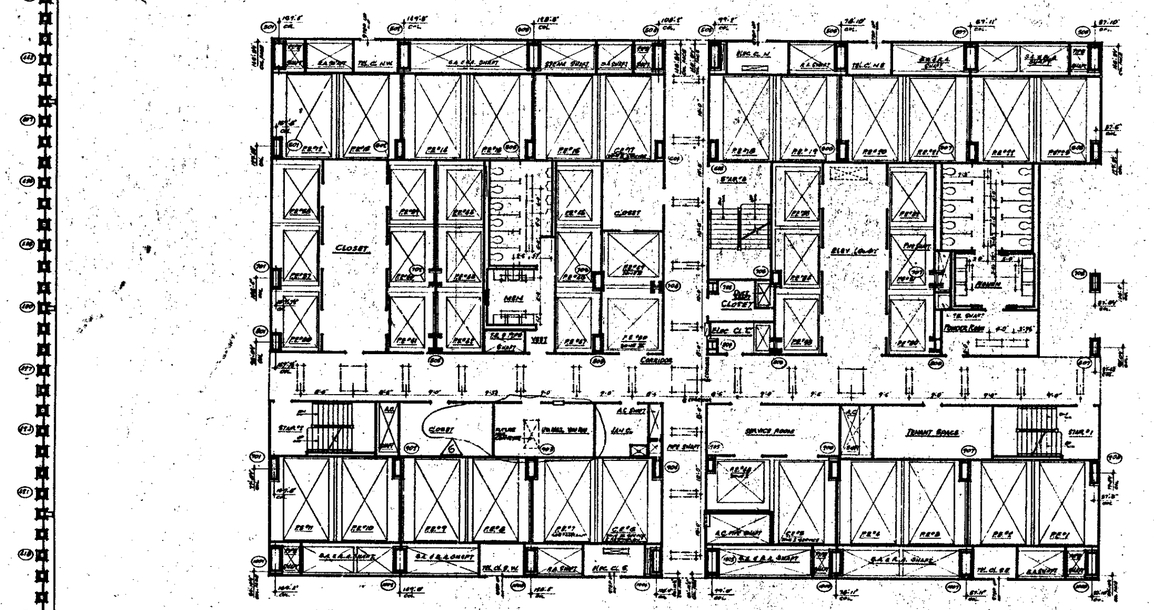
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — SOILS INVESTIGATIONS, PAVING, UTILITIES, FOUNDATIONS

THE PORT OF NEW YORK AUTHORITY

TITLE: 20TH TO 23RD FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"	DATE	2-24-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-45		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, ENTRY SCHEDULES, DOOR SCHEDULES AND SHADING OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6
2. FOR OFFSETS DIMENSIONS SHOWN IN ONE AREA SEE 1/8" SCALE ONLY DRAWINGS A-2.1-17
3. ALL ELEVATIONS SHOWN THUS (24'-0") ARE IN RELATION TO DATUM: ASPHALT
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE SUBSIDIARY DRAWINGS
5. ALL TRENCH HEADERS TO BE FASTENED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (24'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE AIR DIFFUSION CEILINGS ARE CALLED FOR, SUCH TO BE CLOSELY TOOL JOINTED ETC., BOTTOM ELEVATION OF ALL PANELS AND SUSPENSION SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR PROPER AIR FLOW INSTALLATION SHALL BE CLEAR ABOVE OF ALL HORIZONTAL BEAMS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. 65 DIVISION Bldg. 4 & 5

NO.	DATE	DESCRIPTION	BY
1	6-16-71	A-1170	DBL
2	8-16-71	A-1165	D.P.
3	2-2-72	A-1198	L.J.
4	2-8-72	A-1197	L.J.
5	2-28-72	A-1199	L.J.
6	3-22-72	A-1217	PASS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

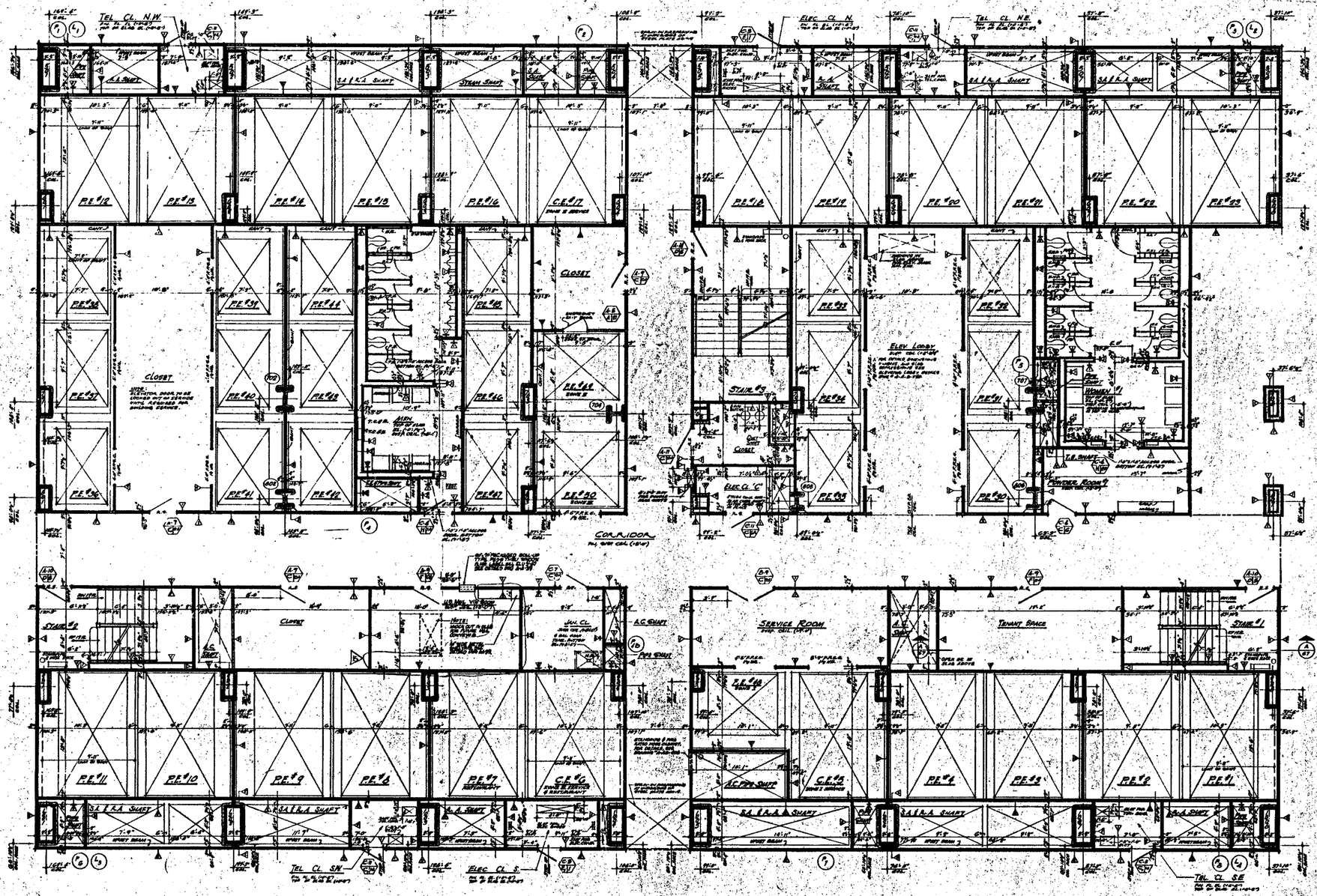
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

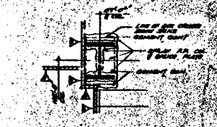
TITLE: 24TH FLOOR PLAN

1/8" = 1'-0"

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT ENGINEER		DATE	
APPROVED		DATE	

A-A-46





COLUMN DETAILS

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND ASSEMBLIES OF DRAWINGS SEE DRAWINGS # A-0.1 TO A-1.6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A.1-A6
3. ALL ELEVATIONS GIVEN, THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A.A.2-206 AND A.A.2-602
6. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SAND-IN TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS ARCHIVE SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PARAPHERNIA.
7. FINISH FLOOR ELEVATION # TOP OF SLAB, ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE LOCK DISPOSERS IN MEN AND WOMEN'S TOILETS AND DISPENSERS AT EACH JANITORS ACCESS DOORS TO BE INSTALLED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS DRAWING # A-AB-606.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, BOTH AT P. CONCRETE STRUCTURES ETC. SURFACES OF SLABS AND SOFFITS SHALL BE PAINTED AT FIRST FINISHED FLOOR, TO REMOVE FOR FUTURE CEILING INSTALLATION AND CLEANING OF SLAB ABOVE.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - - - -
11. CANTS ARE PROVIDED ON ALL BEAM PERIMETERS OVER 12" NOMINAL (ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SMALL BE MINIMUM 3/4" FROM ALL HORIZONTAL SURFACES. SEE TYPICAL DETAILS.
12. FOR FIRE PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB 606 THRU A-AB-616.

BULLETINS NOT DATED ARE OF THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 2-2-66
		A-0.1
		A-0.2
		A-0.3
		A-0.4
		A-0.5
		A-0.6
11-12-74	A-315	A-1.1
8-15-73	A-110	A-1.2
2-26-71	A-106	A-1.3
8-17-70	A-103	A-1.4
11-6-70	A-102	A-1.5

REVISIONS			REVISIONS		
NO.	DATE	DESCR. NO. BY	NO.	DATE	DESCR. NO. BY
1	11-6-70	A-69	L.L.		
2	1-20-71	A-81	L.L.		
3	1-20-71	A-88	L.L.		
4	1-20-71	A-87	E.C.		
5	5-19-71	A-91	A.T.K.		
6	9-23-71	A-96	R.L.		
7	5-22-72	A-17	[illegible]		
8	5-22-72	A-23	[illegible]		
9	11-1-73	A-11	M.M.		
10	5-1-74	A-10	D.G.		

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
ARTHUR G. ROTH, ARCHITECT

JAROS, BAUM & BOLLES
HESSEL GOLDMAN, ENGINEER

JOSEPH R. LORING & ASSOCIATES
LIGHTING CONSULTANTS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

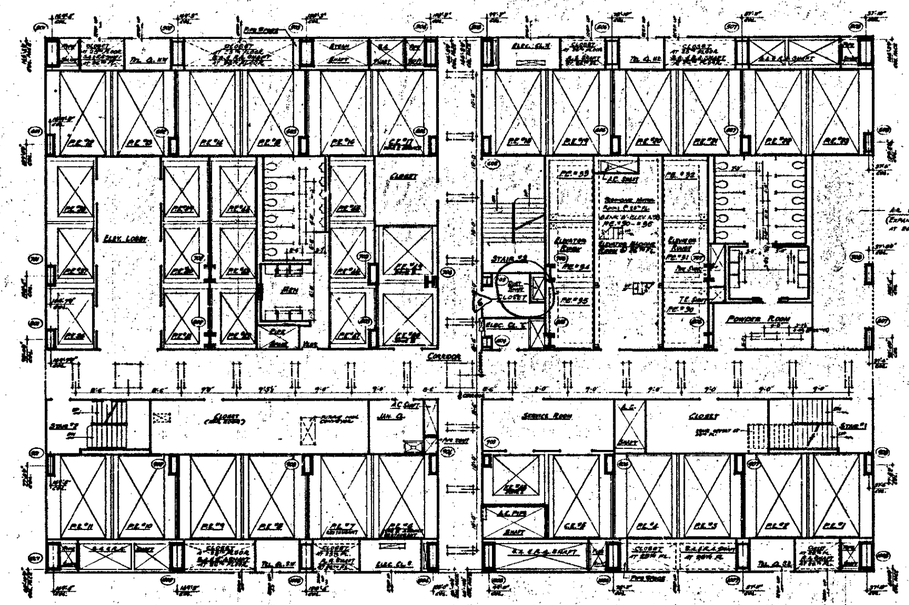
TITLE: 24th Floor Col. PLAN

SCALE: 1/8" = 1'-0"

DATE: [illegible]

PROJECT NO.: [illegible]

DRAWING NO.: A.A. 47



North

NOTES

1 – FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULES OF DRAWINGS SEE DRAWING A-0-1 TO A-0-4

2 – FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-0-95 & A-0-96

3 – ALL ELEVATIONS GIVEN THUS (+1'-0"-0") ARE IN RELATION TO FINISH FLOOR

4 – FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

5 – ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING

6 – CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS

7 – FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (29'-0") UNLESS OTHERWISE SHOWN OR NOTED

8 – WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, TOILETS ETC. BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-6" TO ALLOW FOR PIPING COILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

9 – EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———.———

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 8-2-68

NO.	DATE	DWG. NO.	BY
1	6-18-71	A-18A	D-S
2	11-8-70	A-10B	L.A.
3	1-30-70	A-8B	L.A.
4	2-20-69	A-17	HMM
5	2-12-69	A-5	D-S
6	2-18-68		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

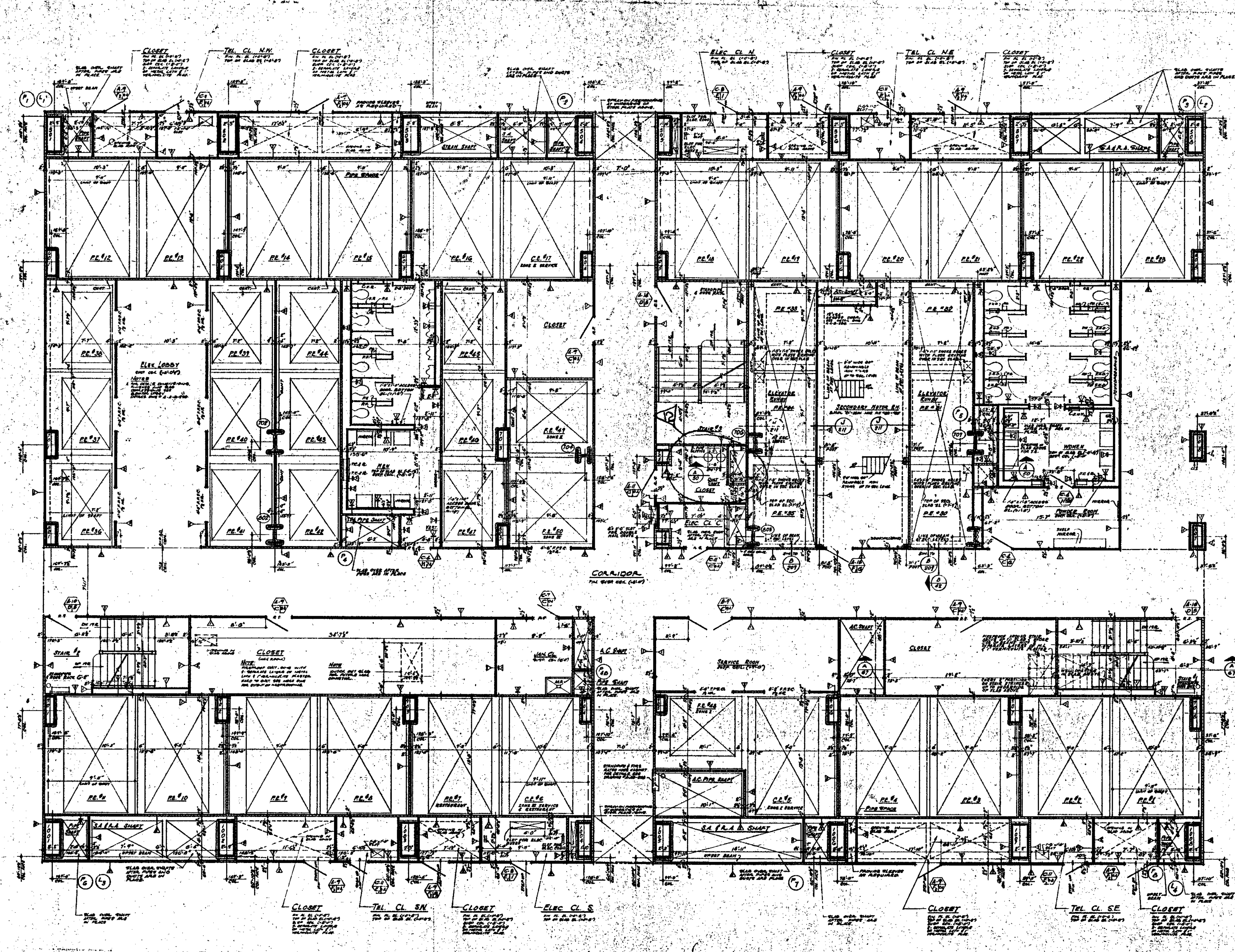
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 25TH & 26TH FLOOR PLAN

1/8" = 1'-0"

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-48		



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-86
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-AB-204 AND A-AB-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS ONE DISPENSOR AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS, DWG. # A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS:
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3½" NOMINAL (3" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-208 THRU A-AB-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 2-9-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				△	1-30-70	A-81	L.J.
				△	1-30-70	A-88	L.J.
				△	1-30-70	A-47	E.C.
				△	5-28-69	A-23	D.L.
				△	5-28-69	A-81	P.T.H.
				△	5-28-69	A-26	D.L.
				△	5-21-69	A-17	[illegible]
				△	8-1-69	A-10	D.G.
△	6-18-71	A-164	D.T.	△	6-28-68	A-3	D.G.
△	11-8-70	A-105	L.J.	△	8-13-68		J.V.L.

REVISIONS — REVISIONS

APPROVED:
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4" = 1'-0" scale (feet)

TITLE: 25TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-9-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-49		

FINISH SCHEDULE

ZONE	SPACE *	FLOOR	FLOOR FINISH: DUSTPROOF CONCRETE	VINYL ASBESTOS	MARBLE	CERAMIC TILE	TERRAZZO	CARPETING	BASE: CEMENT	RESILIENT	TERRAZZO	WOOD	MARBLE	PAINTED	NONE	CERAMIC TILE	WALLS MATERIAL: MASONRY	FACE BRICK	GLAZED FACE BLOCK	CERAMIC TILE	GYPSUM PLANK	GYPSUM WALLBOARD	KEENE CEM. PLAS.	MARBLE	WOOD	PLASTER	METAL STUD	WALLS FINISH: PAINTED	VINYL COVERING	UNFINISHED	SPRAY GLAZED COATING	CEMENT PARGING	CEILING MATERIAL: ACOUSTIC TILE	METAL PAN	PLASTER	CONCRETE	STEEL DECK	SPRAY-ON F.P.	LUMINOUS CEIL.	CEILING FINISH: PAINTED	UNFINISHED	REMARKS
ZONE I (7TH TO 40TH FLOORS)	STAIRS # 1-2-3 *	7TH TO 40TH FLS.	●							●											●	●					●	●							●				●		*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	STAIR VESTIBULES *	7TH FL.	●							●											●	●						●							●				●		*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	ELECTRIC CLOSET 'C'	7TH TO 40TH FLS.	●													●						●	●					●			●						●		●			●	
	CLOSETS	"	●													●						●	●					●			●						●		●			●	
	ELECTRIC SUB-STATIONS	7TH FL.	●													●						●	●						●							●		●			●	
	RETURN AIR PLENUMS	7TH FL.	●						●												●	●								●						●		●			●	
	CORRIDOR	9TH TO 40TH FLS.		●						●											●	●					●	●				●									
	SERVICE ROOM	"		●						●											●	●					●	●				●									
	CLOSET (MAIL ROOM)	"	●													●						●	●					●			●						●		●			●	
	US MAIL 'VIN' ROOM	6TH, 21ST, 31ST & 39TH FLS.	●													●						●	●					●	●				●									
	ELECTRIC CLOSET 'N'	9TH TO 40TH FLS.	●													●						●	●								●						●		●			●	
	ELECTRIC CLOSET 'S'	"	●													●						●	●								●						●		●			●	
	TELEPHONE CLOSETS	"	●													●						●	●					●			●						●		●			●	
	JANITOR'S CLOSET	"	●													●						●	●					●				●										
	WOMEN'S TOILETS	"				●											●				●	●	●					●								●								
	POWDER ROOMS	"		●						●											●	●					●	●				●									
	MEN'S TOILET	"				●											●				●	●	●					●								●								
	VESTIBULE (MEN'S TOILET)	"				●											●				●	●	●					●								●								
	SECONDARY MOTOR ROOMS	17TH, 25TH, 33RD FLS.	●													●						●	●					●	●							●		●		●		
	ELEVATOR MACHINE ROOMS	15TH, 26TH, 34TH FLS.	●													●						●	●					●	●							●		●		●		
	AIR CONDITIONING ROOM (EXPANSION TANK ROOM)	26TH FL.	●						●												●	●					●	●							●		●		●		
	FIRE RESERVE TANK ROOM	20TH FL.	●						●												●	●					●	●							●		●		●		
	MECHANICAL EQUIPMENT ROOMS	7TH & 8TH FLS.	●						●												●	●					●	●							●		●			●	
	TENANT SPACE *	9TH TO 40TH FLS.																																									* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE, DETAILS AND FINISHES
	LOCAL ELEVATOR LOBBIES *	"																																									* SEE LOCAL ELEVATOR LOBBY DRAWINGS FOR DETAILS AND FINISHES
	M.E.R. TOILET	7TH FLOOR				●											●						●	●					●				●						●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEIL.
	TOOL STORAGE	7TH FLOOR	●													●						●	●					●	●							●		●			●	
	M.E.R. TOILET	41ST FLOOR				●											●						●	●					●				●						●		●		●			* SEE PLANS FOR SUSPENDED GYPSUN BOARD CEIL.
ZONE II (41ST TO 74TH FLOORS)	STAIRS # 1-2-3 *	41ST TO 74TH FLS.	●							●											●	●					●	●							●		●		●			*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	STAIR VESTIBULES *	41ST & 44TH FLS.	●							●											●	●						●							●				●		*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	ELECTRIC CLOSET 'C'	41ST TO 74TH FLS.	●													●						●	●					●			●						●		●			●	
	CLOSETS	43RD TO 74TH FLS.	●							●											●	●					●			●						●		●			●	
	ELECTRIC SUB-STATION	41ST FL.	●													●						●	●					●	●							●		●			●	
	RETURN AIR PLENUMS	"	●						●												●	●								●						●		●			●	
	CORRIDOR	43RD & 45TH TO 74TH		●						●											●	●					●	●				●									
	SERVICE ROOM	41ST TO 74TH FLS.		●						●											●	●					●	●				●									* AT 43RD TO 72ND FLOORS ONLY ** SEE PLANS FOR SUSPENDED CEILINGS
	CLOSET (MAIL ROOM)	"	●							●											●	●					●	●				●									
	VESTIBULE (MEN'S TOILET #2)	56TH TO 60TH FLS.		●						●											●	●					●	●				●									
	ELECTRIC CLOSET 'N'	41ST TO 74TH FLS.	●													●						●	●					●			●						●		●			●	
	ELECTRIC CLOSET 'S'	"	●													●						●	●					●			●						●		●			●	
	TELEPHONE CLOSETS	"	●													●						●	●					●			●						●		●			●	
	JANITOR'S CLOSET	"	●													●						●	●					●				●										
	WOMEN'S TOILETS	"				●											●				●	●	●					●								●								
	POWDER ROOMS	"		●						●											●	●					●	●				●									
	MEN'S TOILETS	"				●											●				●	●	●					●								●								
	VESTIBULES (MEN'S TOILET)	"				●											●				●	●	●					●								●								
	SECONDARY MOTOR ROOMS	41ST, 55TH, 66TH & 68TH FLS.	●													●						●	●					●	●							●		●		●		
	ELEVATOR MACHINE ROOMS	42ND, 50TH, 63RD & 64TH FLS. 48TH FL.	●													●						●	●					●	●							●		●		●		
	MECHANICAL EQUIPMENT ROOMS	41ST & 42ND FLS.	●						●												●	●					●	●							●		●		●		
	MOTOR GENERATOR ROOMS	41ST FL.	●													●						●	●						●							●		●		●		
	STAIR PASSAGES *	47TH FL.	●							●											●	●					●	●							●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	ELEVATOR PITS	42ND & 48TH FLS.	●													●						●	●								●						●		●		●		
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	43RD, 45TH & 60TH FLS.	●						●												●	●					●	●							●		●		●		
	MAIN CORRIDOR (SKYLOBBY) *	44TH FL.																																									* SEE SKY LOBBY DWGS FOR DETAILS & FINISHES
	TENANT SPACE *	43RD TO 74TH FLS.																																									* SEE TENANT ARCHITECTS DWGS FOR SUB-DIVISION OF SPACES, DETAILS AND FINISHES
	TRANSFER LOBBY *	44TH FL.																																									SEE SKY LOBBY DWGS FOR DETAILS & FINISHES
	SHUTTLE SECONDARY LEVELS	46TH FL.	●													●						●	●					●	●							●		●		●		
	SHUTTLE SECONDARY MOTOR RM. VEST.'S	46TH FL.	●													●						●	●					●	●							●		●		●		
	SHUTTLE ELEV. MACHINE ROOMS	47TH FL.	●													●						●	●					●	●							●		●		●		
	DUCT SPACES	48TH FL.	●													●						●	●					●			●						●		●			●	
	CROSS CORRIDOR *	44TH FL.																																									* SEE SKYLOBBY DWGS FOR DETAILS & FINISHES
	LOCAL ELEVATOR LOBBIES *	44TH FL.																																									* SEE SKYLOBBY DWGS FOR DETAILS & FINISHES.
	A.C PLENUMS	48TH FL.	●													●						●	●					●	●							●		●		●		
	LOCAL ELEVATOR LOBBIES *	43RD & 45TH TO 73RD FLS.																																									* SEE LOCAL ELEVATOR LOBBY DRAWINGS FOR DETAILS AND FINISHES
	MEN & WOMEN'S TOILETS & LOCKER ROOMS	43RD FL.				●											●				●	●	●					●								●								
	ELEV. MOTOR GENERATOR & CONTROL ROOM	47TH FL. *																					●	●					●	●							●		●			●	* FLOOR GRATING SEE PLAN
	PUMP & H.X. ROOM	43RD FL.	●						●												●	●					●	●							●		●		●		
	US MAIL 'VIN' ROOM	58TH FL.	●													●						●	●					●	●				●						●		
ZONE III (75TH TO 110TH FLOORS)	STAIR PASSAGES *	76TH & 81ST FLS.	●							●											●	●					●	●							●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	ELECTRIC CLOSET 'C'	75TH TO 105TH FLS.	●													●						●	●					●			●						●		●			●	
	CLOSETS	77TH TO 108TH FLS.	●													●						●	●					●			●						●		●			●	
	ELECTRIC SUB-STATIONS	76TH & 108TH FLS.	●													●						●	●					●	●							●		●		●		
	RETURN AIR PLENUMS	75TH FL.	●						●												●	●								●						●		●			●	
	CORRIDOR	77TH & 79TH TO 105TH FLS.		●						●											●	●					●	●				●									
	SERVICE ROOM	77TH TO 105TH & 108TH FLS.		●						●											●	●					●	●				●									
	CLOSET (MAIL ROOM)	77TH TO 105TH FLS.	●													●						●	●					●			●						●		●			●	
	LOCAL ELEVATOR LOBBIES *	77TH, 79TH TO 105TH FLS.																																									* SEE LOCAL ELEVATOR LOBBY DRAWINGS FOR DETAILS AND FINISHES.
	ELECTRIC CLOSET 'N'	77TH TO 105TH FLS.	●													●						●	●					●			●						●		●			●	
	ELECTRIC CLOSET 'S'	"	●													●						●	●					●			●						●		●			●	
	TELEPHONE CLOSETS	"	●													●						●	●					●			●						●		●			●	
	JANITOR CLOSETS	"	●													●						●	●					●				●										
	WOMEN'S TOILETS	"				●											●				●	●	●					●								●								
	POWDER ROOMS	"		●						●											●	●					●	●				●									
	MEN'S TOILETS	"				●											●				●	●	●					●								●								
	VESTIBULE (MEN'S TOILET)	"				●											●				●	●	●					●								●								
	SECONDARY MOTOR ROOMS	75TH, 87TH, 94TH, 105TH & 108TH FLS.	●													●						●	●					●	●							●		●		●		
	ELEVATOR MACHINE ROOMS	76TH, 88TH, 95TH, 106TH & 109TH	●													●						●	●					●	●							●		●		●		
	MECHANICAL EQUIPMENT ROOMS	76TH, 78TH, 108TH & 109TH FLS.	●						●												●	●					●	●							●		●		●		
	MOTOR GENERATOR ROOMS	75TH & 76TH FLS.	●													●						●	●					●	●							●		●		●		
	ELEVATOR PITS	76TH & 77TH FLS.	●													●						●	●					●			●						●		●		●		
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	77TH & 98TH FLS.	●						●												●	●					●	●							●		●		●		
	MAIN CORRIDOR (SKYLOBBY) *	78TH FL.																																									* SEE LOBBY DRAWINGS FOR DETAILS AND FINISHES
	TENANT SPACE *,**	77TH TO 105TH FLS.																																									* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE DETAILS AND FINISHES ** FOR 106TH, 107TH & 110TH FLOOR FINISH SCHEDULE SEE INDIVIDUAL FLOOR PLANS.
	SHUTTLE SECONDARY LEVEL	80TH FL.	●													●						●	●					●	●							●		●		●		
	SHUTTLE SECONDARY MOTOR ROOM VEST'S	80TH FL.	●													●						●	●					●	●							●		●		●		
	SHUTTLE ELEV. MACHINE ROOMS	81ST FL.	●													●						●	●					●	●							●		●		●		
	MAIL ROOM	78TH FL.		●						●											●	●					●			●		●									
	A.C. PLENUMS	82ND FL.	●													●						●	●					●	●							●		●		●		
	RESTAURANT *	106TH & 107TH FLS.																																									* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE DETAILS AND FINISHES
	STAIRS #1,2,3 *	75TH TO 105TH FLS.	●							●											●	●					●	●							●		●		●			SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	CROSS CORRIDOR *	78TH FL.																																									* SEE SKYLOBBY DRAWINGS FOR DETAILS AND FINISHES
	LOCAL ELEVATOR LOBBIES *	78TH FL.																																									* SEE SKYLOBBY DRAWINGS FOR DETAILS AND FINISHES
	STAIRS #1 & 2 *	108TH TO 110TH FLS.	●							●											●	●					●	●							●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	DUCT SPACE	82ND FL.	●													●						●	●					●			●						●		●			●	
	M.E.R. TOILET	75TH FL.				●											●						●	●					●				●						●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
	UNASSIGNED SPACE	75TH FL.	●													●						●	●								●						●		●			●	
	STAIR VESTIBULE *	75TH, 76TH, 108TH & 109TH FLS.	●							●											●	●					●	●							●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
	US MAIL 'VIN' ROOM	86TH, 93RD, 100TH & 108TH FLS.	●													●						●	●					●	●				●									
	M.E.R. TOILET	108TH FL.				●											●						●	●					●				●						●		●		●			* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING

* FOR FINISH SCHEDULE AT 106TH, 107TH AND 110TH FLOORS. SEE INDIVIDUAL FLOOR PLANS.

GENERAL NOTES

1. ALL DIMENSIONS ON PLANS ARE TO ROUGH WALLS AND PARTITIONS.
2. FOR WINDOW HEIGHTS SEE ELEVATIONS AND DETAILS. WINDOW HEIGHTS ARE NOMINAL, FOR ACTUAL DIMENSIONS SEE WINDOW CONTRACTORS DETAILS AND ERECTION DRAWINGS.
3. ALL DOORS WITH CLOSERS (OTHER THAN SPRING HINGES) TO BE KEPT 6" MIN CLEAR OF ROUGH WALLS ON HINGED SIDE.
4. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
5. FOR PERIPHERY A.C. UNITS, PIPING, AIR CONDITIONING DUCT WORK, & EQUIPMENT AND FOR EXHAUST DUCTS ETC. SEE MECHANICAL DWGS.
6. FOR ALL PLUMBING PIPES, RISERS, DRAINAGE AND DETAILS ETC. SEE PLUMBING DRAWINGS.
7. FOR ALL ELECTRICAL WIRING, RISER DIAGRAMS, LIGHTING, CONVENIENCE OUTLETS AND DETAILS, ETC. SEE ELECTRICAL DRAWINGS.
8. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 8'-4" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. WHERE CINDER BLOCK FIREPROOFING IS CALLED FOR AROUND COLUMNS, CINDER BLOCK IS 3" SOLID BLOCK UNLESS OTHERWISE SHOWN OR NOTED.
11. ALL ELECTRIC CELLS (POWER AND TELEPHONE) THAT ARE EXPOSED OVER ELEVATOR MACHINE ROOMS, SHAFTS AND STAIRS ARE TO BE FIREPROOFED AT UNDERSIDE FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DWGS FOR LOCATION AND EXTENT OF ELECTRICAL CELLS AND FIREPROOFING.
12. WHEREVER TOP REGISTERS AND GRILLES ARE SHOWN ON H.V.A.C. DRAWINGS SUCH REGISTERS AND GRILLES SHALL BE MAINTAINED HARD TO FINISHED SUSPENDED CEILINGS UNLESS OTHERWISE SHOWN OR NOTED ON ARCHITECTURAL DRAWINGS.
13. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-212.
14. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

ABBREVIATIONS

BM.	BEAM	M.R.	MOP RECEPTOR
COND.	CONDUIT	MEMB.	MEMBRANE
CEIL.	CEILING	M.L.F.	METAL LATH AND FURRING
C.E.	COMBINATION ELEVATOR	M.L.	METAL LATH
CEM.	CEMENT	N.W.	NORTH WEST
CL.	CLOSET	N.E.	NORTH EAST
CONC.	CONCRETE	PL.	PLASTER
COL.	COLUMN	P.H.	PAPER HOLDER
DN.	DOWN	P.E.	PASSENGER ELEVATOR
DET.	DETAIL	R.S.	RESILIENT SADDLE
ELEC. CL.	ELECTRIC CLOSET	R.A.	RETURN AIR
ELEC.	ELECTRIC	RM.	ROOM
ELEV.	ELEVATOR	R.D.	ROOF DRAIN
EL.	ELEVATION	S.N.D	SANITARY NAPKIN DISPOSAL
FIN.	FINISH	S.N.V.	SANITARY NAPKIN VENDOR
FL.	FLOOR	S.A.	SUPPLY AIR
F.P.S.C.	FIREPROOF SELF CLOSING	S.W.	SOUTH WEST
F.T.	FACING TILE	S.E.	SOUTH EAST
F.E.	FREIGHT ELEVATOR	SUSP.	SUSPENDED
H.R.	HANDRAIL	ST. PIPE	STANDPIPE
HR.	HOUR	T.C. & R	TOWEL CABINET AND WASTE RECEPTOR
H.P. EL.	HIGH POINT ELEVATION	TEL. CL.	TELEPHONE CLOSET
JAN. CL.	JANITORS CLOSET	T.E.	TOILET EXHAUST
K.E.	KITCHEN EXHAUST	VEST.	VESTIBULE
L.P. EL.	LOW POINT ELEVATION	W.P.	WATERPROOFING

CONTRACT BID DRAWING date 2-7-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
					6-18-71	A-170	GBL		1-30-70	A-48	L.J.
					6-18-71	A-164	DT		1-30-70	A-40	L.J.
					6-18-71	A-180	DT		1-30-70	A-35	L.J.
					2-1-71	A-122	[illegible]		5-23-69	A-13	H.O.
									5-23-69	A-17	[illegible]
					11-6-70	A-102	L.J.		8-23-69	A-23	[illegible]
	1-8-75	A-410	L.J.		6-22-70	A-18	L.J.		11-1-68	A-11	M.M.
	1-22-74	A-368	L.J.		8-18-70	A-62	A.W.		6-28-68	A-6	D.G.
	1-20-72	A-224	L.C.		1-30-70	A-47	L.J.		4-29-68	A-2	D.G.
	1-20-72	A-222	L.C.		1-30-70	A-44	L.J.		5-18-68		J.V.L.

REVISIONS — REVISIONS — REVISIONS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE — ZONE I-II-III

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-5		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF LOUVERS, SEE DRAWING A-0.01 AND A-0.02.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING 4 A-2.42.
3. ALL DIMENSIONS GIVEN FROM FACE OF WALL OR PARTITION TO FINISH FACING.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS, SEE RESPECTIVE PLANNING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.03-2.05 & A-2.06-2.07.
6. ALL TOILET ROOMS TO BE FURNISHED AT OWNERS OF BLDG. FOR TO INSTALL OF 4'-0" WITH TOILET PARTITIONS, ACCESSORIES, MIRRORS, ETC. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPES AND ELECTRICAL, PLUMBING AND CONTRACTORS APPLICABLE SHOP DRAWINGS FOR LOCATION OF FIXTURES, ACCESSORIES AND CONTRACTORS PARTITIONS.
7. TYPICAL FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (SLAB) UNLESS OTHERWISE SHOWN OR NOTED.
8. PAPER TOWEL DISPENSERS IN MEN AND WOMEN'S TOILETS ARE RECESSED AT EACH LAVATORY. ACCESS DOORS TO WALL SPACE FOR TOWELS SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAILS SHOWN ON TYPICAL TOILET DETAILS, DWG. A-2.06-2.07.
9. WHERE ACOUSTICAL CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, ZONE MARKET ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS ———————
11. CANTO ARE MEASURED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (STRUCTURAL) DIMENSION IN ELEVATION, SLANTS AND SCALE, BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.B-2.06 THRU A-A.B-2.15.

NORTH

SECTION A/50

BULLETINS NOT DATED ARE IN THE PROCESS OF CIRCULATION

CONTRACT BID DRAWING dated 2-2-68

				A	1-30-70	A-A	L.L.
				A	1-30-70	A-B	L.L.
				A	1-30-70	A-C	L.L.
				A	5-13-69	A-D	A.T.H.
				A	5-23-69	A-E	D.L.
				A	5-23-69	A-F	Rosen
A	6-6-69	A-10.1	10-1	A	5-23-69	A-G	Rosen
A	9-1-69	A-10.2	11	A	11-1-68	A-H	A.L.H.
A	11-1-70	A-10	L.L.	A	8-1-68	A-10	D.L.
A	11-6-70	A-10.2	L.L.	A	2-15-68	2-1.1	

NO. DATE DWG. NO. BY — REVISIONS

NO. DATE DWG. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

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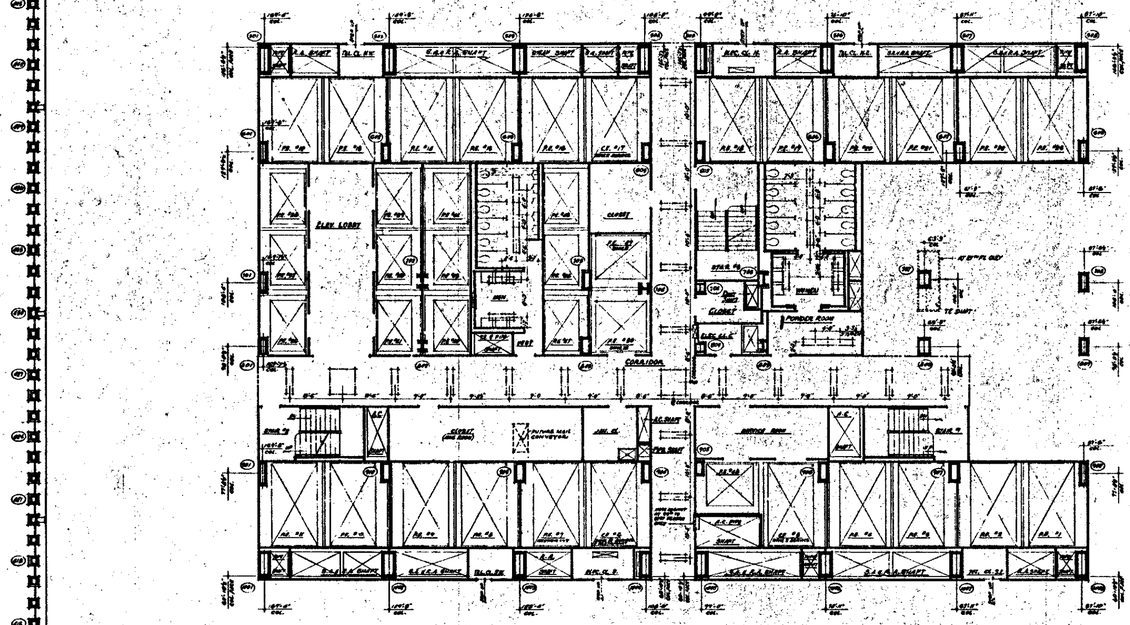
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"-1'0"

TITLE: 26TH FLOOR CORE PLAN

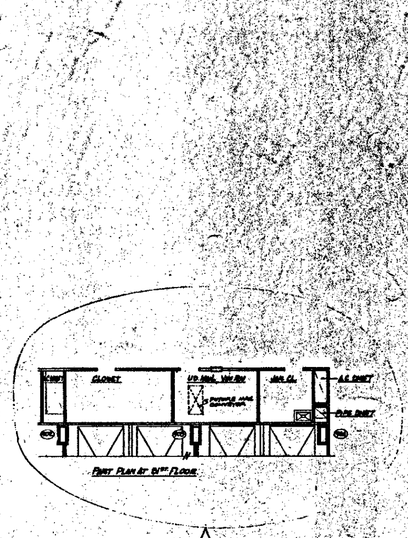
DESIGNED — DRAWN — CHECKED — SCALE 1/8"-1'0" — DATE 2-20-67 — PROJECT NUMBER — SHEET OF — DRAWING NUMBER A-A-50



NORTH

NOTES

1. FOR GENERAL NOTES, SEE 1ST INTERIOR SYMBOL, ABBREVIATIONS, DOOR SCHEDULE, DOOR DETAILS AND GENERAL NOTES, DRAWING # A-A1.10 TO A-A1.13.
2. FOR COMPLETE DIMENSIONS REFER TO CORE AREA: SEE A-A1.11 WORK CORE AREA DRAWING # A-A1.02.
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE AT CREATING IN FINISHED FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE REFERENCE DRAWINGS BELOW.
5. ALL TRENCH HEADERS TO BE PRESTRIPPED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A STRAIGHT TYPE PRESTRIPPING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATIONS AND LAYOUT OF TRENCH HEADER AND PRESTRIPPING.
6. CORRIDOR AND TOILET CEILINGS LAYOUTS AS SHOWN FOR ALL OTHER CEILINGS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE FIXED UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, VESTIBULES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE INSTALLATION AND CLEARANCE FULL HEIGHT CEILINGS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____



5

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Mod. 6-9-66

NO.	DATE	SUL. NO.	BY
6	6-15-71	A-130	GBL
5	6-15-71	A-126	DT
4	11-6-70	A-119	L.L.
3	1-26-70	A-88	L.L.
2	5-27-70	A-17	Amm.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
HAVENS, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE
27TH TO 31ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7 SHEET
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-51		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PAVING SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAINAGE SEE DRAWINGS A-A-0-1 TO A-A-0-8
2. FOR COMPLETE "B" SCALE PLANS, PLANS "SEE" DRAWING A-A-0-1
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO PAVING PLANS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT, SEE ADJACENT ENGINEER DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-A-0-204 (1-46-204)
6. ALL TRENCHES ASSUMED TO BE BACKFILLED AT UNDERSIDE OF SLAB.
7. FOR A WIDTH OF 6'-0" WITH A SHELF ON TWO SIDES FOR MECHANICAL ENGINEER'S AND CONTRACTOR'S USE. SEE DRAWING A-A-0-201 FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FILLED SLABS.
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
9. PAPER TOWEL DISPENSERS IN MEN AND WOMEN TOILET AND DISPENSER AT EACH LAVATORY. EXACT DISPENSER MODELS TO BE LOCATED IN ACCORDANCE WITH THE COVERING. SEE TYPICAL TOILET DETAILS, DRAWING A-A-0-216.
10. WALLS OR ENCLOSED COLUMNS ABUTTING FURRED AREAS SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRED AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO ALLOW FOR INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
12. CANTS ARE REQUIRED ON ALL SLAB PERIPHERIES OVER 25" MINIMUM (OPTIMUM) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
13. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-A-0-206 THRU A-A-0-211.

NORTH

PART PLAN AT 27TH FLOOR

PART PLAN AT 31ST FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	DATE	BUL. NO.	BY
			11-6-70	A-108	L.L.
			3-8-70	A-78	A.L.
			1-30-70	A-61	L.L.
			1-30-70	A-58	L.L.
			1-30-70	A-47	E.C.
			8-13-69	A-31	R.T.A.
			12-13-68	A-26	L.L.
A	11-15-68	A-345	11-14-68	A-17	L.L.
A	6-18-71	A-170	6-25-68	A-25	L.L.
A	6-8-71	A-166	2-6-68	A-10	D.B.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — EMERY ROTH, RICHARD ROTH, ARCHITECTS

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

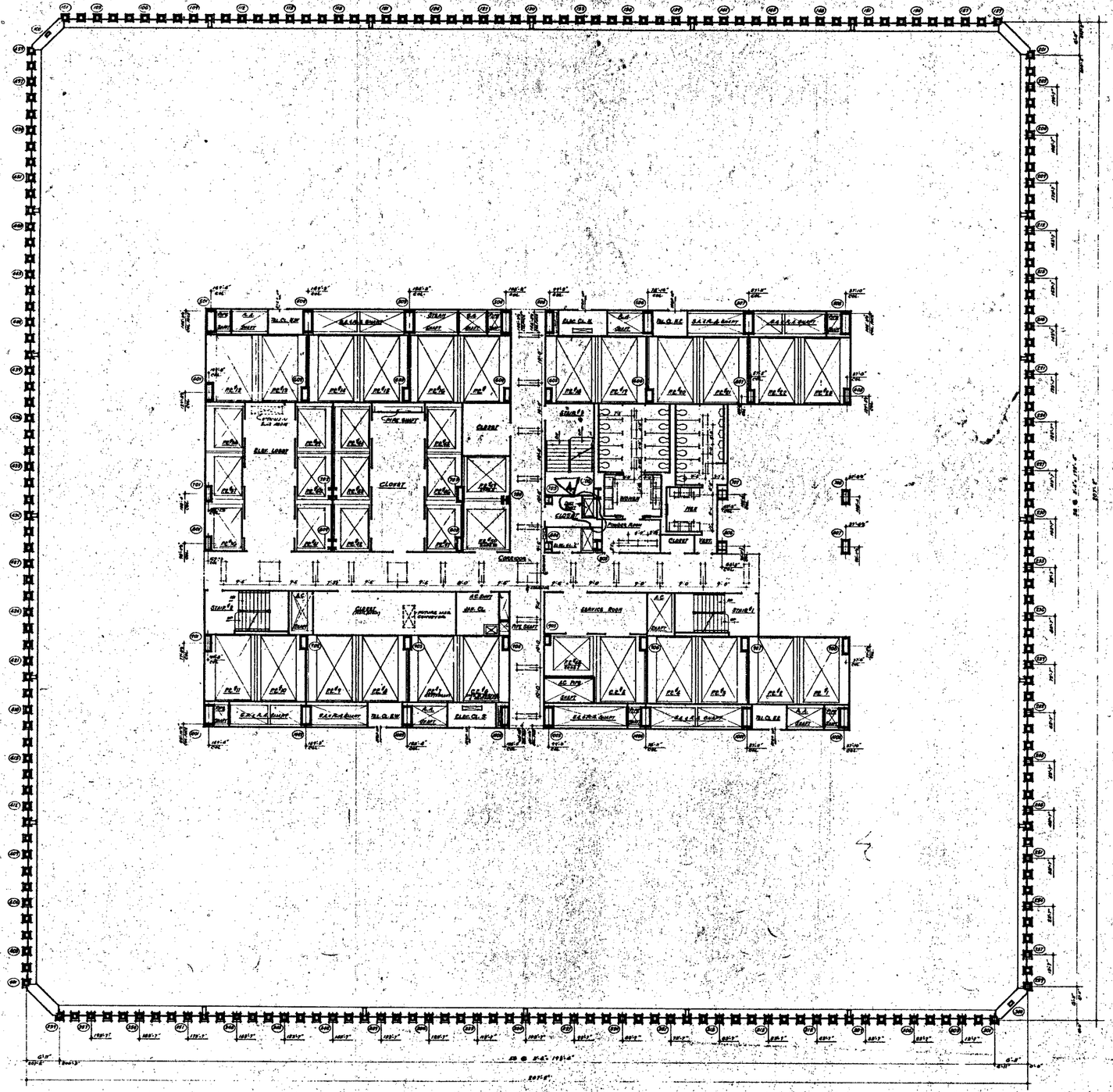
TITLE: 27TH TO 31ST FL. CORE PLAN

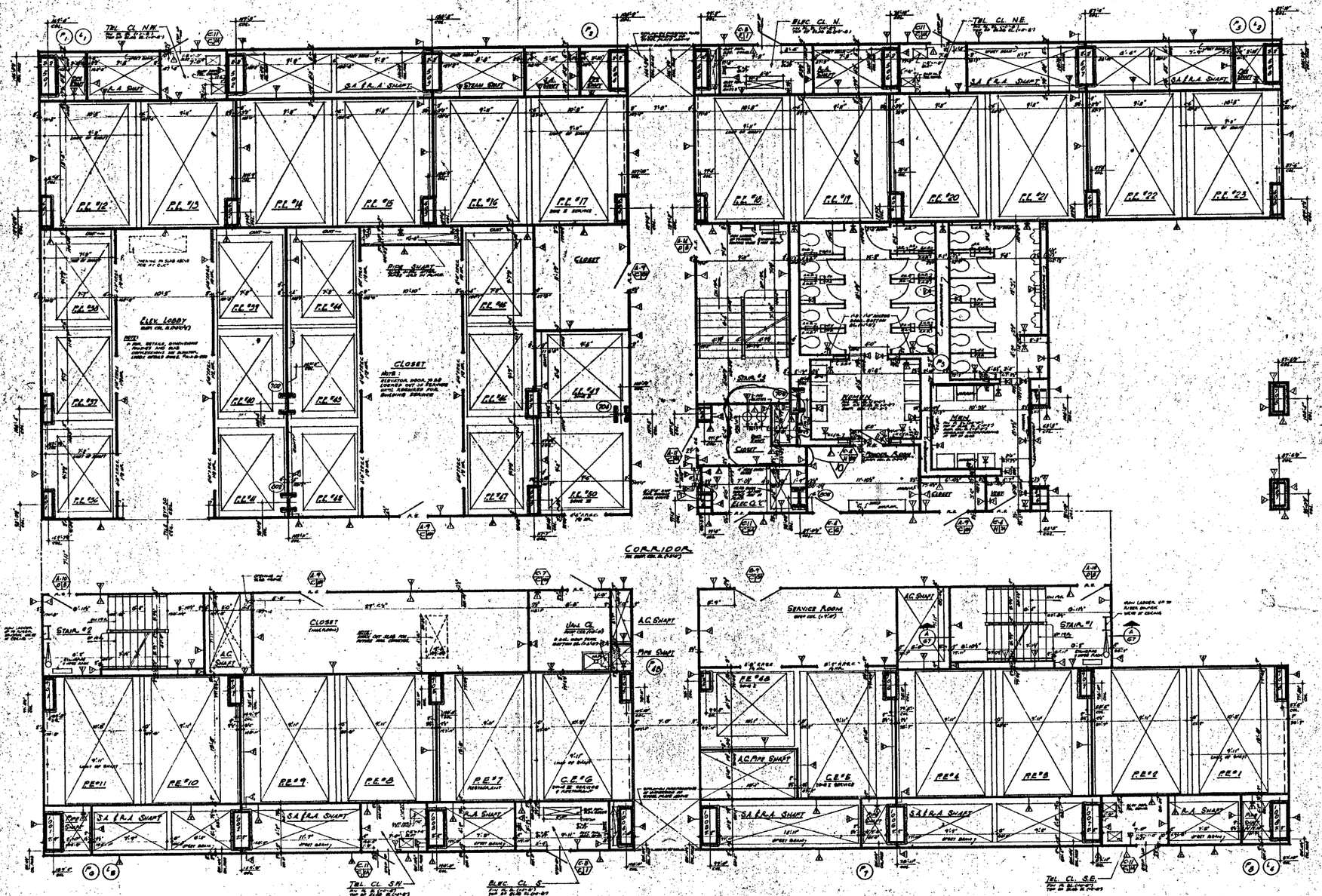
1/8" = 1'0"

DRAWN | CHECKED | DATE 4-7-67

SCALE | SHEET

DRAWING NO. A-A-52


CLOSET
ELEV. LOBBY
CORRIDOR
CLOSET
ELEV. MACH. EQUIPMENT
SERVICE ROOM
STAIR #1
STAIR #2
TEL. CLOSET
TEL. CL. E
TEL. CL. SW
TEL. CL. SE
AIR SHAFT
A.C. SHAFT
PIPE SHAFT
ELEVATOR SHAFT
STEAM & COND. SHAFT
ELEV. MACH. EQUIPMENT
ELEV. CL. E
ELEV. CL. W
ELEV. CL. SW
ELEV. CL. SE
ELEVATOR SHAFT
STEAM & COND. SHAFT
AC DUCT SHAFT
AC DUCT
AC DUCT SHAFT
AC DUCT
AC DUCT SHAFT
AC DUC



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-5
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING # A-A-52
3. ALL ELEVATIONS GIVEN (SUCH CLG.) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERSPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR, DETAILS SEE STAIR PLAN & SECTION # A-A-50 & 51
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS SHALL BE CONSTANT UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE GRAB BARS/RAILS IN MEN AND WOMEN'S TOILETS, ONE INSTALLED AT EACH LAVATORY ADJACENT DOORS TO EACH FIXTURE, MOUNTED AT HEIGHTS IN ACCORDANCE WITH THIS DRAWING AND TYPICAL TOILET DETAILS, DRAWING # A-A-54.
9. WHERE NO DIMENSIONS GIVEN, ARE CHECKED FOR SHOP DRAWINGS OF CABINETS, STONE PANELING ETC., BOTTOM ELEVATION OF ALL PANELING SHALL BE CONSTANT, TO BE 4'-0" ABOVE FINISHED FLOOR, TO ENCLOSE ALL PIPING, CONDUIT INSTALLATION AND CLEARANCE OF FULL ADJACENT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. GRADES ARE ASSUMED ON ALL SIDEWALKS RUNNING OVER 10% MINIMAL (EXTERNAL) DIMENSIONS IN ELEVATION, GRADES AND SHALL BE MAINTAIN 2% FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS, SEE DRAWINGS A-A-54 THRU A-A-57.

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 5-9-68

NO.	DATE	REVISIONS	BUL. NO.	BY
1	6-18-71	A-1168	DT
2	5-13-70	A-178	A.M.
3	1-30-70	A-91	L.A.
4	8-30-70	A-88	L.A.
5	1-30-70	A-67	K.C.
6	5-15-69	A-81	K.T.A.
7	5-30-69	A-76	Kam.
8	7-24-69	A-77	K.C.
9	8-29-69	A-75	Kam.
10	8-1-68	A-40	D.G.

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

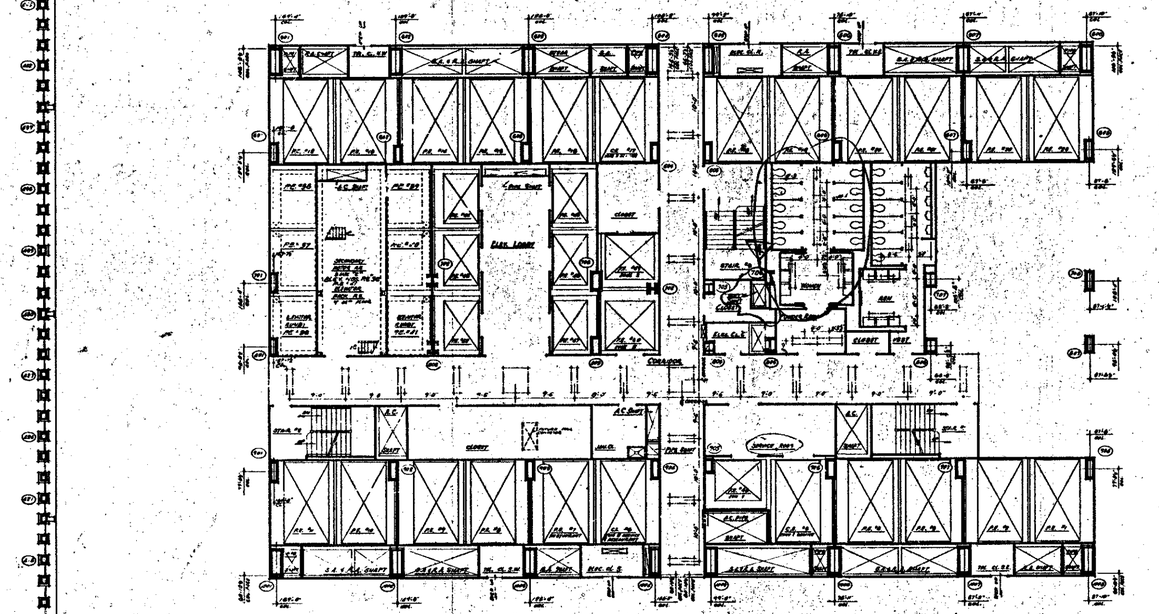
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLUMB. UTILITIES, FOUNDATIONS

TITLE: 32nd FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-24-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-54		



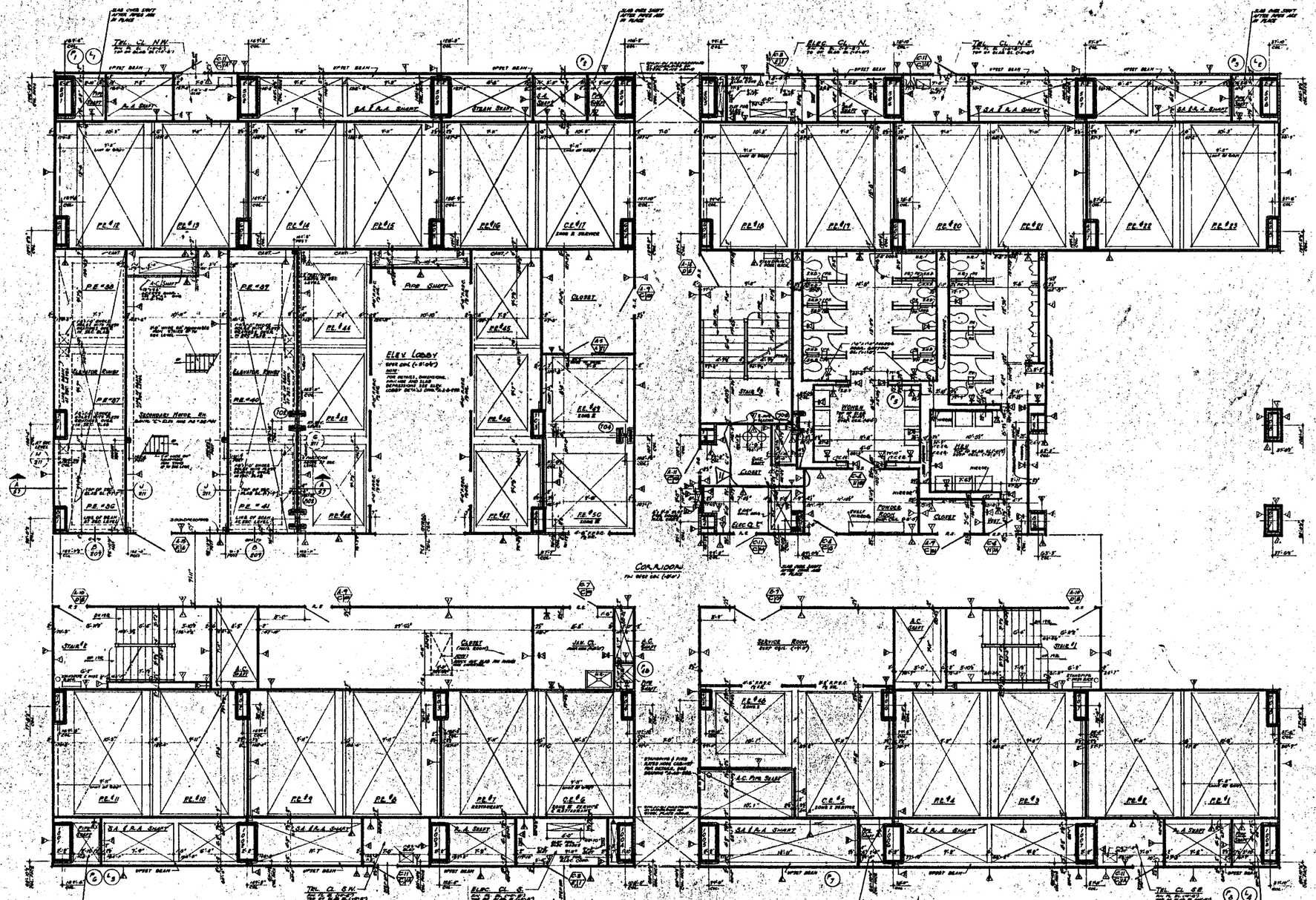
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SYMBOLS OF DRAWINGS SEE DRAWING P-A-1 TO P-A-8
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SERIES (NOW READING P-A-9 AND A-A-57)
3. ALL DIMENSIONS GIVEN FROM, TO FACE OF PARTITIONS, FACE OF MASONRY OR FACE OF CONCRETE UNLESS OTHERWISE NOTED.
4. FOR MECHANICAL AND REFRIGERATION LAYOUTS AND DIAGRAMMATIC SCHEMES SEE "M" DRAWINGS.
5. ALL TRENCHES UNLESS TO BE PERMANENTLY AT UNDERSIDE OF SLAB FOR A WIDTH OF 5'-0" WITH A DEPTH OF 1'-0" BELOW TOP OF SLAB. SEE "S" DRAWINGS FOR STRUCTURAL REQUIREMENTS FOR TYPE AND ELECTRICAL SERVICES AND CIRCULATION APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PARTITIONING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS. ENTRY, PENDEL ELEVATION AND TYP. OF "LIFE ELEVATORS ARE (10 O) (HC 24, STRETCHER) CAPACITY (PC 1,371) - 14
7. MIDDLE 10 SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS A CLOSURE, STAIR ENCLOSURES ETC., BOTTOM ELEVATION OF ALL DUCTWORK, PIPING, ETC. MAINTENANCE AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. ENTRY TO PUBLIC TOILETS, SEE DWG. P-A-1 FOR TYPICAL TOILET ARRANGEMENTS

BUILDINGS NOT DATED ARE IN "THE PROCESS OF COMPLETION"

CONTRACT NO.	DRAWING	DATE	6-7-68



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-1.1 TO A-1.6
2. FOR COMPLETE '8' SCALE PLAN SEE DRAWING # A.A-55
3. ALL ELEVATIONS GIVEN THUS (104'0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A.A-204 (A.A-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" + 1" + 2 SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICS" A-3 FOR TYPE AND ELEC. ENGINEERS AND CONTRACTORS APPROVED SHOP DWG FOR LOCATION AND EXTENT OF TRENCH HEADS AND FIREPROOFING
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE SHOWN OR NOTED.
8. PARTITIONS SHOWN ON ARE AND SHOWN DOTTED, ARE SUPPORTED AT EACH FLOOR LEVEL ON STEEL BEAMS AND ARE NOT TO BE LOCATED IN ANY WAY ON FLOOR SLAB
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGE ETC, BOTTOM ELEVATION OF ALL PIPES AND ELECTRICAL SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR. FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FREE HEIGHT ROOMS
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS [illegible]
11. CANTS ARE REQUIRED AT ALL BEAM PROJECTIONS OVER 6" HEIGHT (EXCEPTING DIVISIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7/8" FROM HORIZONTAL SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A.A# 206 THRU A.A# 210.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Aug. 9-1-66

NO.	DATE	SUBJ. NO.	BY
1	11-3-71	A-109	LH
2	1-20-70	A-31	LH
3	1-20-70	A-88	LH
4	1-20-70	A-77	LH
5	6-18-69	A-81	ATK
6	5-23-69	A-76	Bern
7	5-29-69	A-25	Bern
8	4-24-69	A-17	Bern
9	9-2-68	A-105	DAS
10	6-18-71	A-106	DT
11	3-19-68	A-104	DAS

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORIMB & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 33rd FLOOR CORE PLAN

1/4"=1'0" SCALE

DRAWN | CHECKED
SCALE 1/4"=1'0" | DATE 12-24-69
PROJECT NUMBER | SHEET OF
DRAWING NUMBER A·A·56

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS, DOOR SCHEDULES, CODE, SYMBOLISM AND TERMINOLOGY OF DRAWINGS THIS DRAWING# A-1-1 TO A-1-5.
2. FOR COMPLETE "G" CORE PLAN, REFER TO DRAWING# A-1-2.
3. ALL DIMENSIONS GIVEN, EXCEPT CURVES, ARE TO FACE OF FINISH WALL.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE DISTRIBUTION DIAGRAMS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. NO. A-1-2 & DWG. A-1-3.
6. ALL TRENCH HEADERS TO BE PAINTED WITH GREEN, SIDE OF SLAB FOR A WIDTH OF 3'-0" WITH A SINGLE STRIP OF YELLOW, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTOR'S SUPERVISION FOR LOCATION & EXTENT OF TRENCH HEADERS AND COLUMNS.
7. FINISH FLOOR ELEVATION @ TOP OF SLAB. SUNKEN AND RAISED SLABS AS SHOWN ON PLAN.
8. PLEASE SEE DIVISION 15 HDV. FOR SERVICE TOILETS. FOR DETAILS OF EQUIP. ACCESS PANELS TO BODY SHOP EQUIPMENT REFER TO SPECIFICATIONS AND TILE DRAWING A-2-1 FOR TYPICAL FINISH DETAILS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED CODES AND RULES AND REGULATIONS.
9. PAINT ALL EXPOSED DUCTS AND PIPING, ETC. IN TOILETS, STAIR, PASSAGE ETC., BOTTOM FLANGE OF ALL BEAMS AND GIRDERS, SHALL BE PAINTED WITH A 4" WIDE PAINTED BAND TO MATCH WALL FINISH COLOR WHERE EXPOSED TO VIEW.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" MINIMUM (2"RADIUS) DIMENSION IN ELEVATOR SHAFTS AND WHERE OTHERWISE NOTED ON ARCHITECTURAL SHEETS. FOR TYPICAL DETAILS.
12. FOR FIREPROOFING OF STEEL STRUCTURAL COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS # A-1-2 & A-1-3 FROM "GLASS AND STEEL" SERIES.

TOILETS

MEN WOMEN

ELEVATOR MACHINE ROOM

ELEVATOR SHAFT

SECTION 4/27

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO DRAWING date 6-9-68

				1-20-70	A-20	LJL
				1-20-70	A-17	LJL
				7-28-69	A-21	RTL
				6-18-69	A-26	[illegible]
				6-25-69	A-17	[illegible]
				7-25-69	A-25	[illegible]
				11-1-68	A-11	MJB
6-8-71	A-16-6	DR		6-1-68	A-6	CG
11-6-70	A-109	LJL		6-28-68	A-8	DJS
1-20-70	A-87	LJL		3-12-68	A-1	RTL
DEL.	DATE	BULL. NO.	BY	DEL.	DATE	BULL. NO.	BY

REVISIONS REVISIONS

REGISTERED ARCHITECT PRINCIPAL

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

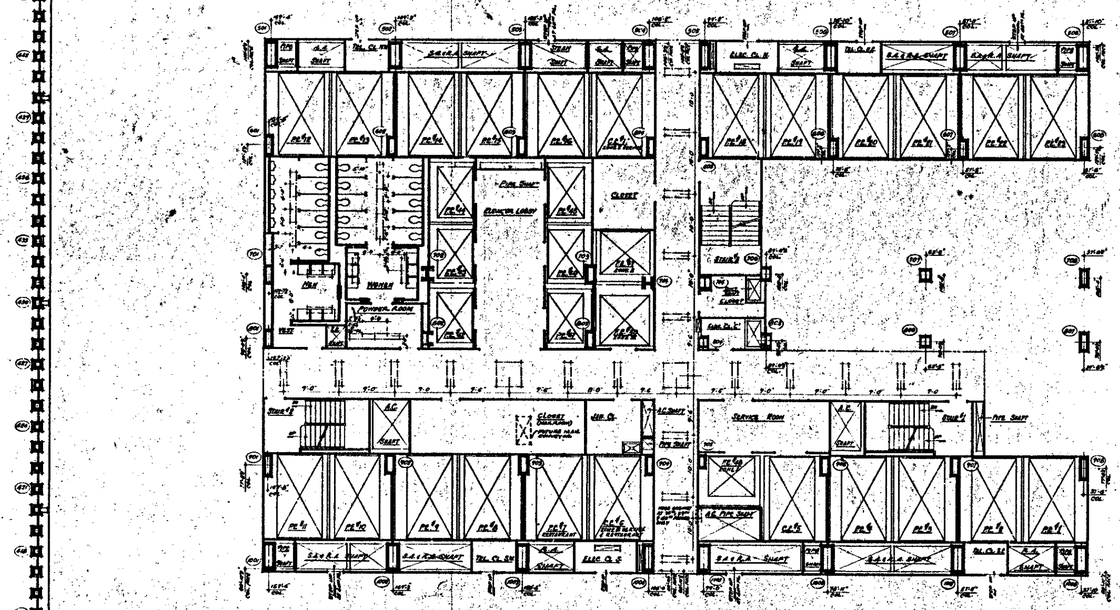
JOSEPH R. LORING & ASSOCIATES
SECURITY & SOILS ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 34TH FLOOR "G" CORE PLAN

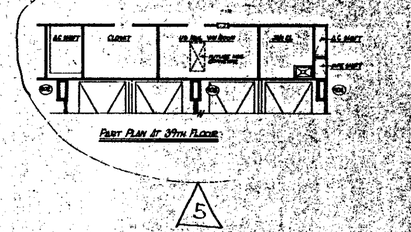
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	1-20-70
PROJECT MANAGER		PROJECT	
DRAWING NUMBER			A-A-57

1/4"=1'-0" 0 1 2 3 4 5 6 8 10 12 16 20 32 40 scale



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS P.A.-1 TO P.A.-5.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-4-57 & A/A-62.
3. ALL ELEVATIONS GIVEN HERE (1967.00) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRUSSED HEADERS TO BE PREPROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-8" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PREPROVIDED.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR "FIRE ELEVATION AND TYPE OF SLAB EXHAUSTION" SEE P.A.-5.1 UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, TOP OF FINISH CEILING WILL OCCUR AT ELEVATION EQUIVALENT OF ALL M.P.I.P. AND OTHERS WILL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS TO ALLOW FOR MECHANICAL AND ELECTRICAL EQUIPMENT. SEE ENGINEERS DRAWINGS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———



FIRST PLAN AT 39TH FLOOR

5

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REVISIONS			REVISIONS
6-18-71	A-130	KBL	
6-8-71	A-166	DT	
11-8-70	A-89	LH	
1-30-70	A-87	LH	
12-22-69	A-17	BM	

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

35TH TO 40TH FLOOR PLAN

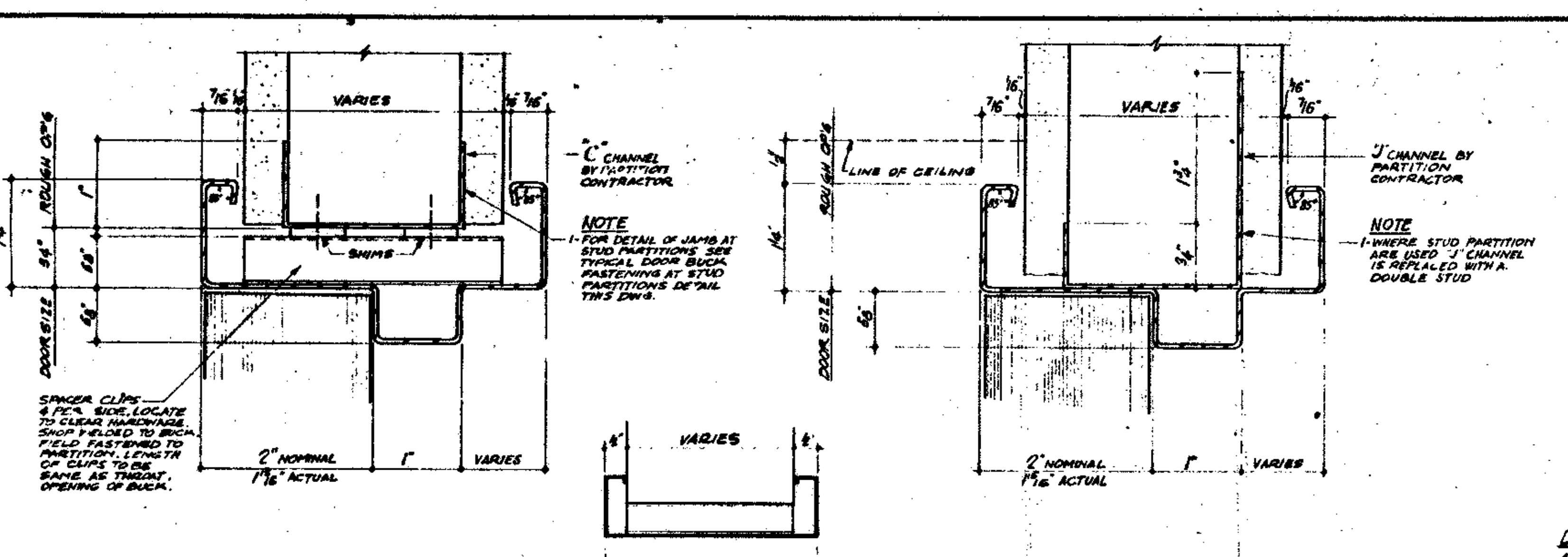
1/8"-1'-0"

DRAWN: [illegible] CHECKED: [illegible]
SCALE: 1/8"=1'-0" DATE: 7-31-67
PROJECT NO. [illegible] SHEET NO. [illegible]

A-A-58

NOTES:

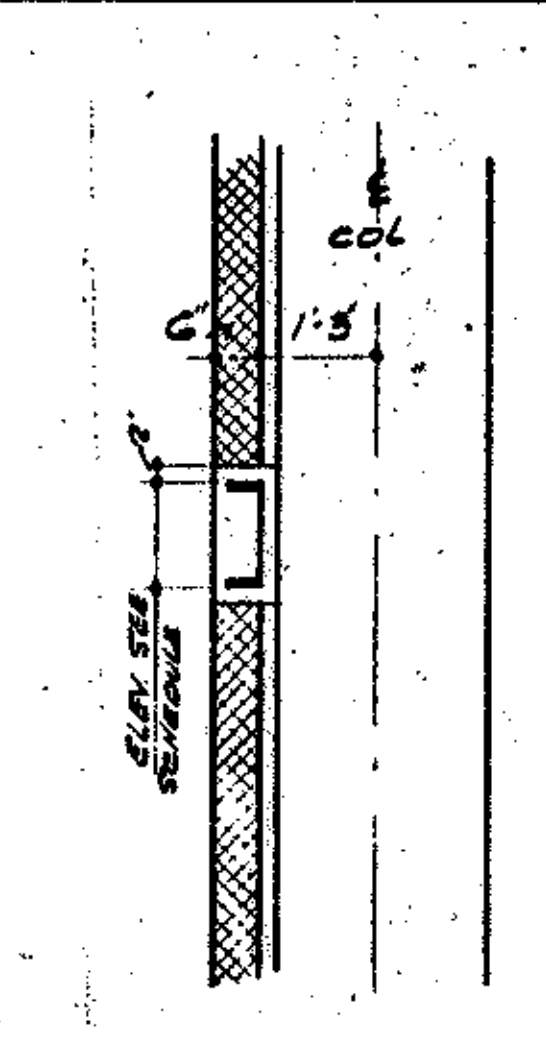
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FIRE REGULATIONS, CODES & AGENCIES, AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-0.1, A-0.2 & A-0.3.
2. FOR COMPLETE TOILET ROOM PLANS SEE DRAWING # A-3.03
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERED DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-4.6-104 AND A-4.6-106.
6. ALL TRENCH HEADERS TO BE PROPPED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SHEET-PILE TYPE SHEETING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONTRACTORS (MECHANICAL AND PLUMBING) CONTRACTORS RESPONSIBLE FOR LOCATION & EXTENT OF TRENCH HEADS AND REINFORCING.
7. FINISH FLOOR ELEVATION (FFE) OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE NOTED.
8. PROVIDE SLOPE DEPRESSIONS IN AREAS AND SHOWER'S TOILETS, AND DEPRESSED AT EACH LIGHTING OUTLET WHERE TILE FLOOR OCCURS, ADJUSTABLE TO ACCOMMODATE WITH TILE & CONCRETE. SEE TYPICAL TOILET ROOM SLOPE DRAWING # A-3.03.
9. WHERE NO FURRING CEILINGS ARE CALLED FOR, SHOW AS IN CORRTS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ANY LIGHT FIXTURE.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - -



TYPICAL JAMB AT LAMINATED GYPSUM PLANK PARTITION
FULL SIZE

TYPICAL TRIMMED HEAD DETAIL
HALF FULL SIZE

TYPICAL HEAD AT LAMINATED GYPSUM PLANK PARTITION
FULL SIZE



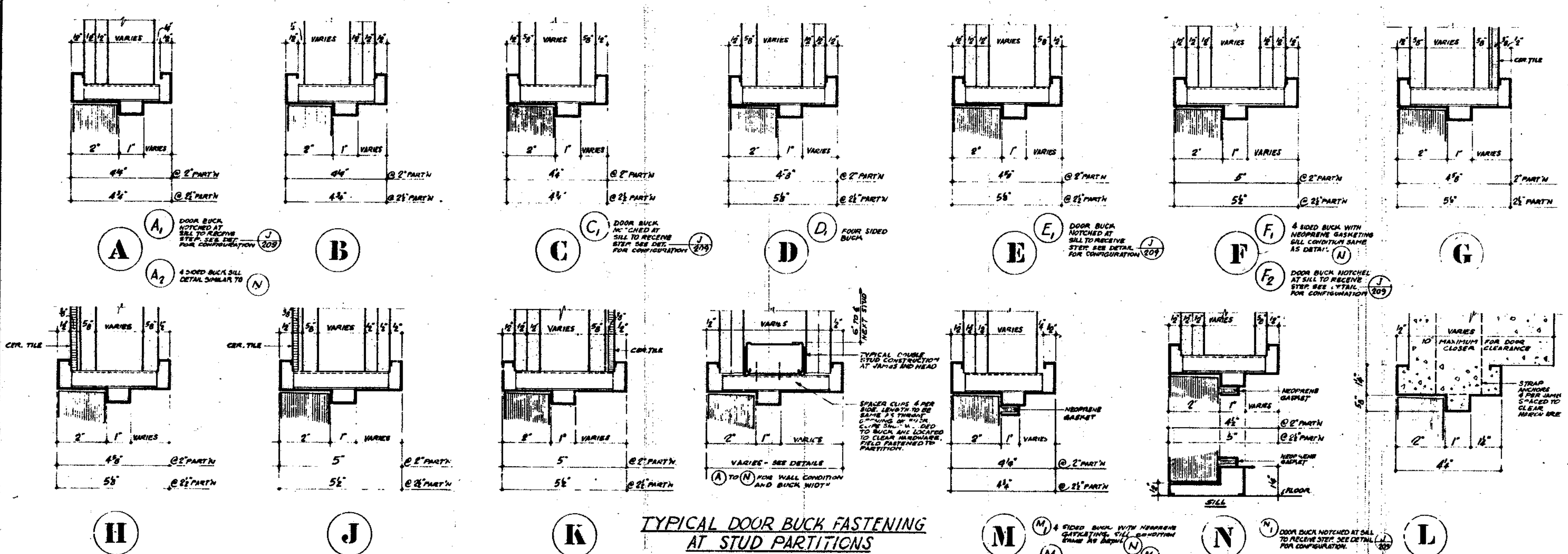
DETAIL OF HUNG LINTEL AT PERIMETER COLUMNS
SEE HUNG LINTEL SCHEDULE
SCALE 1/8" = 1'-0"

HUNG LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECTION	WALL THICKNESS	BOTTOM ELEV.	REMARKS
HL-1	6x6x5/16 6x6x5/16	6'-11"	JL	1'-0"	+9'-0"	HUNG FROM STEEL ABOVE 2 HANGERS
HL-2	"	11'-11"	"	"	+10'-0	HUNG FROM STEEL ABOVE 3 HANGERS
HL-3	"	8'-11"	"	"	+6'-0	HUNG FROM STEEL ABOVE 2 HANGERS
HL-4	"	11'-11"	"	"	+9'-8	HUNG FROM STEEL ABOVE 4 HANGERS
HL-5	"	4'-11"	"	"	+7'-4"	HUNG FROM STEEL ABOVE 2 HANGERS
HL-6	"	14'-11"	"	"	+10'-6"	HUNG FROM STEEL ABOVE 6 HANGERS
HL-7	"	8'-11"	"	"	+7'-6"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-8	"	8'-11"	"	"	+8'-8"	" " " "
HL-9	5x3½x5/16 5x3½x5/16	8'-11"	JL	8"	+13'-3"	HUNG FROM SLAB ABOVE 3 HANGERS
HL-10	5x5x5/16	6'-9"	L	6"	+8'-0"	" "
HL-11	"	8'-11"	"	"	+8'-10"	
HL-12	"	8'-7"	"	"	+8'-6"	" " "
HL-13	10[15.3	"	[	"	EL 252'-1"	CHANNEL TO BE CONT FROM COL. 201 TO 259, 301 TO 359 CLIPPED TO COL. AND FP WITH 2" CONC. & SEE HUNG LINTEL DETAIL THIS DWG & STRUCT. DWG.
HL-14	5x3½x5/16	6'-9"	L	4"	+16'-1"	CLIPPED TO OUTER FACE OF SPANDREL
HL-15	5x3½x5/16 5x3½x5/16	"	JL	8"	+13'-0	HUNG FROM SLAB ABOVE 3 HANGERS
HL-16	5x3½x5/16	6'-9"	L	6"	[illegible]	HANG FROM SLAB OR STEEL ABOVE 3 HANGERS
HL-17	5x3½x5/16 5x3½x5/16	7'-8"	JL	8"	+8'-6"	HANG FROM SLAB ABOVE 2 HANGERS
HL-18	5x3½x5/16 5x3½x5/16		JL JL		+9'-5½"	HUNG FROM STEEL ABOVE AND CLIPPED TO CONC. AT JAMB

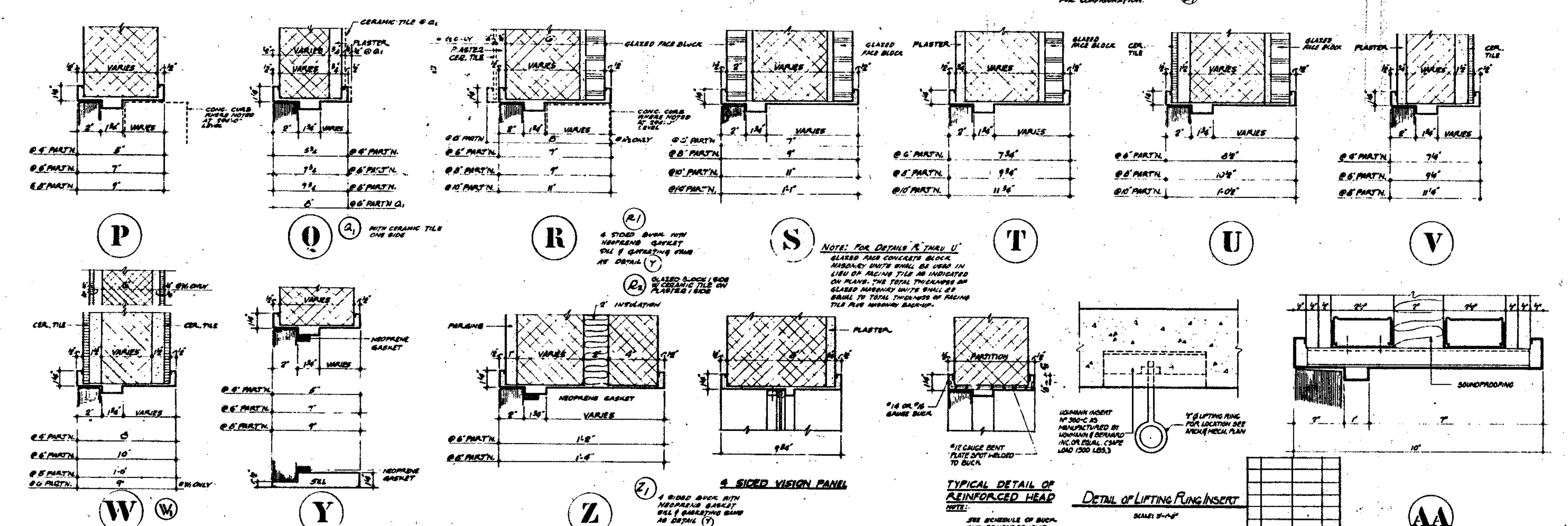
NOTE:

1 ALL FIXED LINTELS ARE ½ SHORT OF OPENINGS AT EACH END.
2 ALL HANGERS TO BE 3 x 3 x 5/16 CLIPPED TO STEEL OR SLAB ABOVE ONE HANGER AT EACH END OF LINTEL SHALL BE NOT MORE THAN 6 FROM THAT END. INTERMEDIATE HANGERS TO BE SPACED NOT TO EXCEED 6'-0" ON CENTER.



TYPICAL DOOR BUCK FASTENING AT STUD PARTITIONS

SCALE: HALF FULL SIZE FOR DETAILS (A) THROUGH (N)



TYPICAL DETAIL OF REINFORCED HEAD
NOTE:
SEE SCHEDULE OF BUCK AND REINFORCEMENT GAUGE FOR LOCATION

DETAIL OF LIFTING RING INSERT
SCALE: 3" = 1'-0"

SCALE: 3" = 1'-0" FOR DETAILS (P) THROUGH (Z)

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

SCHEDULE OF BUCK AND REINFORCEMENT GAUGES

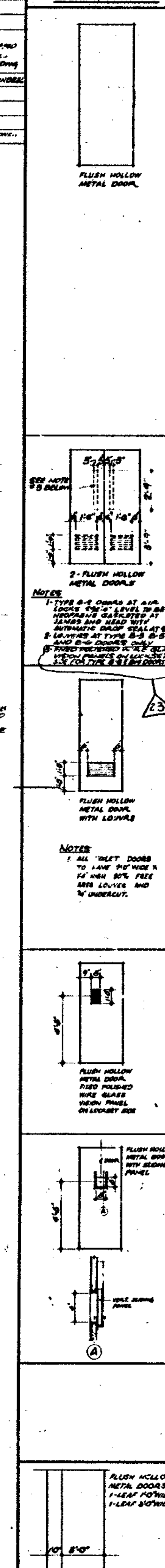
DOOR SIZE	PARTITION THICKNESS	BUCK GAUGE	REINFORCEMENT GAUGE
UP TO 4'-0"	2", 3" & 4"	#16	SEE NOTE #2
UP TO 3'-0"	6"	#16	SEE NOTE #4
3'-1" TO 4'-0"	6"	#16	#12
2'-0" TO 4'-0"	8"	#14	#12
4'-1" TO 6'-0"	2", 3", 4", 6", & 8"	#14	#12

NOTES
1- ALL BUCK REINFORCEMENT AS SHOWN ON SCHEDULE APPLIES TO ONE PIECE BUCKS IN MASONRY PARTITIONS ONLY.
2- ALL DOOR BUCKS THAT CARRY FACING TILE OR MARBLE TO HAVE #12 GAUGE REINFORCEMENT HEADS.
3- ALL DOORS 6'-1" OR LARGER AND ALL EXTERIOR DOORS TO HAVE ANGLE LINTELS.
4- ALL DOOR BUCKS THAT CARRY PARTITIONS 8" OR MORE IN THICKNESS SHALL BE #14 GAUGE BUCKS WITH #12 GAUGE REINFORCEMENT.
5- DETAILS OF DOOR BUCKS ARE SHOWN FOR WIDTH OF BUCK AND WALL CONDITIONS ONLY. FOR ACTUAL DOOR LOCATION AND SWING REFER TO PLANS.

LOOSE LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECTION	WALL THICKNESS	NO.	SIZE	LENGTH	SECTION	WALL THICKNESS
L-1	5"x3½"x5/16" 5"x3½"x5/16"	6'-6"	JL	10"	L-8	5"x3½"x5/16" 5"x3½"x5/16"	5'-10"	JL	8"
L-2	5"x5"x5/16"	6'-6"	L	6"	L-9	5"x3½"x5/16" 5"x3½"x5/16"	6'-6"	⊥	8"
L-3	5"x5"x5/16"	5'-10"	L	6"	L-10	5"x5"x5/16"	5'-10"	L	6"
L-4	5"x5"x5/16"	6'-6"	L	8"	L-11	5"x3½"x5/16" 5"x3½"x5/16"	6'-6"	⊥	1'-0"
L-5	5"x5"x5/16"	5'-1"	L	6"	L-12	5"x3½"x5/16" 5"x3½"x5/16"	4'-6"	JL	8"
L-6	5"x3½"x5/16" 5"x3½"x5/16"	5'-6"	JL	8"	L-13	5"x3½"x5/16"	4'-8"	L	6"
L-7	5"x3½"x5/16" 5"x3½"x5/16"	6'-6"	⊥	8"	L-14	5"x3½"x5/16" 5"x3½"x5/16"	5'-8"	⊥	1'-0"
					L-15	5"x3½"x5/16" 5"x3½"x5/16"	5'-8"	⊥	6"

DOOR SCHEDULE



TYPE NO.	WIDTH	HEIGHT	THICKNESS	F.P.S.C.	F.P.	1½ HR. LABEL		1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2' LOUVRE MAXIMUM	3 HR.-CLASS 'A' FIRE RATED	REMARKS
A-1	2'-6"	7'-0"	1¾"	•		•			•						
A-2	3'-0"	7'-0"	1¾"	•		•									
A-3	3'-0"	7'-0"	1¾"	•		•			•	•					
A-4	3'-0"	7'-0"	1¾"		•	•						•			
A-5	3'-0"	7'-0"	1¾"	•		•									
A-6	3'-0"	7'-0"	1¾"	•		•			•						
A-7	3'-9"	7'-0"	1¾"	•		•									
A-8	3'-9"	7'-0"	1¾"	•		•			•	•					
A-9	3'-0"	7'-10½"	1¾"		•	•									
A-10	3'-0"	7'-10½"	1¾"	•		•									
A-11	3'-0"	7'-10½"	1¾"		•	•						•			
A-12	3'-0"	7'-10½"	1¾"	•		•									
A-13	3'-0"	7'-10½"	1¾"	•		•			•	•					
A-14	3'-9"	7'-10½"	1¾"	•		•									
A-15	3'-9"	7'-10½"	1¾"	•		•			•	•					
A-16	3'-9"	8'-2¼"	1¾"	•		•									
A-17	3'-0"	8'-2¼"	1¾"	•		•									
A-18	3'-0"	8'-2¼"	1¾"		•	•						•			
A-19	3-0	9'-2½"	1¾"	•		•									
A-20	2'-6"	7'-0"	1¾"	•		•			•	•					
A-21	2'-6"	7'-10½"	1¾"	•		•			•	•					
A-22	3'-0"	7'-0"	1¾"		•	•									
A-23 *	3'-0"	7'-0"	1¾"	•		•			•	•					* FOR DOOR BUCK TO DOOR OF ROOF STAIR SEE DETAILS ON DRAWING # A-AB-226.
A-24	3'-9"	7'-0"	1¾"	•		•				•					
A-25	2'-6"	7'-0"	1¾"		•	•									
A-26 *	2'-0"	7'-0"	1¾"	•		•			•	•					* FOR DOOR BUCK TO DOOR OF WINDOW WASHER AREA SEE DETAILS ON DRAWING # A-AB-224.
A-27	2'-4"	7'-0"	1¾"	•		•									
A-28	2'-0"	2'-0"	1¾"		•	•			•						
A-29	2'-0"	4'-0"	1¾"	•		•			•	•					
A-30	2'-6"	7'-10½"	1¾"		•	•									* DOOR TO BE SECURED TO FRAME WITH BOLTS ON BACK OF THROUGH THE DOOR FRAME BOLTS & DOOR BODY. SECURE DOOR WITH WING NUTS ON THE OUTSIDE FACE.
A-31 *	3'-0"	7'-0"	1¾"			•			•	•					
B-1	5'-0"	7'-0"	1¾"	•		•			•	•					
B-2 *	5'-0"	7'-0"	1¾"	•		•									* LOOSE LINTEL ABOVE DOOR AT EL (+10'-6") TO BOTTOM OF LINTEL, WITH REMOVABLE MASONRY INFILL. LOCATED AT SERVICE LEVEL ELEV. 296'-0" VESTIBULE CONNECTING MAIN CORRIDOR AND P.A. PARKING AREA. * FOR DETAILS OF AIR LOCKS ON 296'-0" LEVEL SEE DRAWING A-AB-238
B-3	5'-0"	7'-10½"	1¾"	•		•						•			
B-4	5'-0"	7'-10½"	1¾"	•		•									
B-5	5'-0"	8'-2¼"	1¾"		•	•						•			
B-6	5'-0"	6'-8½"	1¾"	•		•									
B-7	6'-0"	8'-0"	1¾"	•		•									
B-8 *	5'-0"	7'-0"	1¾"	•		•									* PROVIDE LOUVRE AT ELEV. 290'-0" BETWEEN CORE & ELEV. OPNG. 'F' MAINT. MEN'S LOCKERS WITH NO VISION PANEL.
B-9	5'-0"	7'-10½"	1¾"		•	•						•			
B-10	5'-0"	7'-0"	1¾"		•	•						•			
B-11	5'-0"	9'-6¼"	1¾"	•		•									
B-12	6'-0"	7'-0"	1¾"	•		•									
B-13	6'-0	6'-0"	1¾"		•	•						•			
B-14	6'-0"	7'-10½"	1¾"	•	•	•									
B-15	4'-0"	7'-0"	1¾"		•	•						•			
C-1	2'-6"	7'-0"	1¾"		•	•									
C-2	3'-0"	7'-0"	1¾"	•		•							•		
C-3	2'-6"	7'-10½"	1¾"	•		•									
C-4	3'-0"	7'-10½"	1¾"	•		•									
C-5	3'-0"	7'-10½"	1¾"	•		•							•		
C-6	3'-9"	7'-10½"	1¾"	•		•							•		
C-7	3'-0"	7'-10½"	1¾"		•	•						•			
C-8	2'-6"	7'-10½"	1¾"		•	•							•		
C-9	2'-6"	8'-2¼"	1¾"		•	•						•			
C-10	2'-6"	4'-0"	1¾"	•	•	•									
C-11	2'-6"	7'-10½"	1¾"		•	•									
C-12	3'-0"	7'-0"	1¾"		•	•									
C-13	2'-6"	7'-0"	1¾"	•		•									
C-14	3'-0"	7'-10½"	1¾"		•	•									
C-15	2'-6"	7'-0"	1¾"	•		•							•		
C-16	3'-0"	7'-0"	1¾"		•	•						•			
C-17	3'-0"	8'-2¼"	1¾"		•	•						•			
C-18	2'-6"	7'-0"	1¾"		•	•							•		
C-19	3'-9"	7'-0"	1¾"	•		•						•			
C-20	2'-6"	7'-0"	1¾"		•	•						•			
D-1	3'-0"	7'-0"	1¾"	•		•			•						
D-2	3'-0"	7'-0"	1¾"	•		•									
D-3	5'-0	7'-0"	1¾"	•										•	NO VISION PANEL
E-1	3'-0"	7'-0"	1¾"	•		•									
E-2	3'-9"	7'-0"	1¾"	•		•									
X-1 *															* SEE CURTAIN WALL CONTRACT
X-2 *	3'-9"	7'-5"	1¾"												* SEE CONCOURSE LOBBY DETAILS FOR BUCKS & FIN.
X-3 *	3'-0"	9'-6½"	1¾"												* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-4 *	5'-0"	9'-6½"	1¾"												* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-5 *	6'-8"	9'-6½"	1¾"												* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-6 *	3'-0"	8'-2¼"	1¾"												* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-7 *	—	—	—												* SEE MAIN LOBBY & PLAZA LEVEL DET'S FOR BUCKS & FIN. STAINLESS STEEL CLAD FRAME & DOOR
F-1 *	4'-0"	7'-10½"	1¾"		•	•									* AT 67th FLOOR EXEC. AREA

REVISIONS

NO.	DATE	BUL. NO.	BY
△		A-407	L.J.
△		A-379	W
△	10-8-73	A-348	L.J.
△	7-17-73	A-346	L.B.
△	3-20-73	A-338	L.J.
△	6-1-72	A-267	L.C.
△	6-1-72	A-269	L.J.
△	1-25-72	A-211	L.C.
△	2-29-72	A-212	L.C.
△	12-27-71	A-198	L.C.
△		A-164	L.C.
△	6-18-71	A-172	D.B.L.
△	6-18-71	A-164	D.G.

CONTRACT BID DRAWING date 2-2-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
△	6-18-71	A-167	D.T.	△	1-30-70	A-44	L.V.
△	-12-71	A-180		△	1-30-70	A-47	L.V.
△	4-23-71	A-148	L.J.	△	5-23-69	A-26	[illegible]
△	1-4-71	A-118	D.A.	△	5-23-69	A-23	[illegible]
△	VOID	A-120	U.T.	△	4-11-69	A-17	Z.L.F.
△	11-6-70	A-108	L.J.	△	1-8-69	A-8	R.T.H.
△	9-11-70	A-97	L.J.	△	11-1-68	A-11	M.M.
△	6-22-70	A-18	L.J.	△	6-25-68	A-5	D.G.
△	8-18-70	A-77	A.W.	△	4-22-68	A-2	D.G.
△	6-18-70	A-78	A.W.	△	3-18-68		J.V.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: DOOR BUCK DETAILS & DOOR SCHEDULES

DRAWN		CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·A·6		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SYMBOLS, DOOR SYMBOLS & SYMBOLS OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DWG # A-A-60
3. ALL ELEVATIONS GIVEN THUS (20'6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE ABSORPTIVE SUB-MATRIX DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-A-204 & A-A-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS SHOWN OR NOTED.
8. PLANNED FOR DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LOCATION. ALLOW FOR PAPER TOWEL DISPENSERS, UNLESS TO BE LOCATED IN ASSEMBLIES WITH THE CABINETS. SEE TYPICAL TOILET DETAILS ON DRAWING "A-A-58-204."
9. AREAS NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MINIMUM 7'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 1/2" NOMINAL (3/4" ACTUAL) DIMENSION IN EXPOSED TOILETS AND SHALL BE MINIMUM 1/2" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-56 THRU A-A-215.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	Date 4-1-66
	1-20-70	A-51
	1-20-70	A-53
	1-20-70	A-67
	8-18-69	A-81
	5-29-69	A-16
	5-23-69	A-17
	5-23-69	A-15
	8-1-68	A-40
6-8-71	4-20-68	A-2
11-2-70	2-29-68	A-3

NO.	DATE	SUB. NO.	BY
REVISIONS			

NO.	DATE	SUB. NO.	BY
REVISIONS			

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

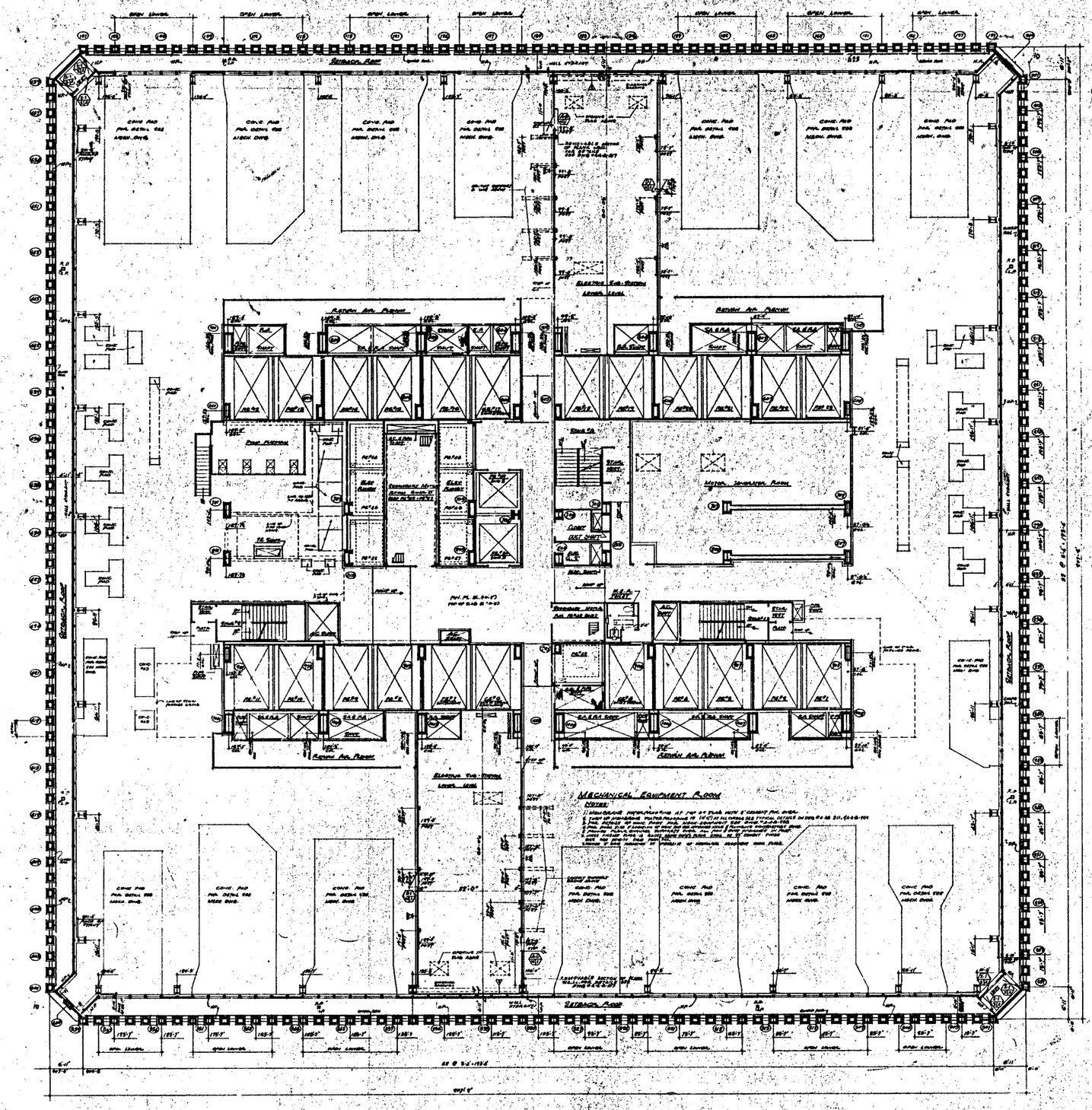
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 40TH FLOOR CORE PLAN

DESIGNED		DRAWN	
SCALE: 1/8"=1'-0"		CHECKED	
APPROVED		DATE	4-1-66
SUBMITTED		SHEET	OF
SUBMISSION			A-A-60

1/8"=1'-0" SCALE: 0 2 4 8 16



NOTES:

1. FOR GENERAL NOTES KEY TO ABBREVIATIONS, SYMBOLS, DESIGNATIONS AND INDEX SCHEDULES AND SCHEDULES OF DRAWINGS SEE DWG. A-A-1.10 A-A-1.6
2. FOR COMPLETE 'A' SERIES CODE PLAN SEE DRAWING A-A-1.6
3. ALL ELEVATIONS GIVEN THUS (+0.0') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-2.06 & A-A-2.05
6. FINISH FLOOR ELEVATION (+0.0')
7. TOP OF SLAB ELEVATION (-0.42') UNLESS OTHERWISE SHOWN, OR NOTED.
8. WHERE TO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STORE, MECHANICAL ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. ELEVATION TO TOP OF ALL CONCRETE WORK TO BE 8'-0" UNLESS OTHERWISE SHOWN OR NOTED.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date	9-7-68
		1	4-17-70	A-316	D.B.
		2	8-27-70	A-300	L.J.
		3	6-18-71	A-164	DEL.
		4	5-18-72	A-78	A.H.
		5	1-30-73	A-15	L.J.
		6	1-30-73	A-67	L.J.
		7	5-23-69	A-127	[illegible]
		8	5-21-69	A-17	[illegible]
		9	11-1-68	A-11	M.B.
		10	5-16-68	1.1.1	

NO.	DATE	SHL. NO.	BY
		REVISIONS	

NO.	DATE	SHL. NO.	BY
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 41st Floor Plan
Lower Mech. Equip. Rm. Level

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-7-67
PROJECT SERIES		SHEET	OF
REVISED SERIES			

A-A-63

NORTH

ELECTRIC SUB-STATION
LOWER LEVEL

RETURN AIR PLENUM

MOTOR GENERATOR R.M.

MER TOILET

ELEC. VEST.

ELEV. PIT

TOILET

ELEV. MACH. RM.

MECH. EQUIP. RM.

ELEV. ROOFS

SECONDARY MECH. EQ. LEVEL

ELEV. LOBBY

WOMEN'S TOILET

CURB ST.

SECTION 4/A8 BANK 'D'

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, ABBREVIATIONS, PAPER HOUSEKEEPING, DOOR, WINDOW & FINISHES SCHEDULES, SEE DRAWING # A-1.1 TO A-1.5
2. FOR COMPLETE 8" GRILLE PLANS, SEE DWG # A-1.6
3. ALL ELEVATIONS GIVEN THUS (+0'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE APPROPRIATE SUBSIDIARY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. S-A6.2 & S-A6.3
6. FINISH FLOOR ELEVATION (+0'0") AND TOP OF SLAB ELEVATION (-4'-6") UNLESS OTHERWISE SHOWN OR NOTED.
7. TOPS OF ALL CURB WALLS AT CHILLED TYP. INCH AT ALL CLOSETS, TOW RECESSES ETC. BOTTOM ELEVATION OF ALL SUCH RECESSES TO BE MAINTAINED AT 2'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANTS AND REVEALS ON ALL BEAM PROJECTIONS, SOFFITS, ETC. SHALL BE 3/4" RADIUS (1" ACTUAL) CONVEXION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'6" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6.1 TO A-A6.3.
10. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE 12" (+0'-1") UNLESS OTHERWISE NOTED.

MECHANICAL EQUIPMENT ROOM

Notes

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 4" CONC. FIN. FL.
2. TURN UP MEMBRANE WATERPROOFING TO (+0'-6") AT ALL CURB. SEE TYPICAL DETAILS ON DRAWING S-A6.2 & S-A6.3 SEE PAGE S-A6.2
3. FOR DETAILS OF CONST. AND FIRE PROOF. FLOOR SEE PAGE S-A6.2
4. FOR TOTAL SIZE & LOCATION OF CONC. PADS SEE M.E.P.& C. PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE FLUSH CHANNEL SUPPORTS OVER ALL FULL & SHORT OPENINGS IN PARTITIONS, SEE DETAIL DWG. # A-A6.2
6. PROVIDE FINISHED FLOOR, AS RAISED ABOVE (+0'-0") FLOOR, SHALL BE 6" CEMENT FINISH OVER 3000 DENSITY FLAGG FOAM FILL.
7. FOR 41ST FL. ELEVATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

BULLETINS NOT LISTED ARE IN THE ARCHIVES OF DUPLATION

CONTRACT	BID	DRAWING	date 9-1-66
		1-20-70	A-35 EC
		1-20-70	A-47 EC
		5-13-66	A-21 EM
		5-13-66	A-17 EM
4-8-71	A-164	2-21-69	A-23 EM
4-1-71	A-123	11-1-68	A-11 MA
11-5-70	A-108	8-1-68	A-10 CMB
8-13-70	A-85	6-20-66	A-8 EQ
8-13-70	A-78	4-18-66	A-6 EQ
1-20-70	A-61	3-8-66	M-1

REVISIONS

REGISTERED ARCHITECT — NEW YORK STATE

THE WORLD TRADE CENTER

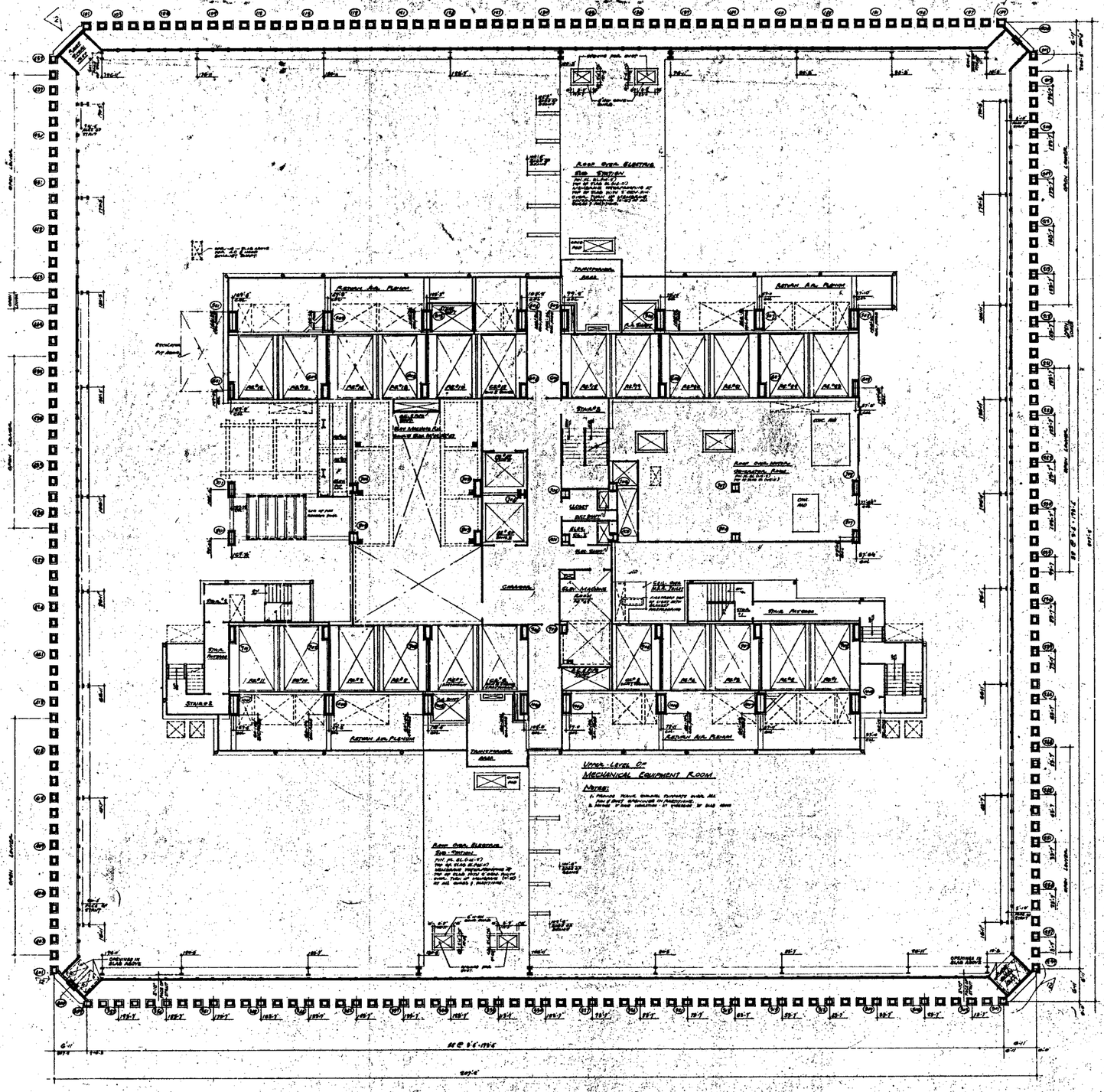
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 41ST FLOOR CORE PLAN
LOWER MACH. EQUIP. RM. LEVEL

1/8" = 1'0"

DRAWING NO. A-A-64



North

Notes:

1. For general notes & key to materials, symbols, abbreviations & points, symbols and schedules of columns see drawing S-2.1
2. For complete 'E' scale core plan see drawing S-2.1-C.0
3. All elevations given are (Tote) are in relation to Port Authority datum.
4. For mechanical and electrical layout see respective engineers drawings.
5. For typical steel details see drawing S-2.1-A-0.0
6. Where no suspended ceilings are called for, such as in closets, fire passages etc., bottom elevation of all beams and ductwork to be maintained at 8'-4" above finished floor to facilitate ceiling installation and clearance of final height shown.

Bulletins not dated are in the process of completion.

Contract	Bid	Drawing	Date	
			4-17-72	A-17.2
			2-22-71	A-44.1
			6-18-71	A-44.4
			2-17-70	A-55.2
			1-30-70	A-17.1
			1-30-70	A-55
			5-23-69	A-13
			5-23-69	A-22
6-15-72	A-316	D.G.	11-1-68	A-11
4-19-72	A-309	L.J.	7-19-68	L-1.1

No.	Date	Bul. No.	By

Revisions

Approved

Chief, Planning Division

Date

Minoru Yamasaki & Associates
Minoru Yamasaki, Architect

Worthington, Skilling, Helle & Jackson
Structural Engineers

Joseph R. Loring & Associates
Electrical Engineers

Emery Roth & Sons
Richard Roth, Architect

Jaros, Baum & Bolles
Mechanical Engineers

The Port of New York Authority
Paving, Utilities, Foundations

The World Trade Center

The Port of New York Authority

Title: 42nd Floor Plan
Upper Mech Equip Rm Level

Drawn: [illegible] | Submitted: [illegible]
Scale: 1/16" = 1'-0" | Date: 7-31-67
Project No. [illegible] | Sheet No. of
Drawing No. A-A-65

ROOF OVER ELECTRIC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

NORTH

NOTE

CLOSET

CORRIDOR

ELEVATOR MACH. RM.

ELEVATOR MACHINE ROOM

ROOF OVER MOTOR GENERATOR ROOM

ELEC. CLOSET

ELEC. CLOSET

SERVICE ROOM

EMERGENCY

ROOF OVER STAIR #2

CORE DOOR

STAIR #2

ROOF OVER STAIR

STAIR PASSAGE

SECTION THRU F.E. #46

UPPER LEVEL OF MECHANICAL EQUIPMENT ROOM

NOTES

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

ROOF OVER ELECTRIC SUB-STATION

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 6-7-66
		1-30-70	A-28
		3-25-69	A-15
		3-25-69	A-27
		7-29-69	A-23
		8-25-69	A-17
9-8-75	A-686	MM	11-1-68	A-8	MB
6-18-71	A-188	DDL	8-1-68	A-10	DDL
6-18-71	A-78	BM	6-20-68	A-9	DDL
8-19-74	A-86	DDL	2-27-68	A-7	DDL
1-30-70	A-27	LML	8-8-68		LML

REVISIONS REVISIONS

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
JOSEPH R. LORING & ASSOCIATES

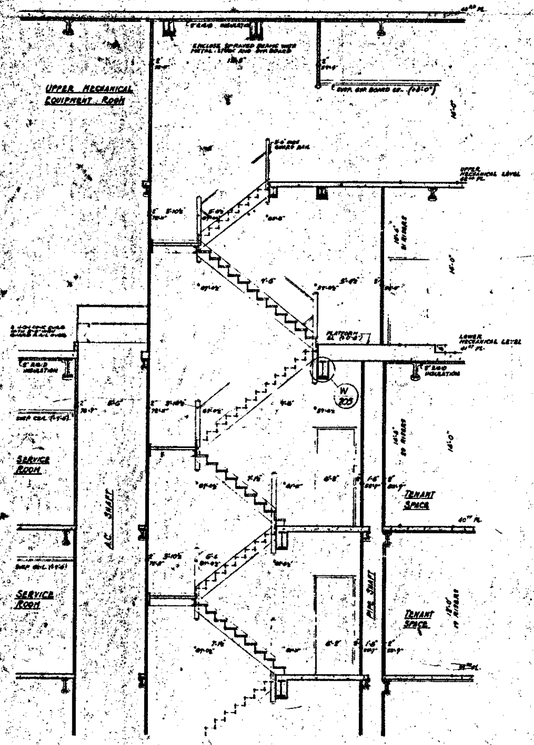
JAROS, BAUM & BOLLES
CONSULTING ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, SITE UTILITIES & FOUNDATIONS

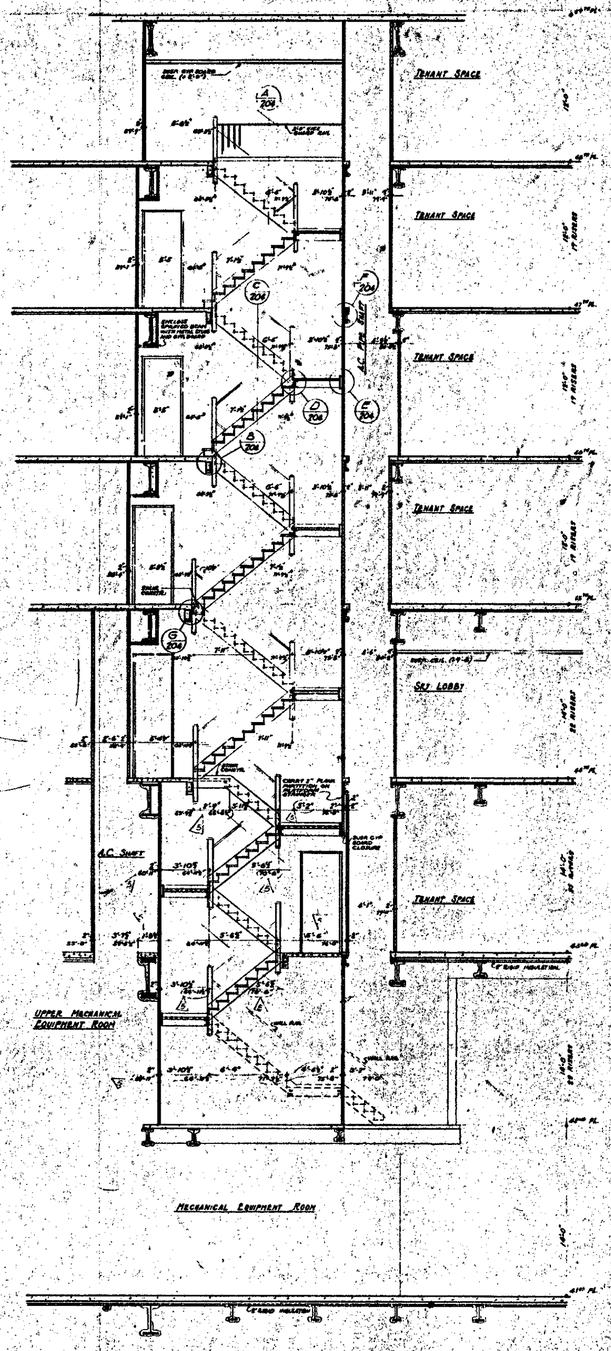
TITLE
42ND FLOOR CORE PLAN
Up. & Mech. Equip. Rm. Level

	1/8" = 1'-0"			

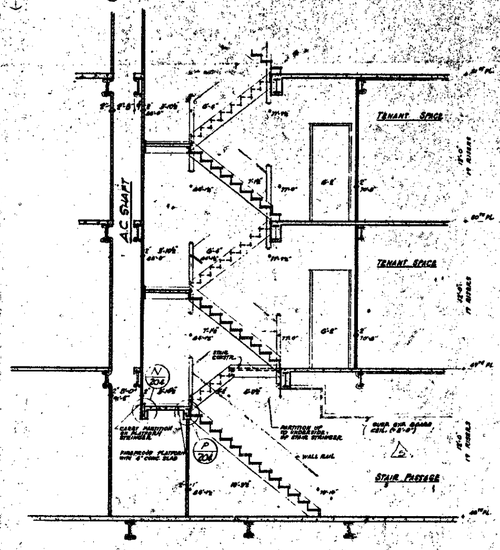
A-A-667



SECTION (B/67) THRU STAIR #1



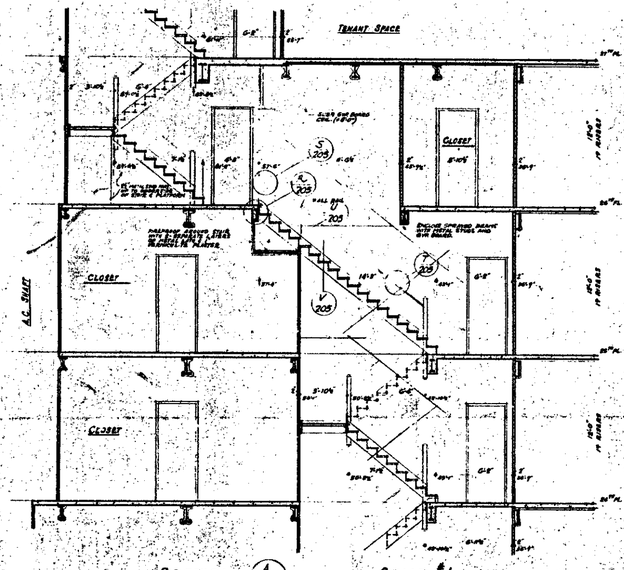
SECTION (C/67) THRU STAIR #1



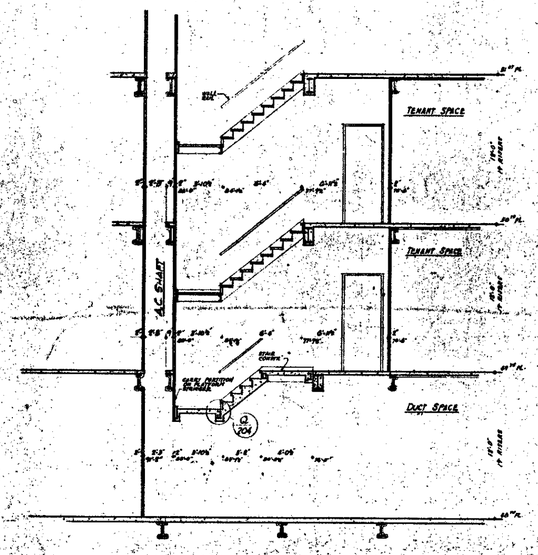
SECTION (D/67) THRU STAIR #1

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULES SEE DRAWING SEE DRAWINGS A-0.1 TO A-0.5
2. ALL ELEVATIONS GIVEN (THUS (104')) ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWG. A-0.6 AND A-0.6a
4. WHERE NO DIMENSIONS OR NOTES ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRED AND SUSPENDED CEILINGS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR ACTUAL CEILING INSTALLATION AND CLEARANCE OF ALL MECHANICAL DUCTWORK.
5. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-0.6 THRU A-0.6d.



SECTION (A/67) THRU STAIR #1



SECTION (E/67) THRU STAIR #1

CONTRACT NO.	DRAWING	date 6-1-68
	1-30-70 A-67	L.M.
	5-25-69 A-13	L.S.
	5-23-69 A-13	L.S.
	6-18-68 A-6	D.G.
	3-18-68	UNIV.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

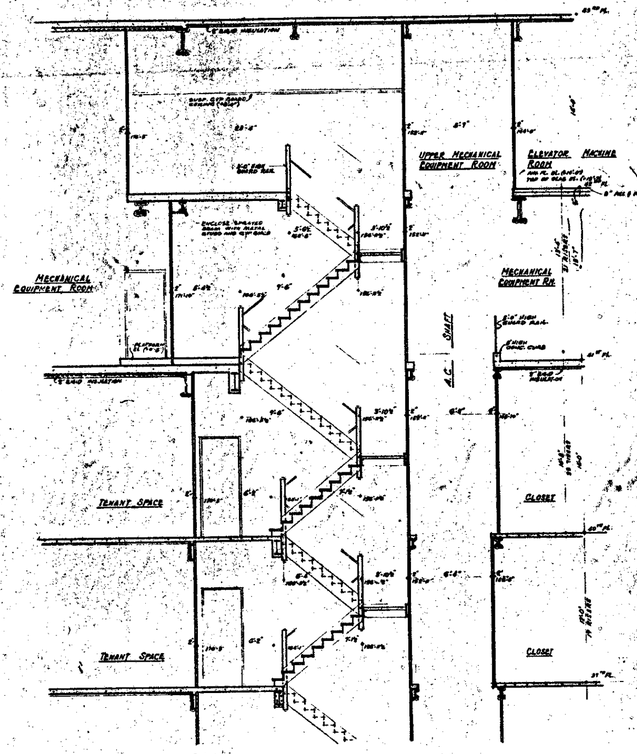
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
POWER, UTILITIES, FOUNDATIONS

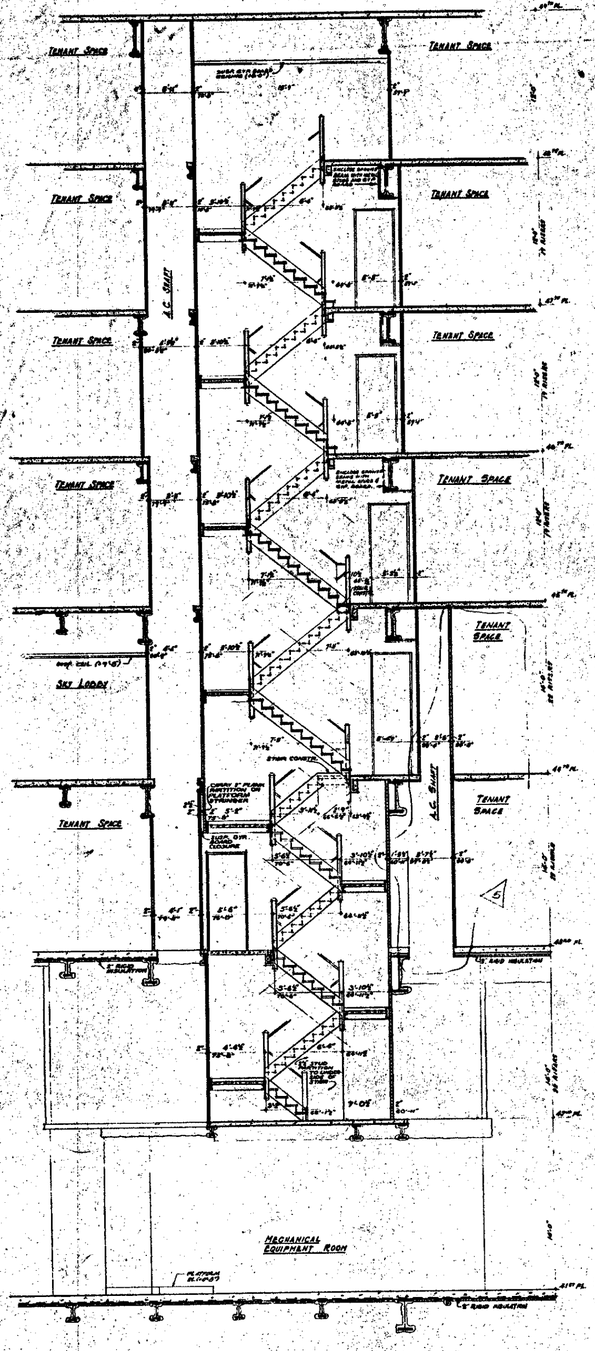
TITLE: STAIR SECTIONS STAIR #1

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-67		

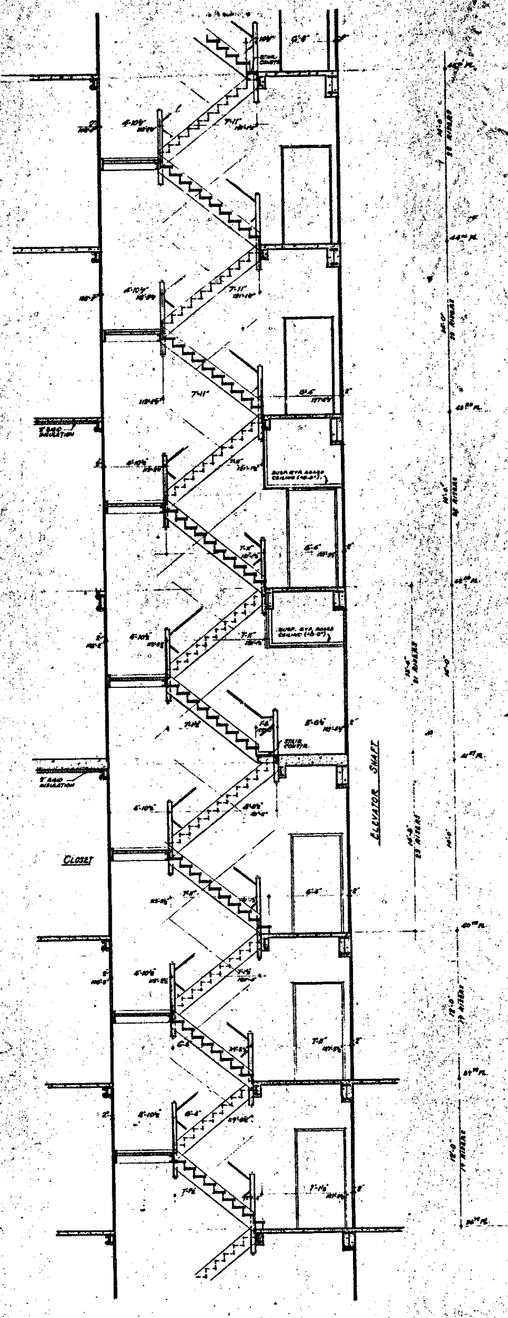
1/16" scale: 0 2 4 8 16 feet



SECTION (F/68) THRU STAIR #2



SECTION (G/68) THRU STAIR #2



SECTION (H/68) THRU STAIR #3

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DEMISES SEE DRAWINGS A-01.1 TO A-01.5.
2. ALL ELEVATIONS GIVEN, THUS (5'-10") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS A-AB-304 AND A-AB-305
4. WHERE IN ENCLOSED CORRIDOR ALL CALLED FOR, EXIT 30" IN HEIGHTS STAIR, PASSAGES ETC. BOTTOM ELEVATION OF ALL FURRED AND SUSPENDED CEILINGS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHTING DEVICES.
5. CURTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (5" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 72" FROM HORIZONTAL. SEE TYPICAL DETAILS.
6. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-306 TO A-AB-318.

CONTRACT NO.	DRAWING date 8-1-68

NO.	DATE	DWG. NO.	BY
1	1-30-70	A-47	LJL
2	9-15-69	A-13	LJL
3	5-21-69	A-11	LJL
4	8-4-68	A-10	EDS
5	6-12-68	A-6	EDS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT PROFESSIONAL ENGINEER STATE OF NEW YORK NO. 21610

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS

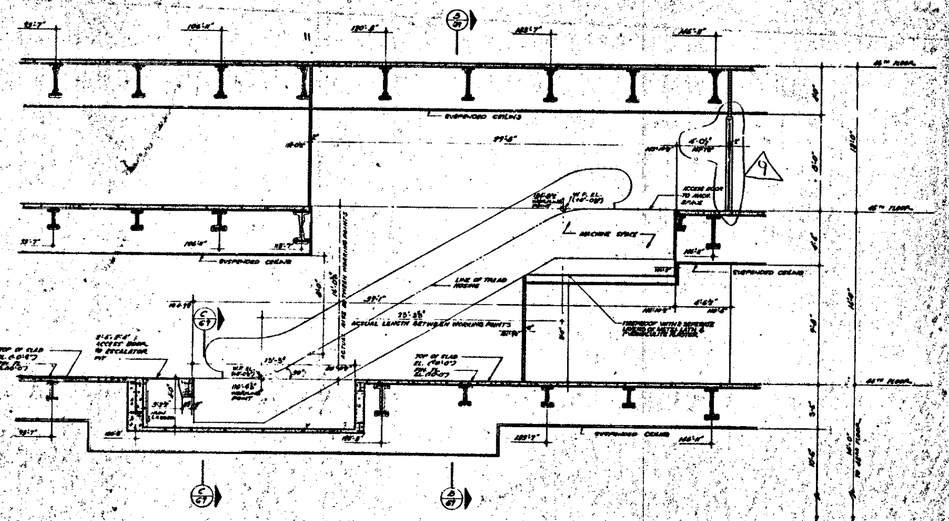
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS

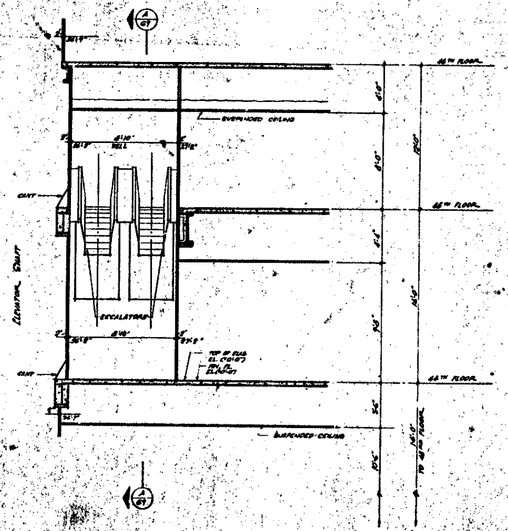
THE PORT OF NEW YORK AUTHORITY, DAVIES, UTILITIES, FOUNDATIONS

TITLE: STAIR SECTIONS STAIRS #2 & #3

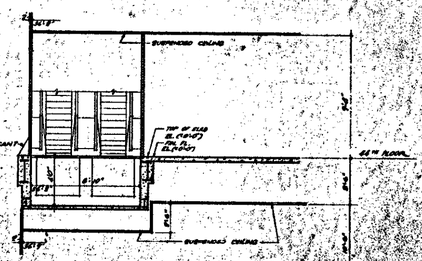
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-68		



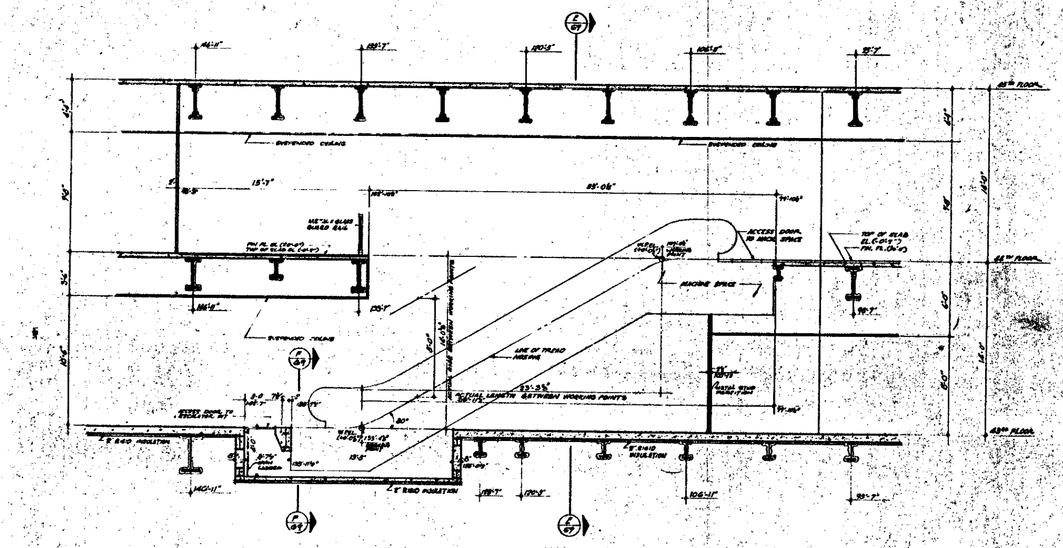
SECTION (A/G1) THRU ESCALATORS A-5 & A-6



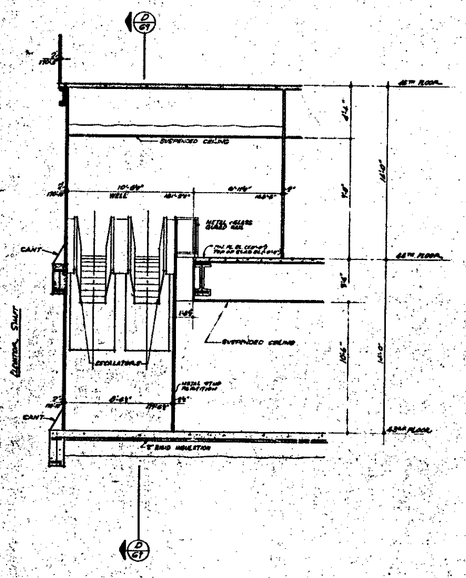
SECTION (D/G1)



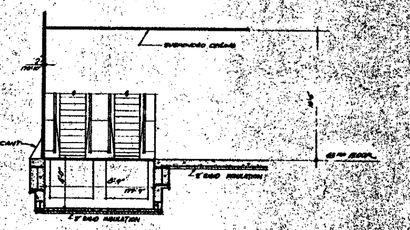
SECTION (C/G1)



SECTION (D/G1) THRU ESCALATORS A-3 & A-4



SECTION (E/G1)



SECTION (F/G1)

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, CODE, PHYSICAL AND ENVIRONMENTAL CONSIDERATIONS, SEE DRAWINGS A-0.1 TO A-0.3
2. ALL ELEVATIONS SHOWN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ELECTRICAL SCHEDULE DRAWINGS.
4. POINT PLANE ELEVATION AND TOP OF SLAB ELEVATIONS ARE EXPOSED UNLESS OTHERWISE SHOWN OR NOTED.
5. WHERE AN EXPOSED SLAB EDGE HAS WATER PAN, END PAN OR IS CURVED, FINAL MEASURE ETC., BOTTOM ELEVATION OF ALL PANS AND CURVES SHALL BE MAINTAINED AT 0'-0" FROM FINISHED FLOOR, TO ALLOW FOR PROPER FINISH INSTALLATION AND CLEARANCE OF ALL MOVING PARTS.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG #A.0-7.00
7. CANTS AND TREADS OF ALL RUNS ARE PARALLEL TO EACH OTHER MINIMUM (6" ACTUAL) DIMENSION IN RISERS, SLANTS AND WALLS, SEE ARCHITECTURAL TOP FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR ESCALATOR DETAILS, PANELS AND ADDITIONAL SECTIONS SEE DRAWING # A-AE-550.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-500 TO A-AB-502.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.		DRAWING dgs. 12/66	
	5-17-74	A-551	L.L
		A-164	LC
	6-18-71	A-166	DBL
	11-5-70	A-109	L.L
	4-15-70	A-78	A.K
	1-30-70	A-47	L.L
	5-11-69	A-29	L.L
	5-15-69	A-17	L.L
	8-1-68	A-10	DBL
	6-19-68	A-5	D.G
L.L			

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PLANNING, UTILITIES & FOUNDATIONS

TITLE: ESCALATOR SECTIONS
ESCALATORS A-3, A-4, A-5 & A-6

DRAWN: [illegible] — CHECKED: [illegible]
SCALE: 1/4"=1'-0" — DATE: 7-24-67
PROJECT NUMBER: [illegible] — SHEET: [illegible] OF [illegible]
DRAWING NUMBER: A-A-69

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, UNITS, SCHEDULES, DOOR SCHEDULES AND SUBSCRIPTS OF DRAWINGS, SEE DRAWINGS A-1.1 TO A-1.6.
2. FOR CODE, FIRE EMERGENCY AND NOTES IN CAPS SEE DRAWINGS A-1.7 CODE DRAWING A-1.71
3. ALL ELEVATIONS GIVEN THUS (+ 41'-0") ARE IN RELATION TO PORT OF NEW YORK DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE SEPARATE DRAWINGS, MARKED E.
5. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A 2'-0" 45° FILLET, EXCEPT AS NOTED OTHERWISE.
6. SPECIFICATIONS FOR TYPE AND ELECTRICAL SERVICES AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND OUTLET OF TRUNK, HEADER AND DISTRIBUTION.
7. CONDUCTOR AND TO-LET LIMITING LENGTH AS SHOWN, FOR ALL OTHER LIMITING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
8. FINISH FLOOR ELEVATION AND TOP OF BEAM ELEVATIONS ARE (24-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, WHICH ARE 10'-0" OR LESS, STEAM, PIPELESS ETC., BOTTOM ELEVATION OF ALL PIPING AND MECHANICAL SHALL BE MAINTAINED 11'-6" OR MORE CLEAR, TO PERMIT FULL HEIGHT CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

A.C. & HOOD EXHAUST SHAFT

A.C. SHAFT

A.C. SHAFT

A.C. SHAFT

ESCALATOR BY OTHERS

ESCALATOR BY OTHERS

A.C. & PIPE SHAFT

AIR CONDITIONING ROOM

CLOSET

KITCHEN EXHAUST

TOILET SPACE

NOTE:
1. FOR EXACT LOCATION OF OPENINGS IN SHAFTS, SEE S.E. DWGS. TYPICAL S.E. DWGS. S-1.1 TO S-1.4, EXCEPT AS NOTED ON S-1.5.
2. OPENINGS IN SHAFTS SHALL BE COORDINATED BY CONTRACTOR WITH STRUCTURAL DRAWINGS AND ALL OTHER TRADES.
3. ALL OPENINGS SHALL BE FRAMED AS PER STRUCTURAL DETAILS, SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL.
4. PLUMBING CONTRACTOR TO CUT ALL OPENINGS AND SET ALL SLEEVES FOR PLUMBING AS REQUIRED.
5. M.+E. CONTRACTOR TO CUT ALL OPENINGS AND SET ALL SLEEVES FOR ELECTRICAL AS REQUIRED.
6. SLEEVES AT FIRE ALARM TO BE 1" LARGER THAN OUTSIDE DIAMETER OF WIRE ALARM TO BE USE 1" ABOVE TOP OF SLAB.
7. SLEEVES AT THIS ALARM TO BE USE 1" ABOVE TOP OF SLAB.

DRILL EXPLORING SHAFTS (SALES) SEE TENANT ARCH. DWGS.

DRILL EXPLORING SHAFTS (SALES) SEE TENANT ARCH. DWGS.

NOTE: SEE DETAIL 15 ON THIS DRAWING & SHOP DRAWINGS

NOTE: SEE DETAILS OF DUCT OPENINGS ON SHOP DRAWINGS

A.C. SHAFT

A.C. SHAFT

PLAN SCALE: 1/4"=1'-0"

DETAIL (B) SCALE: 1 1/2"=1'-0"

SECTION A-A SCALE: 1/2"=1'-0"

DETAIL (C) SCALE: 1/2"=1'-0"

DETAILS OF DUCT OPENING SAFEING AT S.E. & S.W. CORNERS A.C. SHAFTS SCALE AS NOTED

K.E. FLUE

ELEV. MOTOR GENERATOR & CONTROL RM.

ELEV. MACH. RM.

KITCHEN EXH.

ELEV. SHAFT

SECT. (4/70) THRU: KITCHEN ELEV.

1/8"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	BULLETIN No.	Date	DR
	6	6-18-71	A-164
	5	11-6-70	A-108
	4	8-28-70	A-78
	3	6-19-70	A-55
	2	1-30-70	A-26
5-22-68	1	1-30-70	A-25
10-1-70	1	1-30-70	A-45
8-25-70	1	8-25-70	A-40
12-17-70	1	7-22-70	A-17
12-17-70	2	7-22-70	A-17

DATE — DESCRIPTION — BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

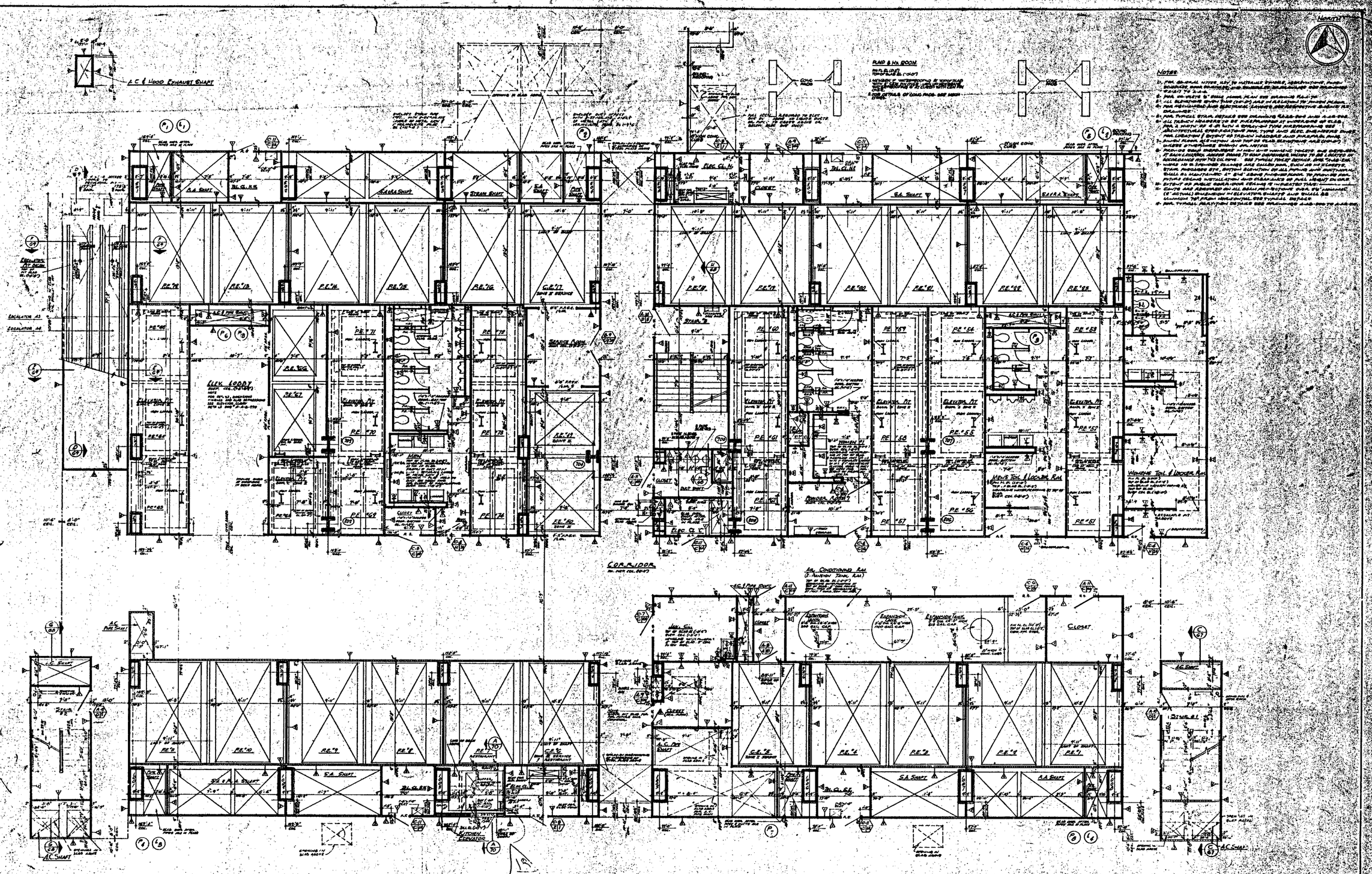
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — SOILS, UTILITIES, FOUNDATIONS

TITLE: 43RD FLOOR PLAN
LOWER RECITATION LEVEL

DESIGNED		DRAWN	
SCALE	1/4"=1'-0"	DATE	7-23-67
APPROVED		CHECKED	
CONTRACT NO.		SHEET NO.	

A-A-70



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO	DRAWING	date 5-1-68
	1-80-M	A-67
	1-80-M	A-68
8-69-71	A-104	C-1
8-69-71	A-104 OBL	A-81
11-6-70	A-106	A-82
5-15-70	A-78	A-83
5-15-69	A-55	A-17
1-80-M	A-81	A-10
1-80-M	A-83	A-8
1-80-M	A-105	A-7

NO.	DATE	REVISIONS	BY

APPROVED

STATE PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

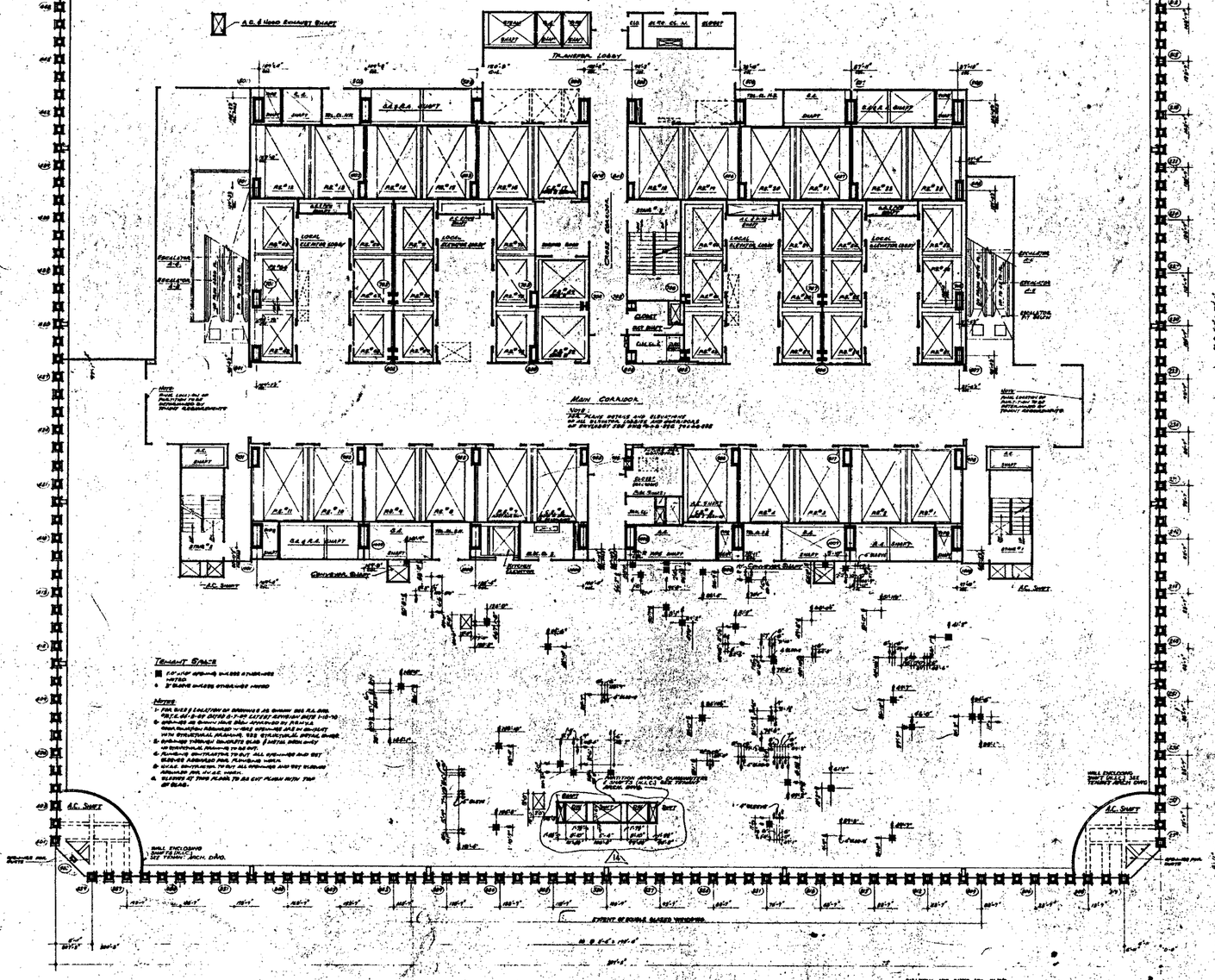
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATION

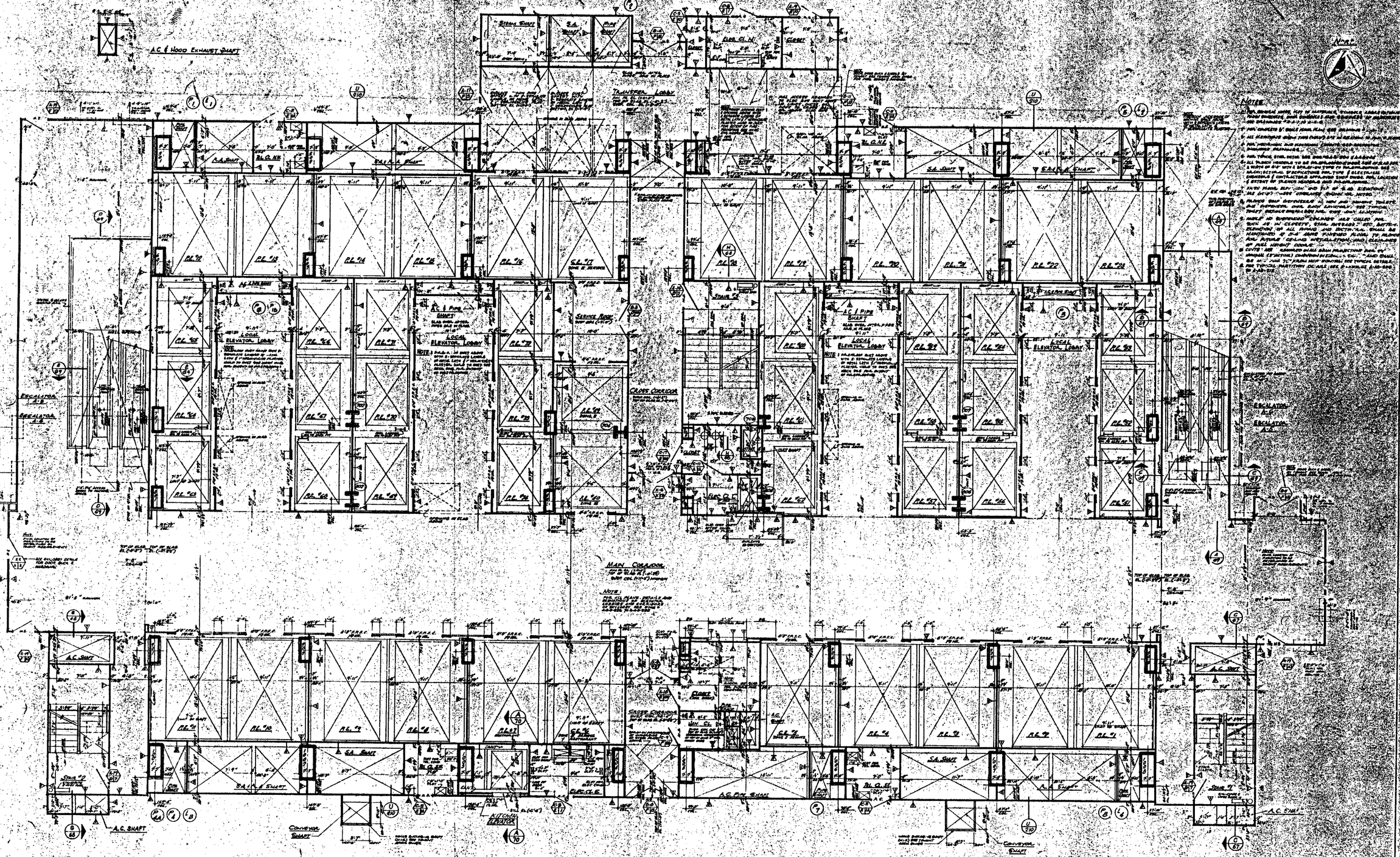
TITLE: 43rd FLOOR CORE PLAN
LOWER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	5-1-68
PROJECT NUMBER		SHEET NO.	

CONTRACT NO. 8-69-71

A-A-71


A.C. & Hood Exhaust Shaft
Elevator Lobby
Main Corridor
Tenant Space
Note:
See Plans, Details and Elevations for all Elevator Shafts, Machine Rooms and Pits not Detailed on this Floor Plan
Note:
Fire Enclosing Shaft Walls See Typical Sections
Note:
Fire Enclosing Shaft Walls See Typical Sections
Shaft Enclosing Shaft Walls See Typical Sections
Shaft Enclosing Shaft Walls See Typical Sections
Shaft


A.C. & Hood Exhaust Shaft
Stair 'C'
S.A. Shaft
E.A. Shaft
A.C. Shaft
A.C. Pipe Shaft
Local Elevator Lobby
Escalator A-B
Escalator A-C
Main Corridor
Service Room
Conveyor Shaft
Kitchen Elevator
A.C. Duct Shaft
Stair 'F'
Stair 'G'
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Stair 'MMMMMMMMMMMMMMMMMMMMMMMMM'
Stair 'NNNNNNNNNNNNNNNNNNNNNNNNN'
Stair 'PPPPPPPPPPPPPPPPPPPPPPPPP'
Stair 'QQQQQQQQQQQQQQQQQQQQQQQQQ'
Stair 'RRRRRRRRRRRRRRRRRRRRRRRRR'
Stair 'SSSSSSSSSSSSSSSSSSSSSSSSS'
Stair 'TTTTTTTTTTTTTTTTTTTTTTTTT'
Stair 'UUUUUUUUUUUUUUUUUUUUUUUUU'
Stair 'VVVVVVVVVVVVVVVVVVVVVVVVV'
Stair 'WWWWWWWWWWWWWWWWWWWWWWWWW'
Stair 'XXXXXXXXXXXXXXXXXXXXXXXXX'
Stair 'YYYYYYYYYYYYYYYYYYYYYYYYY'
Stair 'ZZZZZZZZZZZZZZZZZZZZZZZZZ'
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Stair 'BBBBBBBBBBBBBBBBBBBBBBBBBB'
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Stair 'DDDDDDDDDDDDDDDDDDDDDDDDDD'
Stair 'EEEEEEEEEEEEEEEEEEEEEEEEEE'
Stair 'FFFFFFFFFFFFFFFFFFFFFFFFFF'
Stair 'GGGGGGGGGGGGGGGGGGGGGGGGGG'
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Stair 'JJJJJJJJJJJJJJJJJJJJJJJJJJ'
Stair 'KKKKKKKKKKKKKKKKKKKKKKKKKK'
Stair 'LLLLLLLLLLLLLLLLLLLLLLLLLL'
Stair 'MMMMMMMMMMMMMMMMMMMMMMMMMM'
Stair 'NNNNNNNNNNNNNNNNNNNNNNNNNN'
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Stair 'VVVVVVVVVVVVVVVVVVVVVVVVVV'
Stair 'WWWWWWWWWWWWWWWWWWWWWWWWWW'
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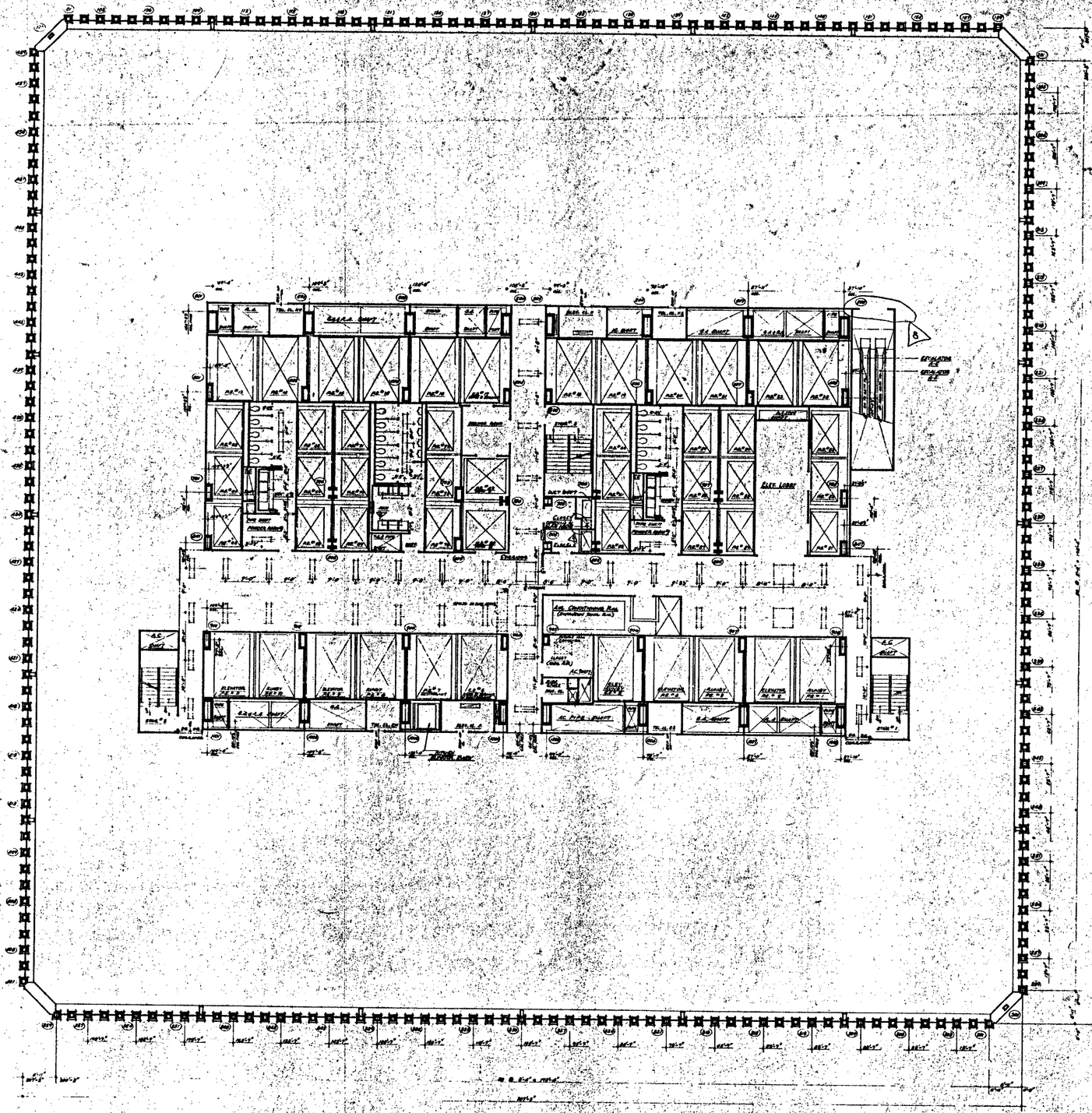

ELEVATORS
ELEVATORS
ELEV. LOBBY
A.C. SHAFT
A.C. SHAFT
A.C. SHAFT

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS AND SCHEDULES, SEE DRAWING A-49.
2. ALL DIMENSIONS ARE TO FACE OF CONCRETE OR MASONRY UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS, SEE DRAWING A-49 AND ELECTRICAL DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. NO. A-6.4-5.2 & A-6.4-5.3.
6. ALL TRADES WORKING TO BE PROTECTED AT UNPROTECTED OPENINGS AND AT EDGE OF SLAB ON A NORTH OR SOUTH EXPOSURE AS REQUIRED BY LAW. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND METHOD. ALL PROTECTIVE DEVICES TO BE APPROVED BY THE CHIEF ENGINEER OF THE PORT AUTHORITY. SEE ALSO SECTION 27-375 OF THE BUILDING CODE.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN ON A-6.1-5.
8. TOILET AND DRESSING ROOMS FOR MEN AND WOMEN TOILET AND DRESSING ROOMS FOR MEN AND WOMEN SHALL BE PROVIDED AS REQUIRED BY LAW. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND METHOD. ALL PROTECTIVE DEVICES TO BE APPROVED BY THE CHIEF ENGINEER OF THE PORT AUTHORITY. SEE ALSO SECTION 27-375 OF THE BUILDING CODE.
9. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED BY DASHED LINE.
10. CANTS ARE PROVIDED AT ALL SOLID PARTITIONS WITH METAL STUDS (4" MINIMUM) PARTITIONS IN SHAFTS, ENCLOSING ROOMS SHALL BE MINIMUM 10" FROM WALL TO PARTITION. SEE TYPICAL DETAILS.
11. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-6.1-5.1 TO A-6.1-5.6.

CONTRACT NO.		DRAWING	date 2-1-66	
		1-30-70	A-49	LM
		1-30-70	A-47	EC
		1-30-70	A-46	EC
2-17-68	A-176	5-19-69	A-8	EC
12-27-67	A-100	5-23-69	A-21	KTH
	A-164	5-23-69	A-26	LM
6-6-67	A-66	5-23-69	A-17	LM
5-8-67	A-66	5-23-69	A-23	LM
11-6-70	A-108	8-4-71	2-10	DG
11-30-70	A-81	8-23-66	A-6	DG

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

BY LETTING NOT DATED ARE IN AS FOR "ISSUE FOR CONSTRUCTION"

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

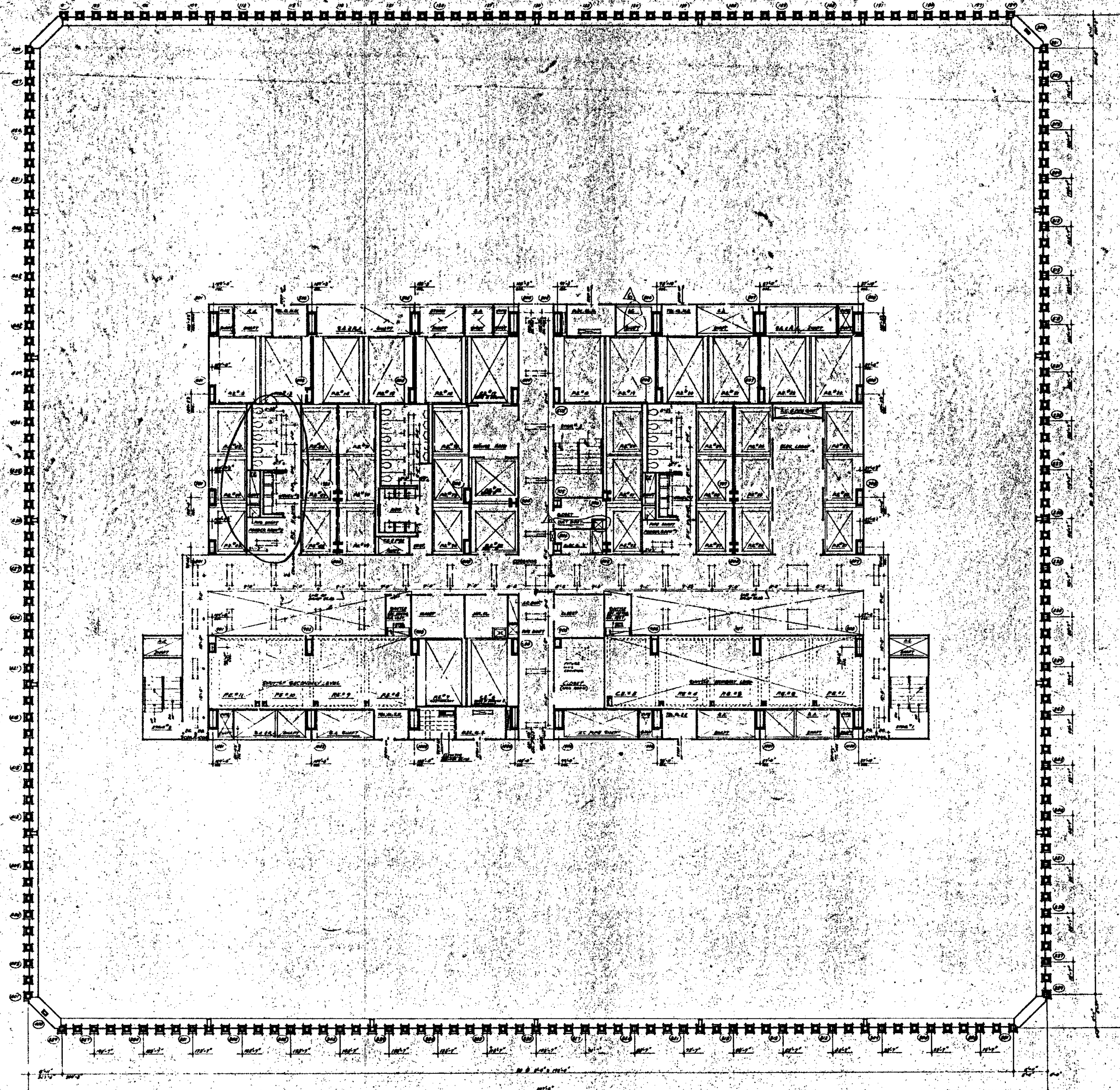
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, COORDINATION

1/8"-1'0" 0 2 4 8 16 SCALE IN FEET

TITLE: 45TH FLOOR CORE PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'0"	DATE	2-1-66
PROJECT NUMBER		SHEET	76
REVISED NUMBER			A-A-75



North

Notes

1. For general notes, key to materials, symbols, abbreviations, finish schedules, door schedules and schedules of drawings see drawings A-A-1 to A-A-[illegible]
2. For complete dimensions and notes in core area see [illegible] scale core drawing A-A-77
3. All elevations given thus ([illegible]) are in relation to [illegible] floor.
4. For mechanical and electrical layouts see respective engineers drawings.
5. All trench headers to be fireproofed for a width of [illegible] with a spray on type fireproofing. See architectural specifications for type and electrical engineers and contractors approved shop drawings for location and extent of trench header and fireproofing.
6. Corridor and toilet lighting layouts as shown. For all other lighting see electrical drawings and architectural details.
7. Finish floor elevation and top of slab elevations are [illegible] unless otherwise shown or noted.
8. Where no suspended ceilings are called for, such as in closets, stair passages etc., bottom elevation of all piping and ductwork shall be maintained at [illegible] above finished floor to provide for future ceiling installation and clearance of full height doors.
9. Extent of public corridor ceiling is indicated thus ______

Bulletins not dated are in the process of completion

Contract bid drawing date 2-9-68

No.	Date	Dwg. No.	By	No.	Date	Dwg. No.	By
					6-18-71	A-104	O.B.L.
					1-20-70	A-88	L.J.
					1-20-70	A-48	L.V.
					2-25-69	A-13	S.C.
					5-23-69	A-17	S.L.R.
					5-23-69	A-82	S.L.R.
Revisions				Revisions			

Approved

Chief, Planning Division

Date

Registered Architect — Richard Roth — State of New York

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0"

Title: 46th FLOOR PLAN

Drawn: | Checked: | Scale: | Date: | Project Number: | Sheet:

Drawing Number: A-A-76

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-2.01 TO A-2.03.
2. FOR COMPLETE 32" SCALE FLOOR PLAN SEE DRAWING 3/16"=1'-0"
3. ALL FLOORING OTHER THAN (QUIET) ARE IN RELATION TO MAIN FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG 3/A-8.04 & A-8.05
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE (ELECTRICAL ENGINEERS) CONTROLS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FOR FURR. ELEVATION AND TOP OF FURR SEE FURRING & PARTITION SCHEDULE SHEET 1 OF NOTES
8. PROVIDE JOHN DOUGHBOSS H MEN AND WOMEN TOILETS AND DRINKERS AT EACH FLOOR, ACCESS DOORS TO SHAFT ENCLOSURES SHALL BE AS LOCATED IN ASSOCIANCE WITH THE CO-ORD SEE TYPICAL TOILET DETAILS, DWG 3/A-8.04
9. WHERE TO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, STAIR ENCLOSURES ETC, BOTTOM FLANGES OF ALL BEAMS AND GIRDERS SHALL BE MAINTAINED AT SLAB ABOVE FINISHED FLOOR, TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT ABOVE.
10. EXTENT OF PUBLIC CORRIDOR, CEILING AS INDICATED THUS
11. CANT'S ARE REQUIRED ON ALL SHAFT ENCLOSURES OVER 75' HORIZONTAL (OVERALL) DIMENSION IN ELEVATOR SHAFTS AND CLOSE ENCLOSURES 75' FROM JOURNAL TRAL. SEE TYPICAL DETAILS, SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-01 & A-A8-02.

NOTE: 1 HR. DETAIL CONFORMING WITH 1 HR. SLAB CONSTRUCTION SEE ELEVATOR LOBBY DETAIL DWG 3/A-8.04

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING Date 6-1-68

NO.	DATE	BUL. NO.	BY
6	6-8-71	A-146	GDL
5	11-5-70	A-108	L.M.
4	8-28-70	A-78	L.M.
3	1-20-70	A-51	L.M.
2	1-20-70	A-52	L.M.
1	1-20-70	A-47	L.M.
	5-25-69	1-8	R.C.
	8-18-69	A-21	R.T.M.
	3-25-69	A-36	FINAL
	3-25-69	A-17	PRELIM
	3-25-69	A-23	PRELIM
	12-4-68	A-10	D.M.
	9-25-68	A-6	D.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

SKILLETER/ELLEY ASSOCIATES

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

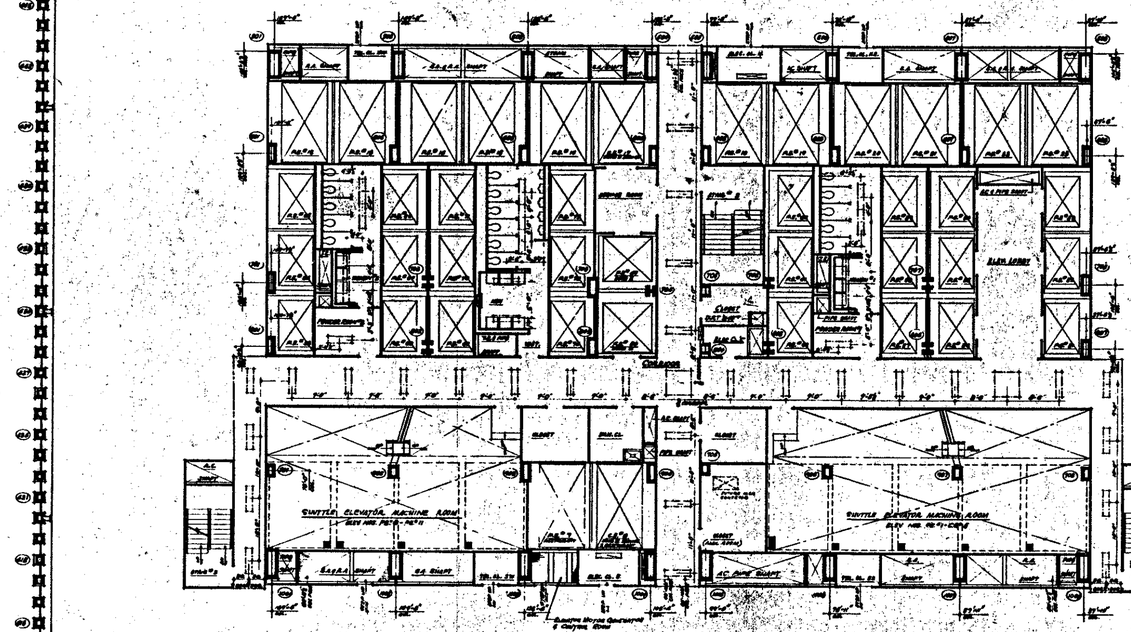
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS C.P.E.

THE PORT OF NEW YORK AUTH., "NY"
PAVING, UTILITIES, FOUNDATIONS

TITLE: 46TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-26-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-A-47	



A-78

NOTES

1. ALL GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND DRAWINGS OF DOORS AND PARTITIONS A-2.1 TO A-2.5
2. ALL CONCRETE, MASONRY AND NOTES & HOW ARE ON SHEET A-2.6
3. ALL SUBSTANCE, OTHER THAN (C.O.P.) ARE IN RELATION TO ROOM PLANS.
4. ALL MECHANICAL AND ELECTRICAL WORK BY SEPARATE CONTRACTORS.
5. ALL FINISH HEADS TO BE PROTECTED AT COMPLETION OF PLAN FOR A PARTY OF 5'0" WITH A STRAP-ON TYPE PROTECTIVE, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL, MECHANICAL AND CONSTRUCTION DRAWINGS FOR EXISTING LOAD DISTRICT, OF STRUCTURAL STEEL, MASONRY AND PARTITIONING.
6. CORRIDOR AND TOILET LIGHTING LAYOUT AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DRAWINGS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE ONLY UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUPERVISOR EXISTING HAS CALLED FOR, DUCT AS IT CARRIES, STEAM PIPINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT NO. DRAWING DATE: 9-1-66

REVISIONS				REVISIONS			
NO.	DATE	DWG. NO.	BY	NO.	DATE	DWG. NO.	BY
				6	6-15-71	A-15A	DLL
				5	1-28-70	A-15	LJL
				4	6-23-69	A-13	LJL
				3	5-23-69	A-17	LJL

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
SOILS ENGINEERS — PIERS, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	3-30-67
PROJECT NO.		SURVEY NO.	
DRAWING NO.	A-A-78		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND ASSEMBLIES OF COMBINED USE DRAWINGS A-A-1 TO A-A-8.
2. FOR COMPLETE 47 BOARD FLOOR PLAN SEE DRAWING A-A-78.
3. ALL ELEVATIONS GIVEN THUS (CL 6.0) ARE IN RELATION TO TYPICAL FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS E-A-1 AND M-A-1.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-A-201 AND A-A-202.
6. ALL PLANTS INDICATED TO BE PLACED ARE APPROXIMATE OR AVERAGE OF CLASS FOR, & WIDTH OF 4'-0" WITH A SPREAD OF TYPE OF FOLIAGE SEE ARCHITECTURAL SPECIFICATIONS FOR TYPES & SIZES. FOR PLANTING & CONSTRUCTION DETAILS SEE DWGS. 1-A-1, LOCATION OF PLANTS INDICATED IN FOLIAGE PLANS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE RELATED TO PROJECT BENCHMARK DATUM OF N.Y.C.D.
8. FLOOR SLAB DEPRESSED FROM FINISH FLOOR AT TOILETS, ONE DEPRESSED AT EACH LAVATORY, RECESS DEPTH TO SLAB SURFACE SEE VARIES TO BE LOCATED IN ACCORDANCE WITH TILE SETTING, SEE TYPICAL TOILET DETAILS A-A-201 & 202.
9. DOUBLE RIB SUSPENDED CEILINGS, FLAT GRIDS FOR, 1'-0" OR 2'-0" CENTERS, TOTAL THICKNESS 8'-0", BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3'-0" UNLESS (IF ACTIVE) EMBEDMENT IN SLAB EXCEEDS 3'-0" MINIMUM. TYP. FROM HORIZONTALS. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-205 TO A-A-216.

NOTES:
1. ALL DOORS, DIMENSIONS, POINTS & ELEVATIONS SHOWN ON ELEVATOR DWGS. TYP.
2. 2 SHUTTLE CAR SHAFT AREA WITH 2 SEPARATE LOBBIES OF VARYING CAPACITY & TECHNOLOGICAL FEATURES. REFER TO ELEVATOR DWGS. FOR DETAILS OF EQUIPMENT.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT NO. DRAWING Nos. A-A-79

NO.	DATE	DESCRIPTION	BY
1	1-30-70	A-67	EC
2	2-18-70	A-B	EC
3	9-15-69	A-81	RTH
4	5-21-69	A-84	EC
5	5-15-69	A-17	EC
6	2-21-69	A-23	EC
7	6-18-71	A-46 OBL	
8	3-15-70	A-78	LH
9	1-30-70	A-81	LH
10	1-30-70	A-83	LH

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	11-1-68	A-11	MM
2	8-1-68	A-10	DC
3	6-20-68	A-3	DC
4	2-22-68	A-7	DC

REVISIONS

REGISTERED ARCHITECT MINORU YAMASAKI NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

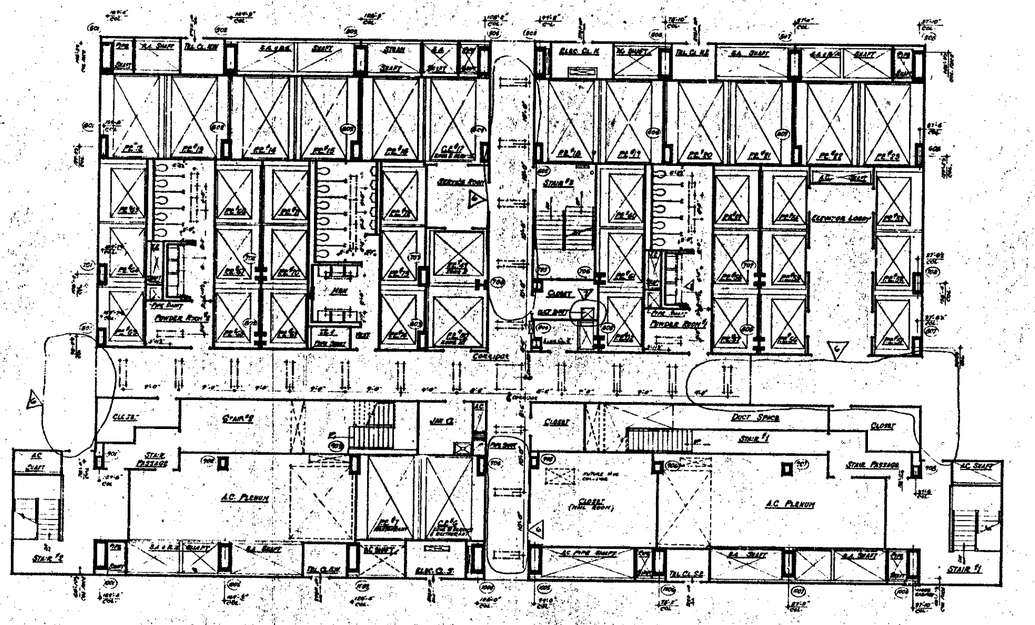
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR CORE PLAN

DRAWN		TOP JOISTS	1/4"
TRACED		SCALE	1/8"=1'-0"
PROJECT MANAGER		SHEET	OF
DESIGNED			

A-A-79



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND NUMBERING OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-1-81
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBCONTRACT DRAWINGS
5. ALL TRENCH HEADERS TO BE PREPHOOTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONTRACTOR AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PREPHOOFING.
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATIONS AND TOPS OF SLAB DEPRESSIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO CEILING OR SOFFITS ARE CALLED FOR, SLAB SOFFIT IS TO BE PAINTED. STEEL MEMBERS (COLUMNS, BEAMS, ETC.) BELOW ELEVATION OF +12'-0" A.F.F. AND DECORATIVE WALLS BELOW +12'-0" ABOVE FINISHED FLOOR TO BE FIREPROOFED AND PAINTED. FOR EXTENT OF FIREPROOFING AND CLEARANCE OF FULL HEIGHT PARTITIONS SEE ARCHITECTURAL SECTIONS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

1/8"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING No.	1-1-66
	8-20-71	A-276 LJL
		A-269 LJL
	8-13-71	A-104 DBL
	11-8-70	A-98 LJL
	1-30-70	A-93 LJL
	1-28-69	A-91 RZ
	5-22-68	A-77 RLP

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PROJECT DIRECTION, COORDINATION

TITLE: 48TH FLOOR PLAN

DRAWN | CHECKED | SCALE: 1/8"=1'-0" | DATE | PROJECT NUMBER | DRAWING NUMBER: A-A-30

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND IDENTITIES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR COMPLETE 1/8" SCALE, FLOOR PLAN SEE DRAWING A-2.1-80
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS, SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A.S.D.-206 AND A.S.D.-205.
6. ALL TRENCH HEADERS TO BE RE-ENFORCED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A REINF. MESH TYPE OF REINFORCING SEE ON CONTR. TYPICAL SPECIFICATIONS FOR TYPE. ELECTRICAL ENGINEERS & CONTRACTORS SHALL BE RESPONSIBLE FOR LOCATION & EXTENT OF TRENCH HEADERS & RE-ENFORCING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. SECURITY DESK DIMENSIONS AS SHOWN & TYPICAL DWG DIFFERS AT EACH LOCATION. ACCESS DOORS TO BE PROVIDED WHERE REQUIRED FOR MAINTENANCE OF THE PIPING & DUCTWORK. DETAILS ON DRAWING A-2.40-01.
9. WHERE OR PARTITIONS CEILINGS ARE CALLED FOR, THEY ARE TO CONCEAL SPRINKLERS ETC. SECTION ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE ADEQUATE CEILING INSTALLATION AND CLEARANCE FOR SPRINKLER SYSTEMS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——————
11. CANTS ARE REQUIRED ON ALL BEAM PARTITIONS OVER 24" NOMINAL (2'-0" ACTUAL) DIMENSION IN ELEVATION. CANTS ALSO SHALL BE PROVIDED AT ALL PARTITIONS OVER 72" LONG. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A0-206 TO A-A0-212.

COL. 901 — COL. 903

COL. 905 — COL. 902 & 907

COLUMN DETAILS
SCALE 1/2"=1'-0"

CORRIDOR
OVER CEL. (-0'-6")

ELEV. LOBBY
OVER CEL. (-0'-6")

NOTE: FOR DETAILS DIMENSIONS FINISHES & SLAB SEE A-2.40-01 SECTION & ELEVATION LOBBY DETAILS DWG. # A-2.3-216

STAIR #1
STAIR #2

A.C. PLENUM

CONTRACT NO. DRAWING dated 5-1-68

			1-10-70	A-81	L.L.
			1-30-70	A-87	L.L.
			5-29-69	A-0	R.C.
			5-29-69	A-31	L.L.
5-29-68	A-376	L.L.	5-23-69	A-26	R.P.
	A-865	L.L.	5-23-69	A-17	R.P.
6-18-71	A-864	R.B.L.	5-23-69	A-23	R.P.
11-6-70	A-109	L.L.	5-4-68	A-40	D.G.
5-28-70	A-78	L.L.	5-10-68	A-6	D.G.

NO. DATE DESCRIPTION BY — REVISIONS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED: CHIEF, PLANNING DIVISION — DATE

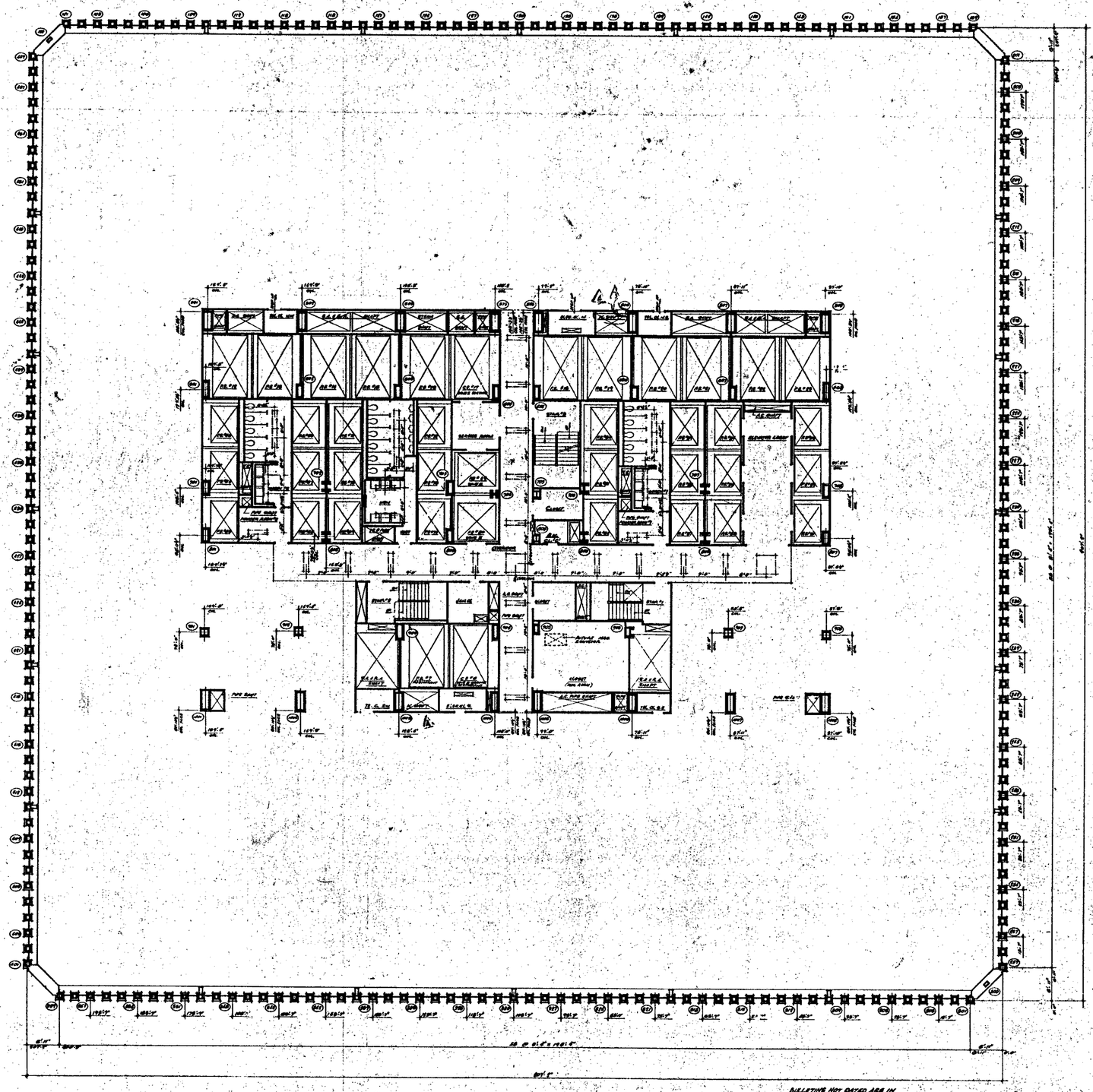
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES & FOUNDATIONS

TITLE: 40TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0" — DIRECTION:
DRAWN: — DATE: 7-21-67
PROJECT SUPERVISOR: — DRAWING NO. OF
DRAWING NUMBER: A-A-81



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL & SYMBOLS ABBREVIATIONS, FLOOR DESIGNATION SYSTEM, DRAWINGS AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.01 TO A-0.08
2. FOR CONCRETE PARTITIONS AND WALLS SEE DRAWING A-0.04
3. FOR CORE DRAWINGS SEE DRAWING A-0.05
4. ALL ELEVATOR SHAFTS (TYPICAL) ARE TO BE READY FOR PAINTING FROM BOTTOM TO TOP.
5. FOR MECHANICAL AND ELECTRICAL EQUIPMENT SEE MECHANICAL DRAWINGS.
6. ALL TRENCHES REQUIRED TO BE PENETRATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONDUITS AND CONTRACTORS DRAWINGS FOR LOCATIONS AND EXTENT OF TRENCH HEADER AND PENETRATIONS
7. CONDUITS AND TRUNK DUCTWORK LAYOUTS AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
8. PARTIAL PLANS, ELEVATIONS AND TYPICAL OF SLABS, ELEVATORS AND CORES UNDERSIDE SUBJECT TO NOTES UNDER CONSTRUCTION
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FIRE & HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION
CONTRACT NO. DRAWING SUB. 2.1-2a

NO.	DATE	SUBJ. NO.	BY
1	6-18-71	A-66	GBL
2	6-18-71	A-65	GBL
3	7-26-70	A-99	LA
4	5-25-67	A-17	Amdt.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD ROTH — STATE OF NEW YORK

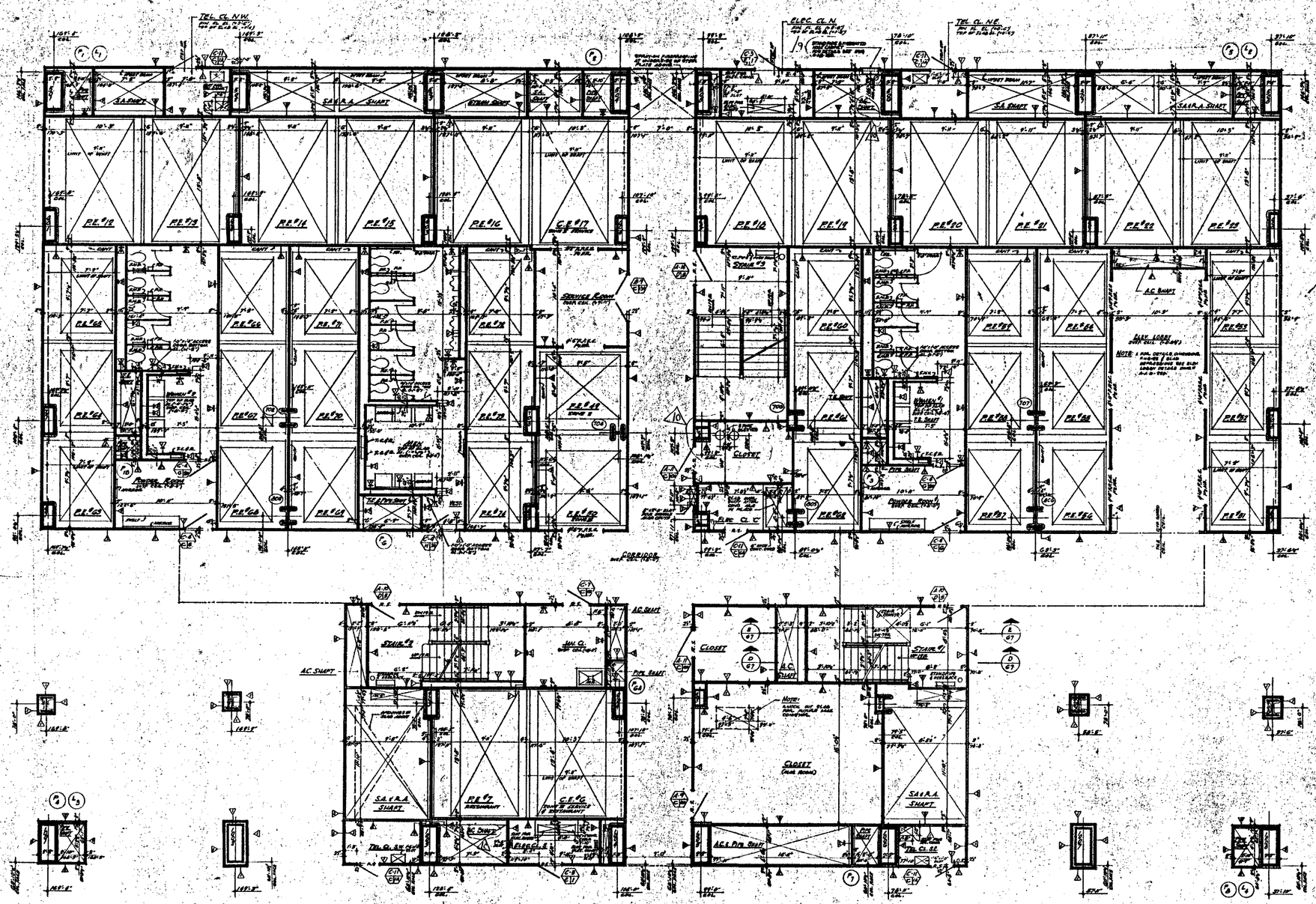
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — SANITARY ENGINEERS	THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 49TH FLOOR PLAN

DRAWN: — CHECKED: —
SCALE: 1/16"=1'-0" — DATE: 7-31-67
PROJECT NUMBER: — SHEET NO.: —
DRAWING NUMBER: A-A-82



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PAVING DETAILS, DOOR SCHEDULE AND SCHEDULE OF DRAWING SEE DRAWINGS A-1-01 TO A-1-06
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-A-05
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO PAVING DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-A.6-206 & A-A.6-306
6. ALL TRENCH HEADERS TO BE FIELD-COPED AT WORK FACE OF SLAB FOR A WIDTH OF 4'-0" WITH A 1/2"-ON TYPE OF FIRE-PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIRE-PROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'-0") ONLY & DIFFERENCE BETWEEN AS 10"-0".
8. PLUMBER SHALL DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES, TO BE LOCATED IN ACCORDANCE WITH TILE CUTTING. SEE TYPICAL TOILET DETAILS DWG. A-A.6-306
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EACH OF THE CLOSETS, STAIRS, PIPE SHAFTS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 10'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOOR
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE MEASURED ON ALL BEAM PROJECTIONS OVER 12" MINIMUM (6" NATURAL) DIMENSION IN ELEVATION, CANTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.6-306 TO A-A.6-312.

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

NO.	DATE	DESCRIPTION	BULL. NO.
8	8-18-71	A-166	GBL
7	6-18-71	A-145	GBL
6	1-30-70	A-51	E.C.
5	1-30-70	A-48	L.L.
4	1-30-70	A-47	E.C.
3	5-15-69	A-31	Elect.
2	5-15-69	A-16	Elect.
1	5-15-69	A-17	Elect.
0	8-1-68	A-10	P.C.
	11-27-68	A-2	P.C.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED — CHIEF PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

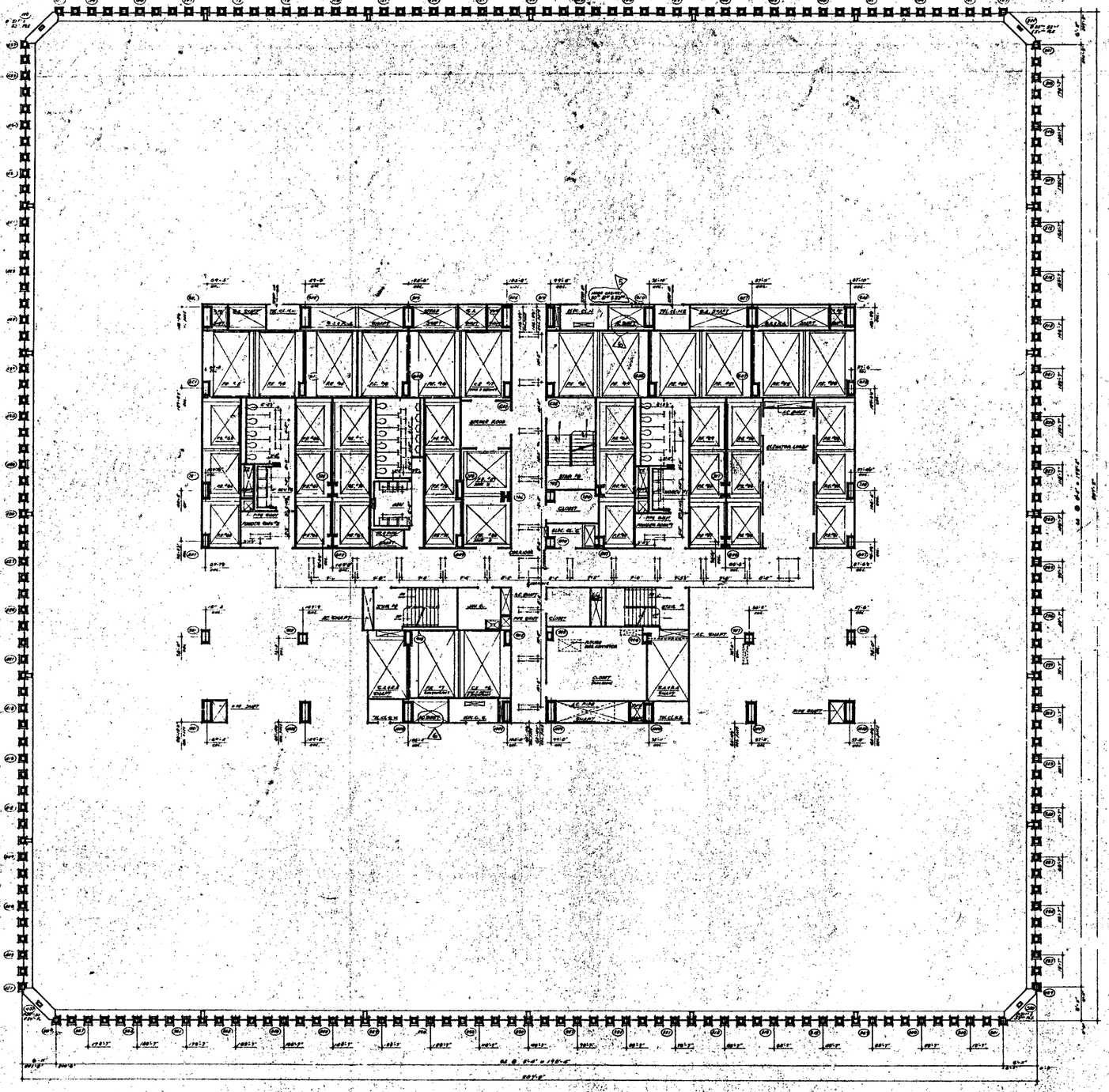
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR CORE PLAN

1/8"=1'-0"

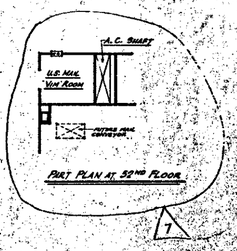
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-30-69
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER			A-A-83



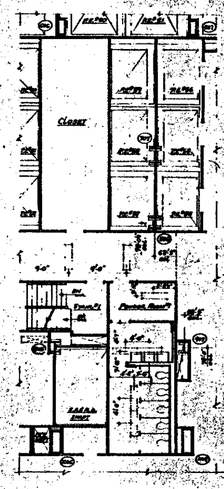
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLANS, SCHEDULES, DOOR, WINDOW AND HARDWARE SCHEDULES SEE DRAWING # A-01.1 TO A-01.5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SERIES CORE DRAWINGS # A-2.02
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE RELATIVE TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL CURVES SEE STRUCTURAL ENGINEERS DRAWINGS
5. ALL TERRAZZO FLOORS TO BE DIAPHRAGMED AT UNDERSIDE OF SLAB FOR A DEPTH OF 1'-0" WITH 1/4" BRASS OR TYPE PROTOGRAPHIC. SEE ARCHITECTURAL PRINCIPAL SHOP TYPE AND ELECTRICAL ENGINEER'S AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF STRUCTURAL MEMBERS AND REINFORCING.
6. DIVISION AND TOILET PARTITIONS ARE NON-BEARING. SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF MAIN SUPERVISORY DECK (+0'-0") ACCESS THEREDOR SHOWN AS NOTED
8. WORK TO BE REMOVED (DEMOLISHED) AND SALVAGED FOR RE-USE OR DISPOSAL AS DIRECTED BY THE ARCHITECT. ALL OUTLETS FROM RACEWAYS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING
9. INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____



PART PLAN AT 52ND FLOOR



PART PLAN AT 54TH FLOOR

BULLETINS NOT DATED ARE IN THE PERIOD OF COMPLETION

CONTRACT NO. DRAWING Date 6-1-68

NO.	DATE	DRAWING NO.	BY
		REVISIONS	
1	6-18-71	A-1.20	C.J.L.
2	6-18-71	A-1.02	C.B.L.
3	6-18-71	A-1.03	C.B.L.
4	11-8-70	A-1.02	C.J.L.
5	7-22-70	A-2.02	C.J.L.
6	5-22-69	A-1.7	D.L.
7	2-1-68	A-1.7	D.L.B.

NO.	DATE	DRAWING NO.	BY
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 5 10 15 20

TITLE: 50TH TO 54TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-30-68
PROJECT NUMBER	7.1	SHEET	
DRAWING NUMBER			A-A-84

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF GLAZING SEE DRAWINGS A2-001 TO A2-005.
2. FOR COMPLETE 3/8" SCALE PLANS, YEAR SEE DRAWING A2-101 TO A2-104
3. ALL ELEVATIONS SHOWN THUS (12'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LIGHTS SEE RESPECTIVE SPECIALTY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG'S A2A5-004 & A2A5-005
6. ALL TRENCH HEADERS TO BE FIREPROOFED AS UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL ENGINEERS & CONTRACTORS EMPLOYMENT SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB REFERENCE ARE (12'-0") UNLESS OTH ERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT BOTH MEN AND WOMEN'S TOILETS. SOAP DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTRACTS. SEE TYPICAL TOILET DETAILS DWG'S A2A5-006 ETC.
9. WHERE NO SUSPENDED CEILINGS (AS SHOWN ON, ABOVE AS CLOSETS, STAIR ENCLOSURES ETC.) EXPOSED SURFACES OF ALL PIPES AND DUCTWORK SHALL BE PAINTED AT 12'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION. SAME ELEMENTS OF STEEL, ABOVE CEILING.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. DUCTS ARE ARRANGED SO AS TO PASS BEAMS WITHIN 9" OF FINISH CEILING (STRADDLE) SOME DUCTS ARE ARRANGED TO PASS BEAMS WITHIN 18" OF FINISH CEILING. SEE TYPICAL DETAILS
12. FOR PROPORTIONS OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A2A5-006 TO A2A5-010

PART PLAN AT 52nd FLOOR

PART PLAN AT 54TH FLOOR

CONTRACT NO.	DRAWING	date 3-1-68
	1-30-70	A-61
	3-30-70	A-68
	9-30-70	A-71
11-12-74 A-516	5.23.69	A-51
6-25-71 A-301	5.23.69	A-56
9-16-71 A-170	5.23.69	A-19
6-28-71 A-502	5.23.69	A-63
8-28-71 A-165	11-1-68	A-7
9-1-71 A-155	8-1-69	A-10
11-5-70 A-106	4-17-68	A-4

REVISIONS

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

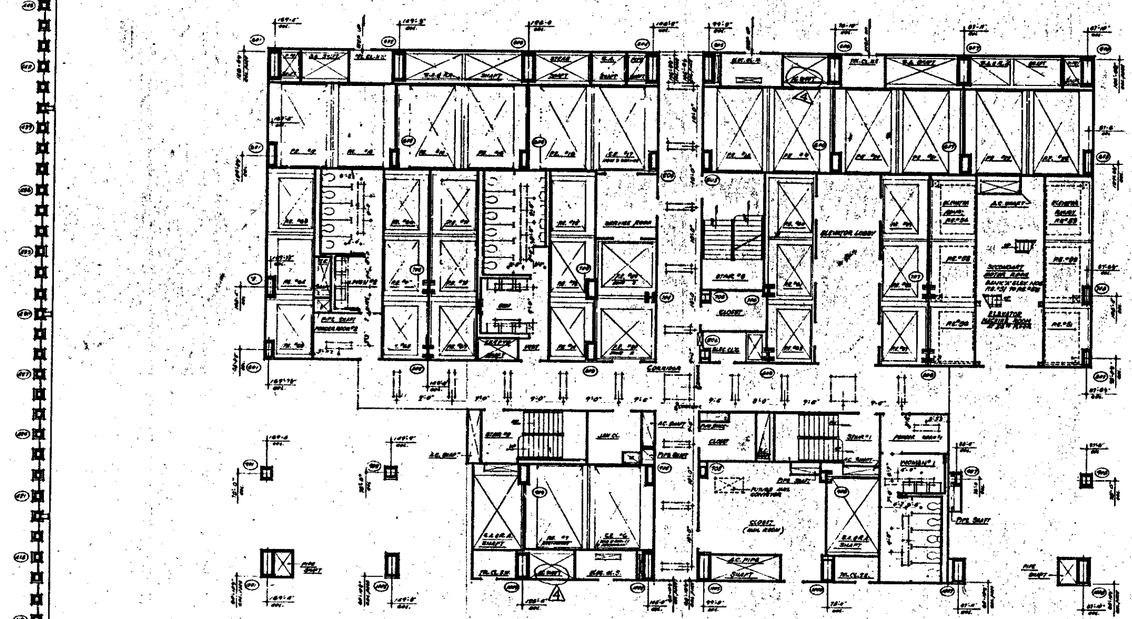
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

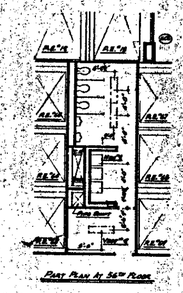
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
CIVIL, UTILITIES, FOUNDATIONS

TITLE: 50TH TO 54TH FL. CORE PLAN

DESIGNED		DRAWN	
TRACED	7-1-70	DATE	7-1-70
APPROVED		SCALE	1/16"
PROJECT NUMBER		SHEET NUMBER	A-A-65





PART PLAN AT 56TH FLOOR

NORTH

Note

1. FOR GENERAL NOTES, SEE "TYPICAL FLOOR PLAN".
2. FOR CONCRETE SLAB DEPTHS AND STEPS AT CORE AREAS SEE STRUCTURAL DRAWINGS.
3. ALL ELEVATIONS SHOWN THUS +12'-0" ARE IN RELATION TO DATUM.
4. FOR MECHANICAL AND ELECTRICAL SERVICES SEE APPROPRIATE DRAWINGS.
5. ALL TRENCH HEADERS TO BE ENCLOSED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A GRAY-PAN TYPE REINFORCING BY CONTRACTORS SPECIALTY SUB FOR TYPE AND ELECTRICAL DIAMETER AND CONFORMING TO APPROVED SHOP DRAWINGS FOR LAYOUT AND DETAILS OF TRENCH HEADERS AND PARTITIONING.
6. CORRIDOR AND TOILET LIGHTING CONTROL BY CONTRACTOR FOR ALL BASIC LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (UNLESS OTHERWISE SHOWN) NOTED.
8. STORES AND SUPERVISORS CLOSETS ARE UNSUITABLE FOR PLUMBING IN CLOSET; STAIR, PASSAGE ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS, TO ANTICIPATE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING Date 12-1-68

NO.	DATE	SUB. NO.	BY
1	6-18-70	A-84	G.L.
2	11-6-70	A-98	L.L.
3	1-30-70	A-69	E.C.
4	5-25-69	A-17	Amend

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECT
HIRSEN YAMASAKI / ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

NORTHWESTERN, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

55TH & 56TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	12-1-68
PROJECT NUMBER		SHEET	OF
DRAWING NO.			A-A-86

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-1.01 TO A-1.05.
2. FOR COMPLETE 55TH SCALE FLOOR PLAN SEE DRAWINGS A-1.4-2.6.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. #1.A6-2.A4 & A6-2.A5.
6. ALL TRENCH HEADERS TO BE FURRED-IN AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A 5/8" GYP. BD. TYPE OF FURRING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER & FURRING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMBING SHOP DRAWINGS TO INDICATE LOCATION OF SOAP DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY; ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE BREAKING SEE TYPICAL TOILET DETAILS DWG. #A6.2.A5.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, VESTIBULES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. EXPOSED CONCRETE REQUIRED ON ALL SOFFIT, FACE OF BEAM, FACE OF STRUCTURAL SUBWALL IN MECHANICAL SPACES SHALL BE FINISHED TO A MEDIUM HIGH RUBBING. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FIRE STAIRS, TOILETS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6.2.A4 TO A-A6.2.A6.

BULKHEAD NOT DETAILED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date 8-1-66	
	1-30-70	A-S1	E.C.
	1-30-70	A-S8	L.L.
	1-20-70	A-S9	L.L.
	5-25-67	A-S1	Rev.
	5-25-67	A-S6	Rev.
	5-25-67	A-S7	Rev.
	5-25-67	A-S5	Rev.
	11-1-68	A-7	M.M.
8-2-67	A-1.64	Old	1-2-68	A-10	D.B.
8-2-67	A-79	S.H.	1-22-68	A-2	D.B.

NO.	DATE	REVISIONS	BY
2.	DATE 1 WILL NO.		BY

NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

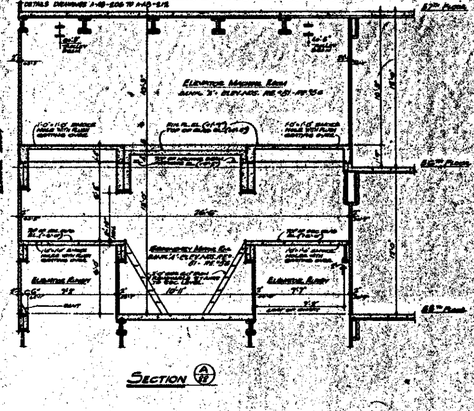
TITLE: 55TH FLOOR CORE PL. 1

		CHK'D	
DRAWN		DATE	7-25-67
SCALE	1/16"=1'-0"	1/32"	
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-87		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF HARDWARE SEE DRAWINGS A-0.1 TO A-0.6
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING A-1.A-86
3. ALL ELEVATIONS GIVEN THUS ('101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE EXPEDITING DRAWINGS PREPARED.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-4.A-0.-204 & A-4.A-0.-205
6. ALL TRENCH HEADERS TO BE FURRED-DOWN AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (99'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. PLACE TOWEL DISPENSERS AT MEN AND WOMENS' TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO RECEPTACLES TO BE LOCATED IN ACCORDANCE WITH THE COVERING SEE TYPICAL TOILET DETAILS DWG. A-4.A-0.-214.
9. PROVIDE NO EXPOSED CEILINGS AND CLEATS FOR, EACH AT IN-CLOSETS, STAIR, ELEVATOR ETC.; BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-3" ABOVE FINISHED FLOOR, TO PROVIDE FOR POSSIBLE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: ———
11. CONTROL JOINTS: ARRANGED ON ALL SLABS PROJECTING OVER 50'-0" MINIMUM (ACTUAL) DIMENSION IN ELEVATION, JOINTS SHALL BE MINIMUM 1/8" WIDE AND SHALL BE SPACED AT 30'-0" MAXIMUM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FIRE RESISTIVE COLUMNS AND TYPICAL PARTITION DETAILS SEE TYPICAL DETAILS DRAWINGS A-4.B.-206 TO A-4.B.-215



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

	CONTRACT	BID	DRAWING	date 4-1-68	
			1-24-70	A-38	LJ
			1-30-70	A-47	LJ
			2-25-69	A-34	DL
			2-25-69	A-36	DL
			2-25-69	A-17	DL
			9-25-69	A-25	DL
6	6-8-71	A-84	11-1-68	A-15	MR
5	11-6-70	A-44	8-1-68	A-10	DBL
4	2-3-71	A-72	2-27-68	A-8	DB
3	10-2-70	A-81	5-15-68	A-9	DL

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

REGISTERED ARCHITECT RICHARD ROTH NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, SITEWORK/FOUNDATIONS

½"=1'-0"

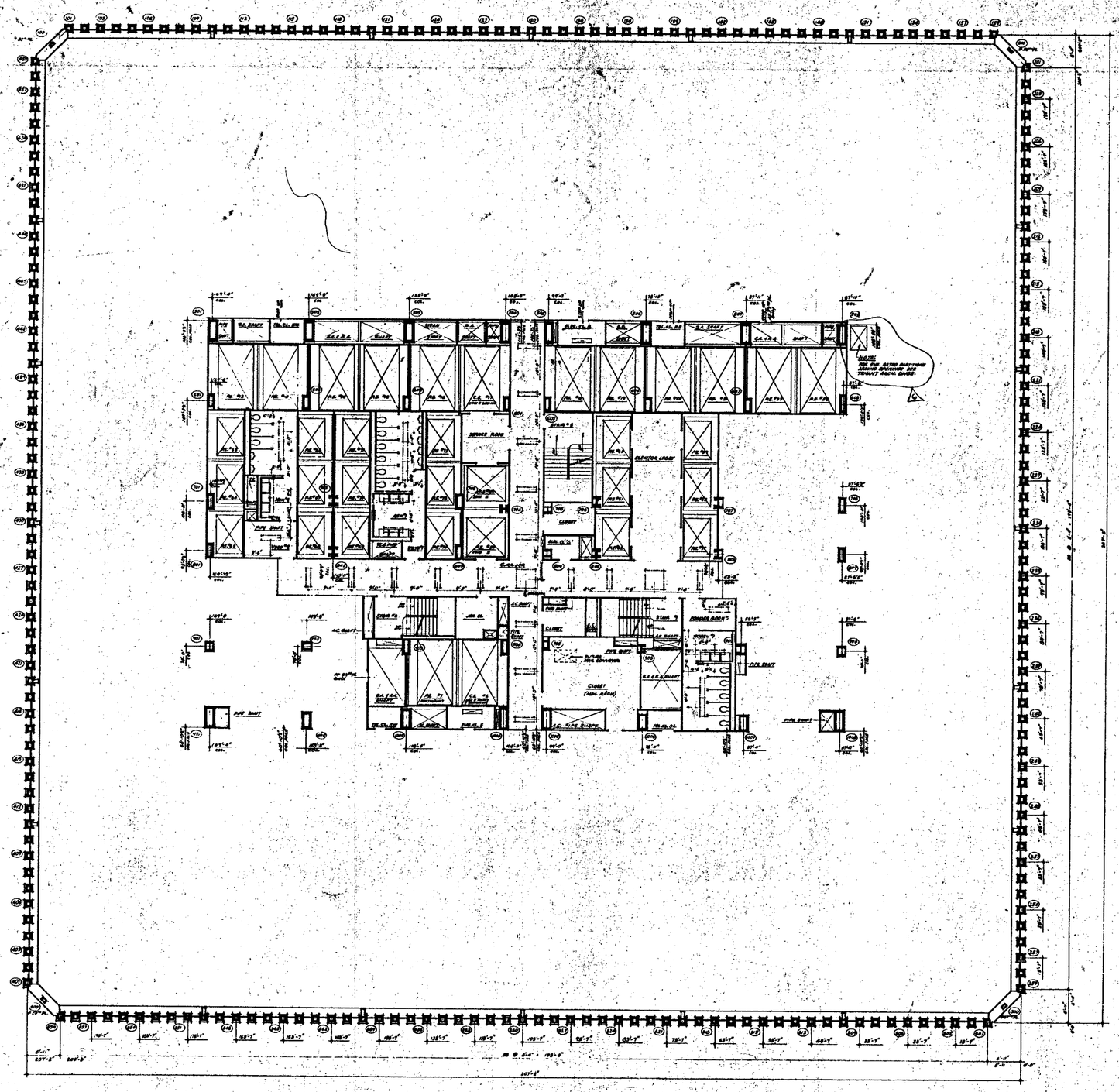
TITLE: 56TH FLOOR CORE PLAN

DRAWN | CHECKED

SCALE: ½"=1'-0" | DATE: 7-8-67

PROJECT NUMBER | SHEET NO.

DRAWING NUMBER: A-A 88



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PAINT SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-1.11 TO A-1.16
2. FOR COMPLETE DIMENSIONS AND NOTES IN THIS AREA, SEE 50' SCALE CORE DRAWING # A-2.10.
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND REMOTELY CONTROLLED DEVICES SEE MECHANICAL SPECIFICATIONS AND ELECTRICAL SPECIFICATIONS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND DETAILS OF THESE ITEMS. ALL EQUIPMENT TO BE APPROVED BY ARCHITECT AND ENGINEER.
5. EXPANSION AND CONTROL JOINTS ARE SHOWN FOR ALL STATE LIGHTING AND ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, C.I.R. AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 4'-0" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE RECORDS AT COMPLETION

CONTRACT AND DRAWING Nos. 5-2-66

NO.	DATE	SUBJ. NO.	BY
4	6-30-71	A-171	L.J.
3	6-8-71	A-AM081	L.J.
2	11-6-70	A-106	L.J.
1	1-30-70	A-93	E.C.
3	5-25-67	A-17	[illegible]
2	5-18-66		L.M.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

57th & 58th Floor Plan

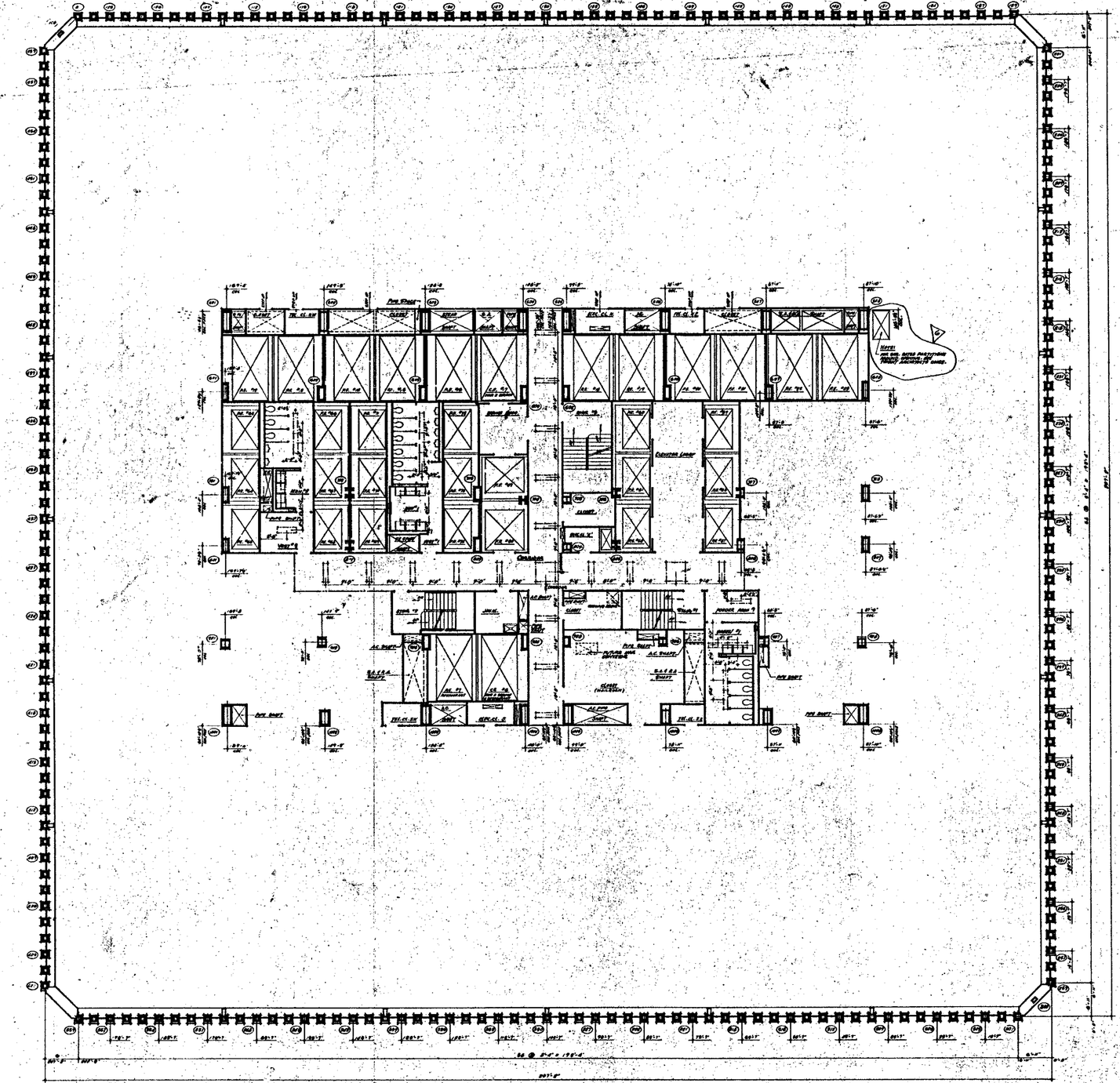
DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-30-69
PROJECT LEADER		APPROVED	
DESIGNED		DATE	

A-A-89

NORTH

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF PARTITIONS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE "G" MODULE FLOOR PLAN SEE DRAWING A-A-89.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL FLOOR DETAILS SEE DWG. A-A-A-



North

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE DIMENSIONS AND NOTES SEE CORE AREA REF. & SHELF AREA DRAWINGS A-4.10
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE + OR - BELOW TO FINISH FLOOR.
4. FOR MECHANICAL AND SERVICING LAYOUTS SEE RESPECTIVE DRAWINGS
5. ALL TRENCH HEADERS TO BE PROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRAIGHT RUN TYPE PARTITIONS. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PARTITIONING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL ENGINEER AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, JOHN PHILLIPS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR, CEILING AS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING dwg. 6-7-66

NO.	DATE	DWG. NO.	BY

REVISIONS

NO.	DATE	DWG. NO.	BY
4	6-24-71	A-171	L.J.
5	8-19-71	A-164	O.B.L.
11	11-6-70	A-165	L.J.
1	1-30-76	A-63	E.C.
2	2-23-76	A-17	L.W.
3	5-18-76		L.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR PLAN

ENGINEER		DRAWN	
SCALE	1/16"=1'-0"	DATE	1-31-67
PROJECT ENGINEER		CHECKED	
PROJECT MANAGER		QUANTITY	

A·A·91

NORTH

NOTES

1. FOR GENERAL NOTES, PLAN TO INCLUDE ALL STRUCTURAL ABBREVIATIONS, FINISH SCHEDULES, DOOR, TRANSOM AND FRAME SCHEDULES OR DRAWINGS FOR "A" SERIES SEE DRAWING A-1.0 TO A-1.3.
2. FOR COMPLETE "A" SERIES FLOOR PLAN SEE DRAWING A-4.0-M.
3. ALL ELEVATIONS GIVEN ARE (U.S.C.&G.S.) AND IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWING NUMBERS.
5. FOR TYPICAL WALL DETAILS SEE DWG. 10.1.0-SK2 AND 10.1.0-SK3.
6. ALL TRENCH HEADERS TO BE FACEPLATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A GALV. OR TYPE OF FACEPLATING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE ELECTRICAL ENGINEER'S CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FACEPLATING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+9'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SHAFT DEPRESSIONS AT MEN AND WOMEN'S TOILETS, AS REQUIRED AT EACH LOBBY ACCESS ZONES TO ENSURE UNIFORM FINISH TO BE CLOSELY COORDINATED WITH TILE CONTRACTOR SEE TYPICAL DETAILS DWG. 9.4.0-SK1.
9. WHERE SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, ITEMS RECESSED ETC., SUITABLE ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED AT ALL BEAM FLANGE LINES 45° MINIMUM (1" AT FACE) RADIATING AT ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0-SK1 TO A-4.0-SK3.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 5-1-68		
—		11-8-70	A-105	L.L.
		6-9-70	A-98	A.M.
		3-6-70	A-87	E.C.
		1-30-70	A-83	L.L.
		9-3-69	A-67	E.C.
		5-12-69	A-31	N.S.
		5-12-69	A-15	N.S.
		3-21-69	A-17	N.S.
6-16-67	A-177	L.L.	8-1-68	A-40	D.S.
6-8-67	A-156	D.S.L.	3-13-68		J.V.L.

REVISIONS | REVISIONS

APPROVED

DIRECTOR OF ENGINEERING

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL/ELECTRICAL ENGINEERS

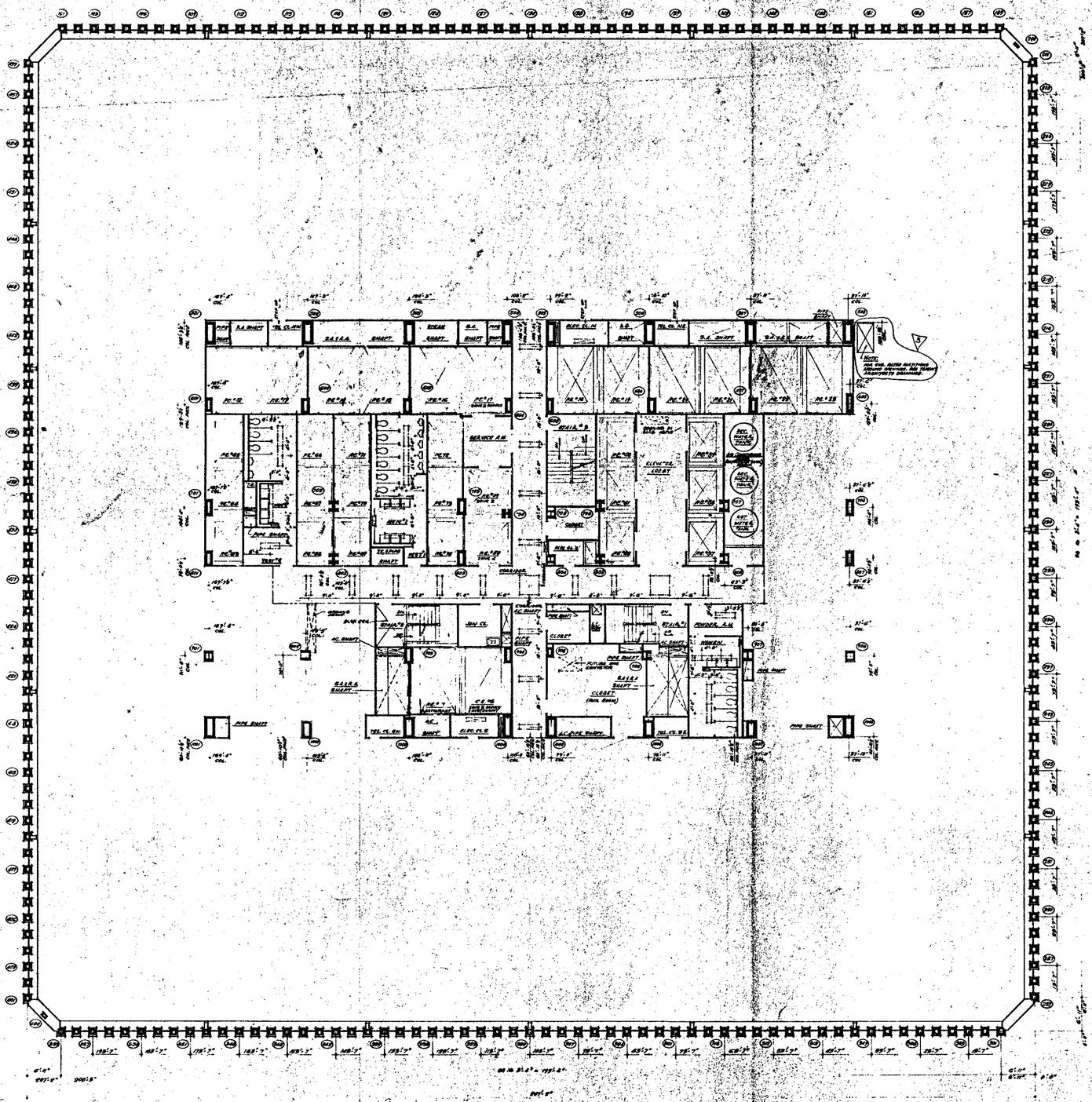
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR CORE PLAN

SCALE: 1/8" = 1'-0"

DRAWING NO. A-A-92



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLIC ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SYMBOLISM OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-9
2. FOR CORNER & PARAPETS AND WATER PIPING CORE, SEE 1/2" SCALE CORE DRAWING # A-A-98
3. ALL ELEVATIONS SHOWN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TELEPHONE RELAY RACKS (TRR) PREFABRICATED UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF FRENCH CLEATS AND PARAPETTERS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DETAILS.
7. FINISH FLOOR ELEVATION AND TYPE OF FLOOR CONSTRUCTION SEE (SHEET) UNLESS OTHERWISE SHOWN OR NOTED.
8. LINES TO BUSHINGS (SLEEVES) ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 6'-6" ABOVE F.F. LAND FLOOR, TO PROVIDE FOR FUTURE
9. CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETIN'S NOTE DATED ARE IN THE PROGRESS OF CONSTRUCTION

CONTRACT NO. DRAWING DATE 5-2-69

NO.	DATE	BUL. NO.	BY
4	6-24-71	A-177	L.L.
3	6-8-71	A-164	GBL
2	11-6-70	A-115	L.L.
1	1-20-70	A-69	T.V.
0	5-21-69	A-17	D.L.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED _____ CHIEF, PLANNING DIVISION DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

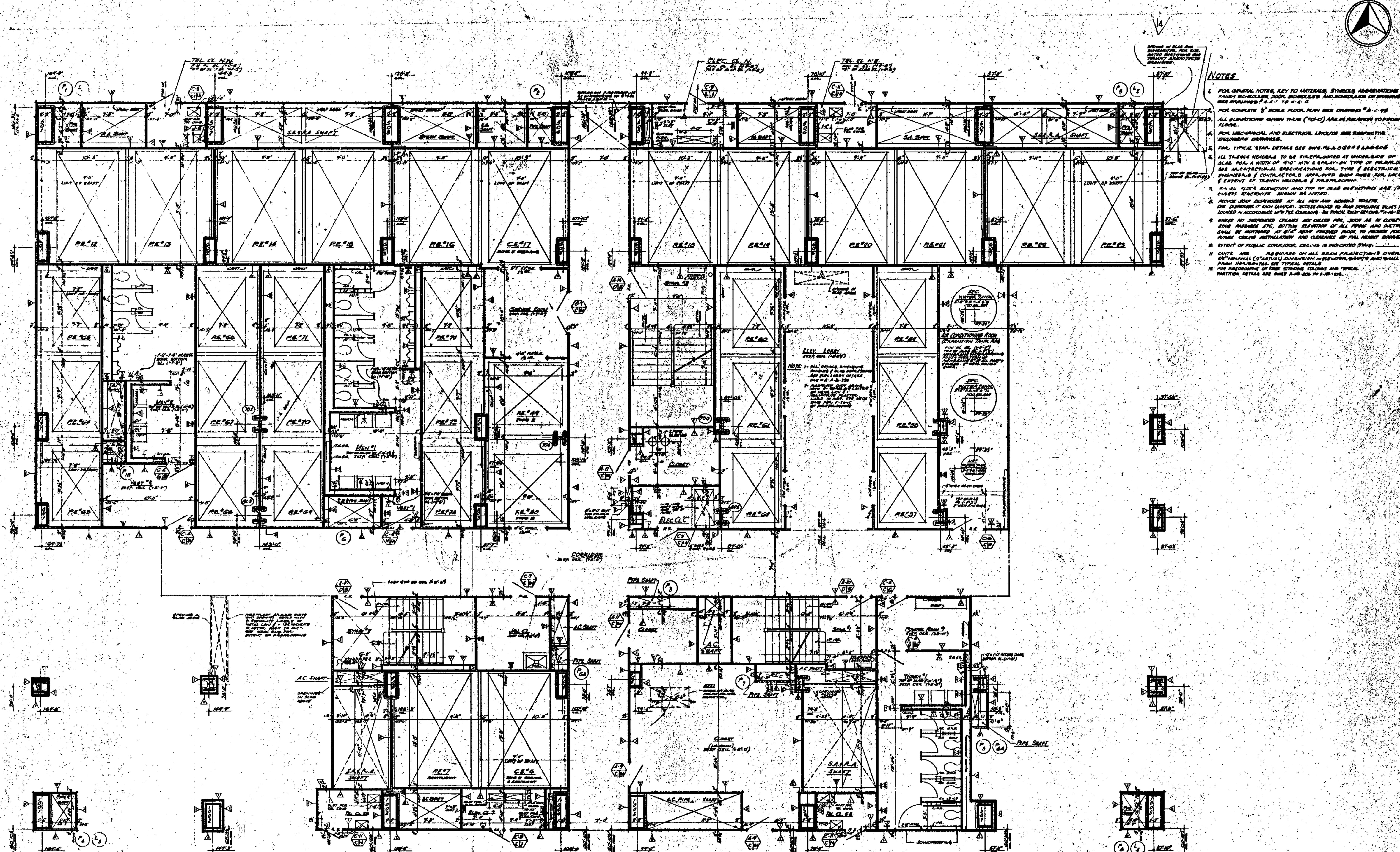
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, STRUCTURE, FOUNDATIONS

TITLE: 60TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	P. 24-69
PROJECT NUMBER		SHEET	OF
BUILDING NUMBER		DRAWING NUMBER	A-A-93



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-93
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # AA-B-204 & AAB-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET RET. DWG. # A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——·——
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS A-AB-205 TO A-AB-210.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-9-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				10	9-15-70	A-78	A.W.
				9	1-30-70	A-81	T.J.
				8	1-30-70	A-69	L.J.
				7	1-30-70	A-67	L.J.
				6	5.23.69	A-31	D.L.
				5	5.23.69	A-26	D.L.
14	8-26-71	A-177	L.J.	4	5.23.69	A-17	D.L.
13	6-15-71	A-164	D.B.L.	3	5.26.69	A-23	D.L.
12	4-1-71	A-125	[illegible]	2	8-1-68	A-10	D.G.
11	11-6-70	A-108	L.J.	1	4-26-68	A-2	D.G.
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD ROTH

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

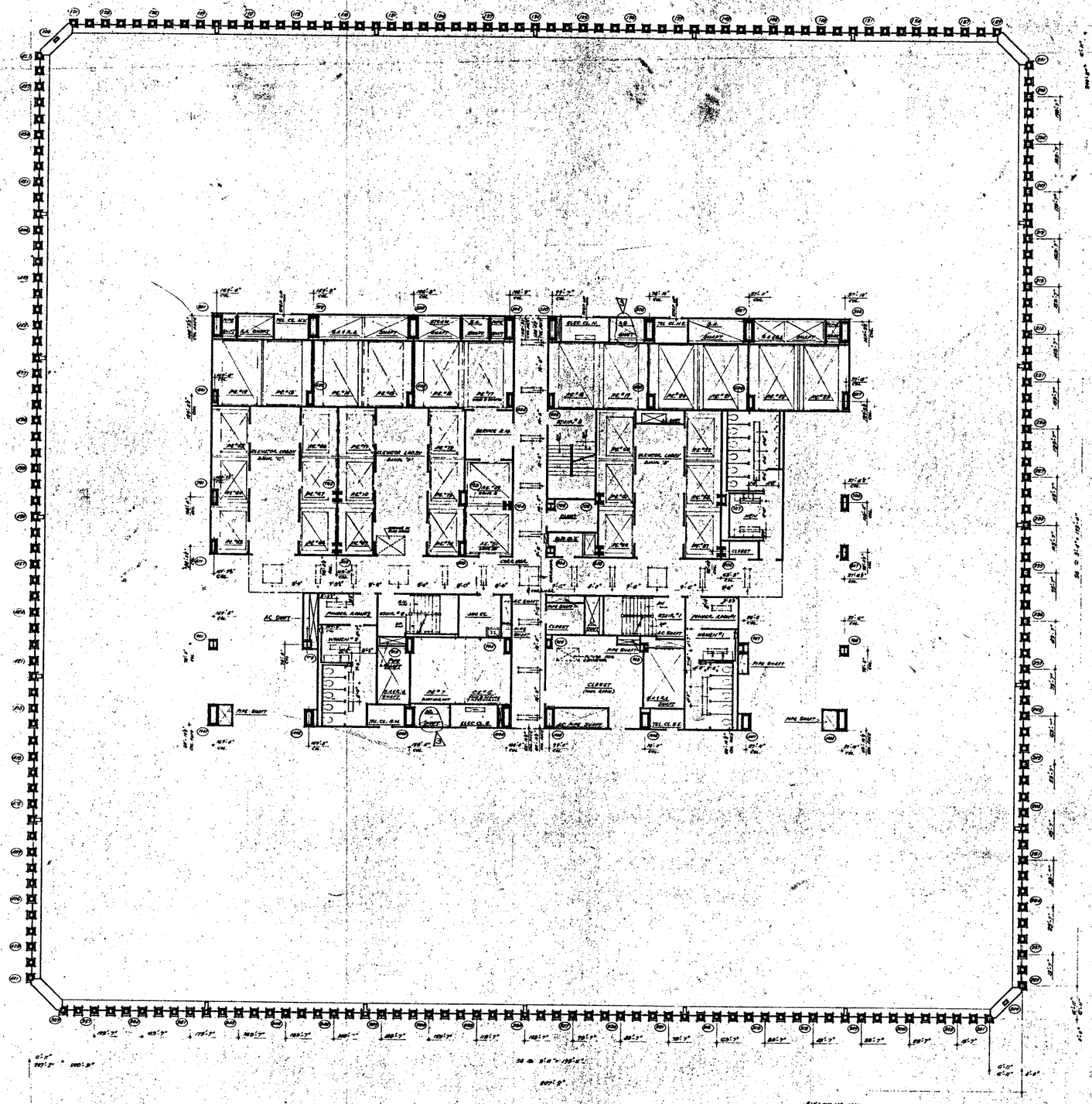
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4" = 1'-0" scale 0 2 4 6 8 10 feet

TITLE: 60TH FLOOR CORE PLAN

DRAWN | CHECKED
SCALE 1/4" = 1'-0" | DATE 5-31-67
PROJECT NUMBER | SHEET
DRAWING NUMBER A-A-94



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF HARDWARE, SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR CORNER'S DIMENSIONS AND WORK POINTS, SEE 1/8"=1'-0" SCALE CORE DRAWING A-2.1-95.
3. ALL ELEVATIONS GIVEN, THUS (+XX'-X"), ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT, SEE MECHANICAL & ELECTRICAL DRAWINGS.
5. ALL TENANT PARTITIONS TO BE FURNISHED & INSTALLED BY OTHERS UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR TYPE AND ELECTRICAL OUTLETS AND CONSTRUCTION ARRANGEMENTS FOR ACCESS FOR LAYOUTS AND DETAILS OF TENANT WORK, IN PREPARATION.
6. CORE DOOR AND FRAME DETAILS, LOCATIONS AS SHOWN ON ALL FLOOR LAYOUTS. SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TYPICAL FOR ALL FLOORS UNLESS OTHERWISE NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, TOILET ROOMS, ETC. BOTTOM ELEVATION OF ALL DUCTWORK AND CONDUITS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF 7'0" UNDER DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CANCELLATION

CONTRACT NO. DRAWING ADD. 11-1-66

NO.	DATE	DWG. NO.	BY
1	6-8-67	A-164	SBL
2	1-30-70	A-98	AS
3	6-16-69	A-17	PG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

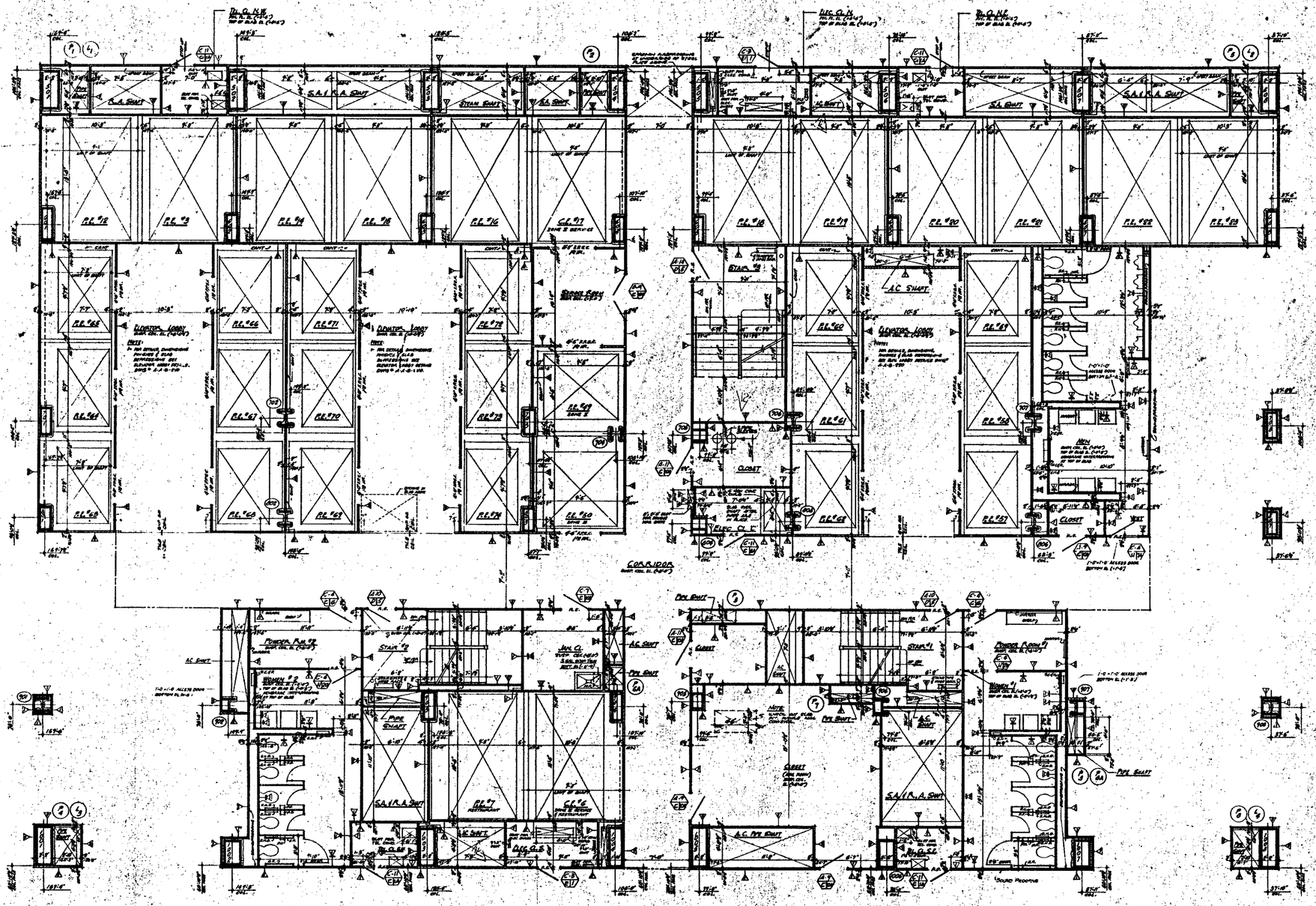
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PIERING, STABILIZED FOUNDATIONS

TITLE: 61ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NO.		SHEET	OF
DRAWING NO.		A-A-95	



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-1 TO A-4.0
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING # A-1-96
3. ALL ELEVATIONS GIVEN THUS (0.00') ARE IN RELATION TO MAIN FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-5.0-504 & A-5.0-506
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0.00') UNLESS OTHERWISE SHOWN OR NOTED.
8. PALOMAR SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG. # A-5.0-504.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES, ETC., BOTTOM ELEVATION OF ALL RAWL AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL SLAB PROJECTIONS OVER 6'0" HEIGHS. (6" ACTUAL) DIMENSION IN ELEVATION, SHAPE AND SKALL BE MINIMUM 2'0" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIRESTOPPING OF ALL FIRE STOPPING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-5.0-506 TO A-5.0-516.

BULLETIN (NOT LISTED HERE IN THE PROCESS OF COMPLETION)

CONTRACT NO. | DRAWING: DWG. # A-1-96

			2-6-70	A-78	A.H.
			1-30-70	A-81	A.S.
			1-30-70	A-83	L.V.
			1-30-70	A-87	E.C.
			6-15-68	A-51	D.G.
			6-28-68	A-80	D.G.
			6-15-68	A-17	D.G.
			6-13-68	A-93	D.G.
2	6-6-68	A-164	GBJ	2	6-1-68	A-10	D.G.
1	4-1-68	A-125		1	4-22-68	A-2	D.G.

NO. DATE DWG. NO. BY — REVISIONS — NO. DATE DWG. NO. BY — REVISIONS

APPROVED _____ CHIEF, PLANNING DIVISION DATE

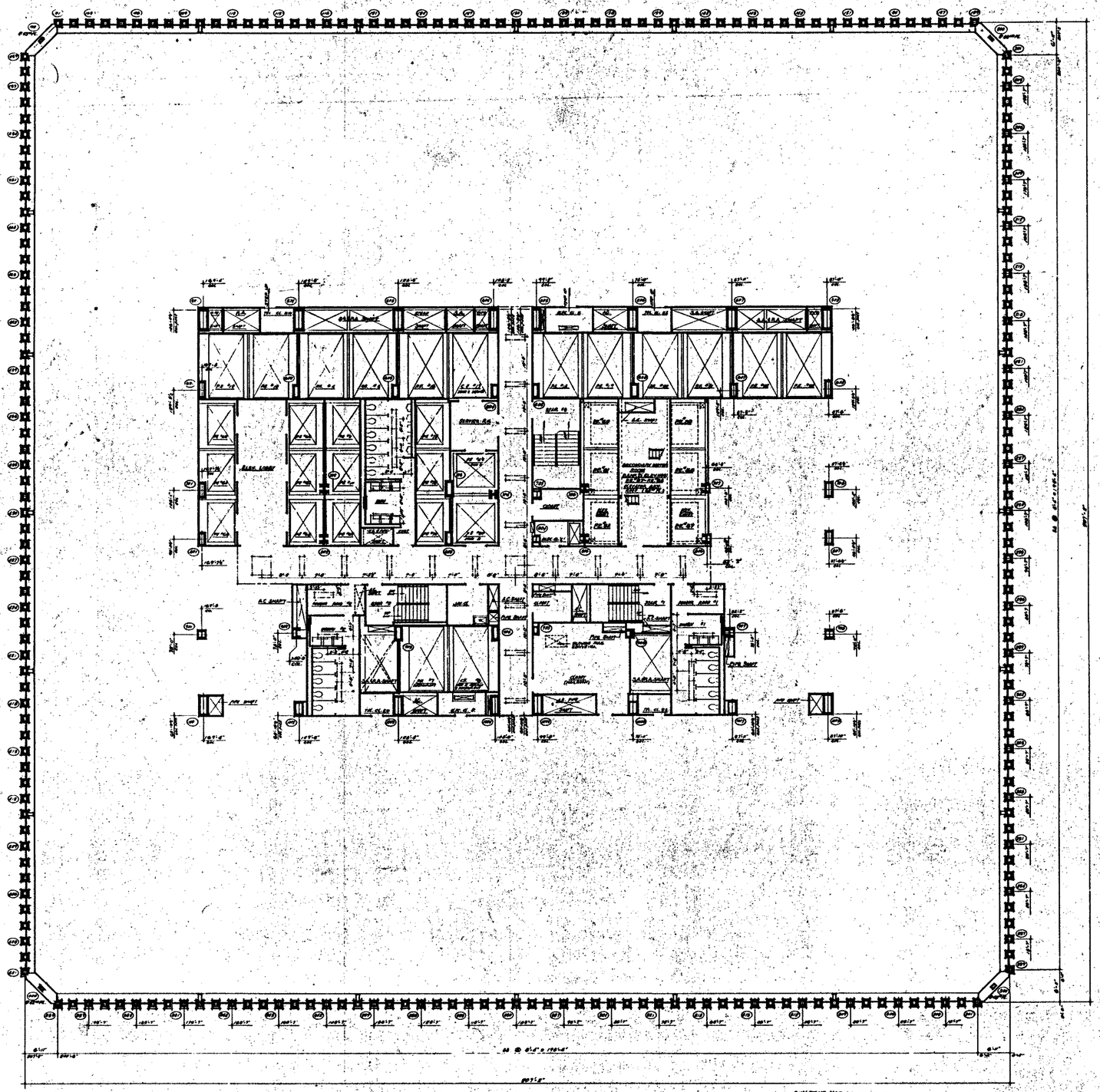
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — SOILS, FOUNDATIONS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

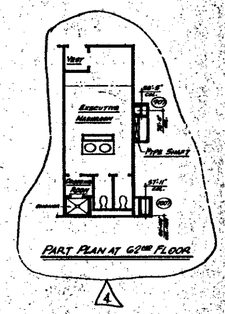
TITLE: 61ST FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	1-30-70
PROJECT MGR.		JOB NO.	
DRAWING NO.	A-1-96		



NOTES

1. FOR SHEAR WALL KEYS, SEE TYP. DETAILS, SHEETS, ARRANGEMENT, FLOOR ANCHORS, ETC., SPANDRELS AND BOUNDARY OF BALCONIES SEE DRAWINGS S-2.1 TO S-2.5
2. FOR CONCRETE SPANDRELS AND WALLS SEE SHEET S-3.1
3. FOR SLAB EDGE SPANDRELS SEE S-3.2 TO S-3.3
4. ALL ELEVATIONS ARE TOP OF SLAB, UNLESS OTHERWISE NOTED
5. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ARCHITECTS' DRAWINGS
6. ALL FINISH WORKS TO BE ARRANGED AT DIVISION OF BAYS BY A MODULE OF 5'-0" WITH A SMALL DIV. TYPE PARTITIONS. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONVECTORS AND CONTROLS APPROVED SHOP DRAWINGS FOR LOCATIONS AND ALTERATIONS OF FINISH WORKS AND PARTITIONS
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (FOR 61ST) UNLESS OTHERWISE SHOWN AS NOTED
8. NOTICE: NO SUSPENDED CEILINGS ARE UNDER PARTITIONS IN CLOSETS, STAIR ENCLOSURES, ELEVATOR SHAFTS, ETC. SECTION ELEVATION OF ALL FLOORS AND CONSTRUCTION SHALL BE MAINTAINED AT 9'-0" BELOW FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____



PART PLAN AT 62ND FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE 6-1-66

NO.	DATE	SHEET NO.	BY
4	6-21-71	A-17B	L.U.
3	6-8-71	A-16A	G.B.L.
2	1-20-70	A-15	A.P.
1	5-21-69	A-17	

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

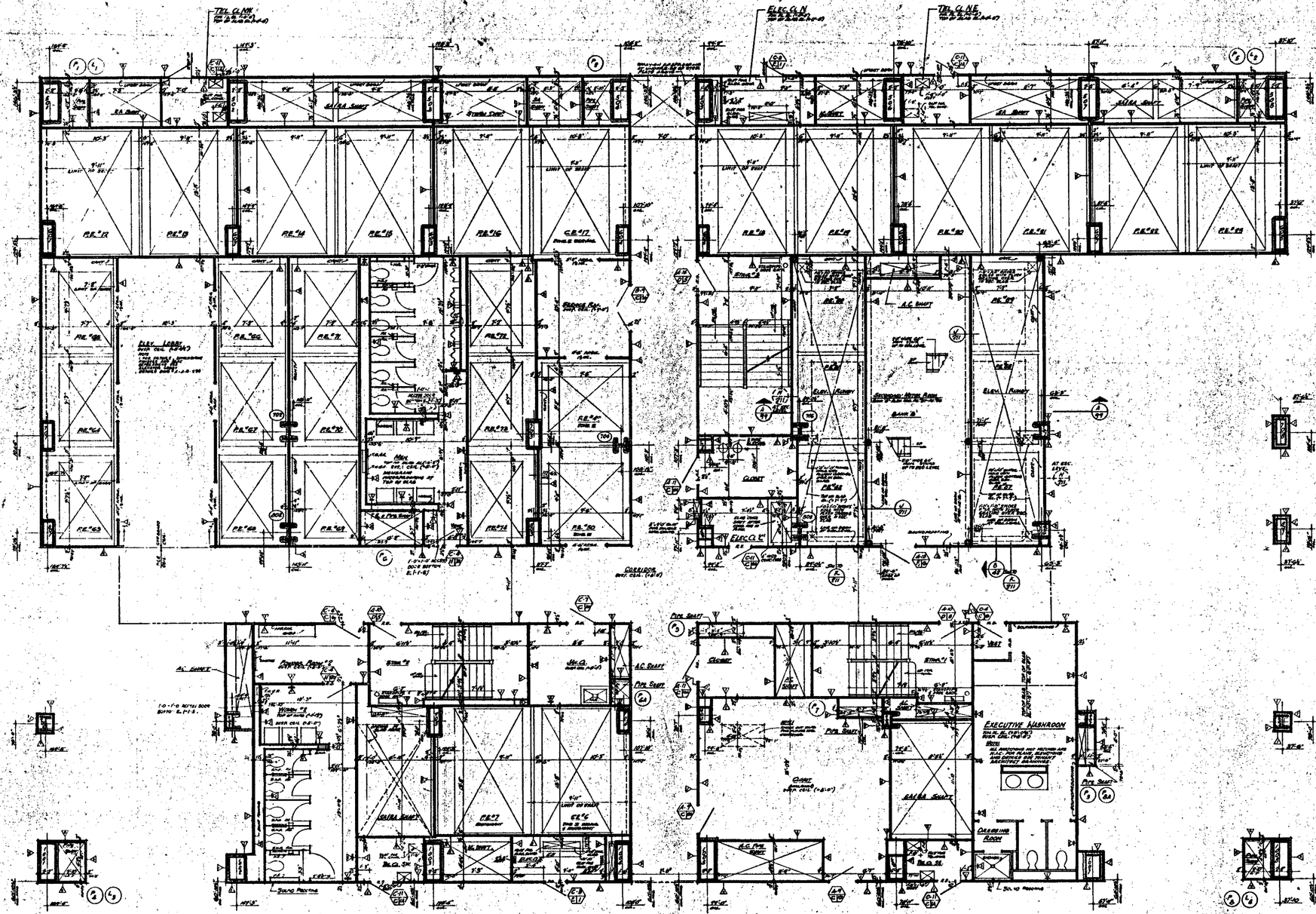
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 62ND & 63RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
PROJECT MANAGER			

A-A-97



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF WINDOWS SEE DRAWINGS "A-L 1" to "A-L 6".
2. FOR COMPLETE 'B' SCALE FLOOR PLAN SEE DRAWING "A-A-97".
3. ALL ELEVATIONS GIVEN THUS (62'-6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG 5.2.2-202 & 2.2.2-208
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A DEPTH OF 1'-0" TYP. OR AS INDICATED ON ARCHITECTURAL SPECIFICATIONS FOR TYPE 3 ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS & MANHOLES.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (62'-6") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS ONE DISPENSER IT EACH LAVATORY. ALSO PROVIDE SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE LAYOUTS FOR TYPICAL TOILET DETAILS DWG "A-A-2-1".
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL CONDUIT SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" MINIMUM (6" ATTAIN) DIMENSION IN ELEVATOR CORES TO BE AND GIVEN AS MEASURED FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIRESTOPPING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-2-1 TO A-A-2-5 E.A.

BUILDING NOT DATED ARE IN THE PROCESS OF CONSTRUCTION.

CONTRACT NO. DRAWING date 6-1-68

NO.	DATE	DWG. NO.	BY
	5-10-70	A-19	AAL
	1-30-70	A-21	AS
	1-30-70	A-23	LJL
	1-30-70	A-47	LJL
	5-25-61	A-21	Amb
	5-25-61	A-25	Amb
	5-25-61	A-17	Amb
	5-25-61	A-15	Amb
2	12-15-71	A 238	J.C.
1	5-26-71	A-178	L.J.
1	6-8-71	A-184	DDL

REVISIONS

NO.	DATE	DWG. NO.	BY
	6-17-68	A-2	DDL

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAYNE, STELLITEN, CONSULTANTS

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

TITLE: 62ND FLOOR CORE PLAN

SCALE: 1/16" = 1'-0" DATE: 7-26-67

PROJECT NUMBER:

DRAWING NUMBER: A-A-98

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A1 TO A-4-9.
2. FOR COMPLETE 9" SCALE FLOOR PLAN SEE DRAWING A-4-97.
3. ALL ELEVATIONS GIVEN THUS (50'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL DETAILS, DETAILS SEE DWGS #A-4-0-904 AND A-4-8-906.
6. ALL 17-INCH HEADERS TO BE FABRICATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 5'-0" WITH A SPACER ON TOP OF FABRICATING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPLICATION SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FABRICATING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (NOTED UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSERS WHERE TO BE LOCATED IN BULKHEADS WITH TILE COVERING, SEE TYPICAL DWG #A-4-8-904.
9. WHERE NO HAND GRIPS ARE CALLED FOR, DOOR AS IN CLOSETS, STORE ROOMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 6'-8" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEAVY DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____
11. UNITS ARE REMOVABLE ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (9" ACTUAL) PROJECTION IN ELEVATION, SHAPED AND SHALL BE MINIMUM 7/8" FURRING HORIZONTAL. SEE TYPICAL DETAILS
12. FOR TREATMENT OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-4-8-904 TO A-4-8-908

SECTION (A/97)

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID - DRAWING date 6-1-68

			1	1.30.70	A-89	E.J.
			1	1.30.70	A-97	E.C.
			1	5.25.68	A-91	D.L.
			1	5.31.68	A-86	D.L.
			1	5.23.68	A-17	D.L.
1	6-18-70	A-184	DEL	1	5.23.68	A-83	D.L.
1	6-18-70	A-168	DEL	1	11-1-68	A-91	D.L.
1	9-1-70	A-183		1	8-1-68	A-40	E.C.
1	8-18-70	A-78	E.H.	1	6-18-68	A-2	E.C.
1	1.30.70	A-91	A.S.	1	5-18-68		D.L.

REVISIONS | REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — No. 11,910

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 63rd FLOOR CORE PLAN

SCALE: 1/8"-1'-0" | DATE: 8-1-68

PROJECT NUMBER | SHEET NUMBER

A-A-99

DRAWING INDEX

L-A-1 — DRAWING INDEX

L-A-2 — ZONE I - PIT PLAN - BANKS A, B, C & D SHUTTLE & FREIGHT ELEVATORS

L-A-3 — ZONE I - RISER - BANKS A & B - SECONDARY & MACHINE ROOM PLANS

L-A-4 — ZONE I - BANKS C & D - SECONDARY & MACHINE ROOM PLANS

L-A-5 — ZONE I - ELEVATIONS - BANKS A, B, C & D

L-A-6 — ZONE II - PIT PLAN - BANKS A, B, C & D

L-A-7 — ZONE II - RISER - BANKS A & B - SECONDARY & MACHINE ROOM PLANS

L-A-8 — ZONE II - BANKS C & D - SECONDARY & MACHINE ROOM PLANS

L-A-9 — ZONE II - ELEVATIONS - BANKS A, B, C & D

L-A-10 — ZONE III - PIT PLAN - BANKS A, B, C & D

L-A-11 — ZONE III - RISER - BANKS A & D - SECONDARY & MACHINE ROOM PLANS

L-A-12 — ZONE III - BANKS B & C - SECONDARY & MACHINE ROOM PLANS

L-A-13 — ZONE III - ELEVATIONS - BANKS A, B, C & D

L-A-14 — FREIGHT ELEVATORS 48, 49 & 50 - ELEVATIONS, SECONDARY & MACHINE ROOM PLANS

L-A-15 — SHUTTLE ELEVATORS 1—11, HOISTWAY PLAN

L-A-16 — SHUTTLE ELEVATOR M.G. ROOMS

L-A-17 — ZONE II SHUTTLE ELEVATORS, SECONDARY LEVEL - F.E. 99 ELEVATION - SECONDARY LEVEL NO. 6, 7 & F.E. 50

L-A-18 — ZONE II SHUTTLE ELEVATORS - MACHINE ROOM - F.E. 99 & F.E. 50 MACHINE ROOM

L-A-19 — SHUTTLE ELEVATORS 12—23, HOISTWAY PLAN

L-A-20 — ZONE III SHUTTLE ELEVATORS - SECONDARY LEVEL

L-A-21 — ZONE III SHUTTLE ELEVATORS - MACHINE ROOM

L-A-22 — ZONE II & III SHUTTLE ELEVATORS - ELEVATIONS

L-A-23 — SHUTTLE & FREIGHT ELEVATORS - RISER & PLOT PLAN

L-A-24 — TOWER ESCALATORS - NOS A-3 THRU A-10

L-A-25 — TOWER ESCALATORS - NOS A-1 & A-2

L-A-26 — TOWER ESCALATORS - PLOT PLAN

NO. DATE REVISIONS BY | NO. DATE REVISIONS BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

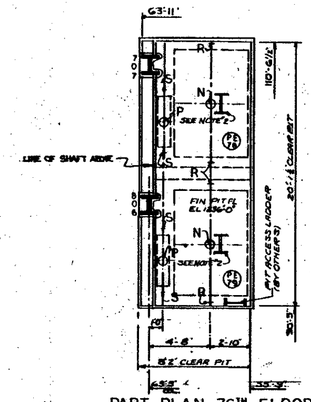
TITLE: DRAWING INDEX

DRAWN: JMM | CHECKED: CLK

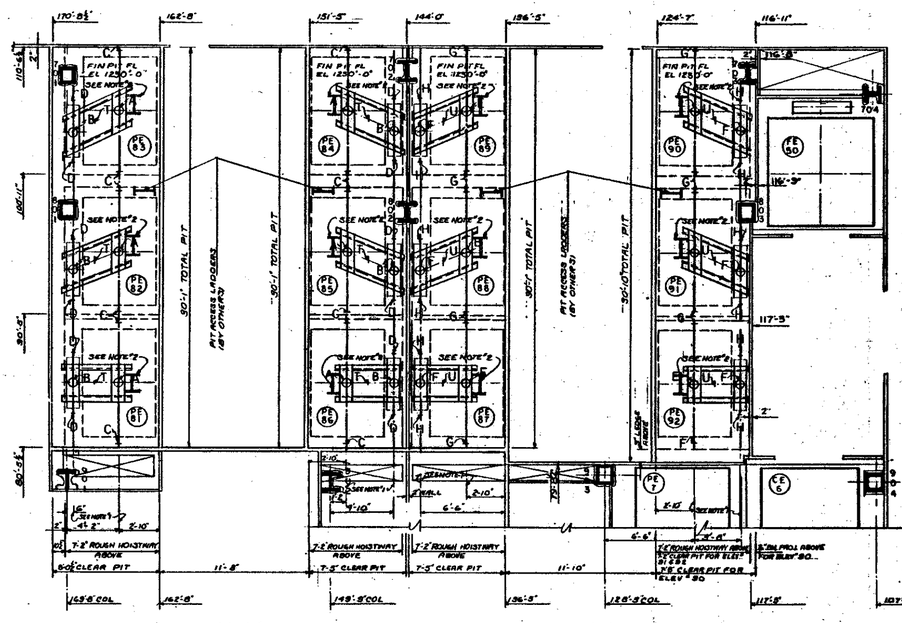
SCALE: NO. SCALE | DATE: 5-15-67

PROJECT NUMBER | SHEET NO.

DRAWING NUMBER: L-A-1

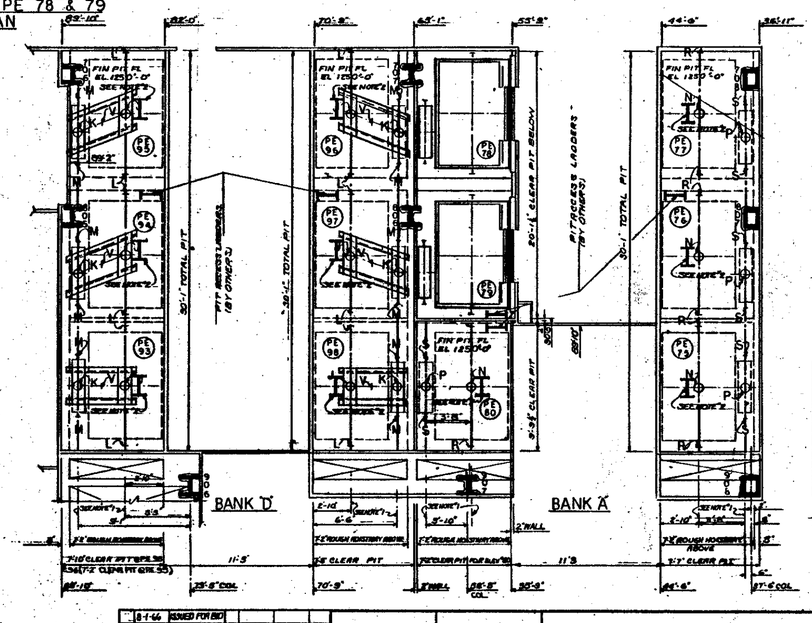


PART PLAN 76TH FLOOR
ELEVATORS NOS PE 78 & 79
PIT PLAN



BANK 'B'

BANK 'C'



BANK 'D'

BANK 'A'

PIT REACTIONS

CAR BUFFER IMPACT	A-48.7*	E-48.9*	J-43.4*	N-48.6*
CWT BUFFER IMPACT	B-51.9*	F-51.4*	K-32.1*	P-51.0*
CAR RAIL IMPACT	C-26.7*	G-22.0*	L-27.4*	R-26.8*
CWT RAIL IMPACT	D-23.8*	H-23.7*	M-23.9*	S-23.0*
UP-PULL	P-20.8*	U-20.8*	V-22.0*	

1) CAR RAILS, CAR BUFFERS, COUNTERWEIGHT RAILS & COUNTERWEIGHT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER
2) CAR OR COUNTERWEIGHT RAIL IMPACTS DO NOT OCCUR SIMULTANEOUSLY WITH TIE-DOWN COMPENSATION UP-PULL

PART PLAN 77TH FLOOR
ELEVATORS NOS PE 75 - 77 & 80 - 98
PIT PLAN

NOTES:
1) SUPPORT BEAMS MIN 8" WIDE FLANGE (BY OTHERS)
2) BUFFER STEEL RUNG LADDERS (BY OTHERS) LOCATED AS DIRECTED BY ELEV MANUFACTURER
3) SEE DWG. W-16 FOR PIT SECTIONS

NO.	DATE	REVISIONS	BY
1	8-1-66	ISSUED FOR BID	
2	8-14-67	—	MM
3	10-5-67	—	MM

APPROVED
CHIEF, PLANNING DIVISION
DATE

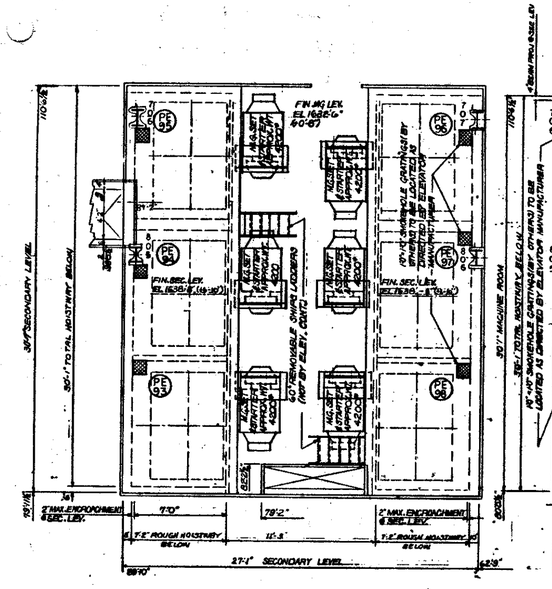
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

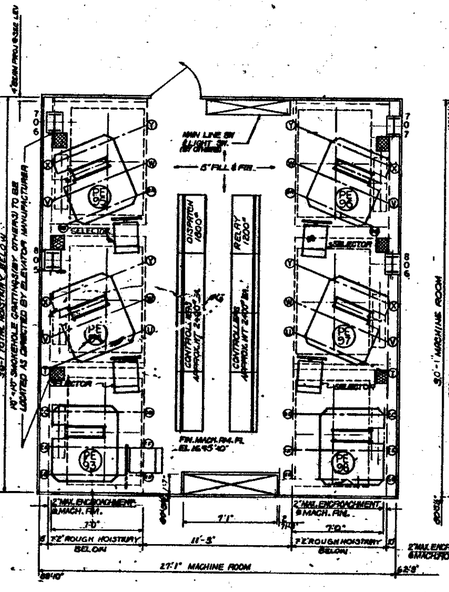
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III - PIT PLAN BANKS A B C & D

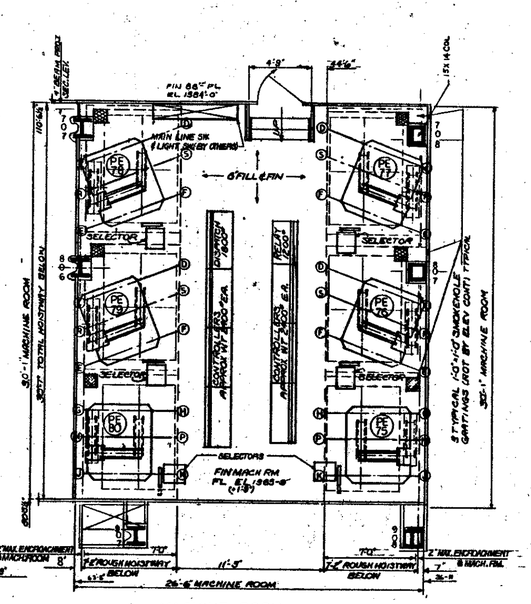
DRAWN	RSC	CHECKED	CLR
SCALE	1/8"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-10		



MG & SECONDARY LEVEL
BANK 'D' ZONE III
108TH FLOOR



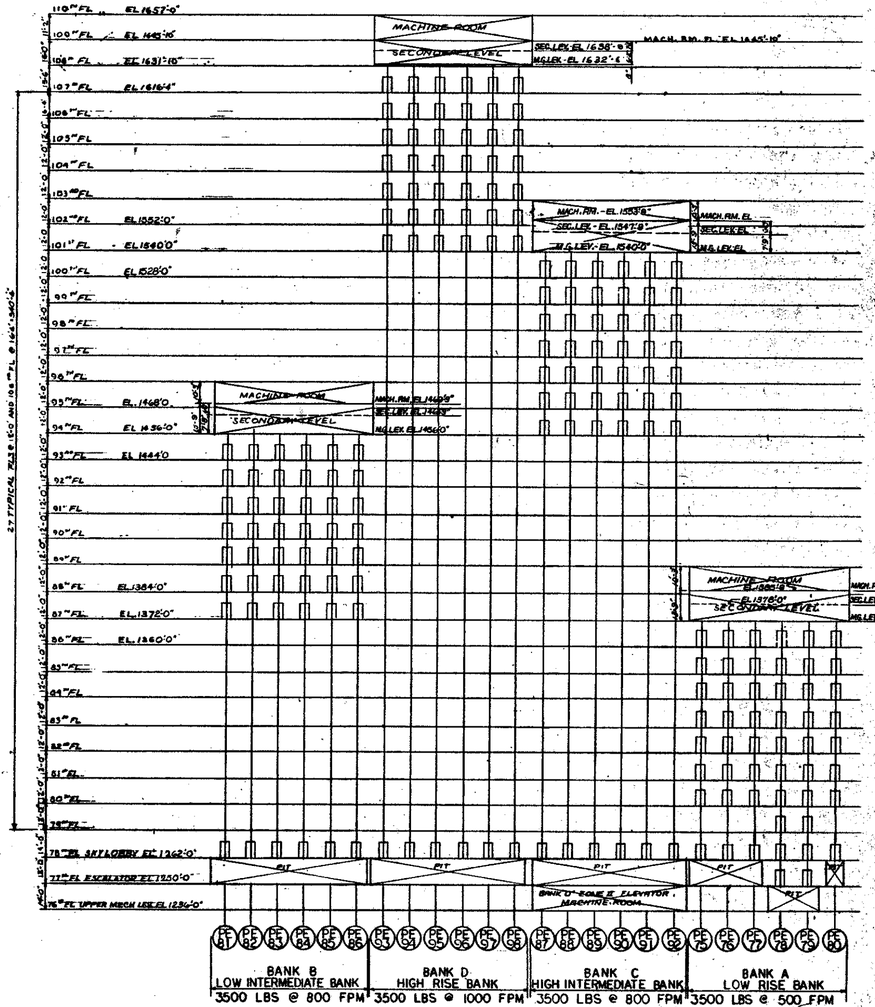
MACHINE ROOM
BANK 'D' ZONE III
109TH FLOOR



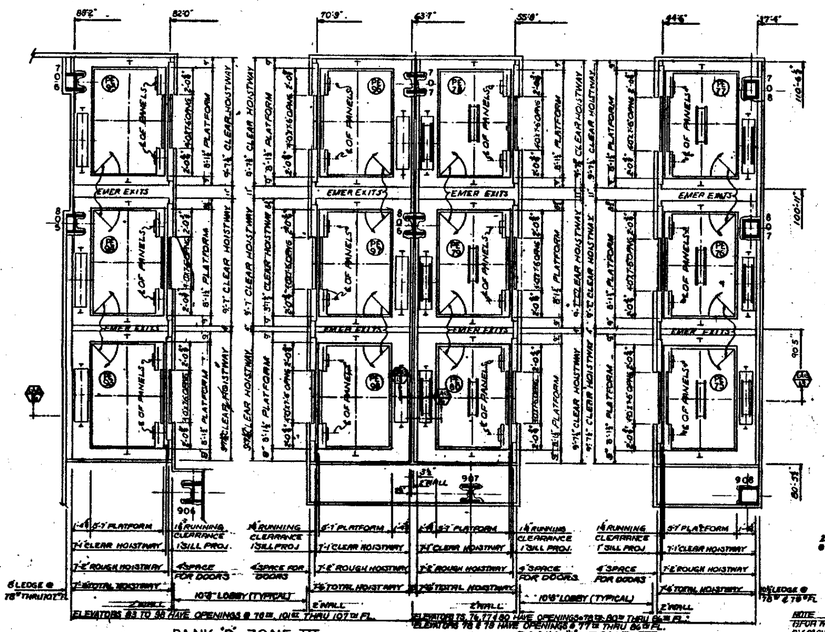
MACHINE ROOM
BANK 'A' ZONE III
88TH FLOOR

REACTIONS									
A*	13.4*	G	6.2*	M	3.6*	Y	4.9*	CC	22.0*
B*	10.4*	H	5.8*	P	5.2*	W	3.6*	DD	16.0*
C	10.4*	J	14.4*	R	4.8*	X	23.7*	EE	8.1*
D	8.8*	K	9.6*	Q	2.2*	Y	18.0*	FF	2.5*
E	12.6*	L*	13.6*	T	11.6*	AA	15.4*	GG	17.0*
F	11.4*	M*	14.0*	U	18.4*	BB	11.6*	HH	10.0*

NOTE
1) ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT
2) REACTION S MARKED WITH AS TRUCK TO OCCUR AT SECONDARY LEVEL

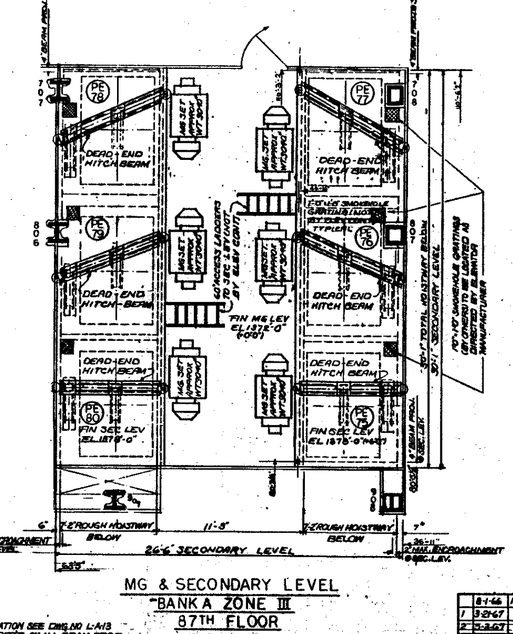


SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE III LOCAL ELEVATORS
NO SCALE



BANK 'D' ZONE III

BANK 'A' ZONE III



MG & SECONDARY LEVEL
BANK A ZONE III
87TH FLOOR

NOTE
1) FOR WALL LOCATION SEE DWG. NO. L-A13
2) 60" GUARDS REQ'D. ON ALL BEAM PROJ.
3) 4" ABOVE GRADE BY ELEV. CONT.
4) ELEV. CONT. TO PROVIDE CHANNEL TRACKING AS REQUIRED

NO.	DATE	ISSUE/REVISION	BY
	8-1-66	ISSUED FOR BID	
1	3-24-67	ADDENDUM	
2	11-3-67	ADDENDUM	

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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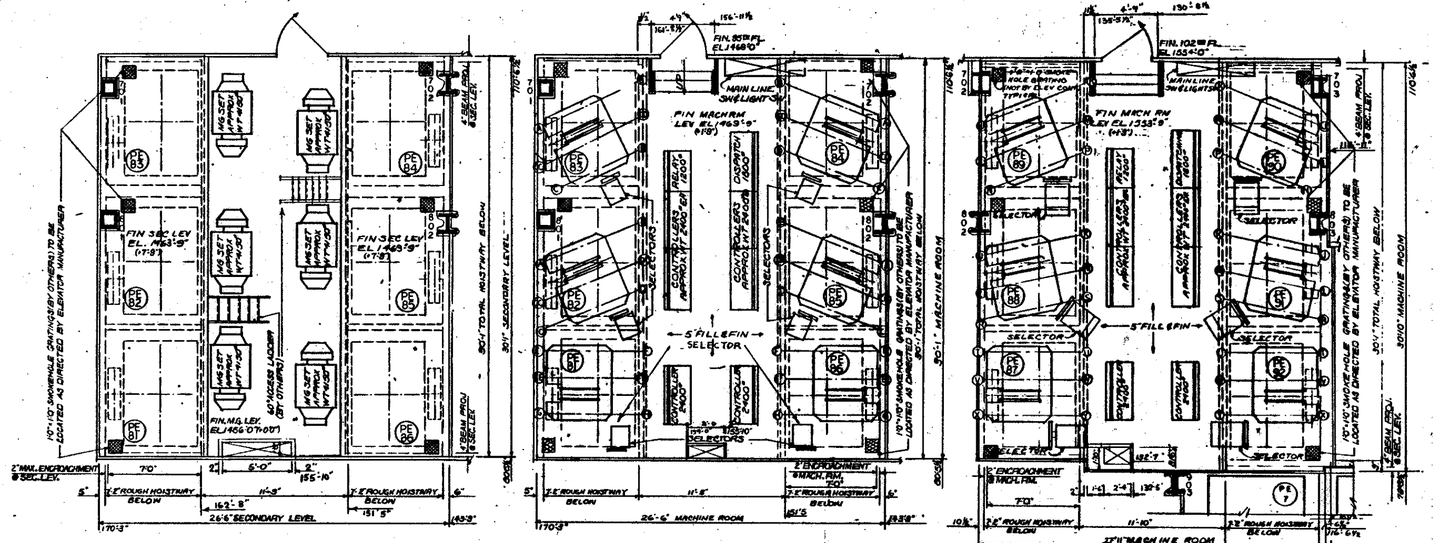
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III - RISER BANKS A & D - SECONDARY & MACHINE ROOM PLANS

DRAWN	RSC
CHECKED	CLK
SCALE	1/8"=1'-0"
DATE	7-15-66
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	L-A-11



SECONDARY LEVEL
BANK 'B'
94TH FLOOR

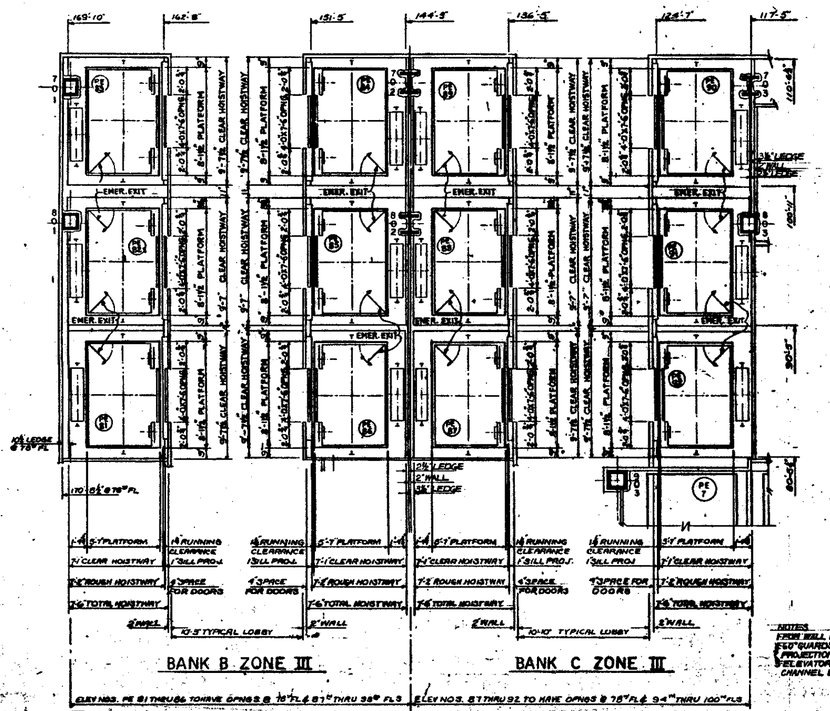
MACHINE ROOM
BANK 'B'
95TH FLOOR

MACHINE ROOM
BANK 'C'
102ND FLOOR

REACTIONS

A	27.0°	G	26.0°	N	12.4	V	5.0°	EE	4.9°
B	15.5°	H	16.3°	P	14.1	W	5.0°	FF	3.1°
C	11.6°	J	25.2°	R	12.9°	X	26.1°		
D	12.3°	K	13.3°	S	14.1°	Y	15.4°		
E	14.6°	L	4.6°	T	16.7°	CC	4.5°		
F	9.5°	M	3.4°	U	10.1°	DD	8.5°		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

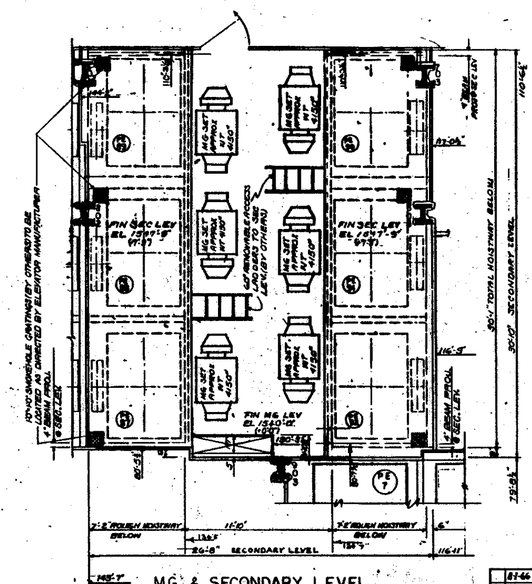


BANK B ZONE III

BANK C ZONE III

ELEV NOS. 95 & 81 THRU 86 & 70 HAVE OPNGS @ 70'-0" FL & 81ST THRU 94TH FLS

ELEV NOS. 87 THRU 92 TO HAVE OPNGS @ 75'-0" FL & 94TH THRU 100TH FLS



MG & SECONDARY LEVEL
BANK 'C'
101ST FLOOR

NOTES
1. FOR WALL LOCATIONS SEE DWG. L-A-8
2. SILL GUARDS PROVIDED ALL BEAM PROJECTIONS & 8" ABOVE (BY OTHERS)
3. ELEVATOR CONTRACTOR TO PROVIDE CHANNEL BACKING AS REQUIRED

NO.	DATE	ISSUED FOR BID	BY
1	8-21-67	—	YAMA
2	11-3-67	—	YAMA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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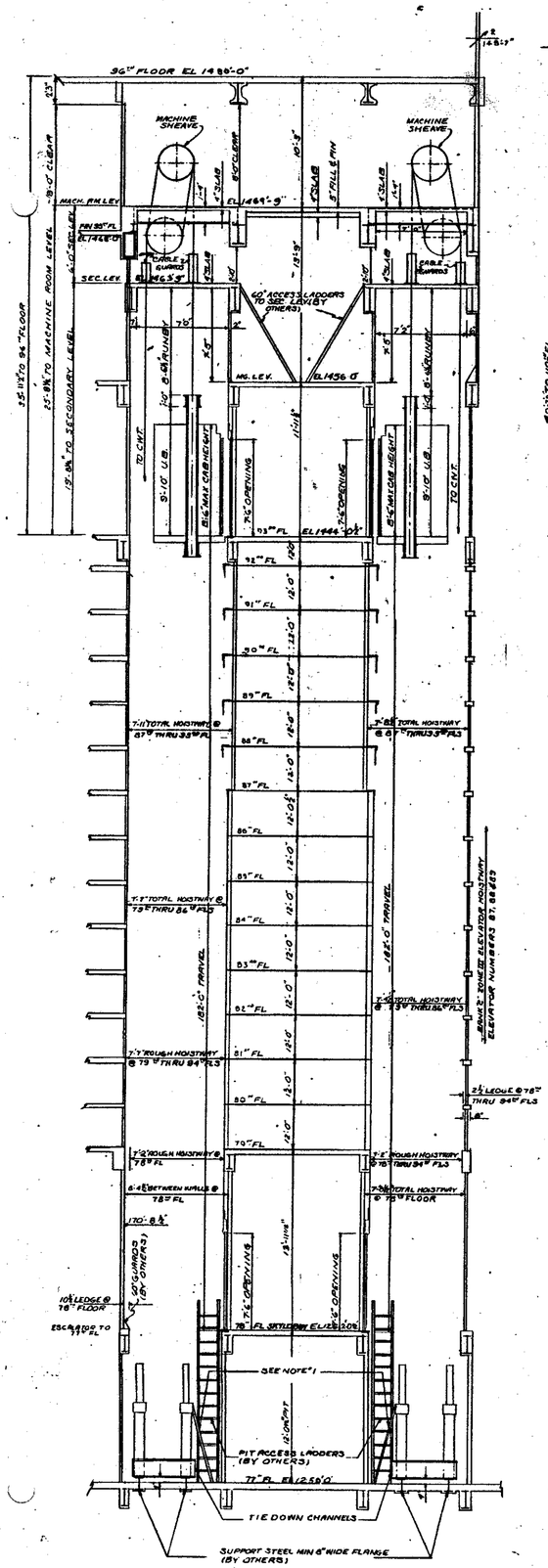
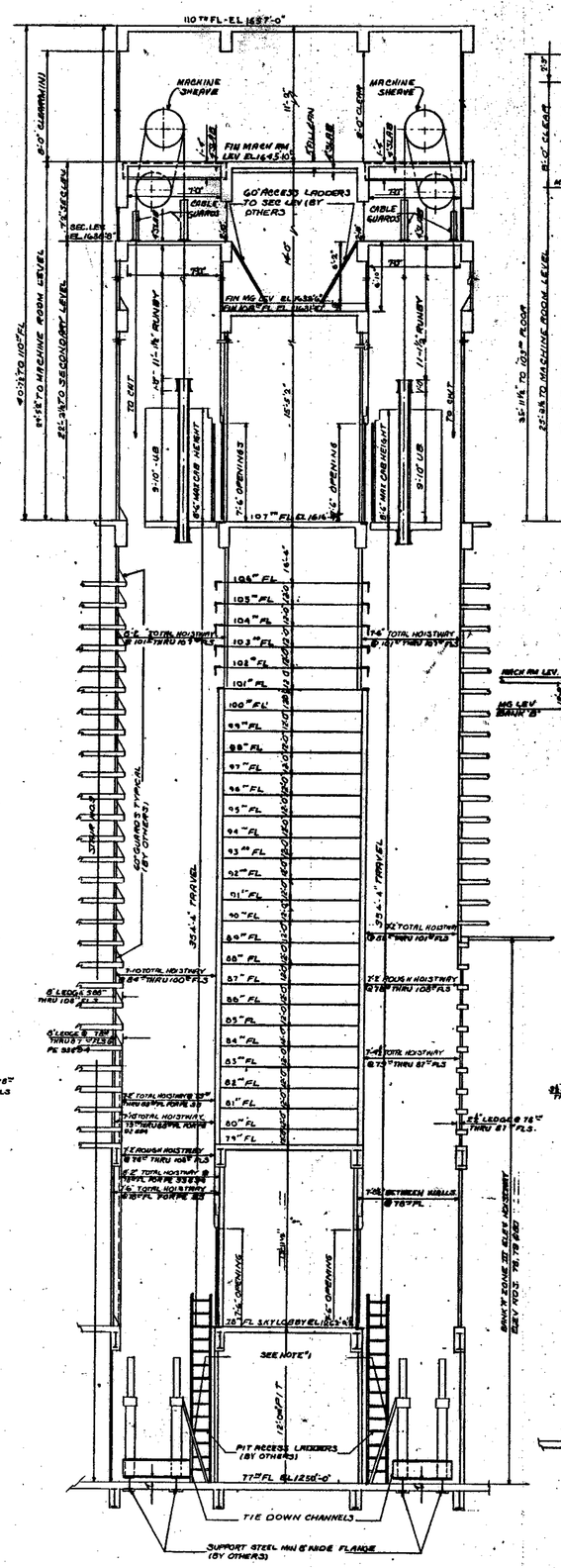
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III
BANKS 'B' & 'C' - SECONDARY & MACHINE ROOM PLANS

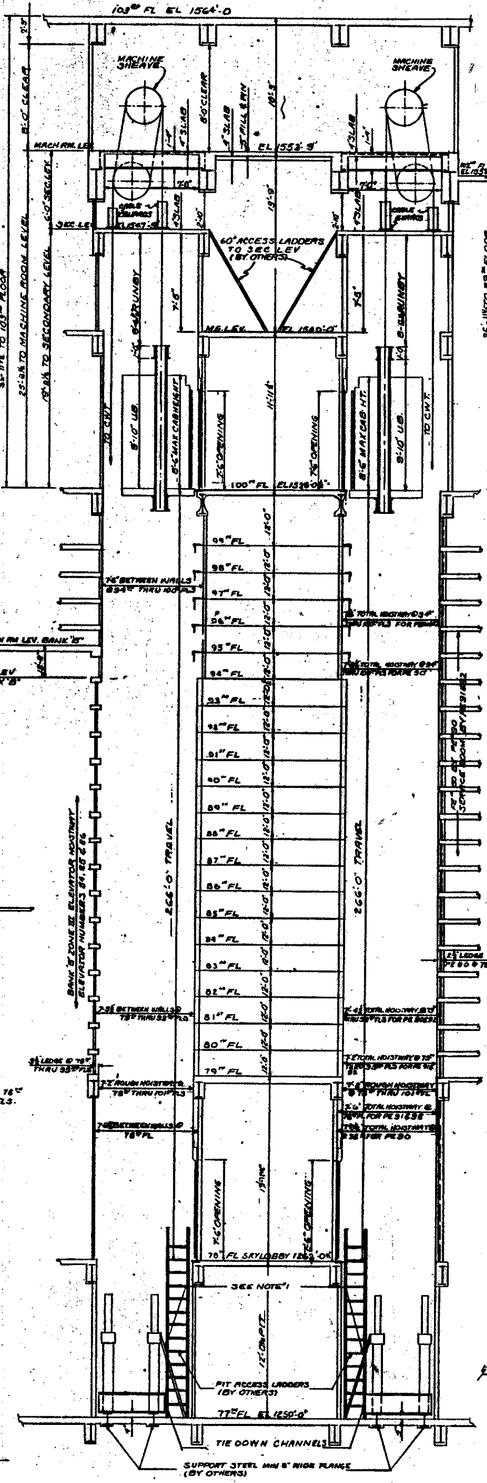
DRAWN	RSC	CHECKED	CLR
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT ENGINEER		SHEET	OF
PROJECT NUMBER	L-A-12		



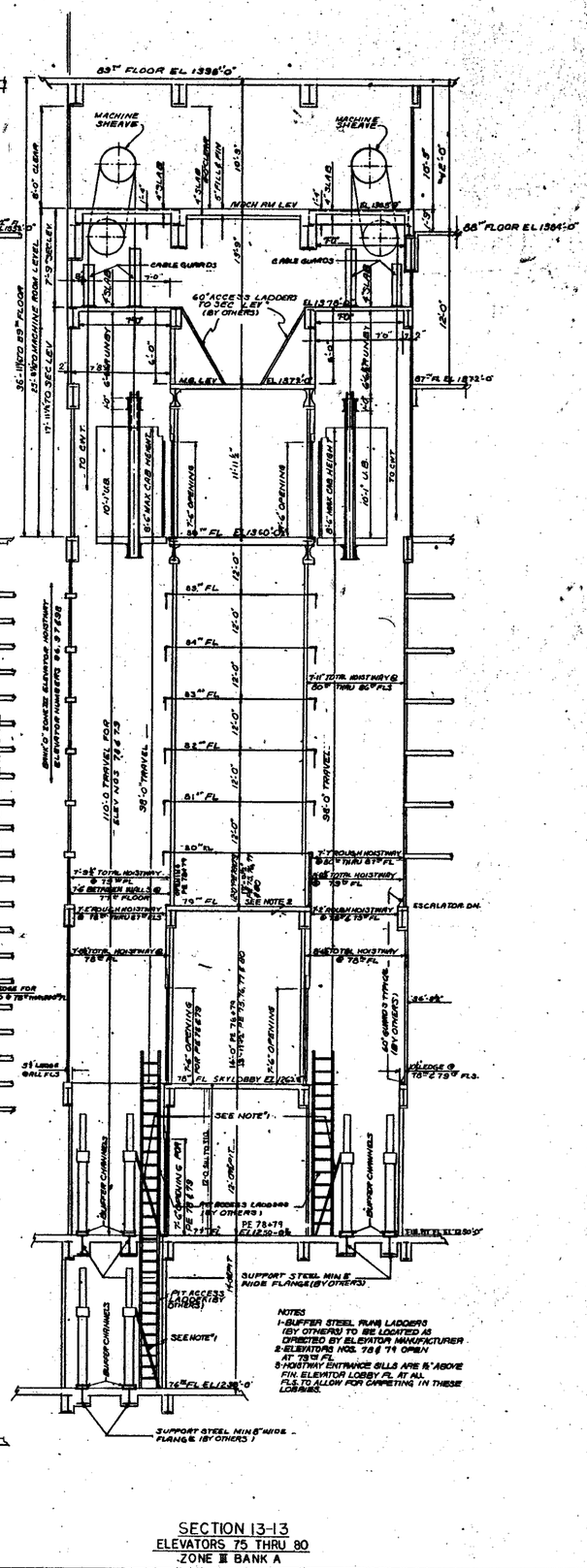
SECTION 14-14
ELEVATORS 81 THRU 86
ZONE III BANK B



SECTION 16-16
ELEVATORS 93 THRU 98
ZONE III BANK D



SECTION 15-15
ELEVATORS 87 THRU 92
ZONE III BANK C



SECTION 13-13
ELEVATORS 75 THRU 80
ZONE III BANK A

NO.	DATE	REVISIONS	BY
1	9-29-67	—	JWH
2	10-6-67	—	JWH

NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
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JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
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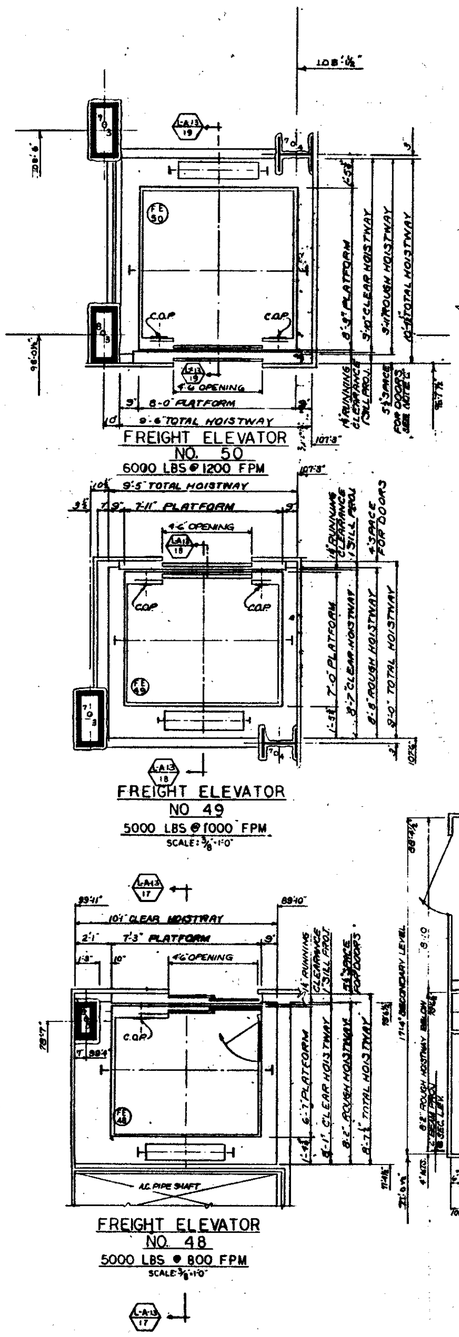
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III - ELEVATIONS BANKS A B C & D

DRAWN	RSC	CHECKED	CLK
SCALE	1/8"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-13		



NO.	DATE	REVISED FOR BID	BY
1	3-24-67	—	JMM
2	5-4-67	—	JMM
3	9-22-67	—	RSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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RICHARD ROTH, ARCHITECT

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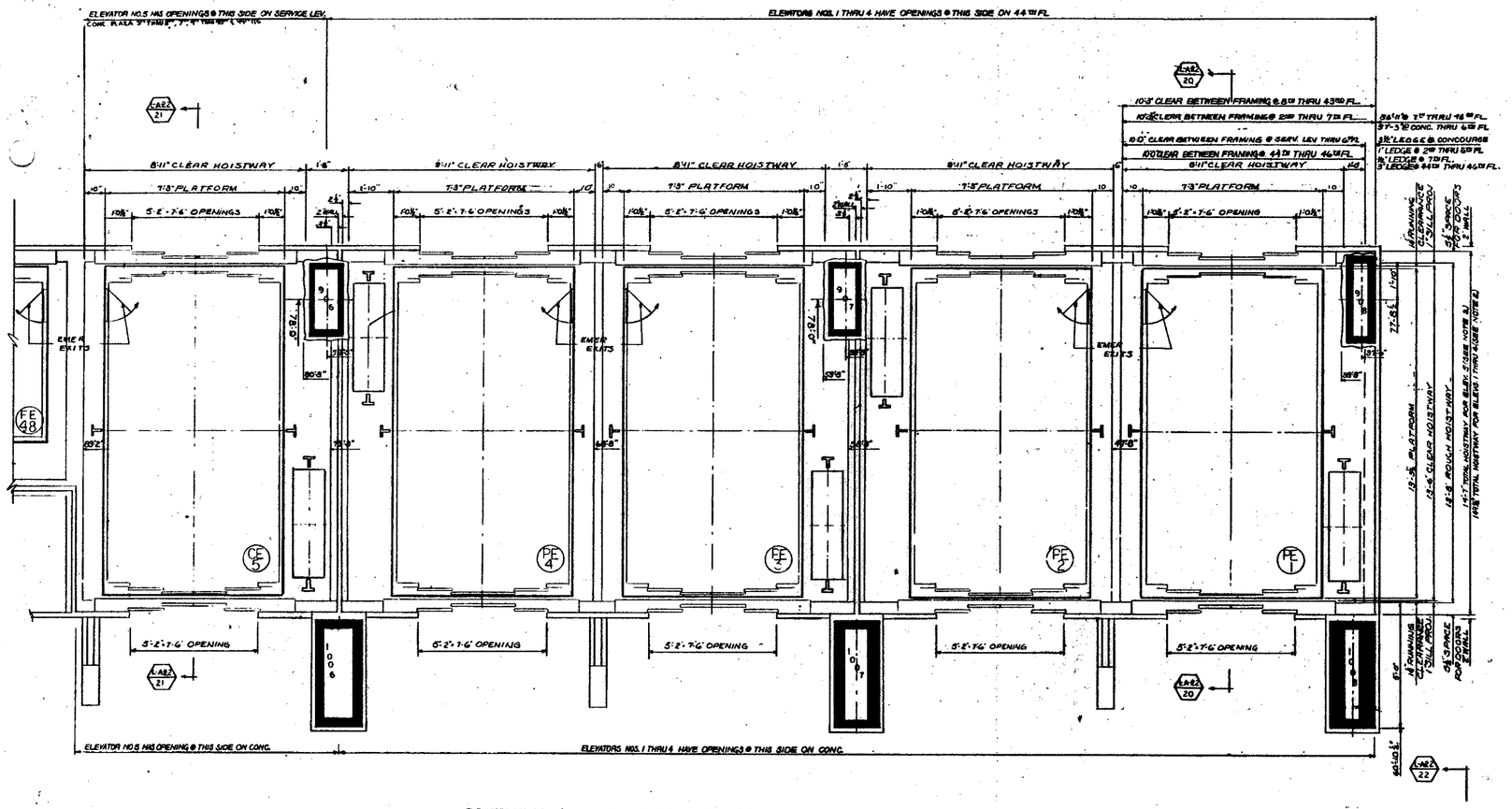
MECHANICAL ENGINEERS

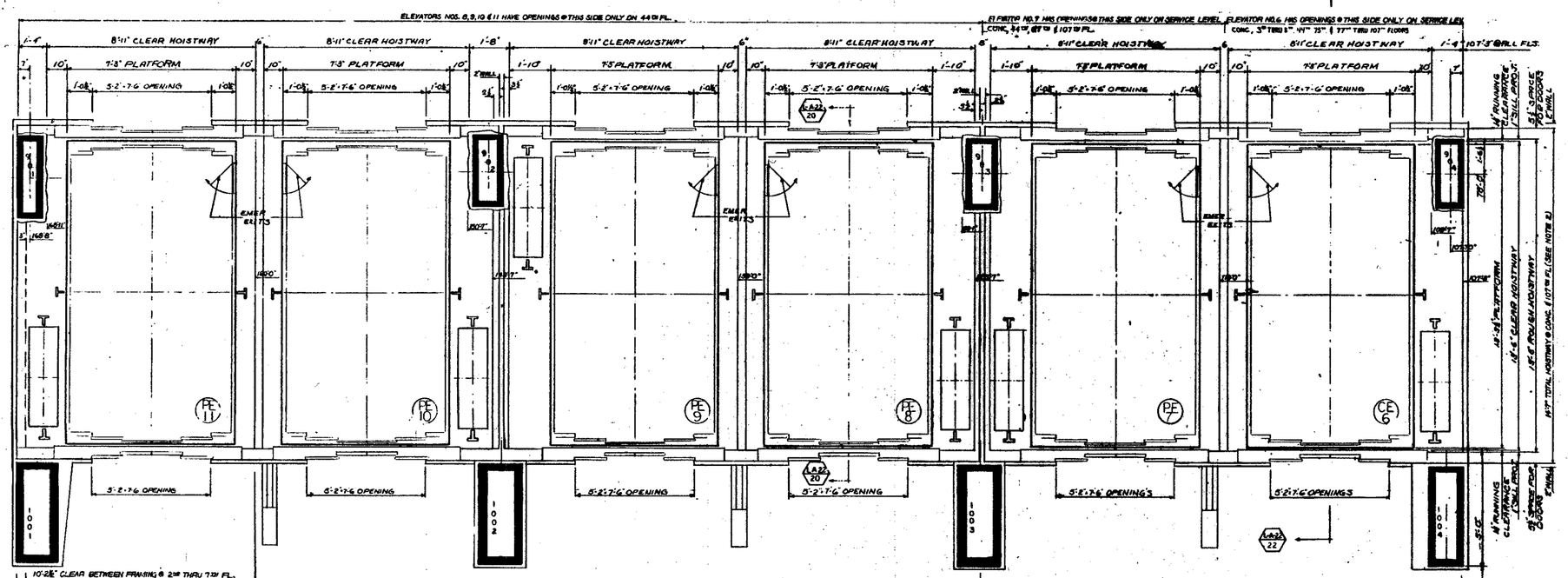
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FREIGHT ELEVATOR 48,49 & 50 - ELEVATIONS SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-14		





ZONE II SHUTTLE ELEVATORS

NOTE
1) MAXIMUM DISTANCE BETWEEN TOP OF RAIL SUPPORT STEEL AT ONE FLOOR TO BOTTOM OF RAIL SUPPORT STEEL ABOVE TO BE 13'-0" IN.
2) FOR WALL LOCATIONS SEE DWG NO L-A-22.
3) FOR SCHEDULE OF OPENINGS SEE DWG NO. L-A-23
4) 1/2" CEMENT CANTS REQ'D. ON BEAM PROJECTIONS 6" & ABOVE (BY OTHERS)

NO.	DATE	REVISIONS	BY
1	5-22-67	—	JRM
2	5-5-67	—	JRM

APPROVED
CHIEF, PLANNING DIVISION
DATE

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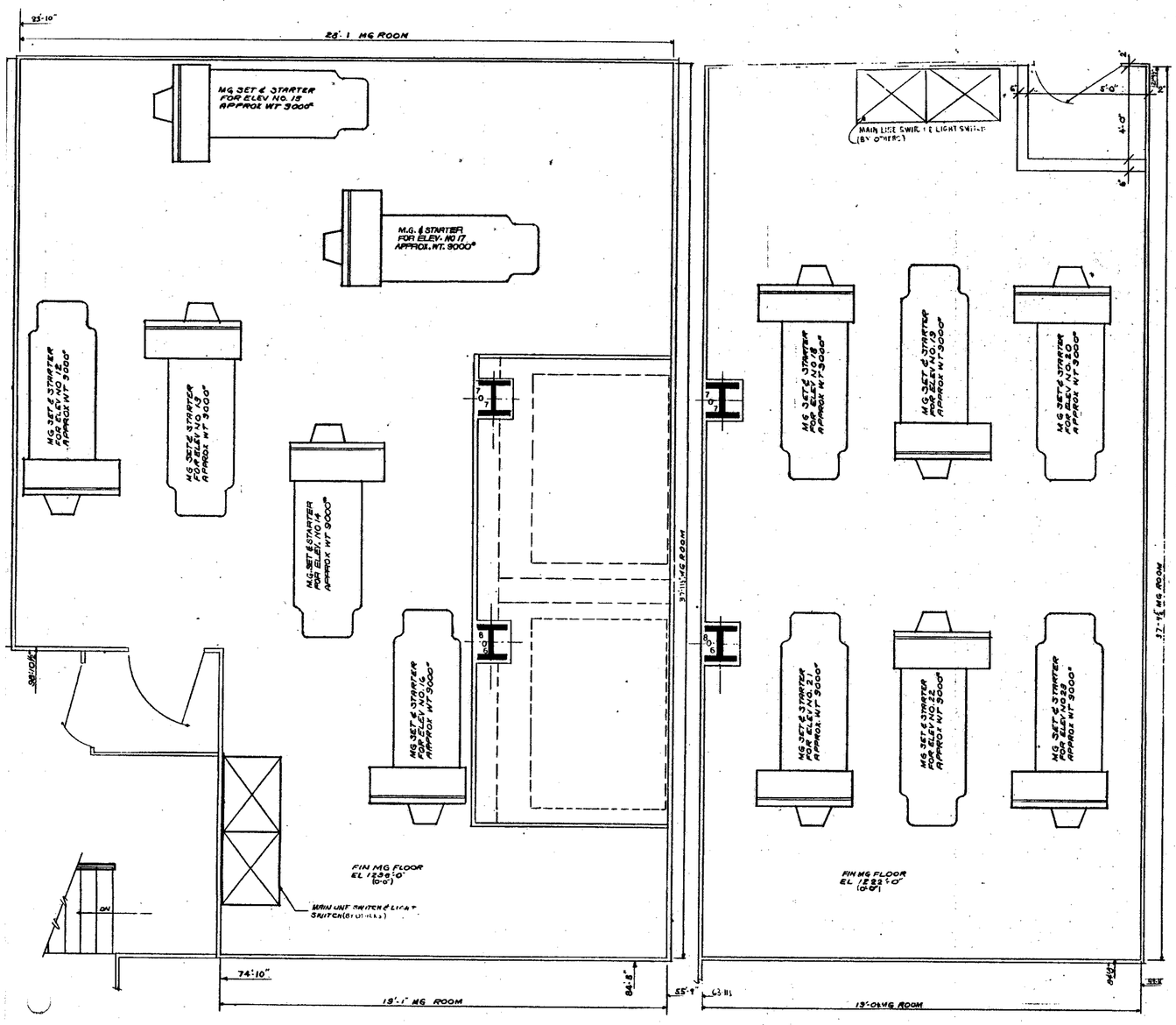
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS NO. 1-11 HOISTWAY PLANS

DRAWN	R.S.C.	CHECKED	C.I.K.
SCALE	1/4"-1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-15		



MG ROOM ZONE III SHUTTLE ELEVATORS,
76TH FLOOR
UPPER MECH LEVEL

MG ROOM ZONE III SHUTTLE ELEVATORS
75TH FLOOR
LOWER MECH LEVEL

MG ROOM ZONE II SHUTTLE ELEVATORS
41ST FLOOR

NO.	DATE	ISSUED FOR	BY
1	9-22-67	—	JMH
2	5-5-67	—	JMH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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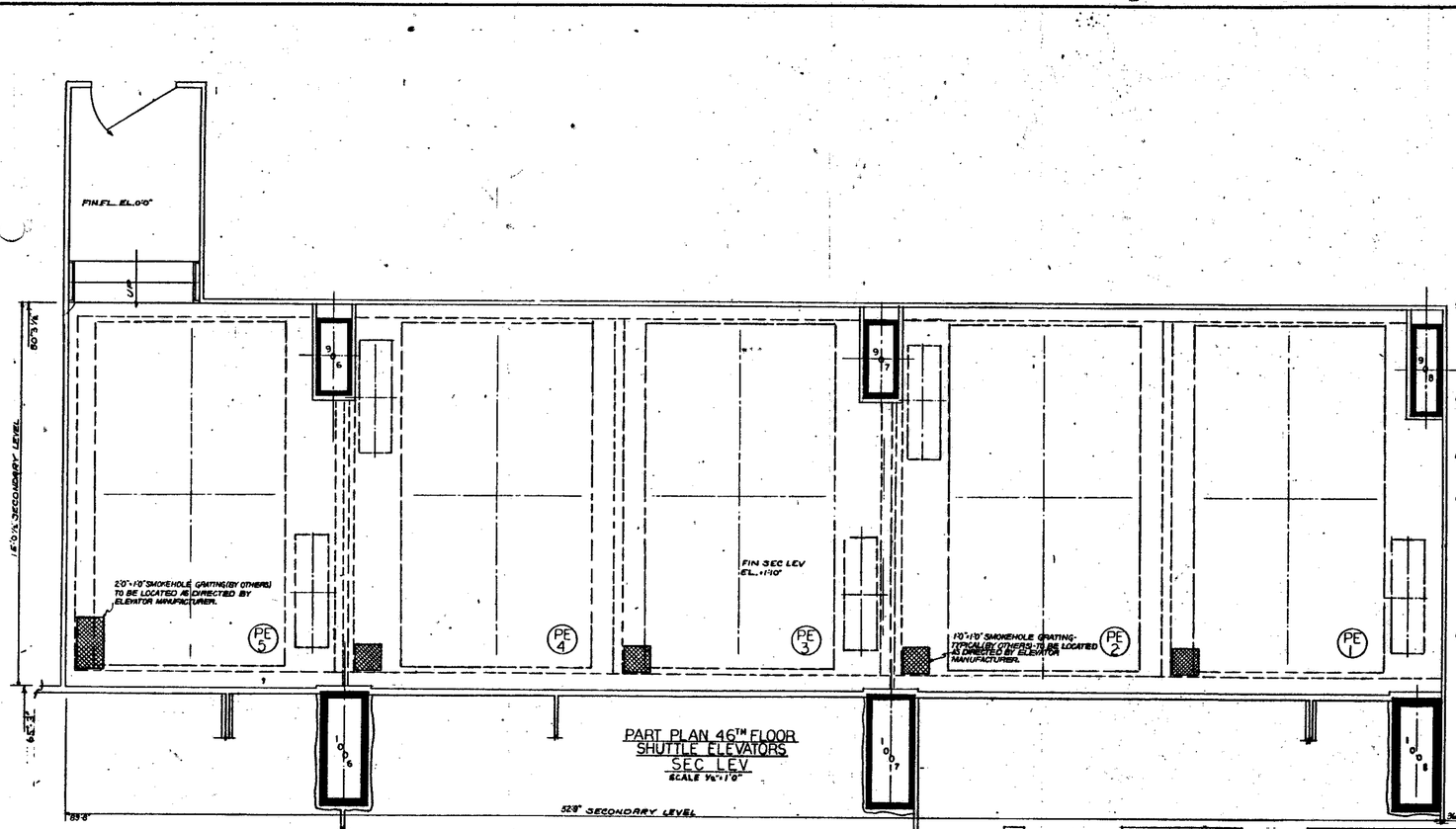
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

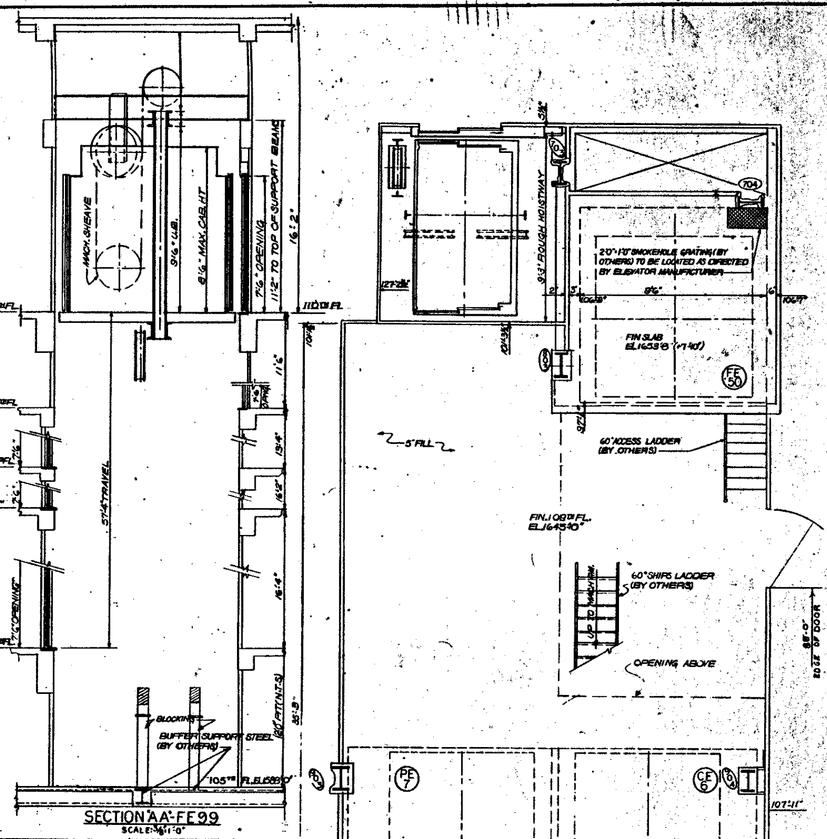
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS MG. ROOMS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	1-15-68
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	LA-16		



PART PLAN 46TH FLOOR
SHUTTLE ELEVATORS
SEC LEV
SCALE ⅛"=1'0"

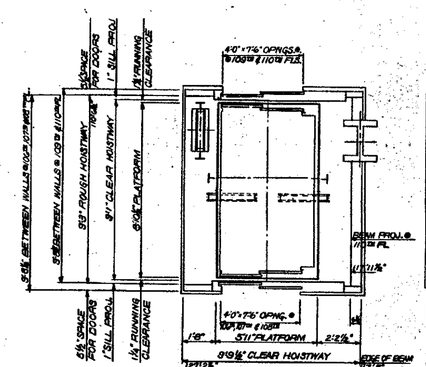


SECTION AA-FE 99
SCALE ⅛"=1'0"

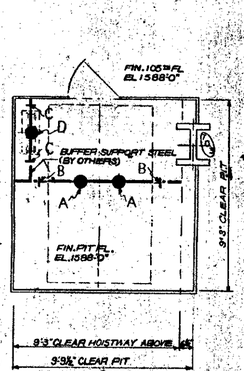
109TH FL SECONDARY LEVEL
ELEVATORS PE 6, CE 7, FE 50 & FE 99
SCALE ⅜"=1'0"

PIT REACTIONS	
CAR BUFFER IMPACT	A=18.0"
CWT BUFFER IMPACT	D=32.0"
CAR RAIL IMPACT	B=20.0"
CWT RAIL IMPACT	C=16.0"

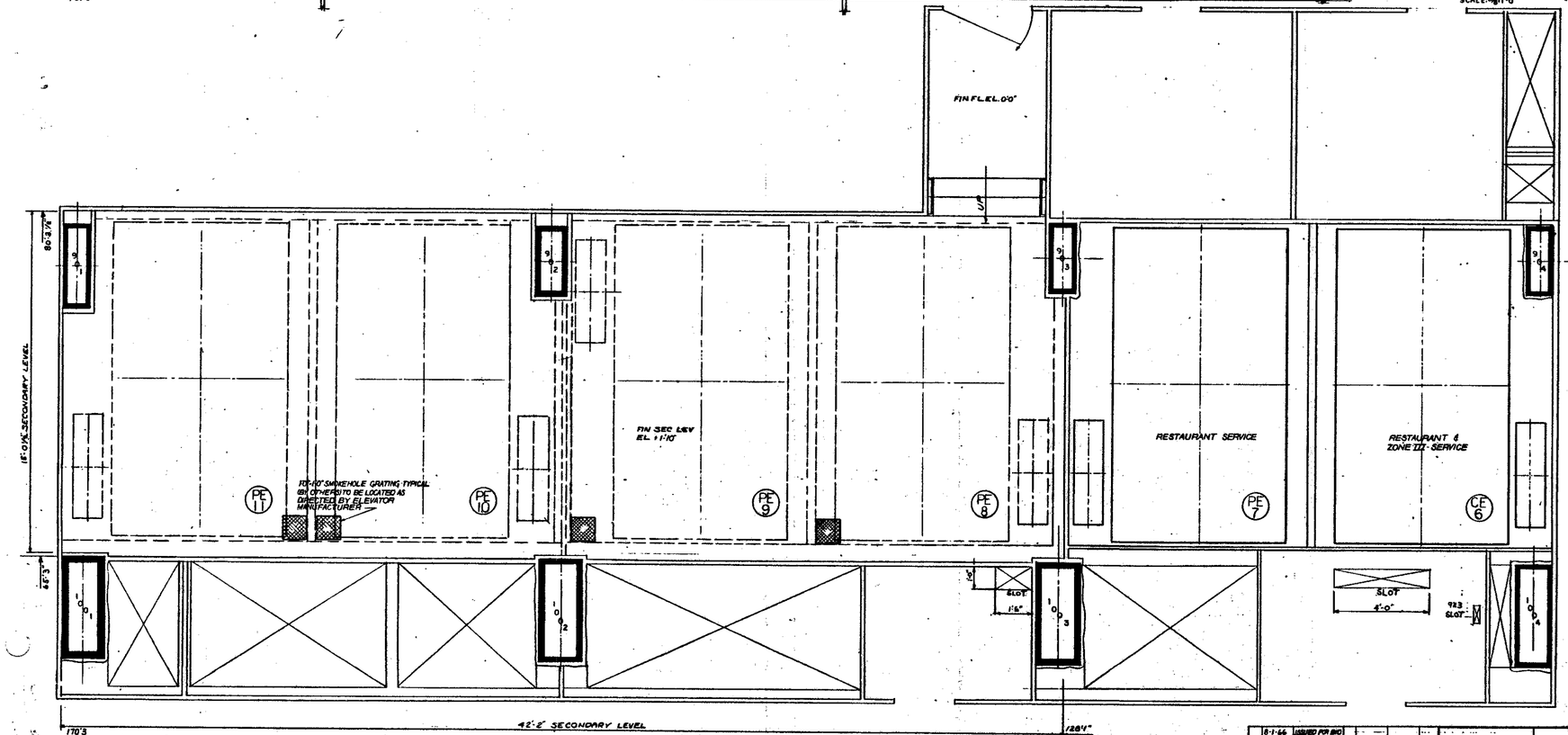
ALL ELEVATIONS ARE TAKEN WITH REFERENCE TO THE 109TH FL WHICH IS 164'5"-10"



ELEVATOR FE 99
4000 LBS@100 FPM
SCALE ⅜"=1'0"



PIT PLAN
ELEVATOR FE 99
SCALE ½"=1'0"



PART PLAN-46TH FLOOR
SHUTTLE ELEVATORS
SEC LEV
SCALE ⅛"=1'-0"

NO.	DATE	REVISIONS	BY
	8-1-66	ISSUED FOR BID	
1	5-21-67	—	JMM
2	5-5-67	—	JMM
3	5-22-67	—	RSC

REVISIONS

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CHIEF, PLANNING DIVISION
DATE

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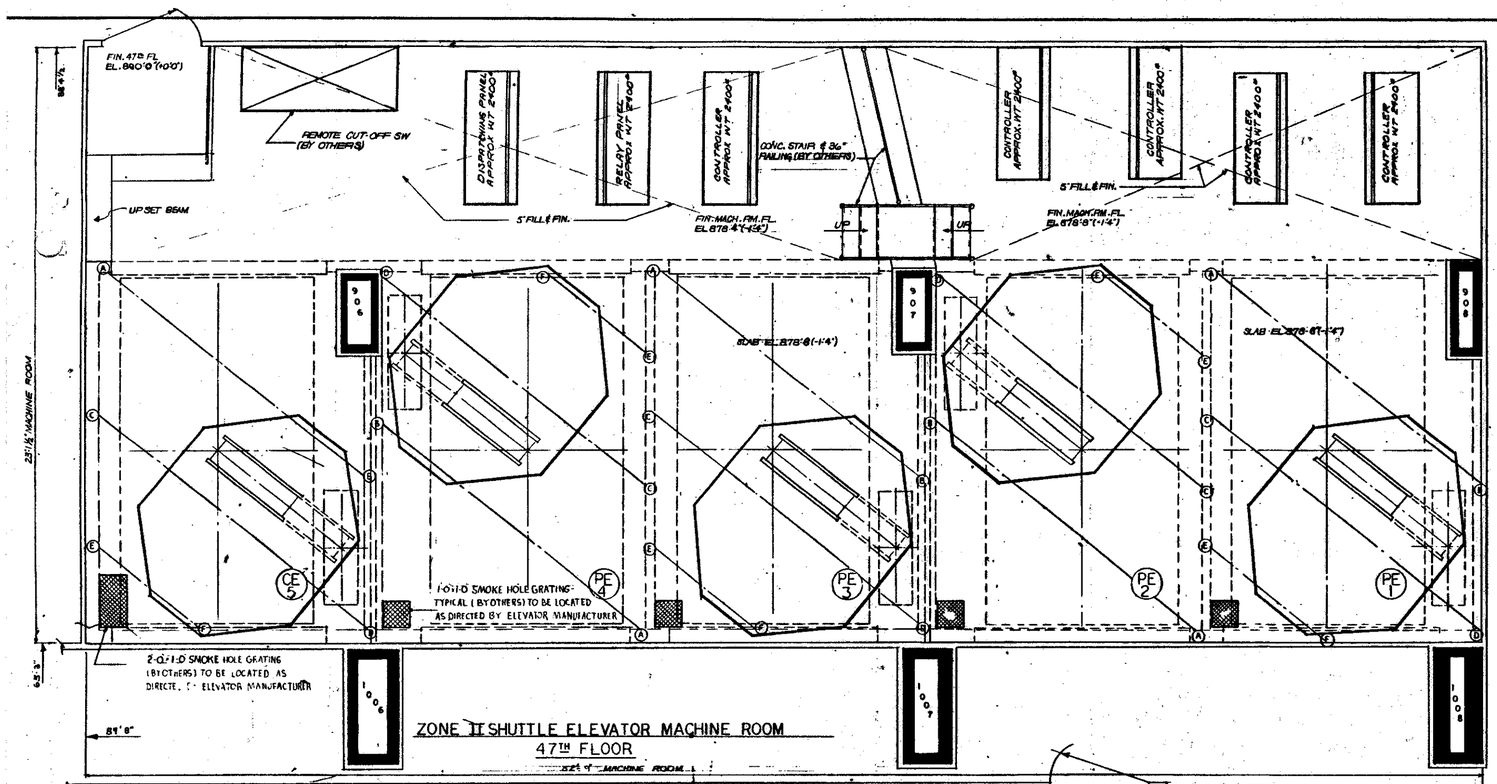
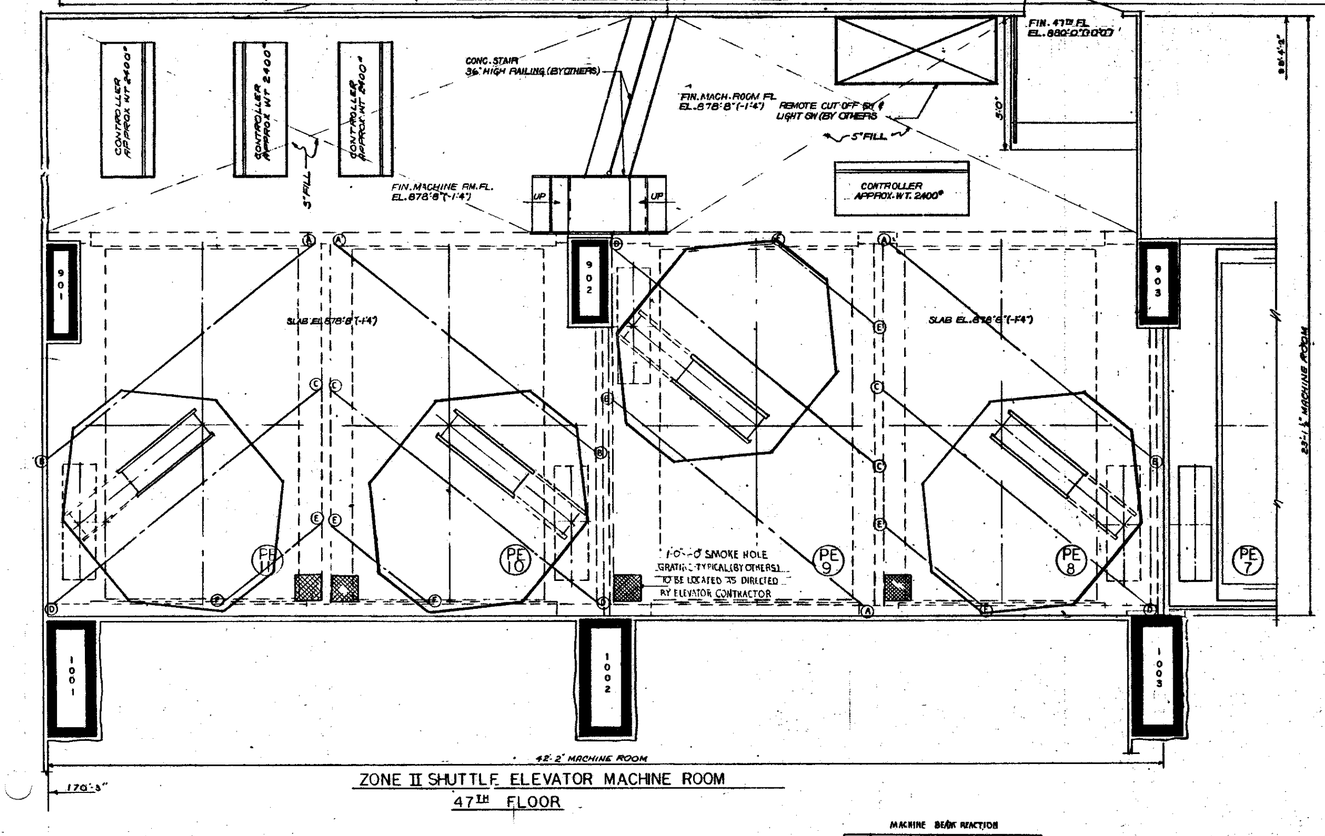
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II SHUTTLE ELEVATOR SEC. LEVEL-FE 99 ELEVATION-SEC. LEVEL NO. 6, 7 & FE 50

DRAWN	R.S.C.	CHECKED	C.I.K.
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	60
DRAWING NUMBER	L-A-17		



ZONE II SHUTTLE ELEVATOR MACHINE ROOM
47TH FLOOR



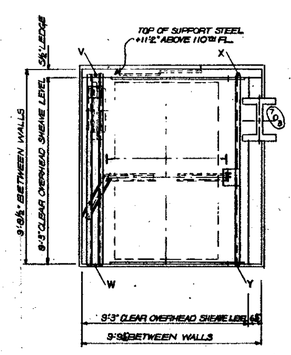
ZONE II SHUTTLE ELEVATOR MACHINE ROOM
47TH FLOOR

OVERHEAD SHEAVE			
V	24.5"	W	20.5"
X	6.2"	Y	6.3"

NOTE ALL LIVE LOADS HAVE BEEN DOUBLED

MACHINE BEAM REACTION					
A	38.0"	G	125.0"	N	29.0"
B	105.7"	H	43.0"	P	20.0"
C	5.5"	J	7.2"	R	4.0"
D	9.5"	K	7.8"	S	3.8"
E	37.0"	L	64.4"	T	68.8"
F	49.0"	M	37.6"	U	60.0"

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT



OVERHEAD SHEAVE LEVEL
ELEVATOR FE 99
SCALE: ⅜" = 1'-0"

110TH FLOOR
MACHINE ROOM FOR ELEVATORS
CE 6 PE 7 FE 50 & FE 99
SCALE: ⅜" = 1'-0"

NO.	DATE	ISSUED FOR BID	BY
	8-1-66	ISSUED FOR BID	
1	3-23-67	—	JMM
2	5-5-67	—	JMM
3	9-22-67	—	RSC

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

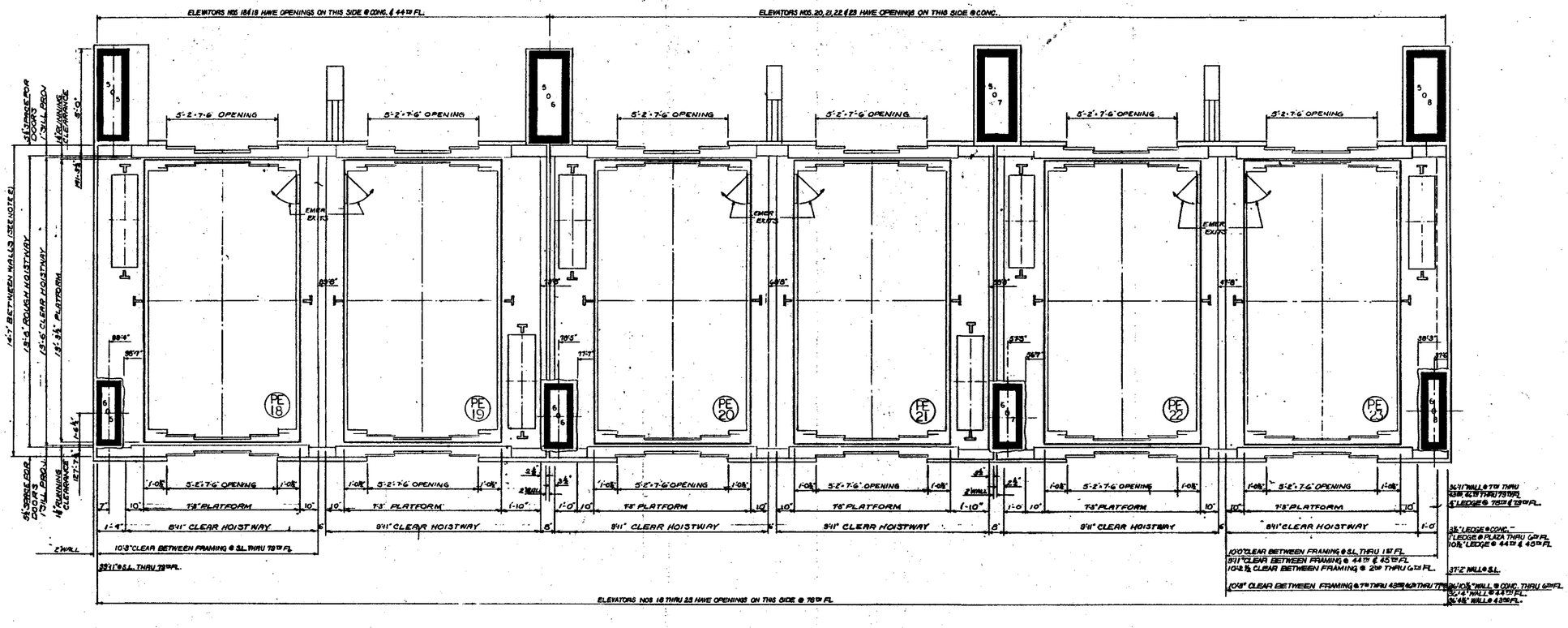
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

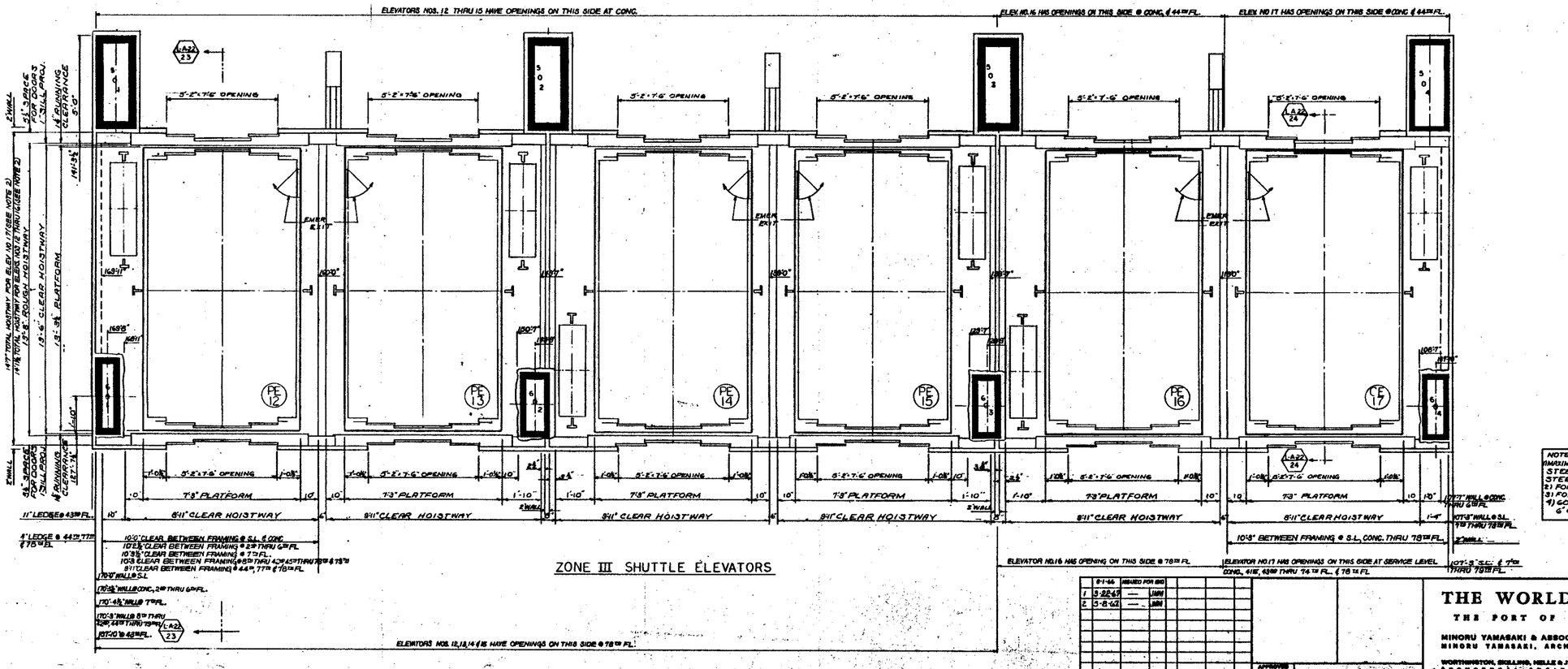
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II - SHUTTLE ELEVATOR MACHINE ROOM - FE 99 & FE 50 MACHINE ROOM

DRAWN	RSC	CHECKED	CLK
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-18		





ZONE III SHUTTLE ELEVATORS

NOTE:
MAXIMUM DISTANCE BETWEEN TOP OF RAIL SUPPORT STEEL AT ONE FLOOR TO BOTTOM OF RAIL SUPPORT STEEL ABOVE TO BE 13FT.-0IN.
2) FOR WALL LOCATIONS SEE DWG NO. L-A-22
3) FOR OPENINGS SEE RISER DIAGRAM, DWG NO L-A-23
4) 60# CEMENT CANTS REQUIRED ON ALL BEAM PROJECTIONS 6" & ABOVE (BY OTHERS)

NO.	DATE	ISSUED FOR BID	BY
1	5-22-67	—	JMM
2	5-8-68	—	JMM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

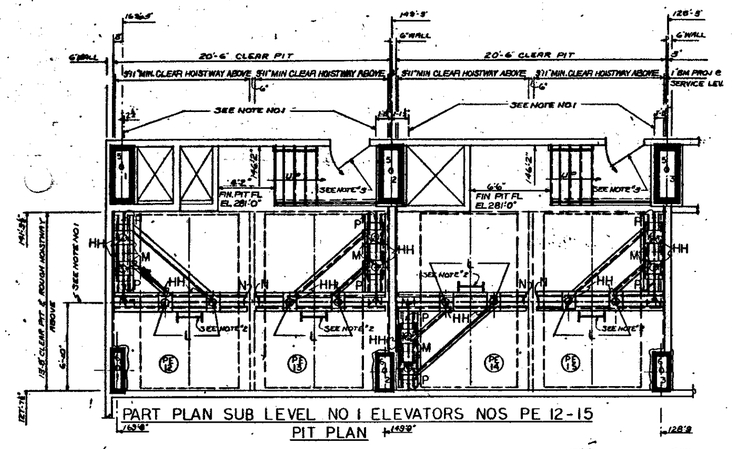
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

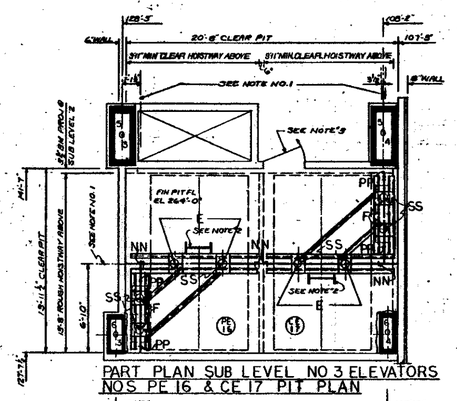
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS NOS 12-23 HOISTWAY PLANS

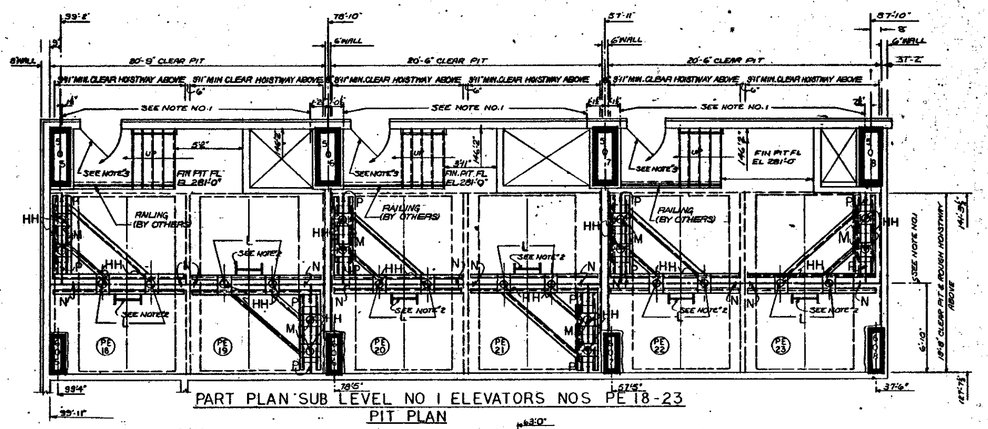
DRAWN	RSC	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-64
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-19		



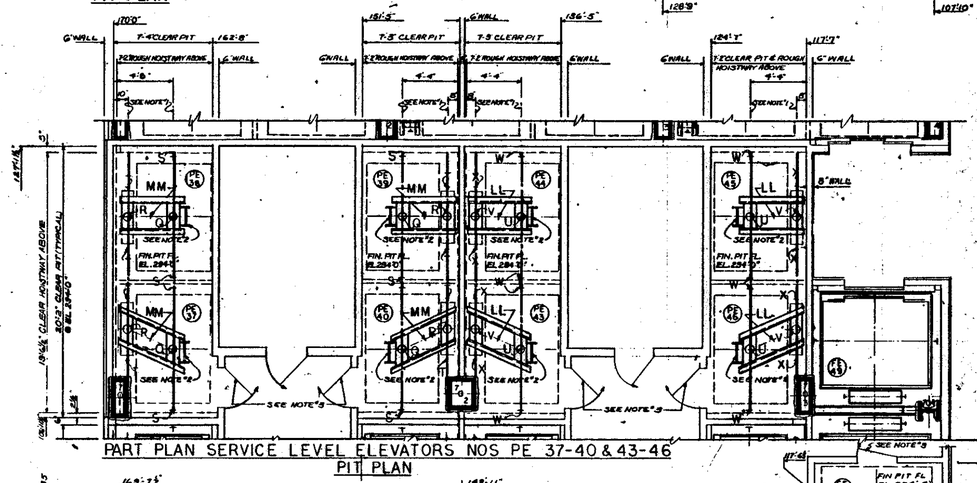
PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 12-15
PIT PLAN



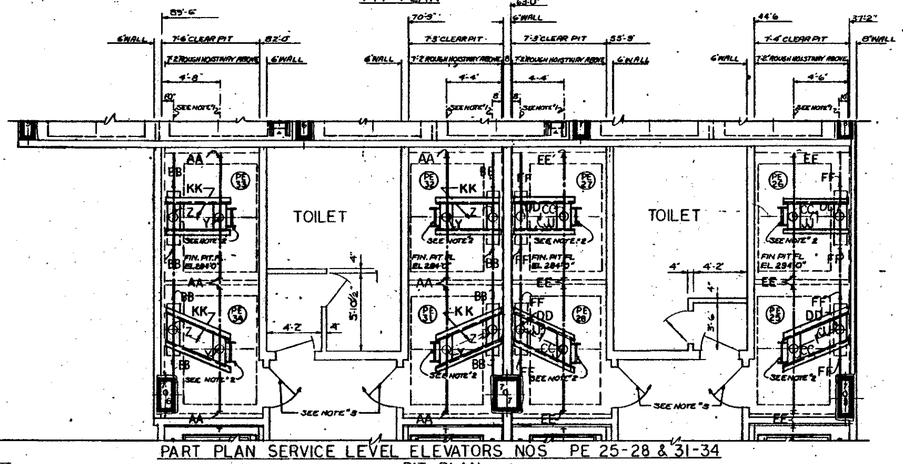
PART PLAN SUB LEVEL NO 3 ELEVATORS
NOS PE 16 & CE 17 PIT PLAN



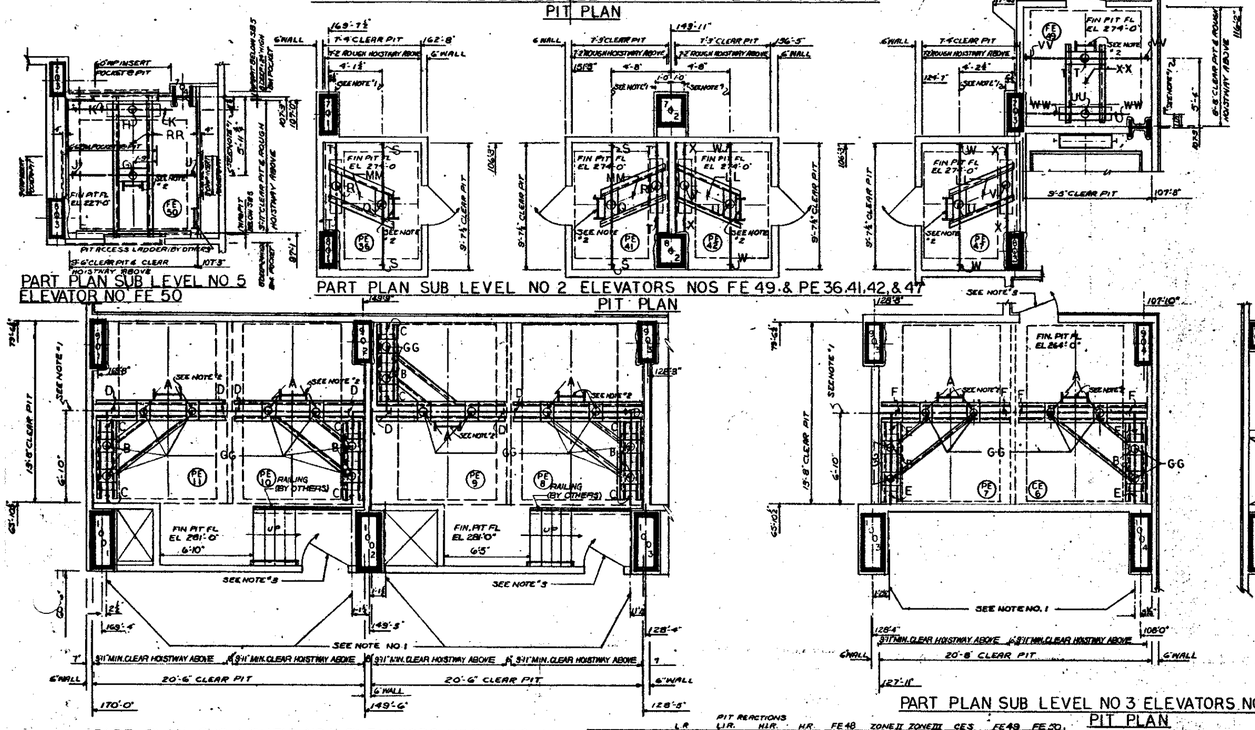
PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 18-23
PIT PLAN



PART PLAN SERVICE LEVEL ELEVATORS NOS PE 37-40 & 43-46
PIT PLAN



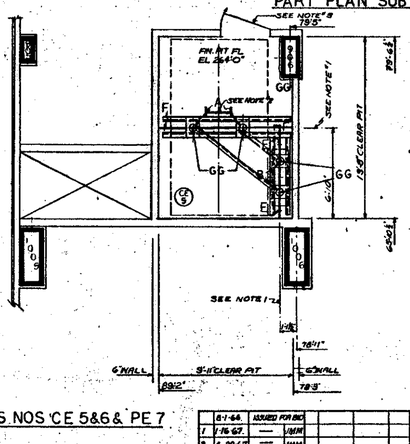
PART PLAN SERVICE LEVEL ELEVATORS NOS PE 25-28 & 31-34
PIT PLAN



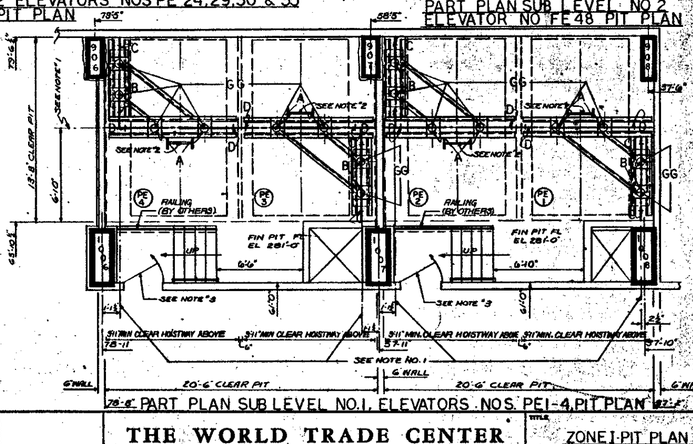
PART PLAN SUB LEVEL NO 2 ELEVATORS NOS FE 49 & PE 36,41,42, & 47
PIT PLAN

PART PLAN SUB LEVEL NO 5
ELEVATOR NO. FE 50
PIT PLAN

PART PLAN SUB LEVEL NO 3 ELEVATORS NOS CE 5&6 & PE 7
PIT PLAN



PART PLAN SUB LEVEL NO 2 ELEVATORS NOS PE 24,29,30 & 35
PIT PLAN



PART PLAN SUB LEVEL NO 2
ELEVATOR NO. FE 48 PIT PLAN

PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 8-11
PIT PLAN

	LR	PIT REACTIONS LIR	HR	FE 48	ZONE II	ZONE III	CE 5	FE 49	FE 20
CAR BUFFER IMPACT	CC-50°	Y-52.0°	Q-54.0°	U-56.0°	G-31.0°	A-65.5°	L-45.6°	C-66.6°	TT-62.5°	G-90.6°
CAR RAIL IMPACT	CE-24.4°	AA-25.2°	S-25.0°	N-27.0°	J-32.1°	D-54.0°	N-63.0°	NN-43.5°	VV-38.0°	U-43.0°
COUNTERWEIGHT BUFFER IMPACT	DD-49.5°	Z-52.0°	R-54.3°	V-57.0°	H-55.0°	B-64.8°	M-66.8°	F-87.9°	UU-55.0°	H-80.0°
COUNTERWEIGHT RAIL IMPACT	FF-26.0°	BB-20.1°	P-21.7°	X-22.8°	K-28.8°	C-42.8°	P-50.8	FF-50.8°	WW-30.4°	K-80.0°
UP-PULL	JJ-21.6°	KK-20.0°	MM-23.7°	LL-24.8°	RR-38.6°	GG-37.6°	NN-29.0°	SS-29.9°	XX-55.2°	RR-35.0°

CAR RAILS, CAR BUFFERS, CWT RAILS & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER REGARDLESS OF WHETHER ELEVATORS ACT INDEPENDENTLY OF EACH OTHER, CAR OR CWT. RAIL IMPACTS OCCUR SIMULTANEOUSLY WITH TIE RODS COMPRESSION UP-PULL

NOTES
1) SUPPORT BEAMS MIN 8" WIDE FLANGE BY OTHERS
2) BUFFER STEEL RUNS, LADDERS BY OWNERS LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER
3) ALL PIT DOORS ARE TO BE 3'-0"x7'-0 (BY OTHERS)

NO.	DATE	SUB. NO.	BY
0	8-1-66	ISSUED FOR BID	
1	1-15-67	—	JMM
2	4-25-67	—	JMM

REVISIONS

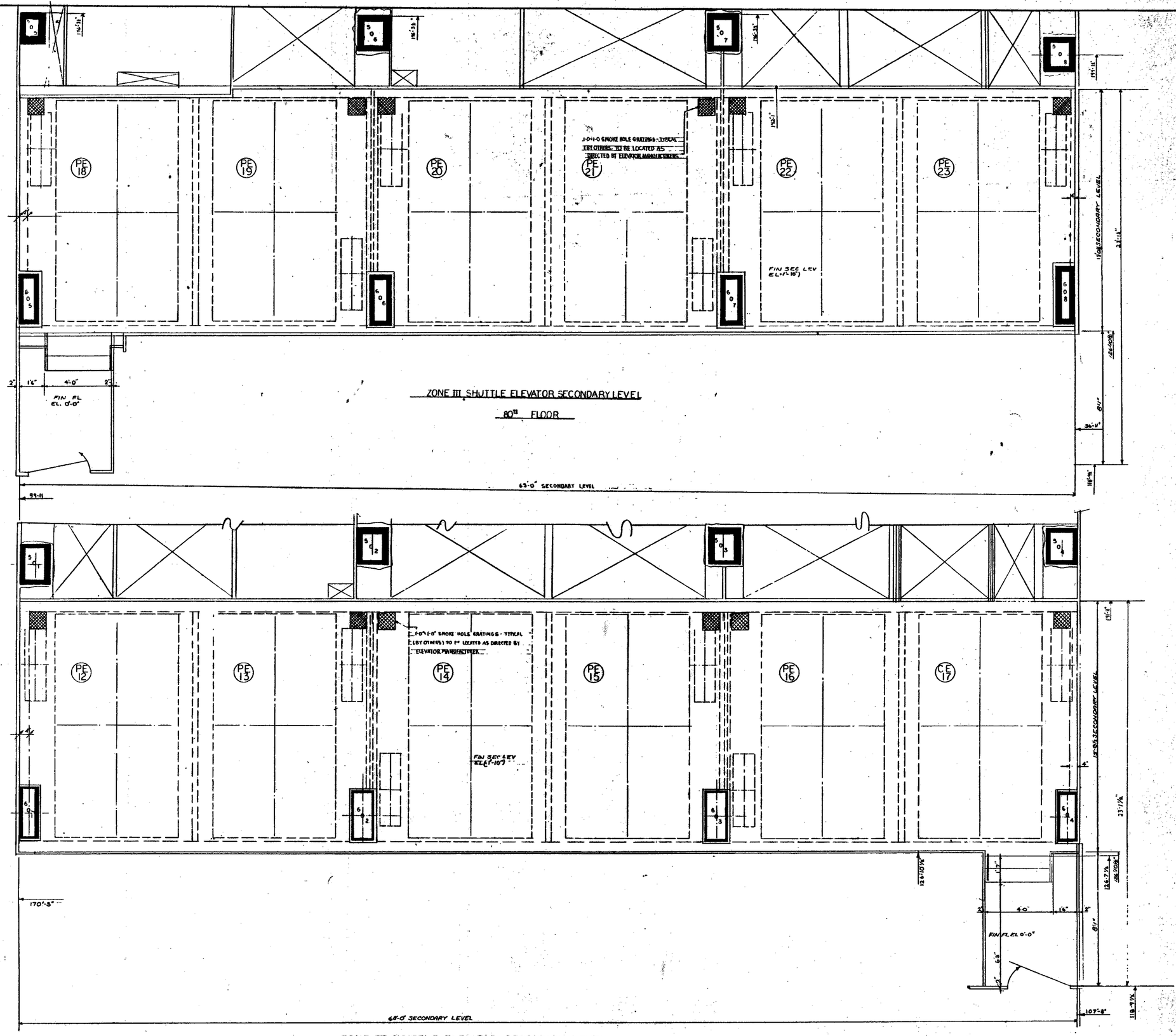
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE I PIT PLAN
BANKS A B C & D, SHUTTLE & FREIGHT ELEVATORS

DRAWN	R.S.C.	CONSIDERED	C.L.K.
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-2		



ZONE III SHUTTLE ELEVATOR SECONDARY LEVEL
80TH FLOOR

NO.	DATE	REVISIONS	BY
	8-1-66	ISSUED FOR BID	
1	3-22-67		JMF
2	5-8-67		JMF
3	9-12-67		RSC

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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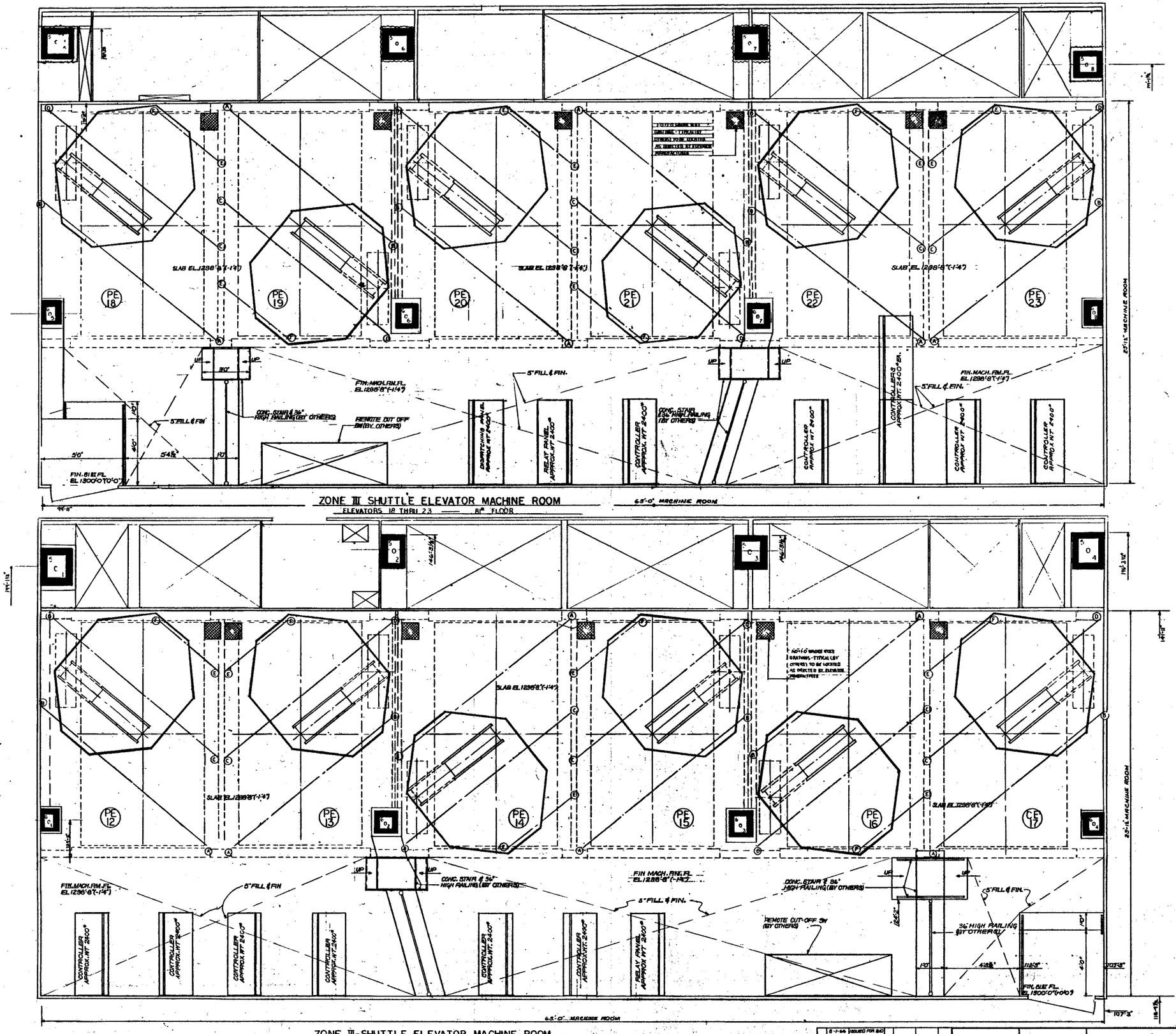
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III SHUTTLE ELEVATOR SECONDARY LEVEL

DRAWN	RSC	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-20		



REACTIONS			
A	44.8°	D	4.7°
B	111.0°	E	30.0°
C	3.9°	F	67.0°

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

ZONE III-SHUTTLE ELEVATOR MACHINE ROOM
81ST FLOOR

NO.	DATE	ISSUED FOR BID	BY
1	5-22-67	—	JMM
2	5-8-67	—	JMM
3	5-22-67	—	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

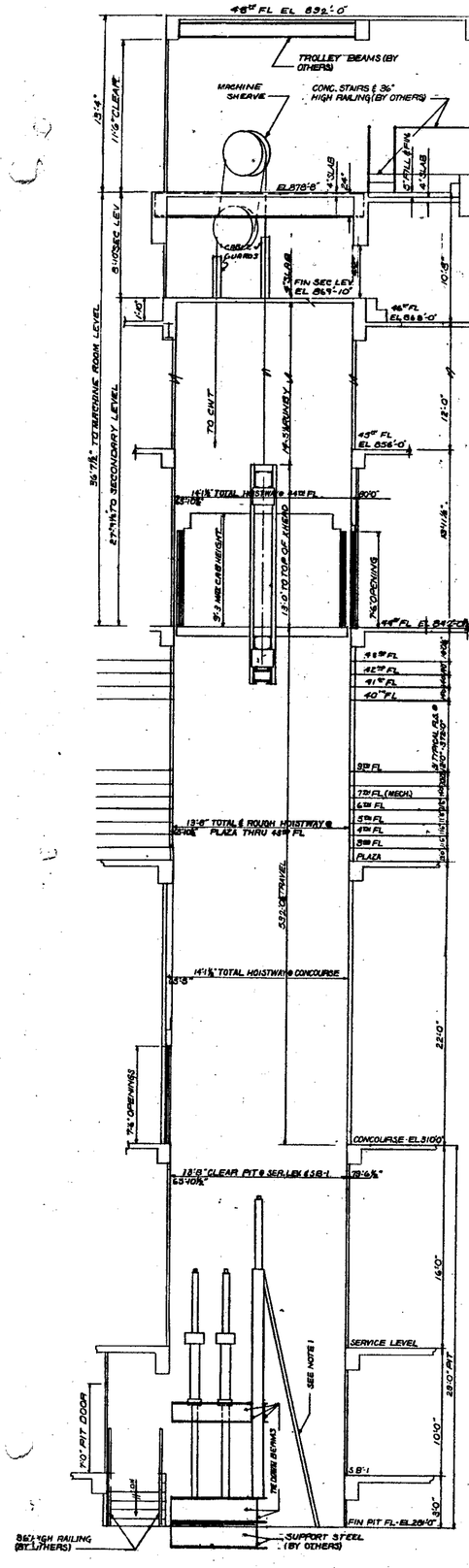
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

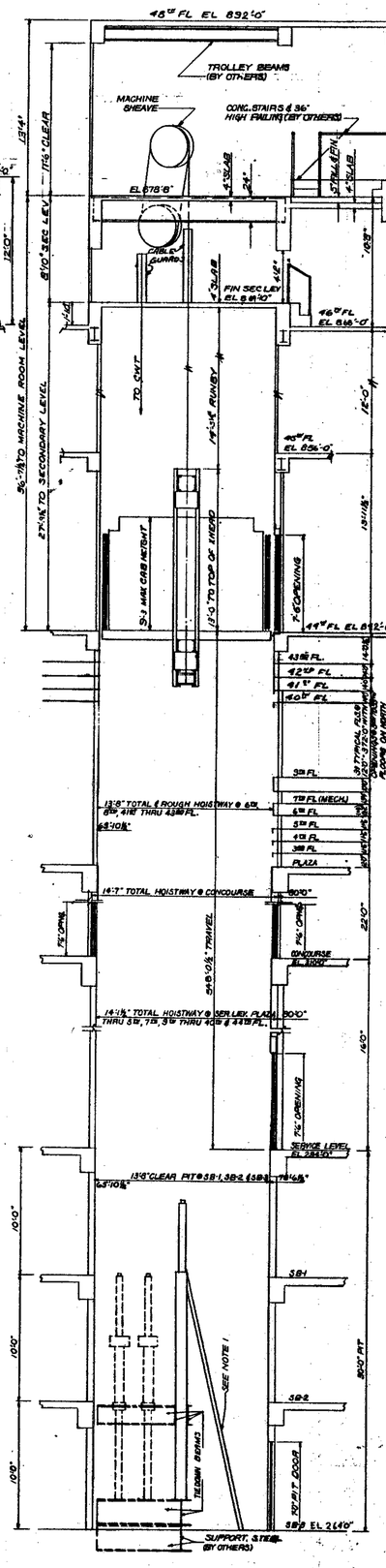
TITLE: ZONE III SHUTTLE ELEVATORS MACHINE ROOM

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	7-10-68
PROJECT NUMBER		SHEET	OF

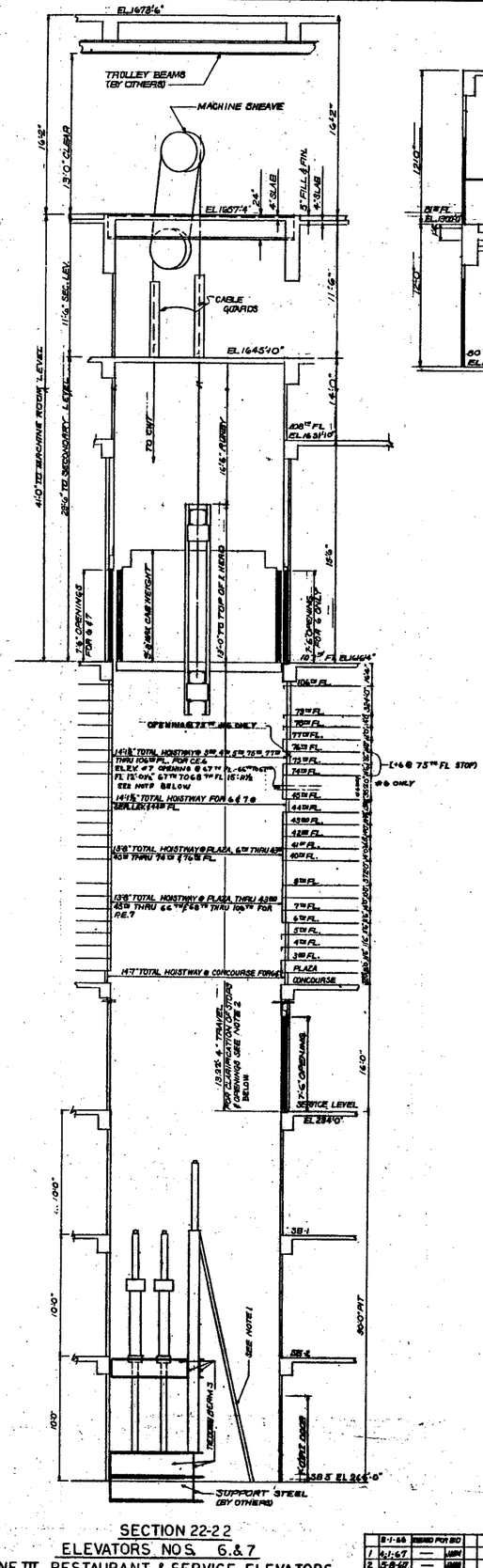
L-A-21



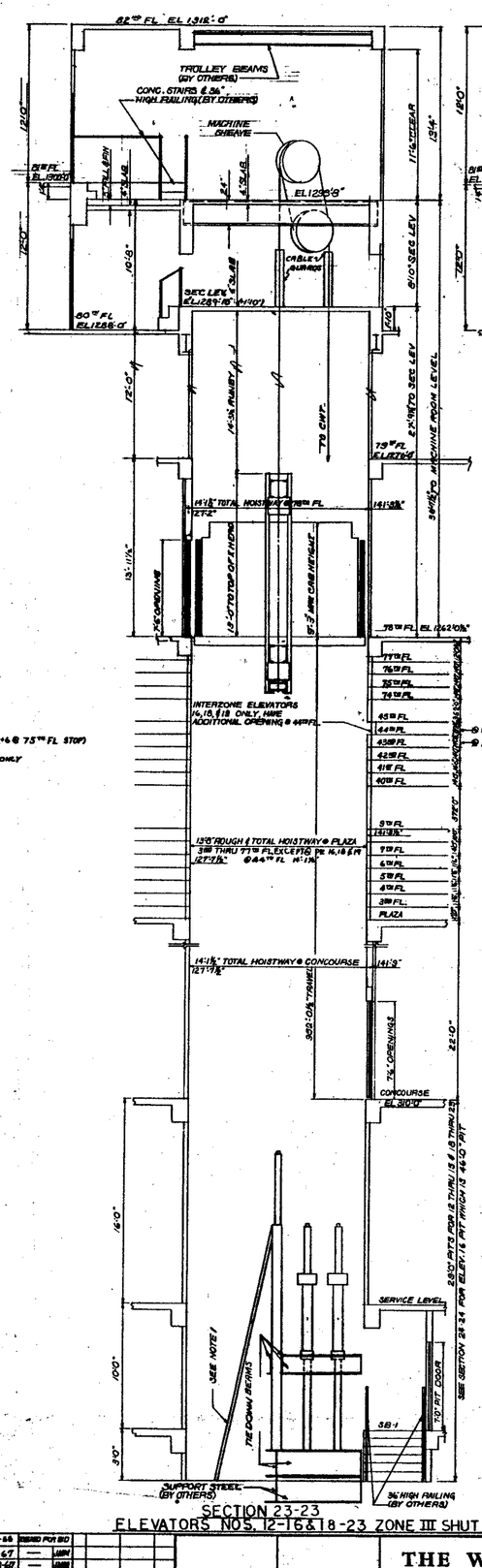
SECTION 20-20
ELEVATORS NOS 1-4 & 8-11
ZONE II SHUTTLES



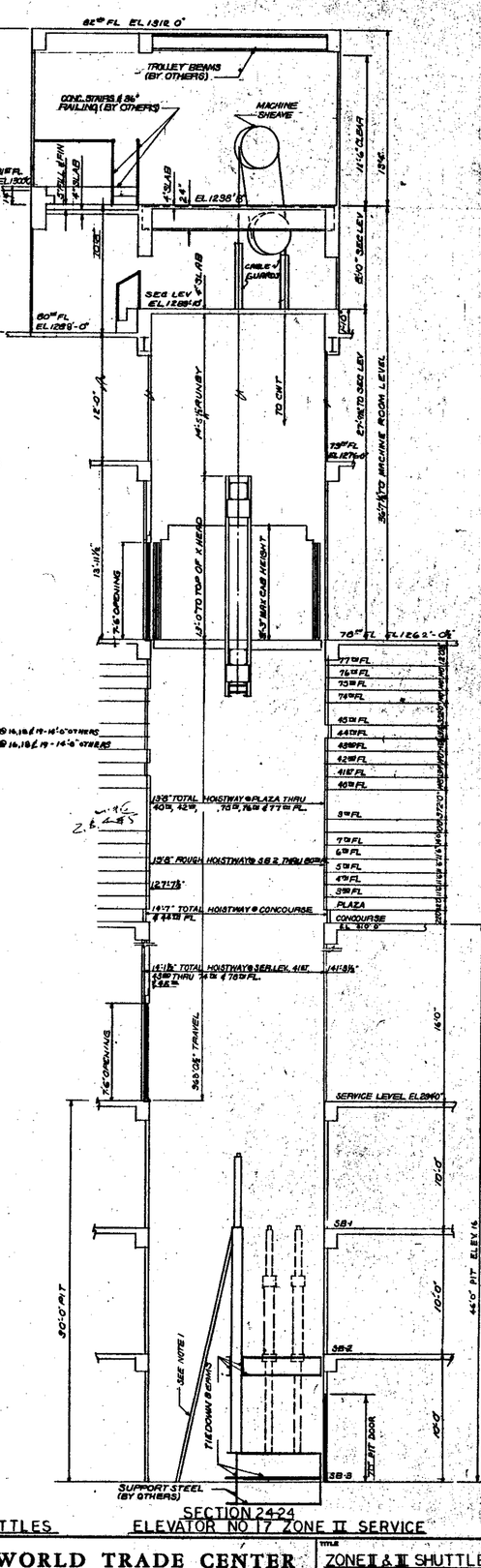
SECTION 21-21
ELEVATOR NO 5
ZONE I SERVICE ELEVATOR



SECTION 22-22
ELEVATORS NOS. 6 & 7
ZONE III RESTAURANT & SERVICE ELEVATORS



SECTION 23-23
ELEVATORS NOS. 12-16 & 18-23 ZONE III SHUTTLES



SECTION 24-24
ELEVATOR NO 17 ZONE II SERVICE

NOTES
1- BUMPER STEEL RUNS, LADDERS (BY OTHERS) TO BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR
2- FOR SCHEDULE OF OPENINGS SEE DWG NO L-A-22
3- BUMPER BLOCKING BY ELEV CONT.

NO.	DATE	DESCRIPTION	BY
1	4-1-67	—	MBM
2	5-8-67	—	MBM

REVISIONS

APPROVED
OWNER, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

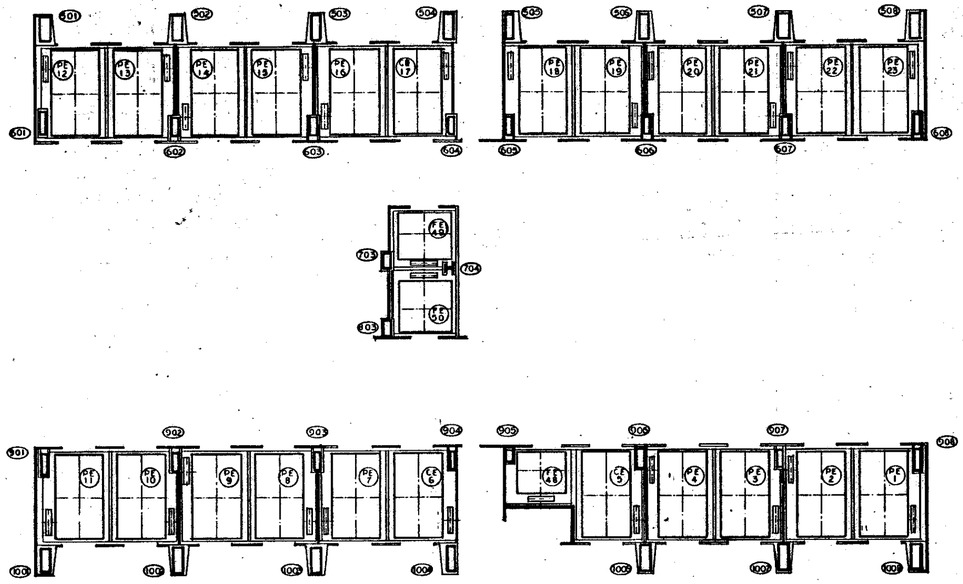
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE I & II SHUTTLE ELEVATORS-ELEVATIONS

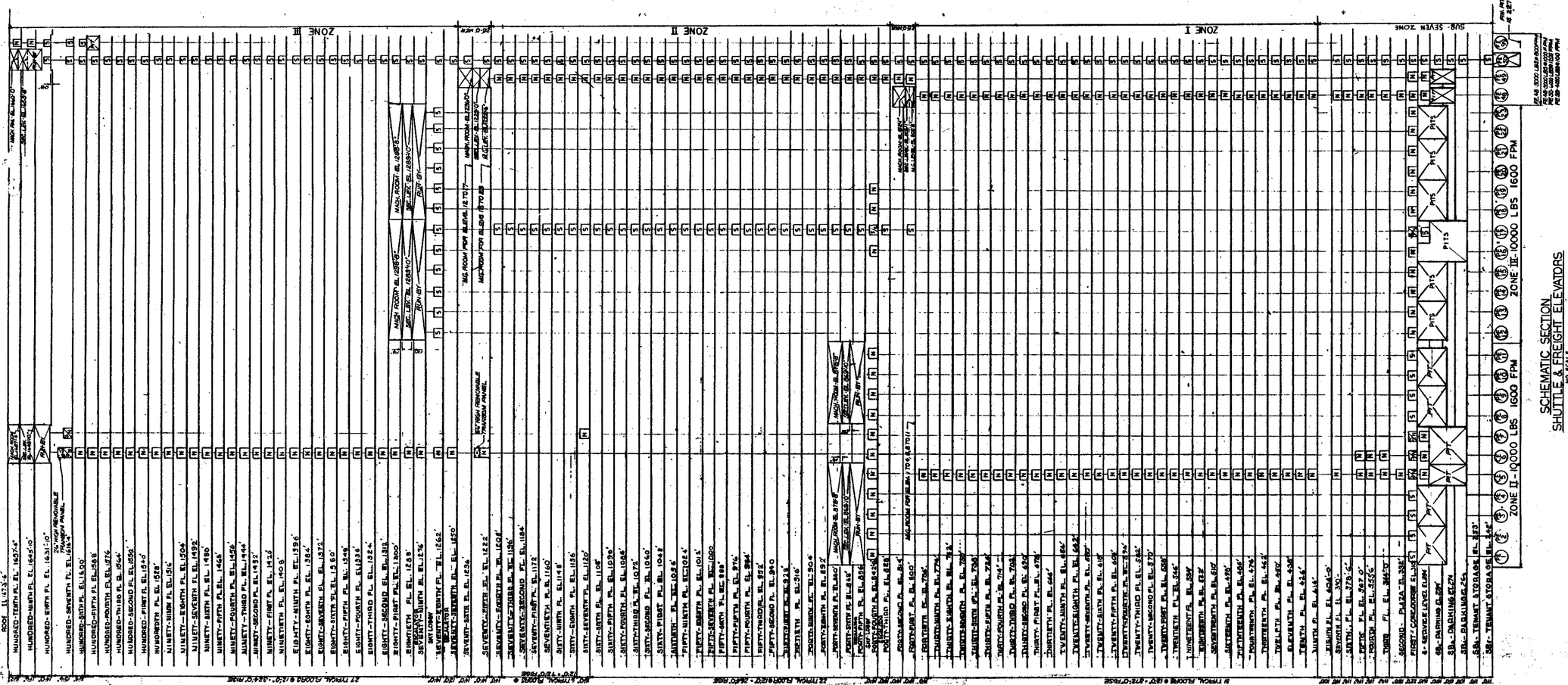
DRAWN	R&C	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT MANAGER		APPROVED	
DRAWING NO.	L-A-22		

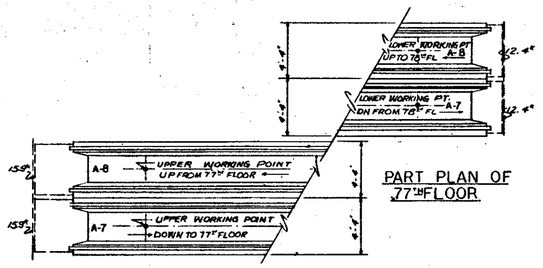


NORTH
TOWER A

Elev 17 to OPEN @ 2,5,4&5
" 45 " @ 23 45'

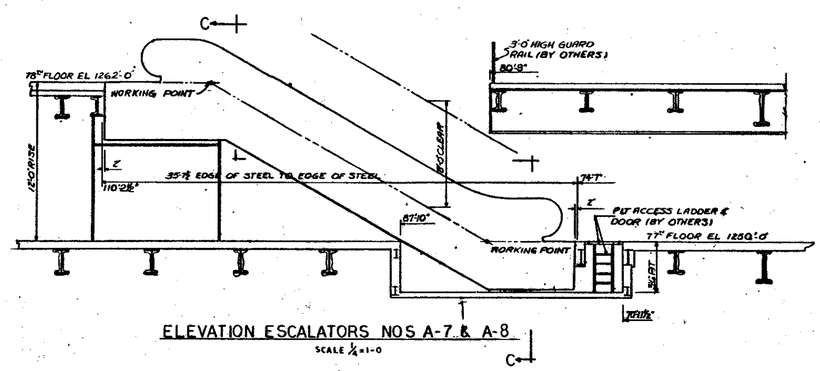
PLOT PLAN SHUTTLE AND FREIGHT ELEVATORS


ZONE III
ZONE II
ZONE I
SUB-SEVEN ZONE
ROOF EL. 1473'-6"
HUNDRED-TENTH FL. EL. 1457'-6"
HUNDRED-NINTH FL. EL. 1445'-10"
HUNDRED-EIGHTH FL. EL. 1434'-2"
HUNDRED-SEVENTH FL. EL. 1422'-6"
HUNDRED-SIXTH FL. EL. 1410'-10"
HUNDRED-FIFTH FL. EL. 1399'-2"
HUNDRED-FOURTH FL. EL. 1387'-6"
HUNDRED-THIRD FL. EL. 1376'-10"
HUNDRED-SECOND FL. EL. 1364'-2"
HUNDRED-FIRST FL. EL. 1352'-6"
NINETY-NINTH FL. EL. 1340'-10"
NINETY-EIGHTH FL. EL. 1329'-2"
NINETY-SEVENTH FL. EL. 1317'-6"
NINETY-SIXTH FL. EL. 1305'-10"
NINETY-FIFTH FL. EL. 1294'-2"
NINETY-FOURTH FL. EL. 1282'-6"
NINETY-THIRD FL. EL. 1270'-10"
NINETY-SECOND FL. EL. 1259'-2"
NINETY-FIRST FL. EL. 1247'-6"
EIGHTY-NINTH FL. EL. 1235'-10"
EIGHTY-EIGHTH FL. EL. 1224'-2"
EIGHTY-SEVENTH FL. EL. 1212'-6"
EIGHTY-SIXTH FL. EL. 1200'-10"
EIGHTY-FIFTH FL. EL. 1189'-2"
EIGHTY-FOURTH FL. EL. 1177'-6"
EIGHTY-THIRD FL. EL. 1165'-10"
EIGHTY-SECOND FL. EL. 1154'-2"
EIGHTY-FIRST FL. EL. 1142'-6"
SEVENTY-NINTH FL. EL. 1130'-10"
SEVENTY-EIGHTH FL. EL. 1119'-2"
SEVENTY-SEVENTH FL. EL. 1107'-6"
SEVENTY-SIXTH FL. EL. 1095'-10"
SEVENTY-FIFTH FL. EL. 1084'-2"
SEVENTY-FOURTH FL. EL. 1072'-6"
SEVENTY-THIRD FL. EL. 1060'-10"
SEVENTY-SECOND FL. EL. 1049'-2"
SEVENTY-FIRST FL. EL. 1037'-6"
SEVENTY FL. EL. 1025'-10"
SIXTY-NINTH FL. EL. 1014'-2"
SIXTY-EIGHTH FL. EL. 1002'-6"
SIXTY-SEVENTH FL. EL. 990'-10"
SIXTY-SIXTH FL. EL. 979'-2"
SIXTY-FIFTH FL. EL. 967'-6"
SIXTY-FOURTH FL. EL. 955'-10"
SIXTY-THIRD FL. EL. 944'-2"
SIXTY-SECOND FL. EL. 932'-6"
SIXTY-FIRST FL. EL. 920'-10"
SIXTY FL. EL. 909'-2"
FIFTY-NINTH FL. EL. 897'-6"
FIFTY-EIGHTH FL. EL. 885'-10"
FIFTY-SEVENTH FL. EL. 874'-2"
FIFTY-SIXTH FL. EL. 862'-6"
FIFTY-FIFTH FL. EL. 850'-10"
FIFTY-FOURTH FL. EL. 839'-2"
FIFTY-THIRD FL. EL. 827'-6"
FIFTY-SECOND FL. EL. 815'-10"
FIFTY-FIRST FL. EL. 804'-2"
FIFTY FL. EL. 792'-6"
FORTY-NINTH FL. EL. 780'-10"
FORTY-EIGHTH FL. EL. 769'-2"
FORTY-SEVENTH FL. EL. 757'-6"
FORTY-SIXTH FL. EL. 745'-10"
FORTY-FIFTH FL. EL. 734'-2"
FORTY-FOURTH FL. EL. 722'-6"
FORTY-THIRD FL. EL. 710'-10"
FORTY-SECOND FL. EL. 699'-2"
FORTY-FIRST FL. EL. 687'-6"
FORTY FL. EL. 675'-10"
THIRTY-NINTH FL. EL. 664'-2"
THIRTY-EIGHTH FL. EL. 652'-6"
THIRTY-SEVENTH FL. EL. 640'-10"
THIRTY-SIXTH FL. EL. 629'-2"
THIRTY-FIFTH FL. EL. 617'-6"
THIRTY-FOURTH FL. EL. 605'-10"
THIRTY-THIRD FL. EL. 594'-2"
THIRTY-SECOND FL. EL. 582'-6"
THIRTY-FIRST FL. EL. 570'-10"
THIRTY FL. EL. 559'-2"
TWENTY-NINTH FL. EL. 547'-6"
TWENTY-EIGHTH FL. EL. 535'-10"
TWENTY-SEVENTH FL. EL. 524'-2"
TWENTY-SIXTH FL. EL. 512'-6"
TWENTY-FIFTH FL. EL. 500'-10"
TWENTY-FOURTH FL. EL. 489'-2"
TWENTY-THIRD FL. EL. 477'-6"
TWENTY-SECOND FL. EL. 465'-10"
TWENTY-FIRST FL. EL. 454'-2"
TWENTY FL. EL. 442'-6"
NINETEENTH FL. EL. 430'-10"
EIGHTEENTH FL. EL. 419'-2"
SEVENTEENTH FL. EL. 407'-6"
SIXTEENTH FL. EL. 395'-10"
FIFTEENTH FL. EL. 384'-2"
FOURTEENTH FL. EL. 372'-6"
THIRTEENTH FL. EL. 360'-10"
TWELFTH FL. EL. 349'-2"
ELEVENTH FL. EL. 337'-6"
TENTH FL. EL. 325'-10"
NINTH FL. EL. 314'-2"
EIGHTH FL. EL. 302'-6"
SEVENTH FL. EL. 290'-10"
SIXTH FL. EL. 279'-2"
FIFTH FL. EL. 267'-6"
FOURTH FL. EL. 255'-10"
THIRD FL. EL. 244'-2"
SECOND FL. EL. 232'-6"
FIRST CONCOURSE EL. 221'-0"
B-SERVICE LEVEL FLOOR
6B-PARKING FLOOR
5B-PARKING FLOOR
5BM-TENANT STORAGE EL. 183'-6"
5BF-TENANT STORAGE EL. 172'-6"
MACHINE ROOM EL. 1460'-0"
MACH. ROOM EL. 1338'-0"
MACH. ROOM EL. 1216'-0"
MACH. ROOM EL. 1094'-0"
MACH. ROOM EL. 972'-0"
MACH. ROOM EL. 850'-0"
MACH. ROOM EL. 728'-0"
MACH. ROOM EL. 606'-0"
MACH. ROOM EL. 484'-0"
MACH. ROOM EL. 362'-0"
MACH. ROOM EL. 240'-0"
MACH. ROOM EL. 118'-0"
MACH.

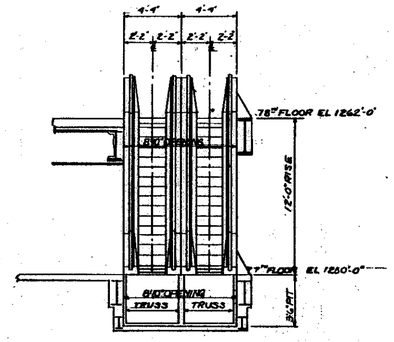


PART PLAN OF 77TH FLOOR

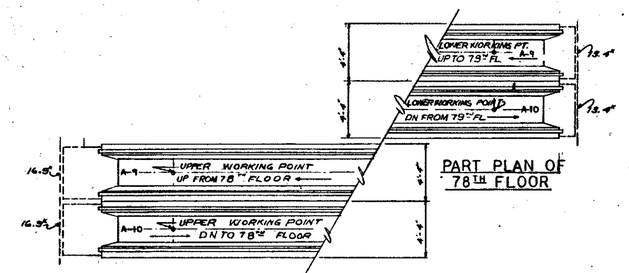
PART PLAN OF 78TH FLOOR



ELEVATION ESCALATORS NOS A-7 & A-8
SCALE ¼"=1'-0

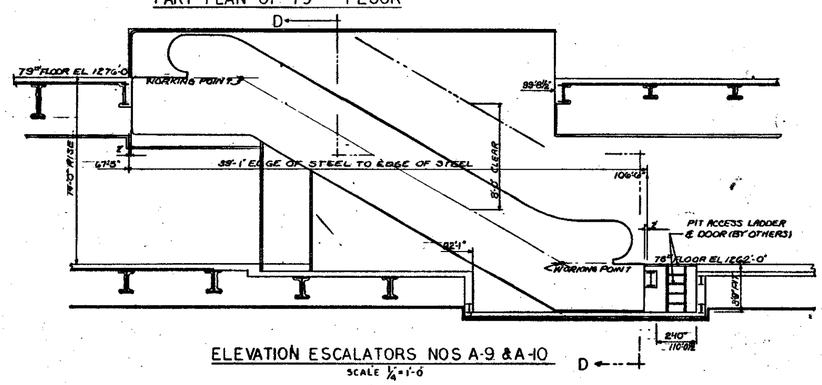


SECTION C-C

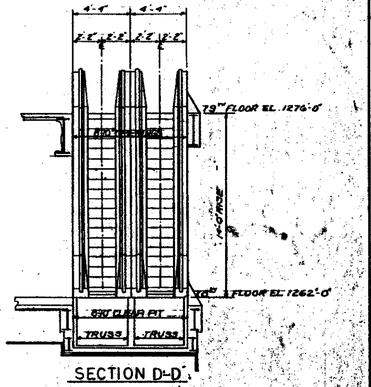


PART PLAN OF 78TH FLOOR

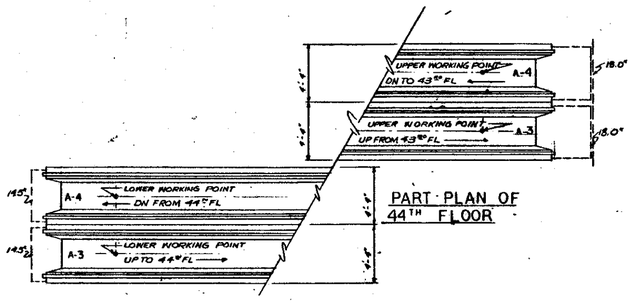
PART PLAN OF 79TH FLOOR



ELEVATION ESCALATORS NOS A-9 & A-10
SCALE ¼"=1'-0

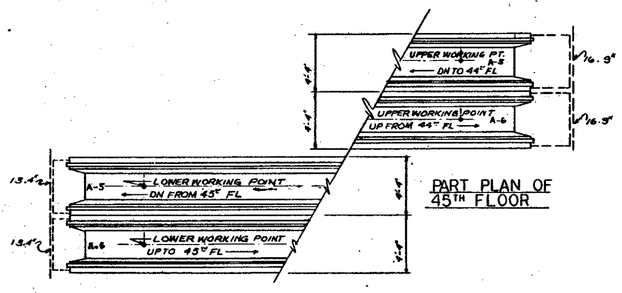


SECTION D-D



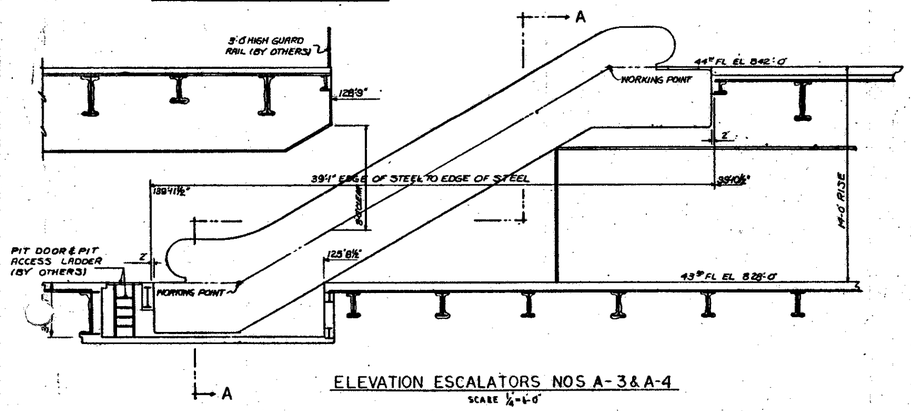
PART PLAN OF 44TH FLOOR

NOTE TO STRUCTURAL ENGINEER!
LOADS ARE UNIFORMALY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES DUE TO MOVING LOADS WHICH ARE APPROXIMATLY 35% TOTAL LOAD GIVEN

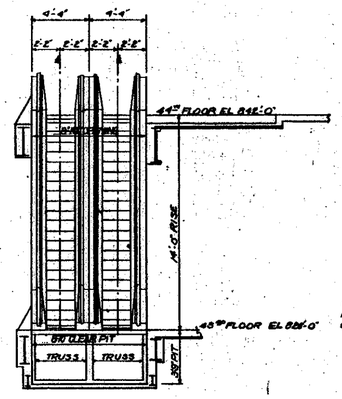


PART PLAN OF 45TH FLOOR

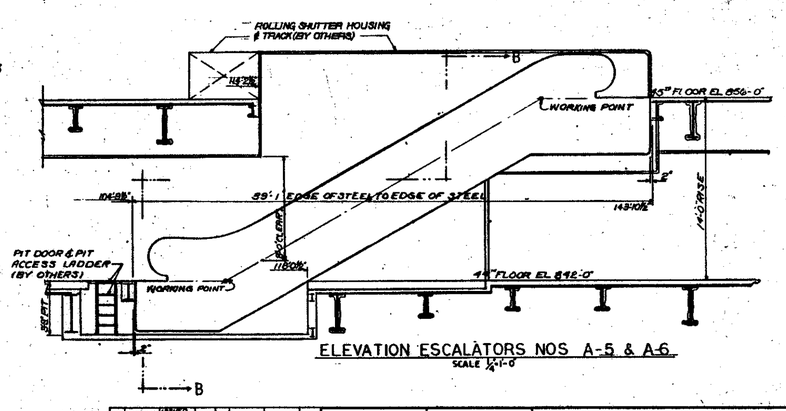
PART PLAN OF 43RD FLOOR



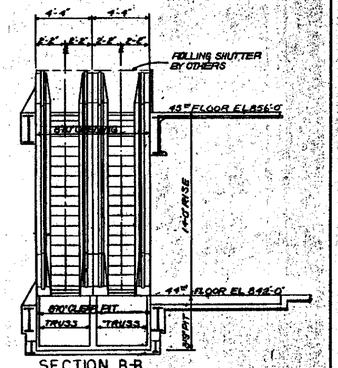
ELEVATION ESCALATORS NOS A-3 & A-4
SCALE ½"=1'-0"



SECTION A-A



ELEVATION ESCALATORS NOS A-5 & A-6
SCALE ¼"=1'-0



SECTION B-B

NO.	DATE	SUB. NO.	BY
	8-15-66	25-210 Rev #10	
1	3-2-67	—	J. MA.
2	5-10-67	—	JMM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

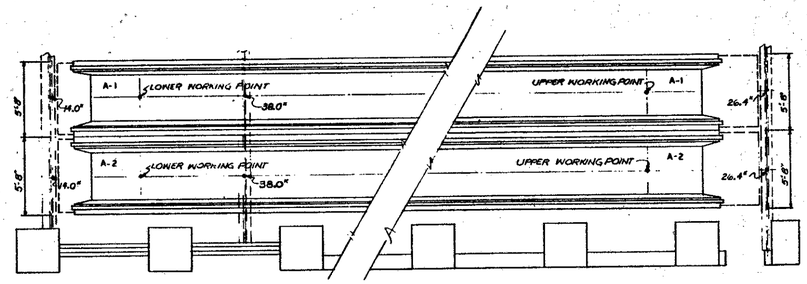
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER ESCALATORS NOS. 3 THRU 10-DETAILS

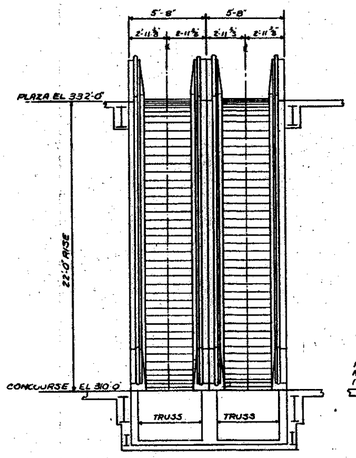
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	¼"=1'-0"	DATE	8-1-66
PROJECT APPROVED		SURVEY NO.	
DRAWING NUMBER	L-A-24		

NOTE TO STRUCTURAL ENGINEER
1. LOADS ARE UNIFORMALLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES DUE TO MOVING LOADS WHICH ARE APPROXIMATELY 33% TOTAL LOAD GIVEN
2. TOP OF SUPPORT BEAMS TO BE LOCATED A MIN. OF 4½" BELOW FIN. FLOOR.

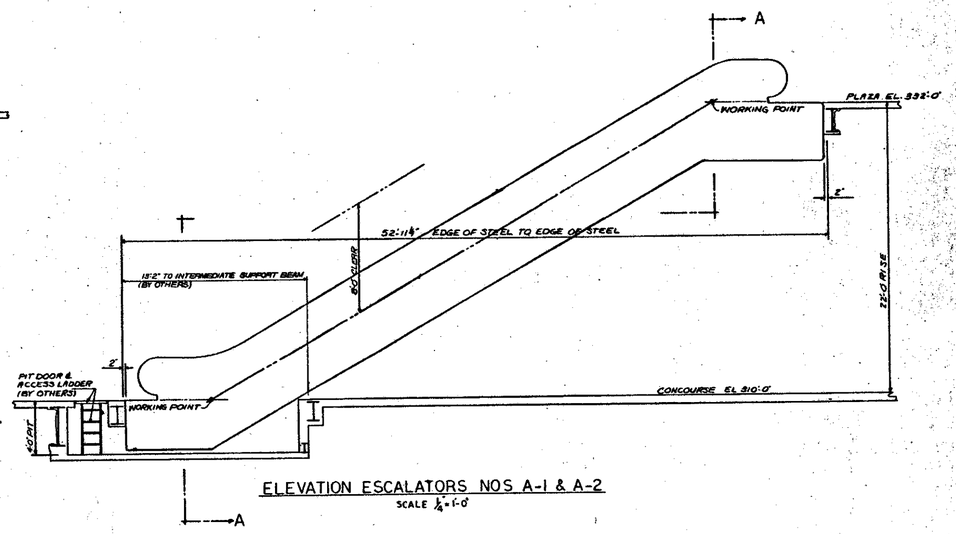


PART PLAN CONCOURSE LEVEL

PART PLAN PLAZA LEVEL



SECTION A-A



ELEVATION ESCALATORS NOS A-1 & A-2
SCALE ½"=1'-0"

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
	8-15-66	ISSUED FOR BID.					
1	9-22-66	—	UM				
2	4-5-67	—	JMM				
3	5-13-67	—	JMM				
4	9-28-67	—	R.S.C.				

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

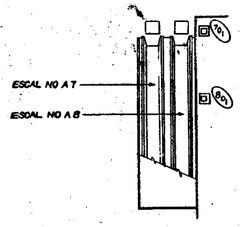
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

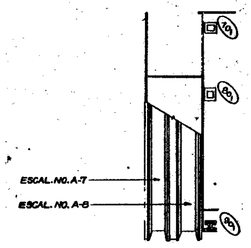
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER ESCALATORS NOS A-1 & A-2

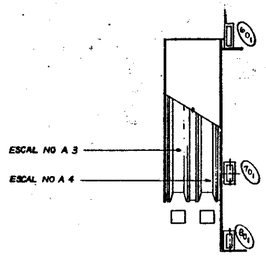
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	8-1-66
PROJECT NUMBER		SHEET	60
DRAWING NUMBER	L-A-25		



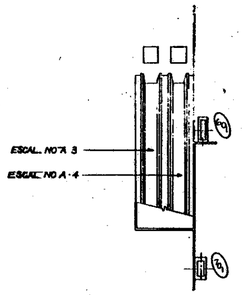
PART PLAN-78TH FL



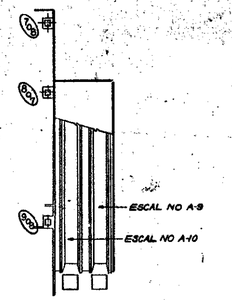
PART PLAN 77TH FL



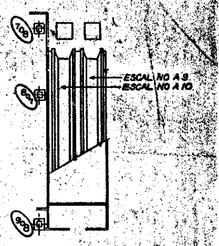
PART PLAN 44TH FL



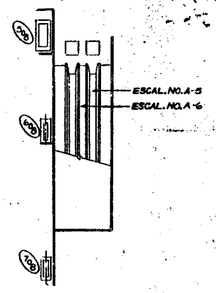
PART PLAN 43RD FL



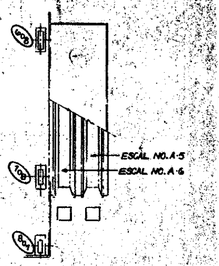
PART PLAN 79TH FL



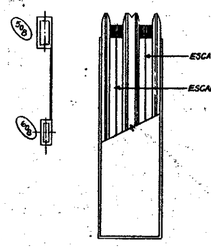
PART PLAN 78TH FL



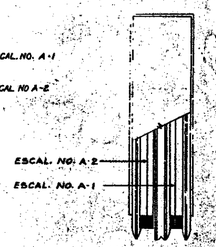
PART PLAN-45TH FL



PART PLAN-44TH FL



PART PLAN PLAZA



PART PLAN PLAZA

REVISIONS				REVISIONS		
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
1	5-18-67	—	JMM				

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

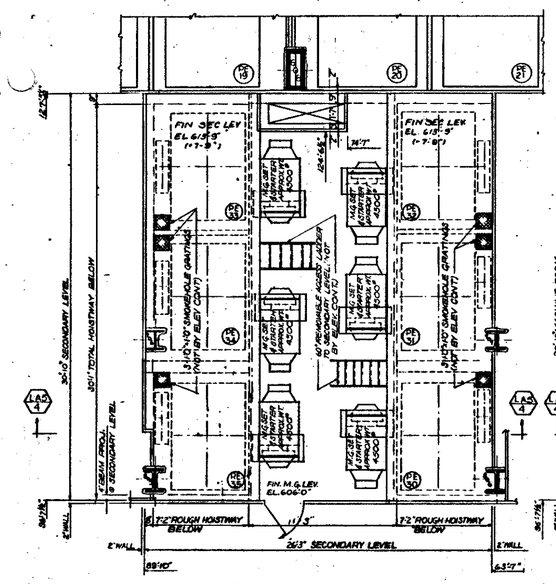
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

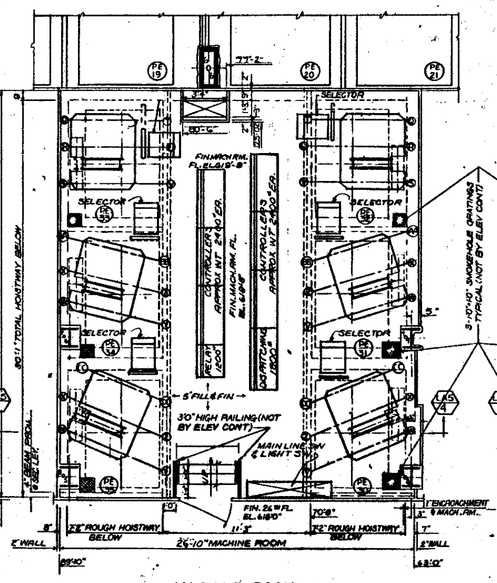
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER ESCALATOR PLOT PLAN

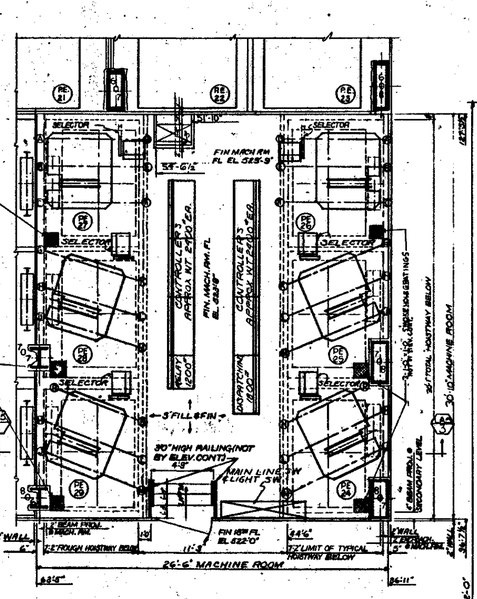
DRAWN	VMR	CORRECTED	CLK
SCALE	1/8"=1'-0"	DATE	4-7-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-26		



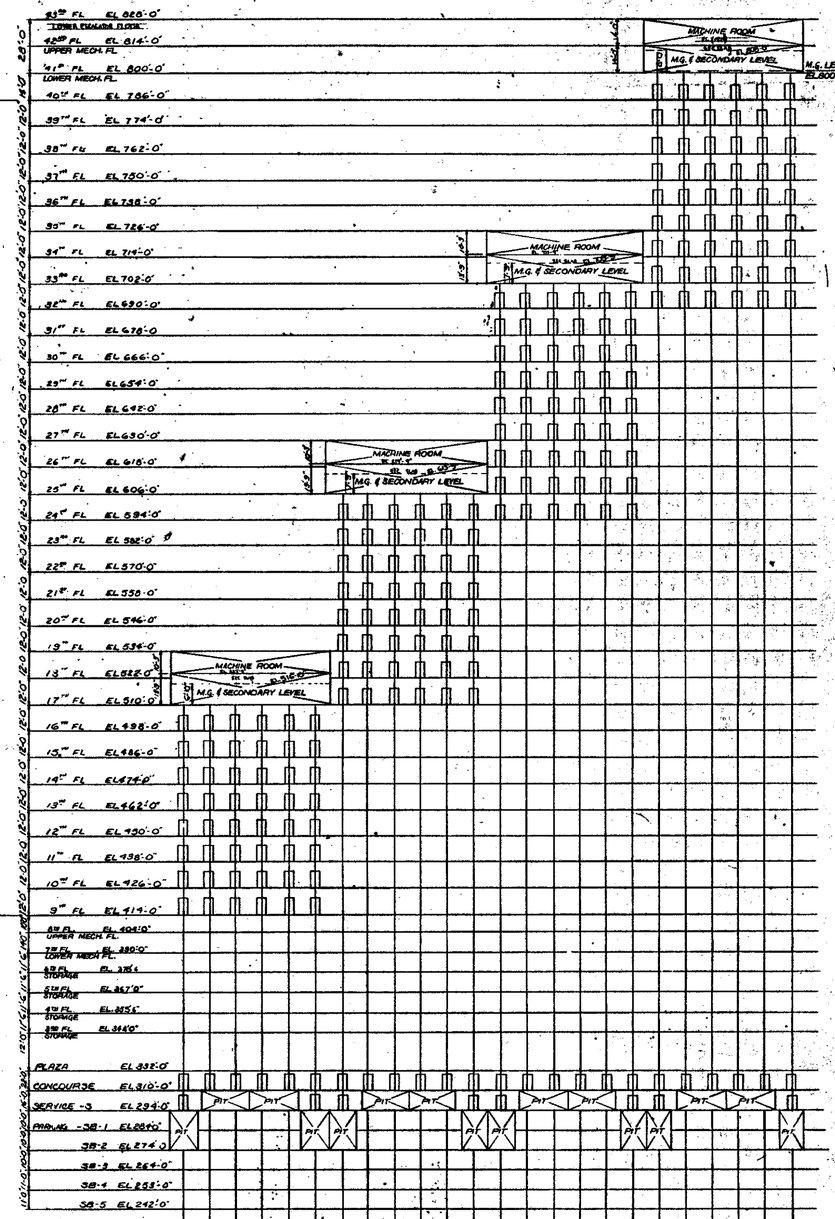
SECONDARY LEVEL
BANK 'B'
25TH FLOOR



MACHINE ROOM
BANK 'B'
26TH FLOOR



MACHINE ROOM
BANK 'A'
18TH FLOOR



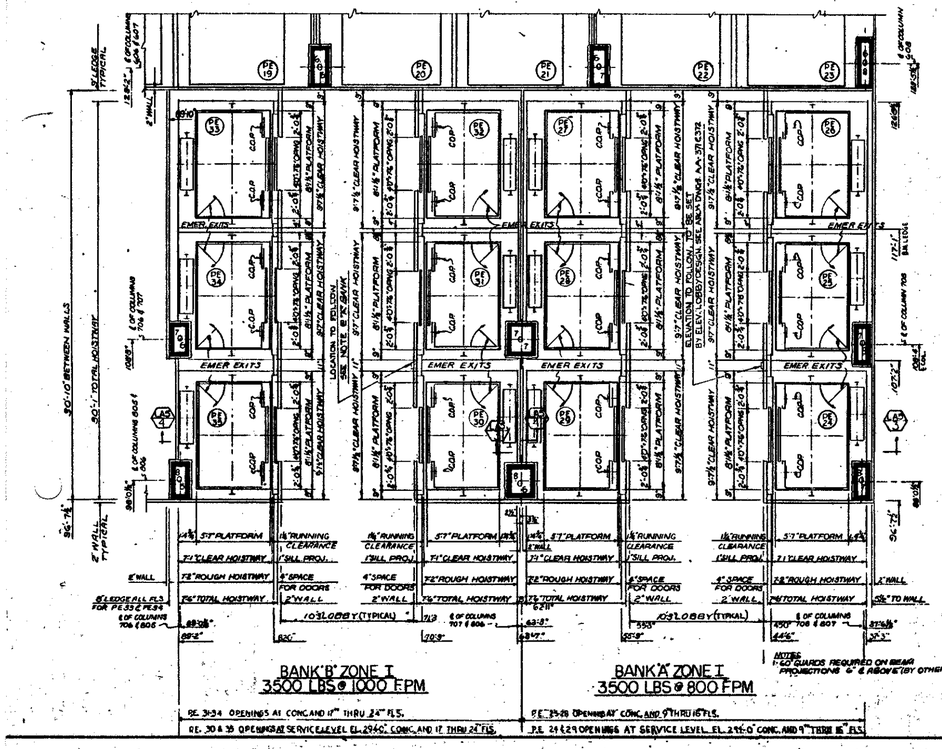
SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE 1-LOCAL ELEVATORS
NO SCALE

NOTE:
ELEVATION GIVEN ARE T.I.P. @ FLOOR
ELEVATOR STOP (FLOOR) ABOVE FLOOR
SEE SECTIONS ON DWG L-A5

REACTIONS

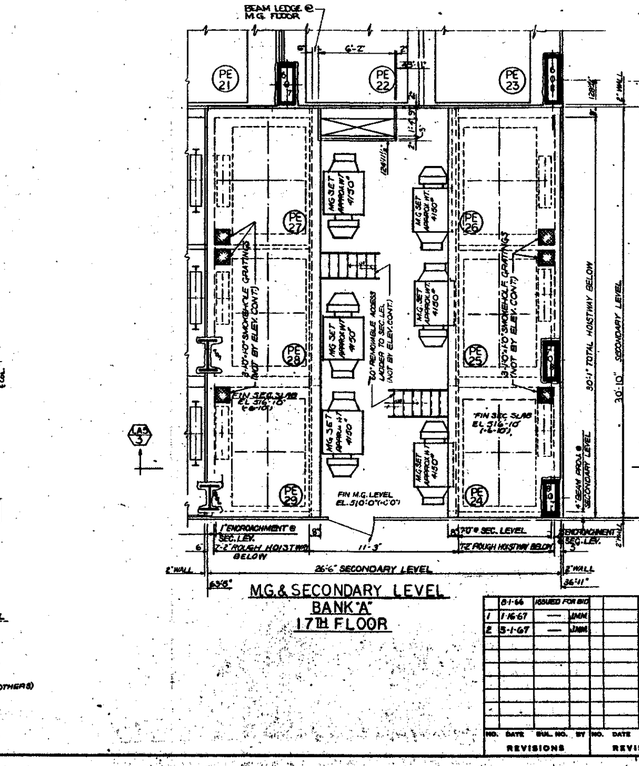
A	16.0K	H	5.6K	Q	16.3K	X	4.6K
B	4.9K	J	28.6K	R	4.9K	Y	15.0K
C	25.7K	K	14.5K	S	26.0K	Z	8.2K
D	9.8K	L	4.4K	T	9.9K	AA	14.0K
E	3.1K	M	13.0K	U	3.1K	BB	12.2K
F	15.8K	N	14.5K	V	16.0K	CC	14.0K
G	11.6K	P	11.4K	W	27.0K	DD	12.2K

NOTE ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.



BANK 'B' ZONE 1
3500 LBS @ 1000 FPM

RE. 3-34 OPENINGS AT CONC AND 17TH THRU 24TH FLS.
RE. 30 & 33 OPENINGS AT SERVICE LEVEL EL. 294'0" CONC. AND 17 THRU 24TH FLS.



BANK 'A' ZONE 1
3500 LBS @ 800 FPM

P.E. 3-28 OPENINGS AT CONC. AND 9TH THRU 16TH FLS.
P.E. 29 & 29 OPENINGS AT SERVICE LEVEL EL. 294'0" CONC. AND 9TH THRU 16TH FLS.

M.G. & SECONDARY LEVEL
BANK 'A'
17TH FLOOR

NO.	DATE	SUB. NO.	BY
0	8-1-66	ISSUED FOR BID	
1	1-16-67	—	HMH
2	5-1-67	—	HMH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

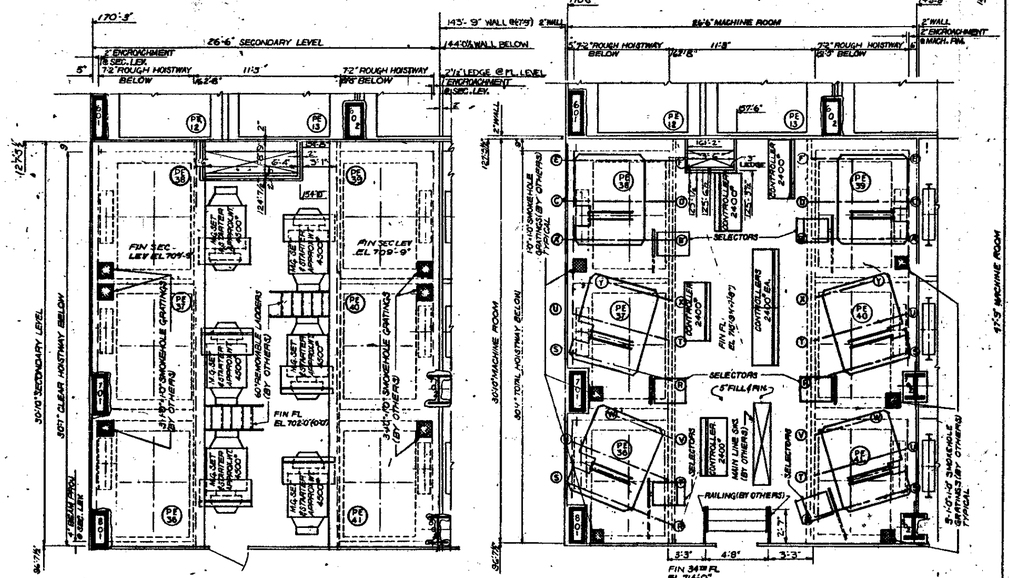
TITLE
ZONE 1 - RISER
BANKS 'A' & 'B' - SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4" = 1'-0"	DATE	7-15-66
PROJECT NUMBER		DESIGN	
DRAWING NUMBER	L-A-3		

REACTIONS

A	42.2ᵏ	H	16.4ᵏ	R	18.0ᵏ	Y	13.8ᵏ
B	16.3ᵏ	J	37.8ᵏ	S	39.0ᵏ	A'	36.5ᵏ
C	4.7ᵏ	K	23.1ᵏ	T	5.3ᵏ	B'	20.5ᵏ
D	5.3ᵏ	L	5.1ᵏ	U	4.7ᵏ	C'	5.1ᵏ
E	15.3ᵏ	M	2.9ᵏ	V	17.0ᵏ	D'	2.9ᵏ
F	16.4ᵏ	N	20.3ᵏ	W	13.6ᵏ	E'	18.8ᵏ
G	18.3ᵏ	P	11.4ᵏ	X	17.0ᵏ	F'	11.0ᵏ

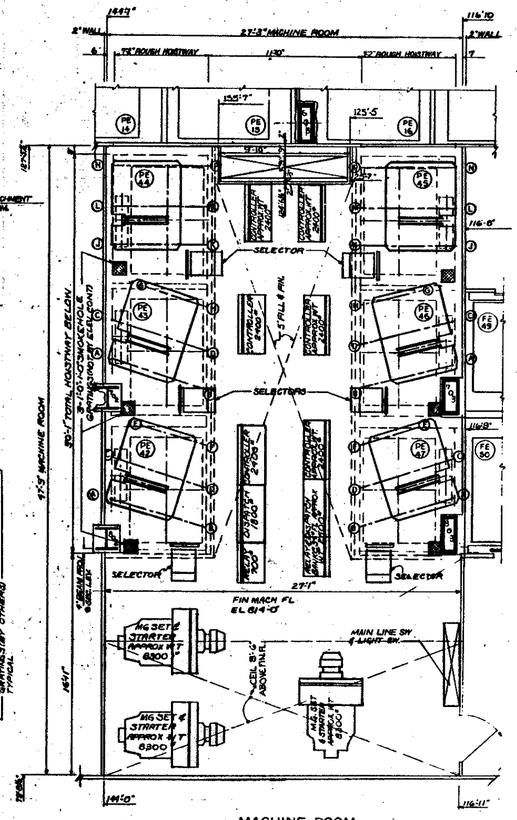
NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.



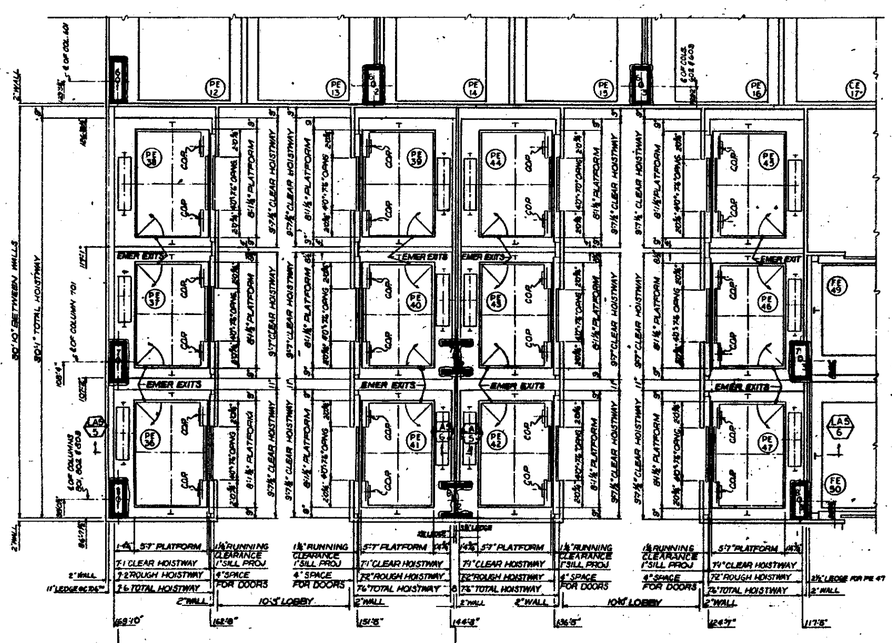
SECONDARY LEVEL
BANK 'C'
33RD FLOOR.

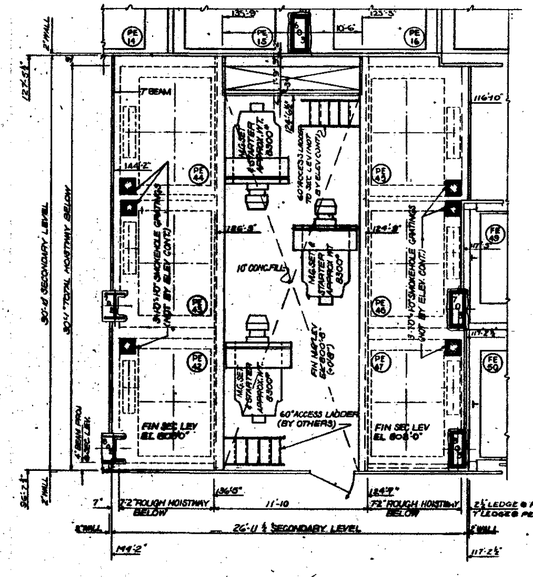
MACHINE ROOM
BANK 'C'
34TH FLOOR.

NOTE: RELAY & DISPATCHING EQUIPMENT TO BE LOCATED AT BANK D ZONE 1 ELEVATOR MACHINE ROOM @ 42ND FL. (BY ELEV. CONT.)



MACHINE ROOM
BANK D
42ND FL.- MECH





SECONDARY LEVEL
BANK 'D'
41ST FLOOR LOWER LEVEL

NO.	DATE	REVISED FOR BID	BY
	8-1-66		
1	1-16-67	—	LMK
2	5-1-67	—	MMG
3	5-22-67	—	R.S.C.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

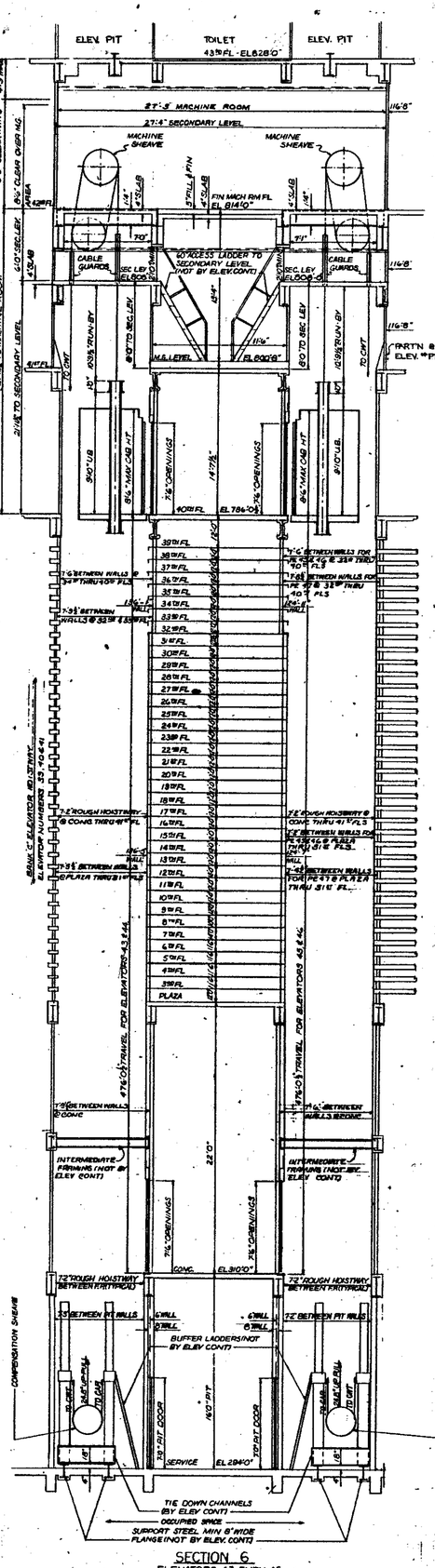
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARINE, SYSKIND, SEVERUD, YONKERS

TITLE
ZONE 1
BANKS 'C' & 'D' SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.A.R.
SCALE	1/8"=1'-0"	DATE	7-1-66
PROJECT NUMBER		SHEET	49
DRAWING NUMBER	L-A-4		



NO.	DATE	REVISED FOR BID	BY
1	1-16-67	—	J.E.M.
2	5-1-67	—	J.M.M.

APPROVED

CHIEF, PLANNING DIVISION

DATE

REVISIONS

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

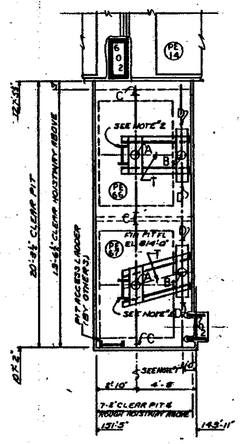
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH G. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

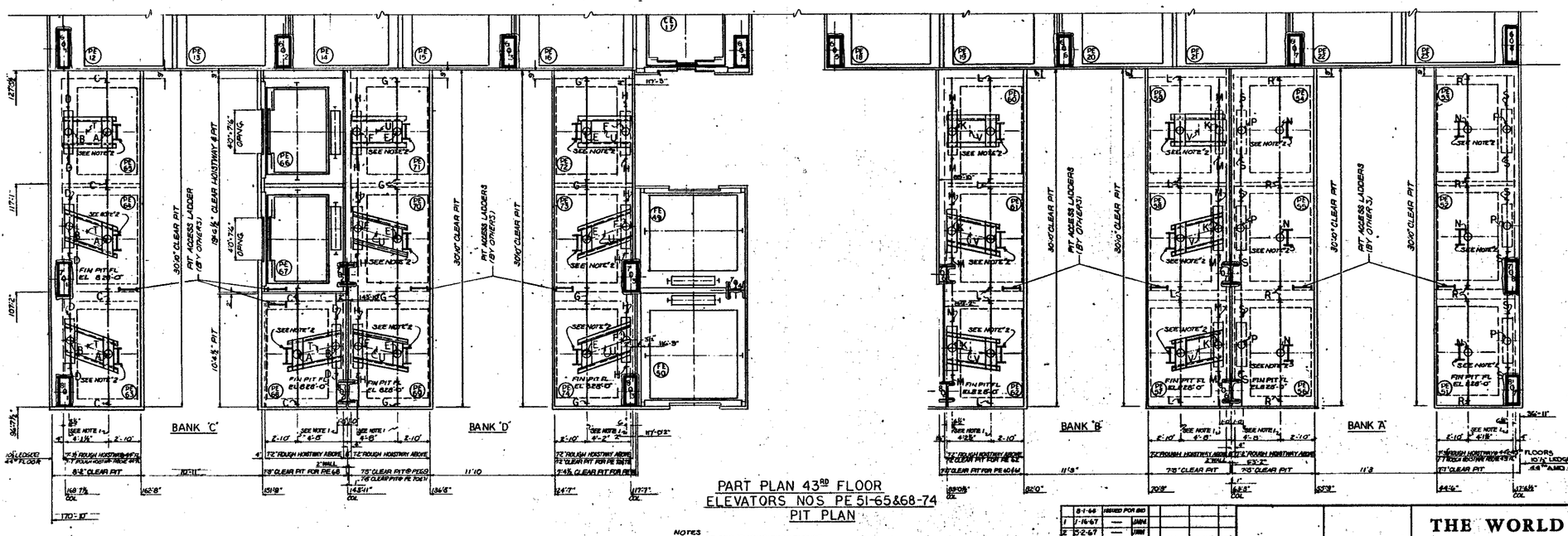
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE 1 ELEVATIONS BANK A, B, C & D

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"-1'-0"	DATE	7-15-66
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	L-A-5		



PART PLAN 42ND FLOOR
ELEVATORS NOS PE 66 & 67
PIT PLAN



PART PLAN 43RD FLOOR
ELEVATORS NOS PE 51-65&68-74
PIT PLAN

PIT REACTIONS

CAR BUFFER IMPACT	A-46.8*	E-48.4*	J-48.7*	N-48.3*
CWT BUFFER IMPACT	B-51.8*	F-52.1*	K-51.4*	P-51.0*
CAR RAIL IMPACT	C-27.0*	G-27.6*	L-26.7*	R-26.3*
CWT RAIL IMPACT	D-23.7*	H-23.9*	M-23.3*	S-23.0*
UP-PULL	T-21.2*	U-22.0	V-20.0*	

1-CAR RAILS, CAR BUFFERS, COUNTERWEIGHT RAILS, & COUNTERWEIGHT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.
2-CAR OR COUNTERWEIGHT RAIL IMPACTS OCCUR SIMULTANEOUSLY WITH TIE DOWN COMPENSATION UP-PULL.

NOTES
1) SUPPORT BEAMS MIN 8" WIDE FLANGE (BY OTHERS)
2) BUFFER STEEL RUNS (ADDERS (BY OTHERS LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER)

NO.	DATE	REVISIONS	BY
	8-1-66	ISSUED FOR BID	
1	1-16-67	—	JMH
2	5-2-67	—	JMH
3	5-22-67	—	RSC

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

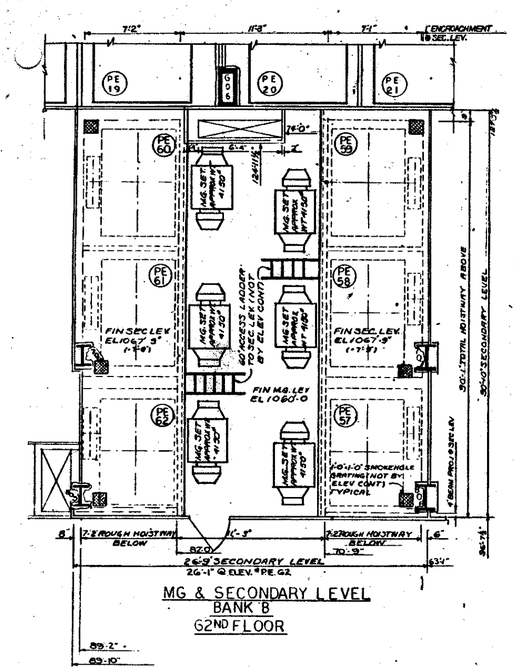
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

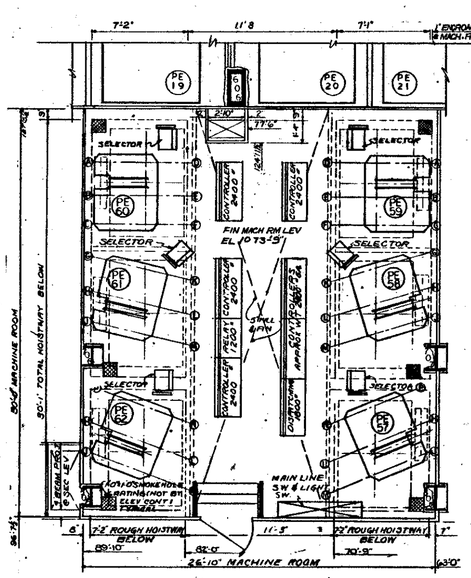
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II - PIT PLAN
BANKS A, B, C & D

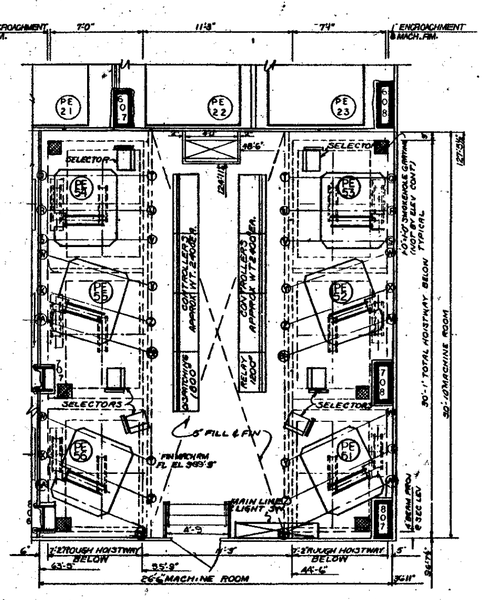
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/8"-1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-6		



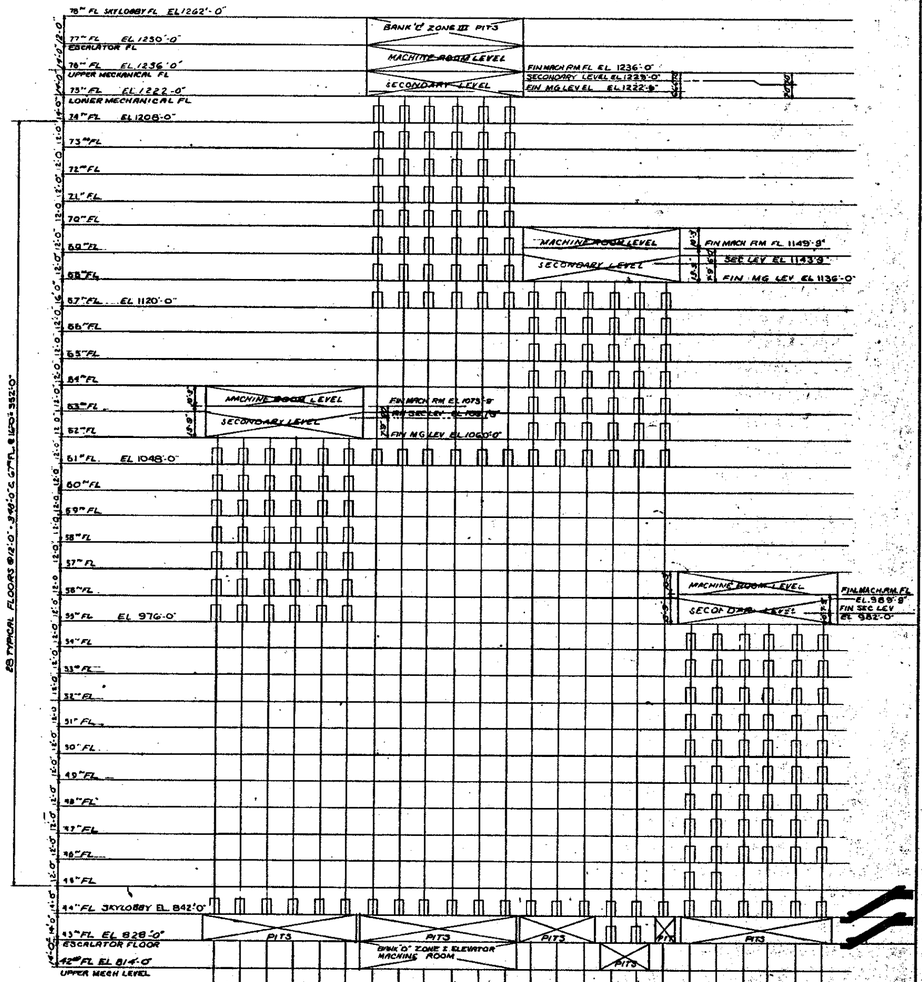
MG & SECONDARY LEVEL
BANK B
62ND FLOOR



MACHINE ROOM
BANK B
63ND FLOOR



MACHINE ROOM
BANK A
56TH FLOOR

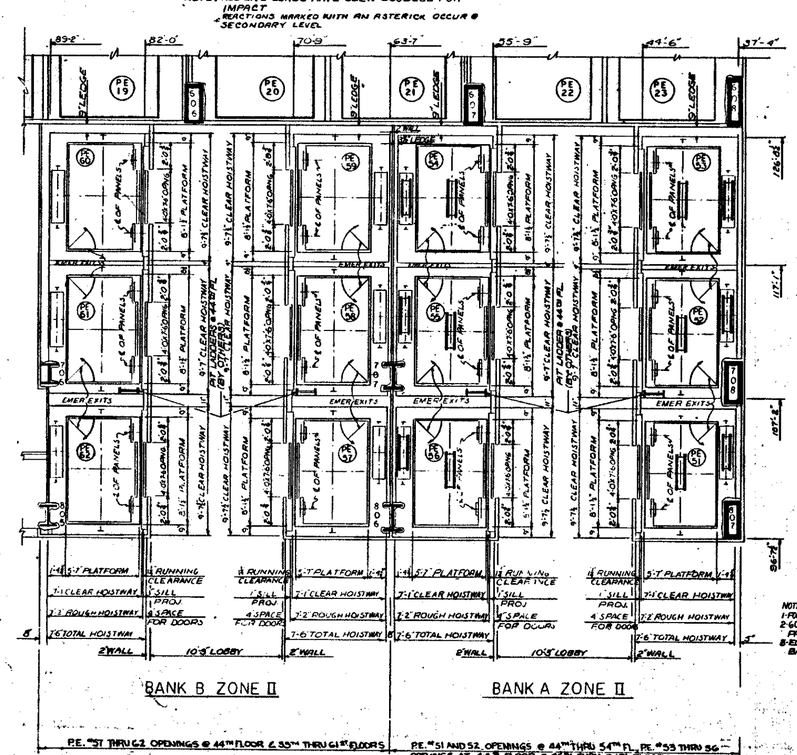


SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE II LOCAL ELEVATOR
NO SCALE

NOTE ELEVATIONS GIVEN ARE TIP AT FLOOR.
ELEV. STOP IS 0'-0 1/2" ABOVE FLOOR

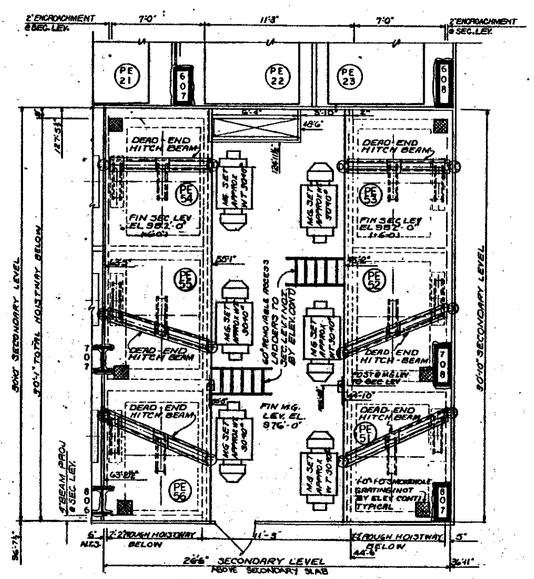
REACTIONS									
A	26.0"	G	11.8"	N	12.3"	U	3.4"	AA	19.8"
B	4.8"	H	4.5"	P	11.8"	V	8.6"	BB	7.2"
C	14.6"	J	27.0"	Q	8.2"	W	4.8"	CC	19.4"
D	16.9"	K	12.3"	R	3.8"	X	3.2"	DD	10.4"
E	3.1"	L	3.5"	S	19.4"	Y	8.1"	EE	18.3"
F	9.0"	M	15.9"	T	5.8"	Z	2.8"	FF	10.9"

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT
REACTIONS MARKED WITH AN ASTERICK OCCUR @ SECONDARY LEVEL



BANK B ZONE II

BANK A ZONE II



MG & SECONDARY LEVEL
BANK A
55 FLOOR

NOTES
1-FOR WALL LOCATIONS SEE DWG NO L-A9
2-60 CEMENT CANTS. REQ'D ON ALL BEAM PROJ. 6" & ABOVE (BY OTHERS)
3-ELEV. CONT. TO PROVIDE CHANNEL BACKING AS REQ'D.

NO.	DATE	ISSUED FOR BID
1	2-9-67	ARM
2	5-2-67	ARM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

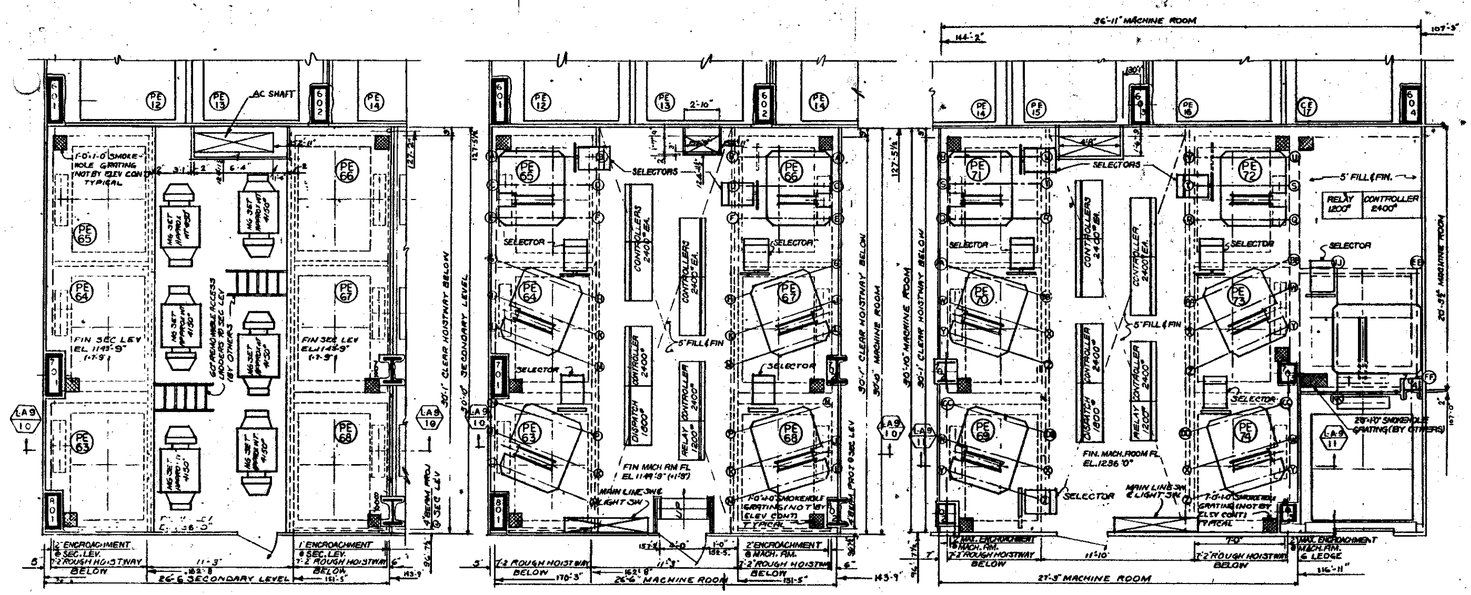
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

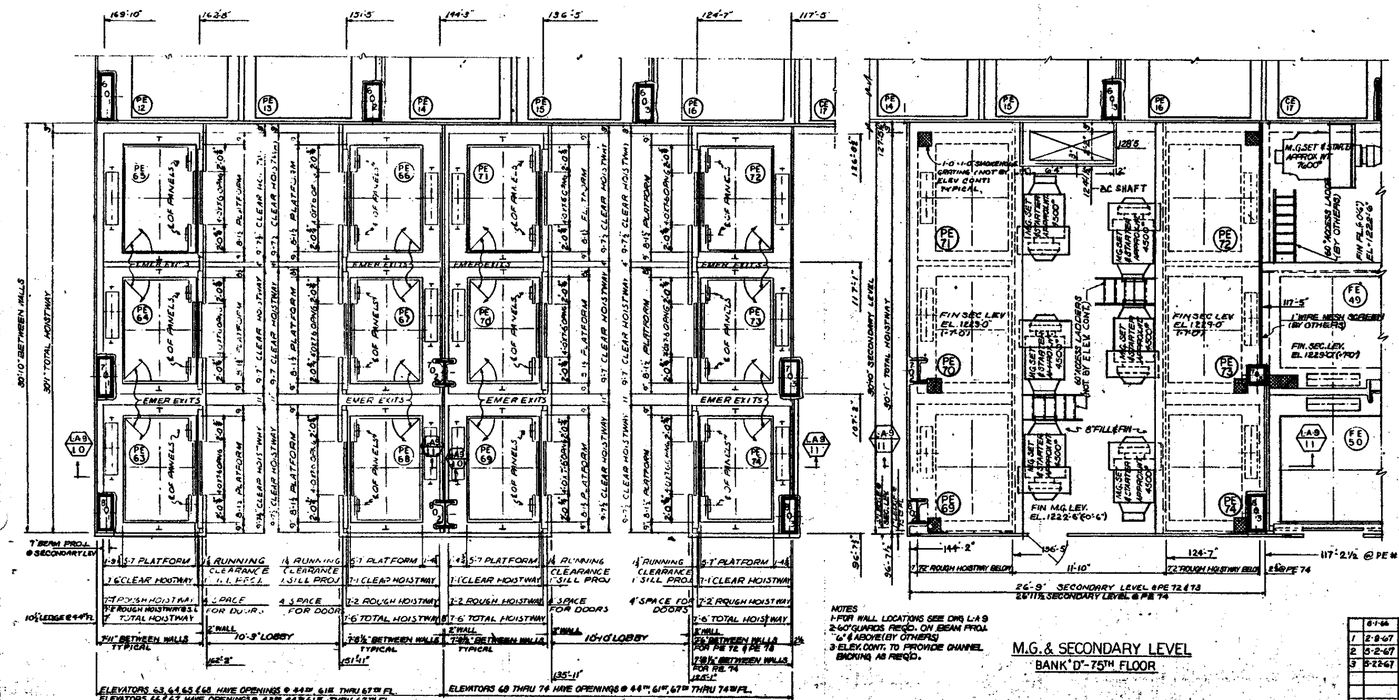
TITLE: ZONE II-RISER, BANKS A & B-SECONDARY & MACHINE ROOM PLANS

DRAWN: R.S.C. | CHECKED: C.L.M.
SCALE: 1/4"=1'-0" | DATE: 7-15-66
ENGINEERING NUMBER: | SHEET NO.
DRAWING NUMBER: L-A-7



REACTIONS											
A	26.1"	H	14.1"	Q	29.5"	X	9.0"	EE	15.0"
B	15.4"	J	46"	R	17.5"	Y	27.5"	FF	20.6"
C	3.0"	K	3.4"	S	9.6"	Z	14.9"		
D	3.0"	L	26.2"	T	3.4"	AA	17.1"		
E	16.7"	M	13.3"	U	13.4"	BB	10.0"	JJ	29.0"
F	10.1"	N	12.4"	V	11.6"	CC	17.1"	KK	40.0"
G	12.4"	P	14.1"	W	9.0"	DD	10.0"		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT



NOTES
1-FOR WALL LOCATIONS SEE DWG L-A-9
2-60" SQUARES REQ'D. ON BEAM PROJ. (2-4" ABOVE (BY OTHERS))
3-ELEV. CONT. TO PROVIDE CHANNEL BACKING AS REQ'D.

M.G. & SECONDARY LEVEL
BANK 'D' - 75TH FLOOR

NO.	DATE	ISSUED FOR BID
1	2-8-67	—
2	5-2-67	—
3	9-22-67	—

REVISIONS

APPROVED

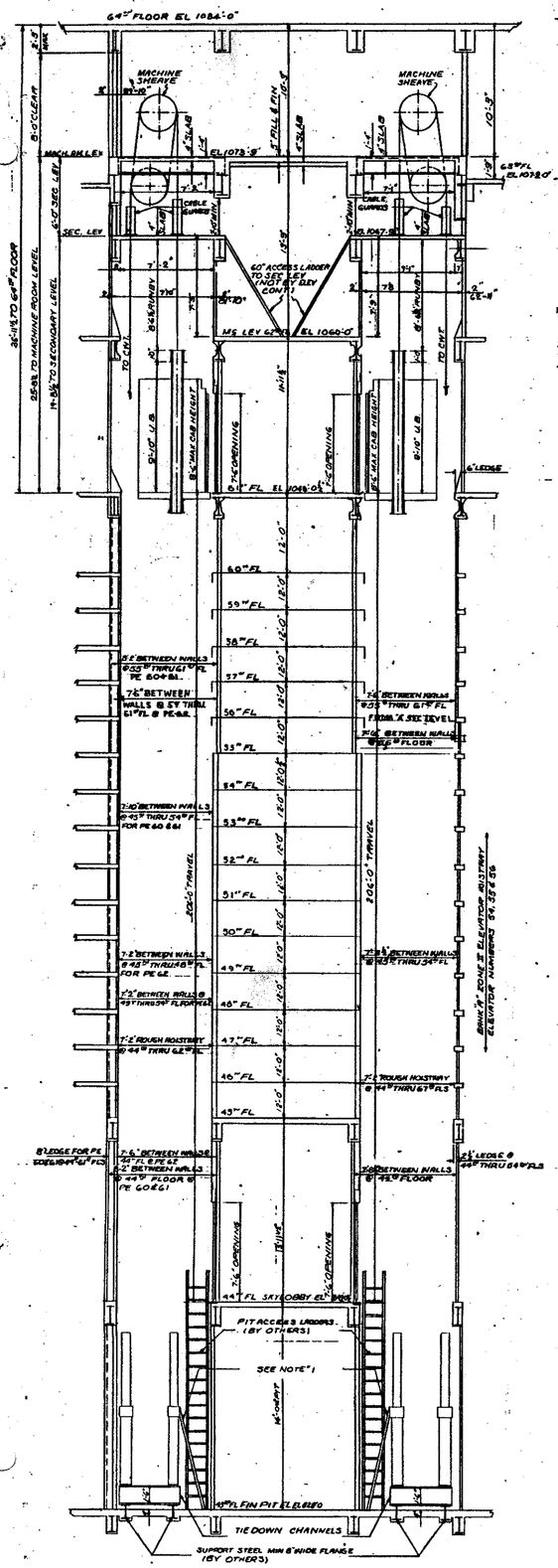
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

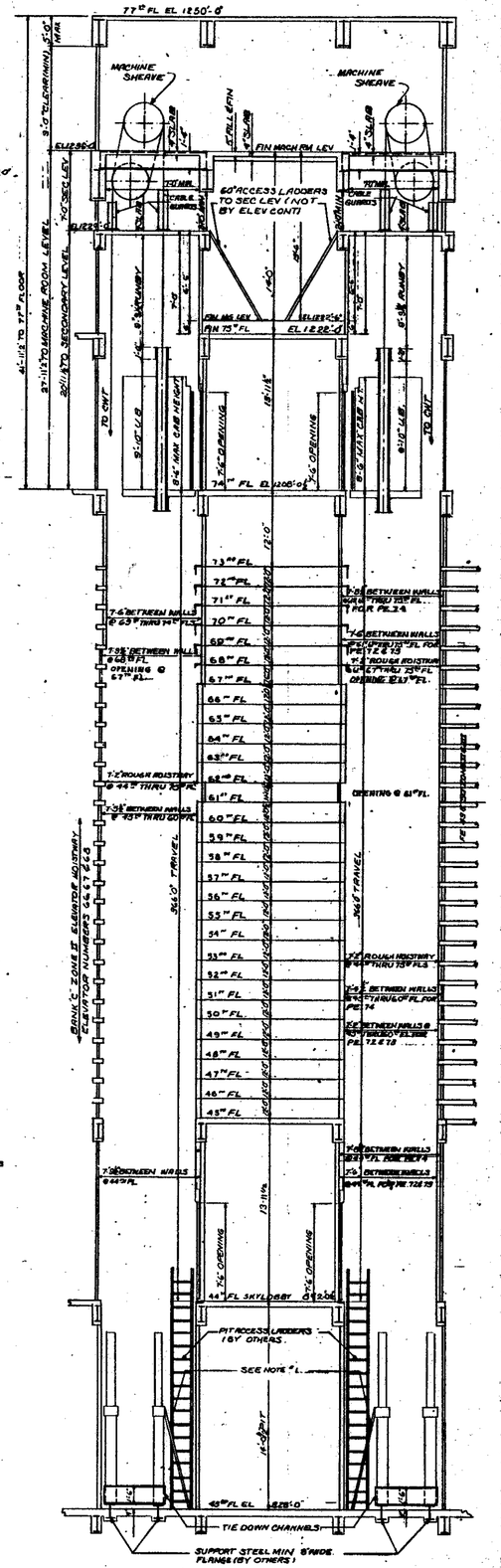
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II
BANKS C & D-SECONDARY & MACHINE ROOM PLANS

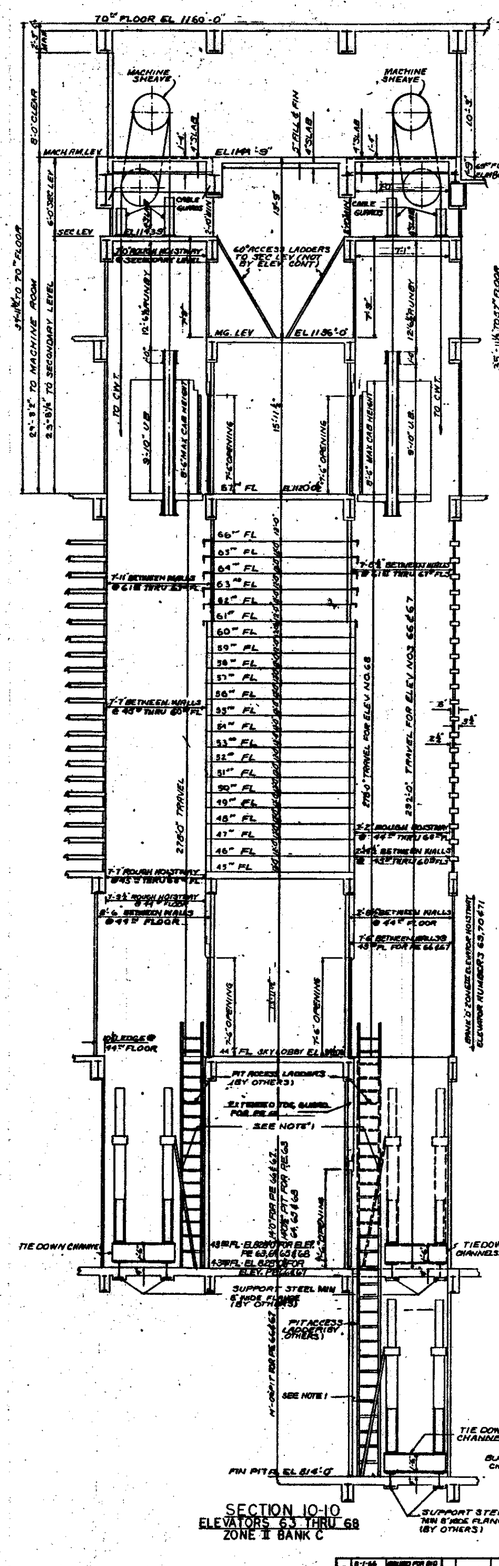
DRAWN	RS
CHECKED	CLK
SCALE	1/4"-1'-0"
DATE	7-15-65
PROJECT NUMBER	
SHEET	20
DRAWING NUMBER	L-A-8



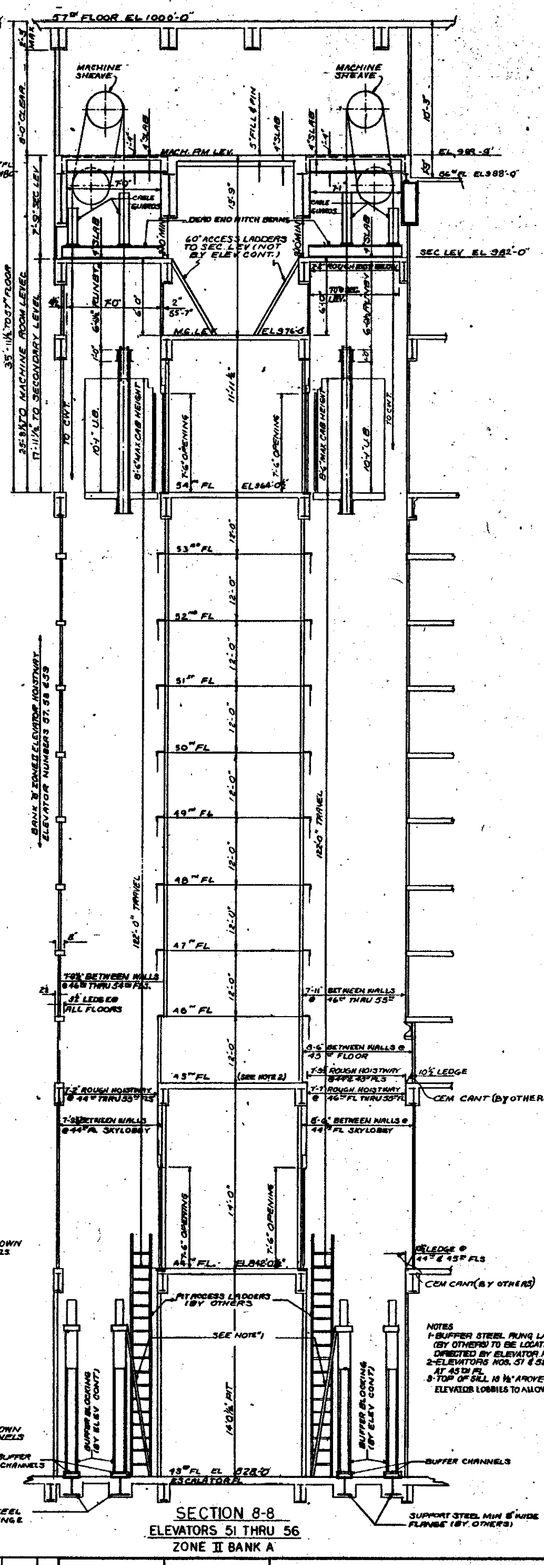
SECTION 9-9
ELEVATORS 57 THRU 62
ZONE II BANK B



SECTION 11-11
ELEVATORS 69 THRU 74
ZONE II BANK D



SECTION 10-10
ELEVATORS 63 THRU 68
ZONE II BANK C



SECTION 8-8
ELEVATORS 51 THRU 56
ZONE II BANK A

NOTES
1-BUFFER STEEL RUNG LADDERS (BY OTHERS) TO BE LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER
2-ELEVATORS NOS. 51 & 52 HAVE OPENINGS AT 45TH FL.
3-TOP OF SILL IS ½" ABOVE FIN. FL. AT ALL ELEVATOR LOBBIES TO ALLOW FOR CARPETING.

NO.	DATE	REVISED FOR BID
-	8-1-66	
1	3-6-67	—
2	11-8-67	—
3	5-26-67	—

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II ELEVATIONS BANKS A, B, C & D

DRAWN	RSC	CHECKED	CLR
SCALE	1/4"=1'-0"	DATE	7/15/66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-9		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SECTIONS OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-15
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
5. FINISH FLOOR, BUILDING AND TOP OF SLAB ELEVATION ACE (20'-0", UNLESS OTHERWISE SHOWN OR NOTED
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE PERIMETER WALL OF TOWER, SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS. ALL WALLS AND PARTITIONS SHOWN [illegible] HATCHING AND SHADED THUS [illegible] IS IN A SEPARATE CONTRACT WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK TO FACILITATE COMPLETED WORK IN CONTINUOUS AND UNBROKEN DIMENSIONS SHOWN FOR WORK BY OTHERS OUTSIDE OF TOWER, SEE ACE COORDINATION DWGS.
7. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL FAN AND DUCT OPENINGS IN MASONRY PARTITIONS.
8. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF ASCHAR TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.
9. SEE TENANT AREA FINISH SCHEDULE & TOILET FACILITY DIMENSIONS SEE DWG. T-A-A 1.04 A
10. LOCATE ALL WALL TRANSFER GRILLES (WITHIN) TIGHT TO SLAB ABOVE EXCEPT WHEN GRILLE IS LESS THAN 1'-0" BEHIND A BEAM, IN THIS CONDITION LOCATE GRILLE BELOW BOTTOM OF BEAM LEVEL AND PROVIDE LOOSE LINTEL ABOVE FOR MASONRY.
11. THE USE OF INTERSET INSERTS IN THE AREA OF THE PRIMARY SERVICE CONDUITS SHALL NOT BE PERMITTED.

PARKING

NOTE
FOR CONTINUATION OF PLANS DRIVE-WAYS & RAMPS SEE SUB-GRADE CONTRACT DWGS

PARKING
FF ± EL. 138'-0"
NOTE:
FOR CONTINUATION OF PLANS DIAGONAL AND DETAILS SEE SUB-GRADE CONTRACT DWGS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date		
		1	1-25-71	A-211	LC
		11	11-27-71	A-200	LC
		6	6-25-71	A-174	GA
		5	6-25-71	A-173	GA
		4	6-25-71	A-174	GA
9-4-73	A-339	3	5-20-71	A-169	GA
7-12-73	A-329	2	5-20-71	A-168	GA
8-29-72	A-314	1	5-20-71	A-166	GA
6-1-72	A-267	14	4-23-71	A-156	GA
11-22-72	A-253	13	4-23-71	A-148	GA
NO.	DATE	SEAL NO.	BY		
REVISIONS					

APPROVED

JOSEPH R. LORING & ASSOC. INC.
ELECTRICAL ENGINEERS

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

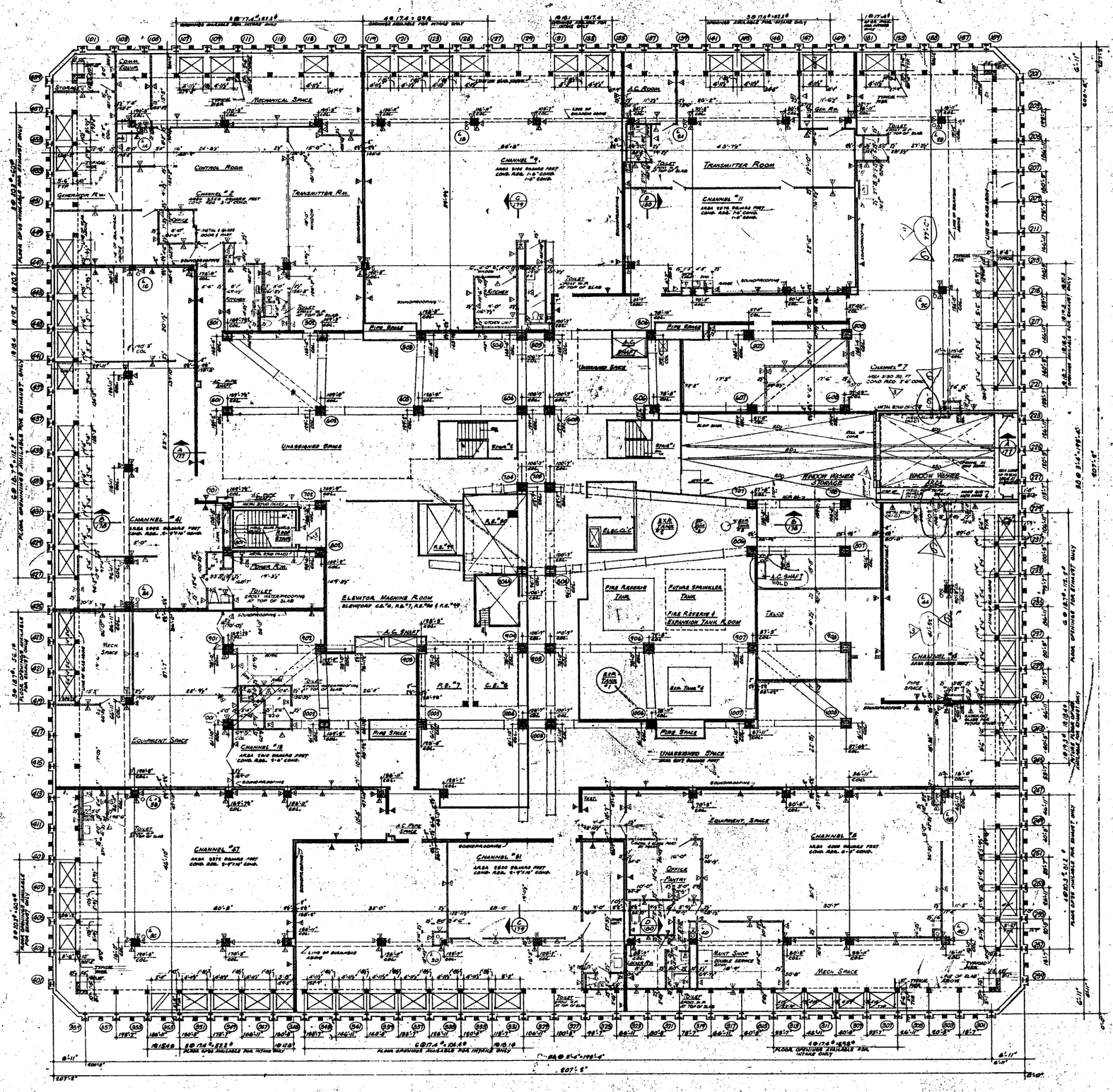
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

1/8" 1'0" scale

TITLE: TENANT FACILI
SUB-LEVEL 1 FLO
Elevator Pit

DRAWN | CHECKED | SCALE

T-A



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-0.1 TO A-0.4.
2. FOR SCHEDULE & SCALE CORE PLAN SEE DWG. A-2.1/76.
3. ALL DIMENSIONS GIVEN TO FACE OF STUD, CMU OR REAL ASTM TO FACE OF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.1; 2.2; 2.3; 2.4; 2.5; 2.6; 2.7; 2.8; 2.9
6. WHERE NO SUPERVISED CEILINGS ARE CALLED FOR, THIS IS AN IN-FLOOR'S, STUD PARTITIONS ACT., BUILDING ALTERATIONS OF ALL PURPOSE, AND DRYWALL SHALL BE ADMINISTERED BY THE CONTRACTOR REQUIRED TO PROVIDE FOR ACCESS, SERVICING AND CLEARANCE OF FULL PERMITTED SPACE.
7. UNLESS ALL PARTITIONS INDICATED AS SHOWN ARE BY THE TENANT, THEY SHALL BE BUILDING STANDARD METAL STUD & WALLBOARD, OR AS SPECIFIED BY TENANT.
8. FOR ALL DOOR TYPES, BUCKS, HARDWARE, SUSP. CEIL., FINISHES ETC. WITHIN BROADCASTERS SPACES SEE RESPECTIVE BROADCASTERS ARCH. DWGS.

SUBSTRATA NOT DETAILED ARE IN THE CONTRACT AND FOLLOWING edition

NO.	DATE	SUB. NO.	BY
7	9-17-75	A-416	J.K.
6	11-15-75	A-420	L.J.
5	9-29-76	A-408	L.J.
4		A-407	L.J.
3	6-16-76	A-362	L.J.
2	1-19-76	A-348	L.J.
1			

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CHIEF, PLANNING DIVISION

DATE

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WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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MECHANICAL ENGINEERS

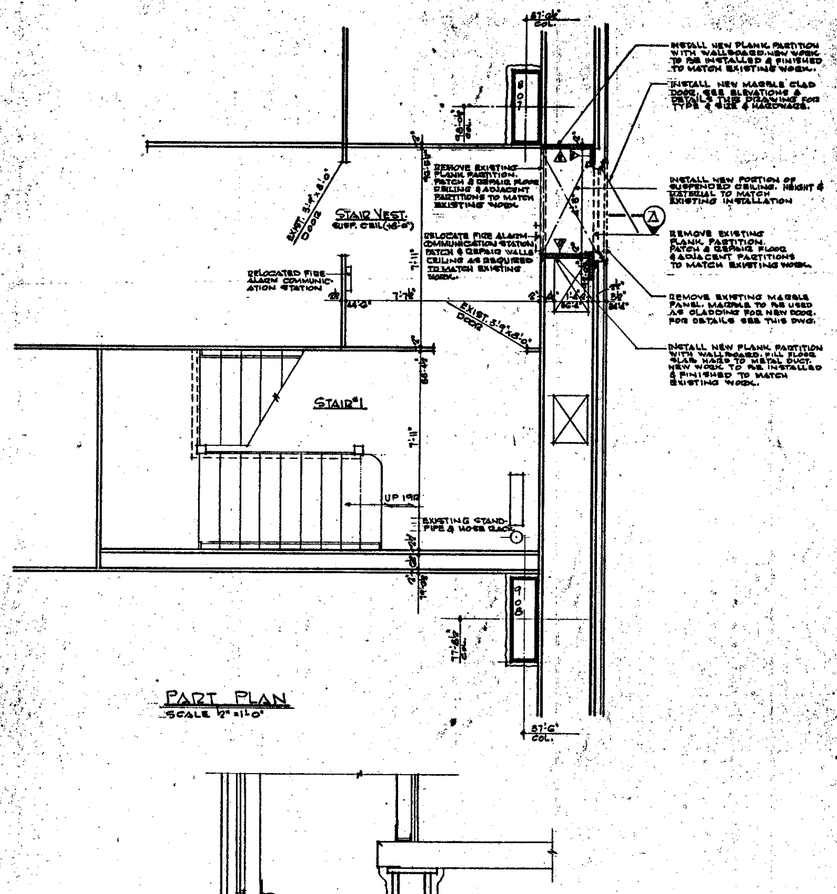
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, STABILITY, FOUNDATIONS

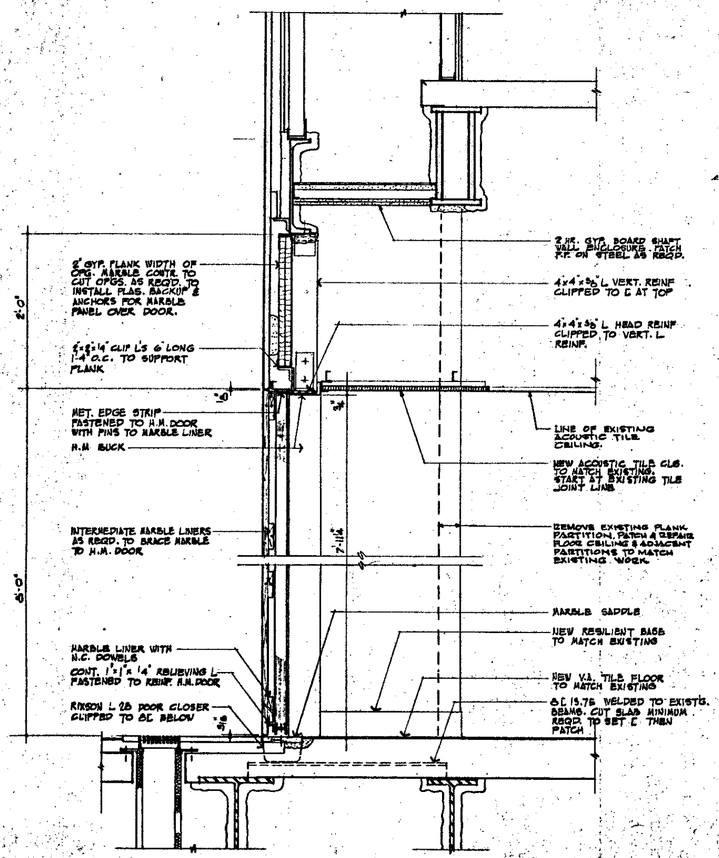
TITLE
110TH FLOOR PLAN
TV & BROADCASTERS

SCALE 1/16"-0"
DATE 6-7-74
DRAWN
CHECKED
PROJECT
APPROVED

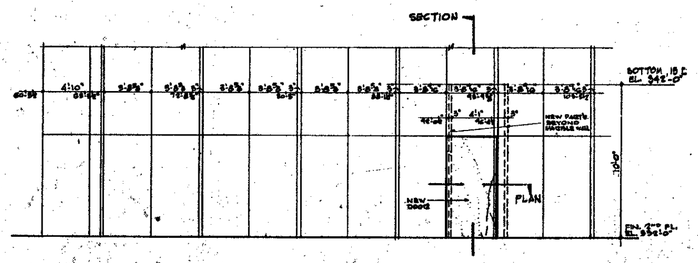
T-A-A-T-10



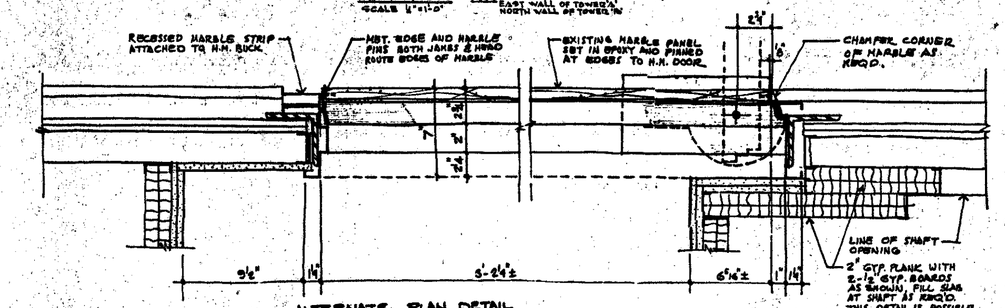
PART PLAN
SCALE 1/2" = 1'-0"



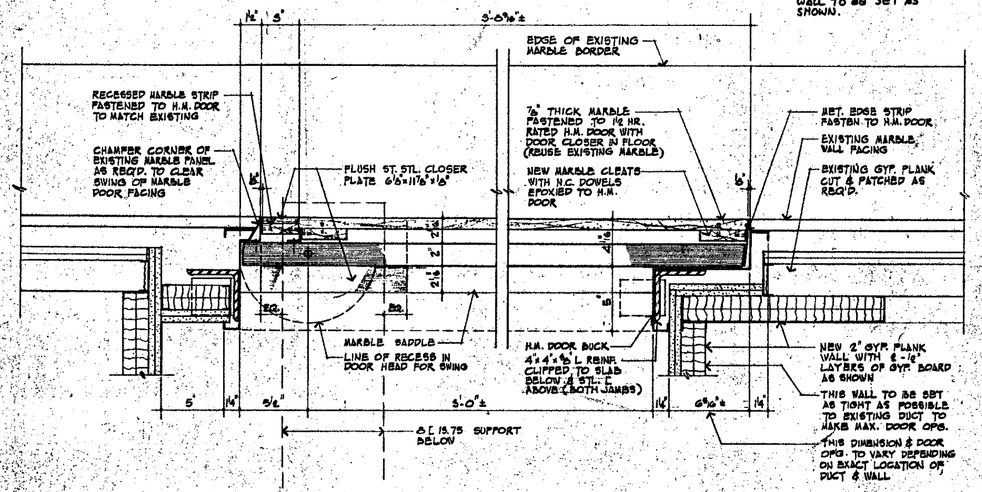
SECTION
SCALE 1" = 1'-0"



ELEVATION
SCALE 1" = 1'-0"
NOTE: EAST WALL OF TOWER 'A', NORTH WALL OF TOWER 'B'



ALTERNATE PLAN DETAIL



PLAN DETAIL
SCALE 3" = 1'-0"



NOTES
1. CONTRACTOR TO VERIFY ALL CONDITIONS AT THE SITE BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES BETWEEN THIS DRAWING AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

REVISIONS

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THE PORT OF NEW YORK AUTHORITY

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JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: MEZZANINE LEVEL EXIT DOORS AT TOWERS 'A' & 'B'

SCALE: AS NOTED — DATE: 1-8-70

TA·ABMDE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

Complete.

TOWER A

ARCH

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING, UTILITIES, FOUNDATIONS

SCHEDULE OF DRAWINGS

ARCHITECTURAL

DWG. No	TITLE
	TITLE SHEET
B-1	SCHEDULE OF DRAWINGS - ARCHITECTURAL
B-2	SCHEDULE OF DRAWINGS - STRUCTURAL
A-B-3	SCHEDULE OF DRAWINGS · MECHANICAL TRADES
B-4	FINISH SCHEDULE ZONE · SUB-7
A-B-5	FINISH SCHEDULE ZONE · I-II-III
A-B-6	DOOR BUCK DETAILS AND DOOR SCHEDULES
A-B-7	UNASSIGNED
A-B-8	SUB-LEVEL - No 5 FLOOR PLAN - ELEV. 242 LOWER M.E.R. LEVEL
A-B-9	SUB-LEVEL - No. 4 FLOOR PLAN - ELEV. 253 UPPER M.E.R. LEVEL
A-B-10	SUB-LEVEL - No 3 FLOOR PLAN · ELEV. 264
A-B-11	SUB-LEVELS - No 3-4-5 - CORE PLANS ELEVS. 242-253-264
A-B-12	SUB-LEVEL - No 2 FLOOR PLAN ELEV. 274'-0"
A-B-13	SUB-LEVEL - No 2 CORE PLAN ELEV 274'-0"
A-B-14	SUB-LEVEL - No 1 FLOOR PLAN ELEV. 284'-0"
A-B-15	SUB-LEVEL - No 1 CORE PLAN ELEV 284'-0"
A-B-16	SERVICE LEVEL · FLOOR PLAN ELEV 294'-0"
A-B-17	SERVICE LEVEL - CORE PLAN ELEV. 294'-0"
A-B-18	STAIRS K-4 & K-5 PLANS AND SECTIONS
A-B-19	STAIRS K-6 & K-7 PLANS AND SECTIONS
A-B-20	FIRST FLOOR PLAN CONCOURSE LEVEL ELEV. 310
A-B-21	FIRST FLOOR CORE PLAN CONCOURSE LEVEL ELEV. 310
A-B-21A	FIRST FLOOR INTERMEDIATE PLAN EL (+19'-0")
A-B-22	2ND FLOOR PLAN PLAZA LEVEL ELEV. 332
A-B-23	2ND FLOOR CORE PLAN - PLAZA LEVEL ELEV. 332
A-B-24	3RD FLOOR PLAN
A-B-25	3RD FLOOR CORE PLAN
A-B-26	4TH FLOOR PLAN
A-B-27	4TH FLOOR CORE PLAN
A-B-28	5TH FLOOR PLAN
A-B-29	5TH FLOOR CORE PLAN
A-B-30	6TH FLOOR PLAN
A-B-31	6TH FLOOR CORE PLAN
A-B-32	7TH FLOOR PLAN LOWER M.E.R.
A-B-33	7TH FLOOR CORE PLAN LOWER M.E.R.
A-B-34	8TH FLOOR PLAN UPPER M.E.R.
A-B-35	8TH FLOOR CORE PLAN UPPER M.E.R.
A-B-36	9TH FLOOR PLAN
A-B-37	9TH FLOOR CORE PLAN
A-B-38	10TH FLOOR PLAN
A-B-39	10TH FLOOR CORE PLAN
A-B-40	11TH FLOOR PLAN
A-B-41	11TH FLOOR CORE PLAN
A-B-42	12TH FLOOR PLAN
A-B-43	12TH FLOOR CORE PLAN
A-B-44	13TH TO 16TH FLOOR PLAN
A-B-45	13TH TO 16TH FLOOR CORE PLAN
A-B-46	17TH AND 18TH FLOOR PLAN
A-B-47	17TH FLOOR CORE PLAN
A-B-48	18TH FLOOR CORE PLAN
A-B-49	19TH TO 23RD FLOOR PLAN
A-B-50	19TH FLOOR CORE PLAN
A-B-51	20TH TO 23RD FLOOR CORE PLAN
A-B-52	24TH FLOOR PLAN
A-B-53	24TH FLOOR CORE PLAN
A-B-54	25TH AND 26TH FLOOR PLAN
A-B-55	25TH FLOOR CORE PLAN
A-B-56	26TH FLOOR CORE PLAN
A-B-57	27TH TO 31ST FLOOR PLAN
A-B-58	27TH TO 31ST FLOOR CORE PLAN
A-B-59	32ND FLOOR PLAN
A-B-60	32ND FLOOR CORE PLAN
B-61	33RD AND 34TH FLOOR PLAN
B-62	33RD FLOOR CORE PLAN
	34TH FLOOR CORE PLAN
	35TH TO 40TH FLOOR PLAN
	35TH TO 39TH FLOOR CORE PLAN
	PART PLAN OF 35TH TO 38TH FLOORS & ESCALATOR SECTION
	[illegible]
	[illegible] LEVEL
	[illegible] LEVEL

ARCHITECTURAL

DWG. No	TITLE
A-B-71	42ND FLOOR PLAN M.E.R.
A-B-72	42ND FLOOR CORE PLAN M.E.R.
A-B-73	STAIR SECTIONS STAIR #1
A-B-74	STAIR SECTIONS STAIR #3
A-B-75	ESCALATOR SECTIONS ESCALATOR A-3 TO A-6
A-B-76	43RD FLOOR PLAN LOWER ESCALATOR LEVEL
A-B-77	43RD FLOOR CORE PLAN LOWER ESCALATOR LEVEL
A-B-78	44TH FLOOR PLAN SKYLOBBY
A-B-79	44TH FLOOR CORE PLAN SKYLOBBY
A-B-80	45TH FLOOR PLAN UPPER ESCALATOR LEVEL
A-B-81	45TH FLOOR CORE PLAN UPPER ESCALATOR LEVEL
A-B-82	46TH FLOOR PLAN
A-B-83	46TH FLOOR CORE PLAN
A-B-84	47TH FLOOR PLAN
A-B-85	47TH FLOOR CORE PLAN
A-B-86	48TH FLOOR PLAN
A-B-87	48TH FLOOR CORE PLAN
A-B-88	49TH FLOOR PLAN
A-B-89	49TH FLOOR CORE PLAN
A-B-90	50TH TO 54TH FLOOR PLAN
A-B-91	50TH TO 54TH FLOOR CORE PLAN
A-B-92	55TH AND 56TH FLOOR PLAN
A-B-93	55TH FLOOR CORE PLAN
A-B-94	56TH FLOOR CORE PLAN
A-B-95	57TH AND 58TH FLOOR PLAN
A-B-96	57TH AND 58TH FLOOR CORE PLAN
A-B-97	59TH FLOOR PLAN
A-B-98	59TH FLOOR CORE PLAN
A-B-99	60TH FLOOR PLAN
A-B-100	60TH FLOOR CORE PLAN
A-B-101	61ST FLOOR PLAN
A-B-102	61ST FLOOR CORE PLAN
A-B-103	62ND AND 63RD FLOOR PLAN
A-B-104	62ND FLOOR CORE PLAN
A-B-105	63RD FLOOR CORE PLAN
A-B-106	64TH FLOOR PLAN
A-B-107	64TH FLOOR CORE PLAN
A-B-108	65TH FLOOR PLAN
A-B-109	65TH FLOOR CORE PLAN
A-B-110	66TH FLOOR PLAN
A-B-111	66TH FLOOR CORE PLAN
A-B-112	67TH FLOOR PLAN
A-B-113	67TH FLOOR CORE PLAN
A-B-114	68TH FLOOR PLAN
A-B-115	68TH FLOOR CORE PLAN
A-B-116	69TH FLOOR PLAN
A-B-117	69TH FLOOR CORE PLAN
A-B-118	70TH AND 71ST FLOOR PLAN
A-B-119	70TH AND 71ST FLOOR CORE PLAN
A-B-120	72ND AND 73RD FLOOR PLAN
A-B-121	72ND FLOOR CORE PLAN
A-B-122	73RD FLOOR CORE PLAN
A-B-123	74TH FLOOR PLAN
A-B-124	74TH FLOOR CORE PLAN
A-B-125	UNASSIGNED
A-B-126	UNASSIGNED
A-B-127	75TH FLOOR PLAN LOWER M.E.R. LEVEL
A-B-128	75TH FLOOR CORE PLAN LOWER M.E.R. LEVEL
A-B-129	76TH FLOOR PLAN UPPER M.E.R. LEVEL
A-B-130	76TH FLOOR CORE PLAN UPPER M.E.R. LEVEL
A-B-131	STAIR SECTION STAIR #1
A-B-132	STAIR SECTION STAIR #2 & #3
A-B-133	ELEVATOR MACHINE RM & ESCALATOR SECTS ELEVATORS #69 #74 #49 ESCALATORS B-7, B-8, B-9, B-10
A-B-134	77TH FLOOR PLAN - LOWER ESCALATOR LEVEL
A-B-135	77TH FLOOR CORE PLAN - LOWER ESCALATOR LEVEL
A-B-136	78TH FLOOR PLAN SKYLOBBY
A-B-137	78TH FLOOR CORE PLAN SKYLOBBY
A-B-138	79TH FLOOR PLAN - UPPER ESCALATOR LEVEL
A-B-139	79TH FLOOR CORE PLAN - UPPER ESCALATOR LEVEL
A-B-140	80TH FLOOR PLAN
A-B-141	80TH FLOOR CORE PLAN
A-B-142	81ST FLOOR PLAN

ARCHITECTURAL

DWG. No	TITLE
A-B-143	81ST FLOOR CORE PLAN
A-B-144	82ND FLOOR PLAN
A-B-145	82ND FLOOR CORE PLAN
A-B-146	83RD FLOOR PLAN
A-B-147	83RD FLOOR CORE PLAN
A-B-148	84TH TO 86TH FLOOR PLAN
A-B-149	84TH TO 86TH FLOOR CORE PLAN
A-B-150	87TH AND 88TH FLOOR PLAN
A-B-151	87TH FLOOR CORE PLAN
A-B-152	88TH FLOOR CORE PLAN
A-B-153	89TH TO 93RD FLOOR PLAN
A-B-154	89TH TO 93RD FLOOR CORE PLAN
A-B-155	94TH AND 95TH FLOOR PLAN
A-B-156	94TH FLOOR CORE PLAN
A-B-157	95TH FLOOR CORE PLAN
A-B-158	96TH TO 100TH FLOOR PLAN
A-B-159	96TH TO 100TH FLOOR CORE PLAN
A-B-160	101ST AND 102ND FLOOR PLAN
A-B-161	101ST FLOOR CORE PLAN
A-B-162	102ND FLOOR CORE PLAN
A-B-163	103RD FLOOR PLAN
A-B-164	103RD FLOOR CORE PLAN
A-B-165	104TH FLOOR PLAN
A-B-166	104TH FLOOR CORE PLAN.
A-B-167	105TH FLOOR PLAN
A-B-168	105TH FLOOR CORE PLAN
A-B-169	106TH FLOOR PLAN
A-B-170	106TH FLOOR CORE PLAN
A-B-171	107TH FLOOR PLAN RESTAURANT LEVEL
A-B-172	107TH FLOOR CORE PLAN RESTAURANT LEVEL
A-B-173	UNASSIGNED
A-B-174	UNASSIGNED
A-B-175	108TH FLOOR PLAN LOWER M.E.R. LEVEL
A-B-176	108TH FLOOR CORE PLAN LOWER M.E.R. LEVEL
A-B-177	109TH FLOOR PLAN UPPER M.E.R. LEVEL
A-B-178	109TH FLOOR CORE PLAN UPPER M.E.R. LEVEL
A-B-179	110TH FLOOR PLAN
A-B-179A	110TH FLOOR INTERMEDIATE LEVEL PLAN (AT EL.+8'-6")
A-B-180	110TH FLOOR UPPER LEVEL PLAN (AT EL. +14'-0")
A-B-181	110TH FLOOR CORE PLAN
A-B-182	INTERMEDIATE BULKHEAD & ROOF DRAINAGE PLAN
A-B-182A	BULKHEAD ROOF & COPING PLAN
A-B-183	TOWER SECTION, SECTION 'A'
A-B-184	TOWER SECTION, SECTION 'B'
A-B-185	TOWER SECTION, SECTION 'C'
A-B-186	TOWER SECTION, SECTION 'D' Missing
A-B-187	ESCALATOR & STAIR SECTIONS - ESCALATORS A-110 & B-110, OBSERVATION STAIR P.H. #1
A-B-188	ESCALATOR & STAIR SECTIONS - ESCALATORS C-110 & D-110
MICRO-74	Proposed microwave and Whip antennae Tower B - P.H. Roof
	missing
A-AB-201	CROSS SECTION THRU TOWER
A-AB-202	CROSS SECTION THRU TYPICAL FLOOR
A-AB-203	INTERIOR FINISH DETAILS AT CURTAIN WALL
A-AB-204	TYPICAL STAIR DETAILS
A-AB-205	TYPICAL STAIR DETAILS
A-AB-206	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE I
A-AB-207	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE II
A-AB-208	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE III
A-AB-209	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DET'S
A-AB-210	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DET'S
A-AB-211	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DET'S
A-AB-212	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DET'S
A-AB-213	STANDARD PARTITION DETAILS
A-AB-213A	STANDARD PARTITION DETAILS
A-AB-214	TYPICAL TOILET PLANS AND ELEVATIONS
A-AB-215	TYPICAL CORE REFLECTED CEILING PLAN - ZONE I
A-AB-216	TYPICAL CORE REFLECTED CEILING PLAN - ZONE II
A-AB-217	TYPICAL CORE REFLECTED CEILING PLAN - ZONE III
A-AB-218	CEILING DETAILS
A-AB-219	CEILING DETAILS
A-AB-220	TYPICAL LOCAL ELEVATOR LOBBY PLANS & ELEVATIONS
A-AB-221	TYPICAL LOCAL ELEVATOR LOBBY DETAILS
A-AB-222	TYPICAL ELEVATOR CAB PLANS & ELEVATIONS
A-AB-223	TYPICAL ELEVATOR CAB DETAILS
A-AB-224	FREIGHT ELEVATOR CAB PLANS & ELEVATION
A-AB-225	ELEV. ACCESSORIES DETAILS

ARCHITECTURAL

DWG. No	TITLE
A-AB-226	44TH FLOOR SKYLOBBY PLAN
A-AB-227	78TH FLOOR SKYLOBBY PLAN
A-AB-228	44TH FLOOR SKYLOBBY ELEVATIONS
A-AB-229	78TH FLOOR SKYLOBBY ELEVATIONS
A-AB-230	44TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-231	78TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-232	SKYLOBBY - MAIN CORRIDOR CEILING DETAILS
A-AB-233	SKYLOBBY - MAIN CORRIDOR DETAILS
A-AB-234	SKYLOBBY. CROSS CORRIDOR, VEST. ELEV. LOBBY DET.
A-AB-235	SKYLOBBY ESCALATOR DETAILS
A-AB-236	UNASSIGNED
A-AB-237	UNASSIGNED
A-AB-238	MISCELLANEOUS INTERIOR DETAILS
A-AB-239	BUILDING STANDARD DOOR KNOB DETAIL
A-AB-240	ELEVATOR SHAFT DOOR FRAME DETAILS
A-AB-241	UNASSIGNED
A-AB-242	UNASSIGNED
A-AB-243	UNASSIGNED
A-AB-244	UNASSIGNED
A-AB-245	UNASSIGNED
A-AB-246	UNASSIGNED
A-AB-247	UNASSIGNED
A-AB-248	UNASSIGNED
A-AB-249	UNASSIGNED
A-B-250	MAIN LOBBY - CONCOURSE FLOOR PLAN
A-AB-251	MAIN LOBBY, CONCOURSE CORE PLAN
A-AB-252	MAIN LOBBY, PLAZA FLOOR PLAN
A-B-253	MAIN LOBBY, ELEVATIONS A AND B
A-B-254	MAIN LOBBY, ELEVATIONS C AND D
A-AB-255	MAIN LOBBY, ELEVATIONS E AND F
A-AB-256	MAIN LOBBY, ELEVATIONS G AND H
A-AB-257	MAIN LOBBY, CONCOURSE REFLECTED CEIL. PLAN AND DETAILS
A-AB-258	MAIN LOBBY, PLAZA REFLECTED CEILING PLAN
A-AB-259	MAIN LOBBY, PLAZA CEILING DETAILS
A-AB-260	UNASSIGNED
A-AB-261	MAIN LOBBY, REFLECTED CEILING PLAN & ELEVATION OF ELEVATOR LOBBIES AT CONCOURSE
A-AB-262	MAIN LOBBY, MAIN CORRIDOR DETAILS
A-AB-263	MAIN LOBBY, LOCAL ELEVATOR LOBBY DETAILS
A-AB-264	MAIN LOBBY ESCALATOR DETAILS
A-AB-265	MAIN LOBBY CORE WALLS SECTION AND DETAIL
A-AB-266	MAIN LOBBY CORE WALL PLAN DETAILS
A-AB-267	MAIN LOBBY EXTERIOR CORNER DETAILS
A-AB-268	MAIN LOBBY SIGN DETAILS AND DECORATIVE PANEL DETAILS
A-AB-269	ELEVATOR LOBBIES K-3,4,5-J-1,2,3 & P-1
A-AB-270	MISCELLANEOUS LOBBY DETAILS
A-AB-271	CATWALK FRAMING BELOW 7TH FLOOR PLAN
A-AB-272	CATWALK FRAMING HANGER SUPPORT
A-AB-273	UNASSIGNED
A-AB-274	UNASSIGNED
A-AB-275	UNASSIGNED

ARCHITECTURAL

DWG. No	TITLE
A-AB-301	NORTH AND SOUTH ELEVATIONS
A-AB-302	EAST AND WEST ELEVATIONS
A-AB-303	TYPICAL FACADE ELEVATION
A-AB-304	FACADE ELEV., SECTIONS & DETAILS AT TYPICAL FL.
A-AB-305	NORTH AND EAST BASE ELEVATIONS
A-AB-306	WEST AND SOUTH BASE ELEVATIONS
A-AB-307	COLUMN COVER. CONTOURS AT BASE
A-AB-308	FACADE ELEVATION AND SECTIONS AT BASE
A-AB-309	FACADE DETAILS AT BASE
A-AB-310	FACADE ENTRANCE DETAILS
A-AB-311	CORNER ELEVATIONS AND PLANS AT BASE
A-AB-312	CORNER DETAILS OF TYPICAL FLOOR
A-AB-313	FACADE ELEVATIONS AND SECTIONS AT 7TH FL. M.E.R.
A-AB-314	DETAILS OF FACADE AND LOUVERS AT 7TH FL. M.E.R.
A-AB-315	FACADE ELEVATIONS AND SECTIONS AT 41ST & 75TH FL. M.E.R.
A-AB-316	DETAILS OF FACADE & LOUVERS AT 41ST & 75TH FL. M.E.R.
A-AB-317	MISCELLANEOUS MECHANICAL LEVEL DETAILS
A-AB-318	ELEVATIONS AND SECTIONS AT CROWN
A-AB-319	CROWN DETAILS
A-B-320	CROWN DETAILS
A-AB-321	CORNER ELEVATIONS & PLANS OF TYP. FL. & CROWN
A-AB-322	CORNER DETAILS OF 7TH, 41ST AND 75TH FL. M.E.R.
A-AB-323	CORNER DETAILS AT CROWN
A-AB-324	ELEVATIONS & DETAILS OF WINDOW WASHER STORAGE AREA
A-B-325	PLANS, SECTION & ELEVATIONS AT ESCALATORS A-110 & C-110
A-B-326	DETAILS AT CROWN AND ESCALATORS A-110 & C-110
A-B-327	DETAILS AT ESCALATORS B-110 & D-110 AND STAIR P.H. #1
A-B 328	OBSERVATION DECK DETAILS & DETAILS AT STEEL FENCE (11)

CONTRACT BID D[illegible] date 3-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
[illegible]	10-25-72	B-183	D.S.
[illegible]	5-10-72	B-175	S.D.
[illegible]	2-7-72	B-144	L.C.
[illegible]	11-24-71	B-107 & B-117	A.I.
[illegible]	4-28-71	B-11	D.G.
[illegible]	4-28-71	B-59	D.G.
[illegible]	4-12-71	B-95	L.J.
[illegible]	5-22-70	B-37	A.W.
[illegible]	9-29-69	B-9	D.L.
[illegible]	9-29-69	B-[illegible]	D.L.
[illegible]	8-1-68	B-6	R.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

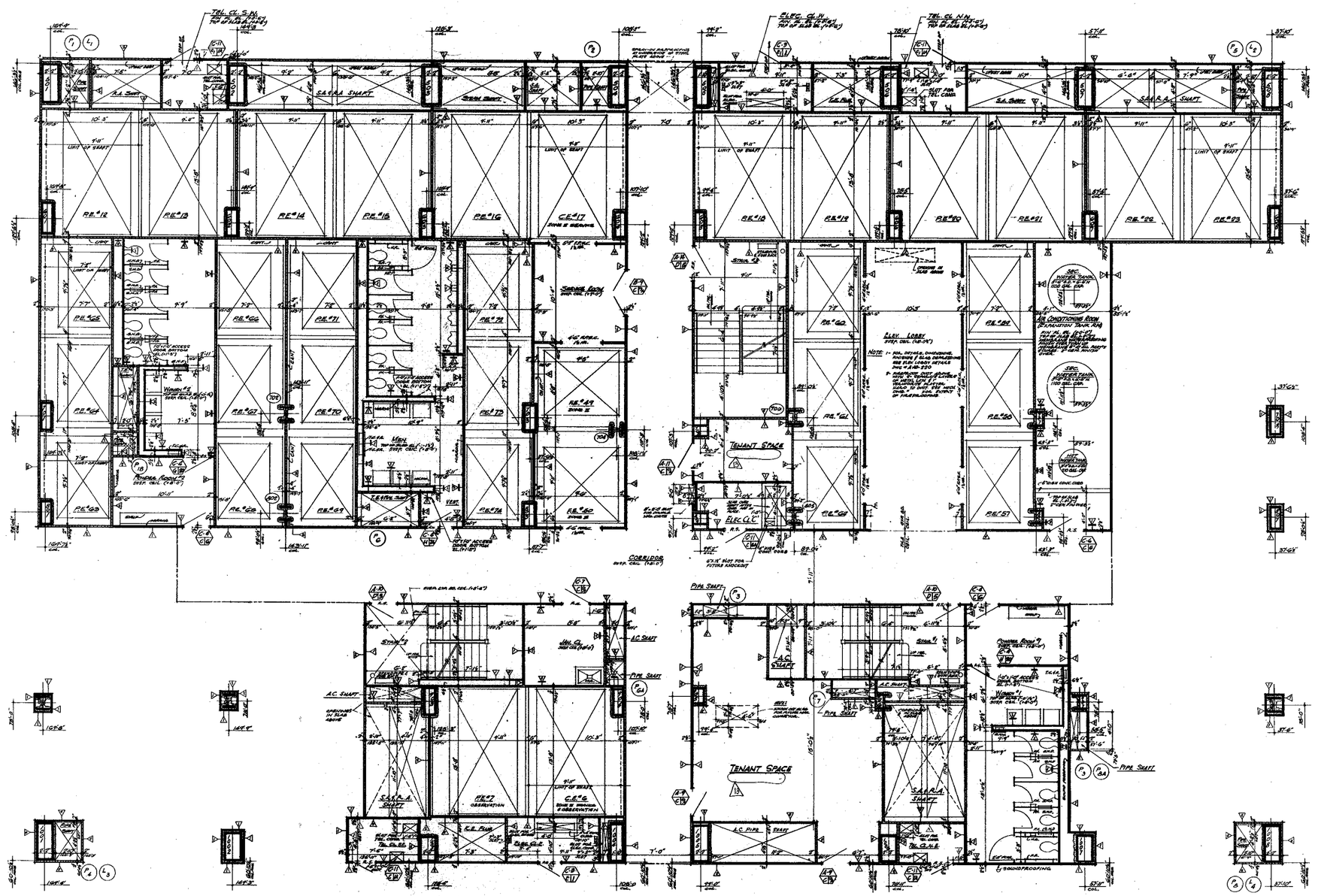
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LOR[illegible] ASSOCIATES
ELECTRIC[illegible] [illegible]EERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS ARCHITECTURAL

DRAWN		CHECKED	
SCALE		DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-1		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-5
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING # A-B-11
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-A8-204 & A-A8-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (20'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG.# A-A8-214
9. WHERE T&G SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR, TO PROVIDE FOR EITHER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER ½" NOMINAL (ACTUAL DIMENSION) IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-206 TO A-A8-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT #BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY
6	6-28-70	B-48	A.M.
5	9-29-69	B-35	E.C.
4	9-29-67	B-34	E.C.
3	7-29-69	B-31	E.C.
2	9-29-69	B-16	L.J.
1	9-29-69	B-15	L.J.
A	9-29-69	B-12	L.J.
6	6-28-70	B-48	L.J.
5	9-29-69	B-13	L.J.
4	8-1-68	B-6	R.T.H.
3	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

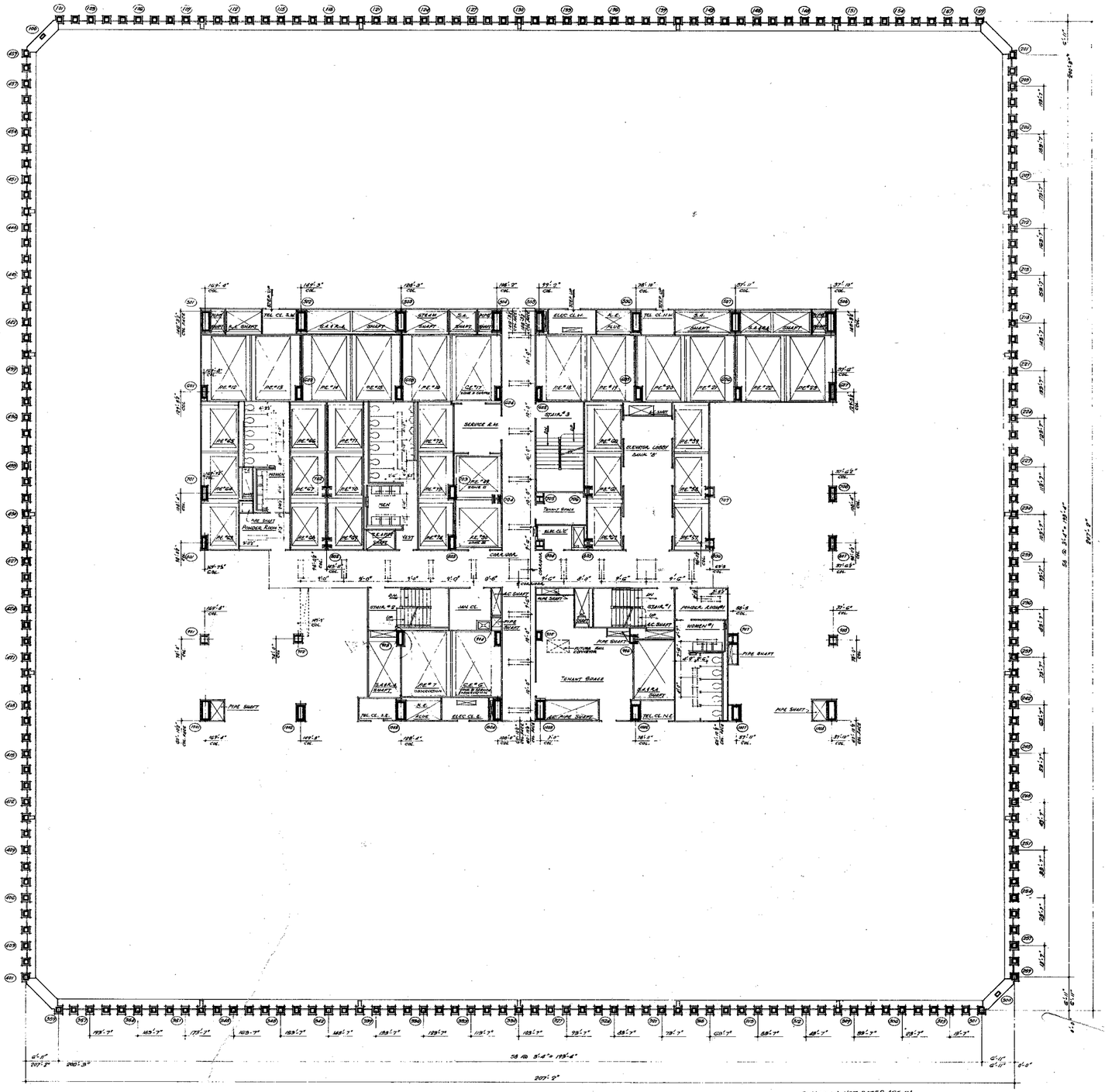
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

¼"=1'-0" 0 1' 2' 3' 4' 8 12

TITLE: 60TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	4'-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-100		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS #A-1.1 TO A-1.9
2. FOR COMPLETE DIMENSIONS AND TYPICAL AREA SEE 1/8"SCALE CORE DRAWING # A.B-102
3. ALL ELEVATIONS GIVEN THUS (106'0") ARE IN RELATION TO FINISH FLOOR.
4. SEE MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. ALL TRENCH HEADERS TO BE RECESSED AT UNDERSIDE OF SLAB FOR 4 HOURS OF 4½" WITH 3 FOR 1½ OUTPUT FIRESTOPPING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATIONS AND EXTENT OF TRENCH HEADER AND FIRESTOPPING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (TYPICAL) UNLESS OTHERWISE SHOWN OR NOTED
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL HVAC DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE FOR 7'0" DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETIN 3 NOT DATED AS IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING : ~~Con.~~ B-1-68

NO.	DATE	BUL. NO.	BY
6	6-24-71	B-116	D.T
5	1-29-71	B-86	L.V.
4	9-29-69	B-86	L.V.
3	9-29-69	B-86	L.V.
2	7-7-69	B-12	R.C.
1	9-27-68	B-12	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

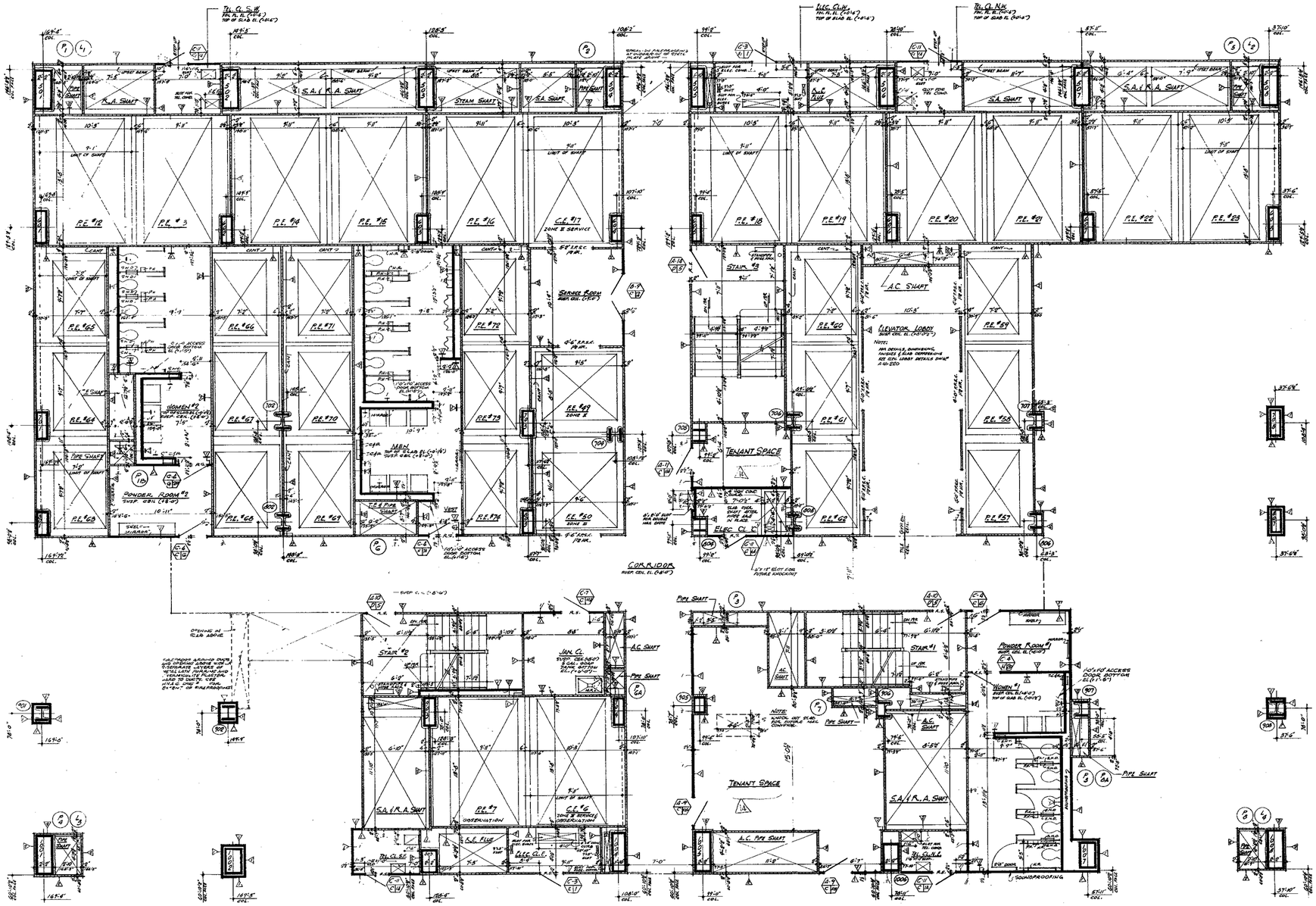
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 61ST FLOOR PLAN

1/8"=1'-0" 0 4' 8' 16' 24'

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-71
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-B-101		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A.D-1 TO A.D-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A.D-101
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A.D-206 & A.D-207
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSER AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CUTTING, SEE TYPICAL TOILET DETAILS DWG # A.D-216
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SHOW AS IN CLOSETS, STAIR, PREFINISHED ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE AS FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - - - - -
11. CANTIL ABE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" NOMINAL (8" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15" FROM HORIZONTAL FACE TYPICAL DETAILS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWING A-ED-2006 TO A.D.-207.

BULLETIN NO. DATES ARE IN THE PROCESS OF ISSUANCE

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
6	5-22-70	B-45	L.L.
5	9-27-69	B-36	E.C.
4	9-27-69	B-34	E.C.
3	9-27-69	B-33	E.C.
2	9-27-69	B-18	E.C.
1	9-27-69	B-13	E.C.
6	6-24-73	B-138	L.L.
5	9-24-69	B-12	E.C.
4	8-28-71	B-116	D.T.
3	9-24-69	B-13	E.C.
2	1-29-71	B-82	L.L.
1	8-1-68	B-1	E.C.
1	1-29-71	B-86	L.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

3/16" = 1'-0" 0 1'-2" 2'-4" 3'-6" 4'-8" 5'-10" 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

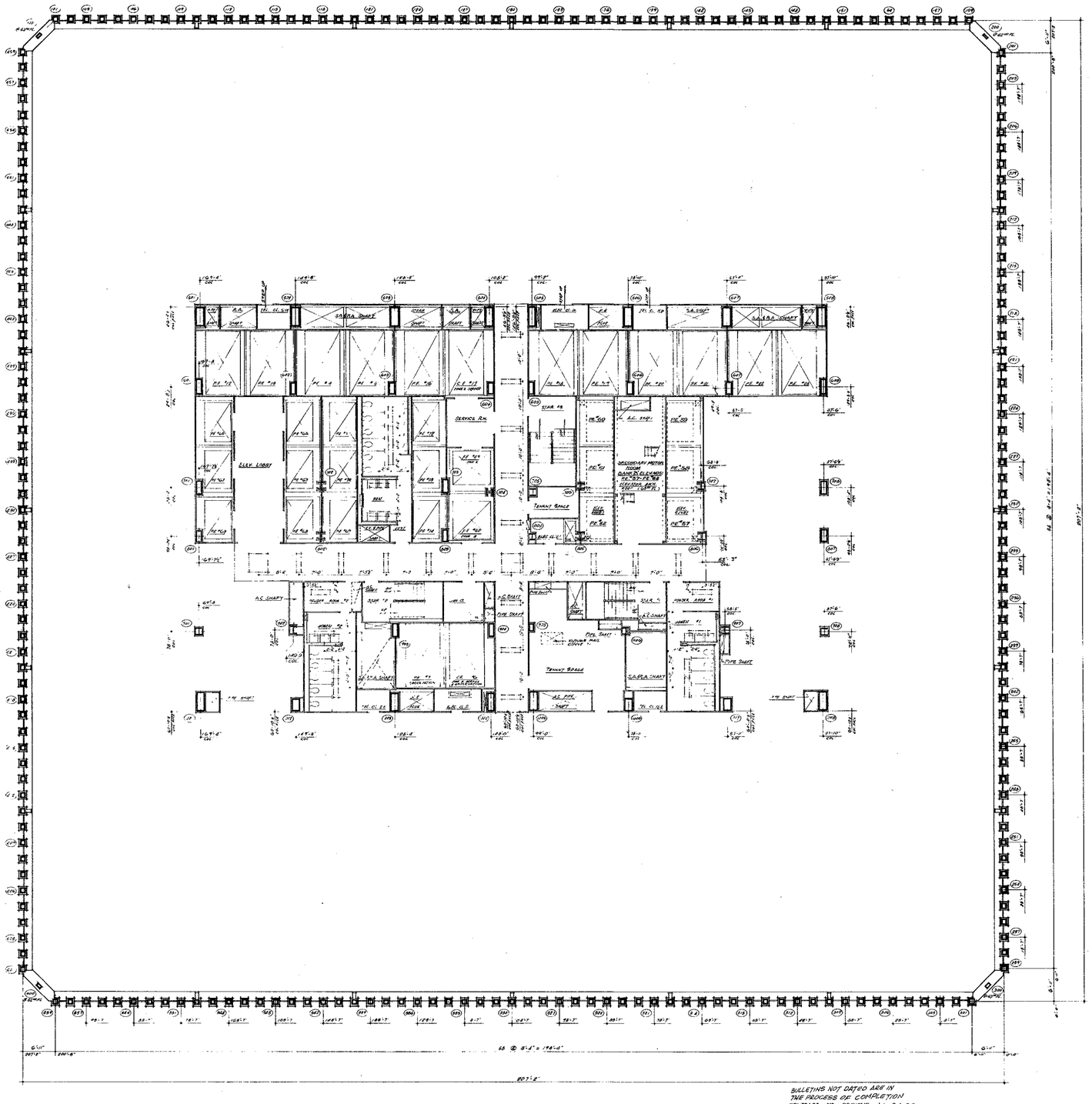
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 61ST FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·102		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLOT SCHEDULES, CODE SCHEDULES AND INDEXES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6
2. FOR COMPLETE DRAWINGS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWINGS A-B 101.1 TO 1.3
3. ALL ELEVATIONS GIVEN THUS (E 51'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH 2 COATS OF TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR LAY-IN LIGHT FIXTURES AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND HEAD SPECIFICATIONS SECTION
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (STORY) UNLESS OTHERWISE SHOWN OR NOTED
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
REVISIONS			
8	1-28-71	B-84	L.J.
7	9-27-67	B-94	L.J.
6	9-27-68	B-95	L.J.
5	11-27-68	B-72	E.C.

NO.	DATE	BUL. NO.	BY
REVISIONS			

REGISTERED ARCHITECT — MINORU YAMASAKI — NO. 7778 — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

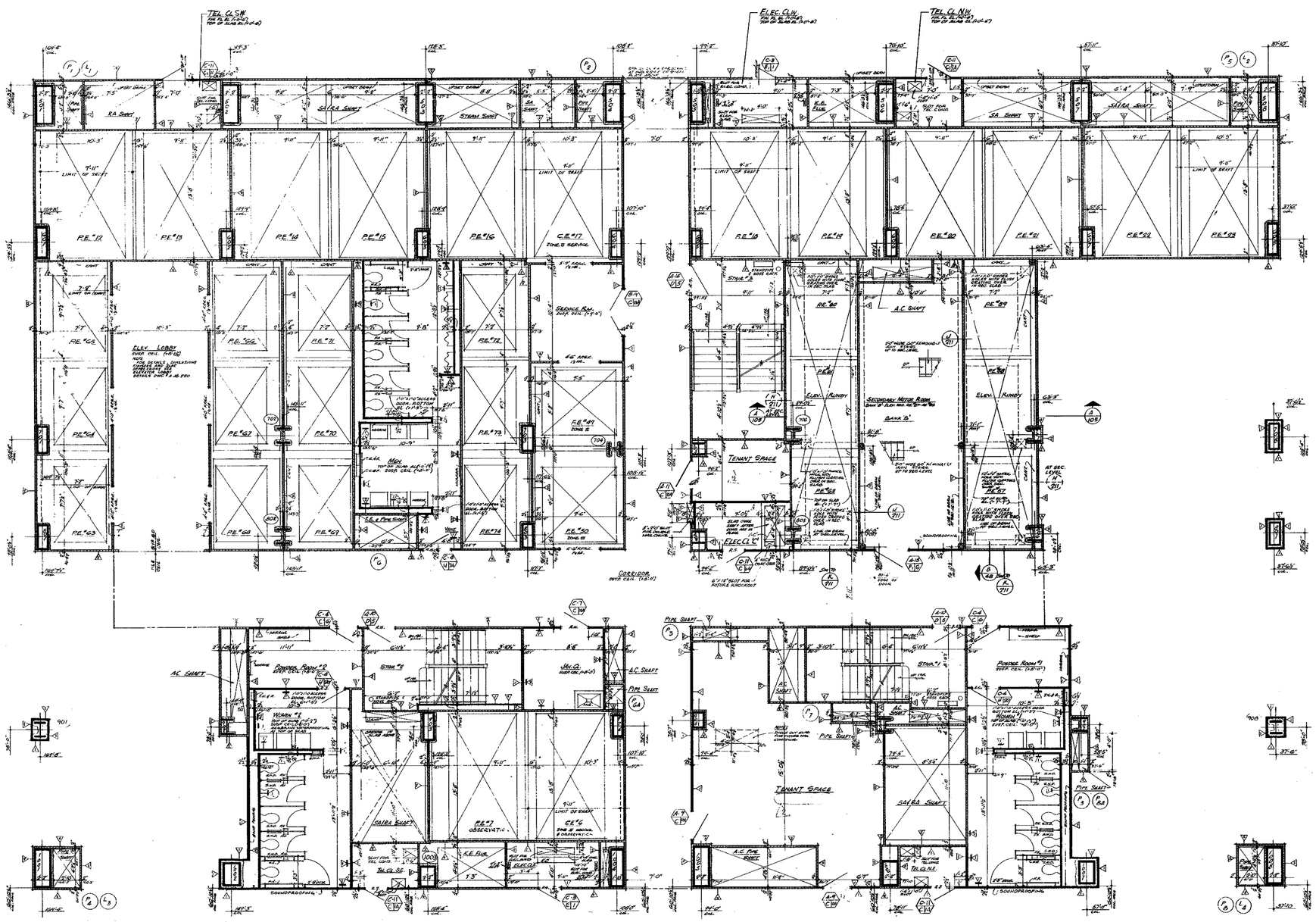
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 62ND & 63RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·103		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 - A-B-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-1-3
3. ALL ELEVATIONS GIVEN THIS (60'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-W-204 & A-W-206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS (N.I.C DISPENSER AT EACH LAVATORY) ACCESS DOORS TO SOAP DISPENSERS (WHERE TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING A-W-B-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR, PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———————
11. CAULKING ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (6" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SMALL BOILER ROOMS (SEE TYPICAL DETAILS)
12. FOR FIREPROOFING OF FREE STANDING COLUMNS & TYPICAL PARTITION DETAILS SEE DWGS A-W-B-206 TO A-W-B-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
		10	5-27-69 B-10 A.L.
		9	5-23-69 B-9 L.W.
		8	5-23-69 B-8 L.W.
		7	5-23-69 B-7 L.W.
		6	5-23-69 B-6 E.C.
		5	5-23-69 B-5 E.C.
		4	5-23-69 B-4 E.C.
		3	5-23-69 B-3 E.C.
A	8-24-68	B-2BS	L.W.
A	1-29-68	B-2A	L.W.

REVISIONS

NO.	DATE	BUL. NO.	BY
2	5-27-68	B-2B	A.L.
1	5-1-68	B-1	P.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

3/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

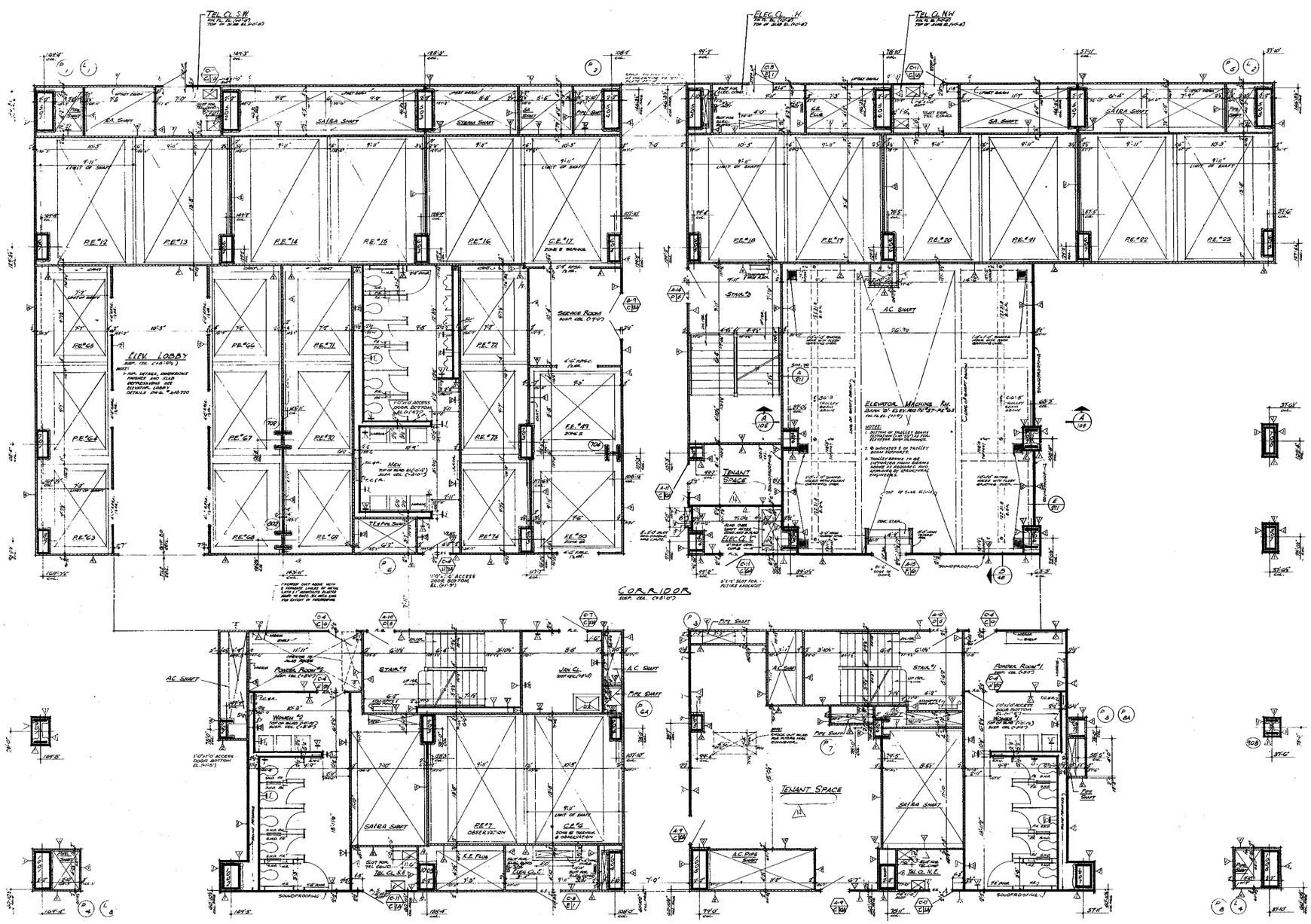
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 62ND FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·404		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A.A-1 TO A.A-9.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWINGS A.B-103
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A.M-904 AND A.M-905.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0.0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER TO BE LOCATED IN ACCORDANCE WITH TILE COURSING, SEE TYPICAL TOILET DETAILS DWG. A.M-904
9. WHERE NO HAND SILLCOCK ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _ _ _ _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" NOMINAL (8" ACTUAL DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE 45° MIN. TO 60° MAX. FROM HORIZONTAL SEE TYP. A. DETAILS.
12. FOR PARKING, STORE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A.B-100 TO A.AB-102

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

NO.	DATE	BULL. NO.	BY
		A	9-29-67
		A	9-29-67
		A	9-29-67
		7	9-29-67
		6	9-29-67
		5	9-29-67
6	8-28-73	8-258	LW
5	1-29-71	B-84	LW
4	1-29-71	B-85	LW
3	5-27-70	B-46	LW

REVISIONS

NO.	DATE	BULL. NO.	BY
A	9-29-67	B-35	E.C.
A	9-29-67	B-34	E.C.
A	9-29-67	B-31	E.C.
7	9-29-67	B-25	D.G.
6	9-29-67	B-18	D.G.
5	9-29-67	B-12	D.G.
4	9-21-67	B-13	D.G.
3	11-1-68	B-7	M.M.
2	8-1-68	B-6	K.T.H.
1	6-1-65	B-1	D.G.

REVISIONS

CONTRACT BID DRAWING date 8-1-68

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT · STATE OF NEW YORK · NO. 031...

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

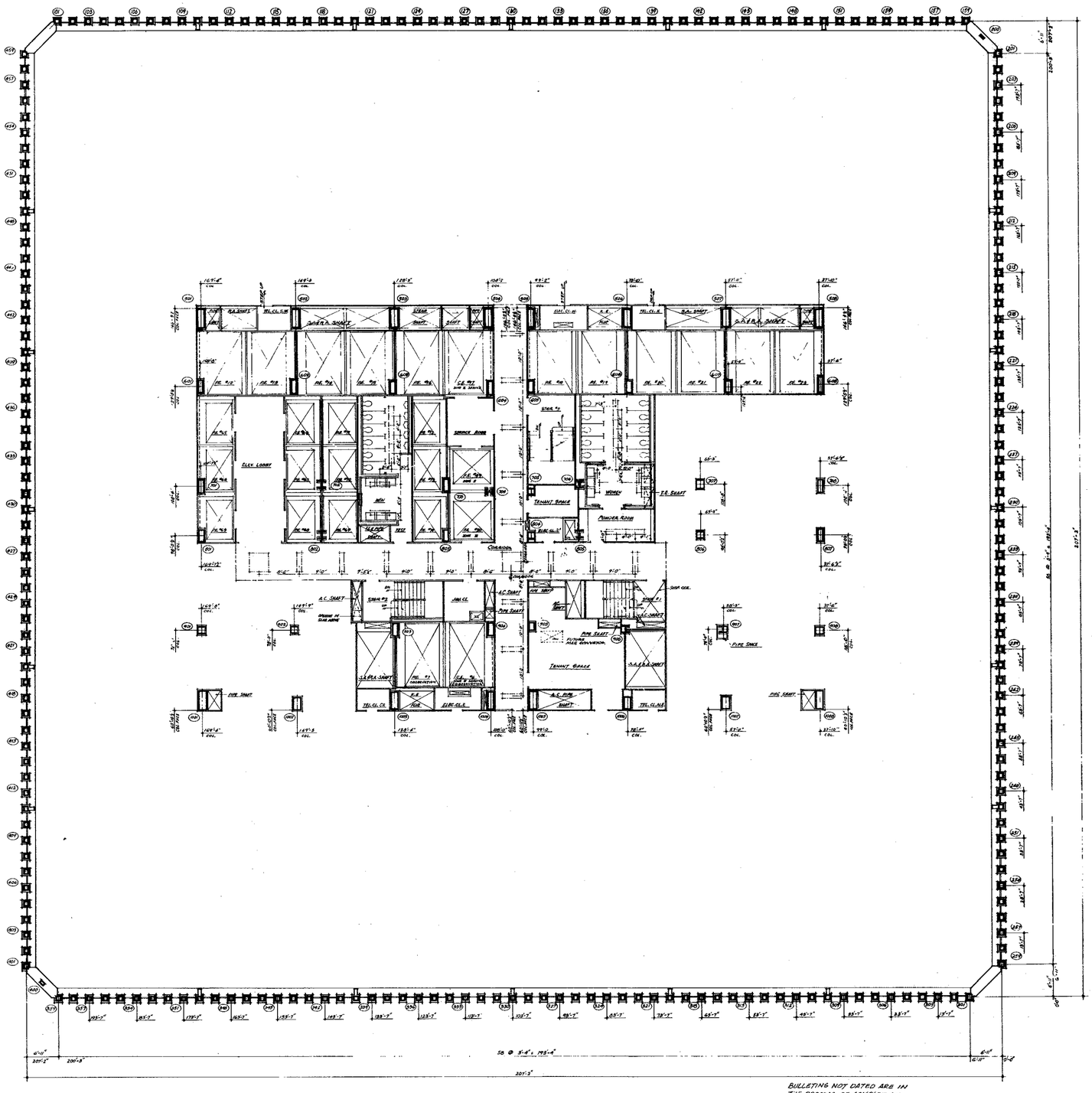
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/16"=1'-0" 0 1' 2' 3' 4' 8' 12

TITLE: 63RD FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·105		



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-0.107
3. ALL ELEVATIONS GIVEN THUS (± 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ . _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.
CONTRACT BID DRAWING date 8-1-68

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	1-29-71	B-84	L.K.
2	9-29-69	B-34	L.K.
3	9-19-69	B-85	L.K.
4	7-17-69	B-12	AC
5	9-27-68	B-3	A.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

1/8"=1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

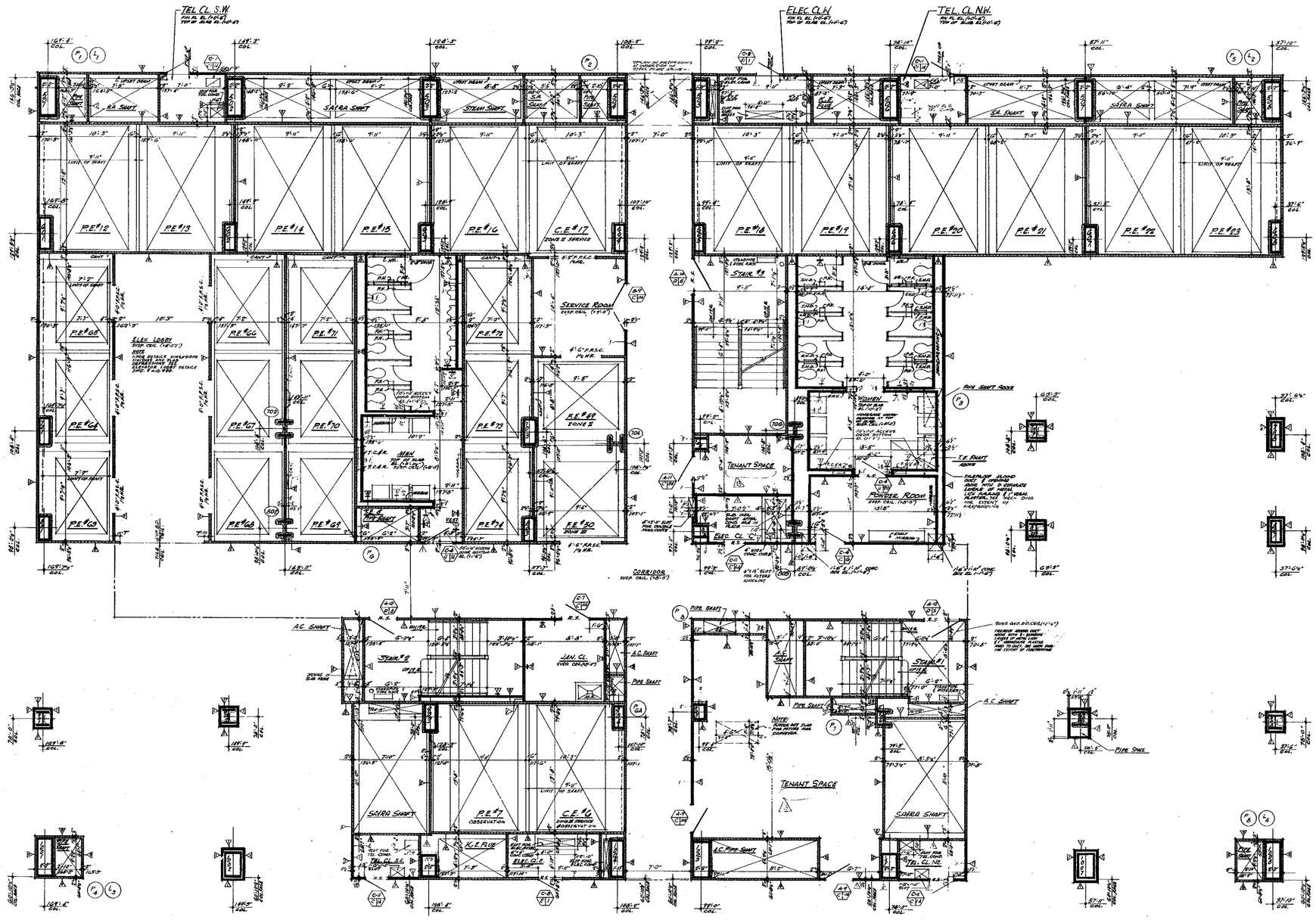
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 64TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·106		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-9.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-106
3. ALL ELEVATIONS GIVEN THUS (+10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-B-204 AND A-B-206.
6. ALL TRENCH HEADERS TO BE FILLER-BOARD AT UNDER-SIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A BALLY-ON TYPE OF FILLER-BOARDING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FILLER-BOARDING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING SEE TYPICAL TOILET DETAILS DWG # A-B-214
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC. BOTTOM ELEVATION OF PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS SIZE ____ REQUIRED ON ALL BEAM PROJECTIONS OVER 8" NOMINAL (8" ACTUAL) OR 8'-0" IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 45° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF TILE STRUCTURAL COLUMNS AND PARTITION LATHING SEE DRAWING A-B-204 & 205

BULLETINS NOT DATED ARE IN THE PROCESS OF SOLICITATION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
4	5-22-70	B-48	A.N.
3	9-29-69	B-38	E.C.
2	9-29-69	B-36	E.C.
1	9-29-69	B-31	E.C.
5	9-19-69	B-18	E.C.
3	9-29-69	B-29	E.C.
2	9-29-69	B-17	E.C.
1	9-29-69	B-15	E.C.
3	9-29-69	B-13	E.C.
2	8-1-68	B-6	A.N.
1	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — PROFESSIONAL ENGINEER — NEW YORK — NO. 035

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

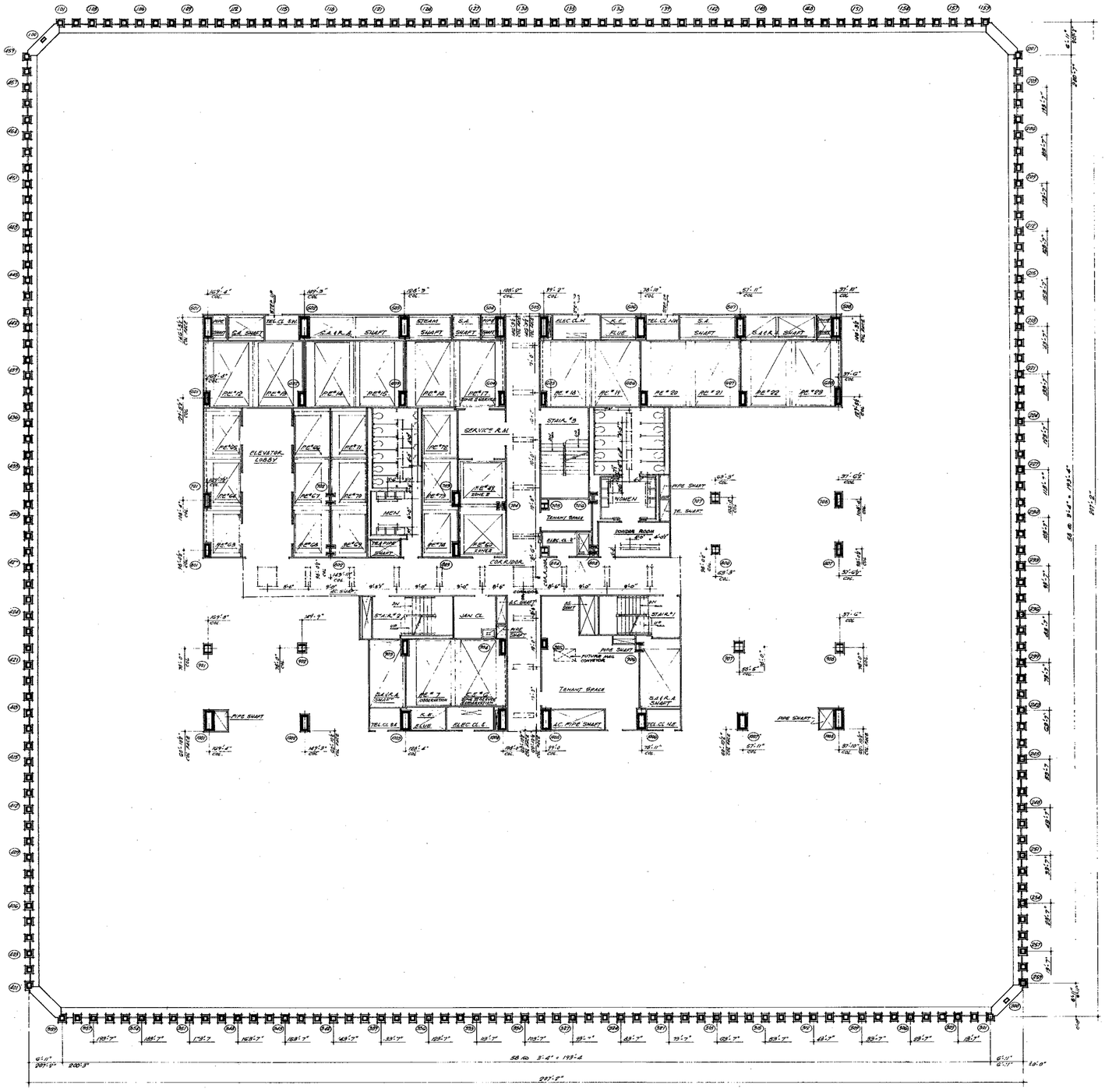
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

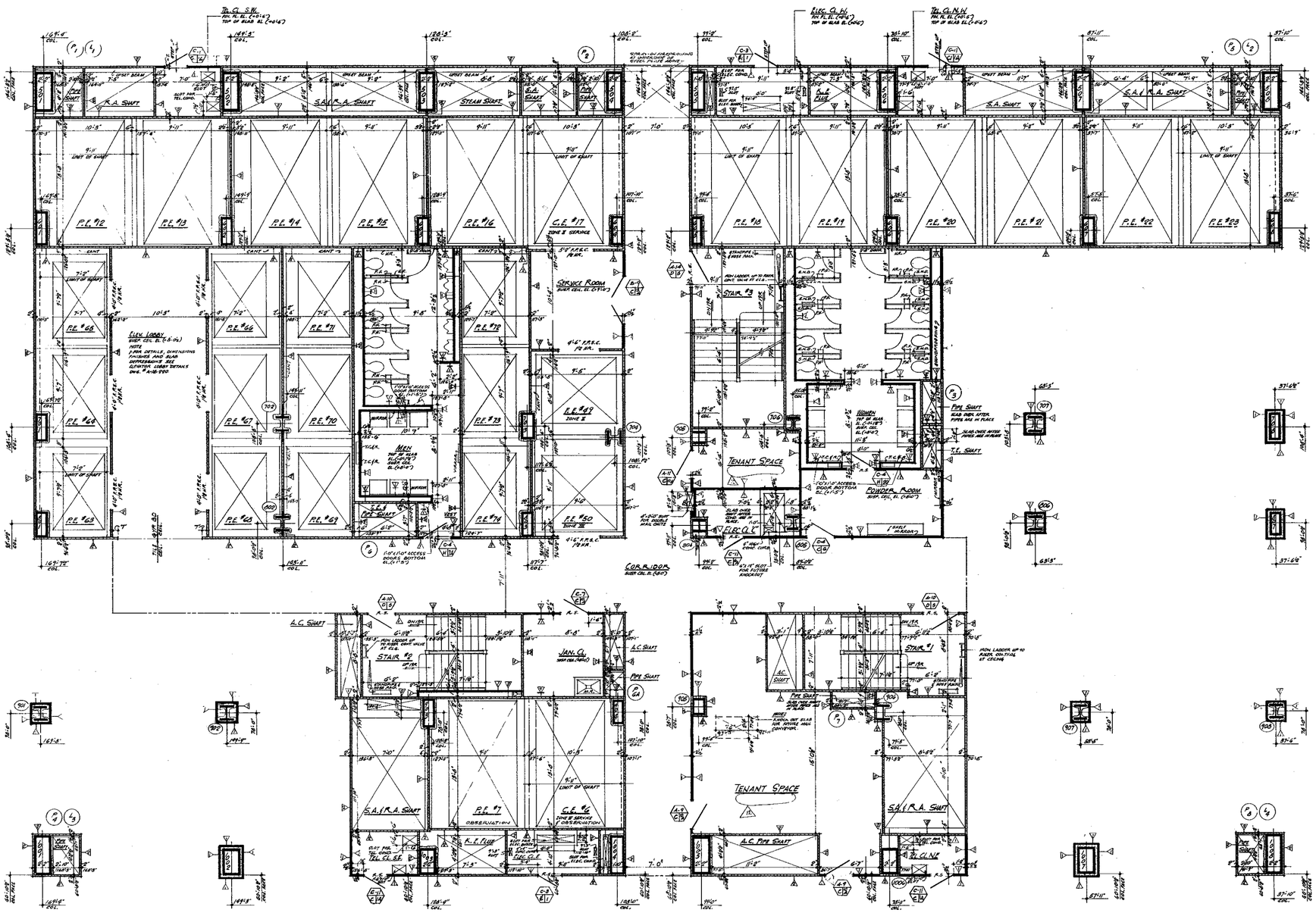
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 64TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·107		


SERVICE R.M.
ELEVATOR LOBBY
STAIR #3
MEN
WOMEN
TENANT SPACE
TEA PIPE SHAFT
PIPE SHAFT
T.E. SHAFT
ELEC. CL. S.
DINING ROOM
CORRIDOR
STAIR #2
JAN. CL.
A.C. SHAFT
A.C. PIPE SHAFT
PIPING AND CONDITION
TENANT SPACE
S.A.I.R.A. SHAFT
TEL. CL. SE
E.E. ELEVATOR CONVERSION
TEL. CL. NE
STEAM SHAFT
S.A. SHAFT
ELEC. CL. N
TEL. CL. NW
S.A.I.R.A. SHAFT
S.A. SHAFT
S.A.I.R.A. SHAFT
RE # 12
RE # 13
RE # 14
RE # 15
RE # 16
RE # 17
RE # 18
RE # 19
RE # 20
RE # 21
RE # 22
RE # 23
RE # 24
RE #



BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-65

NO.	DATE	BUL. NO.	BY
1	5-27-70	B-48	A.M.
1	7-27-67	B-35	E.C.
1	7-29-69	B-34	E.C.
1	7-29-69	B-31	E.C.
1	7-29-69	B-18	J.M.
1	7-29-69	B-25	J.M.
1	7-29-69	B-12	J.M.
1	7-29-69	B-13	J.M.
1	5-1-68	B-6	R.T.M.
1	6-1-67	B-1	C.G.
1	5-24-78	6-858	L.W.
1	1-28-71	6-84	L.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MINORU YAMASAKI — NEW YORK STATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

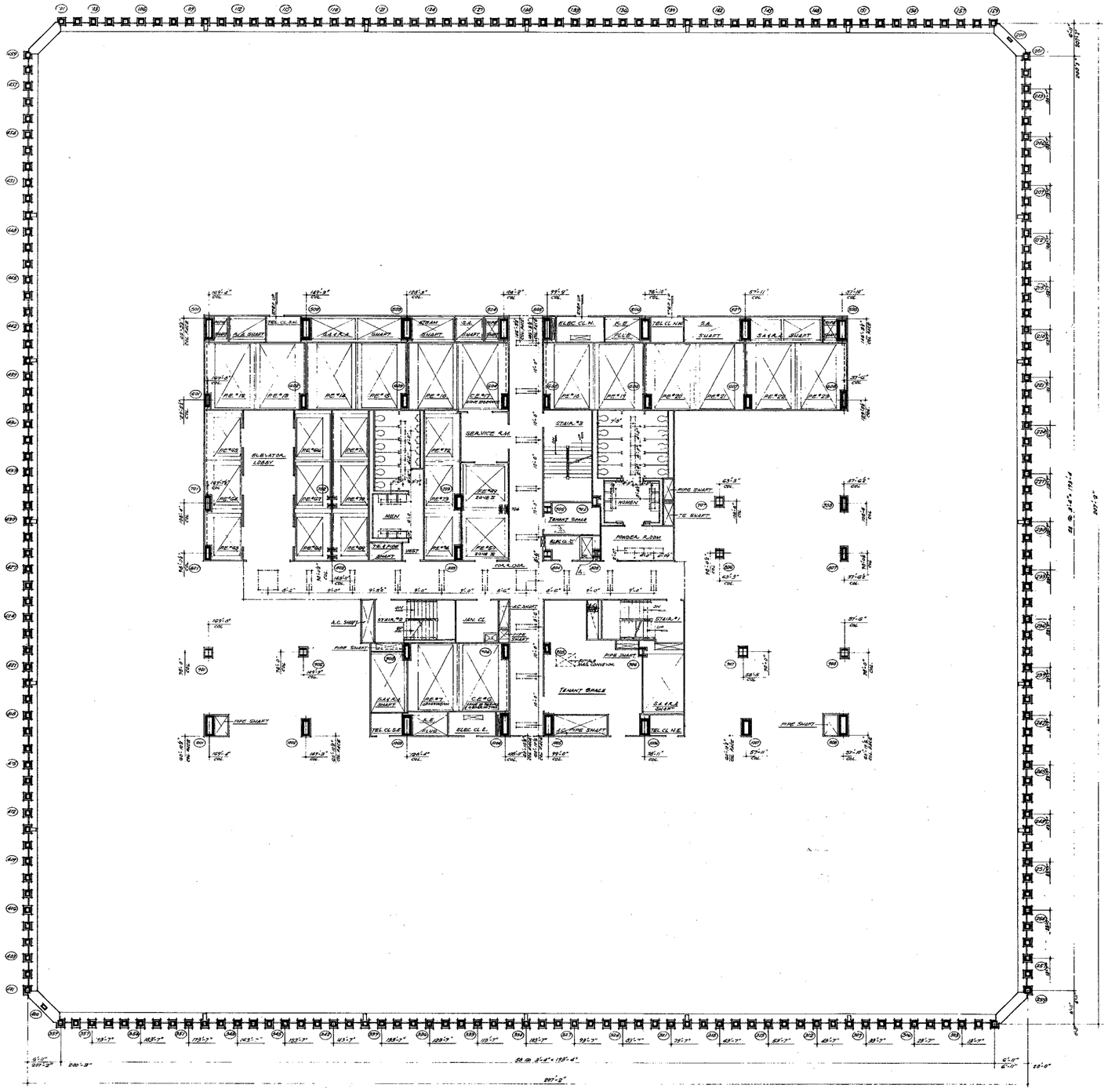
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

3/4"=1'-0" 0 1 2 3 4 8 12

TITLE: 65TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·109		


SERVICE A.C.
ELEVATOR LOBBY
MEN
WOMEN
TENANT SPACE
POWDER ROOM
PIPE SHAFT
T.E. SHAFT
A.C. SHAFT
STAIR #3
STAIR #2
STAIR #1
JAN. CL.
ELEC. CL. E.
ELEC. CL. W.
T.E. FLOOR SHAFT
TEL. CL. E.M.
TEL. CL. S.E.
TEL. CL. N.E.
TEL. CL. N.W.
S.A.R.A. SHAFT
S.A. SHAFT
V.A. SHAFT
STEAM SHAFT
K.E. FLUE
RE*1A
RE*1B
RE*2A
RE*2B
RE*3A
RE*3B
RE*4A
RE*4B
RE*5A
RE*5B
RE*6A
RE*6B
RE*7A
RE*7B
RE*8A
RE*8B
RE*9A
RE*9B
RE*10A
RE*10B
RE*11A
RE*11B
RE*12A
RE*12B
RE*13A
RE*13B
RE*14A
RE*14B
RE*15A
RE*15B
RE*16A
RE*16B
RE*17A
RE*17B
RE*18A
RE*18B
RE*19A
RE*19B
RE*20A
RE*20B

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-8.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-110
3. ALL ELEVATIONS GIVEN THUS (+00.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-M-206 AND A-M-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (+00.0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CLOSURE SEE TYPICAL TOILET DETAILS DWG # A-B-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-208 TO A-AB-228.

COL. 903

COLUMN DETAIL
SCALE 3/8"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
6	6-24-75	B-138	L.J.
5	1-28-71	B-84	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
10	5-22-70	B-85	L.J.
9	7-27-67	B-35	E.C.
8	9-29-67	B-36	E.C.
7	7-24-67	B-31	E.C.
6	9-29-69	B-18	L.J.
5	9-29-69	B-25	L.J.
4	9-29-69	B-12	L.J.
3	9-29-69	B-13	L.J.
2	8-1-68	B-6	R.T.+
1	6-1-66	B-1	D.G.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 035...

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

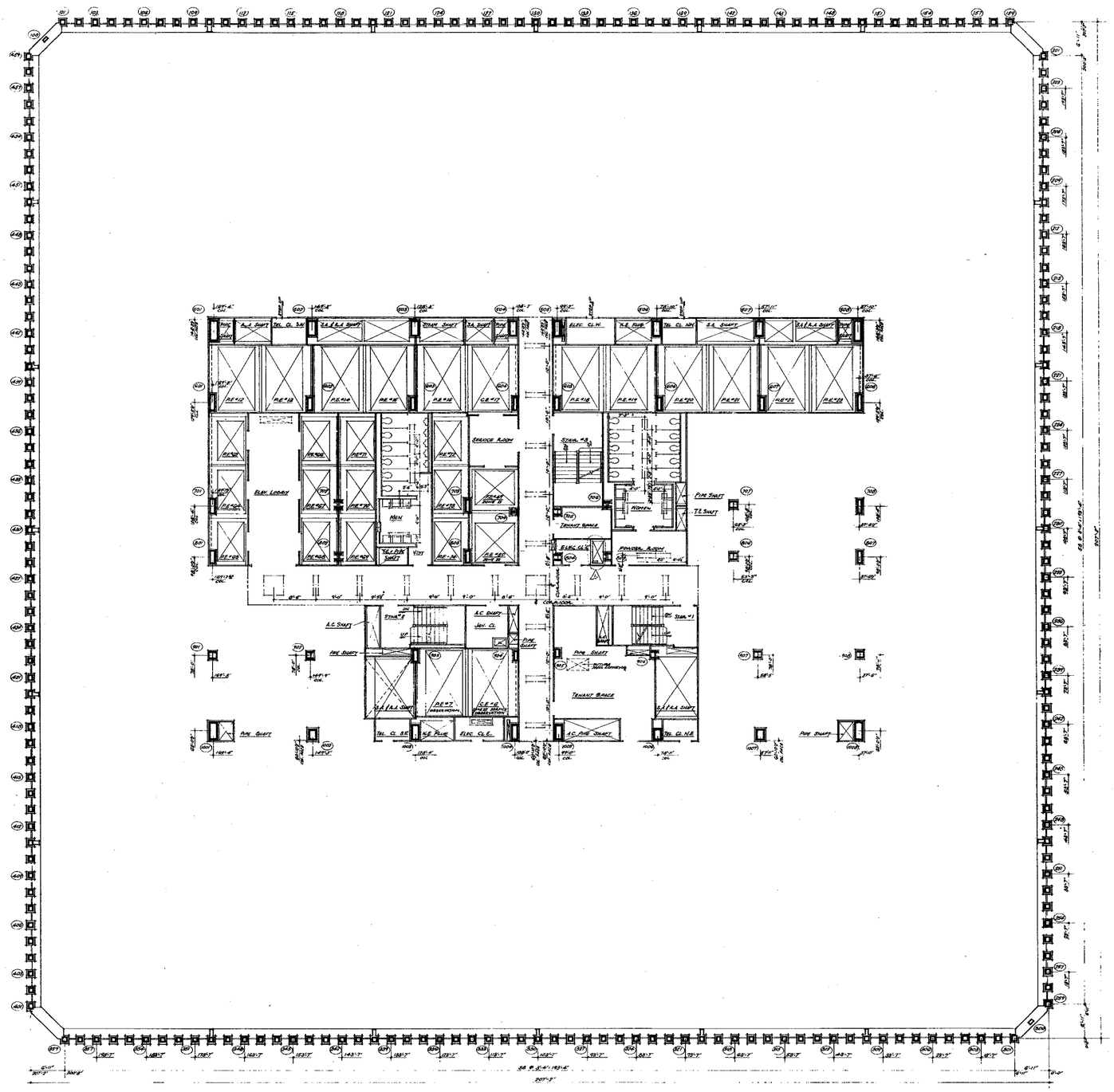
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8 12

TITLE: 66TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·111		


ELEV. LOBBY
SERVICE ROOM
MEN
WOMEN
TENANT SPACE
PUBLIC ELEV. MACHINE ROOM
A.C. SHAFT
PIPE SHAFT
T.C. SHAFT
TEL. CL. SB
TEL. CL. NB
ELEC. CL.
S.B. ELEC. CL.
N.B. ELEC. CL.
S.B. PUBLIC TEL. CL.
N.B. PUBLIC TEL. CL.
S.B. PUBLIC ELEC. CL.
N.B. PUBLIC

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND TERMINALS OF DRAWINGS SEE DRAWINGS A-1.0-1 TO A-1.0-5
2. FOR CHANGES IN SCALE, FLOOR PLAN SEE DRAWING
3. ALL ELEVATIONS GIVEN THUS (80'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. #A-10-004 AND A-10-005
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTORS APPROVED SHOP DWGS., FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (2'-0"-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE RSM DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER TO BE LOCATED IN ACCORDANCE WITH THE COUNSING. SEE TYPICAL TOILET DETAILS DWG #A-10-014
9. WHERE NO RUNG CLEARANCE ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGE ETC. BOTTOM ELEVATION OF ALL RUNS AND BOTTOMS SHALL SHALL BE MAINTAINED AT 11'-8" ABOVE FINISHED FLOOR, TO PROVIDE FOR HEIGHT CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: — — — — —
11. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7½" FROM ADJACENT. SEE TYPICAL DETAIL.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWG. A AB-304 TO A AB-312

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY
5	5-29-70	B-48	A.K.
4	9-29-69	B-36	E.C.
3	9-29-69	B-34	E.C.
2	9-29-69	B-31	E.C.
1	9-29-69	B-15	E.C.
	9-29-69	B-25	E.C.
	9-29-69	B-18	E.C.
8-24-72	8-25-72	L.V.	
6-26-71	8-113	D.T.	
1-20-71	B-84	L.V.	

REVISIONS

NO.	DATE	BUL. NO.	BY
9	9-29-69	B-12	E.C.
8	5-1-68	B-6	K.H.
7	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

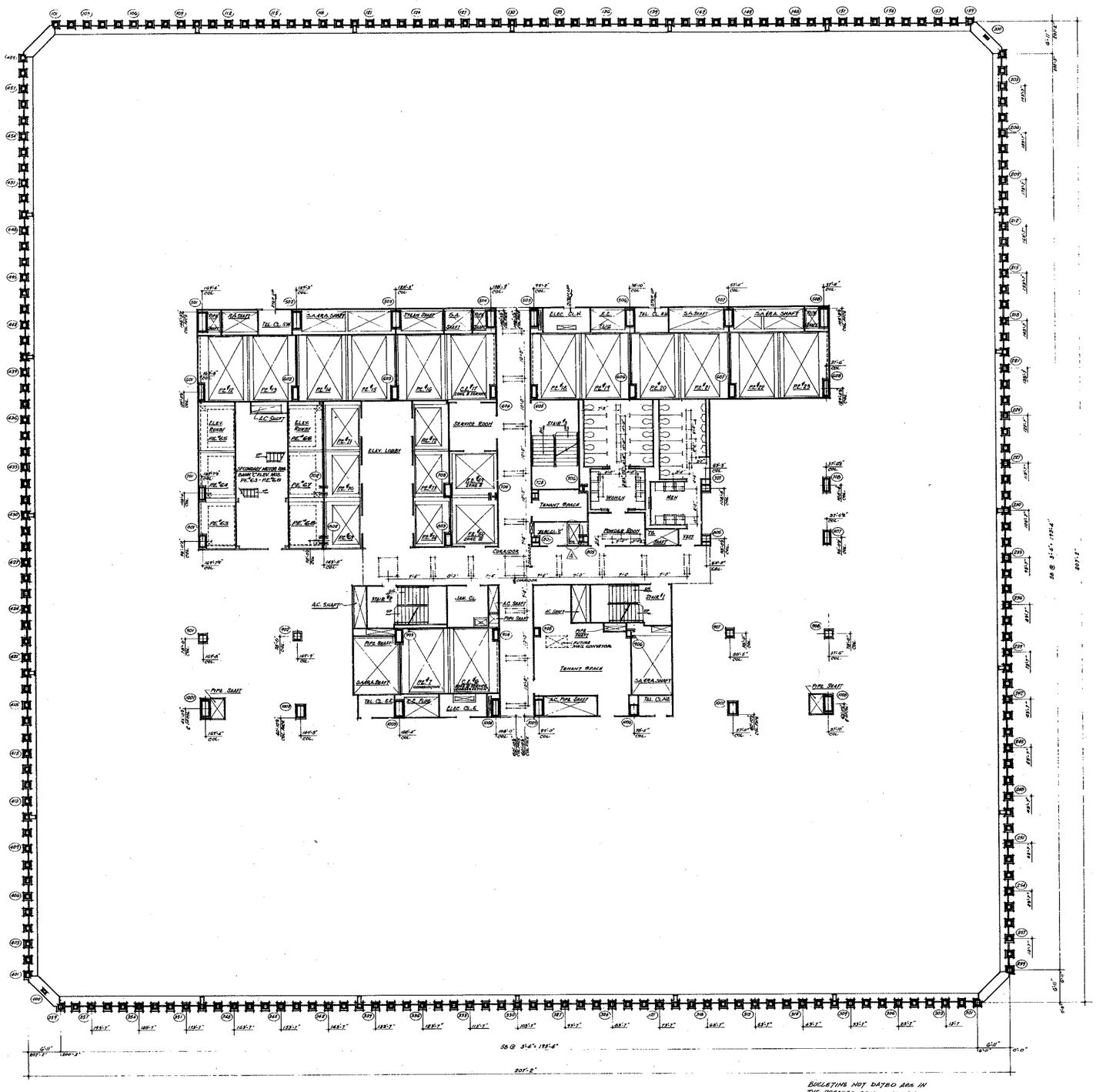
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 67TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	¼"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-113		

¼"=1'-0" 0 1' 2' 3' 4' 8' 12'



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS PLANTER SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 4" SCALE CORE DRAWING A-A-116.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT - BID - DRAWING date 12-1-68

NO.	DATE	SUB. NO.	BY
A	1-24-71	A-84	L.L.
B	9-27-69	A-84	L.L.
C	7-29-69	A-83	L.L.
D	11-21-68	A-12	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

1/8"=1'-0" 0 4 8 16 24

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

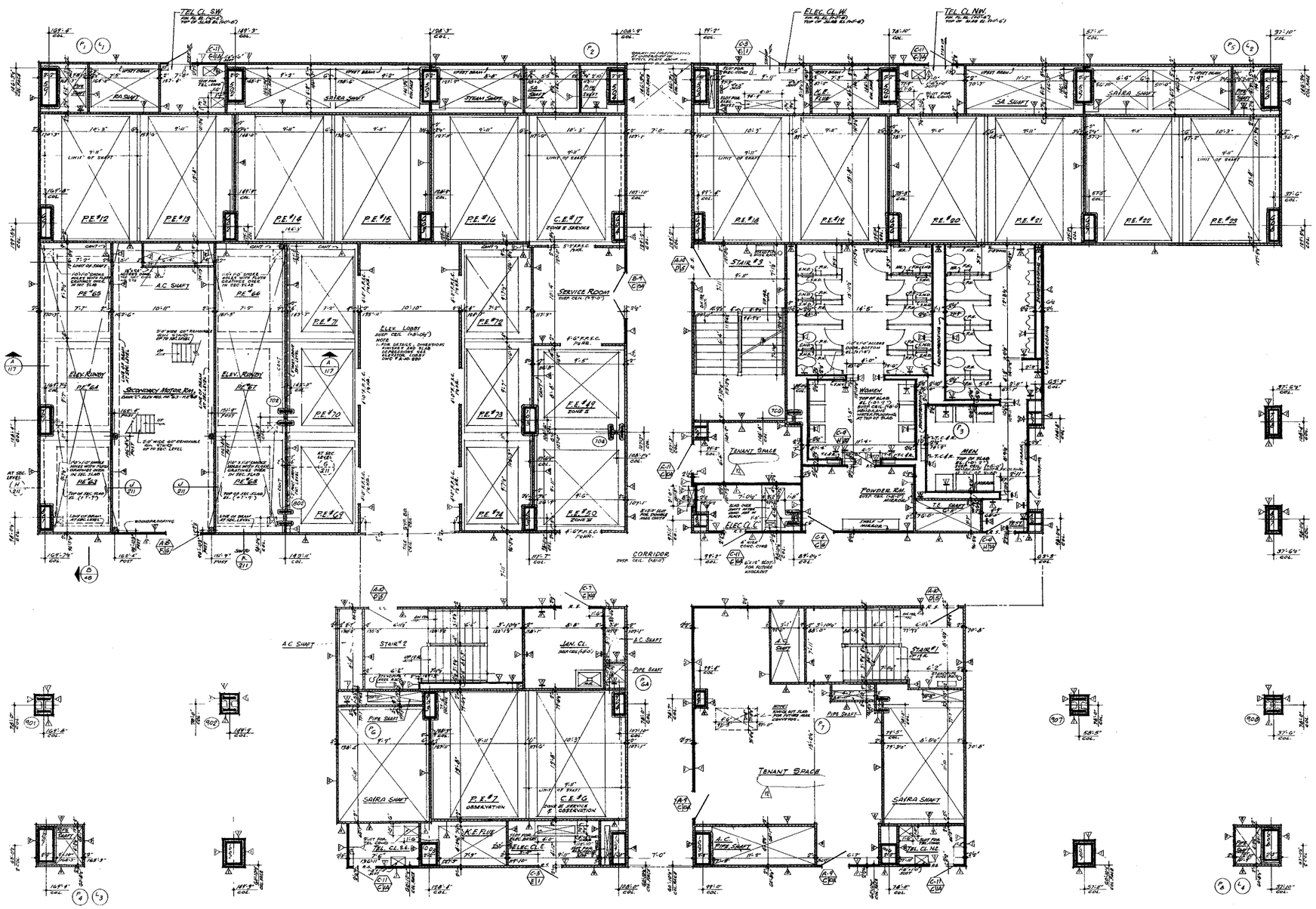
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 68TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·114		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-0-1 TO A-0-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-1-0 114
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-1A-204 AND A-1A-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER & VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING # A-1A-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL DUCTWORK AND PIPEWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" NOMINAL (FACIAL) DIMENSION, IN REVISION TENETS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-1A-204 TO A-1A-211

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING dated 5-1-68		
		5-22-70	B-48	LW
		9-29-69	B-34	LJ
		9-29-69	B-31	LJ
		9-29-69	B-28	LJ
		9-24-69	B-26	DG
		9-24-69	F-16	DG
		9-24-69	B-12	DG
		9-24-69	B-13	DG
B-84-73	B-838	LW	8-1-68	B-6	KTH
1-28-71	B-56	LW	5-1-68	B-1	DG

NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

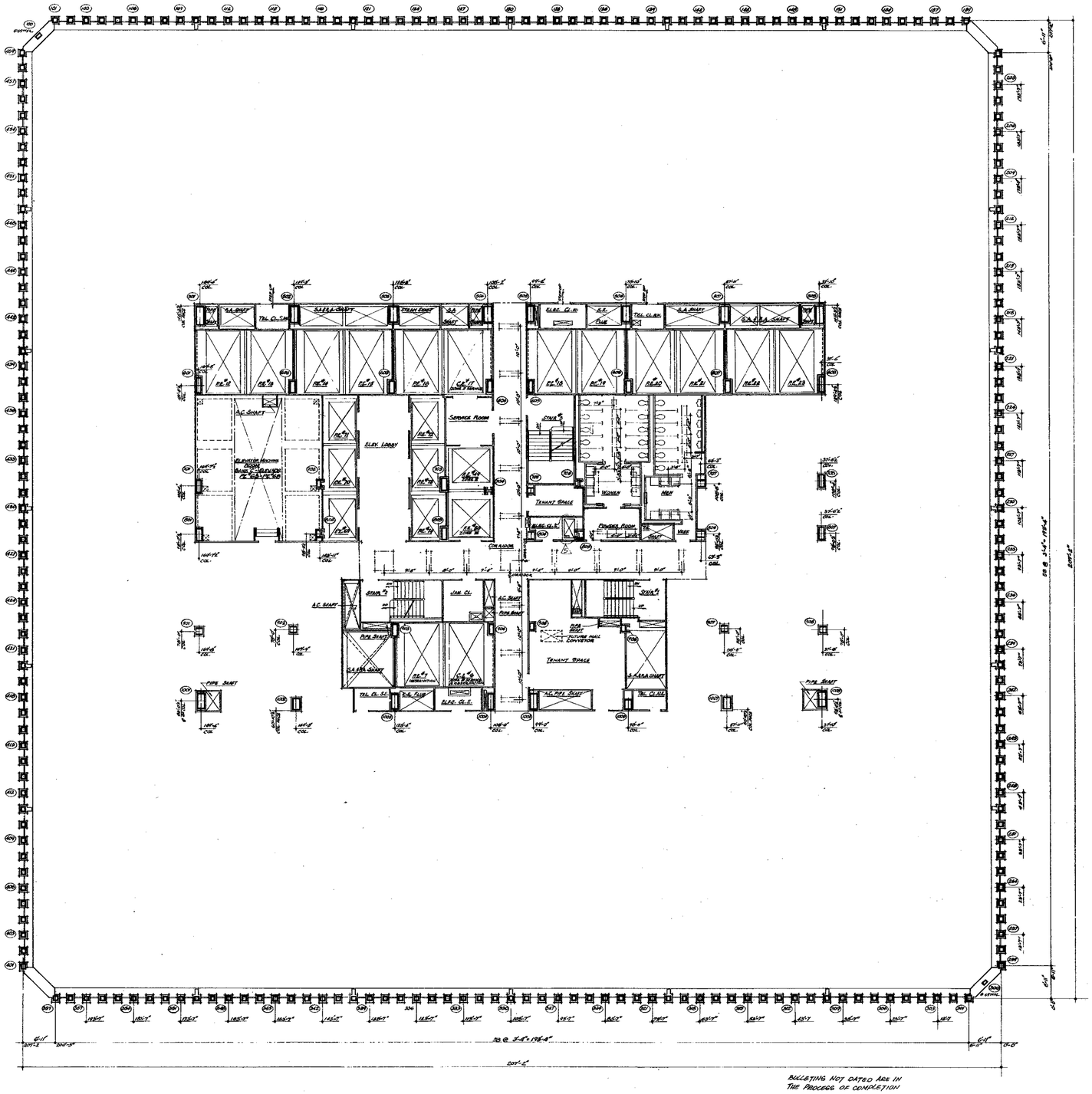
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/16"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 68TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-445		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWINGS "A-B-1 TO A-B-4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING "A-B-17.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR RECESSES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - - - -

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT: BID DRAWING date 3-1-68

NO.	DATE	SUBJ. NO.	BY
REVISIONS			
A	1-29-71	B-84	L.V.
A	9-29-69	B-56	L.V.
A	9-29-69	B-55	L.V.
A	9-29-69	B-13	W.C.
A	10-29-69	B-12	W.C.

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4' 8 16' 24'

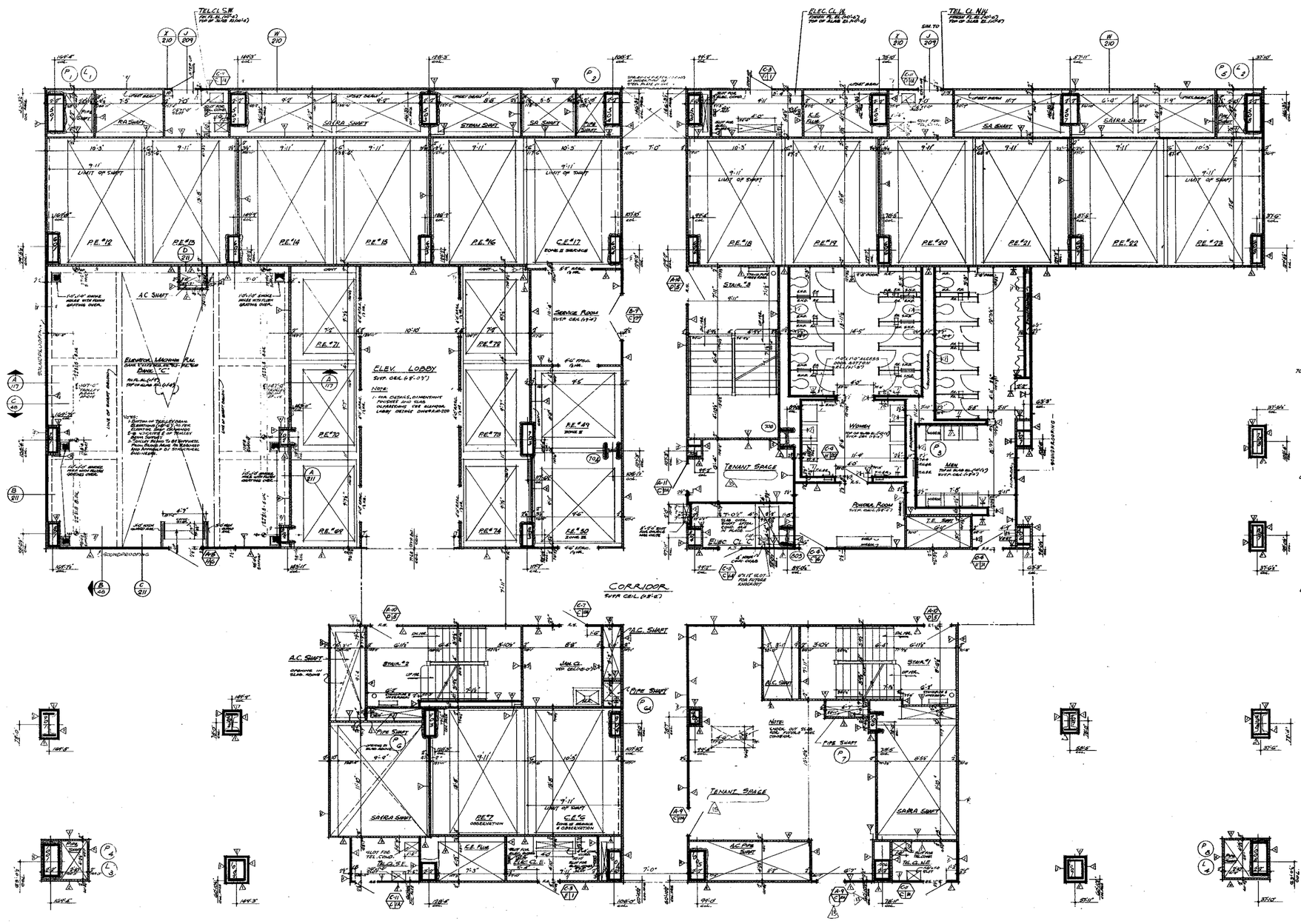
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

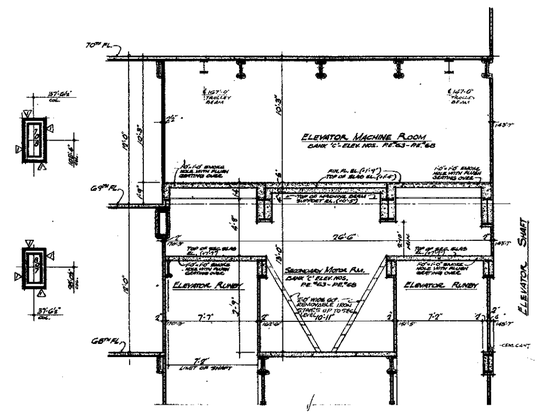
TITLE: 69TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-116		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0.1 TO A-0.6
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING # A-B-116
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG# A-A.10-206 AND A-A.10-208
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIBER-PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FF= FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS ONE DISPENSER AT EACH LAVATORY, ACCESS DOORS TO SOAP DISPENSER VALVE'S TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING #A-A.10-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PRESSURES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: — — — — — —
11. CURBS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 28" NOMINAL (6" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. SEE FIREPROOFING OF STEEL STRUCTURAL COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWING #A-A.10-210 TO A-A.10-214



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT "BID" DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
8	8-26-75	B-196	L.W.
7	1-24-74	B-84	L.W.
6	1-29-71	B-85	L.W.
5	11-24-70	B-72	L.W.
4	5-22-70	B-48	A.M.

REVISIONS

NO.	DATE	BUL. NO.	BY
3	9-29-69	B-54	L.W.
2	9-29-69	B-31	L.W.
1	9-19-69	B-25	L.W.
	9-29-69	B-10	K.D.
	9-29-69	B-5	E.C.
3	9-29-69	B-2	E.C.
2	9-29-69	B-12	E.C.
1	11-1-68	B-7	E.R.
0	8-1-68	B-6	R.T.A.
1	8-1-68	B-1	D.G.

REVISIONS

REGISTERED ARCHITECT — CONTINENTAL U.S.A. — STATE OF NEW YORK — NO. 035 758

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

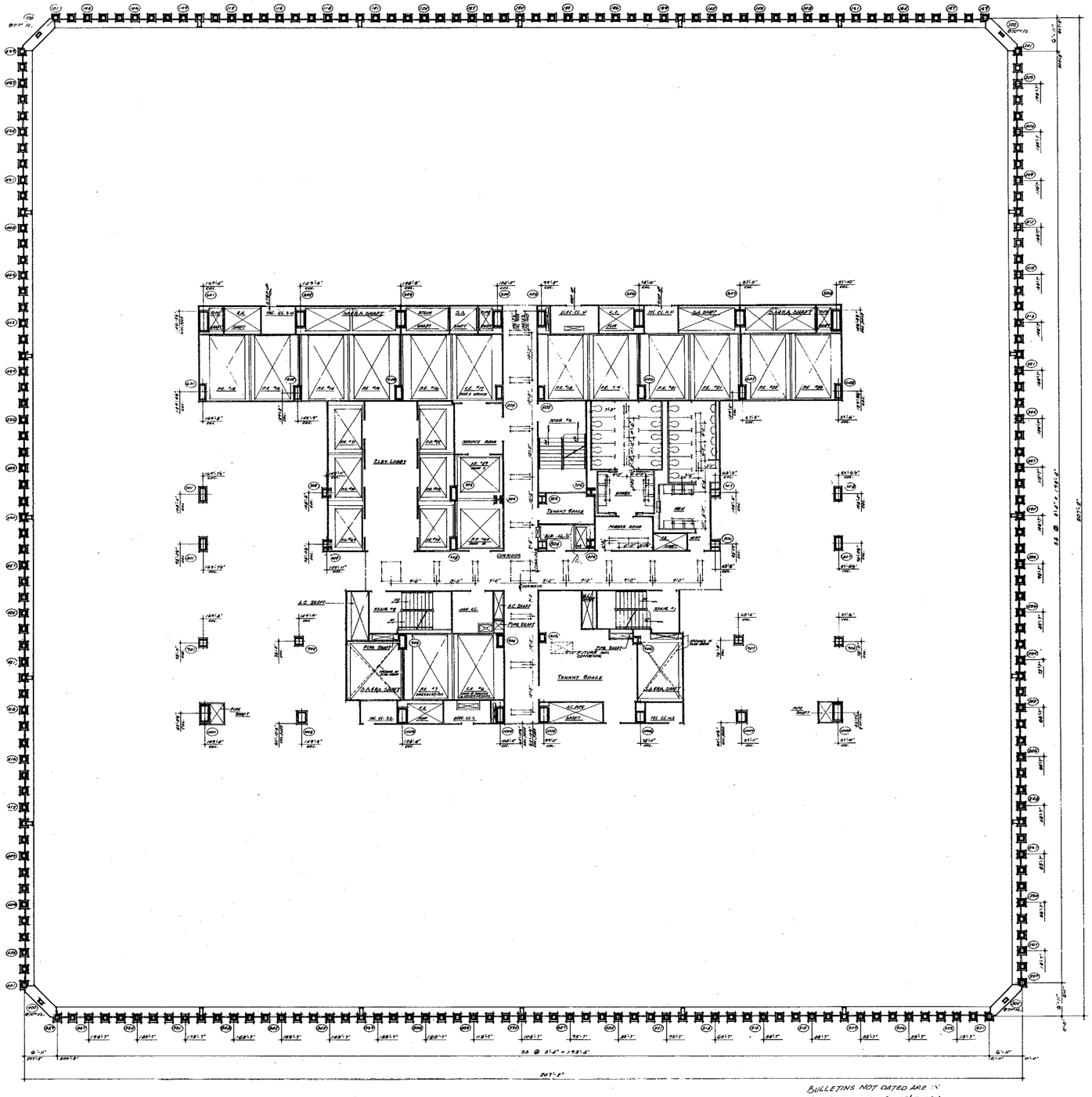
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 69TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-117		



NORTH

NOTES

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONING AND NOTES IN CORE AREA SEE ½" SCALE WORK DRAWINGS A-B-117
3. ALL ELEVATIONS GIVEN THUS (1'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (1'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGEWAYS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
2	1-29-69	B-68	L.J.
3	9-29-69	B-88	L.J.
4	9-29-69	B-93	L.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 018 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 70TH & 71ST FLOOR PLAN

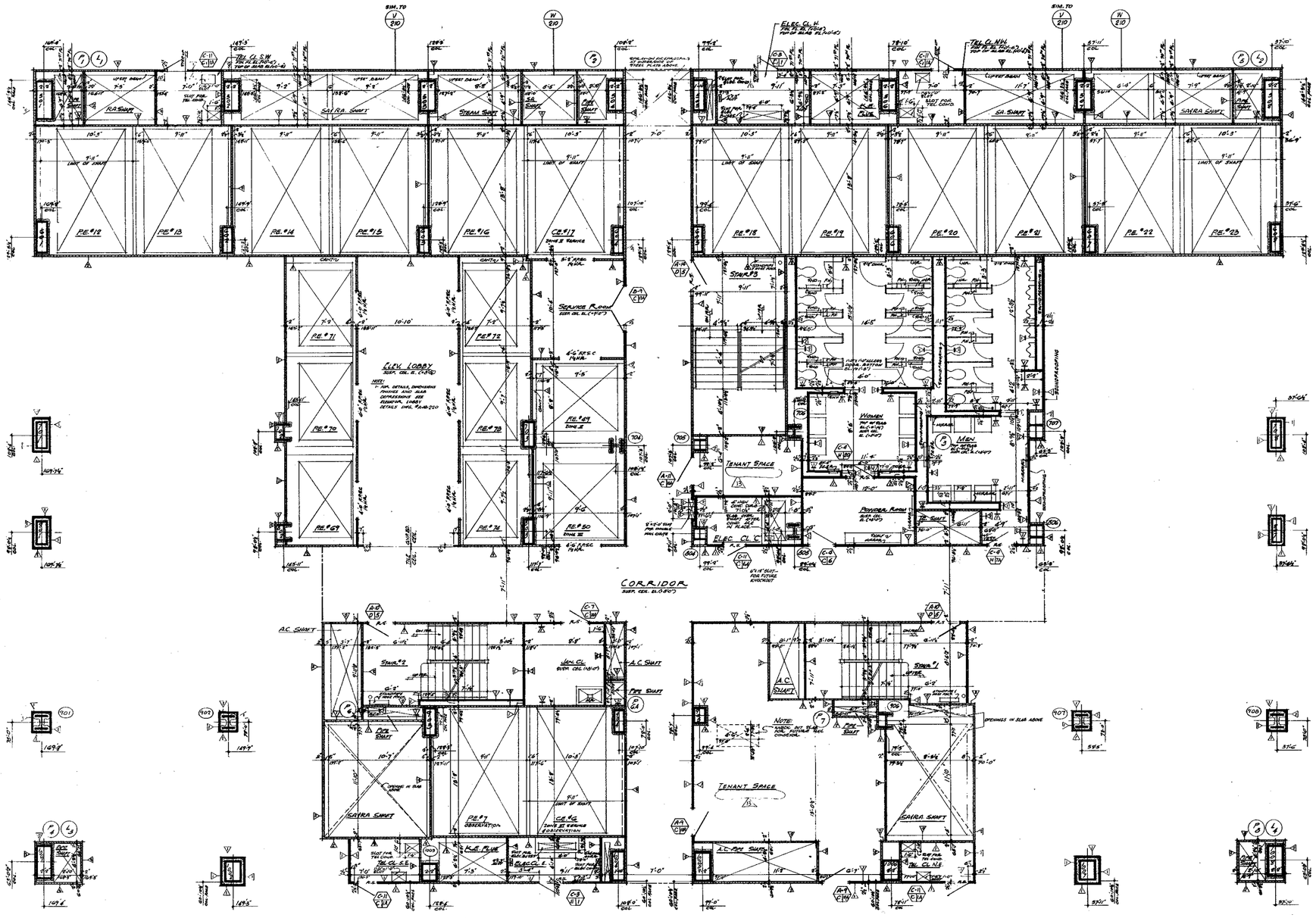
DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-118		

1/8" = 1'-0" 0 4 8' 16' 24'

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES & SCHEDULES OF DRAWINGS SEE DWGS. #A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DWG. #A-B-110
3. ALL ELEVATIONS GIVEN THUS (57'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG #A-M1-204 AND A-M1-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING #A-AB-218.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSENGER ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CEILING IS INDICATED THUS:
11. CAULTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (5" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'-0" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS #AB 206 TO #AB-212

NORTH



PART PLAN AT 71ST. FLOOR

PART PLAN AT 71ST. FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT $/D DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
Δ	5-28-70	B-35	A.H.
Δ	7-29-69	B-34	L.J.
Δ	9-29-69	B-31	L.J.
Δ	9-29-69	B-30	L.J.
Δ	9-29-69	B-12	E.C.
Δ	9-29-69	B-18	E.C.
Δ	9-29-69	B-25	E.C.
Δ	9-29-69	B-13	E.C.
Δ	8-1-68	B-6	A.; B
Δ	5-1-68	B-1	D.G.
Δ	8-28-70	B-36	L.J.
Δ	1-29-71	B-04	L.J.
Δ	1-29-71	B-05	L.J.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 035877

APPROVED

CHIEF, PLANNING DIVISION

DATE

3/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

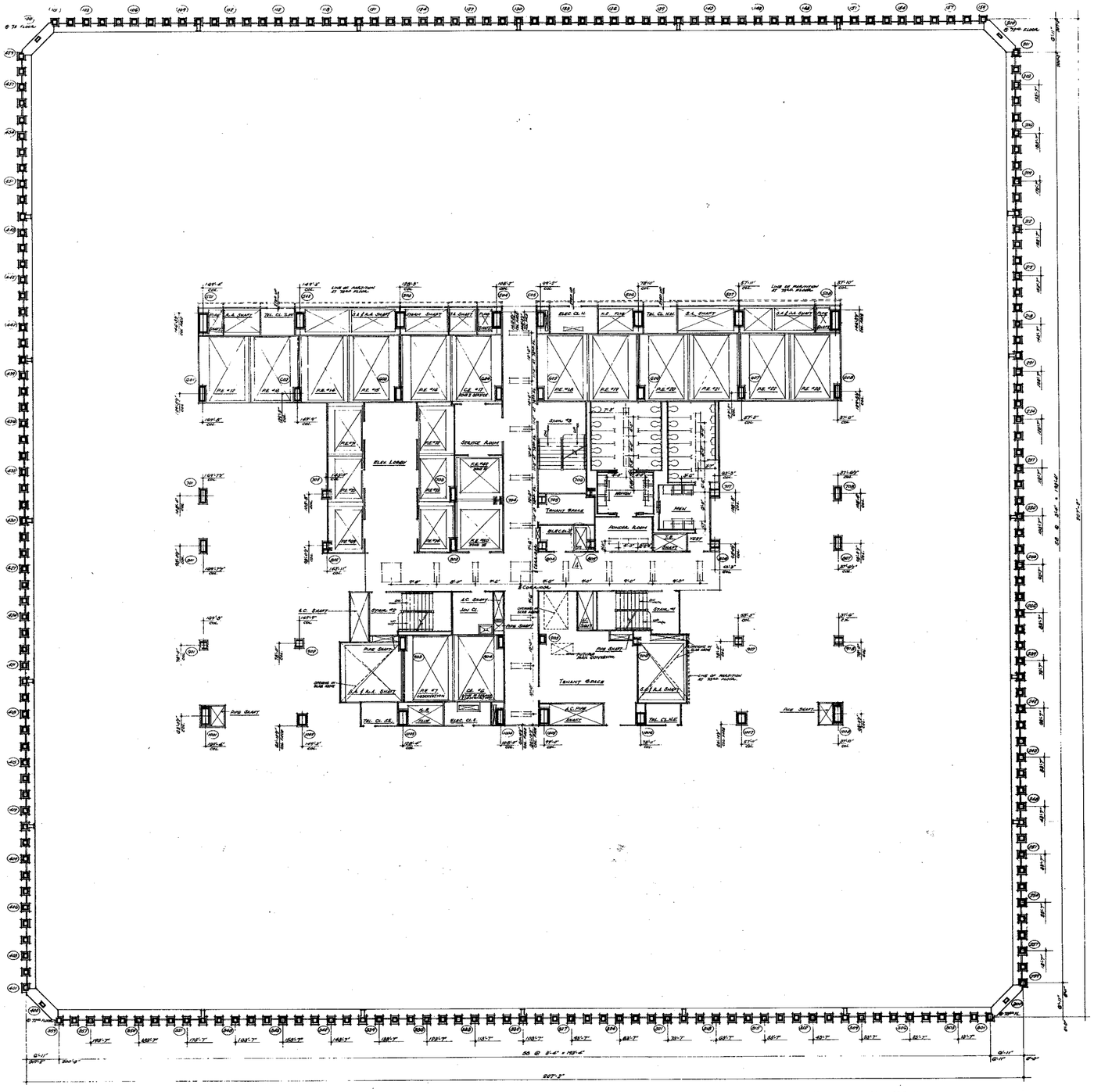
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 70TH & 71ST FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·119		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS & ABBREVIATIONS, FLOOR SCHEDULES & SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-4
2. FOR COMPLETE DIMENSIONS & NOTES IN CORE AREA SEE 1/4"=1'-0" CORE DRAWINGS A-0-121 & A-0-122
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE SHEETROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A EXPLANATION TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER & CONTRACTOR APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL OUTLETS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CAISSONS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCES OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———— - - - ————

BULLETINS NOT CATED ARE IN THE PROCESS OF COMPLETION

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
A	1-29-70	B-84	L.J.
A	7-29-69	B-84	L.J.
A	7-29-69	B-85	L.J.
A	7-29-69	B-12	P.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH No. 027 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

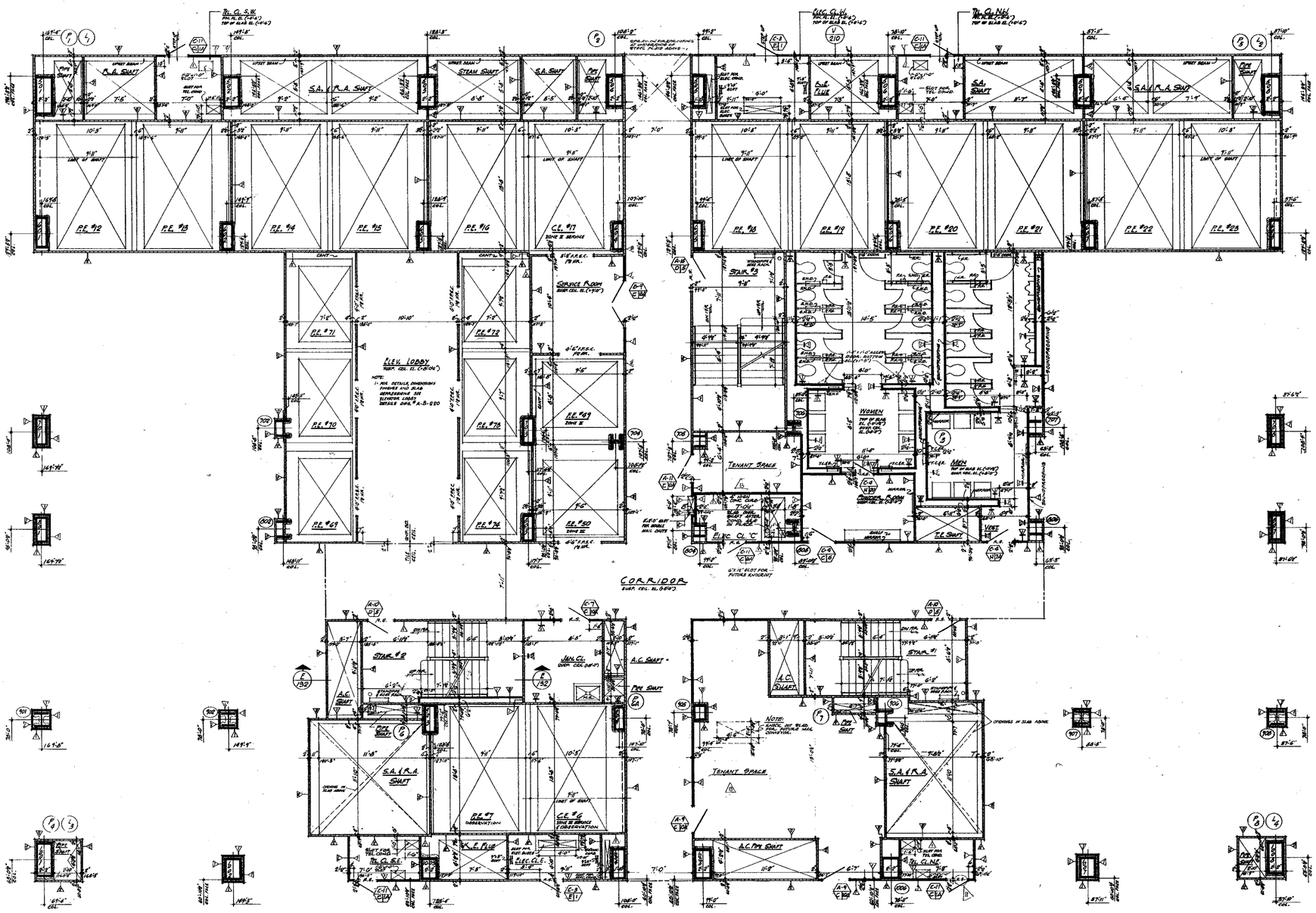
TITLE: 72ND & 73RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·120		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-5
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-120
3. ALL ELEVATIONS GIVEN THUS (84'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-B-204 AND A-B-205
6. ALL TRENCH HEADERS TO BE PREPROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A DRAIN-IN TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (-) 0'-0 1/2" UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TYPICAL TOILET DETAILS DRAWING # A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PREPARED ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - - - -
11. CANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24 NOMINAL (FACIAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 70° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR PREFINISHED OR FACE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AD-206 TO A-AB-215



COLUMN DETAILS
SCALE 1/8"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	Date	B-1-GA	
			5-20-70	B-AB	A-W
			7-29-69	B-24	L.J.
			7-29-69	B-31	L.J.
			7-29-69	B-35	L.J.
			7-29-69	B-12	D.G.
			7-29-69	B-18	D.G.
			7-29-69	B-25	D.G.
8-24-73	8-733	L.W.	7-29-69	B-13	D.G.
1-29-71	8-56	L.W.	8-1-68	B-1	P.T.H.
1-29-71	8-56	L.W.	6-1-68	B-1	D.G.

NO. DATE BUL. NO. BY — REVISIONS — NO. DATE BUL. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 31078

1/4"=1'-0" 0 4" 2' 3 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

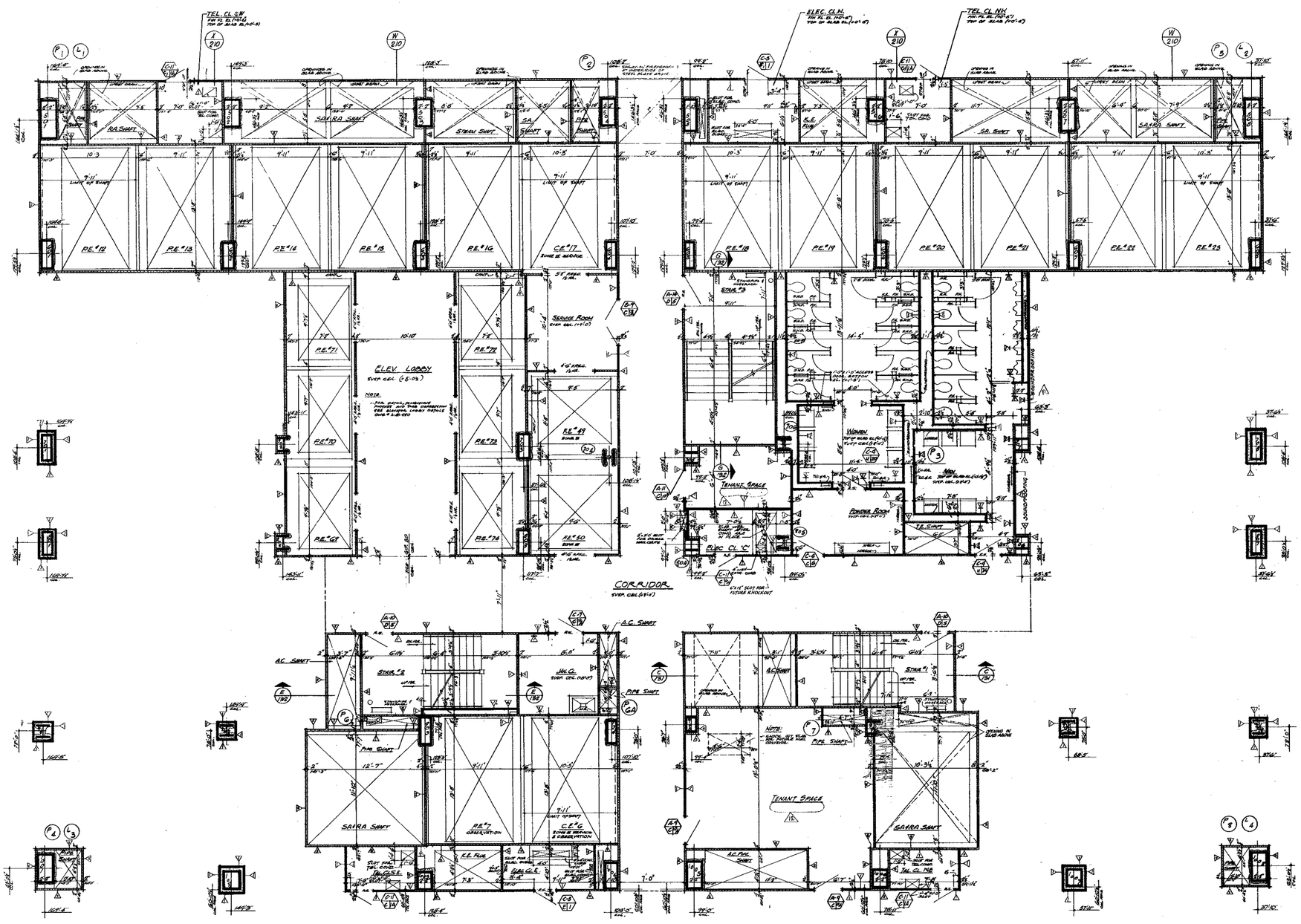
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 72ND FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-121		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS "A-A-1 TO A-A-4
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING "A-B-120
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL TRENCH DETAILS SEE DWGS. A-A.B-204 AND A-A.B-205
6. ALL TRENCH HEADERS TO BE FILLED-LOADED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIRE-PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIRE-PROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COVERING. SEE TYPICAL TOILET DETAILS DWG. A-A.B-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, HATCHWAYS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ _____
11. CANT ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 15" NOMINAL (7" ACTUAL DIMENSION) IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIRE-PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWING A-A.B-206 TO A-A.B-218

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-1-68	
		5	5-23-70	0-48	A.N.
		4	9-20-68	8-54	L.J.
		3	9-20-68	8-51	L.J.
		2	9-20-68	8-55	L.J.
		1	9-17-68	8-18	J.M.
			9-27-68	8-55	J.M.
			9-20-68	8-15	J.M.
			9-20-68	8-15	J.M.
5-28-73	5-238	6	8-1-68	8-6	R.T.H.
1-29-71	8-84	5	6-1-68	8-1	D.G.
NO. DATE	BUL. NO.	BY	NO. DATE	BUL. NO.	BY
REVISIONS			REVISIONS		

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

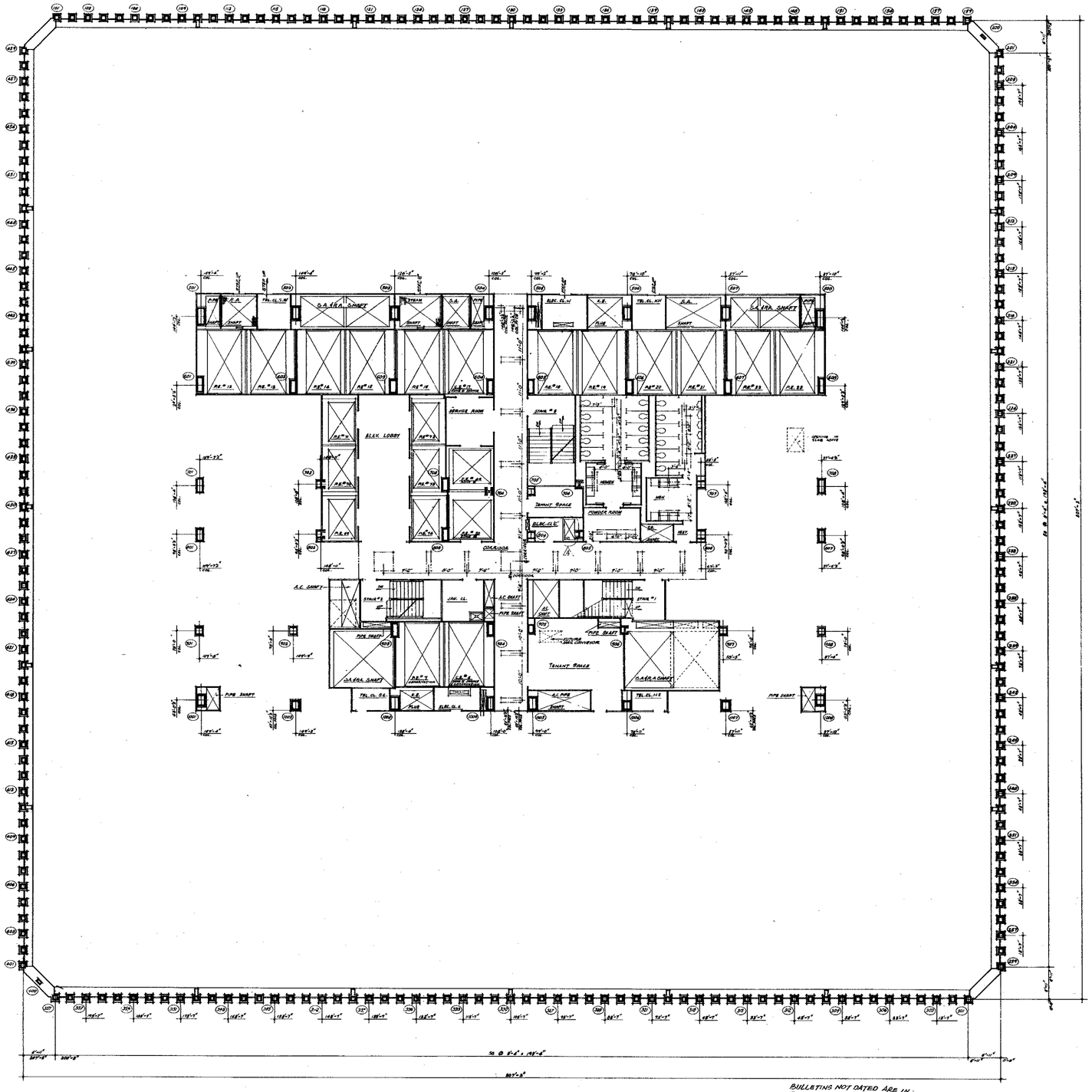
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3 4 8' 12'

TITLE: 73RD FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-122		


ELEV. LOBBY
SERVICE ROOM
TENANT SPACE
TENANT SPACE
TENANT SPACE

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-01 TO A-06.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-A-1.03
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A1-.904 AND A-A8-.905.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH 2 SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS ONE DISPENSER AT EACH LAVATORY, ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COUNTING, SEE TYPICAL TOILET DETAILS DRAWING "A-A8-.914.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: — — — —
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (2" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FABE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-.90 TO A-A8-.914.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID		DRAWING date 8-1-68		
		4	5-17-70	B-46	AN
		3	9-29-69	B-34	LL
		2	9-29-69	B-31	LL
		1	9-29-69	B-33	LL
		6	9-29-69	B-18	DG
		5	9-29-69	B-16	DG
		4	9-29-69	B-25	DG
		3	9-29-69	B-13	DG
3	8-28-69	3-238	LL	2	8-1-68	B-6	RTA
1	1-29-69	B-84	LL	1	6-1-68	B-1	DG

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

ADDRESSED ARCHITECT — CITY OF NEW YORK — NO. 4710

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

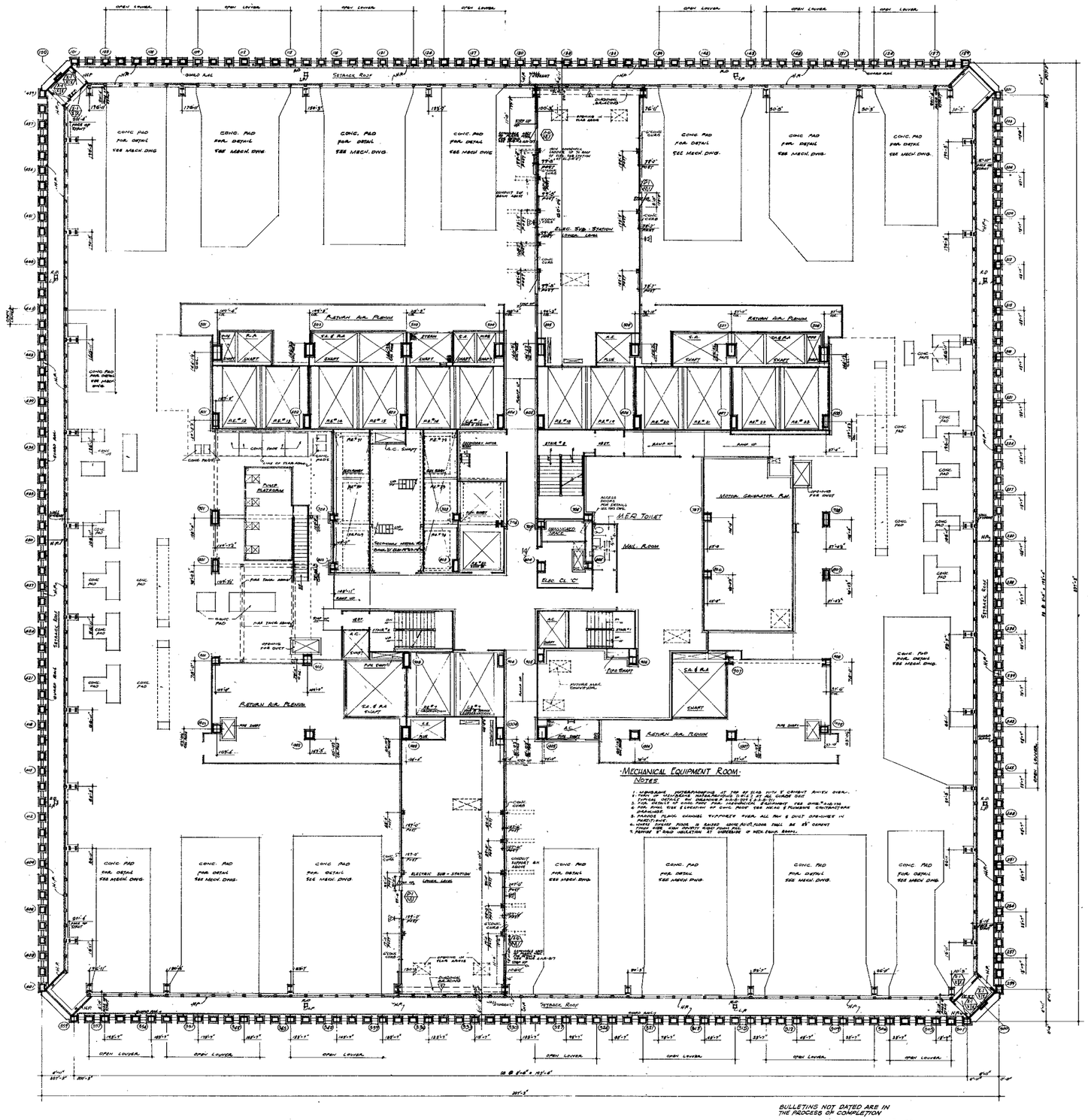
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 74TH FLOOR CORE PLAN

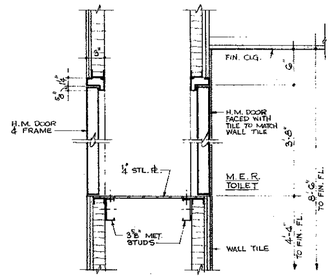
DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-124		



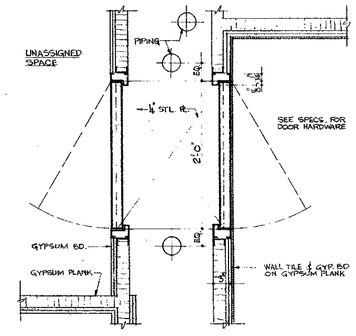
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SCALE CORE DRAWING # A-0-170.
3. ALL ELEVATIONS GIVEN THUS (± 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG# A-A0-304 & A-A0-305.
6. FINISH FLOOR ELEVATION (F.F.E.) TOP OF SLAB EL. 1-6"=1" UNLESS OTHERWISE NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATIONS OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.



SECTION



PLAN

DETAILS OF ACCESS DOORS TO UNASSIGNED SPACE

SCALE: 1½" = 1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-66

NO.	DATE	BUL. NO.	BY
		VO10	B-199	L.J
		5-3-70	B-167	L.C.
		1-20-71	B-84	L.J.
		5-27-70	B-98	A.W.
		9-29-69	B-12	E.C.
		9-29-69	B-19	E.C.
6	6-4-75	B-295	L.J.
5	1-27-74	B-253	L.J.
4	10-8-73	B-202	S.D.
3	4-15-73	B-209	D.S.

REVISIONS

NO.	DATE	BUL. NO.	BY
	9-29-69	B-18	E.C.
	9-29-69	B-34	E.C.
	11-1-68	B-7	M.M.
	6-1-68	B-1	D.G.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 8376

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1½"=1'-0" 0 3" 6" 1' 2'
1/32"=1'-0" 0 4' 8' 16 24'

TITLE: 75TH FLOOR PLAN
LOWER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-127		

NORTH

RETURN AIR PLENUM
1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.

ELECTRIC SUB-STATION
LOWER LEVEL

SECONDARY MOTOR R.M.
BANK "D" ELEV. NO. "29-11th FL."
FIN. FL. EL. (-0.6")
TOP OF SLAB EL. (-2")

MOTOR GENERATOR R.M.
FIN. FL. EL. (-0.3")
TOP OF SLAB EL. (-0.2")

MER TOILET
FIN. FL. EL. (-0.6")
TOP OF SLAB EL. (-2")
MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER. TURN UP MEMBRANE WATERPROOFING TO (+4'-0") AT ALL PARTITIONS AND CURBS

MAIL ROOM
FIN. FL. EL. (-0.6")
TOP OF SLAB EL. (-2")

UNASSIGNED SPACE

S.A. & R.A. SHAFT

P.E. #70 · P.E. #71 · P.E. #72 · P.E. #73 · P.E. #74 · P.E. #75 · P.E. #76 · C.E. 77 ZONE II SERVICE · P.E. #78 · P.E. #79 · P.E. #80 · P.E. #81 · P.E. #82 · P.E. #83

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAININGS SEE DRAWING # A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-127
3. ALL ELEVATIONS GIVEN THUS (+4'-1") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR, DETAILS SEE DWG # A-B1-206 AND A-B1-205
6. FIN. FLOOR EL. (0'-0") TOP OF SLAB EL. (-0'-4") UNLESS OTHERWISE SHOWN OR NOTED.
7. NUMBER 10 EXPOSED GRADE ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FRAMING AND STRUCTURAL SHALL BE MAINTAINED AT 8'-4" MINIMUM FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. GRATES ARE ASSEMBLED ON ALL BEAM PROJECTIONS OVER 1'-0" INCH (2" ACTUAL) DIMENSION, IN SHAFTS AND SHALL BE MINIMUM 75% FREE AREA HORIZONTAL SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DWGS. # A-B-306 TO # A-B-312
10. ELEVATIONS TO TOP OF CONCRETE CURBS TO BE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.

MECHANICAL EQUIPMENT ROOM

NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (+0'-4") ALL CURBS SEE TYPICAL DETAILS ON DWG. # A-B 304 & A-B1-211
3. FOR DETAILS OF CONC. PADS FOR MECHANICAL EQUIPMENT SEE DWG # A-B1-118
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE H.V.A.C. & PLUMBING CONTRACTOR'S DRAWINGS.
5. PROVIDE FLOOR CHANNEL SUPPORTS OVER ALL PANT & DUCT OPENINGS IN PARTITIONS, SEE DWG. # A-B-316
6. WHERE FINISHED FLOOR IS RAISED ABOVE (+0'-0") FLOOR, SHALL BE 2½" CEMENT FINISH OVER, HIGH DENSITY FOAM FILL
7. PROVIDE 6" ACOUSTICAL INSULATION AT UNDERSIDE OF MECH. EQUIP. R.M. FLOOR.

COL. # 309

COL. # 703

COL. # 901

COLUMN DETAILS
SCALE: 1"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING: date 3-4-68

NO.	DATE	BUL. NO.	BY
		9-27-70	B-46	L.W.
G-4-75	B-243	L.W.	9-19-69	B-81	L.W.
7-26-76	B-207	L.W.	9-29-69	B-12	E.C.
1-22-74	B-346	H.N.	9-29-69	B-18	E.C.
1-20-76	B-253	L.W.	9-29-69	B-19	E.C.
10-8-73	B-296	J.S.	9-29-69	B-26	E.C.
8-8-71	BI-AGT	L.C.	9-29-69	B-15	E.C.
8-28-71	B-138	D.T.	1-1-68	B-7	E.C.
1-29-71	B-164	L.W.	8-1-68	B-6	K.T.H.
5-20-70	B-38	B.H.	6-1-68	B-1	C.G.

REVISIONS

REGISTERED ARCHITECT — PROFESSIONAL SOCIETY — NEW YORK STATE

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

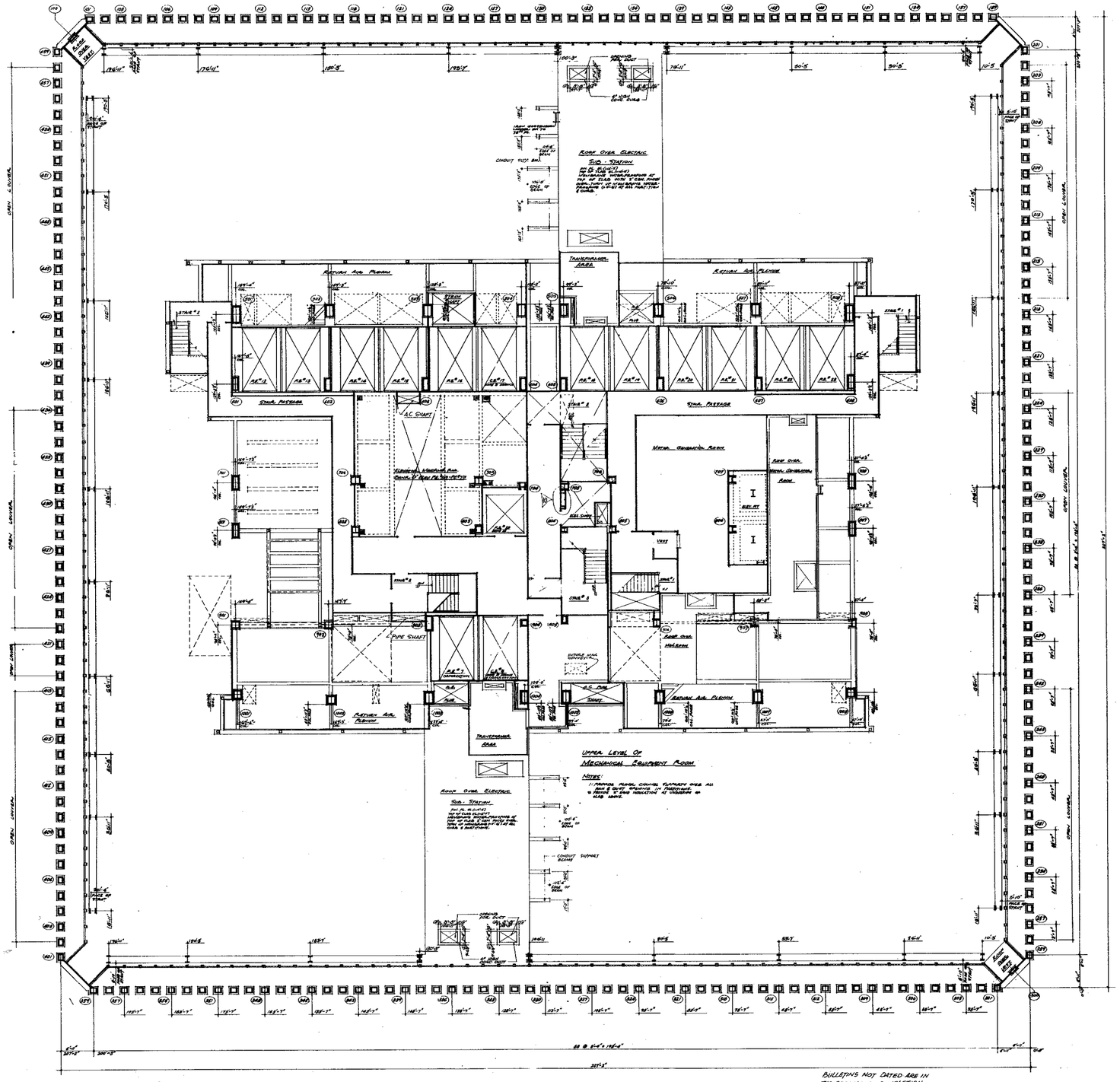
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 75TH FLOOR CORE PLAN
LOWER MECH. EQUIP. R.M. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-128		

1/8"=1'-0" 0 1 2 3'-4 8' 16'



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DEMINGS SEE DRAWINGS A-0.01 TO A-0.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING A-0.175.
3. ALL ELEVATIONS GIVEN THUS (20'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG# A0.109 AND A0.305
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, DUCTS AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID — DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
1	6-16-75	B-293	L.H.
2	10-8-73	B-220	L.H.
3	4-18-73	B-209	D.S.
4	VOID	B-199	D.S.
5	1-29-71	B-64	L.H.
6	7-27-69	B-15	J.M.
7	7-29-69	B-17	J.M.
8	11-1-68	B-7	M.M.
9	8-1-68	B-6	K.T.H.
10	5-1-68	B-1	D.G.

REVISIONS

APPROVED

REGISTERED ARCHITECT RICHARD ROTH NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 76TH FLOOR PLAN
Upper Mech. Equip. Rm. Level

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-129		

ROOF OVER ELECTRIC SUB-STATION

RETURN AIR PLENUM

STAIR #2

STEAM SHAFT

TRANSFORMER AREA

STAIR #3

STAIR #4

STAIR PASSAGE

A.C. SHAFT

ELEVATOR MACHINE RM.

CORRIDOR

MOTOR GENERATOR RM.

ROOF OVER MOTOR GENERATOR RM.

ELEV. PIT

STAIR #1

ROOF OVER MAIL RM.

A.C. PIPE SHAFT

FIRE RESERVE TANK

EXCAVATION - PIT ABOVE

PIPE SHAFT

OPEN

NORTH

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATION, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING "A-B-1" TO A-B-6.
2. FOR COMPLETE "H" SOILE FLOOR PLAN SEE DRAWING "A-B-1.01"
3. ALL ELEVATION GIVEN THUS (16'-0") ARE TAKEN IN RELATION TO FINISHED 76TH FL.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. ALL SUSPENDED CEILING ELEVATIONS ARE TAKEN IN RELATION TO FINISHED 76TH FL.
6. FOR TYPICAL STAIR DETAILS SEE DWG.# A-A-204 AND A-A-206
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3/4" NOMINAL (5" ACTUAL) EXPOSED IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15° FROM HORIZONTAL SEE TYPICAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-B-206 TO A-A-B-2.2.

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES:

1. PROVIDE PLANK CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS SEE DWG # A-B-212
2. PROVIDE 2" R.I.GID INSULATION AT UNDERSIDE OF SLAB ABOVE.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID · DRAWING · date 8-1-68

NO.	DATE	BUL. NO.	BY
	10-8-70	B-220	L.W.
	1-19-71	B-84	L.W.
	5-28-70	B-45	A.M.
	7-29-69	B-18	J.M.
	9-29-69	B-18	J.M.
	9-29-69	B-19	J.M.
	9-29-69	B-13	J.M.
	11-1-68	B-7	A.M.
	8-1-68	B-6	R.M.
	6-1-66	B-1	D.G.
1	6-4-75	B-893	L.W.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

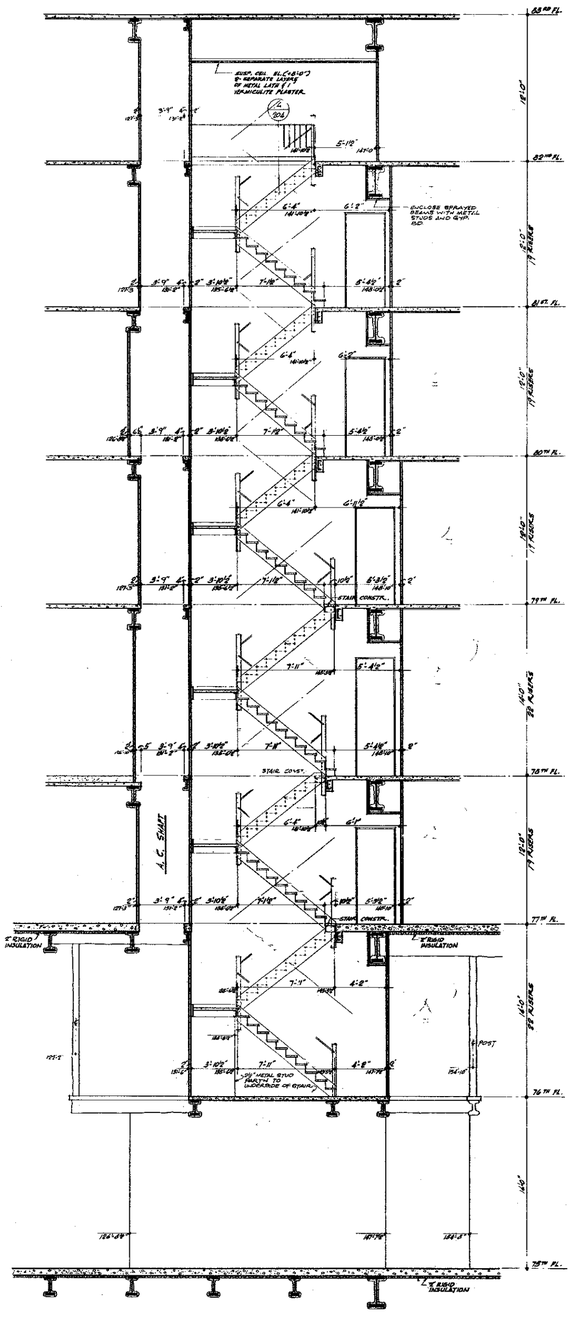
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

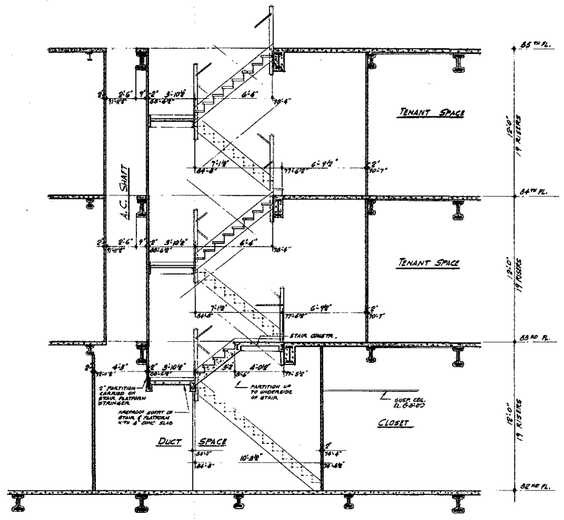
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 76TH FLOOR CORE PLAN
UPPER MECH. EQUIP. RM. LEVEL

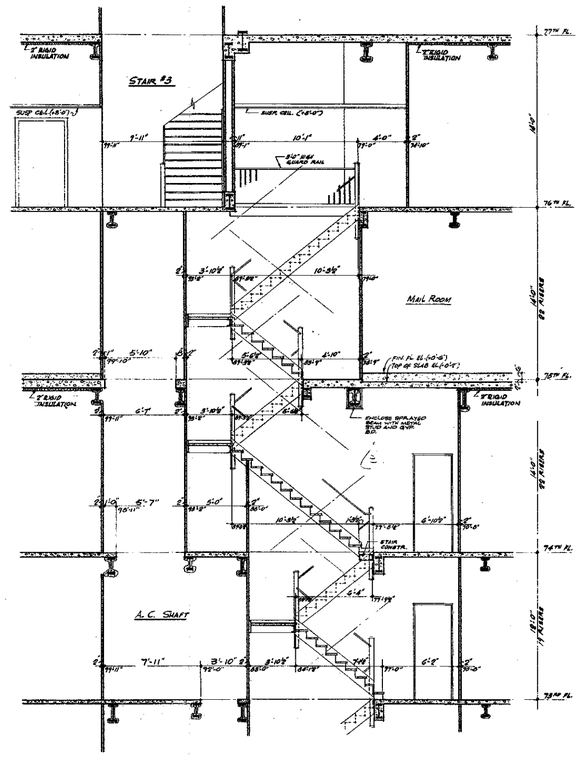
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-130		



SECTION (A/131) THRU STAIR #1



SECTION (B/131) THRU STAIR #1



SECTION (C/131) THRU STAIR #1

NOTES

1 - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A.B.1 TO A.B.6

2- ALL ELEVATIONS GIVEN THUS (-8'-10") ARE IN RELATION TO FINISH FLOOR.

3. FOR TYPICAL STAIR DETAILS SEE DWGS#A.B.201 AND A.B.205

4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

5. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A.AB-206 TO A.AB-216

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-68

NO.	DATE	BUL. NO.	BY
A	9-20-69	B-18	PG
A	8-1-68	B-6	ATK
A	5-1-68	B-1	PG

REVISIONS

REGISTERED ARCHITECT RICHARD ROTH NO. 019 STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

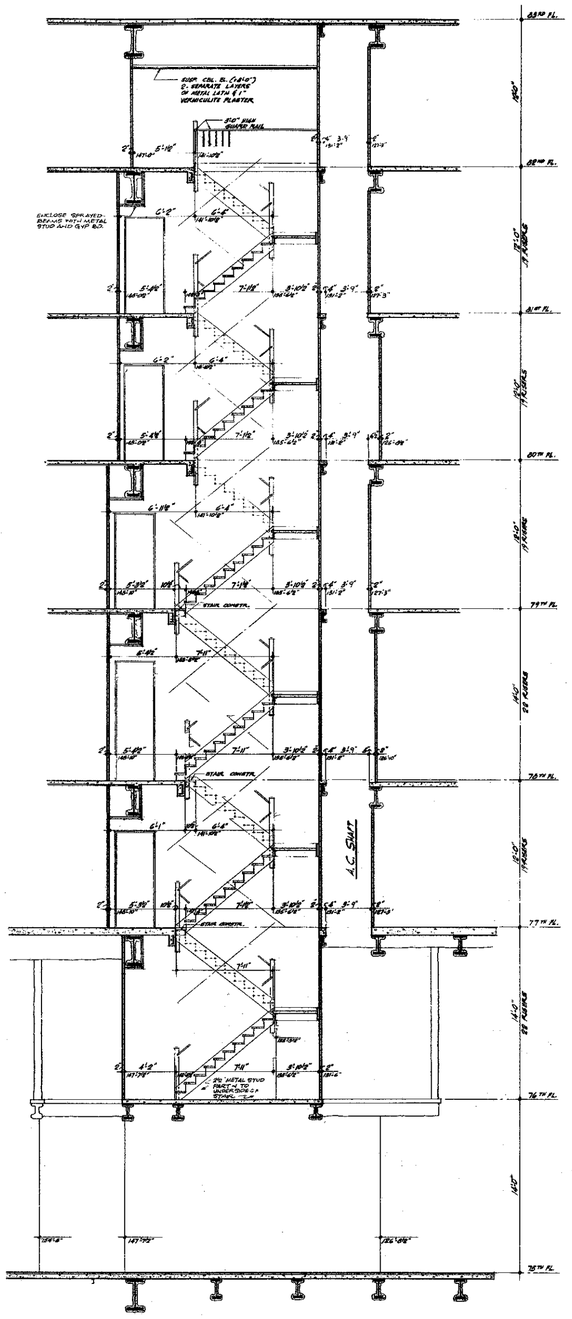
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

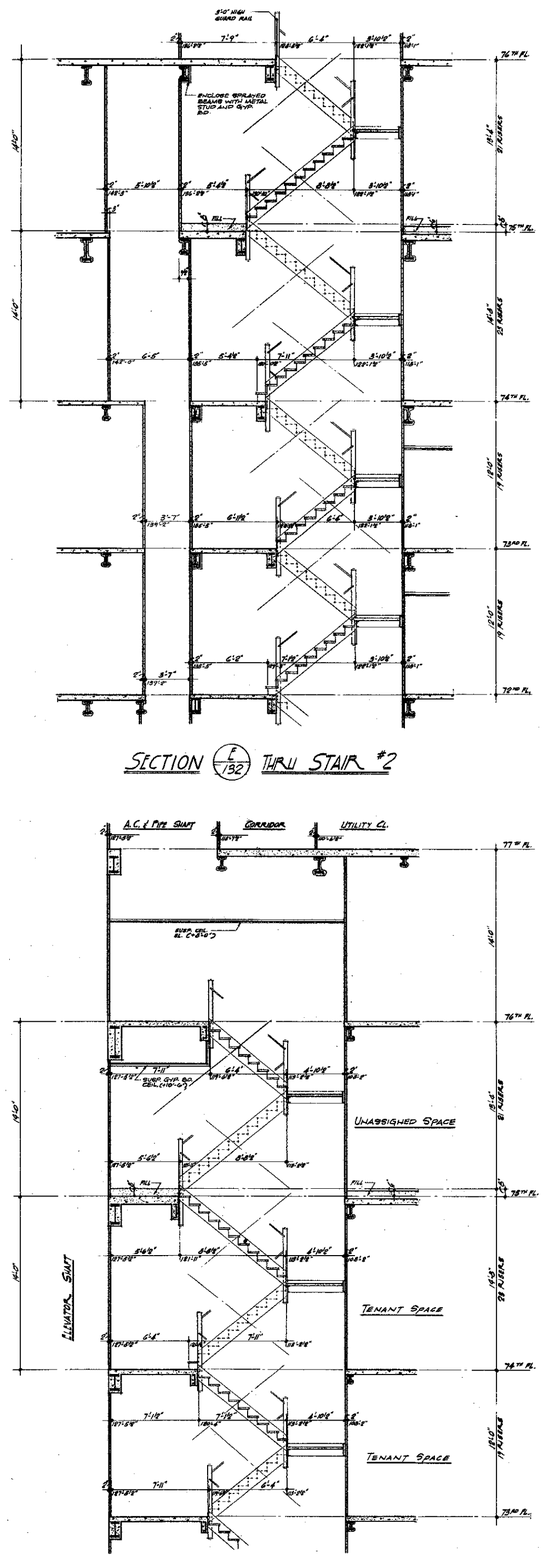
1/8"=1'-0" 0 1' 2' 3' 4 8' 12

TITLE: STAIR SECTIONS
STAIR #1

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-131		

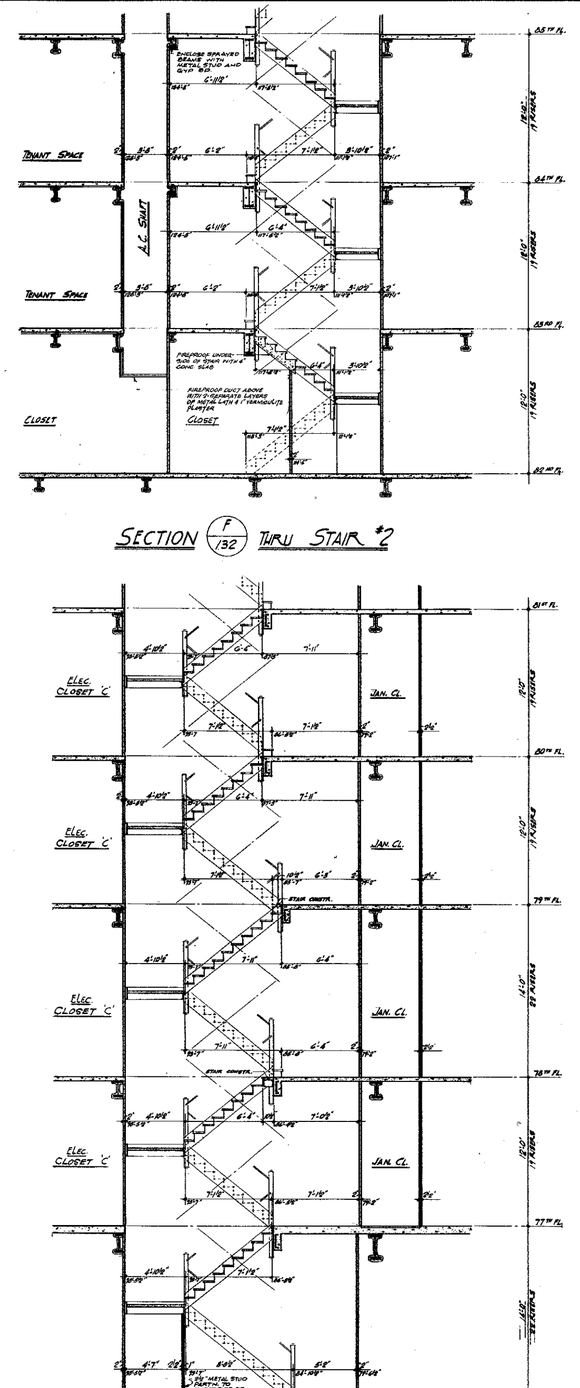


SECTION (D/132) THRU STAIR #2



SECTION (E/132) THRU STAIR #2

SECTION (G/132) THRU STAIR #3



SECTION (F/132) THRU STAIR #2

SECTION (H/132) THRU STAIR #3

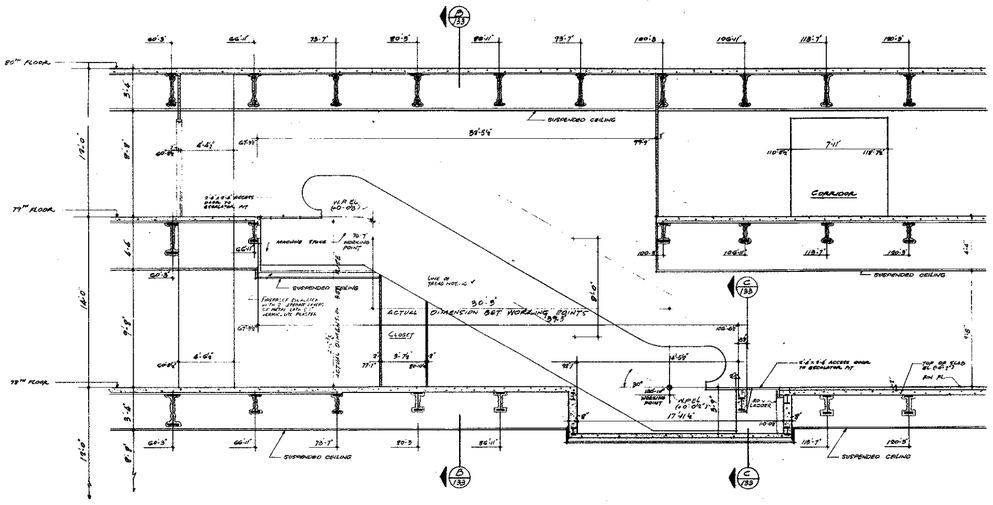
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A.1 TO A-A.4
2. ALL ELEVATIONS GIVEN THUS (+210'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWG. #A-M-304 AND A-M-306
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. CANTILEVER REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL ("A" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS & SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAILS.
6. FOR TYPICAL JOINT ON DETAILS SEE DRAWINGS A-A.1-006 TO A-A.1-012.

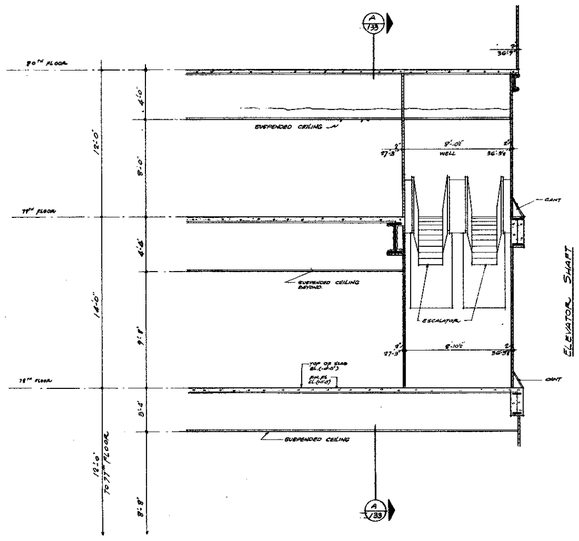
BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY



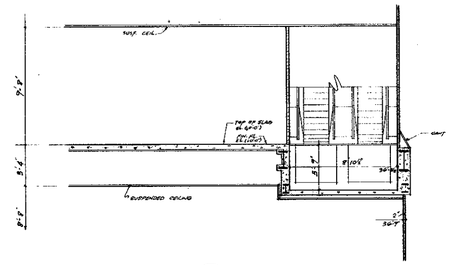
SECTION (A/133) THRU ESCALATOR B-9 & B-10



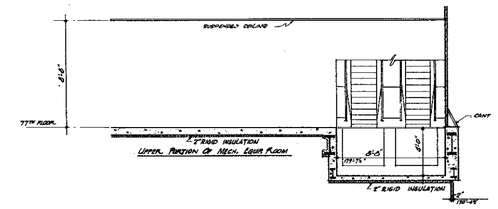
SECTION (B/133)

NOTES:

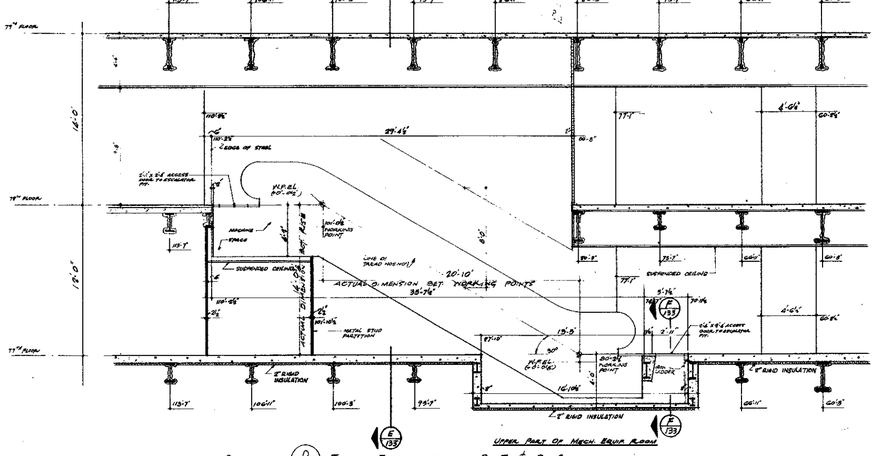
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWING 4
2. ALL ELEVATIONS GIVEN ARE (TOP OF) ARE IN RELATION TO FINISHED FLOOR.
3. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERING DRAWINGS.
4. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (00-0") UNLESS OTHERWISE SHOWN OR NOTED.
5. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG. A-AB-155
7. GROUTE LARGE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (13" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL SEAM TYPICAL DETAILS
8. FINAL ELEVATION, DETAILS, FINISHES AND ADDITIONAL SECTION SEE DWGS. A-AB-236 TO A-AB-239
9. FOR TYPICAL PARTITION DETAILS SEE DWG. A-AB-206 TO A-AB-212



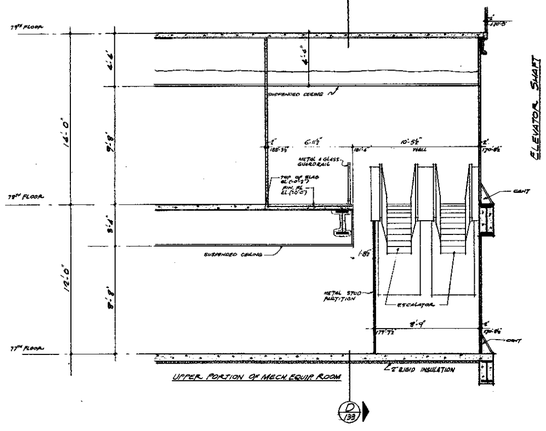
SECTION (C/133)



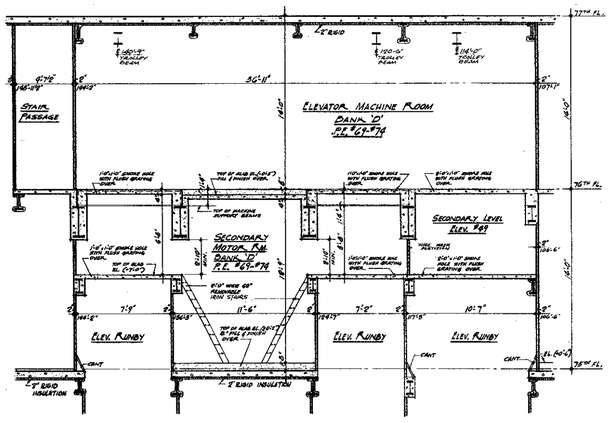
SECTION (F/133)



SECTION (D/133) THRU ESCALATORS B-7 & B-8



SECTION (E/133)



SECTION (G/133) THRU ELEVATOR MACHINE ROOM

CONTRACT BID DRAWING date 8-1-68

BULLETIN NO. DATED ARE IN THE PROCESS OF PREPARATION

NO.	DATE	BUL. NO.	BY
6	9-10-74	B-214	L.J.
5	3-19-74	B-247	L.J.
4	12-12-73	B-280	L.C.
3	6-26-71	B-118	D.T.
2	9-29-69	B-13	J.N.
1	9-23-69	B-12	J.N.
A	11-1-68	B-7	M.M.
1	8-1-68	B-6	R.F.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 017

1/4"=1'-0" 0 1 2 3 4' 8' 12

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

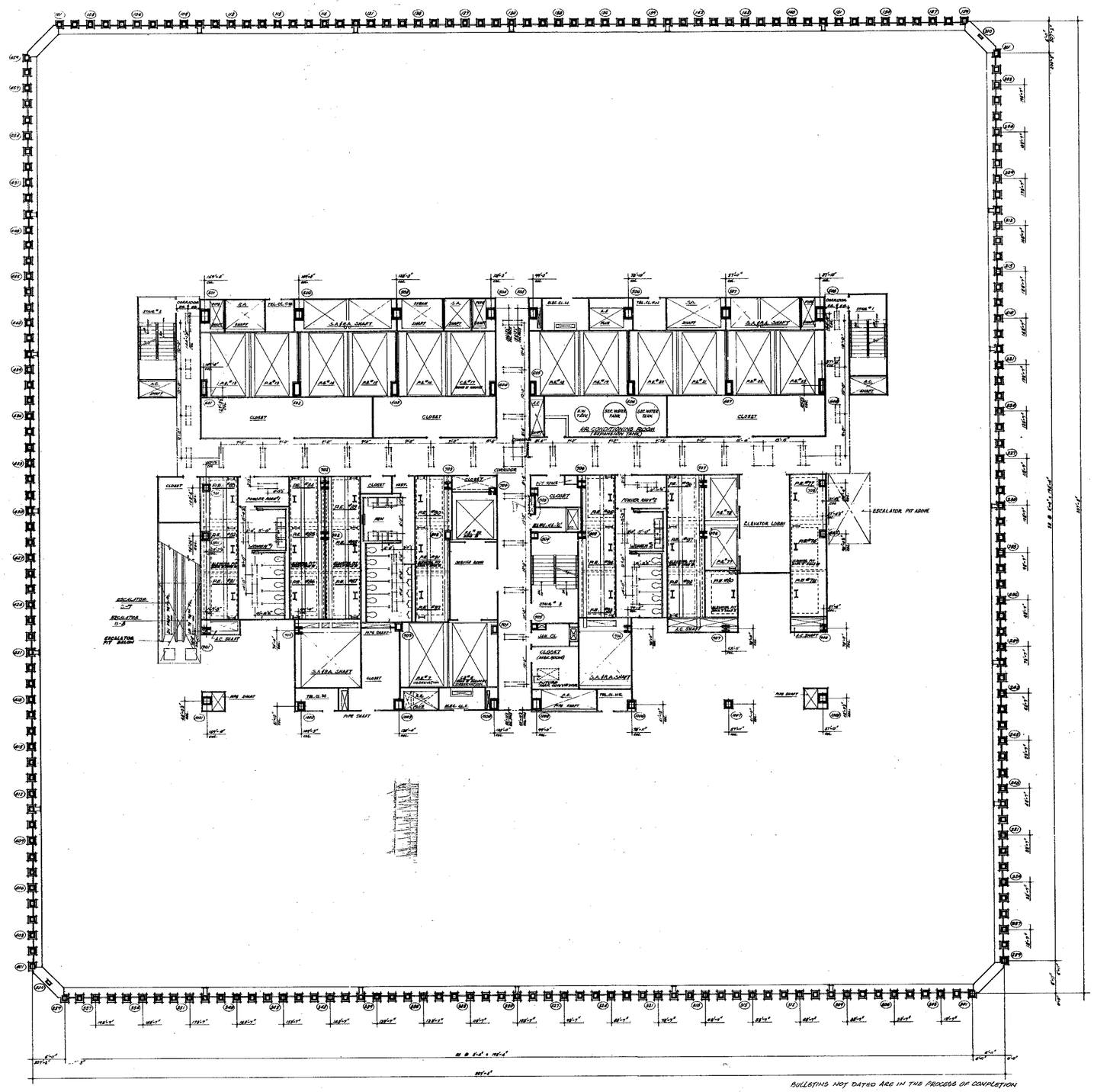
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR MACHINE ROOM & ESCALTOR SECTIONS
ELEVATORS #61-74 & #89
ESCALATORS B-7, B-8, B-9, B-10

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER			A·B·133


ESCALATOR PIT BELOW
ESCALATOR U-3
ESCALATOR U-2
ESCALATOR PIT BELOW
ESCALATOR PIT ABOVE
ELEVATOR LOBBY
A.C. SHAFT
S.A.F.&A. SHAFT
CLOSET
AIR CONDITIONING ROOM
(EXPANSION SPACE)
SEC. WATER TANK
SEC. WATER TANK
POWER ROOM
MEN
WOMEN
JAN. CL.
CLOSET (MAC. ROOM)
ELEV. EQUIPMENT
PIPE SHAFT
MEC. EQ.
ELEC. EQ.
TEL. EQ.
SWITCH GEAR
CROSSOVER
STAIR #1
STAIR #2
STAIR #3
STAIR #4
STAIR #5
STAIR #6
STAIR #7
STAIR #8
STAIR #9
STAIR #10
STAIR #11
STAIR #12
STAIR #13
STAIR #14
STAIR #15
STAIR #16
STAIR #17
STAIR #18
STAIR #19
STAIR #20
STAIR

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-A-1 TO A-A-8.
2. FOR CONCRETE @ SCALE FLOOR PLAN SEE DWG. NO. A-B-175A
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-AD-304 AND A-AD-308.
6. ALL TRENCH HEADERS TO BE FILLED/LOADED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIRE-PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & CLADDING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE LAYOUTS. SEE TYPICAL TOILET DETAILS DRAWING A-AD-304.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS "CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING OR PARTITIONS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO ENSURE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - -
11. CAISSONS ARE REQUIRED ON ALL OUTSIDE PROJECTIONS OVER 20 INCHES (1'-8") IN DIMENSION, IN SENSOR SHAFTS AND SHALL BE MINIMUM 18" FROM WINDOWS. SEE TYPICAL DETAILS.
12. FOR FIRE PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AD-306 TO A-AD-312.

COLUMN DETAILS

SCALE 1/4"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	G-1-70	B-243	L.J.
1	8-21-70	B-116	D-7
1	1-29-71	B-56	L.W.
1	1-29-71	B-85	L.W.
1	11-26-70	B-72	L.W.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	5-22-70	D-48	A.M.
1	9-29-69	B-81	L.W.
1	9-29-69	B-85	L.W.
1	9-29-69	B-12	D.G.
1	9-29-69	B-115	D.G.
1	9-29-69	B-105	D.G.
1	9-29-69	B-113	D.G.
1	11-1-68	B-1	M.M.
1	8-1-68	B-2	R.T.R.
1	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT PROFESSIONAL ENGINEER NO. 27,... STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

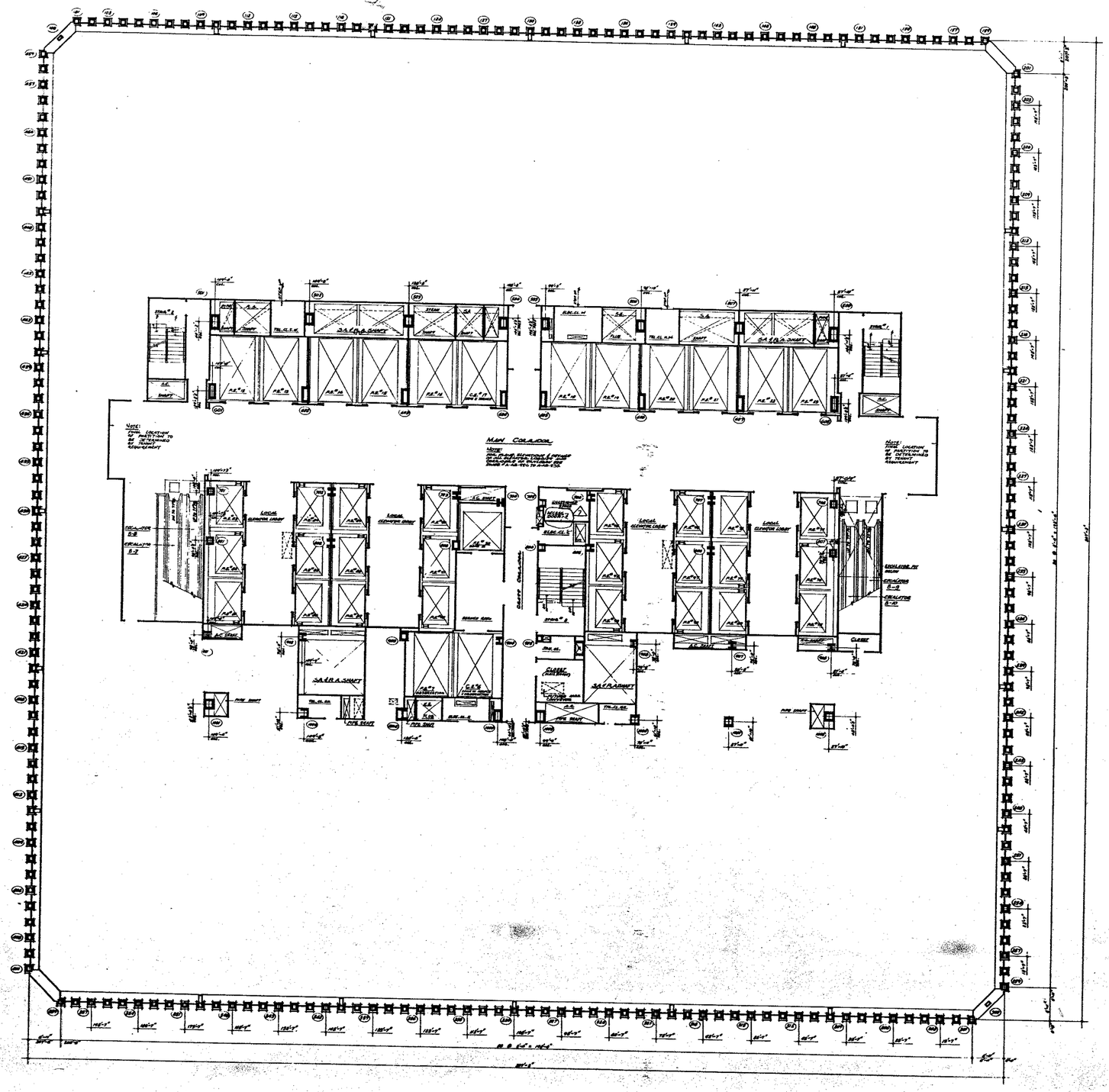
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3'-4' 8' 12'

TITLE: 77TH FLOOR CORE PLAN
LOWER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-135		


MAIN CORRIDOR
NOTE: FINAL LOCATION OF PARTITIONS TO BE DETERMINED BY TENANT ARRANGEMENT
LOCAL ELEVATOR LOBBY
SKY LOBBY
SKY CORRIDOR
ESCALATOR E-2
ESCALATOR E-3
ESCALATOR E-4
ESCALATOR E-5
ESCALATOR E-6
ESCALATOR E-7
ESCALATOR E-8
ESCALATOR E-9
ESCALATOR E-10
ESCALATOR E-11
ESCALATOR E-12
SAFE & SHAFT
CLOSET
TEL. CLS'T.
TEL. CL'S'T.
TEL. CL.S.H.
TEL. CL.S.M.
TEL. CL.S.L.
TEL. CL.S.E.
TEL. CL.S.K.
TEL. CL.S.J.
TEL. CL.S.G.
TEL. CL.S.F.
TEL. CL.S.D.
TEL. CL.S.C.
TEL. CL.S.B.
TEL. CL.S.A.
TEL. CL.S.
TEL. CL.
SHAFT
TUB
S.S.
S.C.
S.A.
CLOSET
CLEANING CLOSET
ELEC. CL.S.
ELEC. CL.S.H.
ELEC. CL.S.G.
ELEC. CL.S.F.
ELEC. CL.S.E.
ELEC. CL.S.D.
ELEC. CL.S.C.
ELEC. CL.S.B.
ELEC. CL.S.A.
ELEC. CL.S.
ELEC. CL.
FIRE SHAFT
FIRE STAIR
FIRE STAIR #1
FIRE STAIR #2
FIRE STAIR #3
FIRE STAIR #4
FIRE STAIR #5
FIRE STAIR #6
FIRE STAIR #7
FIRE STAIR #8
FIRE STAIR #9
FIRE STAIR #10
FIRE STAIR #11
FIRE STAIR #12
FIRE STAIR #13
FIRE STAIR

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS SHOW SCHEDULES DOOR SCHEDULES AND SUMMARY OF DRAWINGS SEE DRAWINGS #A-0.1 TO A-0.9
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-1.8/136
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR, DETAILS SEE DWGS #A-1.44 AND A-1.47/.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE (SHOP) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOUND DEADENING AT ALL TRAY AND MONUMENT TOILET GWB PARTITIONS OVER EACH LAVATORY. SEE TYPICAL TOILET DETAILS FOR SIZE AND EXTENT AND LOCATION.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED OUT SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL SLABS AND SOFFITS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF PULL DOWN DOOR.
10. CUNTE SEE REVISED ON ALL BEAM PROJECTIONS OVER 12" MINIMUM (7"ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND TAKE BE MINIMUM 12" FROM HORIZONTAL FACE OF BEAM

BULLETINS NOT DATED ARE IN THE PROJECT AT LAST.

CONTRACT	BID	DRAWING date 5-1-68

REVISIONS				REVISIONS			
NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				4	11-24-70	B-85	LJ
				3	11-24-70	B-78	LJ
				2	11-24-70	B-78	LJ
				1	5-27-70	B-69	AM
				A	9-29-69	B-13	JC
10	8-8-69	B-135	LA	A	7-29-69	B-9	VJ
9	5-8-69	B-127	LJ	A	9-29-68	B-13	-
8	3-24-69	B-118	DT	A	11-1-68	B-7	KK
7	1-29-69	B-104	LJ	A	8-1-68	B-6	RTH
6	1-29-69	B-85	LJ	A	6-1-68	B-1	DG

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"-1'-0" 0 1' 2' 4' 8' 16'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

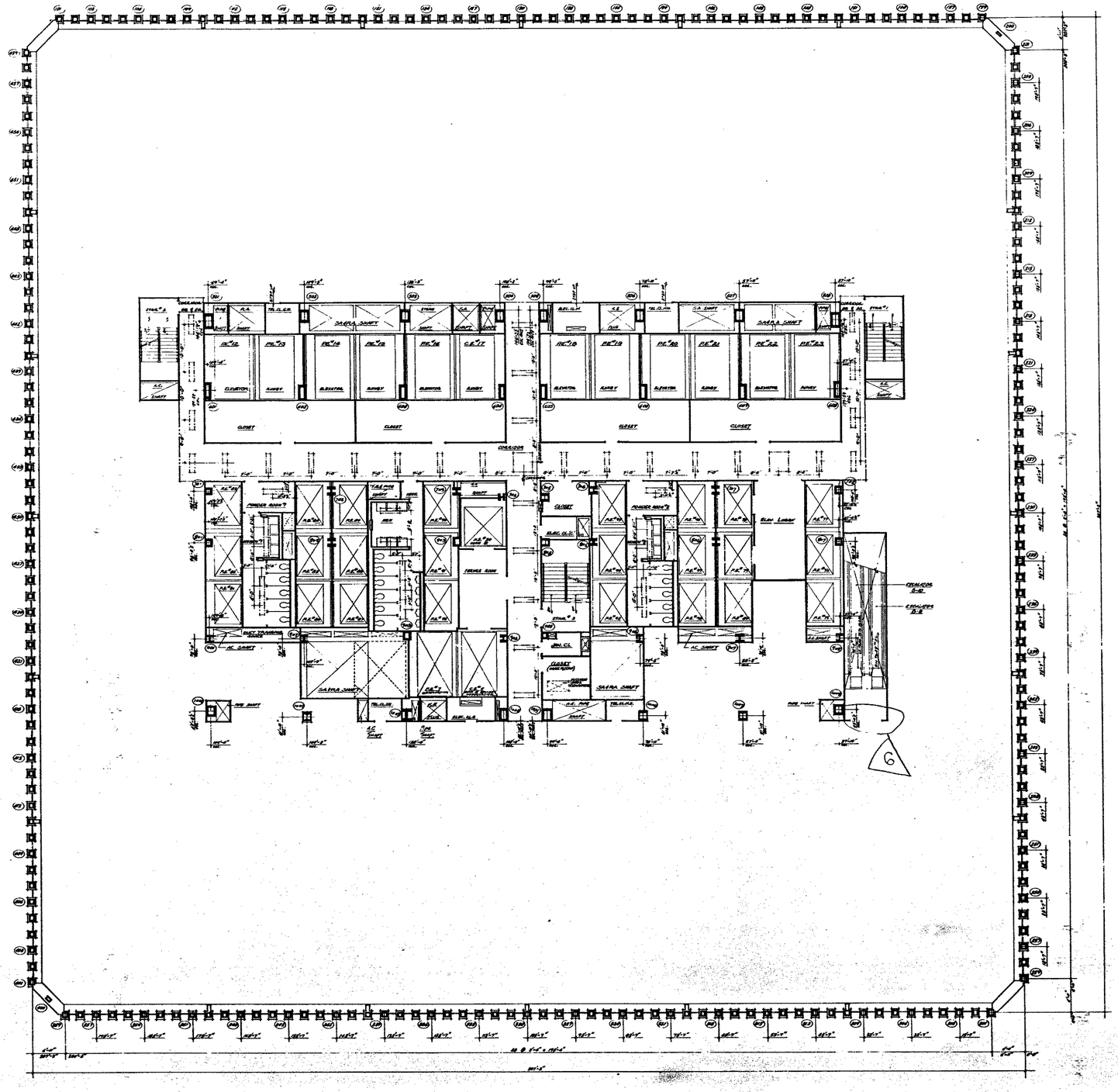
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING, UTILITIES, FOUNDATIONS

TITLE: 78TH FLOOR CORE PLAN
SKYLOBBY

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-137		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS IN DRAWINGS SEE DRAWINGS A-1.1 TO A-1.6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE SEE "A" SCALE CORE DRAWINGS A-1.101
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ELEVATOR ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRAW-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE SHOWN & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET OUTLET LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (TOFS) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORWAY.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF ISSUANCE IN CONTRACT '80' DRAWING date 5-1-68

NO.	DATE	SUB. NO.	BY
REVISIONS			
△	10-17-70	B-200	LC
△	8-24-71	B-148	DT
△	1-28-71	B-84	LJ
△	11-19-69	B-99	LL
△	7-29-69	B-12	LC
△	11-1-68	B-7	BLK

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

1/8"=1'-0" 0" 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

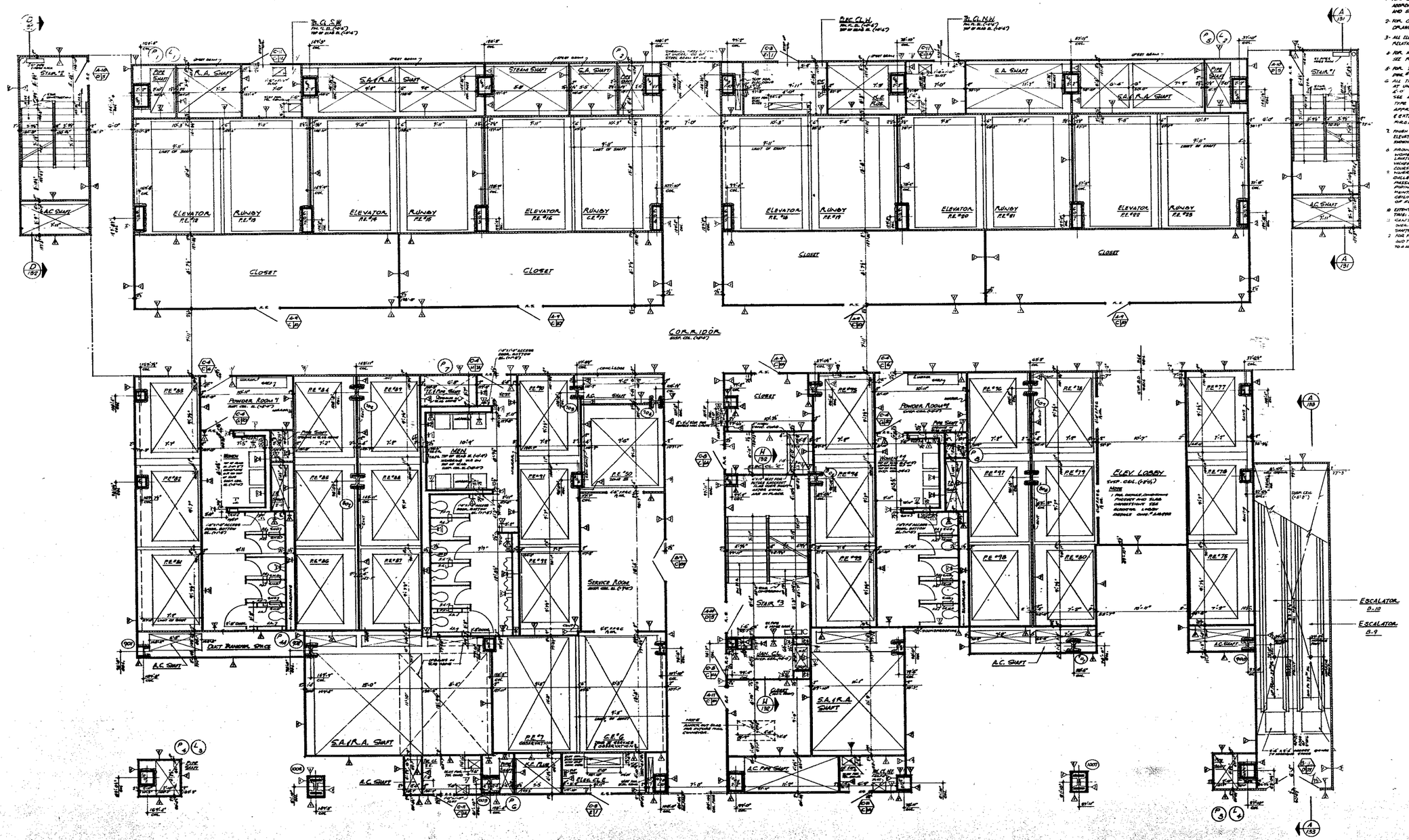
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 79TH FLOOR PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·138		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE A-0.1 TO A-0.9
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-138
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIRS DETAILS SEE DWG. # A-2.1-104 AND A-2.1-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH 3 SIDES OF THE DUCTWORK SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND MISC. ZINC HEADER & CONTRACTOR APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (12'10") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN TOILETS, ONE DISPENSER AT EACH LAVATORY, ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH T.I.E. DRAWING. SEE TYPICAL TOILET DETAILS DWG. A-2.2-204
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND SECTIONAL SHALL BE MAINTAINED AT 9'-6". PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: [illegible]
11. CAISSONS ARE REQUIRED AT ALL PLAN PROJECTIONS OVER 3½" WARNING TO ALL CONTRACTORS ENGAGED IN EXCAVATION SHAFTS AND SHALL BE MINIMUM 15" FROM ADJACENT CAISSONS
12. FOR FIREPROOFING OF STEEL STRUCTURAL MEMBERS AND TYPICAL PARTITION DETAILS SEE DWG # A-2.1-204 TO # A-2.1-213

NOTE
1. PAL BONDED TERRAZZO FLOORING AND SLAB DEPRESSION FOR ELEVATOR LANDING DETAILS ON DWG # A-2.1-204

BULLETINS NOT DATED ARE IN THE PROGRESS OF CONTRACT.

CONTRACT	BID	DRAWING date 5-1-68	
		11-26-70	B-75
		5-27-70	B-68
		9-29-69	B-61
		9-29-69	B-60
		9-29-69	B-59
5-6-70	B-67	9-29-69	B-58
12-15-70	B-69	9-29-69	B-57
6-24-71	B-118	9-29-69	B-56
6-24-71	B-119	11-1-68	B-7
1-29-71	B-104	8-1-68	B-6

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

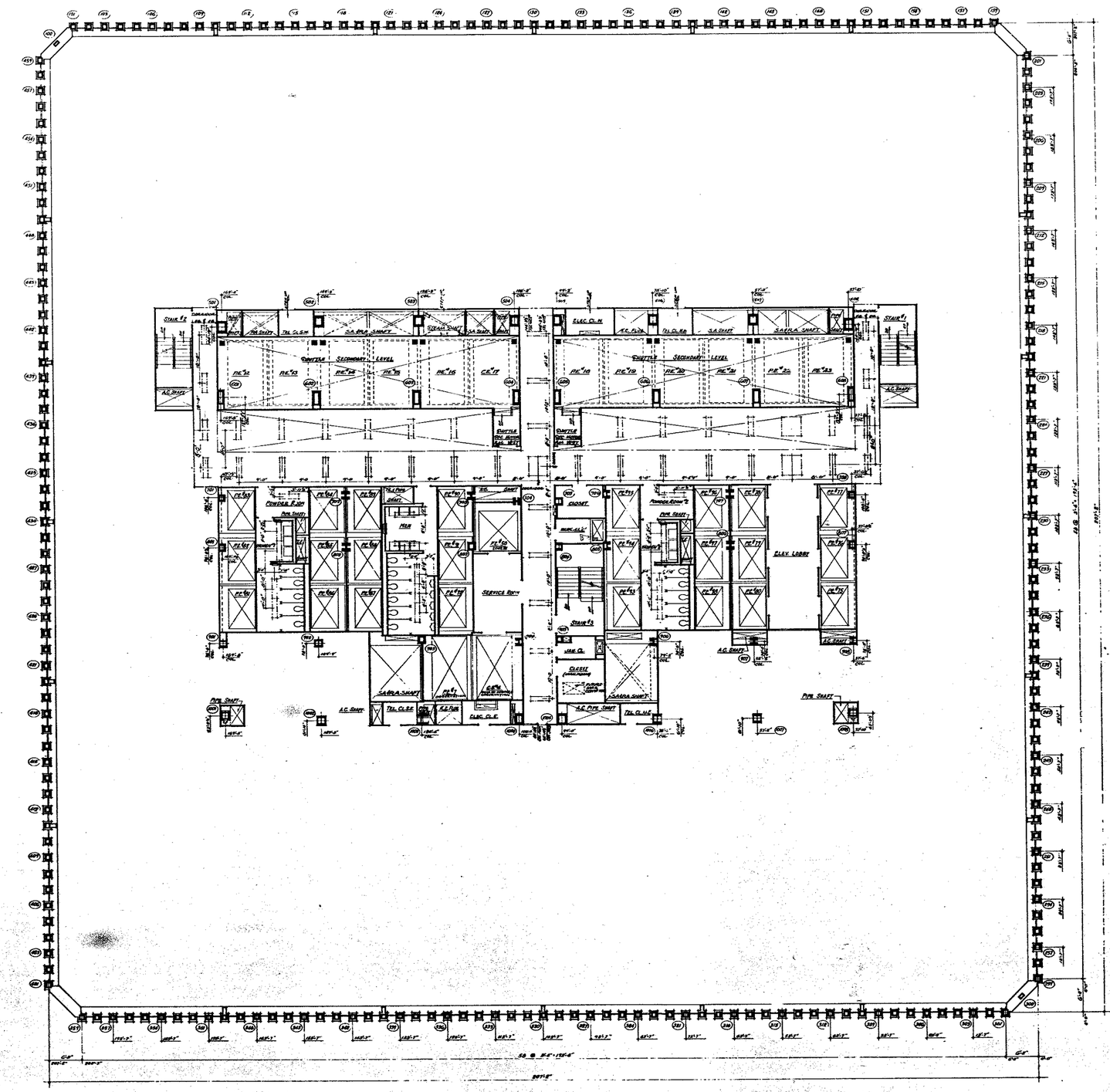
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 79TH FLOOR CORE PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	7-31-67
SCALE	1/8"=1'-0"	DATE	
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·139		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A0-1 TO A0-9.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1" SCALE CORE DRAWING # A-C-141
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIRE FIRESPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LUMINAIRE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-24-71	B-88	L.L.
2	9-29-69	B-85	L.L.
3	6-24-69	B-82	D.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

1/8"=1'-0" 0 4 8 16 24

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 80TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-12-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·140		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DWGS. SEE DWGS A-0.1 TO A-0.5
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING A-A-1.1 (A)
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-[illegible]
6. ALL TRENCH HEADERS TO BE FIELD PROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEER'S & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (30'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN'S AND WOMEN'S TOILETS, AND TOWELING AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE FOLLOWING - SEE TYPICAL TOILET DETAILS DWG. A-A-1.2 (B).
9. ALL PARTITIONS TO BE FURRED CEILINGS ARE CALLED FOR SUCH AS W. CLOSETS, STAIR ASSEMBLIES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FURRED CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS [illegible]
11. KANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (11" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL DUCTWORK DETAILS SEE DRAWINGS A-A.M. 1.1 TO A-A.M. 1.5

COLUMN DETAILS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING Arch S-1-65b

NO.	DATE	BUL. NO.	BY
6	6-26-67	B-16	L.J.
5	1-26-67	B-14	L.J.
4	11-22-66	B-12	L.J.
3	9-29-66	B-9	L.J.
2	9-29-66	B-8	L.J.
1	9-29-66	B-7	J.G.
A	9-29-66	B-6	D.G.
A	9-29-66	B-5	D.G.
A	9-27-66	B-3	D.G.
A	2-1-66	B-2	S.T.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

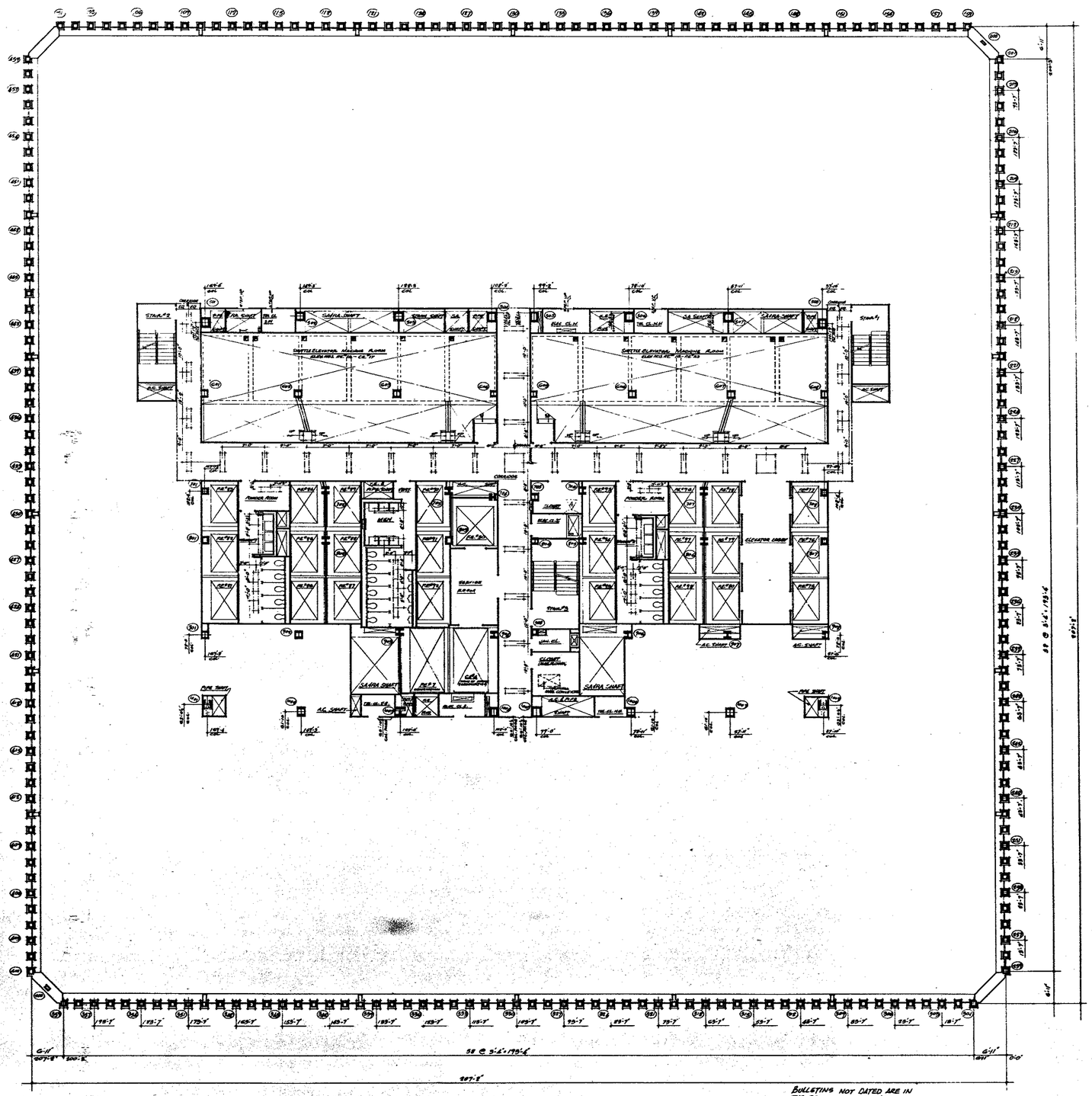
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 30TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-141		



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWING SEE DRAWINGS A-B-1 TO A-B-9.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWING A-B-143
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEER'S & CONTRACTOR'S ATTENTION SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BD DRAWING date 3-1-68

NO.	DATE	SUB. NO.	BY
1	1-29-71	B-84	L.I.
2	7-29-69	B-95	L.I.
3	7-17-69	B-15	J.M.
4	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 81ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	⅛" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·142		

1/8"=1'-0" 0 4' 8' 16' 24

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DWG. SEE DWGS # A-0-1 TO A-0-9.
2. FOR COMPLETE 81ST FLOOR PLANS SEE DWG. # A-5-14E.
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE SUBCONTRACT DWGS.
5. FOR TYPICAL STAIR, DETAILS SEE DWGS # A-4-104 AND A-4-105.
6. ALL TRENCH HEADERS TO BE PREFABRICATED AT WORKSHOP OF SLAB FOR A WIDTH OF 8'-0" WITH A SPALLED TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (-0.07) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. DYE DISPENSERS AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTRACTOR. SEE TYPICAL TOILET DETAILS DWG. A-4-104. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, GIVE AS IN CLOSET, STAIR, PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHTING UNITS.
9. EXTENT OF PUBLIC CORRIDOR, IS INDICATED THUS:
10. CARE ARE REQUIRED IN ALL SEAM PROJECTIONS OVER, 3'0" NOMINAL (3'-0" ACTUAL) CLEARANCE IN ELEVATOR SHAFTS AND STAIR, BE MINIMUM 72" FROM HORIZONTAL TEE TYPICAL. 3000 LC
11. FOOL PROOFING OF FACE STUDS & COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS # A-4-5 TO A-4-10 & A-5-1

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date - 3-1-68

NO.	DATE	SUB. NO.	BY
1	11-24-70	B-76	L.J.
2	6-29-69	B-61	L.L.
3	9-29-69	B-99	L.L.
4	9-29-69	B-12	L.L.
5	9-29-69	B-12	L.L.
6	9-29-69	B-13	L.L.
7	9-29-69	B-13	L.L.
8	1-1-68	B-7	K.E.
9	8-1-68	B-8	K.T.
10	8-1-68	B-1	D.G.
11	8-24-71	B-116	L.L.
12	1-29-71	B-84	L.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

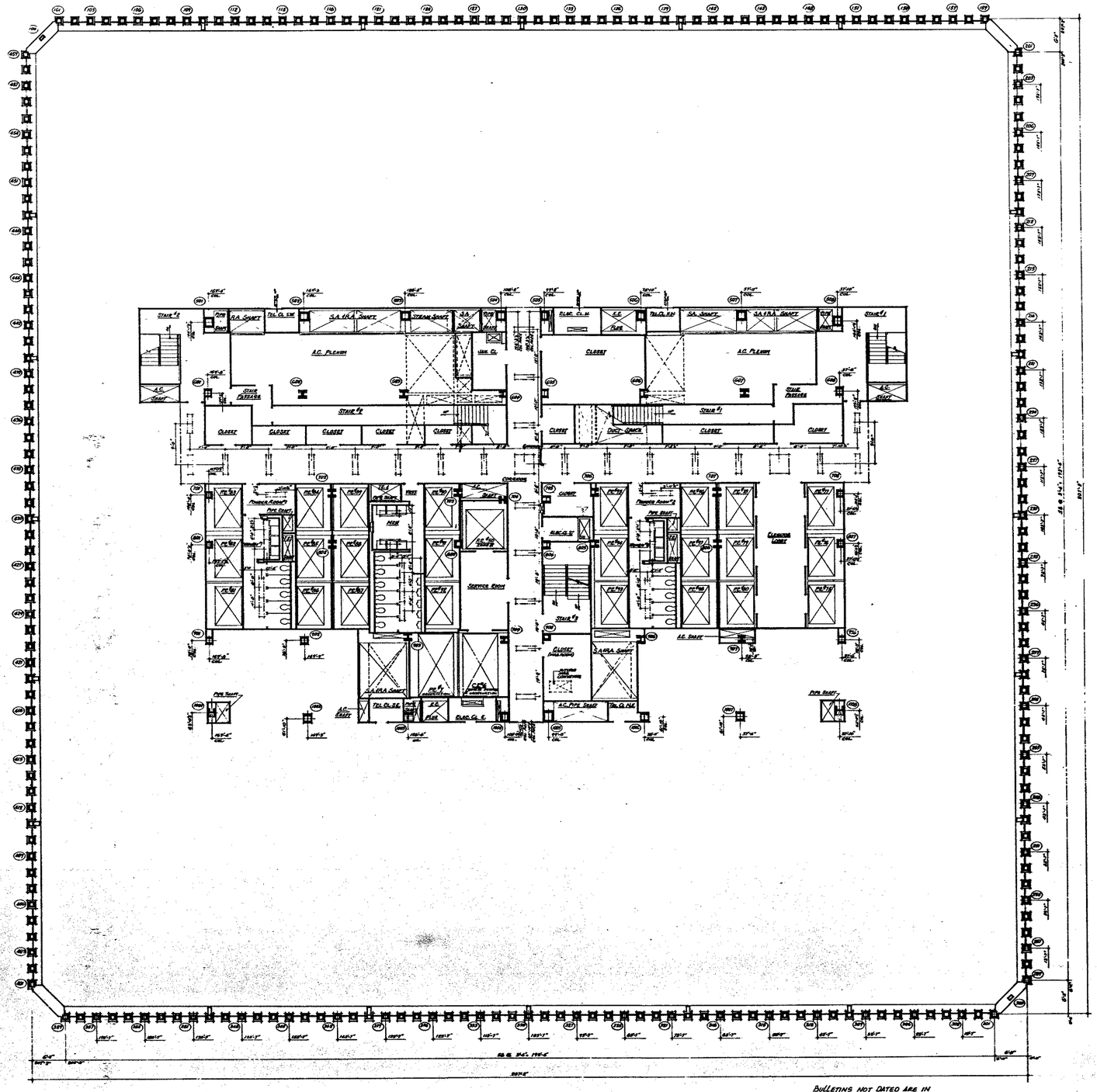
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 81ST FLOOR CORE PLAN

DRAWN	CHECKED
SCALE 1/8" = 1'-0"	DATE 7-31-07
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-B-143

1/8"=1'-0" 0" 1' 2'-3" 4' 8' 12'


A.C. PLENUM
CLOSET
STAIR #2
STAIR #1
SERVICE ROOM
CORRIDOR
ELEVATOR LOBBY
STAIR #3
A.C. PIPE SHAFT
TEL. CL. 136
TEL. CL. 138
ELEC. CL. H
TEL. CL. 140
TEL. CL. 142
TEL. CL. 144
TEL. CL. 146
TEL. CL. E
ELEV. CL. E
DUCT SPACE
PIPE SHAFT
A.C. SHAFT
S.A. I.R.A. SHAFT
S.A. I.R.A. SPACE
STEAM SHAFT
S.A. SHAFT
E.E. SHAFT
E.E. PLATE
E.E. TRANSFORMER
E.E. VAULT
A.C. VAULT
A.C. PLATE
A.C. PIPE SHAFT
A.C. PIPE SPACE
STAIR PRESSURE
STAIR #4
STAIR #5
STAIR #6
STAIR #7
STAIR #8
POWER ROOM #1
POWER ROOM #2
TEL. CL. 132
TEL. CL. 134
TEL. CL. 148
TEL. CL. 150
TEL. CL. 152
TEL. CL. 154
TEL. CL. 156
TEL. CL. 158
TEL. CL. 160
TEL. CL. 162
TEL. CL. 164
TEL. CL. 166
TEL. CL. 168
TEL. CL. 170
TEL. CL. 172
TEL. CL.

NORTH

NOTES

A. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A0-1 TO A-A0-04.

B. FOR CONTRACTS & SCALE, FLOOR PLAN SEE DWG. # A-B-146

C. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.

D. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

E. FOR TYPICAL STAIR, OPTIONALS SEE DWGS #A-A0-504 AND A-A0-506.

F. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIRE PROOFING

G. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.

H. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSE VALVES TO BE LOCATED IN RECESSES WITH TILE COVERING. SEE TYPICAL TOILET DETAILS DRAWING "A-A8-104.

I. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR ENCLOSURES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO ALLOW FOR PROPER CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.

J. EXTENT OF PUBLIC CORRIDOR, IS INDICATED THUS: .....

1. JOINTS ARE TO BE LOCATED IN ALL BEAM WALLS AT 25'-0" MAXIMUM, IN WALLS AT MAXIMUM DIMENSION IN BETWEEN OPENINGS AND SHALL BE MINIMUM 10'-0" FROM NEAREST OPENING. SEE TYPICAL DETAILS FOR EXPANSION AND CONTROL JOINTS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-B3-306 TO A-B3-312

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT .80 DRAWING Date 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-24-71	B-64	L.J.
2	11-24-70	B-78	L.J.
3	5-22-70	B-65	L.J.
4	7-29-69	B-81	L.J.
5	7-29-69	B-68	L.J.
6	7-29-69	B-72	E.C.
7	7-29-69	B-69	E.C.
8	7-29-69	B-80	E.C.
9	7-29-69	B-78	E.C.
10	8-1-68	B-6	R.T.H.
11	8-26-71	B-116	D.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

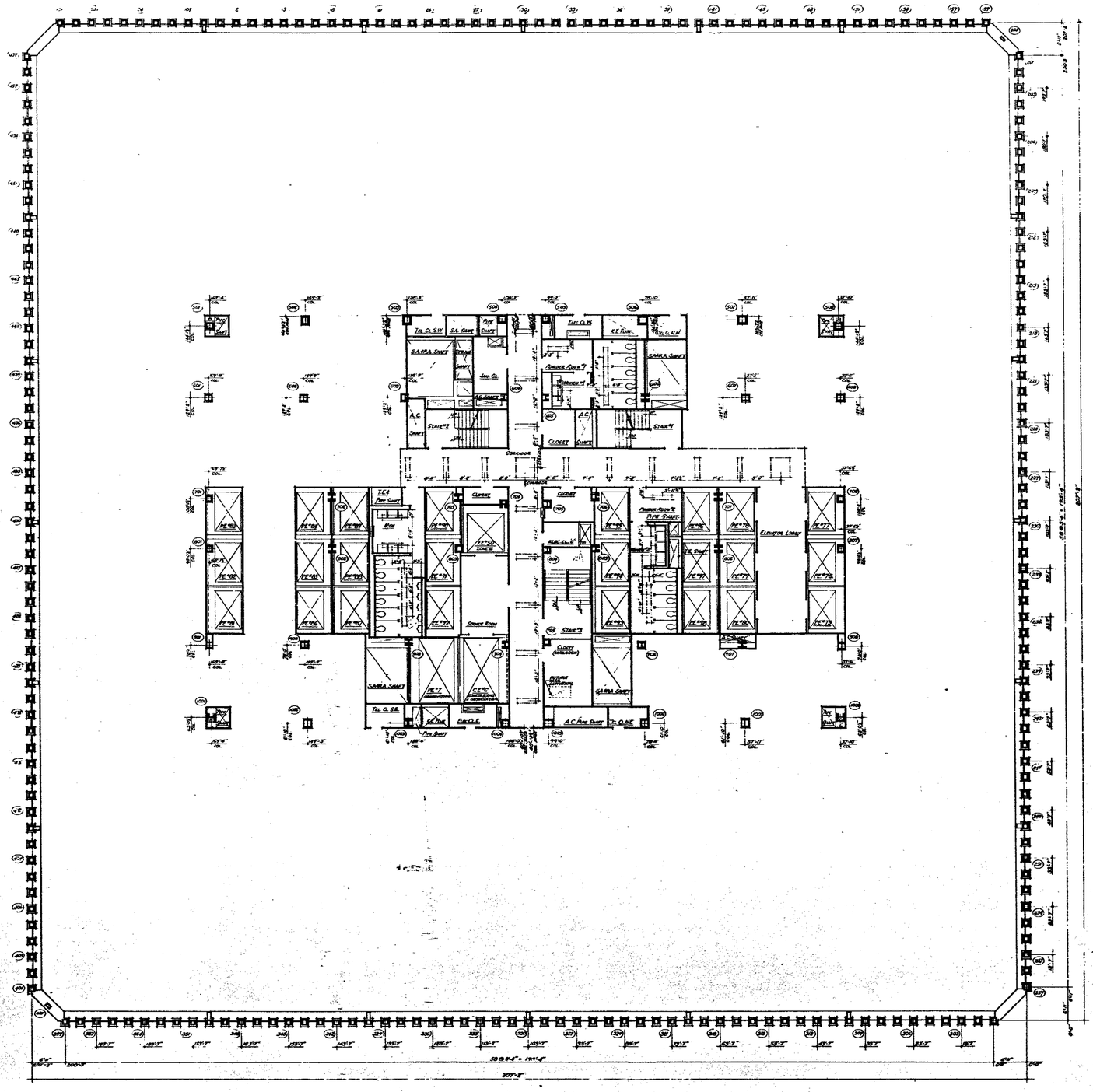
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 82ND FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-145		


NORTH
Tel. Cl. SH.
S.A.M.A. SHAFT
Elec. Cl. SH.
E.E. Turn.
Fan Room
Elevator Lobby
Corridor
Closet
Stair
Storage Room
Tel. Cl. E.E.
Elec. Cl. E.
A.C. Pipe Shaft
Tel. Cl. W.E.
Pipe Shaft
Toilet
Janitor
Elec. Cl. W.
A.C. Shaft
Stair 2
Stair 3
Stair 4
Stair 5
Stair 6
Stair 7
Stair 8
Stair 9
Stair 10
Stair 11
Stair 12
Stair 13
Stair 14
Stair 15
Stair 16
Stair 17
Stair 18
Stair 19
Stair 20
Stair 21
Stair

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.01 TO A-0.04.
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING A-B-146
3. ALL ELEVATIONS GIVEN THUS (00'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-704 AND A-A-705
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'0" WITH A SPRAY-ON 1½" FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION 1 TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSERS WALKER TO BE LOCATED IN ACCORDANCE WITH TILE LOCATIONS. SEE TYPICAL TOILET DETAILS ON A-A-124.
9. WHERE NO RECESSED OUTLETS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE 6"x6"x½" - IN ALL REAL (IN-DIRECTION) OVERALL DIMENSIONS (EXCEPTING ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7½" FROM HORIZONTAL. SEE TYPICAL DETAIL.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-124 TO A-A-126

COL. "501"

COL. "502" & "507"

COL. "503"

COL. "504"

COL. "505"

COL. "506"

COLUMN DETAILS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT SEQUENCING date 8-1-68

NO.	DATE	ISSUE NO.	BY
A	12-9-70	B-227	L.L.
A	6-28-71	B-318	L.L.

REVISIONS

NO.	DATE	ISSUE NO.	BY
A	1-20-71	B-264	L.L.
A	1-29-71	B-266	L.L.
A	11-24-70	B-172	L.L.
A	9-28-70	B-81	L.L.
A	9-28-70	B-88	L.L.
A	8-26-69	B-19	DG
A	8-26-69	P-16	DG
A	8-26-69	P-108	DG
A	7-24-69	P-15	DG
A	8-1-68	B-0	R.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

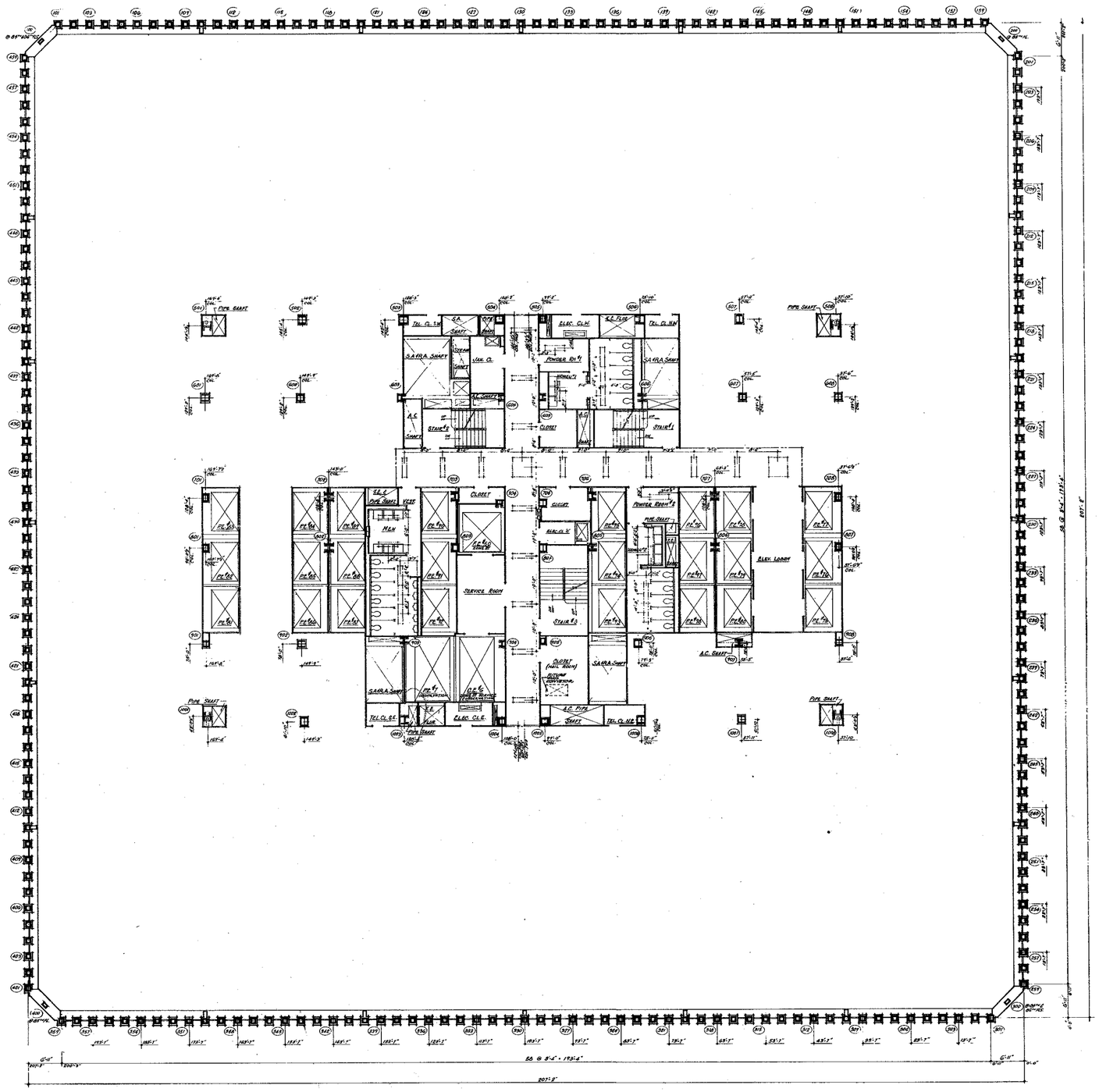
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 83rd FLOOR CORE PLAN

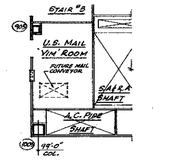
DRAWN		CHECKED	
SCALE	⅛"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-147		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-10
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWINGS
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EACH BY IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS, TO ENSURE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ _____



PART PLAN AT 86TH FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
3	8-26-71	B-111	L.L.
2	1-24-71	B-84	L.L.
1	9-24-69	B-88	L.L.
1	7-29-69	B-12	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NOT VALID UNLESS SEAL IS IN THIS SPACE

1/8"=1'-0" 0 4 8 16 24

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

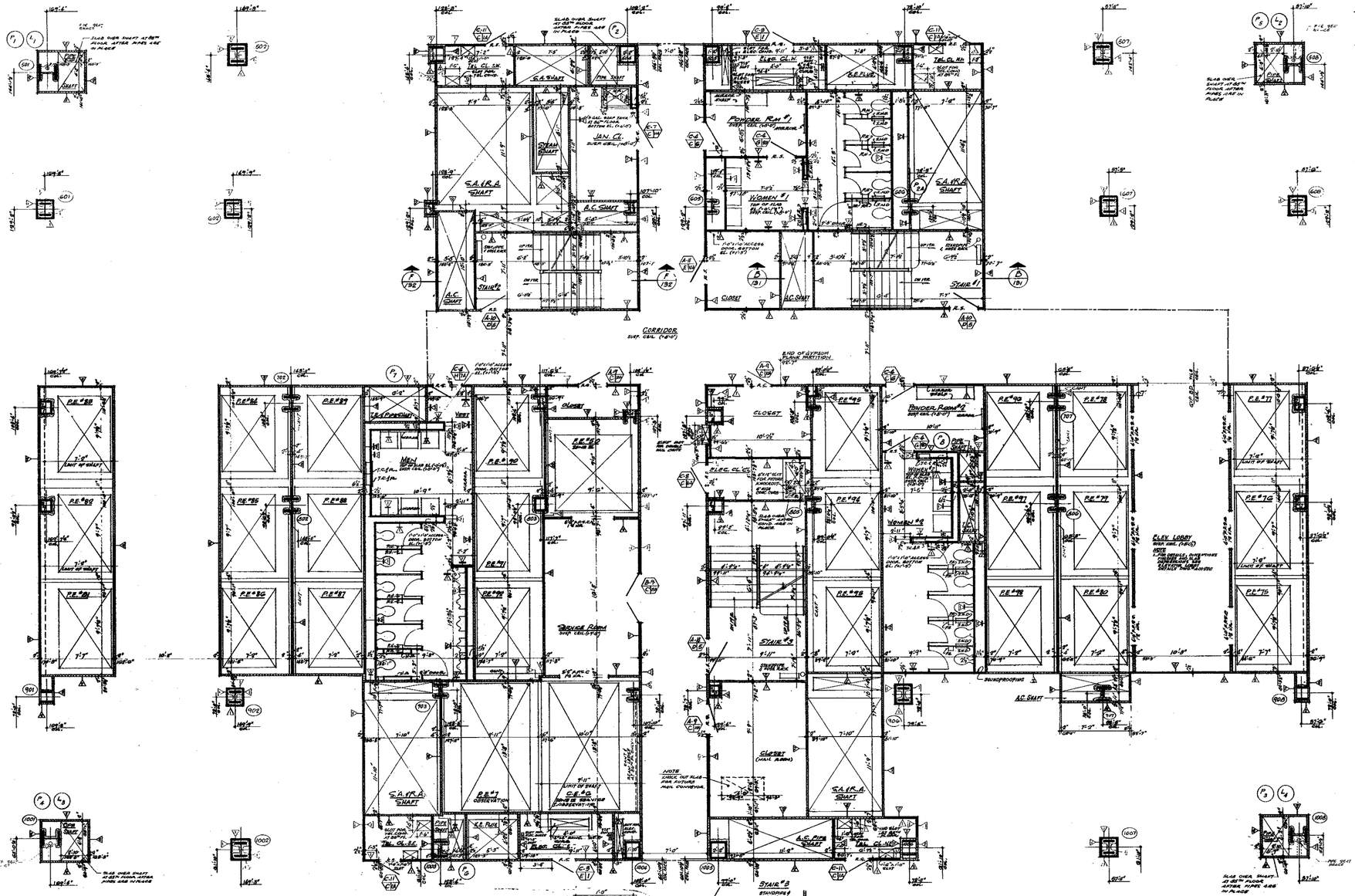
TITLE: 84TH TO 86TH FLOOR PLAN

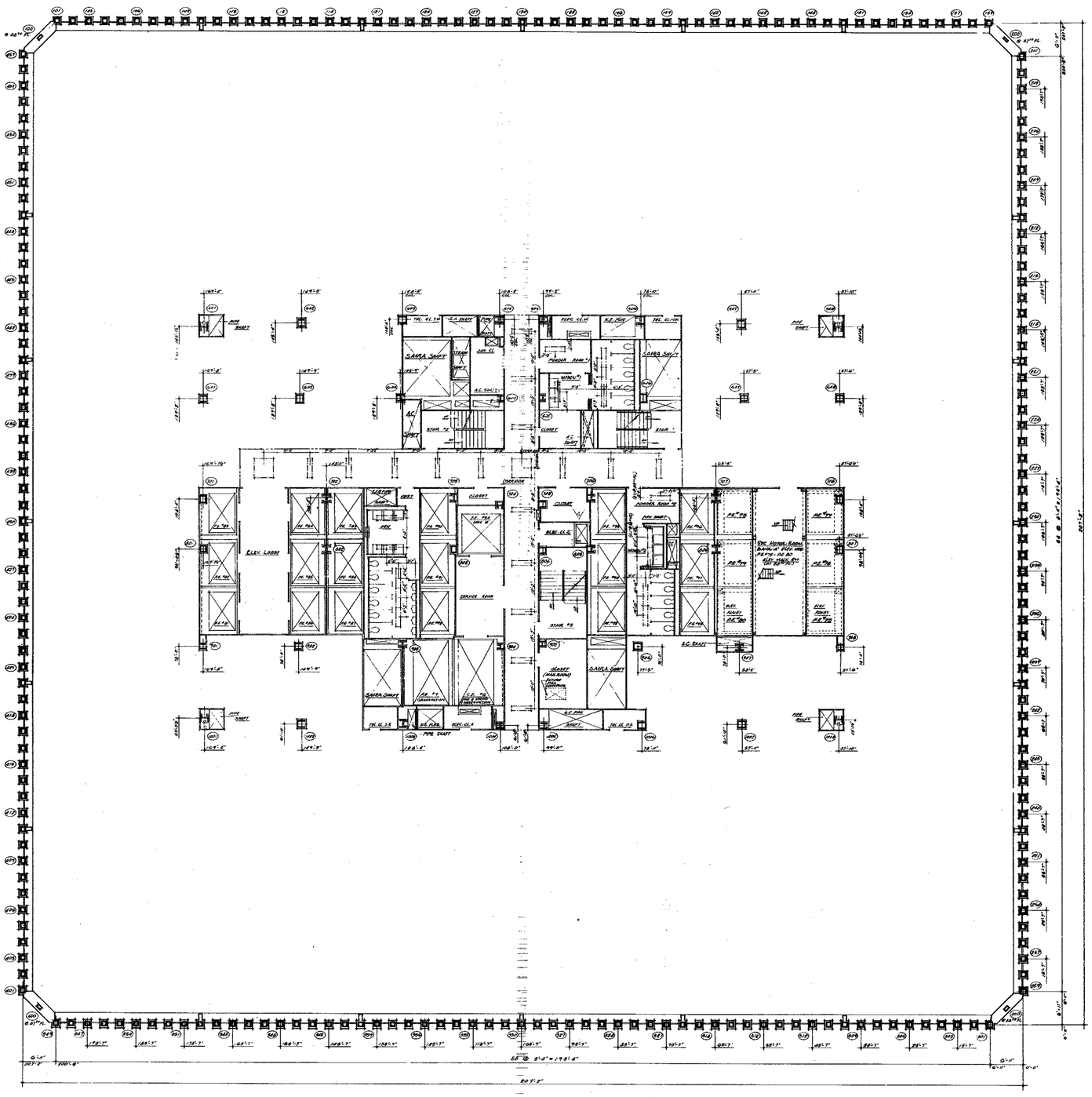
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·148		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE 6" CELLS FLOOR PLAN SEE DRAWING A-B-146
3. ALL ELEVATIONS GIVEN THUS (80'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-A0.04 AND A-A0.201.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 40" WITH A BRAID-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (80'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE CORD DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO CORD DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH COVERING TILE. SEE TYPICAL TOILET DETAILS DWG. A-A0.04.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM SURFACES OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____
11. CANTS ARE SHOWN ON ALL BEAM ELEVATIONS OVER 12" NOMINAL (12" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND PARTITION DETAILS SEE DWGS A-A0.204 TO A-A0.212.


CORRIDOR
SUSP. CEIL. (9'-0")
POWER RM #1
ELEC. CL. #1
WOMEN #1
MEN #1
G.A.I.R.A. SHAFT
A.C. SHAFT
STAIR #2
STAIR #1
B.C. SHAFT
JAN. CL.
STEAM SHAFT
T.E. PUB.
CLOSET
POWER RM #2
ELEC. CL. #2
WOMEN #2
MEN #2
STAIR #3
ELEV. LOBBY
SUSP. CEIL. (9'-0")
SWINGROOFING
AC SHAFT
G.A.I.R.A. SHAFT
SERVICE ROOM
SUSP. CEIL. (9'-0")
MEN
WOMEN
SERVICE ROOM
SUSP. CEIL. (9'-0")
G.A.I.R.A. SHAFT
P.E. #1 OBSERVATION
T.E. PUB.
A.C. PIPE SHAFT
STAIR #4
STAIR #3
U.S. MAIL VIM ROOM
SUSP. CEIL. (9'-0")
G.A.I.R.A. SHAFT
A.C. PIPE SHAFT
P.E. #88
P.E. #89
P.E. #90
P.E. #91
P.E. #92
P.E. #93
P.E. #94
P.E. #95
P.E. #96
P.E. #97
P.E. #98
P.E. #99
P.E. #70
P.E. #71
P.E. #72
P.E. #73
P.E. #74
P.E. #75
P.E. #76
P.E. #77
P.E. #78
P.E. #79
P.E. #80
P.E. #81
P.E. #82
P.E. #83
P.E. #84
P.E. #85
P.E. #86
P.E. #87
P.E. #1 OBSERVATION
SLAB OVER SHAFT AT 86TH FLOOR, WIRE MESH AFTER PIPES ARE IN PLACE
SLAB OVER SHAFT AT 85TH FLOOR, WIRE MESH AFTER PIPES ARE IN PLACE
SLAB OVER SHAFT AT 85TH FLOOR, WIRE MESH AFTER PIPES ARE IN PLACE
SLAB OVER SHAFT AT 86



NORTH

Notes

1. FOR GENERAL NOTES (LF) TO MATERIALS SYMBOLS ABBREVIATIONS FINISH SCHEDULES DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A.0.1 TO A.A-0.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-C.1-1.0 TO A-C.1-1.2.
3. ALL ELEVATIONS USED THUS (E 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR:
   a. WIDTH OF 4'-0" WITH A 2PCM-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR & TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (110'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE POINTED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ . _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
2	1-28-71	B-84	L.J.
3	1-28-71	B-85	L.J.
4	9-29-69	B-88	L.J.
1	9-24-69	B-12	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MINORU YAMASAKI — STATE OF NEW YORK

1/8"=1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECTS
STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — ARCHITECTS
RICHARD ROTH, ARCHITECT
MECHANICAL ENGINEERS
JAROS, BAUM & BOLLES
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 87TH & 88TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·150		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-1.1 TO A-1.3.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-1.01
3. ALL ELEVATIONS GIVEN THUS (20.0') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A.A.104 AND A.A.105.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (20'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ON DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CLOSURE. SEE TYPICAL TOILET DETAILS DRAWING # A.A.B-104.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOW AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———
    GRANITE WALL BASE AS SHOWN ON ALL BEAM PROJECTIONS, SIDES OF CORRIDOR OPENINGS, ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'0" HIGH, NOTED "B" ON TYPICAL DETAILS
11. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS # A.A.P.1.1 - P.A.1.1.02

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 3-1-68	
		1	1-20-71	B-84	L.J.
		2	11-26-71	B-78	L.J.
		3	9-29-69	A-91	L.J.
		4	9-10-69	B-88	L.J.
		5	9-29-69	B-18	D.G.
		6	9-29-69	B-15	D.G.
		7	9-29-69	B-06	D.G.
		8	9-29-69	F-15	D.G.
1	10-9-73	B-287	L.B.	1	B-6	R.T.
2	10-22-71	B-118	D.B.L.	2	G-1-68	B-1	F.G.
NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NEW YORK NO. 017

1/4" = 1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

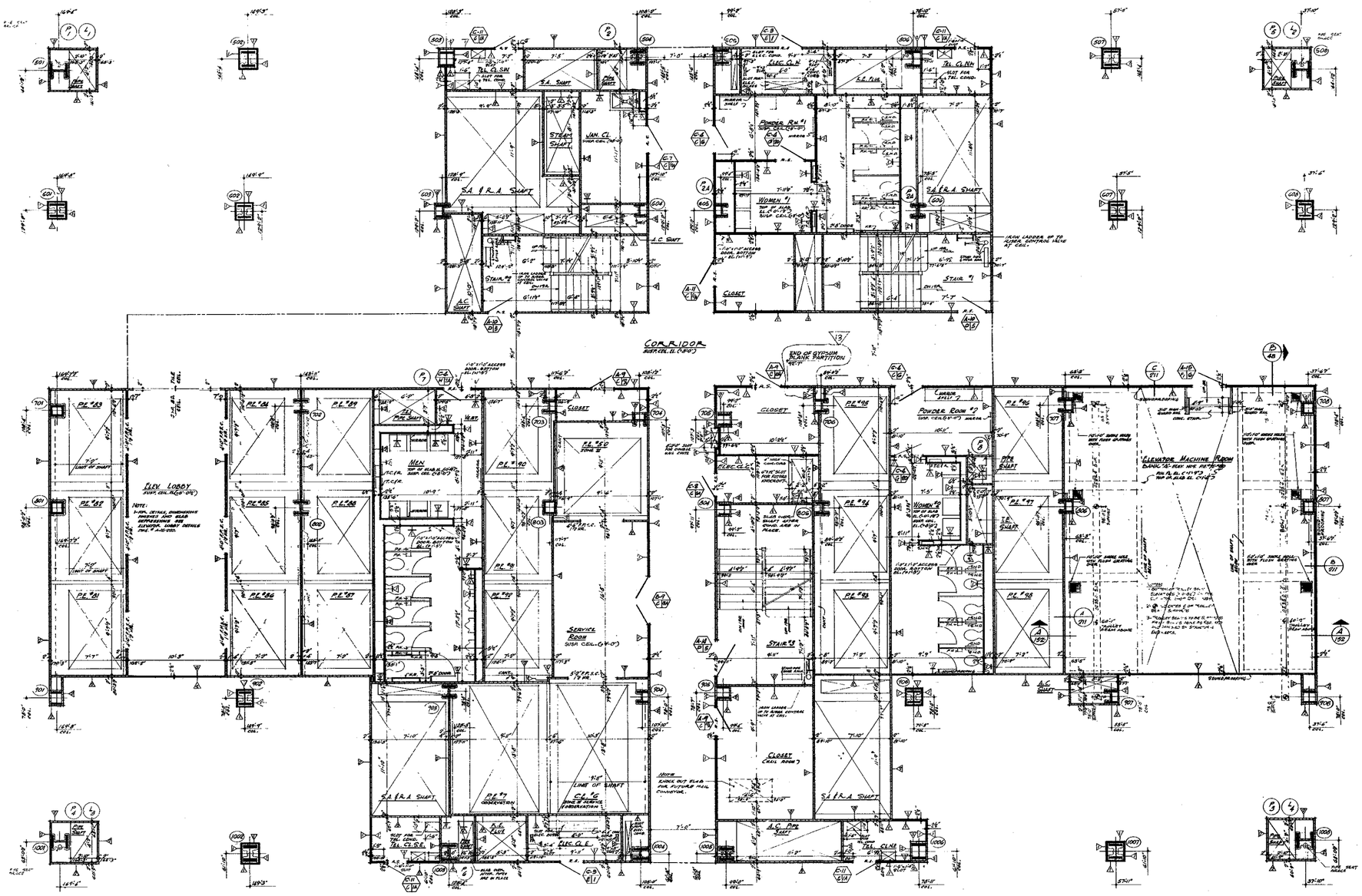
TITLE: 87TH FLOOR CORE PLAN

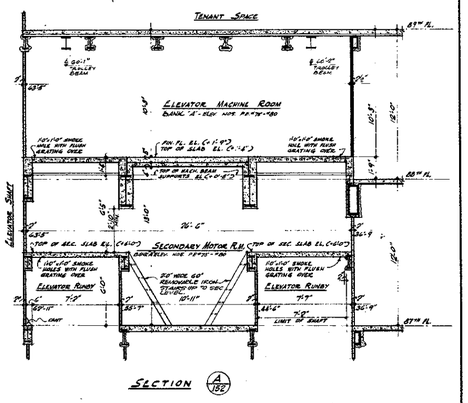
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·151		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-0.
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING A-1-5-150
3. ALL ELEVATIONS GIVEN THUS (80'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG# A-11-204 AND A-11-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (80'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS AND DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG. # A-10-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SLAB, AS IN CLOSETS, CEILING PURLINES, ETC., BOTTOM ELEVATION OF SLAB AND UNDERSIDE SHALL BE MAINTAINED AT 8'-8½" TO BE FINISHED FLOOR, TO PROVIDE FOR CURVED CEILING INSTALLATION AND CLEARANCE OF ALL PENDENT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ////. CANTS ARE 4.5" HIGH ON ALL FLOOR PROJECTIONS OVER 2'0" HORIZONTAL (8" ACTUAL DIMENSION). IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-10-206 TO A-10-212.





BULLETING NOT DATED ARE 1ST THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
10-9-70	B-237	L.S.	
8-26-71	B-116	D.F.	
1-09-71	B-86	L.J.	

REVISIONS

NO.	DATE	BUL. NO.	BY
	11-24-70	B-72	L.J.
	9-29-69	B-21	L.J.
	7-29-69	B-25	L.J.
	7-29-69	B-12	L.J.
	9-29-69	B-18	L.J.
	9-29-69	B-25	L.J.
	9-29-69	B-18	L.J.
	1-1-68	B-7	R.K.
	8-1-68	B-6	R.R.
	8-1-68	B-1	R.R.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JANOS, BAUM & BOLLES
MECHANICAL ENGINEERS

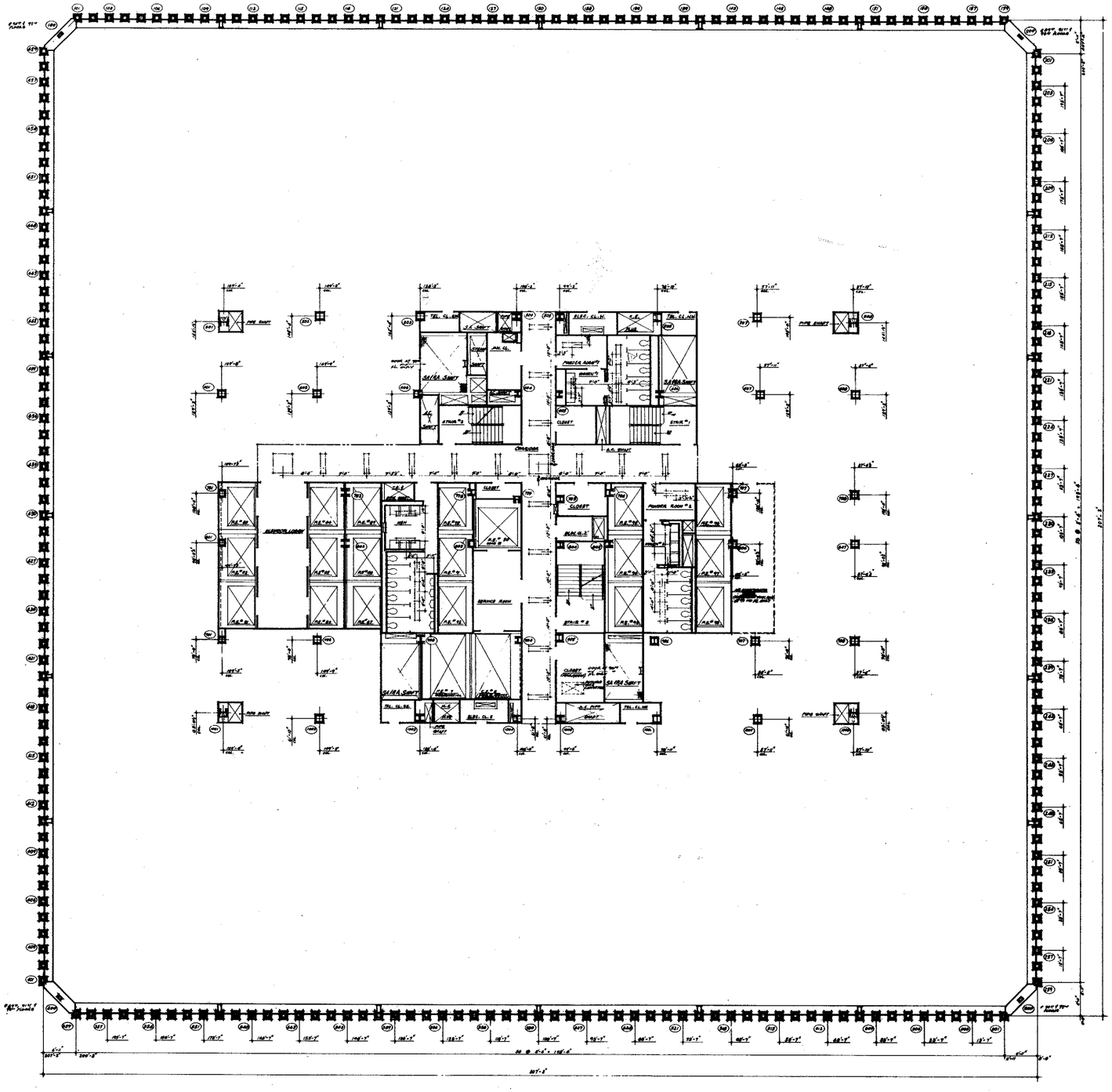
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 88TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"/1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·152		

AB-153


NORTH
SERVICE ROOM
ELEC. CL.SP.
TEL. CL.SP.
SANITARY SHAFT
STAIR "A"
STAIR "B"
PUBLIC LOBBY
PASSENGER ELEVATOR SHAFTS
PIPE SHAFT
AIR SHAFT
CLOSET
MEN
WOMEN
U.S. MEN'S VISITORS' ROOM
U.S. WOMEN'S VISITORS' ROOM
PUBLIC TOILET
PUBLIC TOILET ROOM #2
PUBLIC TOILET ROOM #3
PUBLIC TOILET ROOM #4
PUBLIC TOILET ROOM #5
PUBLIC TOILET ROOM #6
PUBLIC TOILET ROOM #7
PUBLIC TOILET ROOM #8
PUBLIC TOILET ROOM #9
PUBLIC TOILET ROOM #10
PUBLIC TOILET ROOM #11
PUBLIC TOILET ROOM

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE SHEET A-B-1 TO A-B-3.
2. FOR CONCRETE & SCALE FLOOR PLAN SEE DRAWING # A-B-153
3. ALL ELEVATIONS GIVEN THUS (76'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL NOTES SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL FOUR DETAILS SEE SHEET # A-B-204 AND A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 16'-0" WITH 1" SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND BASIC ENGINEER'S & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (76'-0") UNLESS OTHERWISE SHOWN ON PLANS.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE ENGRAVING. SEE TYPICAL TOILET DETAILS ON SHEETS A-B-204.
9. NUMBER OF SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, TOILET FACILITIES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AN CLEARANCE OF 6'-8" ALL WRIGHT DOORS.
10. EXTENT OF OVERHEAD CEILING IS INDICATED THUS: _____
11. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 15" NOMINALLY AS DIMENSIONED ON ELEVATOR SHAFTS AND SHALL BE MINIMUM 75" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-306 TO A-AB-312

CORRIDOR

ELEV. LOBBY

SERVICE ROOM

U.D. MAIL RM.

MAIL ROOM

PART PLAN AT 93rd FLOOR

PART PLAN AT 97TH FLOOR

AIR CONDITIONING RM. EXPANSION TANK RM.

PART PLAN AT 93RD FLOOR

COLUMN DETAILS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING NO. B-1-GB

NO.	DATE	BUL. NO.	BY
11	11-16-76	B-370	L.R.
10	10-9-72	B-287	L.R.
9	7-7-72	B-186	L.L.
8	8-24-71	B-111	GBL
7	8-24-71	B-116	D.T.
6	1-20-71	B-84	L.L.

REVISIONS

NO.	DATE	BUL. NO.	BY
5	1-27-71	B-85	L.L.
4	11-24-70	B-78	L.L.
3	5-29-70	B-45	A.H.
2	9-29-69	B-21	L.L.
1	9-29-69	B-19	L.L.
	9-29-69	B-12	E.C.
	9-29-69	B-16	E.C.
	9-29-69	B-25	E.C.
	9-29-69	B-13	E.C.
	8-1-68	B-6	A.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 16'

TITLE: 89TH TO 93RD FL CORE PLAN

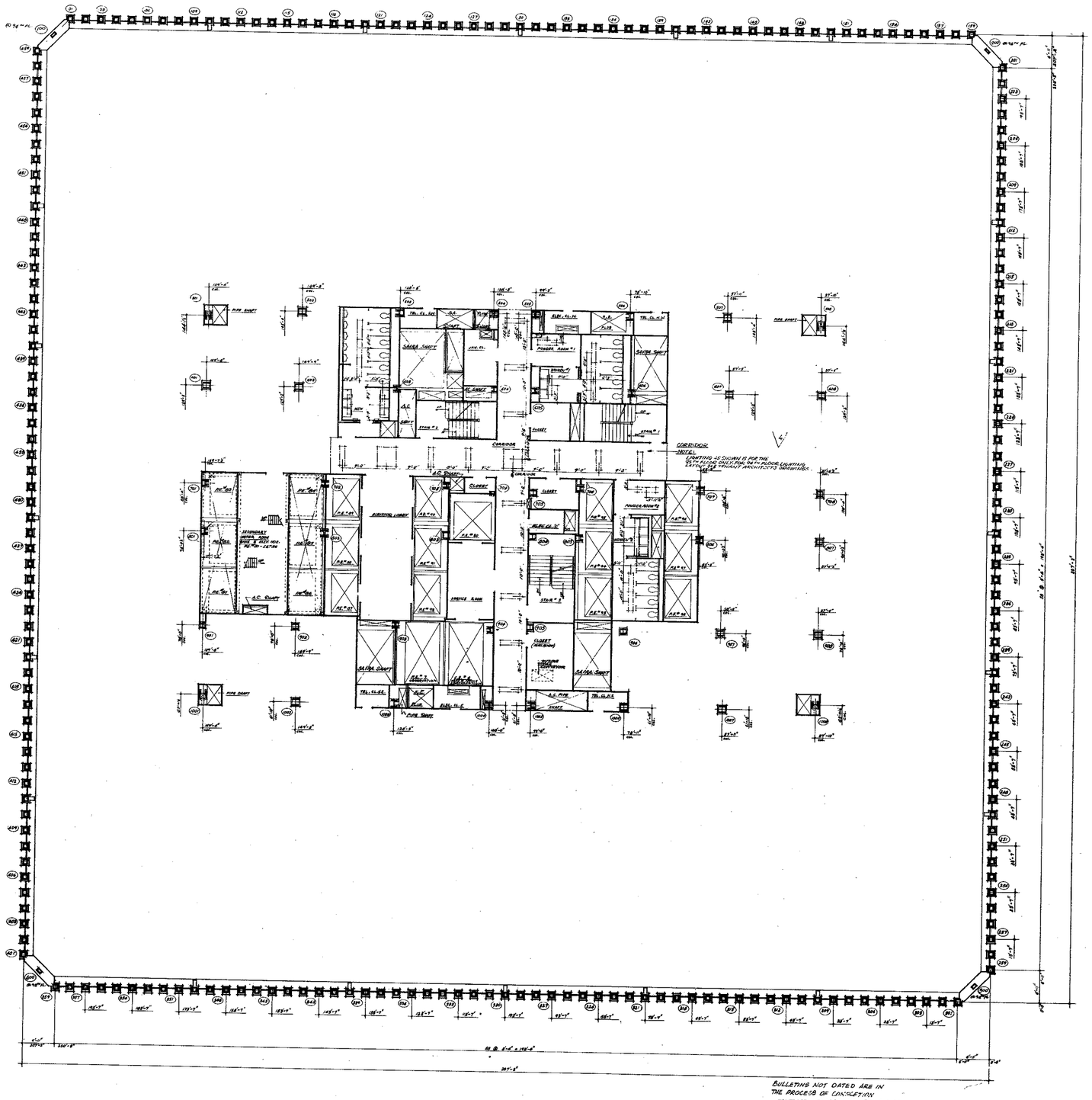
DRAWN | CHECKED

SCALE: 1/4"=1'-0" | DATE: 7-31-67

PROJECT NUMBERS | SHEET OF

DRAWING NUMBER: A-B-154

A15-155


CORRIDOR
CORRIDOR
A.C. SHAFT
ELEVATOR LOBBY
SERVICE ROOM
CLOSET
STAIR # 2
SKY LOBBY
SECURITY CONTROL
SKY LOBBY
A.C. SHAFT
A.C. PIPE
PIPE SHAFT
PIPE SHAFT
PIPE SHAFT
PIPE SHAFT
SECONDARY SERVICE ROOM
PANTRY
PANTRY
PANTRY

AB-156

NORTH

NOTE:
FIREPROOF DUCTS ABOVE WITH 5 LAMINATE LAYERS OF METAL LATH AND 1" GYPSUM CETE PLASTER HARD TO DUCTS. SEE MECH. SPECS. FOR EXTENT OF FIREPROOFING.

CORRIDOR

SECONDARY MOTOR ROOM

ELEV. LOBBY

NOTE:
1. FOR DIMENSIONS AND SLAB DEPRESSIONS SEE ELEVATOR, LOBBY DETAIL AND FLOOR DETAIL DRAWINGS.
2. SEE TENANT ARCH. SPECS FOR DETAILS AND FINISH.

POWDER RM. #1

POWDER RM. #2

WOMEN #1

WOMEN #2

CLOSET

CLOSET (MEN'S ROOM)

SERVICE ROOM

SAIRA SHAFT

A.C. SHAFT

STAIR #1

STAIR #2

ELEV. SHAFT

PIPE SHAFT

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-9.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-15E
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A-20A AND A-A-20C.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEER & CONTRACTOR'S APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE DRAWING. SEE TYPICAL TOILET DETAILS DWG. # LAB-2/4.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT SAME ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _____
11. CAVITY AREA REQUIRED P.C.F. BELL PROJECTION O.H.E. ½ NOMINAL [illegible] CONNECTION IN ELEVATOR SHAFTS AND WALLS A MINIMUM 4" FROM WALL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FALSE STEEL COLUMNS AND TYPICAL FURRING DETAILS SEE DRAWINGS A-AP-10, 11 AND 12

BULLETIN [illegible], DATED [illegible]
THE PROCESS IS [illegible]

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-55	L.J.
2	5-27-70	B-46	A.M.
3	9-29-69	B-31	L.J.
4	9-29-69	B-28	L.K.
5	9-29-69	B-12	D.G.
6	9-29-69	B-18	D.G.
7	9-29-69	B-26	D.G.
8	9-29-69	B-13	D.G.
9	8-1-68	B-6	R.T.H.
10	6-1-68	B-1	D.G.

REVISIONS

NO.	DATE	BUL. NO.	BY
6	8-29-73	B-88E	D.S.
7	10-9-73	B-93	L.B.
8	2-28-71	B-118	D.T.
9	1-29-71	B-24E	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 94TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-156		

NORTH

Note:
FIREPROOF DUCTS ABOVE WITH 2-
TEARDROP LAYERS OF METAL LATH
AND 1" VERMICULITE PLASTER HARD
TO DUCTS - SEE MECH. DWGS. FOR
EXTENT OF FIREPROOFING.

CORRIDOR
SLAB EL. 8'-0"

ELEV. LOBBY
SLAB EL. 8'-0"

Note:
1" MIN. DETAIL DIMENSIONS
SHOWN AND SLAB
DEPRESSIONS SEE
ELEVATOR, LOBBY DETAILS
DWG. # A-B-202.

ELEVATOR MACHINE RM.
BASE 8" ELEV. MIN. PIT #1 - PIT #2
FIN. FL. EL. CLR'G
TOP OF SLAB EL. CLR'G

NOTES:
1. BOTTOM OF TROLLEY BEAM ELEVATIONS
(+ 9'-6") ON THE ELEVATOR SHOP DRAWINGS
2. ☐ INDICATES 8" I-BEAM TROLLEY BEAM SUPPORTS
3. TROLLEY BEAM TO BE SELECTED TO FIT
THOSE VALUES SHOWN ON THE
SPACED AT 5'-0" C. TO C. MAX.

Note:
UNDER CUT FOR
FUTURE CONSTRUCTION.

Note:
SEE DWG. # A-B-202 FOR
DETAILS OF CURBS.

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-9.
2. FOR COMPLETE '8' SCALE FLOOR PLAN SEE DRAWING # A-B-155
3. ALL ELEVATIONS GIVEN THIS CYCLE ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-B-204 AND A-B-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (25-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE DRAWINGS. SEE TYPICAL TOILET DETAILS DWG. # A-B-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOWN AS IN CLOSETS, STAIR PRESSURES, ETC. - BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 12'-6" ABOVE FINISHED FLOOR TO PROVIDE FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: ———
11. GIANTS ARE CONSIDERED IN ALL FLOOR PLANS AS ———
MINIMUM CLEARANCE FROM ELEVATOR SHAFTS AND SHALL BE MINIMUM 75" FROM NON-STRUCTURAL FACE OF FIRE PROOFING AND THE GIANT ROLLER.
12. FOR FURNISHING OF FIRE PROOFING AND THE GIANT ROLLER DWGS. SEE DWG. # A-B-202 TO A-B-204.

TENANT SPACE

ELEVATOR MACHINE ROOM
BASE 8" ELEV. MIN. PIT #1 - PIT #2

SECONDARY MOTOR RM.
BASE 8" ELEV. MIN. PIT #1 - PIT #2

ELEVATOR SHAFT

SECTION A/157

COL. 701 & 801

COL. 803

COL. DETAILS
SCALE 3/4" = 1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT BID DRAWING ADV. 8-1-68

NO.	DATE	BUL. NO.	BY
A	10-9-73	B-287	L.R.
A	4-30-71	B-118	D.R.
5	1-14-71	B-84	L.V.
11	1-29-71	B-85	L.V.

REVISIONS

NO.	DATE	BUL. NO.	BY
A	3-27-70	B-40	A.W.
A	9-29-69	B-31	L.L.
A	9-29-69	B-30	L.V.
A	9-22-69	B-12	R.T.K.
A	9-11-69	B-3	R.T.K.
A	7-7-69	P-25	R.T.K.
A	4-29-69	B-13	R.T.
A	11-1-68	P-1	C.C.
A	8-1-68	B-6	R.T.K.
A	8-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD ROTH — NO. 31,000 — STATE OF NEW YORK

1/16"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

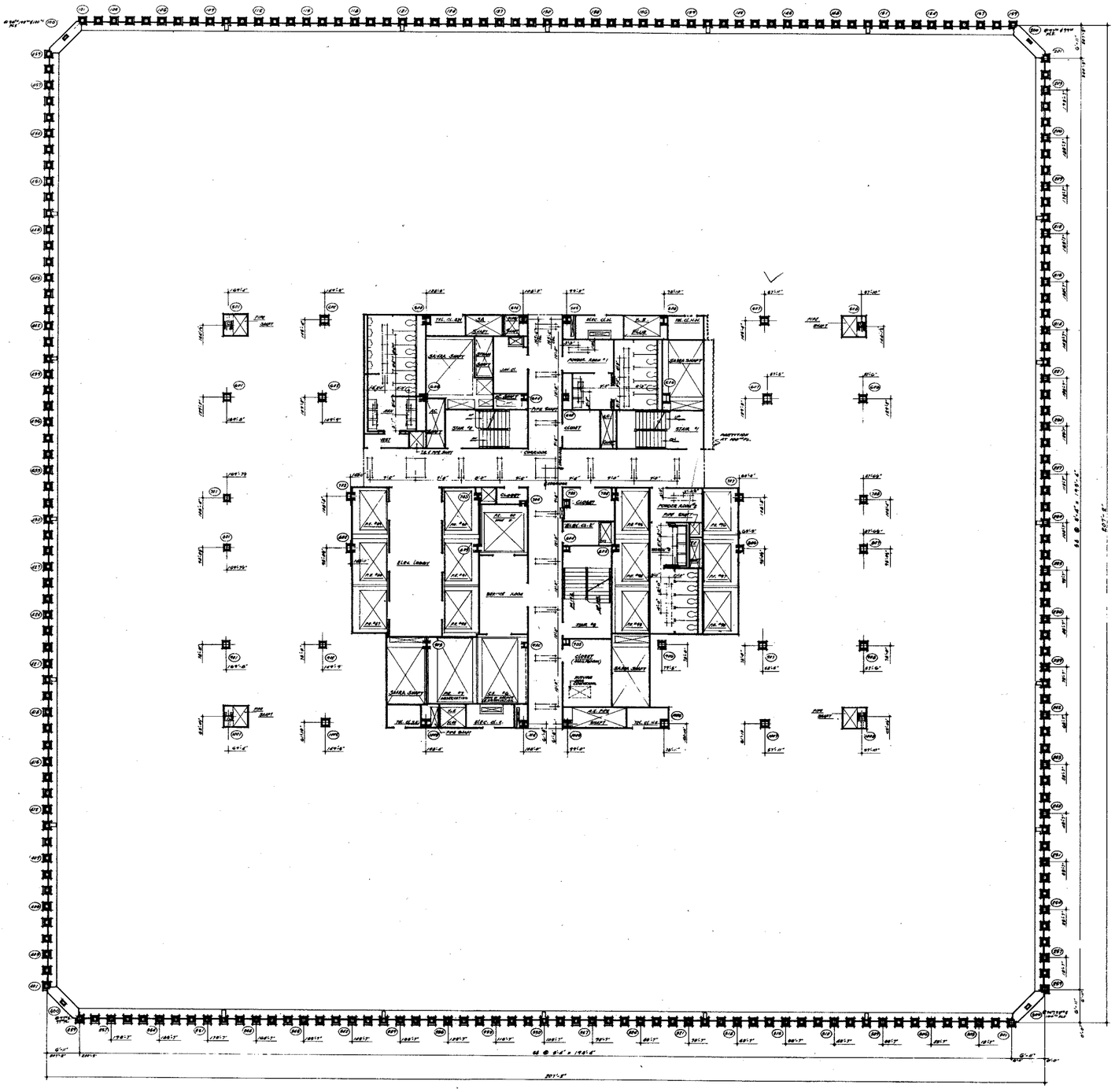
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 95TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"-1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-457		

AB-158

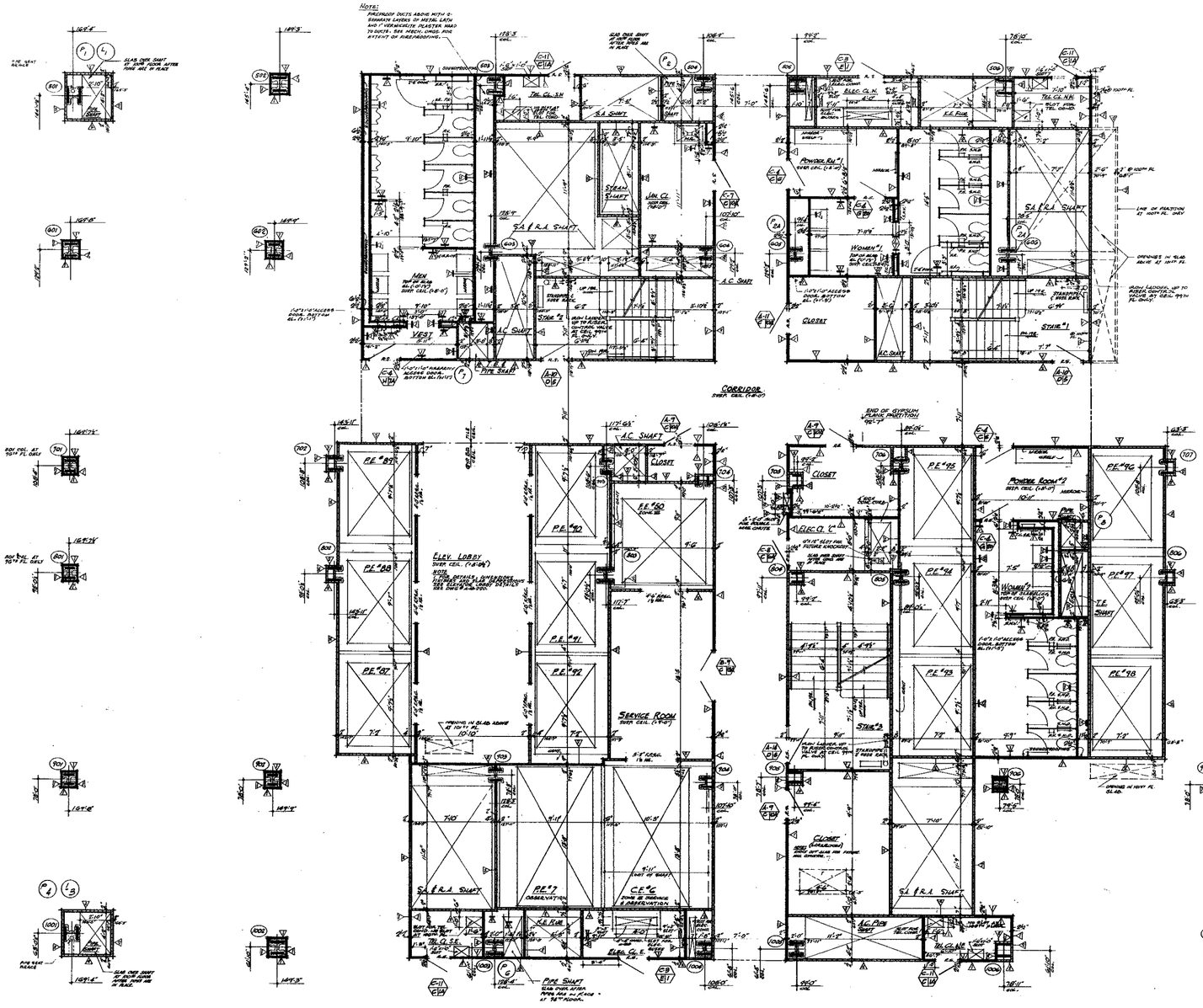

ELEV. LOBBY
ELEC. CLS.
TEL. CLOSET
SERVICE ROOM
SERVICE ROOM #1
SERVICE ROOM #2
SERVICE ROOM #3
CLOSET
STAIR #1
STAIR #2
STAIR #3
SPRINKLER VALVE ROOM
PIPE SHAFT
SPRINKLER RISER
SPRINKLER ROOM
SPRINKLER ROOM #1
SPRINKLER ROOM #2
SPRINKLER ROOM #3
SPRINKLER ROOM #4
SPRINKLER ROOM #5
SPRINKLER ROOM #6
SPRINKLER ROOM #7
SPRINKLER ROOM #8
SPRINKLER ROOM #9
SPRINKLER ROOM #10
SPRINKLER ROOM #11
SPRINKLER ROOM #12
SPRINKLER ROOM #13
SPRINKLER ROOM

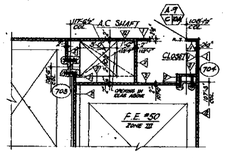
AB-159

NORTH

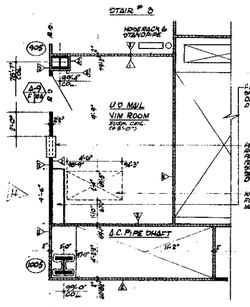
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, ROOM SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-9.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-B-156
3. ALL ELEVATIONS GIVEN THUS (1'-0-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWING.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A-504 AND A-A-505.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (1'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. MIRROR BOARD TO BOAR DISPENSER VALVE TO BE LOCATED IN ACCORDANCE WITH TILE SPACING. SEE TYPICAL TOILET DETAILS DRAWING #A-A-504. THERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC; BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CA-1 TYPE ACOUSTICAL SUSPENDED METAL PAN CEILING SYSTEM (SEE DETAIL DWG. A-A-501) MINIMUM (SEE ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND TOWER AS MINIMUM 72" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF PIPES STANDARD PIPE COVERING AND TYPICAL INSULATION DETAILS SEE DRAWING # A-A-505 TO A-A-506





PART PLAN AT 100TH FL



PART PLAN AT 100TH FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT - 810 DRAWING Sheet 8-1-6.8

NO.	DATE	BUL. NO.	BY
6	11-12-76	B-870	J.R.
5	10-1-75	B-697	L.B.
4	8-7-75	B-164	L.L.
3	8-26-71	B-111	L.L.

NO.	DATE	BUL. NO.	BY
8	8-26-71	B-96	D.T.
7	1-26-71	B-84	L.L.
6	1-26-71	B-85	L.L.
5	9-29-69	B-81	L.L.
4	9-29-69	B-58	L.L.
3	9-29-69	B-19	D.G.
2	9-29-69	B-18	D.G.
1	9-29-69	B-16	D.G.
0	9-29-69	B-13	D.G.
A	8-1-68	B-6	P.F.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MUSTANG NOVEL — NO. 5555 — NOT VALID UNLESS SEAL IS EMBOSSED

3/16"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

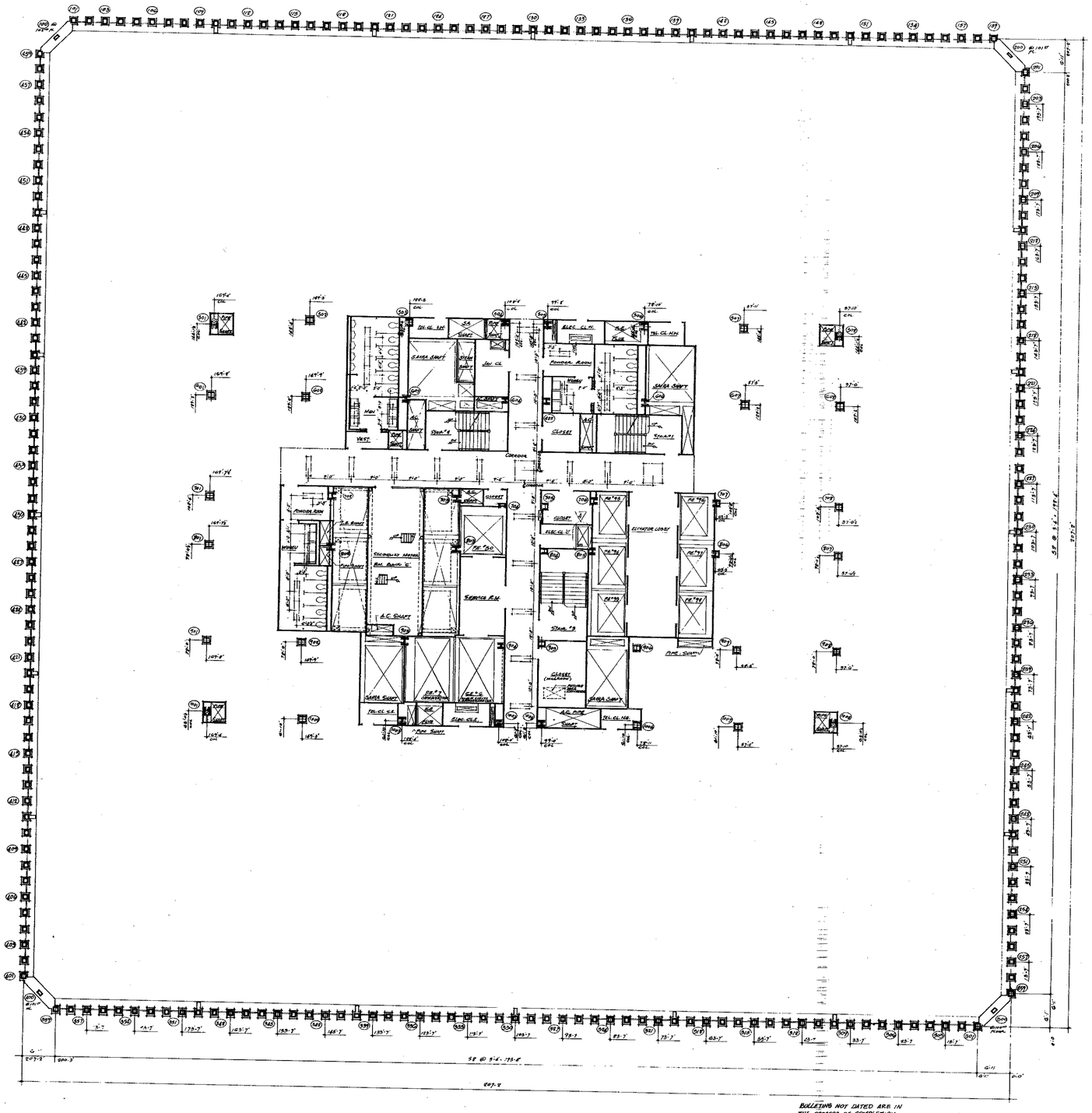
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 96TH TO 100TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-159		

AB·160


NORTH
SERVICE R.M.
ELEVATOR LOBBY
CORRIDOR
SERVICE R.M.
STAIR "B"
SHAFT
ELEC. CL'M.
TEL. CL. M.H.
TEL. CL. S.H.
A.C. SHAFT
SEWAGE EJ.
SEWAGE EJ. CONNECTION
GASSES CONNECTION
SEWAGE EJ. VENTILATION
FIRE CL'M.
A.C. PIPE SHAFT
SEWAGE EJ. VENT SHAFT
SEWAGE EJ. VENT SHAFT
SEWAGE EJ. VENT

AB-161

North

NOTE:
FIREWOOD DUCTS ABOVE WITH 5" SEPARATE LAYERS OF METAL LATH AND 1" VERMICULITE PLASTER MADE TO DUCTS. SEE MECH. ENGR. FOR EXTENT OF FURRINGDOWN.

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A.B-1 TO A.B-9.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING # A.B-160
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWING.
5. FOR TYPICAL JOINT DETAILS SEE DWGS # A.B-204 AND A.B-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS: ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO REAR DISPENSER WALLS TO BE LOCATED IN ACCORDANCE WITH CODE RULING TR-8. SEE TYPICAL TOILET DETAILS DWG. # A.B-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FURRING AND SOFFITS SHALL BE MAINTAINED AT ELEVATIONS JUST BELOW FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE TO FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" NO. (ACTUAL DIMENSION) IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZ. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS, A.B-206 TO A.B-215.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
4	10-9-73	B-287	L.J.
3	9-13-71	B-196	L.J.
2	6-28-71	B-118	D.T.
1	11-29-71	B-54	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
10	1-20-72	B-355	L.J.
9	11-24-70	B-72	L.J.
8	9-29-69	B-21	L.J.
7	9-20-69	B-89	L.J.
6	9-19-69	B-13	L.J.
5	9-19-69	B-18	L.J.
4	9-19-69	B-25	L.J.
3	9-20-68	B-13	L.J.
2	5-1-68	B-6	R.T.A.
1	5-1-68	B-1	C.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE — NO. 035 — 26

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 101ST FLOOR CORE PLAN

1/16" = 1'-0"

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	7-3-72
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·161		

NORTH

NOTE:
FIREBLOCK ducts above with 2-hr. barrier covers of metal lath and 1"vermiculite plaster hard to ducts. See Mech. Dwgs. for extent of fireproofing.

CORRIDOR
SUSP. CEIL. 68'-0"

ELEV. LOBBY
SUSP. CEIL. 68'-0"

NOTE:
1. For detail, dimensions, finishes and slab depression see elevator library bulletin dwg. # AB-E700

END OF GYPSUM PLASTIC PARTITION

Toilets

Elevator Machine Room
Bank "C" - Elev. nos. 76 thru 79

Secondary Metal R.M.

Elevator Pumps

SECTION

NOTES

1. For general notes, key to materials, symbols, abbreviations, finish schedules, door schedules and schedules of drawings see drawings # A-B-1 to A-B-9.
2. For complete 1/8" scale floor plan see drawing # A-B-160
3. All elevations given thus (00'-0") are in relation to finish floor.
4. For mechanical and electrical layouts see respective engineers' drawings.
5. For typical stair details see dwgs. # A.R.-804 and A.R.-805.
6. All trench headers to be prepared at underside of slab for a width of 6'0" with a 3/4"-1-on type encapsulating, see architectural specifications for type and electrical engineers and contractors approved shop drawing for location and extent of trench header and fireproofing.
7. Finish floor elevation & top of slab elevations are (00'-0") unless otherwise shown or noted.
8. Provide soap dispensers at all men and women's toilets, one dispenser at each lavatory. Accepts dound to soap dispenser valves to be located in accordance with tile coursing. See typical toilet details drawing no. A.B.-214.
9. Where no suspended ceilings are called for such as in closets stair passages etc., bottom elevation of all piping and duct work shall be maintained at 8'-6" above finished floor to provide for future ceiling installation and clearance of full height doors.
10. Extent of public corridor ceiling is indicated thus: \\\\\\\\
11. Cants are required on all beam projections over 6" nominal (1 1/2 brs.) dimension, in elevator shafts and small mechanical rms. See typical details.
12. For fireproofing of free standing columns and typical partition details see drawings A.R.-706 to A.R. 713

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	10-9-70	B-237	L.B.
2	8-26-70	B-116	D.T.
3	1-29-70	B-64	L.J.
4	1-29-70	B-25	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	11-26-68	B-72	L.J.
2	9-25-68	B-61	L.W.
3	9-25-68	B-55	L.W.
4	9-27-68	B-12	E.C.
5	9-27-68	B-18	E.C.
6	9-27-68	B-26	E.C.
7	9-27-68	B-18	E.C.
8	11-1-68	B-7	F.K.
9	8-1-68	B-6	R.T.H.
10	8-1-68	B-1	F.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT
NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

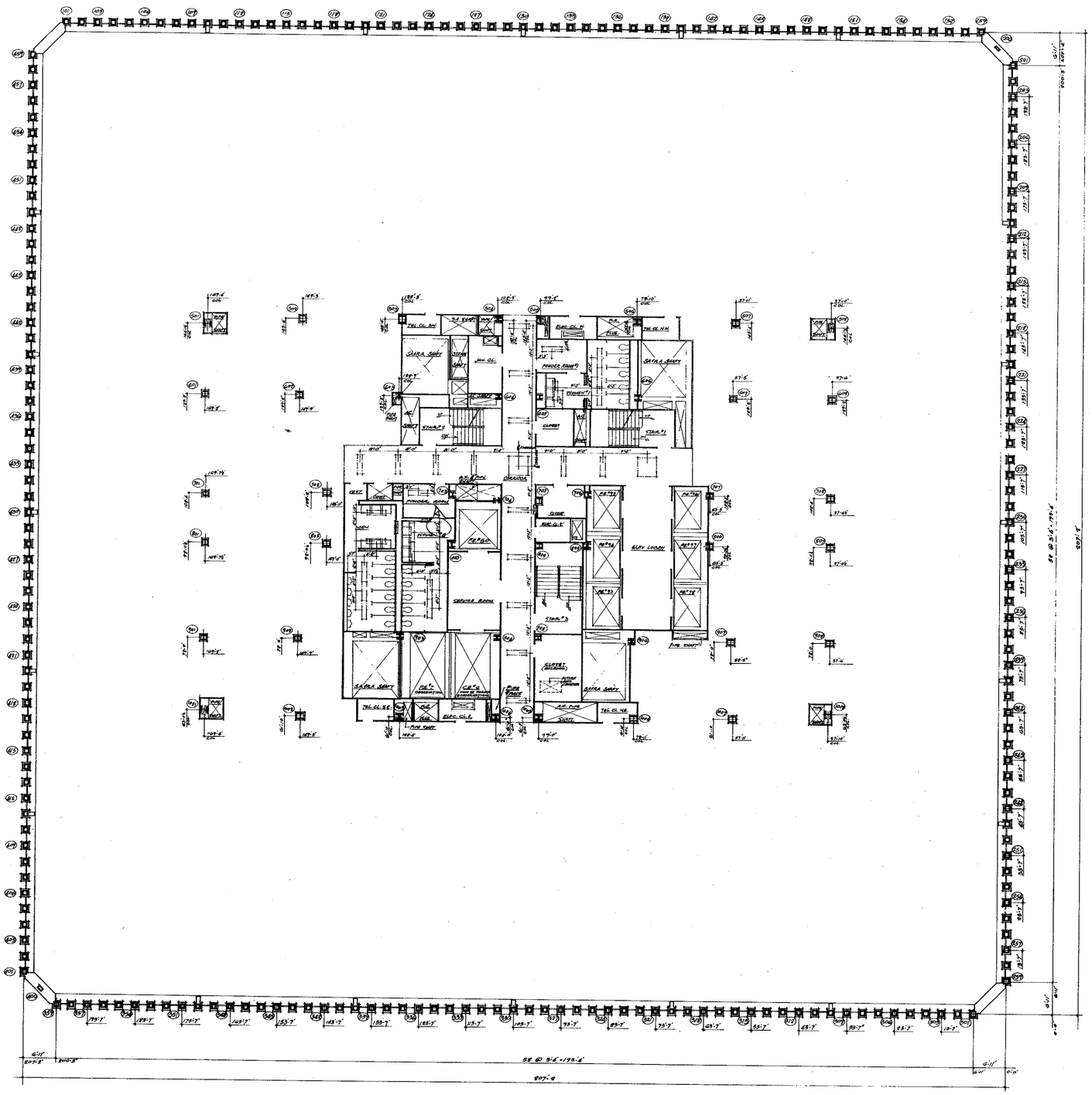
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/16" = 1'0" 0 1' 2'-3"-4' 8' 12

TITLE: 102ND FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·162		

AB-163



NORTH

NOTES.

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING #A-B-100.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8 SCALE CORE DRAWING #A-B-104.
3. ALL ELEVATION GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS AFFIXED SIGN SHOWS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE IDENTICAL UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
2	2-7-78	B-144	L.C.
1	1-28-71	B-24	L.W.
3	9-29-69	B-89	L.L.
4	9-21-69	B-15	H.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT NO. 035748 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

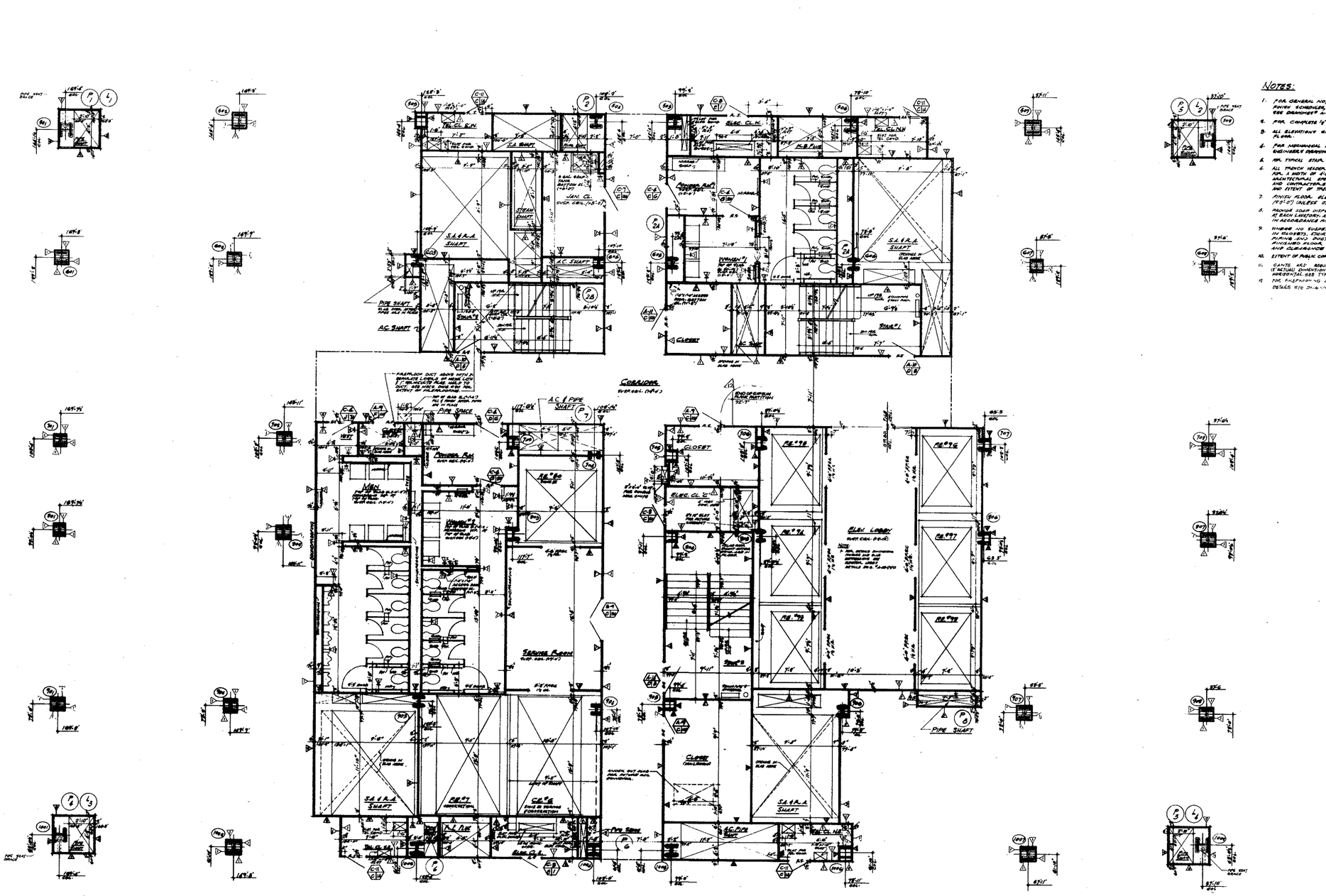
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

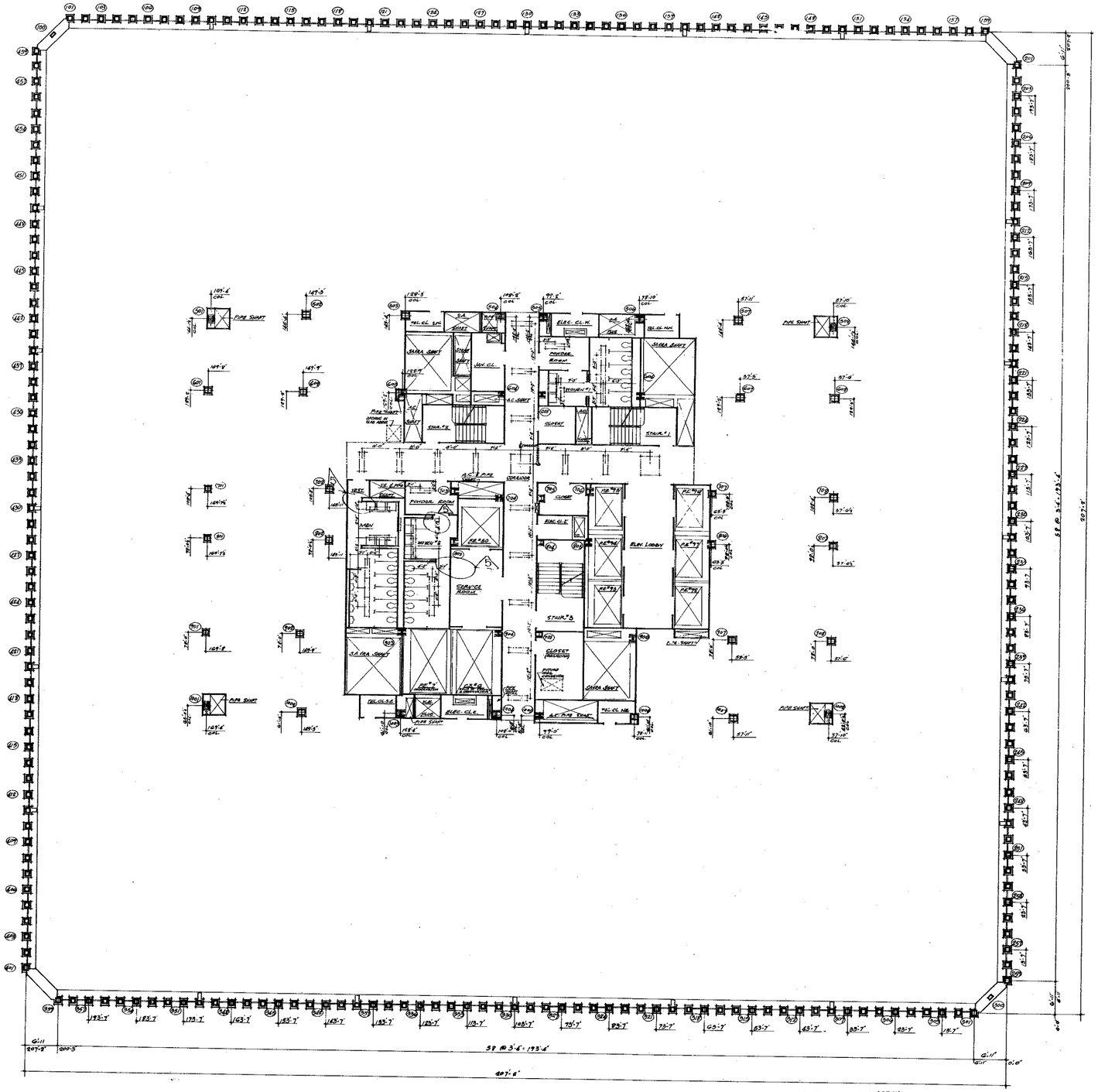
1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 103RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·163		


NORTH
CORRIDOR
ELEV. LOBBY
ELEC. CL'S
TEL. CL'S
S.A.R.A. SHAFT
A.C. SHAFT
A.C. & PIPE SHAFT
PIPE SHAFT
STAIR #1
STAIR #2
CLOSET
WOMEN'S
MEN'S
TENANT'S TOILET ROOM
TENANT'S SERVICE ROOM
CLEANERS CLOSET
CLEANERS WORK ROOM
CLEANERS STORAGE
CLEANERS LOCKER ROOM
CLEANERS TOILET
CLEANERS SHOWER
CLEANERS LOUNGE
CLEANERS OFFICE
CLEANERS CLOSET

AB-165



NORTH

NOTES.

1. FOR GENERAL NOTES, KEY TO MATERIALS, CIVILITE ABBREVIATIONS, FINISH SCHEDULES, DOOR, STANDARDS AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-12.
2. FOR COMPLETE DIMENSIONS AND NOTES ON CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-B-11 AND A-B-12.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ARCHITECTS AND ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED WITH 2" MINIMUM OF CLASS "A" CONCRETE FOR A WIDTH OF 4'-0" WITH A SPRINKLER PIPE RACEWAY. THE ARCHITECTURAL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR TYPE AND SIZE OF SLEEVES, INSERTS, ETC. AND COORDINATE WITH OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION & ELEVATION OF TRENCH HEADER AND FIREPROOFING.
6. FIRE DOOR AND TRUCK DOOR OPENINGS ARE SHOWN FOR ALL OVERHEAD LIGHTING. SEE ELECTRICAL DRAWINGS A-B-3 AND A-B-4 FOR DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF BEAM ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. NUMBERS IN SUPERSCRIPT ( ) ARE KEYED TO ALL DOORS IN CORRIDORS AND PASSAGES TO BOTH SIDES OF ELEVATOR SHAFTS AND CONTINUOUS WALLS OF MULTIPLE 4'-0" WIDE FLOOR FLOOR OPENINGS FOR FUTURE ESCALATOR INSTALLATION AND CONSTRUCTION OPENINGS.
9. HEIGHT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS "C.H. 9'-0" ".

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
4	2-7-79	B-144	L.C.
3	8-26-71	B-116	L.J.
2	1-29-71	B-84	L.J.
1	9-29-69	B-99	L.J.
0	9-29-69	B-10	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0" 4 8 16 24

TITLE: 100TH FLOOR PLAN

DRAWN | CHECKED
SCALE 1/8" = 1'-0" | DATE
PROJECT NUMBER | SHEET | OF
DRAWING NUMBER

A·B·165

AB-166

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-6.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING #A-B-105
3. ALL ELEVATIONS GIVEN THUS (100'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWING
5. FOR TYPICAL STAIR, DETAILS SEE DWGS# A-B-504 AND A-B-505.
6. ALL TRENCH HEADERS TO BE WATERPROOFED AT UNDERSIDE OF SLAB MIN. 3 MILS OF 4'0" WITH A SPRAYED TYPE WATERPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND WATERPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (100'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COUNSIL SEE TYPICAL TOILET DETAILS DRAWING #A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK TO BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 15" NOMINAL (6" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAIL.
12. FOR PARTITIONING OF FULL HEIGHT COLUMNS AND TYPICAL TOILET DETAILS SEE DRAWING A-AB-211 & A-AB-214.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-28-71	B-94	ALT
10	11-24-70	B-72	L.V.
6	5-27-70	B-48	A.W.
7	9-29-69	B-81	L.V.
4	11-29-68	B-55	L.V.
3	9-29-68	B-12	D.G.
2	9-29-68	B-15	D.G.
1	9-29-68	B-20	D.G.
11	9-29-67	B-13	D.G.
5	8-1-68	B-6	E.H.
1	10-7-73	B-197	M.G.
2	8-26-71	B-116	D.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT NEW YORK STATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

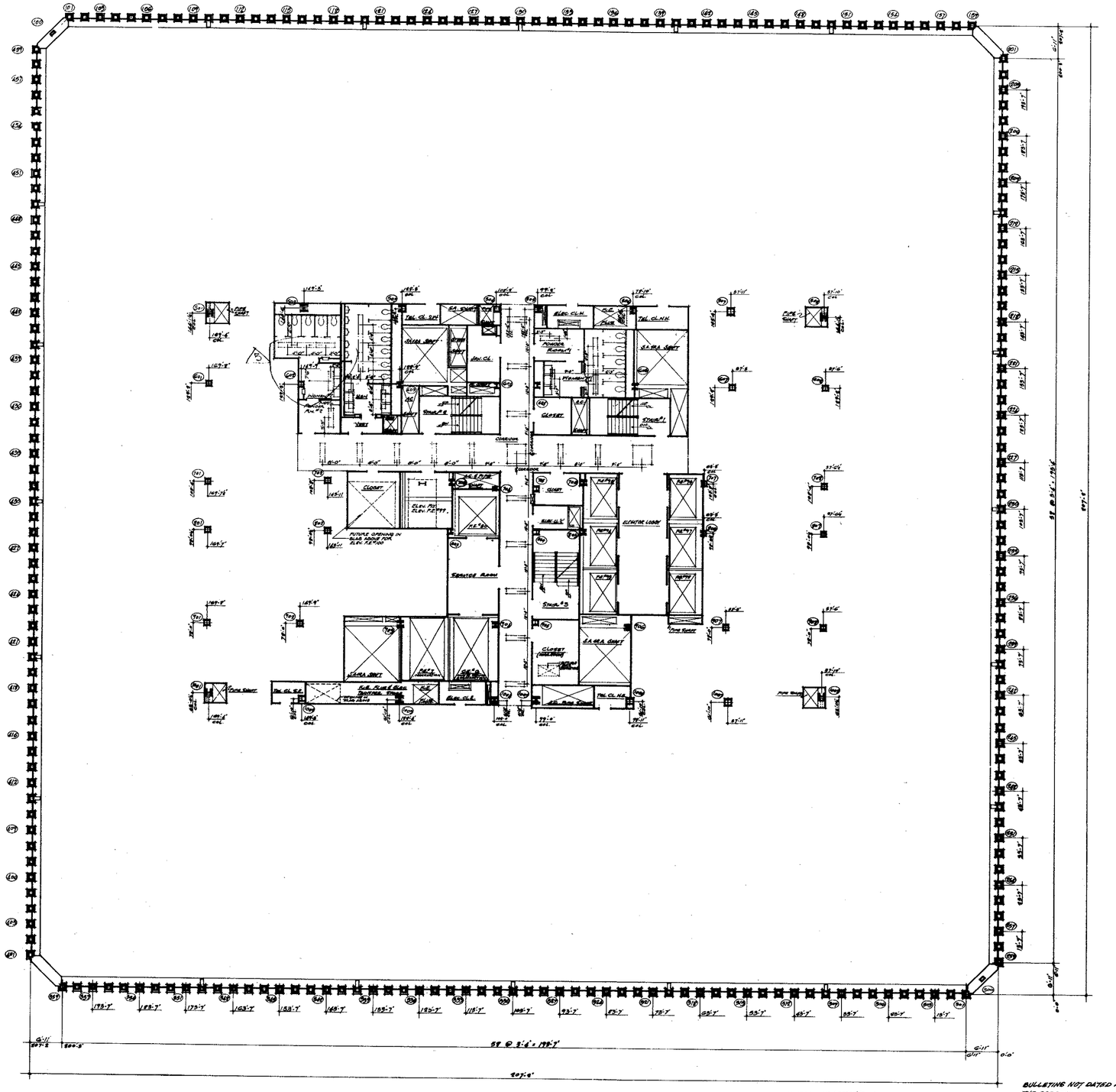
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 104TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-166		

AB-167



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, STANDARD ABBREVIATIONS, TRADE SYMBOLS AND SYMBOLS OF DRAWINGS SEE DRAWING #A-0.1 IN A-B-0. SERIES CORE DRAWINGS #A-1.1 etc.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 4 SERIES CORE DRAWINGS #A-1.1 etc.
3. ALL ELEVATION GIVEN THUS (100.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBSYSTEMS DRAWINGS.
5. ALL TRADES LOCATED TO BE IMPLEMENTED AT UNDERSIDE OF SLAB FOR EXPOSED OR FLUSH CEILINGS AND TO BE TYPE PARTITIONS. SEE ARCHITECTURAL DETAILS #A-7.1 to #A-7.8 FOR ELEC. BASEBOARD & CHATTERTRAK APPROVED TYPES. FOR LOCATION & EXTENT OF TRENCH HEADER AND PARTITIONING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AT TYPICAL FLOOR, ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (100.0') UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSET, STAIR, PASSAGE ETC., BOTTOM SURFACE OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE MINIMUM FLOOR TO PROVIDE FOR PIPING AND DUCTWORK INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: ———— ———

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REVISIONS				REVISIONS			
NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
				6	6-8-72	B-168	L.C.
				5	8-18-71	B-118	L.A.
				4	1-28-71	B-84	L.F.
				3	7-29-69	B-81	L.C.
				2	7-29-69	B-12	E.C.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

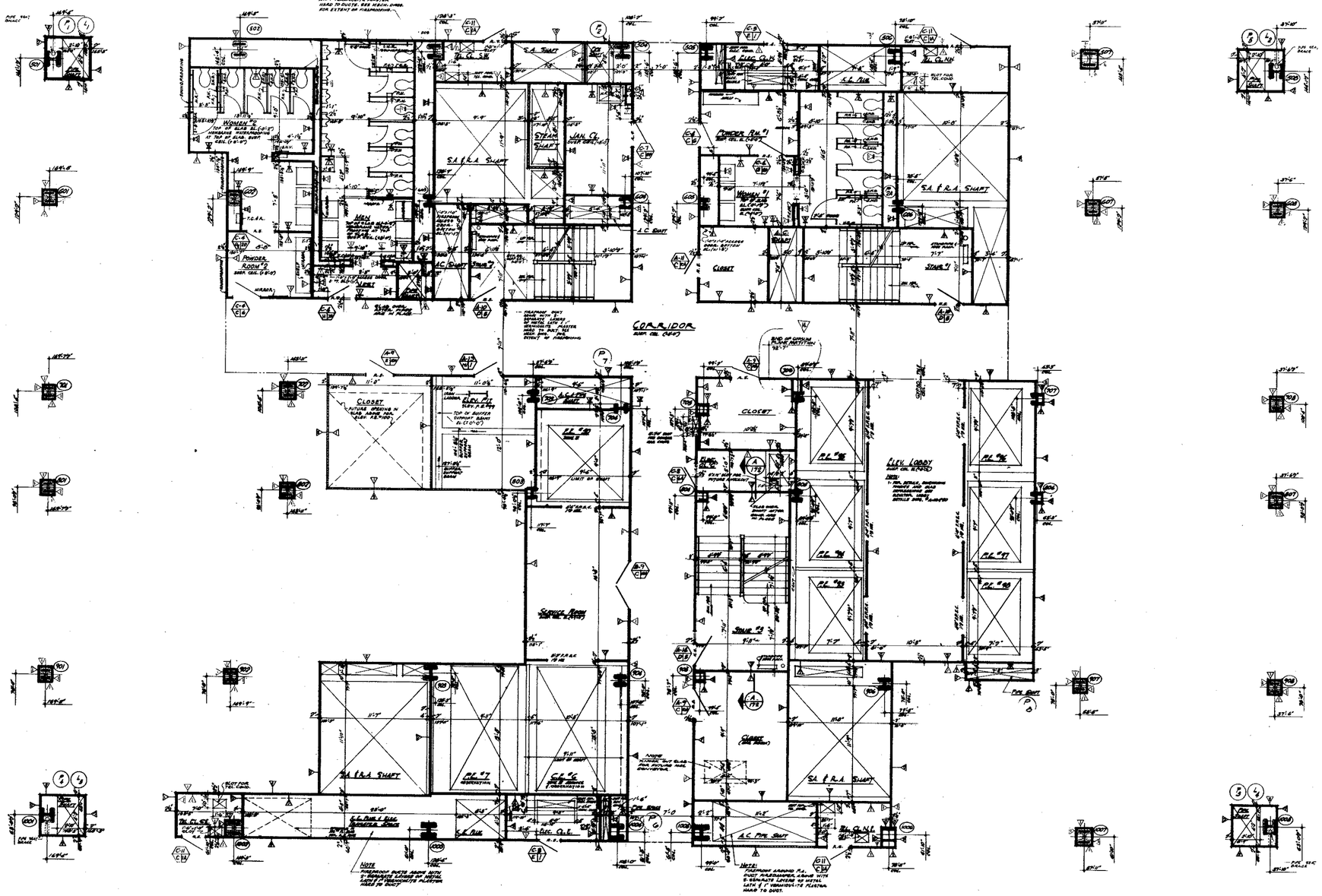
1/8"=1'-0" 0' 4' 8' 16' 24'

TITLE: 105TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DRAWING ENGINEER			

A·B·167

AB-168



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-4.
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING #A-B-167
3. ALL ELEVATIONS GIVEN THUS (7.01'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRWG.# A-A-206 AND A-A-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0", WITH A STRAIGHT-ON TYPE FIREPROOFING AS ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPLIED BY PLUMBING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATION# 104'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL SINKS AND PAPER TOWELS, CUP DISPENSERS AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH COVERING TILE. SEE TYPICAL TOILET DETAILS DRG.# A-A-204.
9. SHAFTS AND SUSPENDED CEILINGS ARE CALLED FOR, EVEN IF NOT IN CLOSETS. STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 10'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _____
11. CANT'S ARE RECTANGULAR IN ALL PLAN PROJECTIONS, (REAL SIZE) NOMINAL (8" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM ADJACENT. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS. SEE DRAWINGS A-A-206 TO A-A-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
		CONTRACT BID DRAWINGS	Sept 3-1-68
1	1-29-71	B-85	L.J.
2	11-24-70	B-73	L.J.
3	5-27-70	B-48	A.M.
4	9-29-69	B-21	L.J.
5	9-29-69	B-20	L.J.
6	9-29-69	B-17	E.C.
7	9-29-69	B-18	E.C.
8	9-29-69	B-26	E.C.
9	9-29-69	B-28	E.C.
10	5-1-68	B-6	R.T.R.
10-9-70	B-287	M.G.	
8-3-70	B-148	L.J.	
8-28-70	B-178	D.P.	
1-29-70	B-84	L.J.	

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 12,000

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

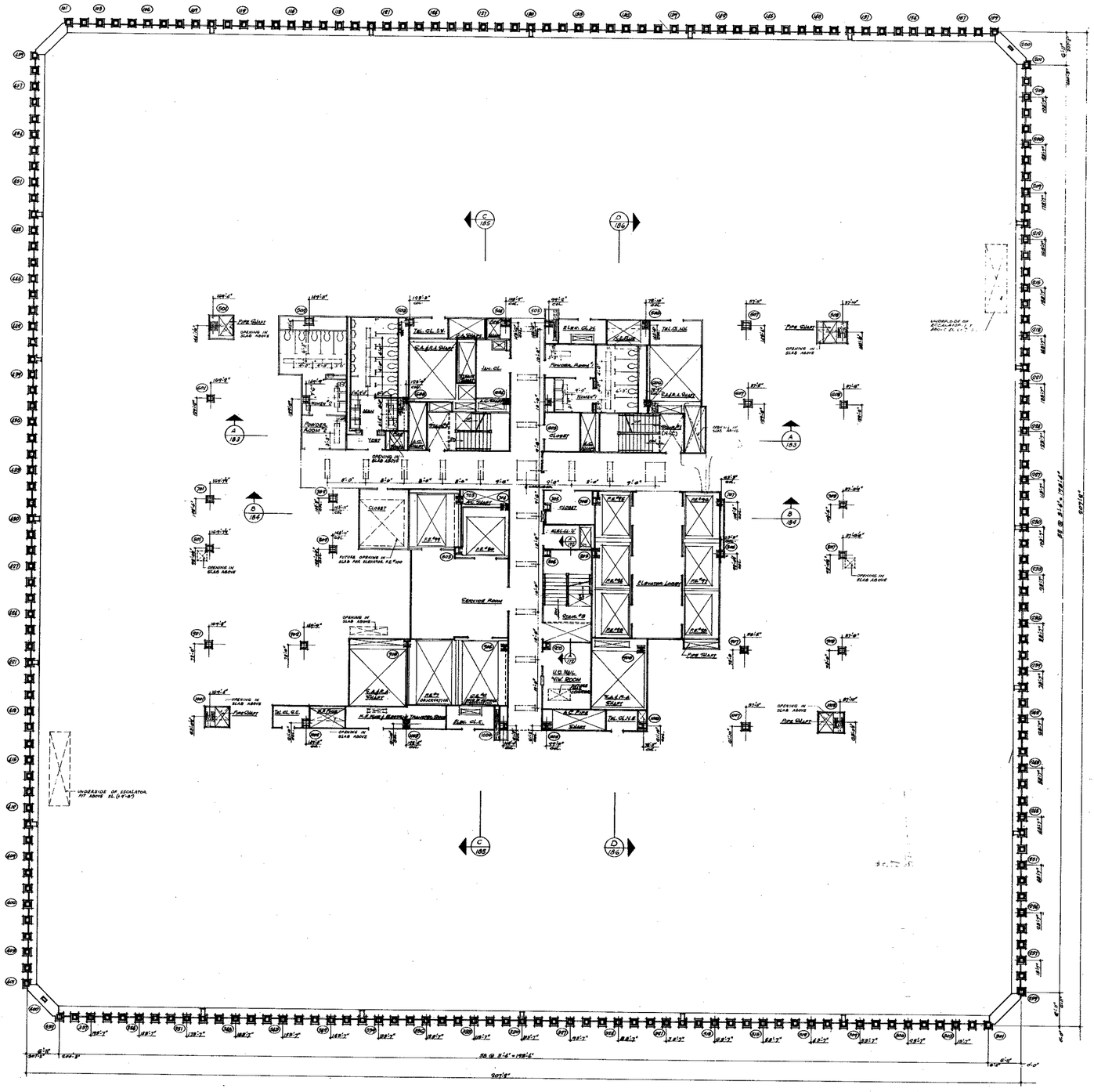
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAYING, UTILITIES, FOUNDATIONS

TITLE: 105TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-168		

1/4" SCALE: 0 1' 2' 3' 4' 8' 12'

AB-169



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A.0-1 TO A.0-9.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING # A.0-1.75.
3. ALL ELEVATIONS WHEN THUS (13'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERSPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS ARRANGE WORK SO AS TO LIMIT EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWING AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (9'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING HAS BEEN CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT	BID	DRAWING	Date 8-1-68

NO.	DATE	BUL. NO.	BY
1	1-6-75	B-281	LJ

REVISIONS

NO.	DATE	BUL. NO.	BY
19	1-17-75	B-278	EE
18	11-25-74	B-277	EE
17	7-7-72	B-144	LC
16	6-16-71	B-111	DBL
15	6-16-71	B-116	DT
14	4-28-71	B-59	DG
13	4-28-71	B-11	DG
12	1-25-71	A.B-84	LLH
11	9-29-69	B-95	LH
10	9-29-69	B-92	DT

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 21911 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 106TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·169		

AB-170

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-10.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING # A-B-47
3. ALL ELEVATIONS GIVEN THUS (100'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-B-904 AND A-B-905
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH 1 SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LENGTHS AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (66'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING # A-A-314.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE [illegible]
12. FOR [illegible]
DETAILS SEE DRAWING # A-A-314.

BULLETINS NOT DATED ARE IN THE PROCESS OF ISSUANCE

CONTRACT	BID	DRAWING	date 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-8-75	B-281	LJ
2	9-17-75	B-298	DS
3	9-25-76	B-377	RS
4	11-18-76	B-370	JA
5	10-9-78	B-537	LB
6	9-7-79	B-648	LC
7	8-26-81	B-111	DBL
8	8-26-81	B-113	DT
9	6-28-82	B-11	DG
10	1-29-91	B-542	

REVISIONS

NO.	DATE	BUL. NO.	BY
11	11-26-76	B-412	LJ
12	5-23-80	B-483	AM
13	9-29-81	B-581	LJ
14	9-29-82	B-686	LJ
15	9-27-89	B-12	DG
16	9-27-89	B-16	DG
17	9-27-89	B-15	DG
18	9-27-89	B-17	DG
19	8-1-68	B-6	RTM
20	5-1-68	B-1	TDG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

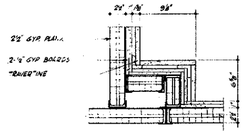
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

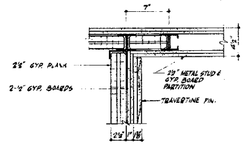
3/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 106TH FLOOR CORE PLAN

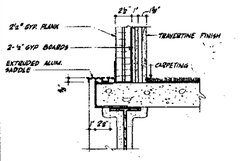
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-170		



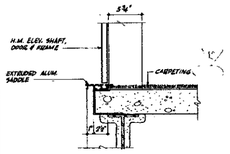
A/171



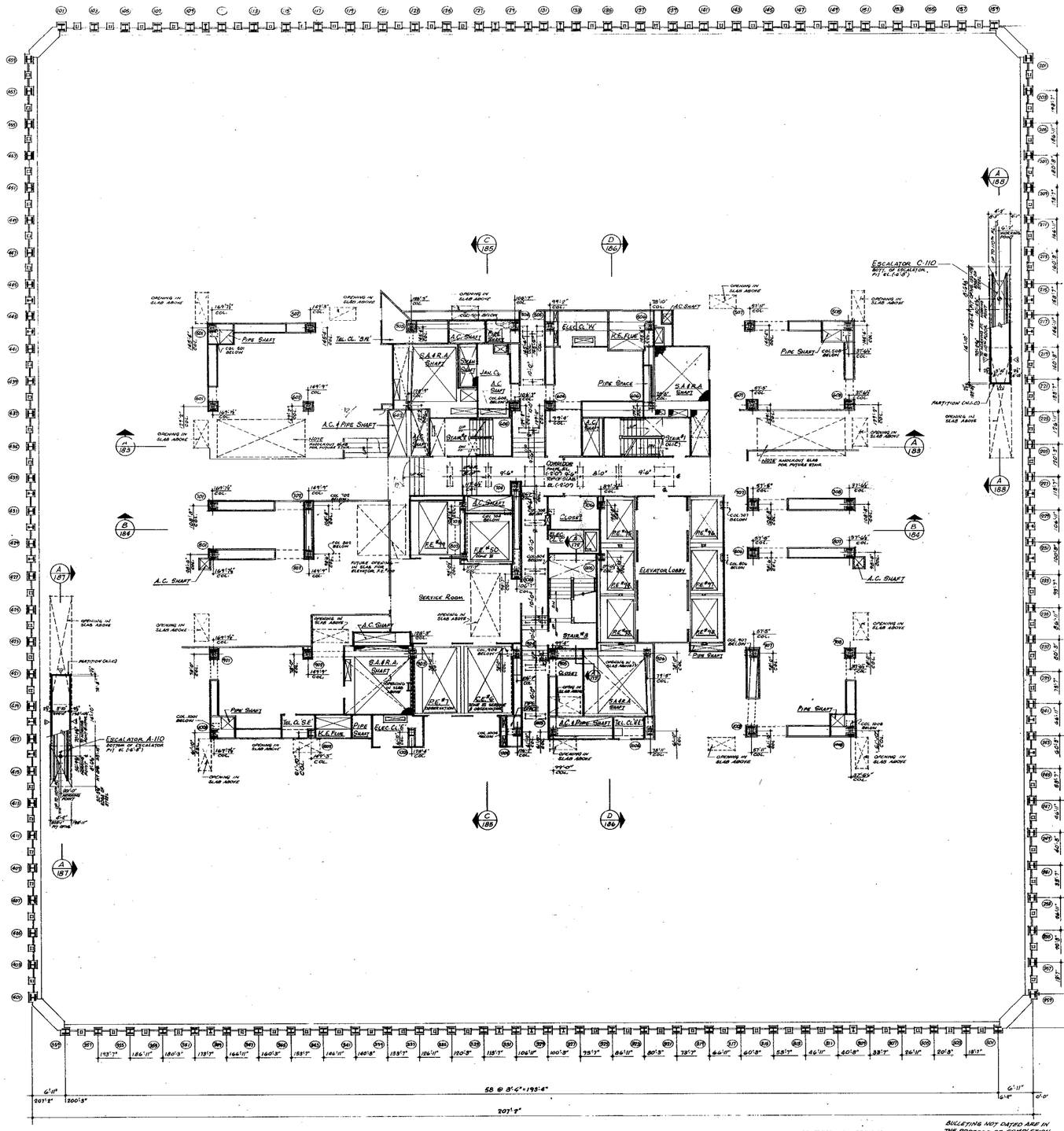
B/171



C/171



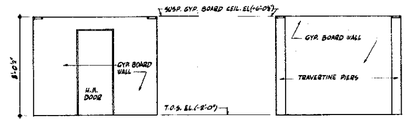
D/171



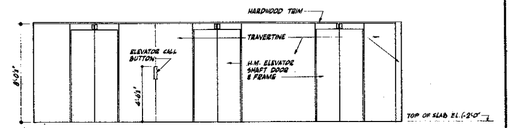
NORTH

NOTES:

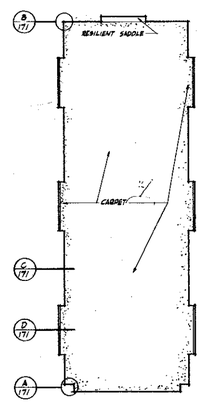
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS DOORS, SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING "A-B-1 TO A-B-9.
2. FOR COMPLETE '4' SCALE CORE PLAN SEE DWG "A-B-176
3. ALL ELEVATIONS GIVEN THUS (5'-0") ARE IN RELATION TO TOP OF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (-0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. FOR TYPICAL STAIR DETAILS SEE DRAWINGS "A-AB-208 AND A-AB-209.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. EVENT OF PUBLIC CORRIDOR CEIL. IS INDICATED THUS ———— ———
9. CORRIDOR LIGHTING LAYOUTS AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS, TENANT ARCH. DRAWINGS & ARCH. DETAILS.



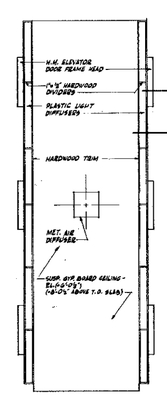
WEST ELEVATION — EAST ELEVATION



NORTH ELEVATION
(SOUTH ELEVATION OPPOSITE HAND AND WITHOUT CALL BUTTON)



FLOOR PLAN



REFLECTED CEILING PLAN

ELEVATOR LOBBY PLANS & ELEVATIONS
SCALE: ¼"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-1-68		
		3	1-17-74	B-385	L.J.
		2	10-26-72	B-188	L.J.
		1	7-7-72	B-143	L.C.
		3	2-7-72	B-143	L.C.
		3	8-24-71	B-118	D.T.
		3	4-28-71	B-11	D.G.
		2	4-28-71	B-69	D.G.
		1	1-29-71	B-84	W.H.
1	1-8-73	B-681	L.J.	1	R.J.H.
2	12-5-74	B-277	R.G.	1	R.J.H.
NO.	DATE	REVISIONS SUBJ. NO.	BY	NO.	DATE

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 107TH FLOOR PLAN
OBSERVATION LEVEL

DRAWN		CHECKED	
SCALE	16" = 1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-471		

16"=1'-0" 0 4' 8 16' 24

NORTH

NOTES

FOR GENERAL NOTES, KEYS TO MATERIALS SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.

2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING A-B.171
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-AB.306 & A-AB.206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR "F.P." AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & F.P. FIREPROOFING
7. T.F.S.H. FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" VERTICAL (3" TOTAL DIMENSION) AT ELEVATOR SHAFTS AND SHALL BE MINIMUM 90° FROM HORIZONTAL SEE TYPICAL DETAILS
10. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB.206 TO A-AB.211
11. ALL WALLS & PARTITIONS SHOWN IN THIS CONTRACT, ALL WORK NOT MATCHED IS AS A SEPARATE CONTRACT, BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.
12. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS ———

SECTION (A/172) THRU STAIR #3

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 3-1-68			
			7-7-78	B-143	L.C.
			6-24-71	B-116	D.T.
			4-19-71	B-11	D.G.
9-17-76	B-238	L.J.	1-29-71	B-84	W.H.
1-8-75	B-201	L.J.	6-4-70	B-78	L.J.
9-23-74	B-177	R.E.	9-29-69	B-12	R.T.H.
10-9-73	B-157	L.B.	9-29-69	B-13	R.T.H.
7-24-73	B-135	M.G.	9-29-69	B-13	R.T.H.
3-3-72	B-108	L.C.	8-1-68	B-6	R.T.H.
2-7-72	B-144	L.C.	5-1-68	B-1	D.G.

NO. DATE BUL. NO. BY — REVISIONS

NO. DATE BUL. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING UTILITIES, FOUNDATIONS

THE WORLD TRADE CENTER

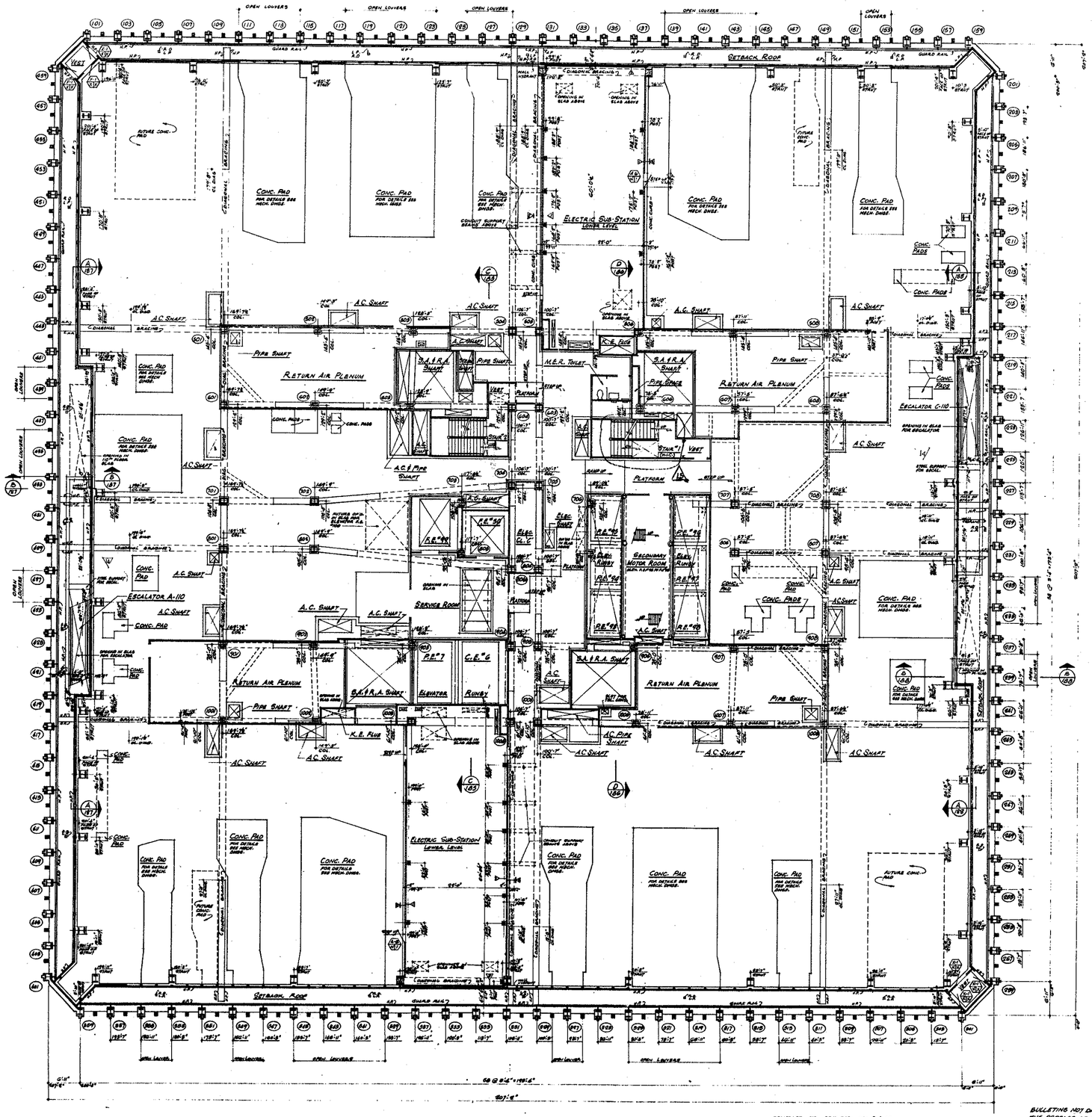
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

TITLE: 107TH FLOOR CORE — OBSERVATION LEVEL

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·172		

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES & SCHEDULE OF DRAWINGS SEE DRAWING A-B-10 TO A-B-16.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DWG. A-B-176.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO 1ST FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISH FLOOR ELEVATION (70'-0") TOP OF SLAB ELEVATION (-0 2") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 8'6" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

MECHANICAL EQUIPMENT ROOM
LOWER LEVEL

NOTES:

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 4" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (68'-8") AT ALL CURBS. SEE TYPICAL DETAILS ON DWGS A-B-207 & A-B-216.
3. FOR DETAILS OF CONC. PADS FOR MECHANICAL EQUIPMENT SEE DWG. A-B-176.
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE M.V.A.C. & PLUMBING CONTRACTORS DWGS.
5. PROVIDE 12" ALUM. CHANNEL SUPPORT OVER ALL PAN & DUCT OPENINGS IN PARTITIONS.
6. WHERE FINISHED FLOOR IS RAISED ABOVE (68'-10") FLOOR SHALL BE 4" CEMENT FINISH OVER 3000 P.S.I. DENSITY RIGID FOAM FILL.
7. PROVIDE 1" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.
8. PROVIDE TROLLEY BEAM, HOISTS AND LIFTING RINGS AS REQUIRED. SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS. FOR DETAIL OF LIFTING RING SEE DWG A-B-6.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

1/4"=1'-0" 0 4' 8' 16' 24'

CONTRACT	BID DRAWING	date 3-1-66			
			2	2-7-72	B-144	L.C.
			1	8-26-71	B-116	L.I.
			4	6-28-71	B-11	D.G.
			3	4-26-71	B-34	D.G.
			2	1-29-71	B-64	M.M.
4	9-29-70	B-177	R.C.	1	8-20-70	B-48	A.M.
3	1-17-74	B-165	L.I.	3	7-27-69	B-9	E.C.
2	6-19-73	B-109	D.S.	2	7-27-69	B-16	E.C.
1	VOID	B-199	D.S.	1	7-27-69	B-15	E.C.
0	2-7-72	B-145	L.C.	0	11-1-68	B-7	M.M.
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 108TH FLOOR PLAN
LOWER MECHANICAL EQUIPMENT ROOM

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·175		

AB-176

NORTH

Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWING "A-A-1 TO A-A-6."
2. FOR COMPLETE "G" SCALE FLOOR PLAN SEE DWG. "A-B-176."
3. ALL ELEVATIONS GIVEN THUS (± 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATIONS (± 0'-0") TOP OF SLAB ELEV. (-0'-2") UNLESS OTHERWISE SHOWN ON NOTED.
6. FOR TYPICAL STAIR DETAILS SEE DRAWINGS "A-AB-906 AND A-AB-905."
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3/4" NOMINAL (3/4" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS.
8. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (+0'-8") UNLESS OTHERWISE SHOWN OR NOTED.

Mechanical Equipment Room

Notes

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT OVER.
2. TURN UP MEMBRANE WATERPROOFING AT ALL CURBS. SEE TYPICAL DETAILS DRAWINGS "A-AB-906 & A-AB-911."
3. FOR DETAILS OF CONCRETE PADS FOR MECHANICAL EQUIPMENT SEE DRAWING "A-AB-956."
4. FOR PIPE SIZE AND LOCATION OF CONCRETE PADS SEE H.V.A.C. AND PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE PLANK CHANNEL SUPPORTS OVER ALL MAJOR SHAFT OPENINGS IN PARTITIONS. SEE DETAILS ON DWG. "A-AB-916."
6. WHERE FINISH FLOOR IS RAISED ABOVE (+0'-0") FLOOR SHALL BE 6" CEMENT FINISH OVER HIGH DENSITY 6LB FOAM FILL.
7. PROVIDE 8" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.
8. PROVIDE TROLLEY BEAMS, TROLLEYS AND LIFTING RINGS AS REQUIRED. SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS FOR DETAIL OF LIFTING RING SEE DRAWING "A-B-0."

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
	5-22-70	B-68	A.R.
	5-22-70	B-68	A.R.
	9-29-69	B-81	L.J.
	9-29-69	B-112	E.C.
	9-29-69	B-118	E.C.
	9-29-69	B-119	E.C.
	9-29-69	B-120	E.C.
	9-29-69	B-113	E.C.
	11-1-68	B-7	M.M.
	5-1-68	B-6	R.T.H.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	9-23-76	B-277	W.G.
2	9-14-73	B-195	M.G.
3	5-3-72	B-168	L.C.
4	2-7-72	B-148	L.C.
5	11-23-71	B-136	L.C.
6	8-24-71	B-116	L.J.
7	8-24-71	B-116	L.J.
8	6-29-71	B-11	D.G.
9	1-21-71	B-84	M.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

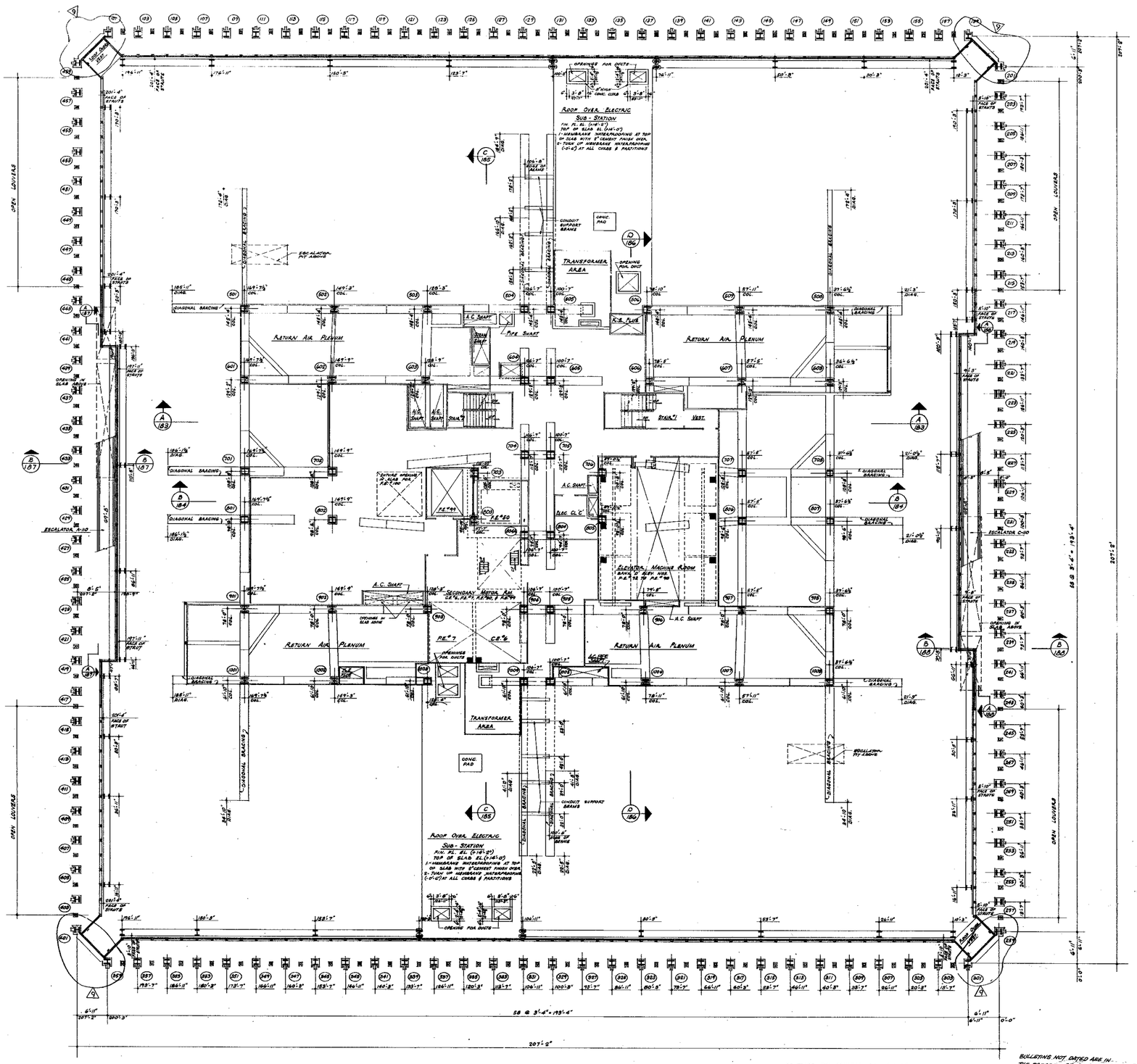
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 108TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM. LEVEL

DRAWN	L.M.M.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·176		

AB-177



NORTH

NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-6
2- FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING A-B-178.
3- ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO TOP OF SLAB
4- FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWING.
5- FOR TYPICAL STAIR DETAILS, SEE DRAWINGS A-B-206 & A-B-208
6- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, STAIR PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

MECHANICAL EQUIPMENT ROOM UPPER LEVEL

NOTES

1- PROVIDE PLANK CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS.
2- PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF SLAB ABOVE. FOR EXTENT SEE DETAILS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
4	4-10-68	B-209	D.G.
VOID	VOID	B-199	L.J.
5	5-24-71	B-116	D.T.
6	6-08-71	B-11	D.G.
7	6-08-71	B-59	D.G.
8	1-20-71	B-86	M.M.
9	9-29-69	B-13	A.T.H.
9	9-29-69	B-19	A.T.H.
11	11-1-68	B-7	M.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 109TH FLOOR PLAN
UPPER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-177		

AB-178

NORTH

ROOF OVER ELECTRIC SUB STATION
FIN. FL. EL. (114'-0")
TOP OF SLAB EL. (114'-0")
UNDERSIDE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER TOPS OF MEMBRANE WATERPROOFING (1'-0" AT ALL CURBS

TRANSFORMER AREA

RETURN AIR PLENUM

PIPE SHAFT

A.C. SHAFT

STAIR #2

STAIR #1

K.E. FLUE

VENT

ELEVATOR MACHINE ROOM

SECONDARY MOTOR ROOM

P.E. #7

C.E. #6

TRANSFORMER AREA

ROOF OVER ELECTRIC SUB-STATION
FIN. FL. EL. (148'-8")
TOP OF SLAB EL. (148'-0")
UNDERSIDE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER TOPS OF MEMBRANE WATERPROOFING (0'-6") AT ALL CURBS & PARTITIONS.

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES & SCHEDULE OF DRAWINGS SEE DRAWINGS A-B-1-30 & 31
2. FOR COMPLETE 1/8" SCALE PLAN SEE DRAWING A-B-1-17
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE GIVEN IN RELATION TO FINISH 108TH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL SUSPENDED CEILINGS ARE TAKEN IN RELATION TO 109TH FLOOR.
6. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-AB-2.06 & A-AB-2.08
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 9'-6" ABOVE FINISHED FLOOR.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER ½" NOMINAL (¾" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE INCLINED 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. TOP ELEVATION OF ALL CONC. CURBS TO BE (+0'-8") UNLESS OTHERWISE SHOWN OR NOTED

NOTES
1.- BOTTOM OF TROLLEY BEAM EL. (+) AS PER ELEVATOR SHOP DRAWINGS
2.- ⑤ INDICATES ⑤ OF TROLLEY BEAM SUPPORTS.
3.- TROLLEY BEAMS TO BE SUPPORTED FROM ABOVE WHERE SHOWN & ARRANGED BY STRUCTURAL ENGINEERS.

NOTES:
1.- PROVIDE PLANK CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG. A-AB-2.12
2.- PROVIDE 2" AUDIO INSULATION AT UNDERSIDE OF SLAB ABOVE. FOR EXTENT SEE DETAILS.

CONTRACT BID DRAWING date 3-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	5-3-76	B-168	L.J.
2	11-23-71	B-138	L.C.
3	6-28-71	B-116	L.J.
4	6-28-71	B-116	D.P.
5	6-28-71	B-11	D.G.
6	6-28-71	B-59	D.G.
7	1-31-71	B-84	M.R.
8	5-22-70	B-43	A.W.
9	9-29-69	B-18	R.T.H.
10	9-29-69	B-19	R.T.H.
11	9-29-69	B-19	R.T.H.
12	9-29-69	B-13	R.T.H.
13	9-29-69	B-13	R.T.H.
14	11-1-68	B-7	M.M.
15	8-1-68	B-6	R.T.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

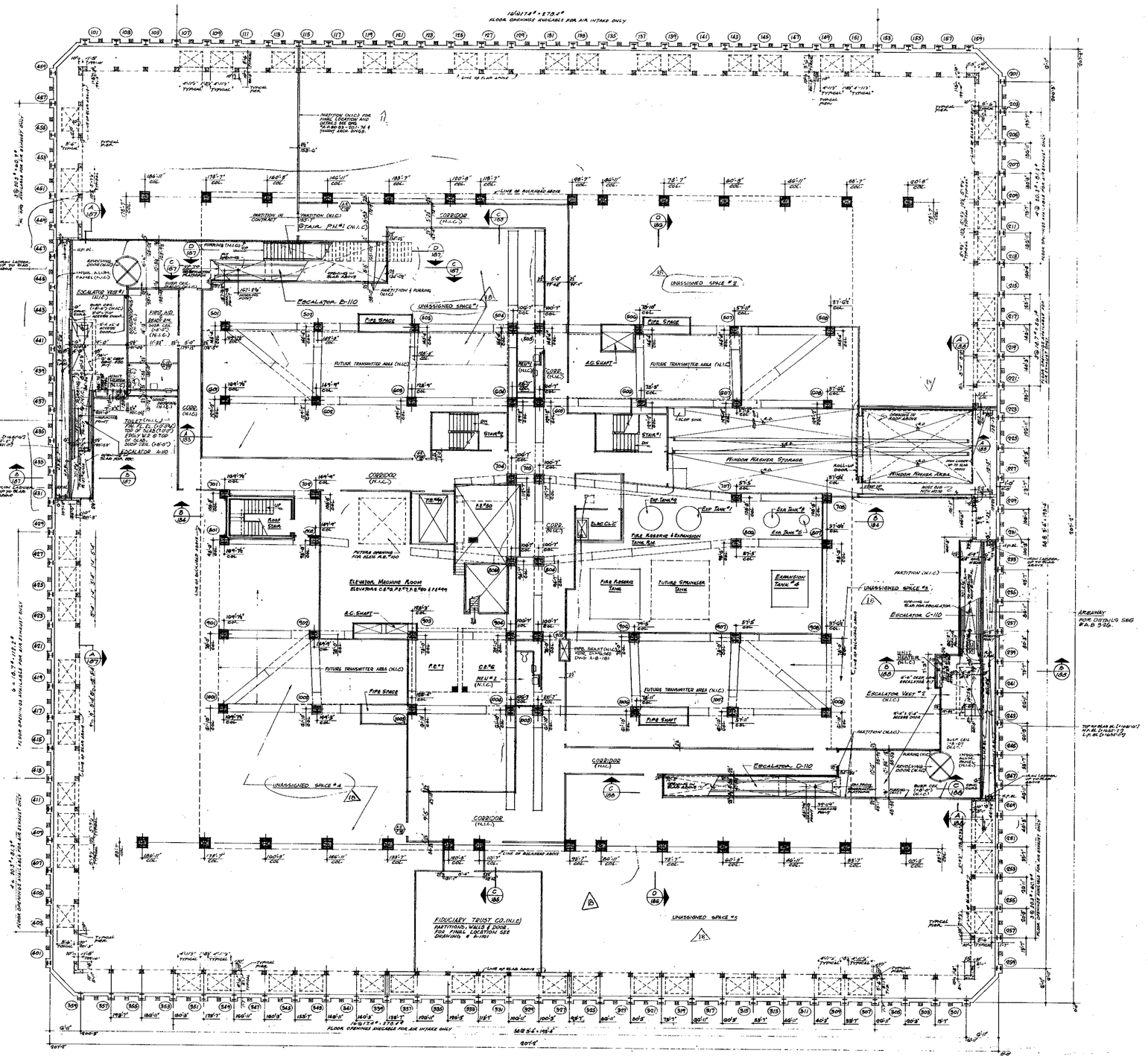
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 109TH FLOOR CORE PLAN
UPPER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-178		

AB-177

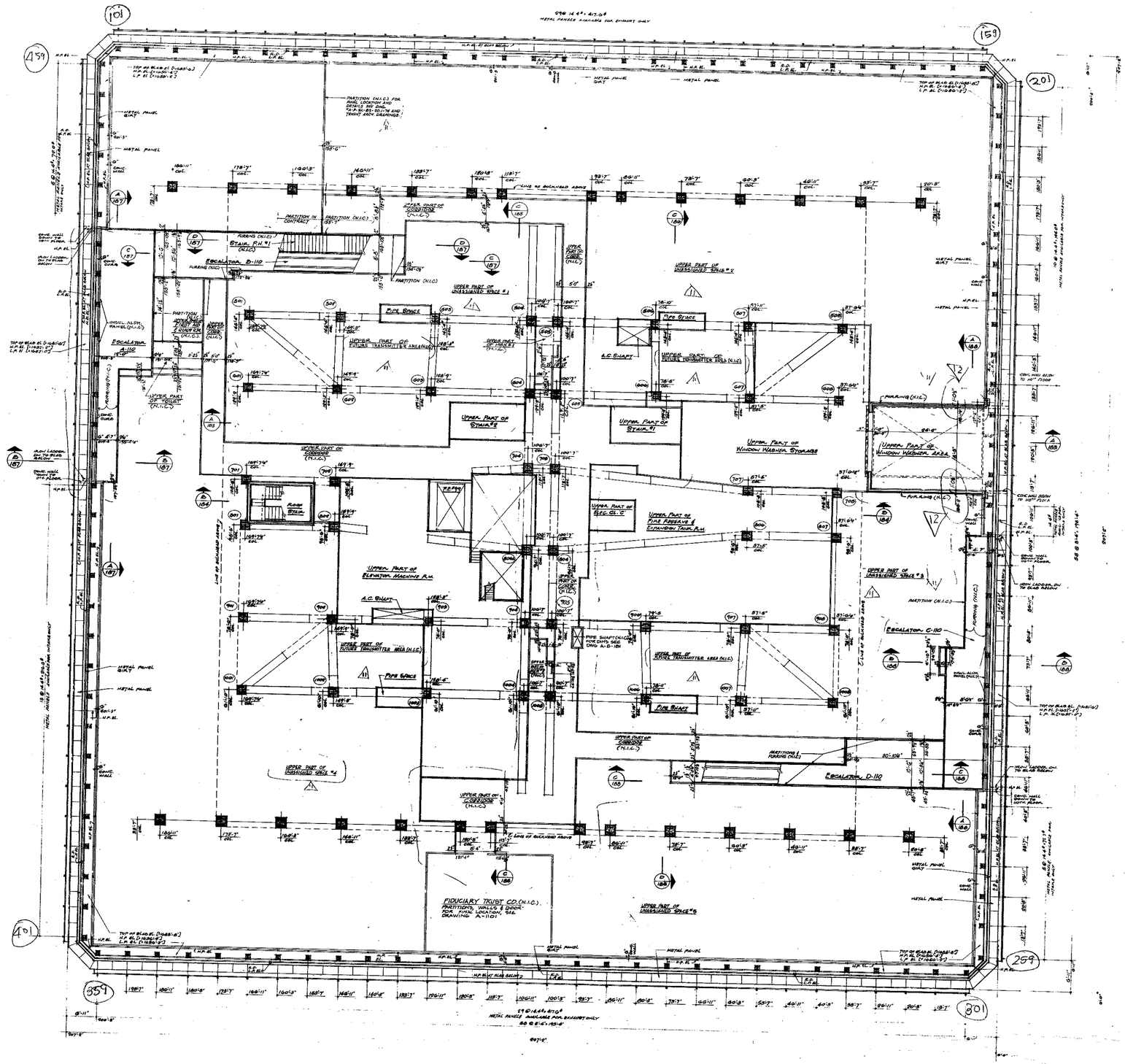


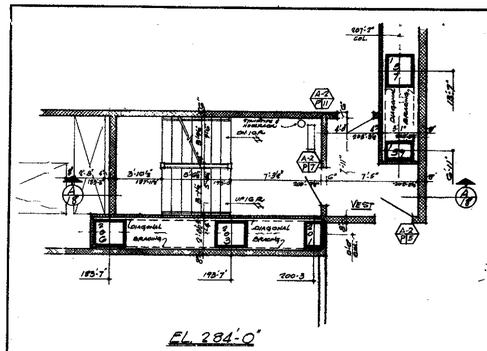
CONTRACT BID DRAWING date 5-1-68

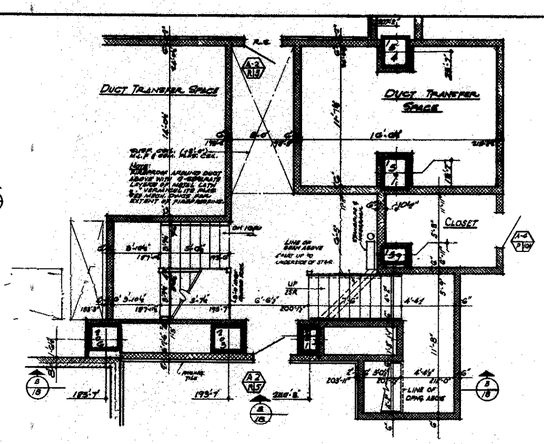
BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

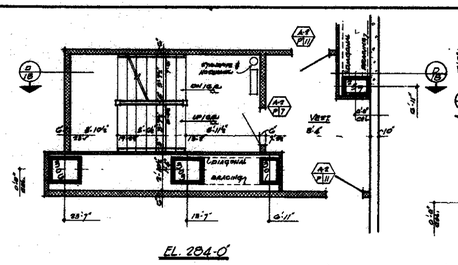
NO.	DATE	BUL. NO.	BY

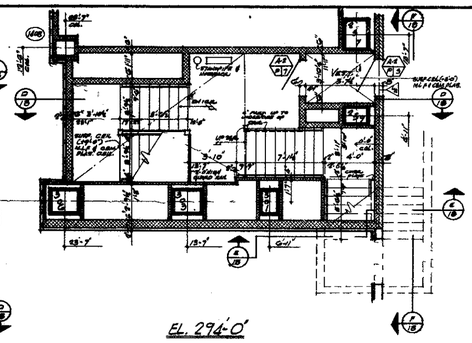
AB-179A

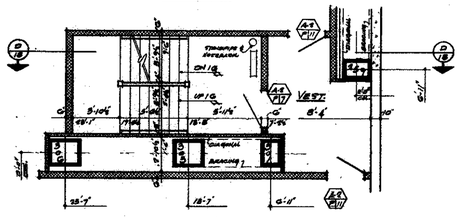

101
159
201
401
559
301
259
NORTH
EXCALATOR B-110
EXCALATOR A-110
EXCALATOR C-110
EXCALATOR D-110
STAIR F.H.# 1 (N.I.C.)
PIPE SPACE
A.C. SHAFT
UPPER PART OF STAIR #2
UPPER PART OF STAIR #1
UPPER PART OF WINDOW WASHER STORAGE
UPPER PART OF WINDOW WASHER AREA
UPPER PART OF ELEC. CLOSET C
UPPER PART OF FILE RELEASE & EXPANSION TANK R.M.
UPPER PART OF ELEVATOR MACHINE R.M.
UPPER PART OF UNASSIGNED SPACE #1
UPPER PART OF UNASSIGNED SPACE #2
UPPER PART OF UNASSIGNED SPACE #3
UPPER PART OF UNASSIGNED SPACE #4
UPPER PART OF UNASSIGNED SPACE #5
UPPER PART OF UNASSIGNED SPACE #6
UPPER PART OF UNASSIGNED SPACE #X
UPPER PART OF TOILET (N.I.C.)
UPPER PART OF CORRIDOR (N.I.C.)
UPPER PART OF FUTURE TRANSMITTER AREA (N.I.C.)
FIDUCIARY TRUST CO. (N.I.C.), PARTITIONS, WALLS & DOOR: FOR FINAL LOCATION, SEE DRAWING A-1.1101
PARTITION (N.I.C.) FOR FINAL LOCATION AND DETAILS SEE DWG. "A.P.-B1-B2-B3-1/4" AND TENANT WORK DRAWINGS
PARKING (N.I.C.)
METAL PANEL
METAL PANEL GIRT
PIPE SHAFT (N.I.C.) FOR DWG. NOS. SEE DWG. "A.P.-B1-B2-B3-1/4"
TOP OF SLAB EL. (+)1.0.0'-0"
H.P. EL. (+)1.0.0'-0"
L.P. EL. (+)1.0.0'-0

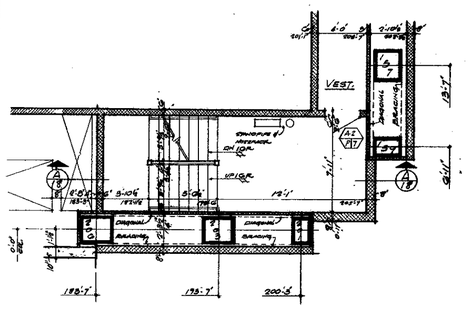


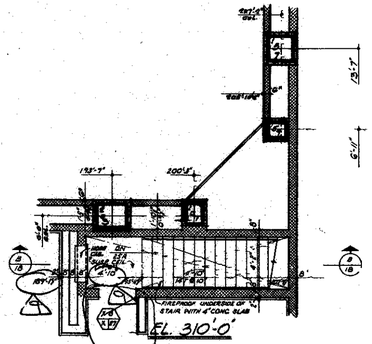


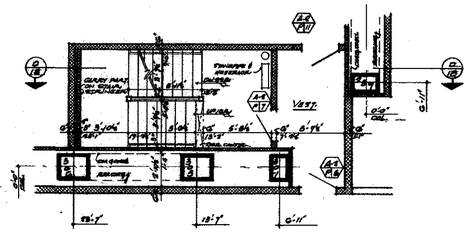


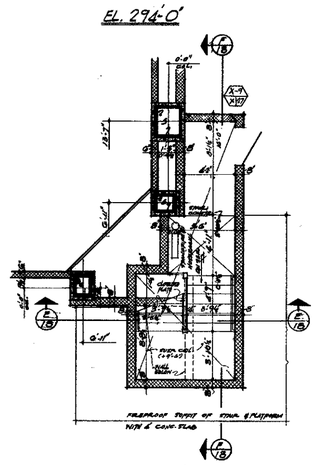


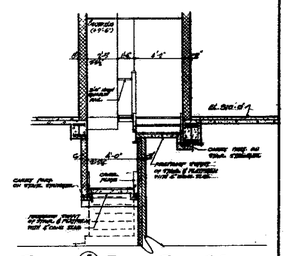


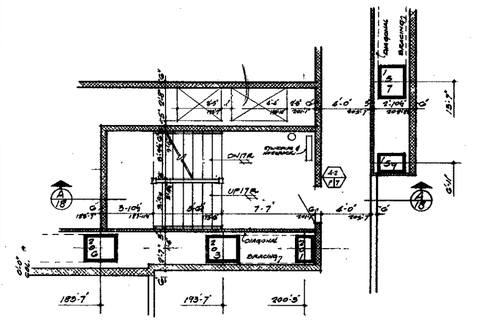


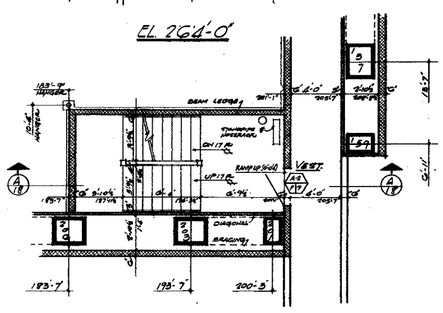


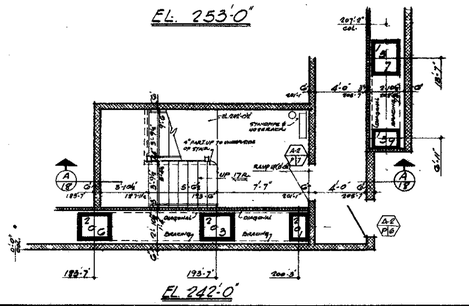


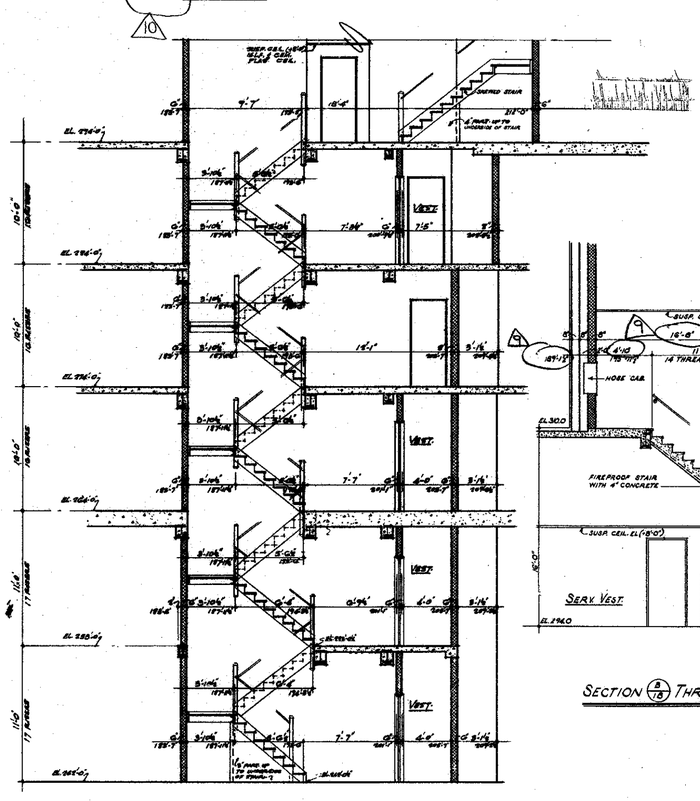


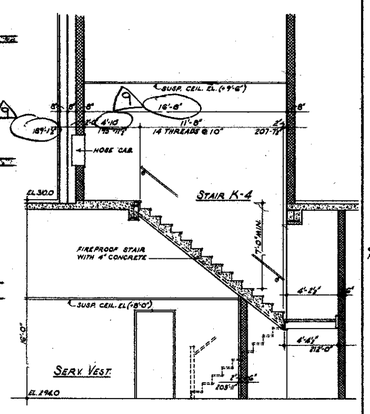


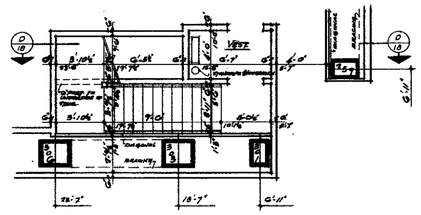


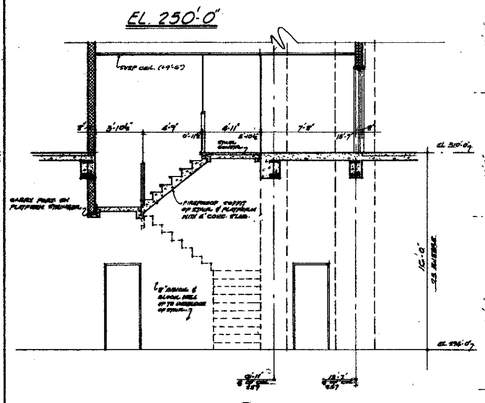


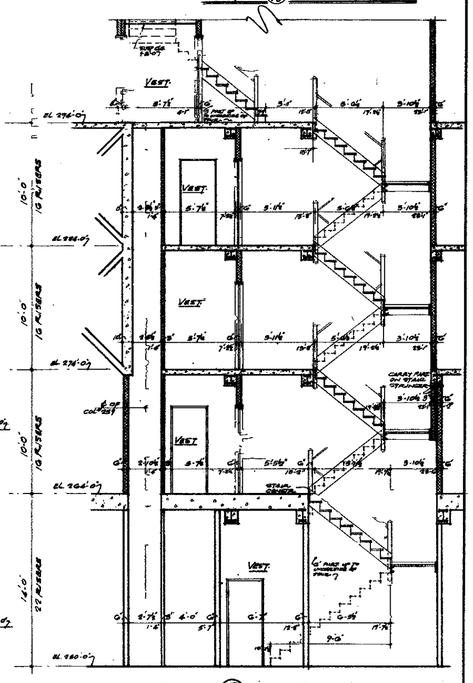












NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-0.1 TO A-0.4.
2. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS. A-18-104 & A-18-105
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 6'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE PERIMETER WALL OF TOWER SHOWN UNHATCHED IS IN A SEPARATE CONTRACT, BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED FLOORS IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS OUTSIDE OF TOWER ARE FOR COORDINATION ONLY.
6. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE LAID IN LINE OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	9-17-70	B-678	U.K.
2		B-745	L.C.
3	11-23-71	B-784	L.C.
4	11-24-76	B-78	D.G.
5	5-27-70	B-50	L.H.
6	5-28-70	B-49	A.H.
7	9-29-69	B-69	D.G.
8	9-27-69	B-13	E.R.C.
9	8-1-68	B-8	K.T.H.
10	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

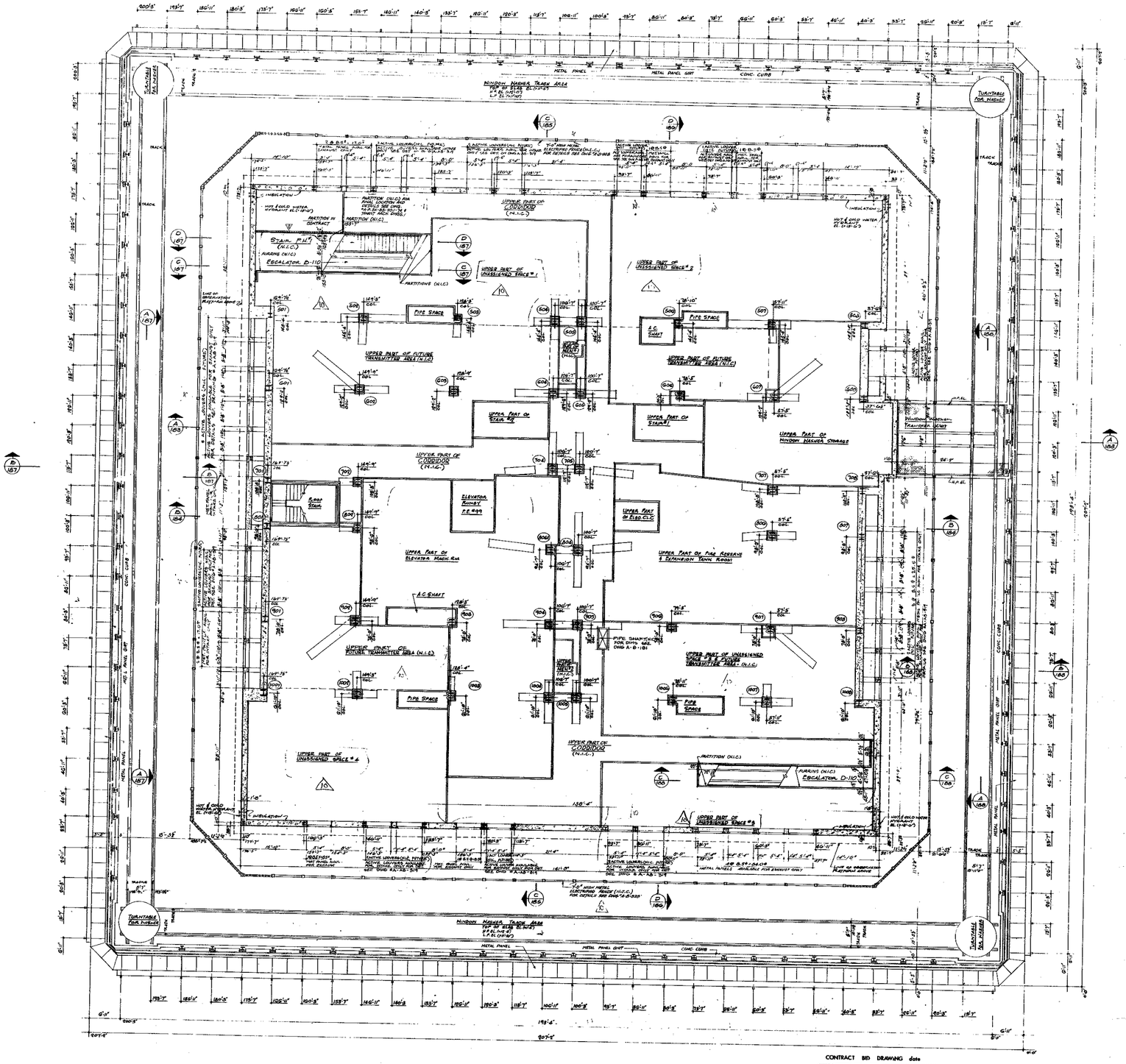
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0"

TITLE: STAIR SECTION
STAIRS K-4 & K-5

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·18		

AB-180



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DWGS. A-B-1 TO A-B-6
2. ALL ELEVATIONS GIVEN THUS (0.0') ARE TAKEN IN RELATION TO 110TH FLOOR
3. FOR COMPLETE 8" SCALE CORE PLAN SEE DRAWING "A-B-181
4. FOR MECHANICAL & ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICALS STAIR DETAILS SEE DRAWINGS "A-AB 204 & A-AB-203
6. FOR WINDOW WASHER TRACK SUPPORTS, TURNTABLE SUPPORTS & TURNTABLE SEE STRUCTURAL ENGINEERS & WINDOW WASHER CONTRACTORS APPROVED SHOP DRAWINGS.
7. ALL ELEVATIONS GIVEN THUS (0.0'-0") ARE IN RELATION TO DATUM OF BUILDING.

LOCATION	AIR INTAKE				AIR EXHAUST			
	FLOOR OPENINGS		ROOF OPENINGS		FLOOR OPENINGS		ROOF OPENINGS	
	NUMBER	TOTAL AREA	NUMBER	TOTAL AREA	NUMBER	TOTAL AREA	NUMBER	TOTAL AREA
110TH FL.	32	576.0 SF	—	—	28	467.0 SF	—	—
110TH FL. UPPER LEVEL AT EL. (0'-0")	—	—	20 @ 14.4 SF	518.4 SF	—	—	560 @ 1.4 SF	886.2 SF
110TH FL. UPPER LEVEL AT EL. (14'-0")	—	—	6 @ 3.6 SF 4 @ 2.8 SF	36.0 SF 11.2 SF	—	—	91 @ 1.209 SF	155.90 SF

NOTES:

1. ALL FLOOR OPENINGS ARE 16.0 SQ. FT. UNLESS OTHERWISE SHOWN OR NOTED.
2. AIR ROOF OPENINGS ARE AT INNER WALLS 9.6 SQ. FT. AND AT OUTER WALLS 14.4 SQ. FT. UNLESS OTHERWISE SHOWN OR NOTED.
3. FLOOR OPENINGS AT NORTH AND SOUTH SIDES ARE FOR EXHAUST ONLY
4. FLOOR OPENINGS AT EAST AND WEST SIDES ARE FOR INTAKE ONLY
5. ALL FLOOR OPENINGS AND ROOF OPENINGS AT INNER WALLS NOT UTILIZED SHALL REMAIN AS PART OF THE STRUCTURAL CONC. SLABS
6. ALL PERIMETER FLOOR OPENINGS TO BE PROVIDED WITH GRATINGS, RAILINGS OR EQUIVALENT BY TENANTS.

CONTRACT BID DRAWING date

NO.	DATE	SUB. NO.	BY
A		B-276	I.M.
A	1-13-70	B-356	L.J.
A	10-9-70	B-356	L.B.
A	10-15-70	B-185	M.K.
A	10-22-70	B-183	M.K.
A	10-23-70	B-184	M.K.
A	3-9-71	B-104	L.C.
A	9-7-71	B-143	L.C.
A	11-29-71	B-182	L.J.
A	11-23-71	B-156	L.J.

REVISIONS

BUILDING NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 110TH FLOOR UPPER LEVEL PLAN (AT EL. 14'-0")

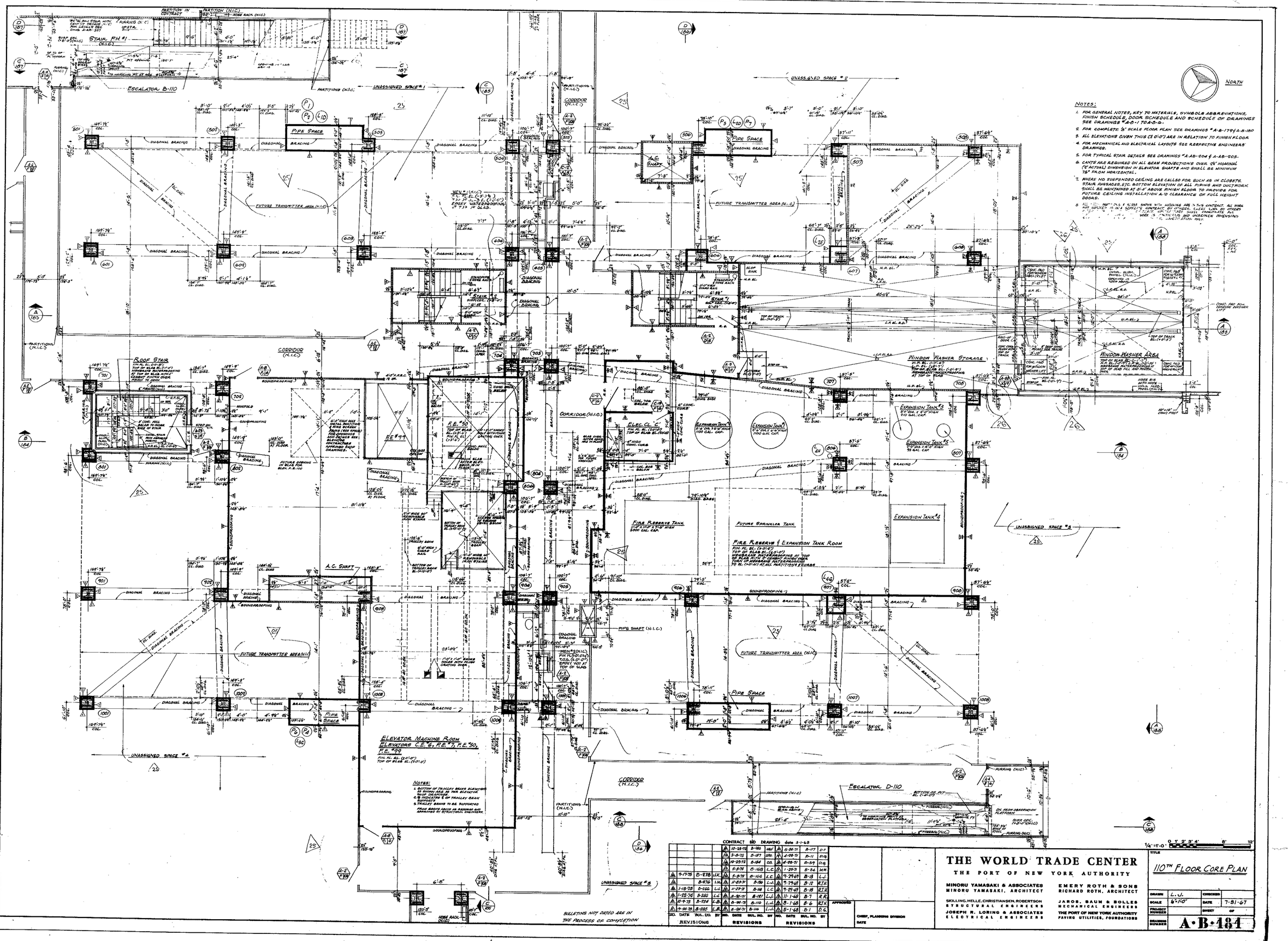
DRAWN | CHECKED

SCALE 1/8"=1'-0" | DATE 7-8-70

PROJECT NUMBER | SHEET OF

DRAWING NUMBER A-B-180

AB-184



CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
4	9-17-75	B-276	H.K.
3		B-276	I.H.
2	1-18-73	B-220	L.J.
1	12-13-72	B-220	L.J.
0	10-9-72	B-224	L.B.
	9-26-72	B-220	L.B.

REVISIONS

NO.	DATE	BUL. NO.	BY
10	10-25-72	B-180	LBL
9	5-5-72	B-183	LBL
8	10-22-71	B-184	DS
7	5-3-71	B-168	L.C.
6	5-3-71	B-166	L.C.
5	11-23-71	B-116	L.J.
4	6-22-71	B-181	L.J.
3	6-14-71	B-119	L.J.
2	6-28-71	B-114	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
6	6-24-71	B-117	D.F.
5	4-28-71	B-111	D.S.
4	4-28-71	B-59	D.S.
3	1-29-71	B-54	W.M.
2	9-29-69	B-13	L.J.
1	9-29-69	B-12	R.T.H.
0	9-29-69	B-18	R.T.H.
8	11-1-68	B-7	R.R.
7	8-1-68	B-6	R.T.H.
6	5-1-68	B-1	D.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

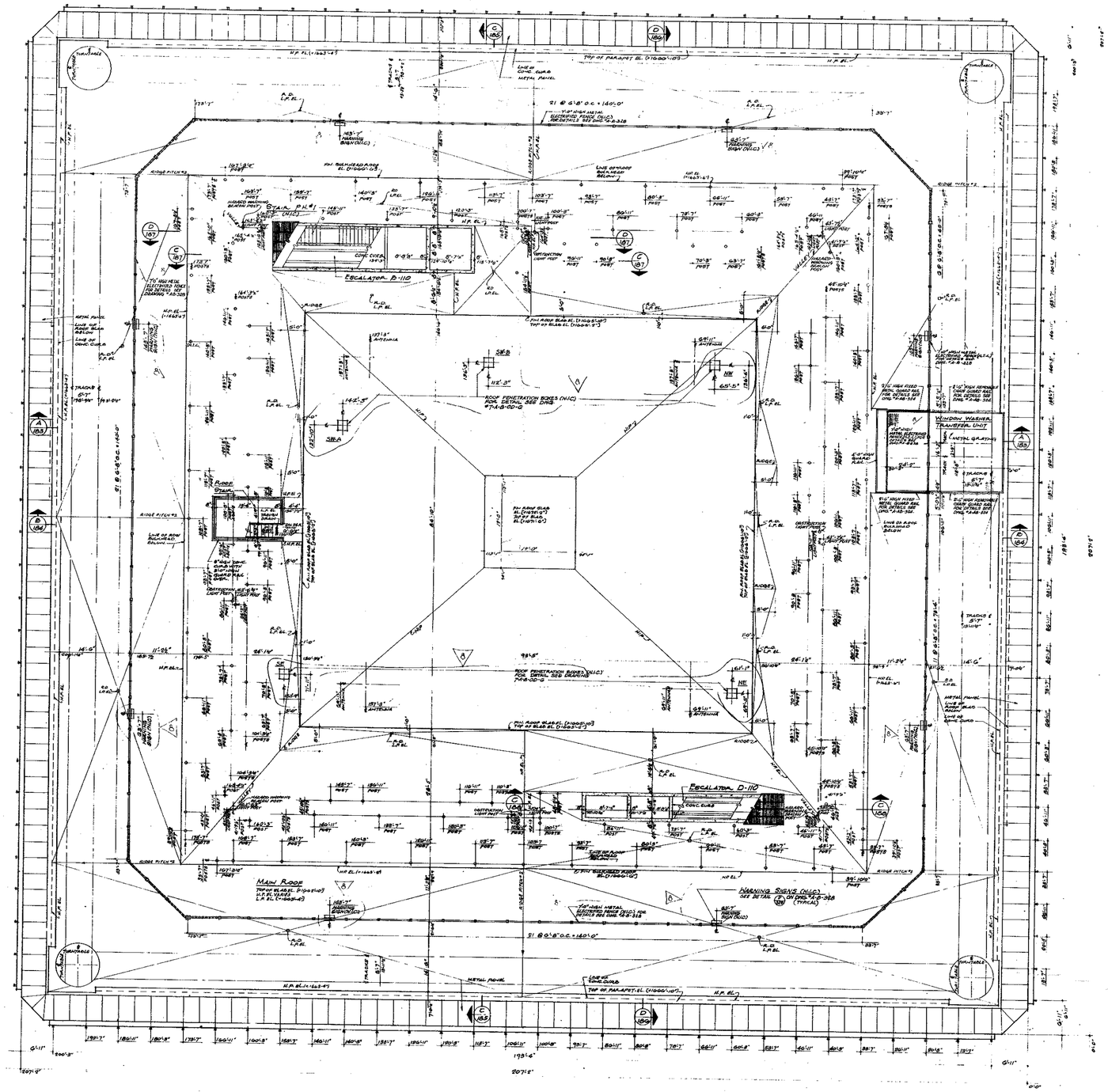
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 110TH FLOOR CORE PLAN

DRAWN	L.J.	CHECKED	
SCALE	1/4"-1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-184		

AB-182



NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SEQUENCE OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-9.
2. ALL ELEVATIONS GIVEN THUS (00'-0") ARE IN RELATION TO FINISH 110TH FLOOR.
3. ALL ELEVATIONS GIVEN THUS [00'-0"] ARE IN RELATION TO DATUM OF BUILDING.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL ELEVATIONS GIVEN THUS {0.0'} ARE GIVEN IN RELATION TO BUILDING DATUM.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date	NO.	DATE	BUL. NO.	BY
				1	5-30-74	B-068	L.J.
				2		B-076	L.J.
				3	1-09-74	B-144	D.S.
				4	10-9-74	B-155	L.B.
				5	2-6-75	B-187	D.S.
				6	10-25-75	B-188	D.S.
				7	10-25-75	B-196	D.S.
				8	9-7-77	B-143	L.C.
				9	11-23-71	B-182	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: INTERMEDIATE BULKHEAD & ROOF DRAINAGE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	10-10-70
PROJECT NUMBER		SHEET	OF

DRAWING NUMBER: A-B-182

AB-182A

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-9
2. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH 110TH FLOOR
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO DATUM OF BUILDING
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. ALL ELEVATIONS GIVEN THUS (0'-0") ARE GIVEN IN RELATION TO BUILDING DATUM

PENTHOUSE ROOF PLAN

SCALE: 1/8" = 1'-0"

TYPICAL DETAIL

Note:

REINFORCED BARS ARE FURNISHED IN 60'-0" LENGTHS. EXPANSION JOINTS SHALL BE SPACED TO SUIT 5'-0" ON CENTERS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date	BULL. NO.	BY
			9-26-73	B-235	L.J.
			1-22-74	B-246	D.S.
			11-9-73	B-236	L.B.
			3-6-73	B-187	D.S.
			10-25-72	B-169	L.J.
			10-25-72	B-176	L.J.
			10-26-72	B-184	D.S.
			9-26-72	B-183	D.S.
		B-176	L.J.		
10-10-73	B-235	A.C.			

REVISIONS

NO.	DATE	BUL. NO.	BY
1	2-23-71	B-182	L.J.
2	2-23-71	B-184	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL, ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

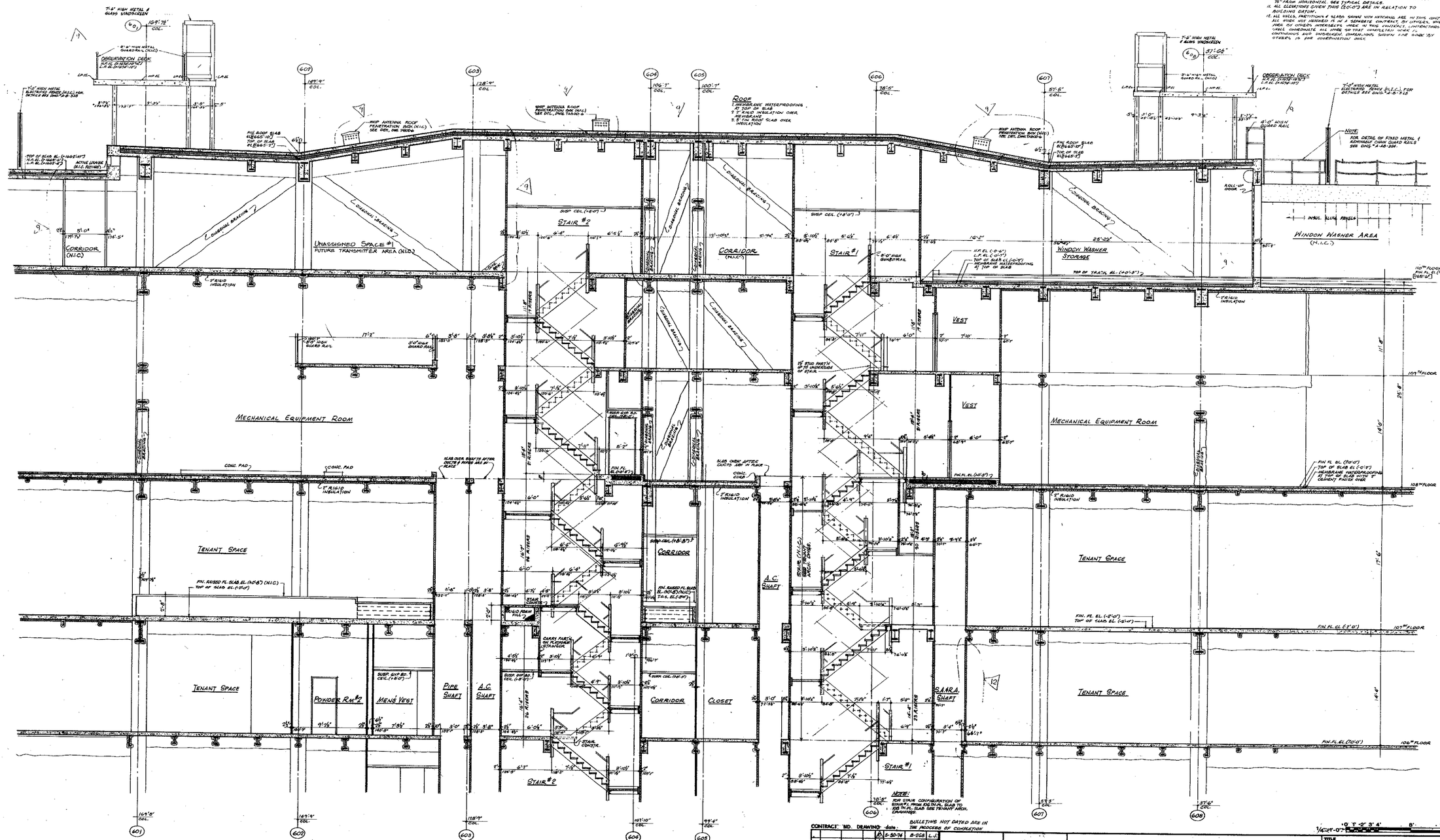
TITLE: BULKHEAD ROOF & COPING PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-182A		

AB-183

NOTES

1. FOR GENERAL NOTES, SEE TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A 0-1 TO A 0-5
2. FOR COMPLETE FLOOR PLANS SEE DRAWINGS A 0-100 TO A 0-103
3. ALL ELEVATIONS GIVEN THUS (70'0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A AB 204 & A AB 206
6. FINISH FLOOR & TOP OF SLAB ELEVATION ARE (-0'0") UNLESS OTHERWISE SHOWN OR NOTED.
7. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A AB 204 TO A AB 213
8. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A 0-116 TO A 0-118
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 11'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION & CLEARANCE OF FULL HEIGHT DOORS
10. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" NOMINAL (3" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° ANGLE HORIZONTAL SEE TYPICAL DETAILS
11. ALL ELEVATIONS GIVEN THUS (60'0") ARE IN RELATION TO BUILDING DATUM
12. ALL WALLS, PARTITIONS & SLABS SHOWN WITH HATCHING ARE, IN THIS CONTRACT ALL WORK NOT INDICATED IN AN A SIMILAR CONTRACT, BY OTHERS, WHERE WORK ITS OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN, EXPANSIONS SHOWN ARE WORK BY OTHERS, TO BE COORDINATED WORK.



NOTE: FOR SIMILAR CONFIGURATION OF SLABS AT FROM EXISTING SLAB TO 105TH FL. SLAB SEE TENANT ARCH. DRAWINGS.

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	SUB. NO.	BY
1	5-13-75	B-228	MB
2	9-23-76	B-277	K.M.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	5-30-74	B-208	L.J.
2		B-210	L.J.
3	10-10-73	B-204	A.C.
4	10-9-73	B-198	L.J.
5	10-25-72	B-188	DS
6	10-25-72	B-196	DS
7	10-25-72	B-186	DS
8	10-25-72	B-189	DS
9	5-2-72	B-150	L.C.
10	11-23-71	B-137	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0" 1'-0" 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION SECTION 'A'

DRAWN	E.P.C.	CHECKED	
SCALE	1/8"=1'-0"	DATE	6-4-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-183		

AB-184

NOTES
1- FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS FINISH SCHEDULE & DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING S 4.0-1 TO S 4.0-2.
2- FOR COMPLETE FLOOR PLAN SEE DRAWINGS A-B-109 TO A-B-184.
3- ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4- FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5- FINISH FLOOR, ELEVATION & TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, TOILET ETC. BOTTOM ELEVATION OF ALL PIPING & DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7- GANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 48" NOMINAL (46" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 150 FROM HORIZONTAL SEE TYPICAL DETAILS.
8- FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.B-1006 TO A-A.B-1019
9- FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A.B-1.16 TO A.B-1.19.
10- ALL ELEVATIONS GIVEN THUS (0'-0") ARE GIVEN IN RELATION TO BUILDING DATUM.
11- ALL WALLS, PARTITIONS & SLABS SHOWN WITH HATCHING ARE IN THIS CONTRACT. ALL WORK NOT HATCHED IS IN A SEPARATE CONTRACT BY OTHERS. NIBBS WORK BY OTHERS INTERFACES WORK IN THIS CONTR. CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR COORDINATION ONLY.

ROOF STAIR
UPPER PART OF MECHANICAL EQUIPMENT ROOM
MECHANICAL EQUIPMENT ROOM
TENANT SPACE
CLOSET
ELEVATOR MACHINE ROOM
SECONDARY MOTOR ROOM
CORRIDOR
ELEC. CL'C'
ELEVATOR SHAFT
ELEVATOR LOBBY
ELEVATOR RUNBY
ROOF
FIRE RESERVE & EXPANSION TANK ROOM
UNASSIGNED SPACE #3
ELEVATOR MACHINE RM.
SECONDARY MOTOR ROOM
MECHANICAL EQUIPMENT RM.
TENANT SPACE
107TH FLOOR
108TH FLOOR
109TH FLOOR
110TH FLOOR
100TH FLOOR
F.F.#99
F.F.#50

CONTRACT BID DRAWING date

NO.	DATE	SUB. NO.	BY
1	9-25-74	B-277	R.S
		B-296	L.J
2	10-10-75	B-296	L.C.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	1-22-74	B-240	L.J.
2	7-24-75	B-286	L.J.
3	10-7-75	B-296	L.B.
4	10-23-76	B-186	D.S.
5	10-25-76	B-175	D.S.
6	10-25-76	B-186	D.S.
7	10-25-76	B-183	D.S.
8	7-7-77	B-143	L.C.
9	7-22-77	B-188	L.J.
10	7-22-77	B-184	L.J.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

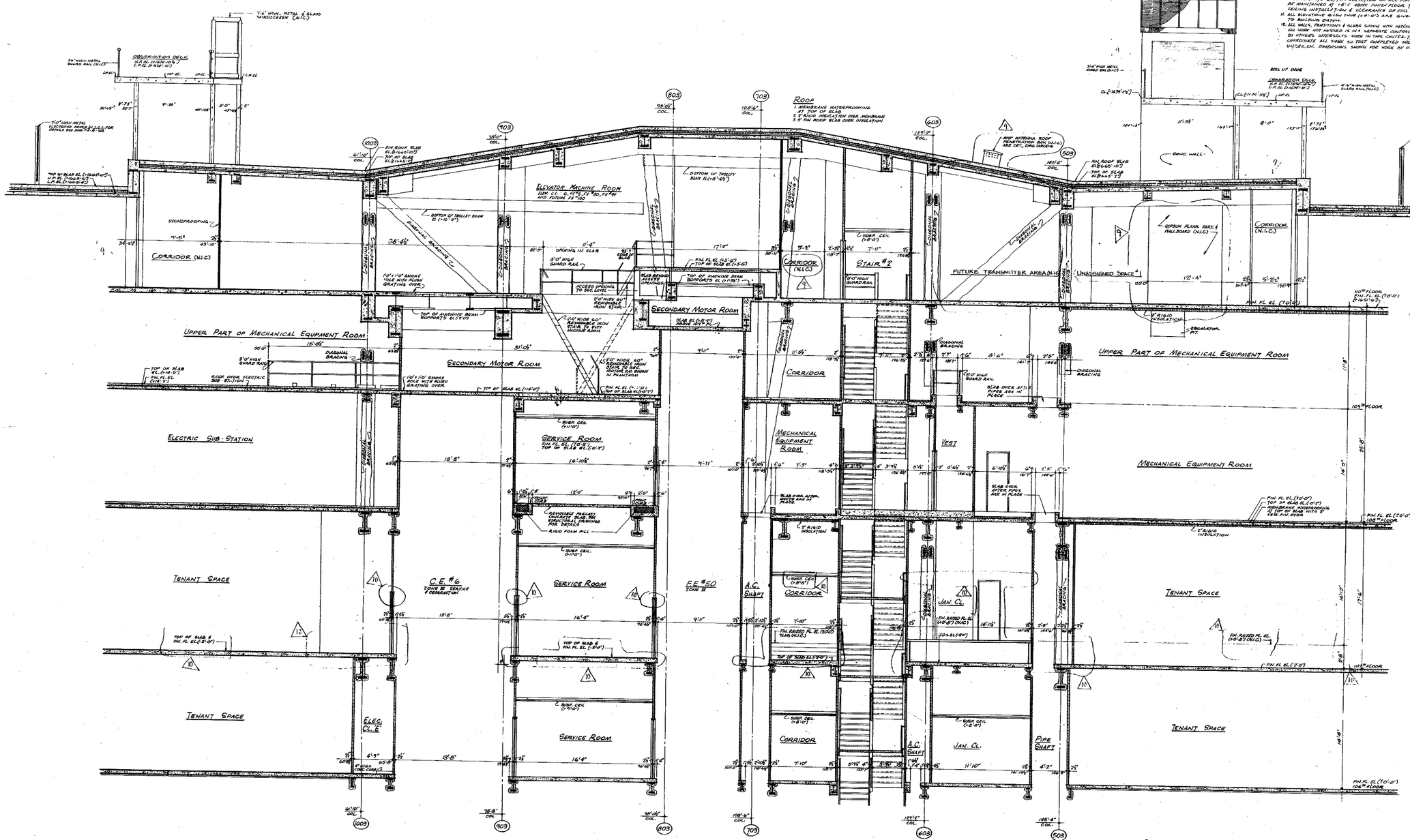
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

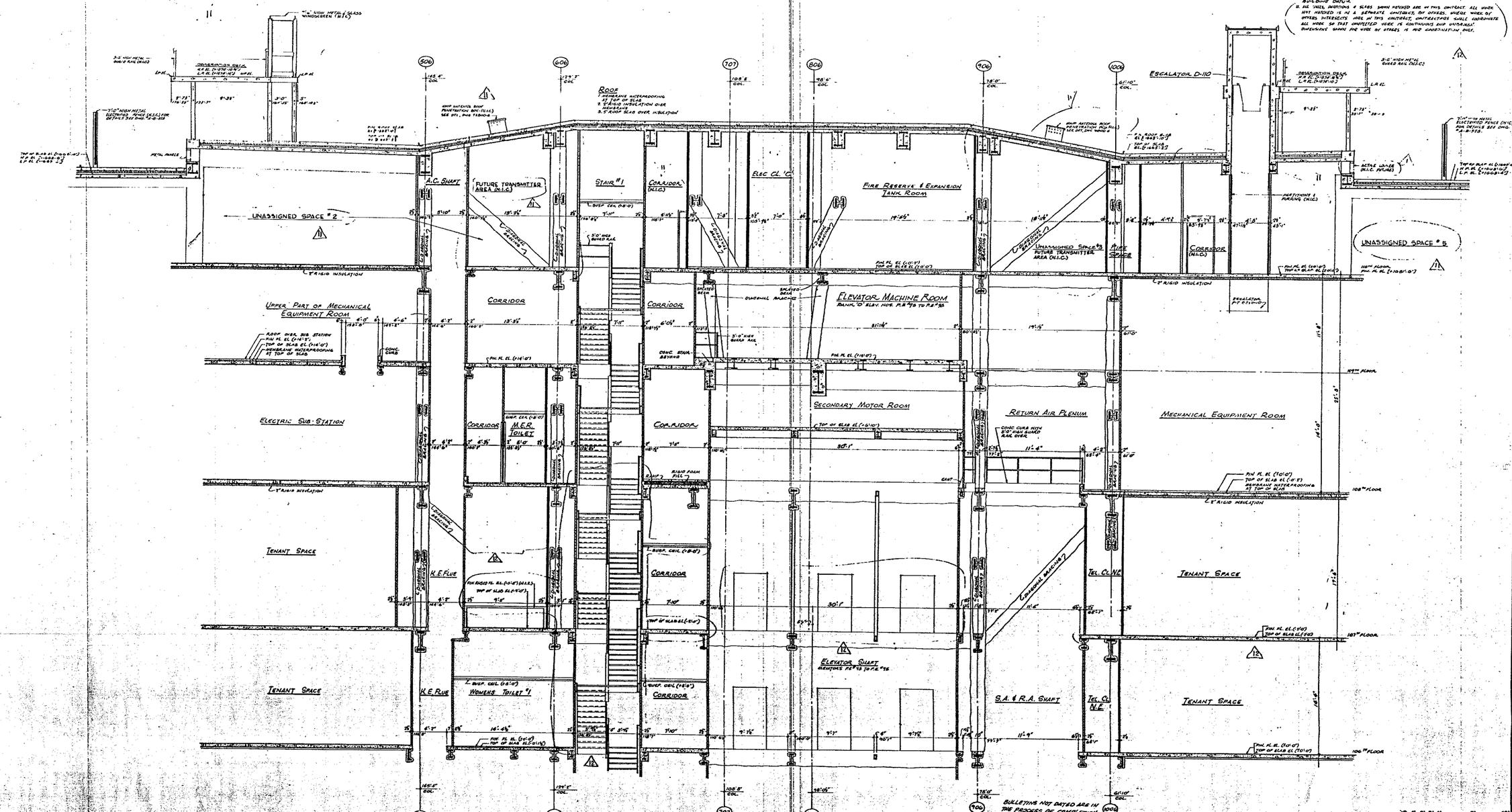
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION SECTION 'B'

DRAWN	R.T.H.	CHECKED	
SCALE	1/4"=1'-0"	DATE	JUNE 1, 1970
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·184		

AB-185


ROOF
1. MEMBRANE WATERPROOFING AT TOP OF SLAB
2. 3" RIGID INSULATION OVER MEMBRANE
3. 3" FIN ROOF SLAB OVER INSULATION
ELEVATOR MACHINE ROOM
SEE CT. G, FT, E, FE AND FD, FP'99 AND FUTURE FP'100
SECONDARY MOTOR ROOM
CORRIDOR (N.L.C.)
STAIR #2
FUTURE TRANSMITTER AREA (N.L.C.)
UNASSIGNED SPACE
UPPER PART OF MECHANICAL EQUIPMENT ROOM
ELECTRIC SUB-STATION
SERVICE ROOM
MECHANICAL EQUIPMENT ROOM
TENANT SPACE
C.E. #6
ZONE III SERVICE & DISTRIBUTION
F.E. #50
ZONE III
A.C. SHAFT
ELEC. CL. E
JAN. CL.
PIPE SHAFT
VEST
CORRIDOR
OBSERVATION DECK
ESCALATOR PIT.
BOLL UP DOOR
GYPSUM PLANK, FURR & WALLBOARD (N.L.C.)
7'-0" HIGH METAL ELECTRIFIED FENCE (N.L.C.) FOR DETAILS SEE DWG. TA-B-328
110TH FLOOR FIN. FL. EL. (710'-0")
109TH FLOOR
107TH FLOOR
103RD FLOOR
SOUNDPROOFING
DIAGONAL BRACING
CHANNEL BRACING
5" RIGID INSULATION
MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEM. FIN. OVER
SLAB OVER ACCESS TO MECH. EQUIP. ROOM
SLAB OVER AFT'R PIPES ARE IN PLACE
SLAB OVER AFT'R PIPES ARE IN PLACE
REMOVABLE PRECAST CONCRETE SLAB SEE STRUCTURAL DRAWING FOR DETAILS
RIGID FOAM FILL
5'-0" HIGH GUARD RAIL
3'-0" HIGH GUARD RAIL
42" HIGH METAL GUARD RAIL (N.L.C.)
7'-0" HIGH METAL ELECTRIFIED FENCE (N.L.C.) FOR DETAILS SEE DWG. TA-B-328
8'-0" HIGH GUARD RAIL
SLAB OVER AFT'R PIPES ARE IN PLACE
8'-0" HIGH CONC. CURB
FLOOR OPENING ELECTRIC DUCTS
OPENING IN SLAB
ACCESS OPENING TO SEC. LEVEL
2'-0" WIDE 60° REMOVABLE IRON STAIR TO SEC. MACHINE ROOM
2'-0" WIDE 60° REMOVABLE IRON STAIR TO SEC. MOTOR ROOM BELOW IN PLANTROOM
(10'-1"x10' ABOVE) POLE WITH FLUSH GRATING OVER
TOP OF MACHINE BEAM SUPPORTS EL. (+178')
TOP OF MACHINE BEAM SUPPORTS EL. (+170')
BOTTOM OF TROLLEY BEAM EL. (+10'-0")
BOTTOM OF TROLLEY BEAM EL. (+3'-0")
FIN. ROOF SLAB EL. (+1165'-10")
TOP OF SLAB EL. (+1165'-0")
FIN. ROOF SLAB EL. (+1165'-10")
TOP OF SLAB EL. (+1165'-0")
FIN. FL. EL. (+1165'-0")
TOP OF SLAB EL. (+1160



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-5
2. FOR CONCRETE FLOOR PLANS SEE DRAWINGS A-B-162 TO A-B-182
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR UNLESS OTHERWISE SHOWN OR NOTED
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE THE SAME UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL MAINS & DUCTWORK SHALL BE MAIN. USED AT 8'-8" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING HEIGHT AND CLEARANCE OR ALL HEIGHT UNDER
7. CAN'S ARE REQUIRED IN ALL BEAM PROJECTIONS OVER 15" NOMINAL (1'-4 1/2" ACTUAL) DIMENSION. 4 ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-B-204 TO A-B-213
9. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-B-178 TO A-B-179
10. ALL ELEVATIONS GIVEN THUS (+8'-0") ARE IN RELATION TO BUILDING DATUM.
11. ALL SHELL PARTITIONS & SLABS SHOWN HATCHED ARE IN THIS CONTRACT. ALL WORK NOT HATCHED IS IN A SEPARATE CONTRACT. OR OTHERS. WHERE BY OTHERS INTERFACES ARE IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM. DIMENSIONS SHOWN ARE WORK BY OTHERS IS FOR CONSTRUCTION ONLY.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date		
			10-10-75	A-165	J.C.
			6-1-78	A-184	L.D.
			10-25-76	A-185	L.J.
			10-25-76	A-178	L.J.
			10-25-76	A-184	L.J.
			10-25-76	A-189	L.J.
			5-2-78	A-168	J.C.
			11-23-76	A-183	L.J.
9-25-74	A-177	R.S.	4-23-76	A-114	L.J.
A-176	L.J.		6-26-71	A-177	L.J.

REVISIONS (NO. | DATE | SUB. NO. | BY)

REVISIONS (NO. | DATE | SUB. NO. | BY)

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

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MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

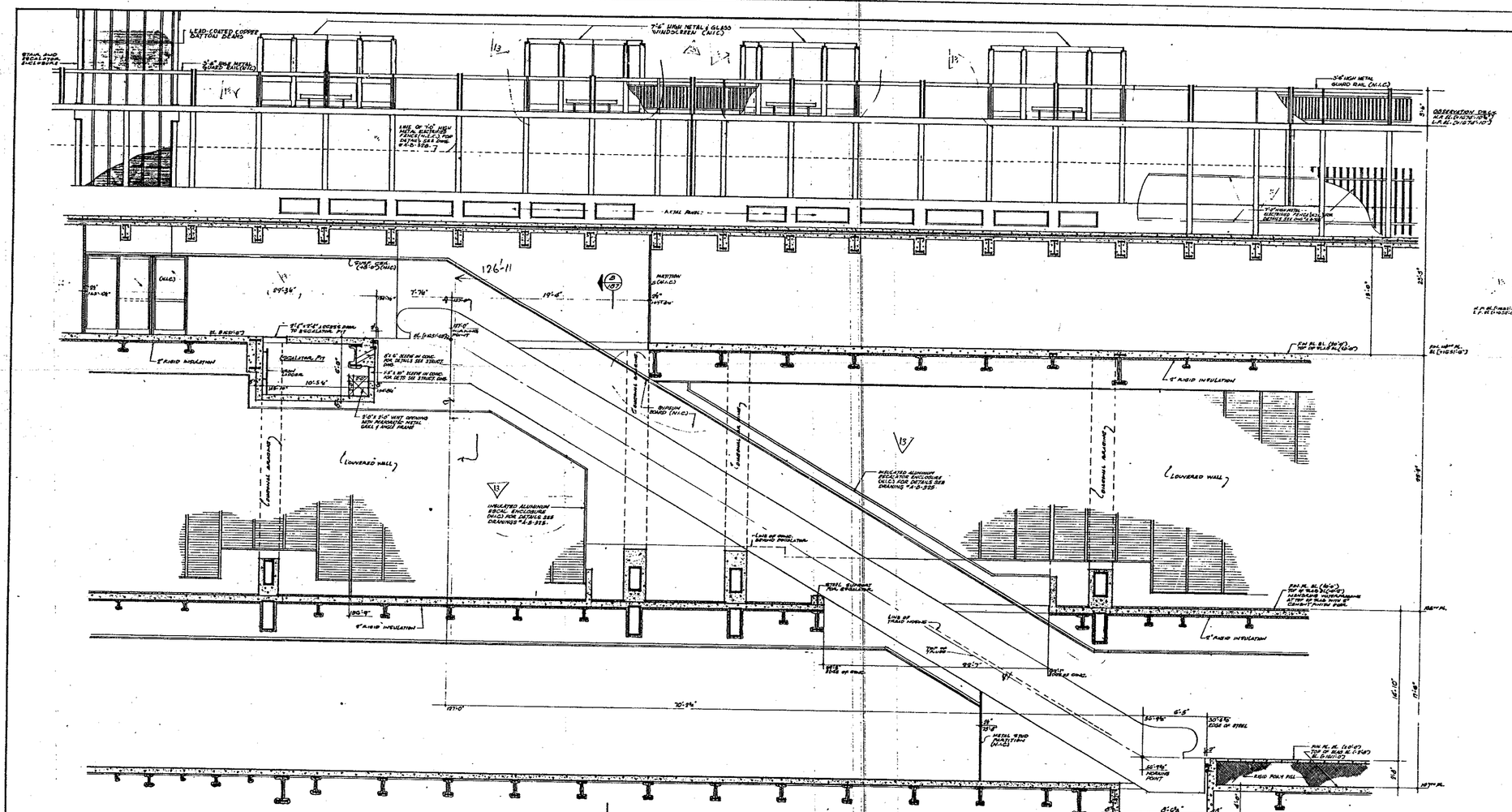
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

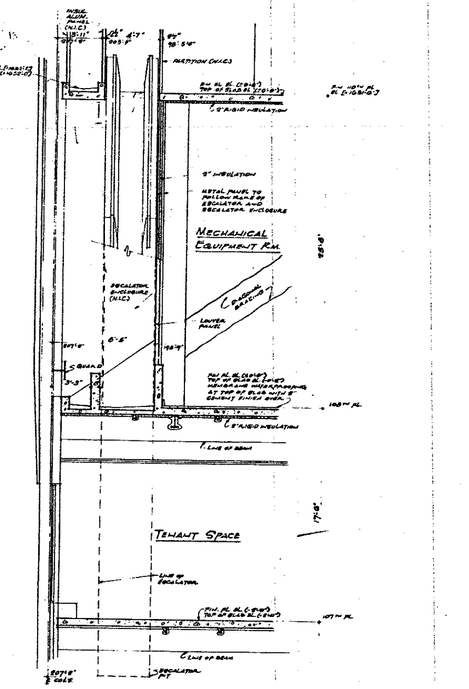
TITLE: TOWER SECTION SECTION 'D'

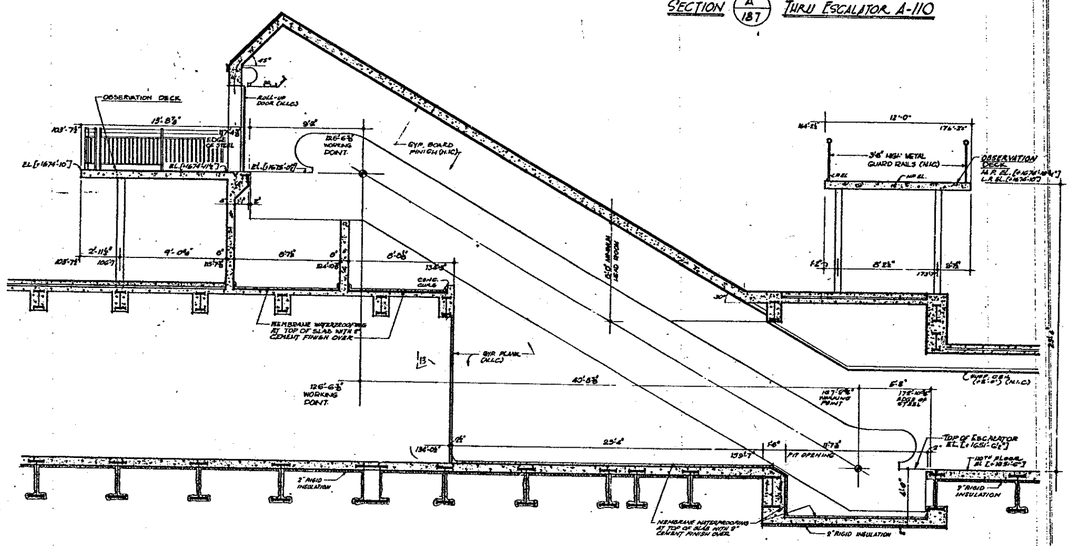
DRAWN	E.P.C.	CHECKED	
SCALE	1/8"=1'-0"	DATE	6-16-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-186		

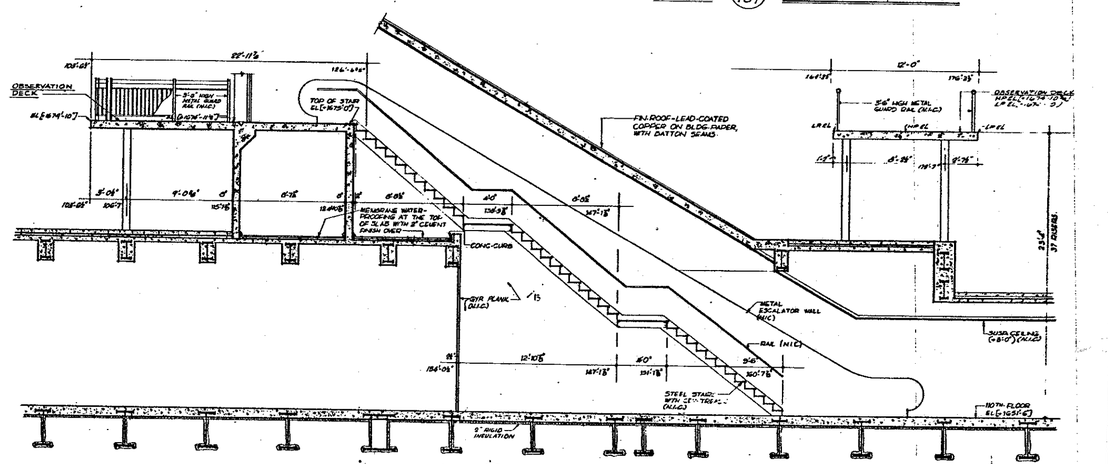
1/8"=1'-0" 0 1 2 3 4 8 12

AD-187









Notes

1- FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-5.

2- FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-B-100 TO A-B-130.

3- ALL ELEVATIONS GIVEN THUS [50'-0"] ARE IN RELATION TO FINISH FLOOR, UNLESS OTHERWISE SHOWN OR NOTED.

4- FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS

5- FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE THE SAME UNLESS OTHERWISE SHOWN OR NOTED.

6- FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-B-204 AND A-B-206

7- ALL ELEVATIONS GIVEN THUS [50'-0"] ARE IN RELATION TO BUILDING DATUM.

8- ALL WALLS, PARTITIONS & SLABS SHOWN WITH HATCHING ARE IN THIS CONTRACT. ALL WORK NOT HATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.

BULLETINS NOT DATED ARE IN THE PROCESS OF CONTRACT DOCUMENTS

CONTRACT	BID	DRAWING	date
		A	10-9-73 B-124 L.B.
		A	9-24-73 B-125 L.B.
		A	10-29-73 B-165 DE
		A	10-29-73 B-175 DE
		A	10-23-73 B-164 V.S.
		A	10-23-73 B-165 V.S.
A	7-13-73 B-206	L.J.	A 2-7-73 B-143 L.C.
A	B-216	L.J.	A 2-7-73 B-144 L.C.
A	10-10-73 B-205	A.C.	A 8-28-74 B-192 L.A.
A	11-13-74 B-245	L.J.	A B-26-74 B-116 D.T.

NO.	DATE	BUL. NO.	BY
REVISIONS			

NO.	DATE	BUL. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

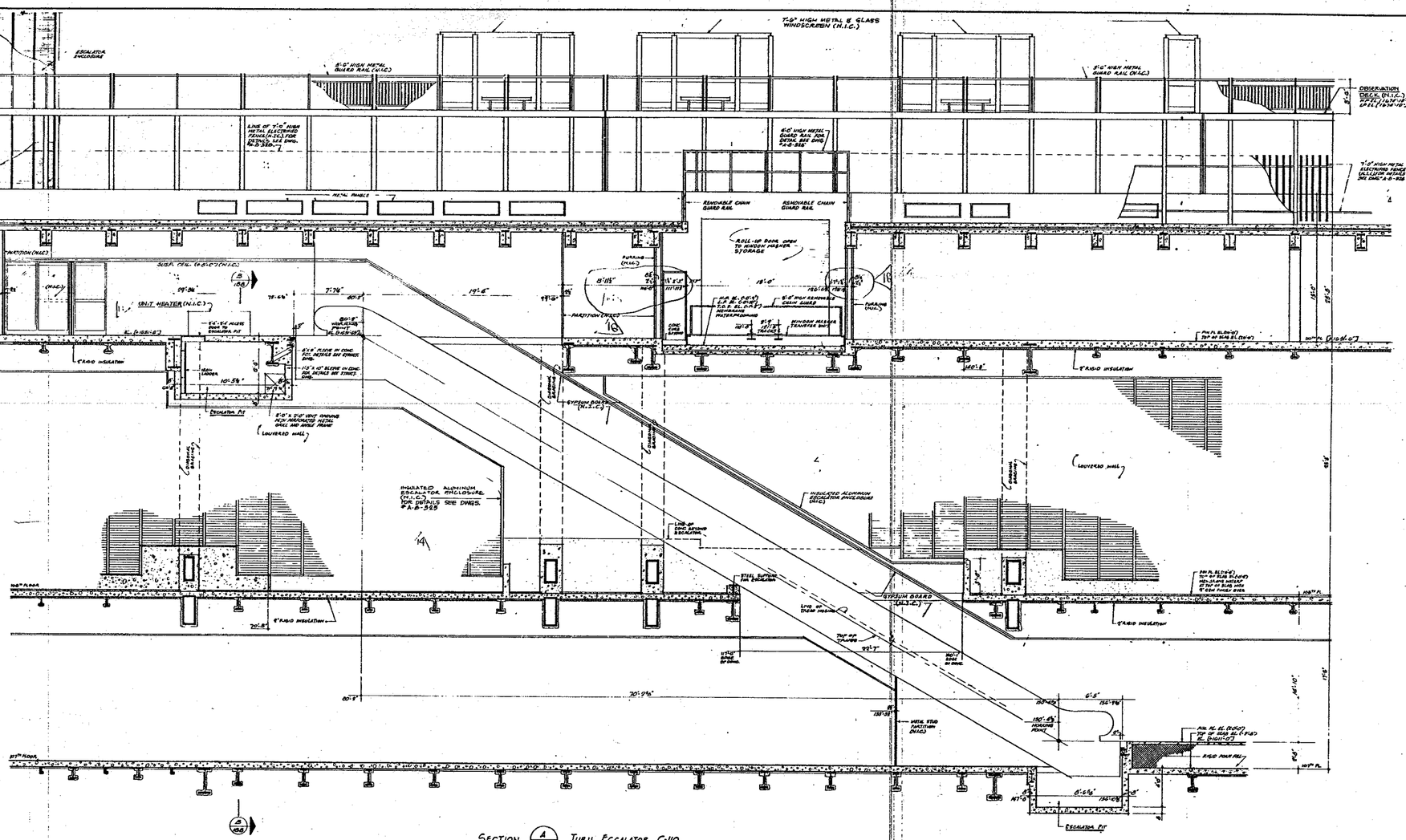
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

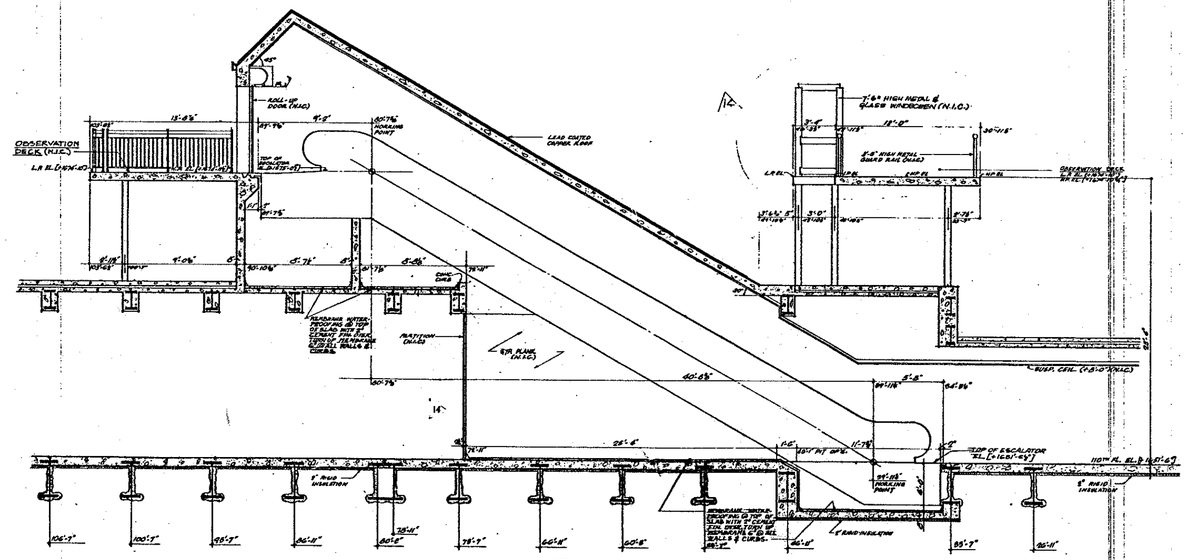
TITLE: SECTION THRU ESCALATORS A-110 & B-110 & STAIR PH#1

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	11-30-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-187		

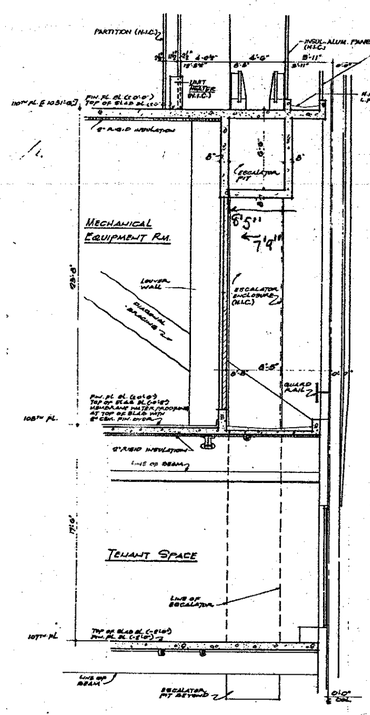
1/4"-1'-0" 0 1" 2" 3" 4" 6" 12"



SECTION (A/188) THRU ESCALATOR C-110



SECTION (C/188) THRU ESCALATOR D-110



SECTION (D/188) THRU ESCALATOR C-110

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES SEE DRAWINGS "A-B-1 TO A-B-8.
2. FOR COMPLETE FLOOR PLANS, SEE DRAWINGS "A-B-100 TO A-B-182.
3. ALL ELEVATIONS GIVEN THUS (E.L.0'-0") ARE IN RELATION TO FINISH FLOOR UNLESS OTHERWISE SHOWN OR NOTED.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE THE SAME UNLESS OTHERWISE SHOWN OR NOTED.
6. ALL ELEVATION GIVEN THUS [0'-0"] ARE IN RELATION TO BUILDING DATUM.
7. ALL WALL PARTITIONS & SLABS SHOWN WITH HATCHING ARE IN THIS CONTRACT. ALL WORK NOT HATCHED IS IN A SEPERATE CONTRACT, BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT NO.	BID DATE	DRAWING SUB. NO.	BY
7-17-70	8-27-70	B-218	J.K.
5-20-70	8-17-70	B-176	L.J
		B-178	L.J.
10-19-70	8-27-70	B-185	A.C.
1-11-71	2-25-71	B-240	L.J.
10-7-70	8-27-70	B-224	L.B.

REVISIONS NO.	DATE	SUB. NO.	BY
1	7-14-72	B-236	L.B.
2	10-25-72	B-255	D.S.
3	10-25-72	B-275	D.S.
4	10-26-72	B-256	L.J.
5	10-25-72	B-253	L.J.
6	2-7-73	B-264	L.C.
7	2-7-73	B-249	L.C.
8	2-23-73	B-262	L.J.
9	2-23-73	B-286	L.J.
10	4-26-73	B-252	D.T.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

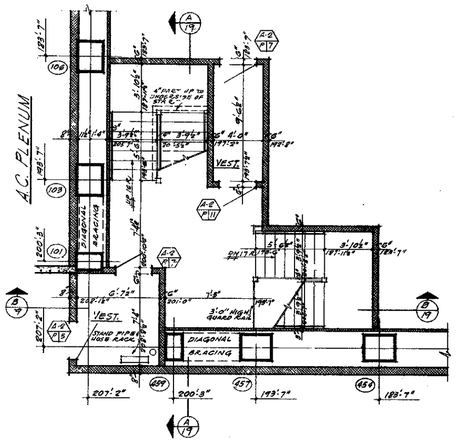
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

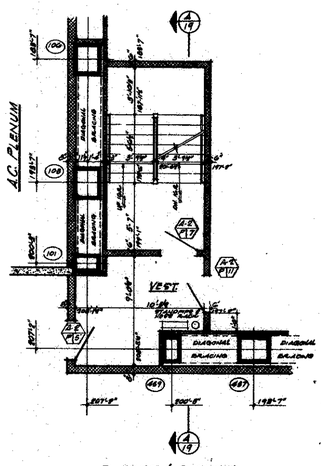
1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: SECTION THRU ESCALATORS C-110 & D-110

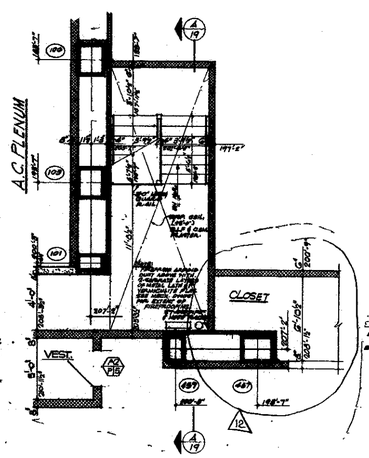
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	11-30-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-188		



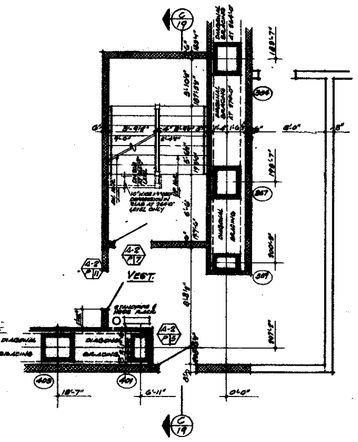
EL. 264'-0"



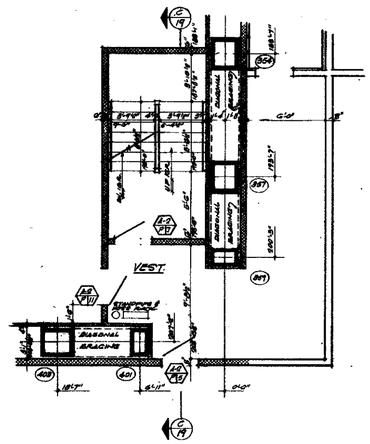
EL. 274'-0" & EL. 284'-0"



EL. 294'-0"



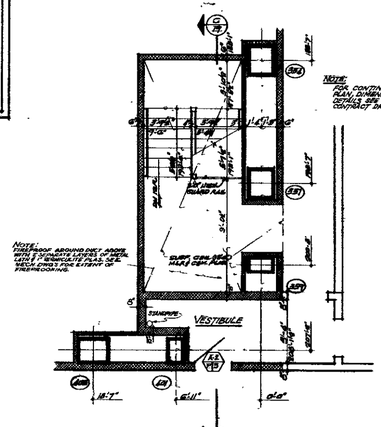
EL. 264'-0" & EL. 274'-0"



EL. 284'-0"

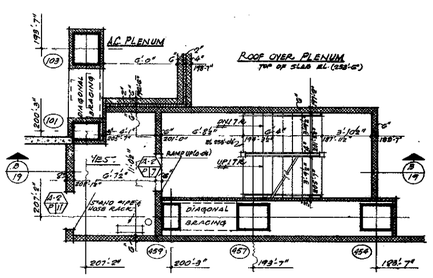
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A01 TO A-5-6
2. ALL ELEVATIONS GIVEN THUS (198'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWG # A-18-106 AND A-18-206
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE PERIMETER WALL OF TOWER, SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK, SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN ARE WORK BY OTHERS OUTSIDE OF TOWER, ARE FOR COORDINATION ONLY.
6. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

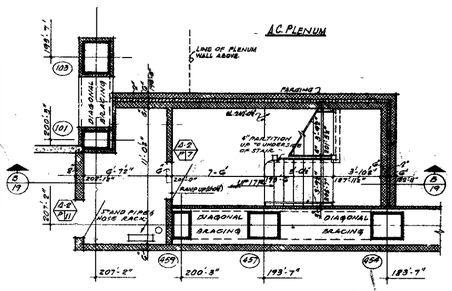


NOTE: FOR CONTINUATION OF FLOOR, DIMENSIONS AND DETAILS SEE SUB-GRADE CONTRACT DRAWINGS.

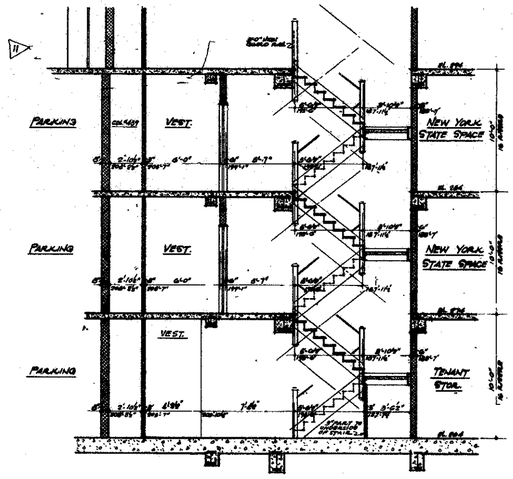
EL. 294'-0"



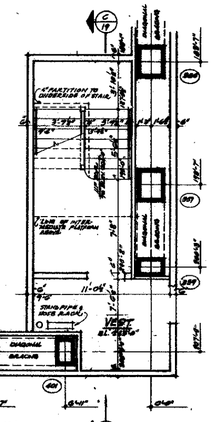
EL. 253'-0"



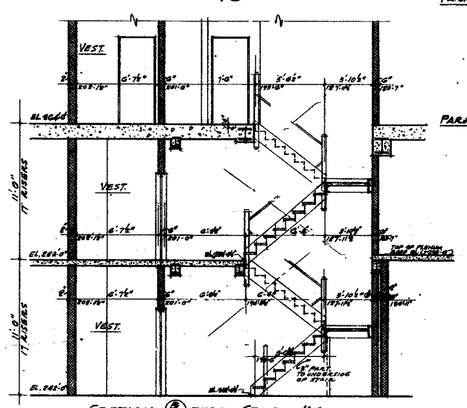
EL. 242'-0"



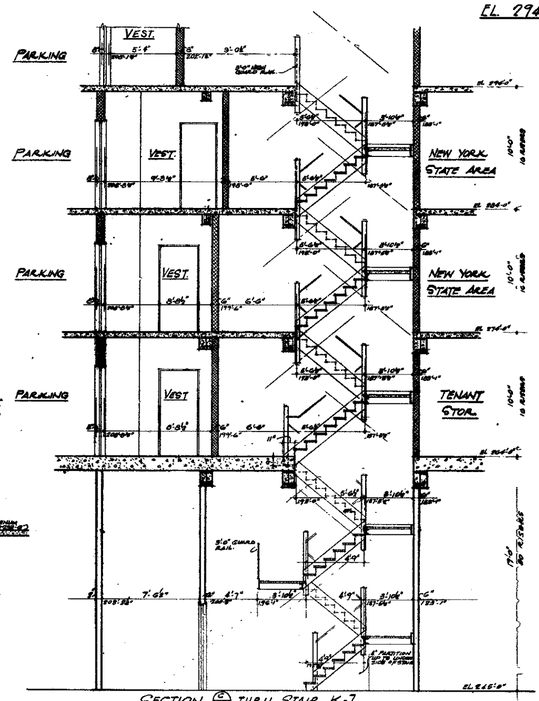
SECTION A/19 THRU STAIR K-G



EL. 216'-0"



SECTION B/19 THRU STAIR K-G



SECTION C/19 THRU STAIR K-J

1/16"=1'-0" 0 1' 2' 3' 4' 8' 12'

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING: date B-1-66
		1-28-74 B-846 L.U.
		1-31-74 B-961 L.U.
		10-9-73 B-228 C.G.
		1-6-71 D-74 LT
		5-11-70 B-50 L.U.
		5-11-70 B-46 A.W.
		9-24-69 B-19 D.G.
		9-29-69 B-13 E.P.C.
5-15-75	SG-305	C.G. 2-1-68 B-6 H.P.A.
5-15-75	SG-306	L.F. 5-1-68 B-1 D.G.

NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PLANS & SECTIONS
STAIRS K-G & K-J

DRAWN | CHECKED
SCALE: 1/4"=1'-0" | DATE: 7-31-07
PROJECT NUMBER | SHEET OF
DRAWING NUMBER: A·B·19

SCHEDULE OF DRAWINGS

STRUCTURAL

DWG. No.	TITLE
	TITLE SHEET
S-B-0	DRAWING INDEX
S-B-1	FOUNDATION PLAN
S-B-2	SUB-LEVEL No. 5 - ELEV. 242'-0"
S-B-3	FRAMING PLAN SUB-LEVEL No. 4 - ELEV. 253'-0"
S-B-4	FRAMING PLAN SUB-LEVEL No. 3 - ELEV. 264'-0"
S-B-5	FRAMING PLAN SUB-LEVEL No. 2 - ELEV. 276'-0"
S-B-6	FRAMING PLAN SUB-LEVEL No. 1 - ELEV. 284'-0"
S-B-7	FRAMING PLAN SERVICE LEVEL ELEV. 294'-0"
S-B-8	FRAMING PLAN FLOOR 1
S-B-9	FRAMING PLAN INTERMEDIATE LEVEL EL. 321'-0"
S-B-10	FRAMING PLAN FLOOR 2
S-B-11	FRAMING PLAN FLOOR 3
S-B-12	FRAMING PLAN FLOOR 4
S-B-13	FRAMING PLAN FLOOR 5
S-B-14	FRAMING PLAN FLOOR 6
S-B-15	FRAMING PLAN FLOOR 7
S-B-16	FRAMING PLAN FLOOR 8
S-B-17	FRAMING PLAN FLOOR 9
S-B-18	FRAMING PLAN FLOOR 10
S-B-19	FRAMING PLAN FLOOR 11
S-B-20	FRAMING PLAN FLOOR 12
S-B-21	FRAMING PLAN FLOOR 13
S-B-22	FRAMING PLAN FLOORS 14-16
S-B-23	UNASSIGNED
S-B-24	UNASSIGNED
S-B-25	FRAMING PLAN FLOOR 17
S-B-26	FRAMING PLAN FLOOR 18
S-B-27	FRAMING PLAN FLOOR 19
S-B-28	FRAMING PLAN FLOOR 20
S-B-29	FRAMING PLAN FLOORS 21-23
S-B-30	UNASSIGNED
S-B-31	UNASSIGNED
S-B-32	FRAMING PLAN FLOOR 24
S-B-33	FRAMING PLAN FLOOR 25
S-B-34	FRAMING PLAN FLOOR 26
S-B-35	FRAMING PLAN FLOOR 27
S-B-36	FRAMING PLAN FLOORS 28-31
S-B-37	UNASSIGNED
S-B-38	UNASSIGNED
S-B-39	UNASSIGNED
S-B-40	FRAMING PLAN FLOOR 32
S-B-41	FRAMING PLAN FLOOR 33
S-B-42	FRAMING PLAN FLOOR 34
S-B-43	FRAMING PLAN FLOOR 35
S-B-44	FRAMING PLAN FLOORS 36-38
S-B-45	UNASSIGNED
S-B-46	UNASSIGNED
S-B-47	FRAMING PLAN FLOOR 39
S-B-48	FRAMING PLAN FLOOR 40
S-B-49	FRAMING PLAN FLOOR 41
S-B-50	FRAMING PLAN FLOOR 42
S-B-51	FRAMING PLAN FLOOR 43
S-B-52	FRAMING PLAN FLOOR 44
S-B-53	FRAMING PLAN FLOOR 45
S-B-54	FRAMING PLAN FLOOR 46
S-B-55	FRAMING PLAN FLOOR 47
S-B-56	FRAMING PLAN FLOOR 48
S-B-57	FRAMING PLAN FLOOR 49
S-B-58	FRAMING PLAN FLOOR 50
S-B-59	FRAMING PLAN FLOORS 51-54
S-B-60	UNASSIGNED
S-B-61	UNASSIGNED
S-B-62	UNASSIGNED
S-B-63	FRAMING PLAN FLOOR 55
S-B-64	FRAMING PLAN FLOOR 56
S-B-65	FRAMING PLAN FLOOR 57
S-B-66	FRAMING PLAN FLOOR 58
S-B-67	FRAMING PLAN FLOOR 59
S-B-68	FRAMING PLAN FLOOR 60
S-B-69	FRAMING PLAN FLOOR 61
S-B-70	FRAMING PLAN FLOOR 62
S-B-71	FRAMING PLAN FLOOR 63
S-B-72	FRAMING PLAN FLOOR 64
S-B-73	FRAMING PLAN FLOOR 65-66
S-B-74	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
S-B-75	FRAMING PLAN FLOOR 67
S-B-76	FRAMING PLAN FLOOR 68
S-B-77	FRAMING PLAN FLOOR 69
S-B-78	FRAMING PLAN FLOOR 70
S-B-79	FRAMING PLAN FLOOR 71
S-B-80	FRAMING PLAN FLOOR 72
S-B-81	FRAMING PLAN FLOOR 73
S-B-82	FRAMING PLAN FLOOR 74
S-B-83	FRAMING PLAN FLOOR 75
S-B-84	FRAMING PLAN FLOOR 76
S-B-85	FRAMING PLAN FLOOR 77
S-B-86	FRAMING PLAN FLOOR 78
S-B-87	FRAMING PLAN FLOOR 79
S-B-88	FRAMING PLAN FLOOR 80
S-B-89	FRAMING PLAN FLOOR 81
S-B-90	FRAMING PLAN FLOOR 82
S-B-91	FRAMING PLAN FLOOR 83
S-B-92	FRAMING PLAN FLOOR 84-86
S-B-93	UNASSIGNED
S-B-94	UNASSIGNED
S-B-95	FRAMING PLAN FLOOR 87
S-B-96	FRAMING PLAN FLOOR 88
S-B-97	FRAMING PLAN FLOOR 89
S-B-98	FRAMING PLAN FLOOR 90, 91 AND 93
S-B-99	UNASSIGNED
S-B-100	FRAMING PLAN FLOOR 92
S-B-101	UNASSIGNED
S-B-102	FRAMING PLAN FLOOR 94
S-B-103	FRAMING PLAN FLOOR 95
S-B-104	FRAMING PLAN FLOOR 96
S-B-105	FRAMING PLAN FLOORS 97-100
S-B-106	UNASSIGNED
S-B-107	UNASSIGNED
S-B-108	UNASSIGNED
S-B-109	FRAMING PLAN FLOOR 101
S-B-110	FRAMING PLAN FLOOR 102
S-B-111	FRAMING PLAN FLOOR 103
S-B-112	FRAMING PLAN FLOOR 104
S-B-113	FRAMING PLAN FLOOR 105
S-B-114	FRAMING PLAN FLOOR 106
S-B-115	FRAMING PLAN FLOOR 107 LOWER
S-B-116	FRAMING PLAN FLOOR 107 UPPER
S-B-117	FRAMING PLAN FLOOR 108
S-B-118	FRAMING PLAN FLOOR 109
S-B-119	FRAMING PLAN FLOOR 110
S-B-120	FRAMING PLAN PENTHOUSE ROOF - UPPER
S-B-121	FRAMING PLAN PENTHOUSE ROOF - LOWER
S-B-122	UNASSIGNED
S-B-123	FRAMING PLAN TRUCK RAMP
S-B-124	FLOOR PANEL SCHEDULE
S-B-125	EXT. WALL TO 9TH - ELEVATION WALL 100
S-B-126	EXT. WALL TO 9TH - ELEVATION WALL 200
S-B-127	EXT. WALL TO 9TH - ELEVATION WALL 300
S-B-128	EXT. WALL TO 9TH - ELEVATION WALL 400
S-B-129	UNASSIGNED
S-B-130	UNASSIGNED
S-B-131	UNASSIGNED
S-B-132	UNASSIGNED
S-B-133	UNASSIGNED
S-B-134	UNASSIGNED
S-B-135	UNASSIGNED
S-B-136	UNASSIGNED
S-B-137	UNASSIGNED
S-B-138	UNASSIGNED
S-B-139	UNASSIGNED
S-B-140	EXT. WALL ABOVE 9TH - ELEVATION WALL 100
S-B-141	EXT. WALL ABOVE 9TH - ELEVATION WALL 200
S-B-142	EXT. WALL ABOVE 9TH - ELEVATION WALL 300
S-B-143	EXT. WALL ABOVE 9TH - ELEVATION WALL 400
S-B-144	UNASSIGNED
S-B-145	UNASSIGNED
S-B-146	UNASSIGNED
S-B-147	UNASSIGNED
S-B-148	UNASSIGNED
S-B-149	UNASSIGNED
S-B-150	UNASSIGNED

STRUCTURAL

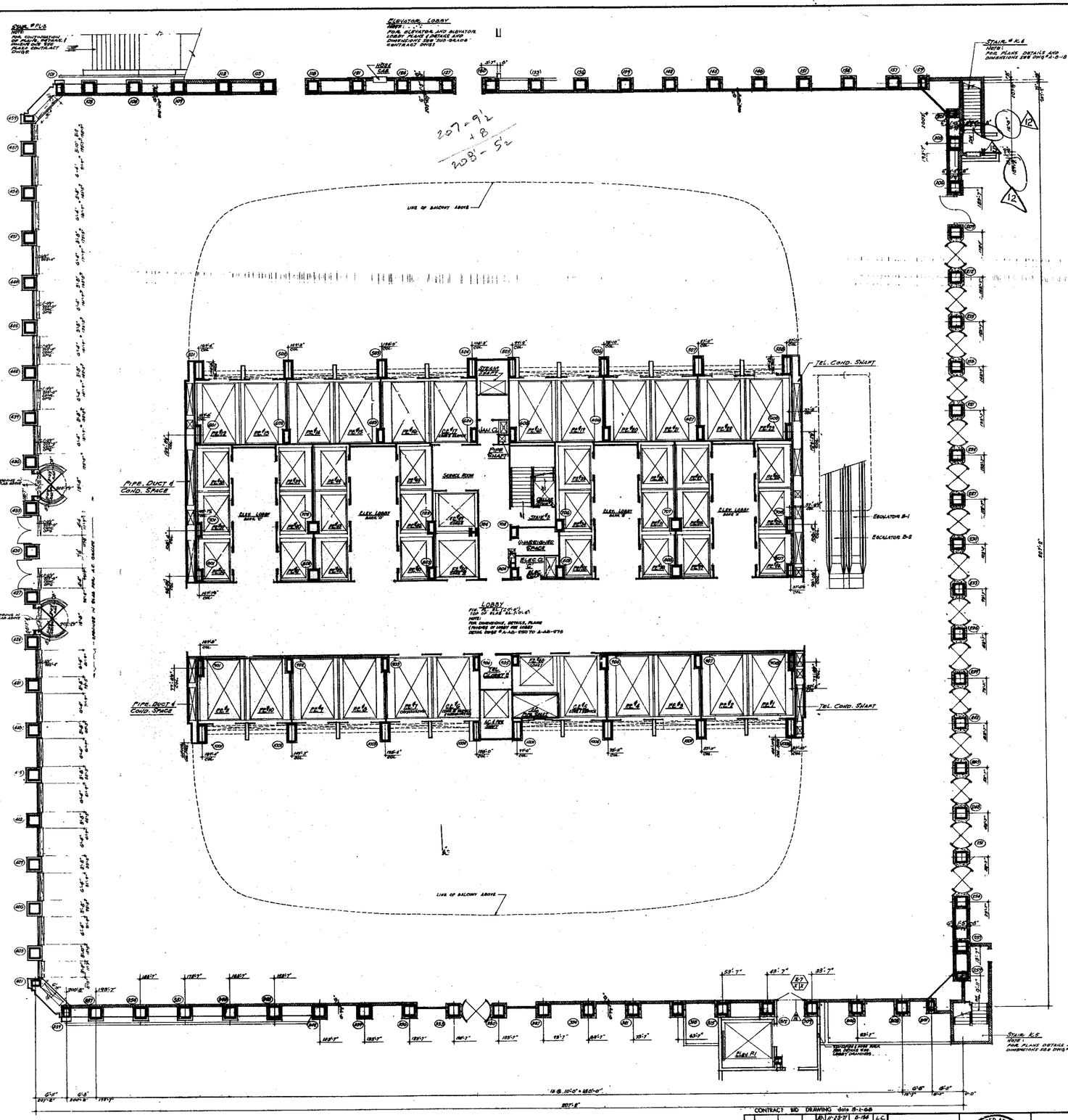
DWG. No.	TITLE
S-B-151	GRILLAGE DETAILS
S-B-152	GRILLAGE DETAILS
S-B-153	GRILLAGE DETAILS
S-B-154	GRILLAGE DETAILS
S-B-155	UNASSIGNED
S-B-401	T.V. MAST SUPPORT ELEV. LINES 300, 400 & 700
S-B-402	T.V. MAST SUPPORT ELEV. LINES 800, 900 & 1000
S-B-403	T.V. MAST SUPPORT ELEV. LINES 001, 002, 003 & 004
S-B-404	T.V. MAST SUPPORT ELEV. LINES 005, 006, 007 & 008
SCB-1	CONCRETE PLAN SUB-LEVEL #5-EL. 242
SCB-2	CONCRETE PLAN SUB-LEVEL #4-EL. 253
SCB-3	CONCRETE PLAN SUB-LEVEL #3-EL. 264-CORE
SCB-4	CONCRETE PLAN SUB-LEVEL #3-EL. 264-FLOOR
SCB-5	CONCRETE PLAN SUB-LEVEL #2-EL. 276-CORE
SCB-6	CONCRETE PLAN SUB-LEVEL #2-EL. 276-FLOOR
SCB-7	CONCRETE PLAN SUB-LEVEL #1-EL. 284-CORE
SCB-8	CONCRETE PLAN SUB-LEVEL #1-EL. 284-FLOOR
SCB-9	CONCRETE PLAN SERVICE LEVEL-EL. 294-CORE
SCB-10	CONCRETE PLAN SERVICE LEVEL-EL. 294-FLOOR
SCB-11	CONCRETE PLAN FLOOR -1- EL. 310 - CORE
SCB-12	CONCRETE PLAN FLOOR -1- EL. 310 - FLOOR
SCB-13	CONCRETE PLAN FLOOR INTERMEDIATE LEVEL
SCB-14	CONCRETE PLAN FLOOR -2- CORE
SCB-15	CONCRETE PLAN FLOOR -2- FLOOR
SCB-16	CONCRETE PLAN FLOORS 3 TO 6 - CORE
SCB-17	CONCRETE PLAN FLOOR -7- CORE
SCB-18	CONCRETE PLAN FLOOR -7- FLOOR
SCB-19	CONCRETE PLAN FLOOR -8- CORE
SCB-20	CONCRETE PLAN FLOOR -9- CORE
SCB-21	CONCRETE PLAN FLOOR -9- FLOOR
SCB-22	UNASSIGNED
SCB-23	CONCRETE PLAN FLOORS 10 TO FLOOR
SCB-24	CONCRETE PLAN FLOORS 10-16 CORE
SCB-25	UNASSIGNED
SCB-26	UNASSIGNED
SCB-27	UNASSIGNED
SCB-28	UNASSIGNED
SCB-29	UNASSIGNED
SCB-30	CONCRETE PLAN FLOOR 17 - CORE
SCB-31	CONCRETE PLAN FLOOR 18 - CORE
SCB-32	CONCRETE PLAN FLOOR 19 - CORE
SCB-33	CONCRETE PLAN FLOOR 20 - CORE
SCB-34	CONCRETE PLAN FLOORS 21-23 - CORE
SCB-35	UNASSIGNED
SCB-36	UNASSIGNED
SCB-37	CONCRETE PLAN FLOOR 24 - CORE
SCB-38	CONCRETE PLAN FLOOR 25 - CORE
SCB-39	CONCRETE PLAN FLOOR 26 - CORE
SCB-40	CONCRETE PLAN FLOOR 27 - CORE
SCB-41	CONCRETE PLAN FLOORS 28-31 - CORE
SCB-42	UNASSIGNED
SCB-43	UNASSIGNED
SCB-44	UNASSIGNED
SCB-45	CONCRETE PLAN FLOOR 32 - CORE
SCB-46	CONCRETE PLAN FLOOR 33 - CORE
SCB-47	CONCRETE PLAN FLOOR 34 - CORE
SCB-48	CONCRETE PLAN FLOOR 35 - CORE
SCB-49	CONCRETE PLAN FLOORS 36-40 - CORE
SCB-50	UNASSIGNED
SCB-51	UNASSIGNED
SCB-52	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
SCB-53	UNASSIGNED
SCB-54	CONCRETE PLAN FLOOR 41 - CORE
SCB-55	CONCRETE PLAN FLOOR 41 - FLOOR
SCB-56	CONCRETE PLAN FLOOR 43 - CORE
SCB-57	CONCRETE PLAN FLOOR 43 - CORE
SCB-58	CONCRETE PLAN FLOOR 43 - FLOOR
SCB-59	CONCRETE PLAN FLOOR 44 - CORE
SCB-60	CONCRETE PLAN FLOOR 44 - FLOOR
SCB-61	CONCRETE PLAN FLOOR 45 - CORE
SCB-62	CONCRETE PLAN FLOOR 45 - FLOOR
SCB-63	CONCRETE PLAN FLOOR 46 - CORE
SCB-64	CONCRETE PLAN FLOORS 46-47-48 - FLOOR
SCB-65	CONCRETE PLAN FLOOR 47 - CORE
SCB-66	CONCRETE PLAN FLOOR 48 - CORE
SCB-67	UNASSIGNED
SCB-68	CONCRETE PLAN FLOORS 49-74 - FLOOR
SCB-69	CONCRETE PLAN FLOORS 49-53 - CORE
SCB-70	UNASSIGNED
SCB-71	UNASSIGNED
SCB-72	UNASSIGNED
SCB-73	UNASSIGNED
SCB-74	CONCRETE PLAN FLOOR 54 - CORE
SCB-75	CONCRETE PLAN FLOOR 55 - CORE
SCB-76	CONCRETE PLAN FLOOR 56 - CORE
SCB-77	CONCRETE PLAN FLOOR 57-58 CORE
SCB-78	UNASSIGNED
SCB-79	CONCRETE PLAN FLOOR 59 - CORE
SCB-80	CONCRETE PLAN FLOOR 60 - CORE
SCB-81	CONCRETE PLAN FLOOR 61 - CORE
SCB-82	CONCRETE PLAN FLOOR 62 - CORE
SCB-83	CONCRETE PLAN FLOOR 63 - CORE
SCB-84	CONCRETE PLAN FLOOR 64 - CORE
SCB-85	CONCRETE PLAN FLOORS 65-66 - CORE
SCB-86	UNASSIGNED
SCB-87	CONCRETE PLAN FLOOR 67 - CORE
SCB-88	CONCRETE PLAN FLOOR 68 - CORE
SCB-89	CONCRETE PLAN FLOOR 69 - CORE
SCB-90	CONCRETE PLAN FLOOR 70-73 - CORE
SCB-91	UNASSIGNED
SCB-92	UNASSIGNED
SCB-93	UNASSIGNED
SCB-94	CONCRETE PLAN FLOOR 74 - CORE
SCB-95	CONCRETE PLAN FLOOR 75 - CORE
SCB-96	CONCRETE PLAN FLOOR 75 - FLOOR
SCB-97	CONCRETE PLAN FLOOR 76 - CORE
SCB-98	CONCRETE PLAN FLOOR 77 - CORE
SCB-99	CONCRETE PLAN FLOOR 77 - FLOOR
SCB-100	CONCRETE PLAN FLOOR 78 - CORE
SCB-101	CONCRETE PLAN FLOOR 78 - FLOOR
SCB-102	CONCRETE PLAN FLOOR 79 - CORE
SCB-103	CONCRETE PLAN FLOOR 79 - FLOOR
SCB-104	CONCRETE PLAN FLOOR 80 - CORE
SCB-105	CONCRETE PLAN FLOORS 80-81-82 FLOORS
SCB-106	CONCRETE PLAN FLOOR 81 - CORE
SCB-107	CONCRETE PLAN FLOOR 82 - CORE
SCB-108	UNASSIGNED
SCB-109	CONCRETE PLAN FLOORS 83-106 - FLOOR
SCB-110	UNASSIGNED
SCB-111	CONCRETE PLAN FLOOR 83 - CORE
SCB-112	CONCRETE PLAN FLOORS 84-85 CORE
SCB-113	UNASSIGNED
SCB-114	CONCRETE PLAN FLOOR 87 - CORE
SCB-115	CONCRETE PLAN FLOOR 88 CORE
SCB-116	CONCRETE PLAN FLOORS 89, 90, 91 - CORE
SCB-117	UNASSIGNED
SCB-118	UNASSIGNED
SCB-119	CONCRETE PLAN FLOOR 92 - CORE
SCB-120	CONCRETE PLAN FLOOR 93 - CORE
SCB-121	CONCRETE PLAN FLOOR 94 - CORE
SCB-122	CONCRETE PLAN FLOOR 95 - CORE
SCB-123	CONCRETE PLAN FLOORS 96-99 CORE
SCB-124	UNASSIGNED
SCB-125	UNASSIGNED
SCB-126	UNASSIGNED
SCB-127	CONCRETE PLAN FLOOR 100 - CORE
SCB-128	CONCRETE PLAN FLOOR 101 - CORE

STRUCTURAL

DWG. No.	TITLE
SCB-129	CONCRETE PLAN FLOOR 102 - CORE
SCB-130	CONCRETE PLAN FLOORS 103-104 - CORE
SCB-131	UNASSIGNED
SCB-132	CONCRETE PLAN FLOOR 105 - CORE
SCB-133	CONCRETE PLAN FLOOR 106 - CORE
SCB-134	CONCRETE PLAN FLOOR 107 - FLOOR
SCB-135	CONCRETE PLAN FLOOR 107 - CORE
SCB-136	CONCRETE PLAN FLOOR 108 - CORE
SCB-137	CONCRETE PLAN FLOOR 108 - FLOOR
SCB-138	CONCRETE PLAN FLOOR 109 - CORE
SCB-139	CONCRETE PLAN FLOOR 110 - CORE
SCB-140	CONCRETE PLAN FLOOR 110 - FLOOR
SCB-141	CONCRETE PLAN PENTHOUSE ROOF
SCB-142	CONCRETE PLANS SECONDARY LEVELS
SCB-143	CONCRETE PLAN SUB-STATIONS, ESCALATOR PITS
SCB-144	SECTIONS - TRUCK RAMP EL. 284
SCB-145	CONCRETE PLAN EL. 264 POST TENSION



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 4" SCALE CORE DRAWING # A-0-21.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 0'-6" MINIMUM ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7. ALL WALLS AND PARTITIONS SHOWN NOTATIONS ARE INCLUDED IN THIS CONTRACT ALL WORK OUTSIDE PARTITIONS, WALLS OR TOILETS SHOWN (UNFINISHED) IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT CONTRACTORS SHALL COORDINATE ALL WORK. BE THAT COMPLETED WORK, IN CONTINUOUS AND UNBROKEN, CONDITIONS SHOWN FOR WORK BY OTHERS OUTSIDE OF THIS AREA FOR COORDINATION ONLY

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING				date 5-1-68		
			B	11-25-71	B-158	L.C.
			A	8-24-71	B-115	W.T.
			A	9-11-70	B-68	D.M.
			A	5-22-70	B-45	L.W.
			A	9-29-69	B-17	R.M.
A	9-17-75	B-278	J.K.	A	9-29-69	B-9	R.M.
A	9-24-73	B-185	J.B.	A	9-29-69	B-13	R.M.
A	5-22-73	B-122	L.J.	A	11-1-68	B-7	R.E.
A		B-145	L.C.	A	5-1-68	B-5	R.M.
A	11-23-71	B-158	L.C.	A	5-1-68	B-1	D.G.
NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
REVISIONS				REVISIONS			

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 035...

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 1ST FLOOR PLAN
ELEVATION 310'-0"
CONCOURSE LEVEL

1/8"=1'-0" 0 4' 8' 16' 24'

DRAWN		CHECKED	
SCALE	8"=1'-0"	DATE	7-21-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·20		

NORTH

NOTES

1. FOR GENERAL INTERPRETATION TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-3
2. FOR CONCRETE 9" SLAB FLOOR PLAN SEE DRAWING A-B-20
3. ALL ELEVATIONS GIVEN THUS (7'-0"-) ARE IN RELATION TO FINISH FLOOR.
4. FOR ARRANGEMENT AND ELECTRICAL LAYOUT SEE RESPECTIVE SUBCONTRACTS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-A-204 AND A-A-205
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE NOTED OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL BEAMS AND DIAPHRAGMS SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3½" NOMINAL (3" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS, SHALL BE MINIMUM 12" FROM ADJACENT SIDE OF FACIAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-200, TO A-A-202

PIPE, DUCT AND COND SPACE

TEL. COND. SHAFT

PIPE, DUCT AND COND. SPACE

TEL COND SHAFT

LOBBY

NOTE: FIREPROOF DUCT ABOVE WITH 2 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER FOR EXTENT OF FIREPROOFING. SEE MECH. DWGS.

SECTION 4/21 THRU STAIR #3

5/21 EDGE BEAM AT STAIR #3

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
3	5-26-75	B-111	L.J
2	11-25-71	B-150	L.C
1	8-26-71	B-116	D.T

REVISIONS

NO.	DATE	BUL. NO.	BY
11	1-29-71	B-85	L.V.
10	11-24-70	B-72	D.G.
9	9-11-70	B-62	D.G.
8	4-21-69	B	A.T.H.
7	9-23-68	B-17	A.T.H.
6	9-23-68	B-12	A.T.H.
5	9-23-68	B-9	A.T.H.
4	9-23-68	B-13	A.T.H.
3	8-1-68	B-6	A.T.H.
2	6-1-68	B-1	D.G.

REVISIONS

CONTRACT "B" DRAWING date 3-1-68

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 1ST FLOOR CORE PLAN
ELEVATION 30'-0"
CONCOURSE LEVEL

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·21		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1-1 TO A-0.1-4.
2. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS.
3. FOR TYPICAL STAIR DETAILS SEE DRAWING A-13.2-04 AND A-13.2-05.
4. CANTS REQUIRED ON ALL GRAM PROJECTIONS OVER 24" NOMINAL (23" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS SHALL BE MAXIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS

PIPE, DUCT AND COND. SPACE

TEL. CONDUIT START

TEL. CONDUIT SHAFT

UPPER PART OF LOBBY

Note: REFER FOR DUCT WORK WITH 3 SEPARATE LOUVERS OF METAL LATH TO ENTER THE AREA FROM ABOVE UP TO UNDERSIDE OF SLAB.

REMOVE THIS PORTION OF WOOD PARTITION WHEN SHAFT WALL FURRING, COORDINATE WITH PLUMBING CONTRACTOR AND SEE LOBBY DETAIL M-2.02.1

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING Date 9-1-66

NO.	DATE	BUL. NO.	BY
A	11-24-76	B-78	DG
A	9-29-69	B-12	L.J.
A	9-29-69	B-7	L.J.
A	9-29-69	B-7	L.J.
A	9-29-69	B-9	L.J.
A	5-1-68	B-6	K.H.
A	6-11-65	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

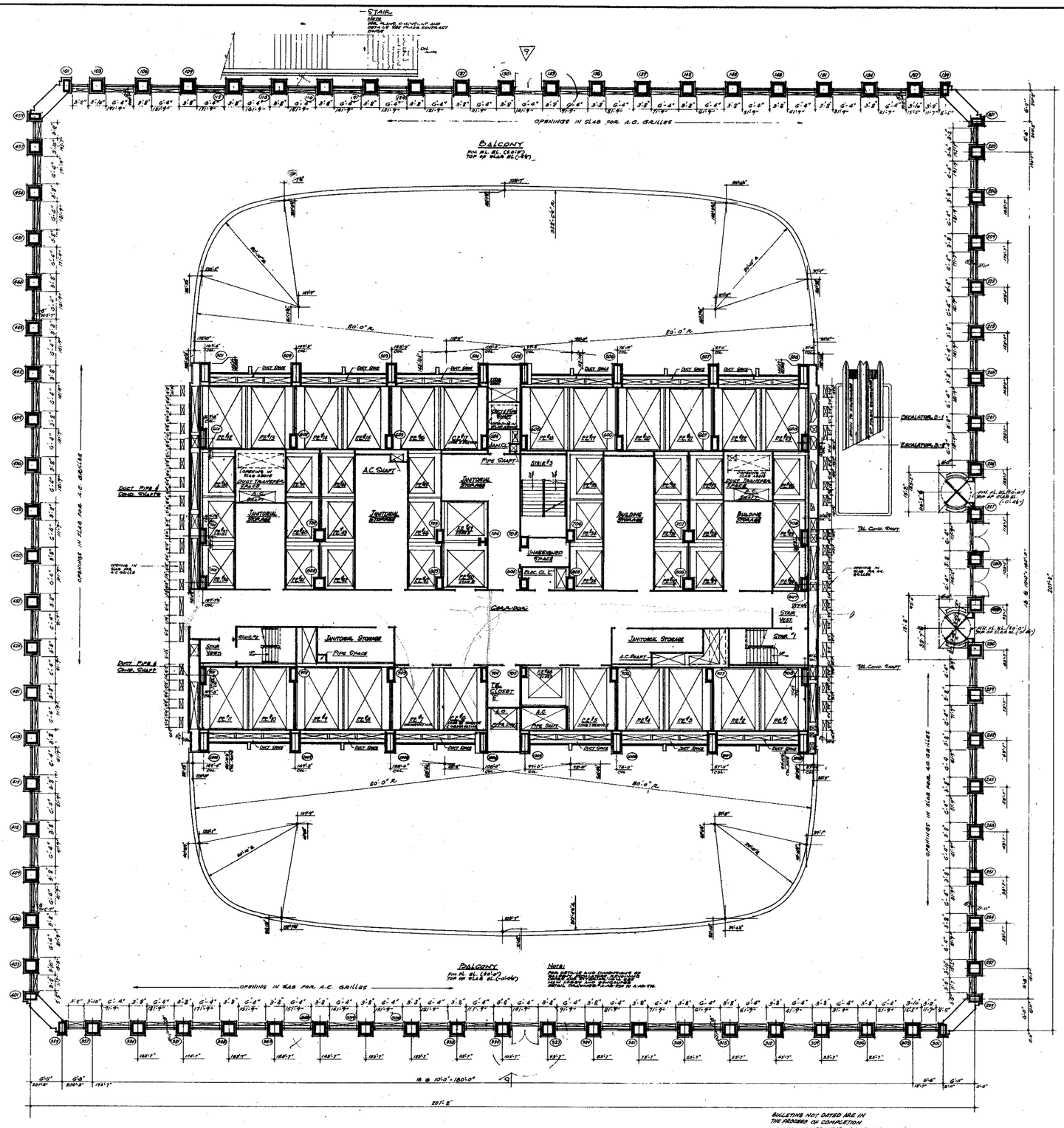
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FIRST FLOOR INTERMEDIATE LEVEL PLAN ELEVATION (6190')

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-21A		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 6" SCALE CORE DRAWING A-B-22
3. ALL ELEVATIONS GIVEN THUS (+0.0') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0.0') UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 6'-8" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
1		8-300	HN
2	10-8-70	8-1155	LJ
3	8-26-71	8-118	DT
4	9.29.69	B-9	DL
5	9.29.69	B-12	DL
6	9.29.69	B-81	DL
7	9.29.69	B-13	DL
8	11-1-69	B-7	RR
9	5-1-69	B-1	DL

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

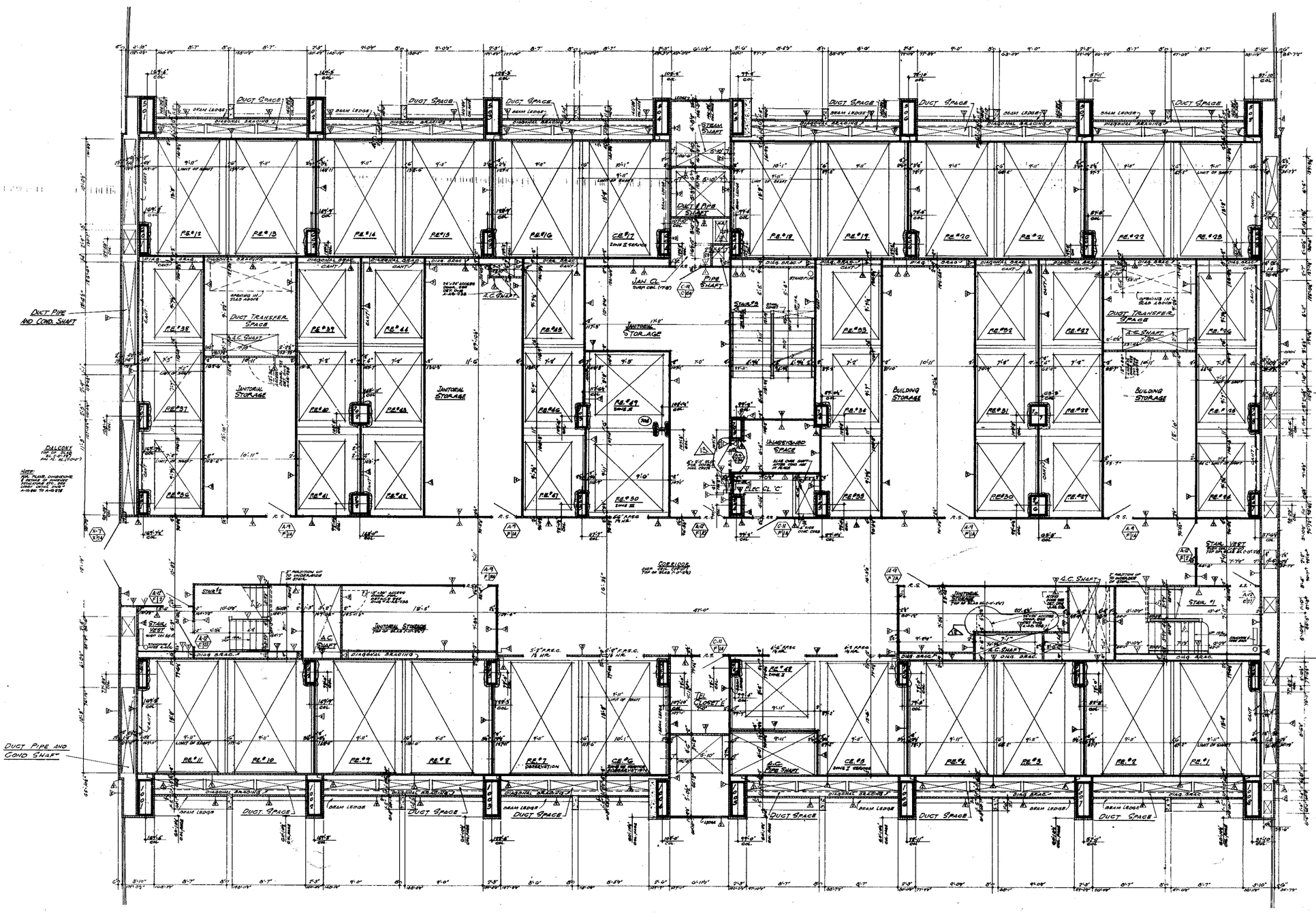
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/16"-1'-0" 0 4' 8' 16' 24'

TITLE: 2ND FLOOR PLAN
ELEVATION 33'-0"
PLAZA LEVEL

DRAWN		CHECKED	
SCALE	1/16"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·22		

145'-152
60'-10"
35-82



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWING SEE DRAWINGS A-A0-1 TO A-A0-6
2. FOR COMPLETE 'A' WALL PLANS, PLAN SEE DRAWING # A-A-22
   a. ALL ELEVATION GIVEN THUS (30'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ARCHITECTS ENGINEERS DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE SHEET A-B-100 AND A-B-101
6. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (30'0") UNLESS OTHERWISE SHOWN OR NOTED
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CORRITS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" MINIMUM ABOVE FINISHED FLOORS TO PROVIDE FOR NOTED CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. GRID REFERENCED ON ALL BEAM PROJECTIONS OVER 6'6" NOMINAL (7'-0" ACTUAL) DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 76" FROM HORIZONTAL. SEE TYPICAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-606 TO A-A8-616

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
1	1-19-71	B-85	L.V.
2	11-24-70	B-79	DG
3	11-24-70	B-72	DG
4	9-29-69	B-15	AL
5	9-29-69	B-9	AL
6	9-29-69	B-12	AL
7	9-29-69	B-11	AL
8	9-29-69	B-13	AL
9	1-28-71	B-86	LC
10	8-1-68	B-6	R.T.H.
11	5-1-68	B-1	DG
12	10-6-70	B-76	JR
13	6-16-71	B-115	D.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

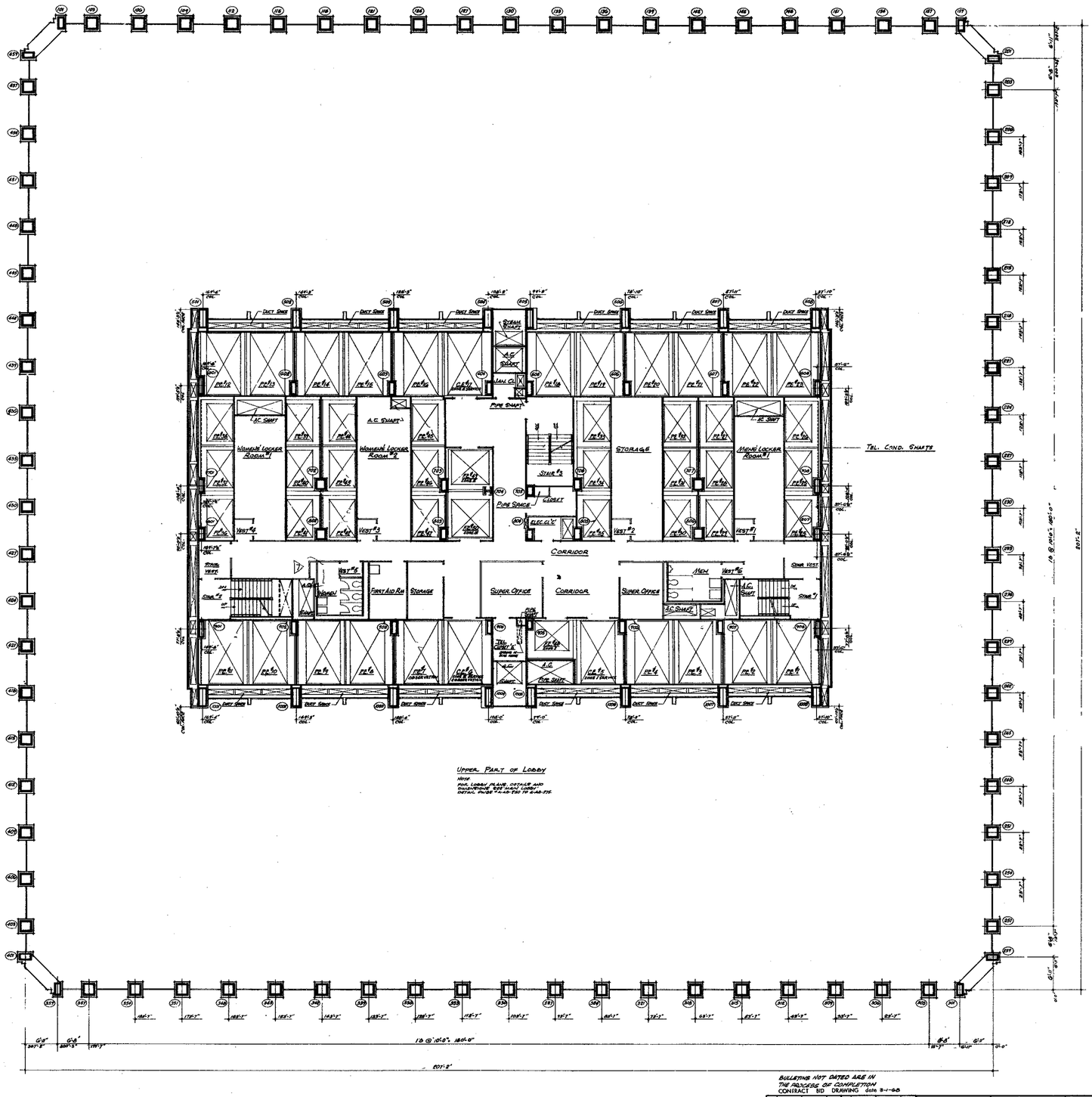
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 2ND FLOOR CORE PLAN
ELEVATION 33'-0"
PLAZA LEVEL

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-23		



North

Notes

1. For general notes, key to materials, symbols, abbreviations, finish schedules, door schedules and schedules of drawings see drawings A-0-1 to A-0-4
2. For complete dimensions and notes in core area see 1/8" scale core drawing A-B-25.
3. All elevations given thus (+0.0'-0") are in relation to finish floor.
4. For mechanical and electrical layouts see respective engineers drawings
5. Finish floor elevation and top of slab elevations are (+0'-0") unless otherwise shown or noted
6. Where no furnished ceiling is called for, such as in closets, stair, furnace etc., bottom elevation of all ducts and ductwork shall be maintained at 8'-6" above finished floor, to provide for future ceiling installation and clearance of full height doors.

Bulletins not dated are in the process of completion
Contract Bid Drawing date 3-1-68

No.	Date	Bul. No.	By
6	5-28-70	B-46	A.M.
5	9-29-69	B-35	L.M.J.
4	9-29-69	B-18	L.M.J.
3	9-29-69	B-9	E.P.C.
2	9-29-69	B-21	E.P.C.
1	9-29-69	B-13	E.P.C.
	8-11-68	B-1	D.S.

Revisions

Approved

Chief, Planning Division

Date

Registered Architect — Richard D. Roth — No. 21102 — New York

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

Minoru Yamasaki & Associates
Minoru Yamasaki, Architect

Emery Roth & Sons
Richard Roth, Architect

Worthington, Skilling, Helle & Jackson
Structural Engineers

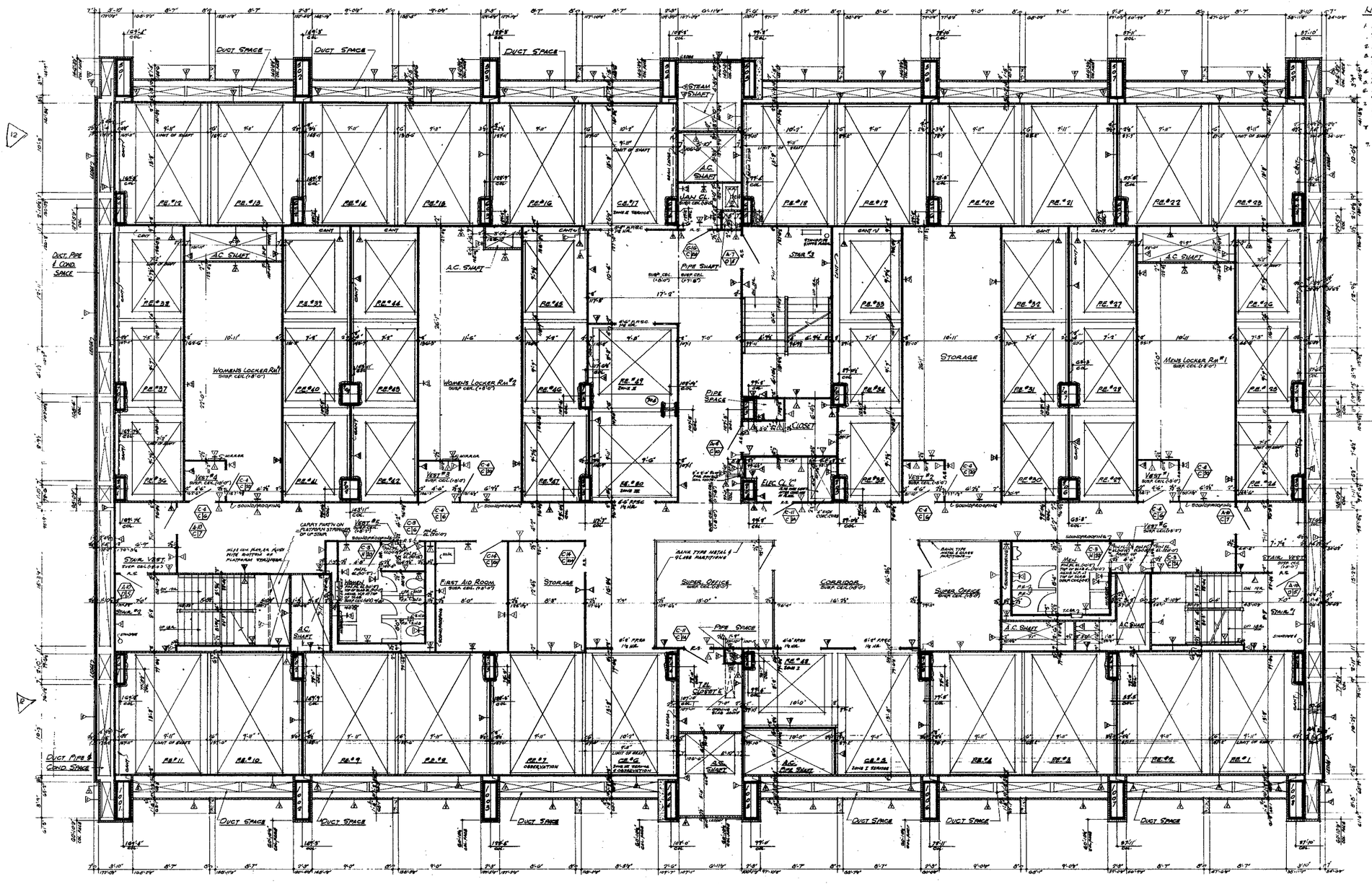
Jaros, Baum & Bolles
Mechanical Engineers

Joseph R. Loring & Associates
Electrical Engineers

The Port of New York Authority
Paving, Utilities, Foundations

Title: 3rd Floor Plan

Drawn		Checked	
Scale	1/8"=1'-0"	Date	7-7-67
Project Number		Sheet	of
Drawing Number	A-B-24		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULE, DOOR, SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-4
2. FOR COMPLETE "A" SERIES FLOOR PLAN SEE DRAWING # A-B-26
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-B-304 AND A-B-305
6. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, EACH AS IN CORRIDS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" NOMINAL (6" ACTUAL) DIMENSIONING IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAIL.
9. FOR TYPICAL PARTITION DETAILS SEE DWG. A-AB-306 TO A-AB-312

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-66

NO.	DATE	BUL. NO.	BY
3	8-26-71	B-116	D-T
2	11-24-70	B-78	D-G

REVISIONS

NO.	DATE	BUL. NO.	BY
11	11-24-70	B-78	D-G
10	5-22-70	B-46	A.W.
9	7-29-69	B-35	L.L.
8	7-29-69	B-18	E.P.C.
7	7-29-69	B-17	E.P.C.
6	7-29-69	B-9	E.P.C.
5	7-29-69	B-7.1	E.P.C.
4	7-29-69	B-1.3	E.P.C.
3	5-1-68	B-6	R.T.A.
2	5-1-68	B-1	D-G.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 035772

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

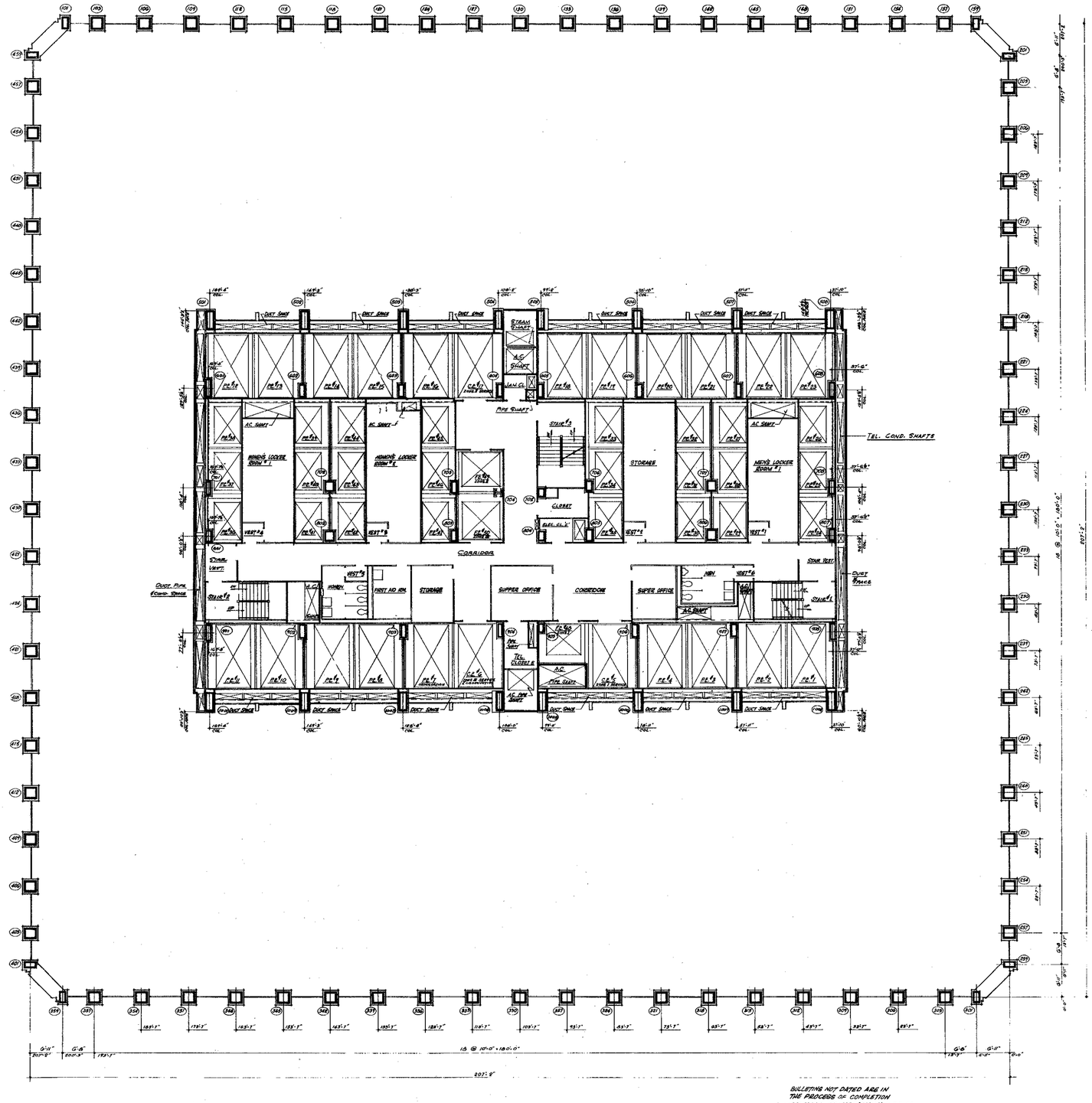
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" (0 1' 2' 3' 4' 8' 12')

TITLE: 3RD FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·25		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-0 TO A-A-2
2. FOR CONCRETE DIMENSIONS AND NOTES IN CORE SEE 1/4" SCALE CORE DRAWING A-A-27
3. ALL ELEVATION GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL RISING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID - DRAWING - Date 3-1-68

NO.	DATE	BUL. NO.	BY
1	5-20-68	B-46	A.W.
2	9-24-68	B-89	L.L.
3	9.24.68	B-16	D.L.
4	9.24.68	B-9	D.L.
5	9.24.68	B-81	D.L.
6	9.24.68	B-13	D.L.
7	5-1-69	B-1	P.O.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

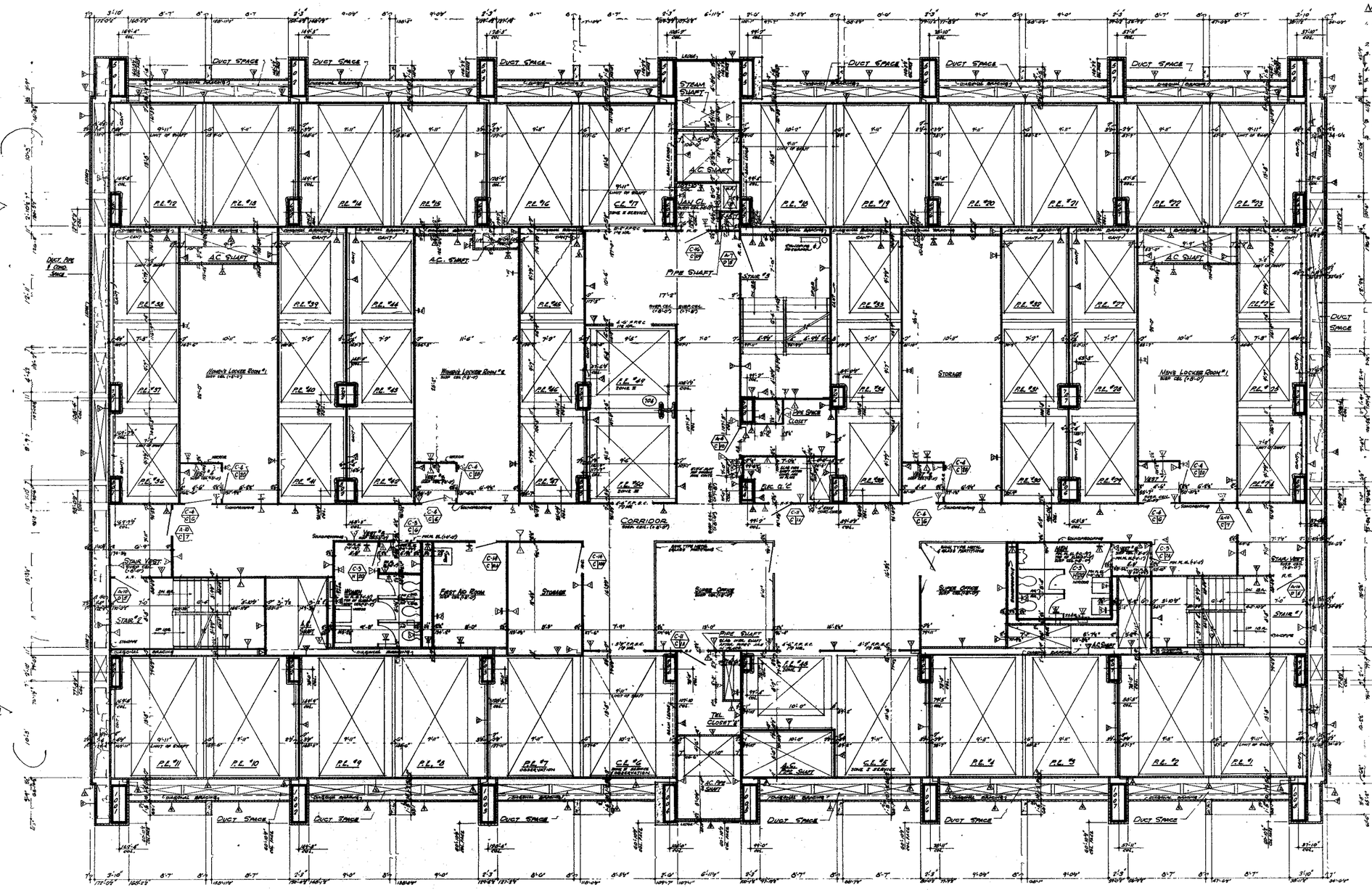
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 4TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·26		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-4
2. FOR COMPLETE 'B' SCALE FLOOR PLAN SEE DRAWING A-B-26
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR ENTRANCE SEE DWG. A-B-804 AND A-B-805
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR, PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS. UNITS SERVICED ON ALL SIDES PROJECTIONS UNDER STEEL MINIMAL (6" ACTUAL) DIMENSIONS, RECESSES, SHAFTS AND STAIRS, BE MAINTAIN 7'9" FROM HORIZONTAL SEE "H" DR. DETAILS
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-1B-206 TO A-1B-215

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY
1	8-26-71	B-110	D.T.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	11-24-70	B-78	D.G.
2	5-25-70	B-68	L.W.
3	9-29-69	B-58	L.W.
*	9-26-69	3-15	V.
3	9-26-69	B-18	J.C.
4	4-28-69	B-9	J.C.
5	4-25-69	B-11	J.C.
2	1-27-69	B-13	J.C.
1	8-1-68	B-6	K.T.H.
1	5-1-68	B-1	D.G.

REVISIONS

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CHIEF, PLANNING DIVISION

DATE

ASSOCIATED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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EMERY ROTH & SONS
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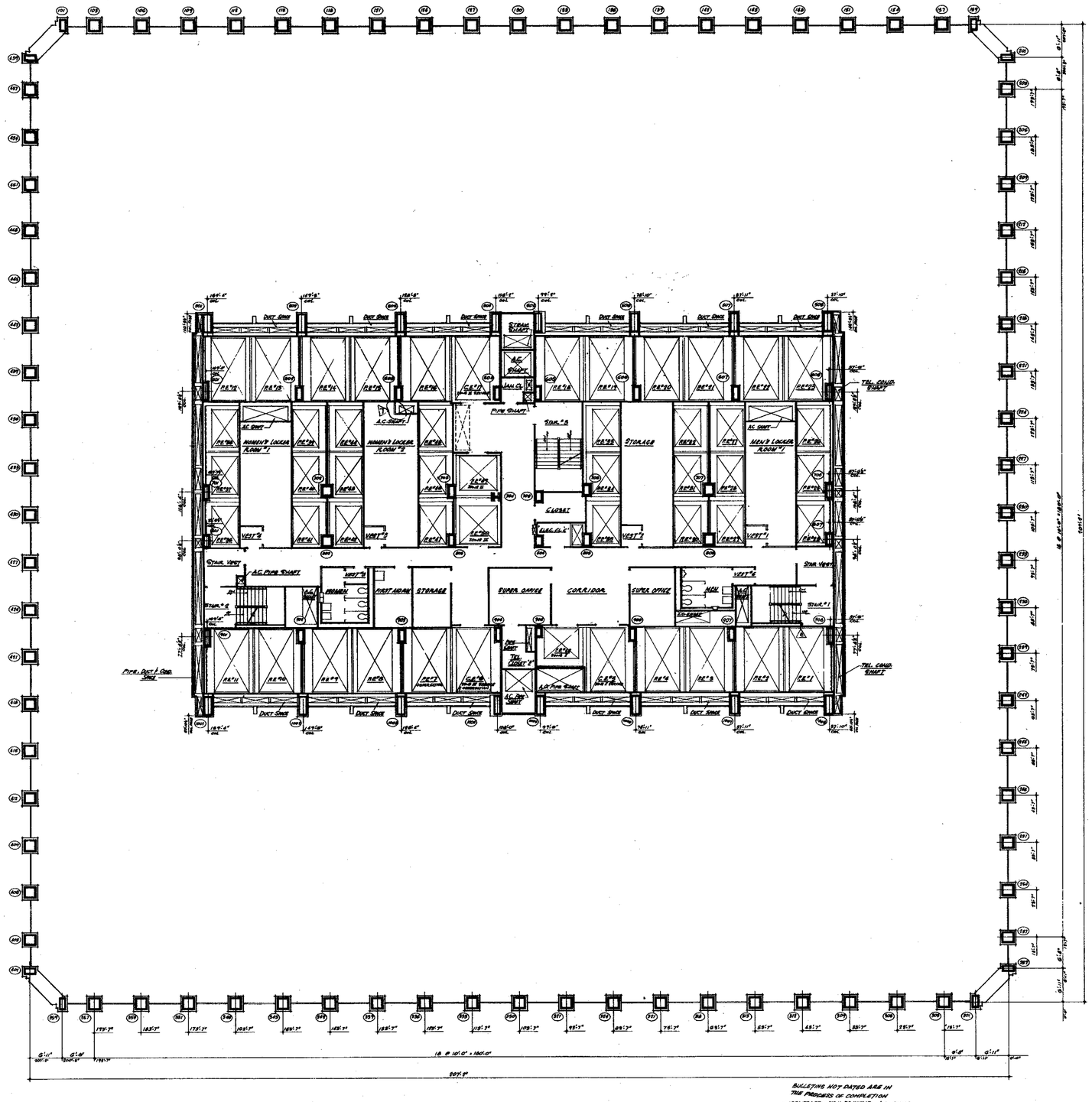
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4" = 1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 4TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-3-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·27		





NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-5
2. FOR CONCRETE DIMENSIONS AND NOTES IN CORE AREA SEE 4" SCALE CORE DRAWINGS A-0-6 TO A-0-9
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. 180 DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
2	5-28-69	B-28	A.M.
3	9-29-69	B-25	L.M.
4	9-29-69	B-23	L.M.
5	9-29-69	B-13	L.M.
6	9-29-69	B-9	L.M.
7	9-29-69	B-21	L.M.
8	6-1-06	B-1	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 5TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-26		

1/16" = 1'-0" 0 4" 8" 16" 24"

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE 'A' SERIES FLOOR PLAN SEE DRAWING # A-A-20
3. ALL ELEVATIONS GIVEN THUS (2010') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBSIDIARY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-AB-204 & A-AB-205
6. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (2010') UNLESS OTHERWISE SHOWN OR NOTED
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CORRIDORS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
8. 24" NOMINAL (18" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL SIDE TYPICAL DETAILS
9. FOR TYPICAL DETAILS SEE DRAWINGS A-AB-206 TO A-AB-218.

TEL. COND. SHAFT

BULLETINS NOT DATED ARE IN THE PROCESS OF CUMULATION

CONTRACT BID DRAWING Date 5-1-68

NO.	DATE	BUL. NO.	BY
		11-24-70	B-78	D.G.
		5-28-70	B-48	A.M.
		4-29-69	B-85	L.M.
		7-27-68	C-12	L.M.
		7-27-68	C-18	L.M.
		7-27-68	C-9	L.M.
		7-27-68	C-21	L.M.
6-24-71	B-116		D.T.	7-27-68	C-13	L.M.
11-24-70	B-78		D.G.	5-1-68	C-6	K.T.H.
11-24-70	B-78		D.G.	5-1-68	C-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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EMERY ROTH & SONS
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ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 5TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·29		

SCHEDULE OF DRAWINGS

H.V.A.C DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
M-B-1	DRAWING INDEX
M-B-2	SUB-LEVEL No. 5 M.E.R. - LOWER LEVEL PLAN
M-B-3	SUB-LEVEL No. 5 M.E.R. - UPPER LEVEL PLAN
M-B-4	SUB-LEVEL No. 5 M.E.R. - SECTIONS
M-B-5	SUB-LEVEL No. 5 M.E.R. - SECTIONS
M-B-6	UNASSIGNED
M-B-7	UNASSIGNED
M-B-8	UNASSIGNED
M-B-9	SUB-LEVEL No. 3 - ELEV. 2[illegible] [illegible]LOOR PLAN
M-B-10	SUB-LEVEL No. 2 - ELE[illegible] [illegible]LOOR PLAN
M-B-11	SUB-LEVEL No. 1 ELEV. 284 FLOOR PLAN
M-B-12	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
M-B-13	1ST FLOOR PLAN - CONCOURSE LEVEL
M-B-14	2ND FLOOR PLAN PLAZA LEVEL
M-B-15	3RD FLOOR PLAN
M-B-16	4TH FLOOR PLAN
M-B-17	5TH FLOOR PLAN
M-B-18	6TH FLOOR PLAN
M-B-19	7TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-B-20	7TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-B-21	7TH FLOOR M.E.R. - SECTIONS
M-B-22	7TH FLOOR M.E.R. - SECTIONS
M-B-23	UNASSIGNED
M-B-24	UNASSIGNED
M-B-25	UNASSIGNED
M-B-26	9TH - 16TH FLOOR PLAN
M-B-27	17TH FLOOR PLAN
M-B-28	18TH FLOOR PLAN
M-B-29	19TH FLOOR PLAN
M-B-30	20TH - 23RD FLOOR PLAN
M-B-31	24TH FLOOR PLAN
M-B-32	25TH FLOOR PLAN
M-B-33	26TH FLOOR PLAN
M-B-34	27TH - 31ST FLOOR PLAN
M-B-35	UNASSIGNED
M-B-36	32ND FLOOR PLAN
M-B-37	33RD FLOOR PLAN
M-B-38	34TH FLOOR PLAN
M-B-39	35TH - 39TH FLOOR PLAN
M-B-40	40TH FLOOR PLAN
M-B-41	41ST FLOOR M.E.R. - LOWER LEVEL PLAN
M-B-42	41ST FLOOR M.E.R. - UPPER LEVEL PLAN
M-B-43	41ST FLOOR M.E.R. - SECTIONS
M-B-44	41ST FLOOR M.E.R. - SECTIONS
M-B-45	41ST FLOOR M.E.R - SECTIONS
M-B-46	UNASSIGNED
M-B-47	UNASSIGNED
M-B-48	43RD FLOOR PLAN
M-B-49	44TH FLOOR PLAN
M-B-50	45TH FLOOR PLAN
M-B-51	46TH FLOOR PLAN
M-B-52	47TH FLOOR PLAN
M-B-53	48TH FLOOR PLAN
M-B-54	49TH FLOOR PLAN
M-B-55	50TH - 54TH FLOOR PLAN
M-B-56	55TH FLOOR PLAN
M-B-57	56TH FLOOR PLAN
M-B-58	57TH FLOOR PLAN
M-B-59	58TH FLOOR PLAN
M-B-60	59TH FLOOR PLAN
M-B-61	60TH FLOOR PLAN
M-B-62	61ST FLOOR PLAN
M-B-63	62ND FLOOR PLAN
M-B-64	63RD FLOOR PLAN
M-B-65	64TH AND 65TH FLOOR PLAN
M-B-66	66TH FLOOR PLAN
M-B-67	67TH FLOOR PLAN
M-B-68	68TH FLOOR PLAN
M-B-69	69TH FLOOR PLAN
M-B-70	70TH - 72ND FLOOR PLAN
M-B-71	73RD FLOOR PLAN
M-B-72	74TH FLOOR PLAN
M-B-73	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-B-74	75TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-B-75	75TH FLOOR M.E.R. - SECTIONS

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-B-76	75TH FLOOR M.E.R - SECTIONS
M-B-77	75TH FLOOR M.E.R. - SECTIONS
M-B-78	UNASSIGNED
M-B-79	UNASSIGNED
M-B-80	77TH FLOOR PLAN
M-B-81	78TH FLOOR PLAN SKYLOBBY
M-B-82	79TH FLOOR PLAN
M-B-83	80TH FLOOR PLAN
M-B-84	81ST FLOOR PLAN
M-B-85	82ND FLOOR PLAN
M-B-86	83RD - 86TH FLOOR PLAN
M-B-87	87TH FLOOR PLAN
M-B-88	88TH FLOOR PLAN
M-B-89	89TH AND 90TH FLOOR PLAN
M-B-90	91ST FLOOR PLAN
M-B-91	92ND FLOOR PLAN
M-B-92	93RD FLOOR PLAN
M-B-93	94TH FLOOR PLAN
M-B-94	95TH FLOOR PLAN
M-B-95	96TH - 99TH FLOOR PLAN
M-B-96	100TH FLOOR PLAN
M-B-97	101ST FLOOR PLAN
M-B-98	102ND FLOOR PLAN
M-B-99	103RD FLOOR PLAN
M-B-100	104TH FLOOR PLAN
M-B-101	105TH FLOOR PLAN
M-B-102	106TH FLOOR PLAN
M-B-103	107TH FLOOR PLAN
M-B-104	108TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-B-105	108TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-B-106	108TH FLOOR M.E.R. - SECTIONS
M-B-107	108TH FLOOR M.E.R - SECTIONS
M-B-108	UNASSIGNED 1
M-B-109	UNASSIGNED
M-B-110	UNASSIGNED
M-B-111	110TH FLOOR PLAN
M-B-112	MAIN LOBBY - SECTIONS AND DETAILS
M-B-113	MAIN LOBBY - SECTIONS AND DETAILS
M-B-114	UNASSIGNED 1
M-B-115	UNASSIGNED
M-B-116	SHAFT RISER DIAGRAM - SUB-LEVEL #5-7TH FLOOR SH #1
M-B-117	SHAFT RISER DIAGRAM - SUB-LEVEL #5-7TH FLOOR SH #1
M-B-118	RISER DIAGRAM - WEST CORE SHAFTS - 7TH-41ST FLOORS
M-B-119	RISER DIAGRAM - EAST CORE SHAFTS - 7TH-41ST FLOORS
M-B-120	RISER DIAGRAM - INTERIOR CORE SHAFTS - 7TH-41ST FLOORS
M-B-121	RISER DIAGRAM - WEST CORE SHAFTS - 43RD-75TH FLOORS
M-B-122	RISER DIAGRAM - EAST CORE SHAFTS - 43RD-75TH FLOORS
M-B-123	RISER DIAGRAM - INTERIOR CORE SHAFT - 43RD-75TH FLOORS
M-B-124	RISER DIAGRAM - WEST CORE SHAFTS - 77TH-110TH FLOORS
M-B-125	RISER DIAGRAM - EAST CORE SHAFTS - 77TH-110TH FLOORS
M-B-126	RISER DIAGRAM - INTERIOR CORE SHAFTS - 77TH-110TH FLOORS
M-B-127	RISER DIAG. - SOUTH ZONE PERIPHERAL AIR & WATER 7TH-41ST FLS.
M-B-128	RISER DIAG. - WEST ZONE PERIPHERAL AIR & WATER 7TH-41ST FLS.
M-B-129	RISER DIAG. - NORTH ZONE PERIPHERAL AIR & WATER 7TH-41ST FLS.
M-B-130	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 7TH-41ST FLS.
M-B-131	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 43RD-75TH FLS.
M-B-132	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 43RD-75TH FLS.
M-B-133	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 43RD-75TH FLS.
M-B-134	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 43RD-75TH FLS.
M-B-135	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 77TH-108TH FLS.
M-B-136	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 77TH-108TH FLS.
M-B-137	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 77TH-108TH FLS.
M-B-138	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 77TH-108TH FLS.
M-B-139	EQUIPMENT SCHEDULE SHEET No. 1
M-B-140	EQUIPMENT SCHEDULE SHEET No. 2
M-B-141	EQUIPMENT SCHEDULE SHEET No. 3
M-B-142	EQUIPMENT SCHEDULE SHEET No. 4
M-B-143	EQUIPMENT SCHEDULE SHEET No. 5
M-B-144	EQUIPMENT SCHEDULE SHEET No. 6
M-B-145	EQUIPMENT SCHEDULE SHEET No. 7
M-B-146	EQUIPMENT SCHEDULE SHEET No. 8
M-B-147	EQUIPMENT SCHEDULE SHEET No. 9
M-B-148	EQUIPMENT SCHEDULE SHEET No. 10
M-B-149	EQUIPMENT SCHEDULE SHEET No. 11
M-B-150	MOTOR CONTROL CENTER SCHEDULE No. 1 SUB-LEVEL No. 5 M.E.R.
M-B-151	MOTOR CONTROL CENTER SCHEDULE No. 2 7TH FLOOR M.E.R.

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-B-152	MOTOR CONTROL CENTER SCHEDULE #3 41ST FLOOR M.E.R.
M-B-153	MOTOR CONTROL CENTER SCHEDULE #4 75TH FLOOR M.E.R.
M-B-154	MOTOR CONTROL CENTER SCHEDULE #5 108TH FLOOR M.E.R.
M-B-155	DETAILS SHEET #1
M-B-156	DETAILS SHEET #2
M-B-157	DETAILS SHEET #3
M-B-158	DETAILS SHEET #4

PLUMBING DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
P-B-1	DRAWING INDEX, GENERAL NOTES, SYMBOLS, & FIXTURE CONNECTION SCHEDULE
P-B-2	SUB-LEVEL No. 5 M.E.R. LOWER LEVEL PLAN ELEV 242
P-B-3	SUB-LEVEL No. 4 M.E.R. UPPER LEVEL PLAN ELEV. 253
P-B-4	UNASSIGNED
P-B-5	SUB-LEVEL No. 3 - ELEV. 264 FLOOR PLAN
P-B-6	SUB-LEVEL No. 2 - ELEV. 274 FLOOR PLAN
P-B-7	SUB-LEVEL No. 1 - ELEV. 284 FLOOR PLAN
P-B-8	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
P-B-9	1ST FLOOR PLAN - CONCOURSE LEVEL
P-B-10	2ND FLOOR PLAN - PLAZA LEVEL
P-B-11	3RD FLOOR PLAN
P-B-12	4TH FLOOR PLAN
P-B-13	5TH FLOOR PLAN
P-B-14	6TH FLOOR PLAN
P-B-15	7TH FLOOR M.E.R. - LOWER LEVEL PLAN
P-B-16	8TH FLOOR M.E.R. - UPPER LEVEL PLAN
P-B-17	UNASSIGNED
P-B-18	9TH - 18TH FLOOR PLAN
P-B-19	19TH FLOOR PLAN
P-B-20	20TH - 24TH FLOOR PLAN
P-B-21	25TH AND 26TH FLOOR PLAN
P-B-22	27TH - 32ND FLOOR PLAN
P-B-23	33RD AND 34TH FLOOR PLAN
P-B-24	35TH - 40TH FLOOR PLAN
P-B-25	41ST FLOOR M.E.R. - LOWER LEVEL PLAN
P-B-26	42ND FLOOR M.E.R. - UPPER LEVEL PLAN
P-B-27	UNASSIGNED
P-B-28	UNASSIGNED
P-B-29	43RD FLOOR PLAN
P-B-30	44TH FLOOR PLAN - SKYLOBBY
P-B-31	45TH FLOOR PLAN
P-B-32	46TH FLOOR PLAN
P-B-33	47TH FLOOR PLAN
P-B-34	48TH FLOOR PLAN
P-B-35	49TH - 54TH FLOOR PLAN
P-B-36	55TH - 58TH FLOOR PLAN
P-B-37	59TH FLOOR PLAN
P-B-38	60TH AND 61ST FLOOR PLAN
P-B-39	62ND AND 63RD FLOOR PLAN
P-B-40	64TH - 67TH FLOOR PLAN
P-B-41	68TH - 73RD FLOOR PLAN
P-B-42	74TH FLOOR PLAN
P-B-43	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
P-B-44	76TH FLOOR M.E.R. - UPPER LEVEL PLAN
P-B-45	UNASSIGNED
P-B-46	UNASSIGNED
P-B-47	77TH FLOOR PLAN
P-B-48	78TH FLOOR PLAN - SKYLOBBY
P-B-49	79TH FLOOR FLOOR PLAN
P-B-50	80TH AND 81ST FLOOR PLAN
P-B-51	82ND FLOOR PLAN
P-B-52	83RD - 86TH FLOOR PLAN
P-B-53	87TH - 92ND FLOOR PLAN
P-B-54	93RD FLOOR PLAN
P-B-55	94TH - 102ND FLOOR PLAN
P-B-56	103RD - 106TH FLOOR PLAN
P-B-57	107TH FLOOR PLAN
P-B-58	108TH FLOOR M.E.R. - LOWER LEVEL PLAN
P-B-59	109TH FLOOR M.E.R. - UPPER LEVEL PLAN
P-B-60	110TH FLOOR PLAN
P-B-61	BULK HEAD ROOF & COPING PLAN
P-B-62	UNASSIGNED

PLUMBING DRAWINGS

DWG. No.	TITLE
P-B-63	UNASSIGNED
P-B-64	DETAIL SHEET No. 1
P-B-65	DETAIL SHEET No. 2
P-B-66	DETAIL SHEET No. 3
P-B-67	DETAIL SHEET No. 4
P-B-68	DETAIL SHEET No. 5
P-B-69	DETAIL SHEET No. 6
P-B-70	DETAIL SHEET No. 7
P-B-71	DETAIL SHEET No. 8
P-B-72	DETAIL SHEET No. 9
P-B-73	DETAIL SHEET No. 10
P-B-74	DETAIL SHEET No. 11
P-B-75	SANITARY WATER AND F.S.P. - SUB-LEVEL RISER DIAG.
P-B-76	SANITARY RISER DIAGRAM SHEET No. 1
P-B-77	SANITARY RISER DIAGRAM SHEET No. 2
P-B-78	SANITARY RISER DIAGRAM SHEET No. 3
P-B-79	SANITARY RISER DIAGRAM SHEET No. 4
P-B-80	SANITARY RISER DIAGRAM SHEET No. 5
P-B-81	SANITARY RISER DIAGRAM SHEET No. 6
P-B-82	WATER RISER DIAGRAM SHEET No. 1
P-B-83	WATER RISER DIAGRAM SHEET No. 2
P-B-84	WATER RISER DIAGRAM SHEET No. 3
P-B-85	WATER RISER DIAGRAM SHEET No. 4
P-B-86	WATER RISER DIAGRAM SHEET No. 5
P-B-87	WATER RISER DIAGRAM SHEET No. 6
P-B-88	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 1
P-B-89	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 2
P-B-90	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 3
P-B-91	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 4
P-B-92	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 5
P-B-93	LEADER, AND F.S.P. RISER DIAGRAM SHEET No. 6
P-B-94	PLUMBING EQUIPMENT SCHEDULE SHEET No. 1
P-B-95	PLUMBING EQUIPMENT SCHEDULE SHEET No. 2
P-B-96	UNASSIGNED
P-B-97	UNASSIGNED

ELEVATOR DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
L-B-1	DRAWING INDEX
L-B-2	ZONE I - PIT PLANS - BANKS A-B-C-D - SHUTTLE & FREIGHT ELEV.
L-B-3	ZONE I - RISER - BANKS A-B - SECONDARY & MACHINE RM. PLANS
L-B-4	ZONE I - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-B-5	ZONE I - ELEVATIONS BANKS A-B-C-D
L-B-6	ZONE II - PIT PLANS - BANKS A-B-C-D
L-B-7	ZONE II - RISER - BANKS - A B - SECONDARY & MACHINE RM. PLANS
L-B-8	ZONE II - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-B-9	ZONE II - ELEVATION - BANKS A-B-C-D
L-B-10	ZONE III - PIT PLANS - BANKS A-B-C-D
L-B-11	ZONE III - RISER - BANKS A-D - SECONDARY & MACHINE RM. PLANS
L-B-12	ZONE III - RISER - BANKS B-C - SECONDARY & MACHINE RM. PLANS
L-B-13	ZONE III - ELEVATIONS - BANKS A-B-C-D
L-B-14	FREIGHT ELEVATORS - #48-49-50 - ELEVATIONS - SEC. & MACH. RM. PLANS
L-B-15	SHUTTLE ELEVATORS Nos 1-11 - HOISTWAY PLANS
L-B-16	SHUTTLE ELEVATORS M.G. ROOMS
L-B-17	ZONE II SHUTTLE ELEVATORS - SECONDARY LEVEL
	F.E. #99 ELEVATION - SECONDARY LEVEL - #6-7 - F.E. #50
L-B-18	ZONE II - SHUTTLE ELEVATORS - MACHINE ROOM
	F.E. #99 MACHINE ROOM - F.E. #50 MACHINE ROOM
L-B-19	SHUTTLE ELEVATORS Nos 12-23 - HOISTWAY PLANS
L-B-20	ZONE III SHUTTLE ELEVATORS - SECONDARY LEVEL
L-B-21	ZONE III SHUTTLE ELEVATORS - MACHINE ROOM
L-B-22	ZONE II-III - SHUTTLE ELEVATOR ELEVATIONS
L-B-23	SHUTTLE AND FREIGHT ELEVATOR RISER - PLOT PLAN
L-B-24	ESCALATORS A-3 - A-10 - DETAILS
L-B-25	ESCALATORS A-1 - A-2 - DETAILS
L-B-26	ESCALATORS PLOT PLAN

ELECTRICAL DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
E-B-1	DRAWING INDEX
E-B-2	LIGHTING AND POWER - SUB-LEVEL No. 5 - ELEV. 242 M.E.R.
E-B-3	LIGHTING AND POWER - SUB-LEVEL No. 4 - ELEV 253 M.E.R.
E-B-4	LIGHTING AND POWER - SUB-LEVEL No. 3 - ELEV. 264
E-B-5	LIGHTING AND POWER - SUB-LEVEL No. 2 - ELEV. 274
E-B-6	LIGHTING AND POWER - SUB-LEVEL No. 1 - ELEV. 284
E-B-7	LIGHTING AND POWER - SERVICE LEVEL - ELEV 294
E-B-8	LIGHTING AND POWER - 1ST FLOOR - CONCOURSE
E-B-9	LIGHTING AND POWER - 2ND FLOOR - PLAZA
E-B-10	LIGHTING AND POWER - 3RD - 5TH FLOORS
E-B-11	LIGHTING AND POWER - 6TH FLOOR
E-B-12	LIGHTING AND POWER - 7TH FLOOR M.E.R.
E-B-13	LIGHTING AND POWER - 8TH FLOOR M.E.R.
E-B-14	UNASSIGNED
E-B-15	UNASSIGNED
E-B-16	LIGHTING AND POWER - 9TH - 16TH FLOORS
E-B-17	LIGHTING AND POWER - 17TH AND 18TH FLOORS
E-B-18	LIGHTING AND POWER - 19TH - 24TH FLOORS
E-B-19	LIGHTING AND POWER - 25TH AND 26TH FLOORS
E-B-20	LIGHTING AND POWER - 27TH - 32ND FLOORS
E-B-21	LIGHTING AND POWER - 33RD AND 34TH FLOORS
E-B-22	LIGHTING AND POWER - 35TH - 40TH FLOORS
E-B-23	LIGHTING AND POWER - 41ST FLOOR M.E.R.
E-B-24	LIGHTING AND POWER - 42ND FLOOR M.E.R.
E-B-25	UNASSIGNED
E-B-26	UNASSIGNED
E-B-27	LIGHTING AND POWER - 43RD FLOOR
E-B-28	LIGHTING AND POWER - 44TH FLOOR - SKYLOBBY
E-B-29	LIGHTING AND POWER - 45TH FLOOR
E-B-30	LIGHTING AND POWER - 46TH FLOOR
E-B-31	LIGHTING AND POWER - 47TH FLOOR
E-B-32	LIGHTING AND POWER 48TH FLOOR
E-B-33	LIGHTING AND POWER 49TH FLOOR
E-B-34	LIGHTING AND POWER 50TH - 54TH FLOORS
E-B-35	LIGHTING AND POWER 55TH AND 56TH FLOORS
E-B-36	LIGHTING AND POWER - 57TH AND 58TH, 60TH AND 61ST FLS.
E-B-37	LIGHTING AND POWER - 59TH FLOOR
E-B-38	LIGHTING AND POWER - 62ND AND 63RD FLOORS
E-B-39	LIGHTING AND POWER - 64TH - 66TH FLOORS
E-B-40	LIGHTING AND POWER - 67TH FLOOR
E-B-41	LIGHTING AND POWER - 68TH AND 69TH FLOORS
E-B-42	LIGHTING AND POWER - 70TH - 73RD FLOORS
E-B-43	LIGHTING AND POWER - 74TH FLOOR
E-B-44	LIGHTING AND POWER - 75TH FLOOR M.E.R.
E-B-45	LIGHTING AND POWER - 76TH FLOOR M.E.R.
E-B-46	UNASSIGNED
E-B-47	UNASSIGNED
E-B-48	LIGHTING AND POWER - 77TH FLOOR
E-B-49	LIGHTING AND POWER - 78TH FLOOR
E-B-50	LIGHTING AND POWER - 79TH FLOOR
E-B-51	LIGHTING AND POWER - 80TH FLOOR
E-B-52	LIGHTING AND POWER - 81ST FLOOR
E-B-53	LIGHTING AND POWER - 82ND FLOOR
E-B-54	LIGHTING AND POWER - 83RD FLOOR
E-B-55	LIGHTING AND POWER - 84TH - 86TH FLOORS
E-B-56	LIGHTING AND POWER - 87TH AND 88TH FLOORS
E-B-57	LIGHTING AND POWER - 89TH - 93RD FLOORS
E-B-58	LIGHTING AND POWER - 94TH AND 95TH FLOORS
E-B-59	LIGHTING AND POWER - 96TH - 100TH FLOORS
E-B-60	LIGHTING AND POWER - 101ST AND 102ND FLOORS
E-B-61	LIGHTING AND POWER - 103RD FLOOR
E-B-62	LIGHTING AND POWER - 104TH FLOOR
E-B-63	LIGHTING AND POWER - 105TH AND 106TH FLOORS
E-B-64	LIGHTING AND POWER - 107TH FLOOR RESTAURANT
E-B-65	LIGHTING AND POWER - 108TH FLOOR
E-B-66	LIGHTING AND POWER - 109TH FLOOR
E-B-67	LIGHTING AND POWER - 110TH FLOOR
E-B-68	ROOF AND BULKHEAD PLAN
E-B-69	UNASSIGNED
E-B-70	UNASSIGNED
E-B-71	UNASSIGNED
E-B-72	SUB-STATION SS - PA - SERVICE LEVEL ELEV. 294'-0"
E-B-73	SUB-STATION SS - 7W - 7TH FLOOR WEST
E-B-74	SUB-STATION SS - 7E - 7TH FLOOR EAST
E-B-75	SUB-STATION SS - 41W - 41ST FLOOR WEST

ELECTRICAL DRAWINGS

DWG. No.	TITLE
E-B-76	SUB-STATION SS - 41E - 41ST FLOOR EAST
E-B-77	SUB-STATION SS - 75W - 75TH FLOOR WEST
E-B-78	SUB-STATION SS - 75E - 75TH FLOOR EAST
E-B-79	SUB-STATION SS - 108W - 108TH FLOOR WEST
E-B-80	SUB-STATION SS - 108E - 108TH FLOOR EAST
E-B-81	UNASSIGNED
E-B-82	UNASSIGNED
E-B-83	ELECTRIC CLOSET PLANS AND SECTIONS - GENERAL
E-B-84	ELECTRIC CLOSET - PLANS AND SECTIONS - 43RD TO 46TH FLS. (NORTH)
E-B-85	ELECTRIC CLOSET - PLANS AND SECTIONS - 106TH TO 108TH FLS. (SOUTH)
E-B-86	ELECTRIC CLOSET - CLOSET 'C'
E-B-87	UNASSIGNED
E-B-88	UNASSIGNED
E-B-89	LIGHT AND POWER RISER DIAG - SUB. - LEVEL No. 5 - 24TH FLOOR
E-B-90	LIGHT AND POWER RISER DIAG - 25TH - 58TH FLOORS
E-B-91	LIGHT AND POWER RISER DIAG - 59TH - 92ND FLOORS
E-B-92	LIGHT AND POWER RISER DIAG - 93RD - 110TH FLOORS
E-B-93	ANTI INTRUSSION ALARM AND TENANT LTG. CONTROL RISER DIAGRAM AND DETAILS
E-B-94	EMERG. LT'G AND RECEPT. RISER DIA. - SUB-LEVEL No. 5 - 24TH FLS.
E-B-95	EMERG LT'G AND RECEPT. RISER DIA. - 25TH - 58TH FLOORS
E-B-96	EMERG. LT'G AND RECEPT. RISER DIA. - 59TH - 92ND FLOORS
E-B-97	EMERG. LT'G AND RECEPT. RISER DIA. - 93RD - 110TH FLOORS
E-B-98	FIRE COMMUNICATION SYSTEM RISER DIAGRAM
E-B-99	EMERG. POWER CENTER & TRANSFER SWITCH SCHEDULES & WIRING DIAGS.
E-B-100	ELEVATOR DISTRIBUTION PANEL SCHEDULES & ELEVATIONS
E-B-101	UNASSIGNED
E-B-102	UNASSIGNED
E-B-103	UNASSIGNED
E-B-104	MOTOR CONTROL CENTER SCHEDULES - SUB-LEVEL No. 5 & 7TH FL.
E-B-105	MOTOR CONTROL CENTER SCHEDULES - 41ST AND 75TH FLOORS
E-B-106	MOTOR CONTROL CENTER SCHEDULES - 75TH AND 108TH FLOORS
E-B-107	MOTOR, FIRE STANDPIPE, & SMOKE DETECTOR SYSTEM WIRING DIAGRAMS & SCHEDULES
E-B-108	UNASSIGNED
E-B-109	LIGHTING AND RECEPT. PANEL SCHEDULES - 9TH - 24TH FLS.
E-B-110	LIGHTING AND RECEPT. PANEL SCHEDULES - 25TH - 40TH FLS.
E-B-111	LIGHTING AND RECEPT. PANEL SCHEDULES - 43RD - 58TH FLS.
E-B-112	LIGHTING AND RECEPT. PANEL SCHEDULES - 59TH - 74TH FLS.
E-B-113	LIGHTING AND RECEPT. PANEL SCHEDULES - 77TH - 92ND FLS.
E-B-114	LIGHTING AND RECEPT. PANEL SCHEDULES - 93RD - 107TH FLS.
E-B-115	EMERG. AND HOUSE LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-B-116	UNASSIGNED
E-B-117	UNASSIGNED
E-B-118	LIGHTING PANEL REMOTE CONTROL SYSTEM DIAGRAMS
E-B-119	LIGHTING PROTECTION SYSTEM DETAILS
E-B-120	GROUNDING SYSTEM DETAILS
E-B-121	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-B-122	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-B-123	FLOOR SYSTEM DETAILS - SERVICE FITTINGS
E-B-124	ALTERNATE CEILING WIRING SYSTEM PERSPECTIVE VIEW AND ASSEMBLY DRAWING
E-B-125	ALTERNATE CEILING WIRING SYSTEM WIRING DEVICE AND FITTING DETAILS
E-B-126	PRIMARY FEEDER SPLICE DETAILS
E-B-127	PULL & SPLICE CABINET AND CABLE SUPPORT DETAILS
E-B-128	PULL & SPLICE CABINET & PRIMARY CONDUIT RISER ELEVATION
E-B-129	UNASSIGNED
E-B-130	MISCELLANEOUS DETAILS
E-B-131	PANEL BOARD - BUS DUCT & OUTLET BOX SUPPORT DETAILS FOR GYP. PLANK
E-B-132	TEMPORARY PAGING LIGHT, & POWER RISER DIAGRAM SUB-LEVEL No. 5 - 24TH FLOORS
E-B-133	TEMPORARY PAGING, LIGHT, & POWER RISER DIAGRAM 25TH - 58TH FLOORS
E-B-134	TEMPORARY PAGING LIGHT & POWER RISER DIAGRAM 59TH - 92ND FLOORS
E-B-135	TEMPORARY PAGING LIGHT & POWER RISER DIAGRAM 93RD - 110TH FLOORS
E-X-1	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION ELEVATION 280-284 SECTION [illegible]
E-X-2	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION ELEVATION 280-284 SECTION K
E-X-3	PRIMARY DISTRIBUTION CENTER PANEL ELEVATIONS & SCHEDULES
E-X-4	PRIMARY SERVICE & DISTRIBUTION SECTIONS AND DETAILS
E-X-5	TEMPORARY SERVICE VAULT AND SWITCHBOARD SCHEDULE
E-X-6	PLAN OF LIGHTNING PROTECTION AND GROUNDING SYSTEM AT ELEVATION 280-284
E-X-7	13 KV SERVICE AND DISTRIBUTION SYSTEM RISER DIAGRAM.
E-X-8	SINGLE LINE DIAGRAM - PLAZA
E-X-9	SINGLE LINE DIAGRAM - TOWER A
E-X-9A	SINGLE LINE DIAGRAM - TOWER B
E-X-10	EMERGENCY SINGLE LINE DIAGRAM
E-X-11	DETAIL OF FIRE PUMP CONTROL STATION, TRANSFER SWITCH CONTROL [illegible] & EMERGENCY CONTROL SYSTEM & RISER DIAGRAM.
E-X-12	UNASSIGNED
E-X-13	UNASSIGNED

CONTRACT BID DRAWING date 3-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				2	11-24-70	B-57	D.G.
				1	8-1-68	B-6	R.H.
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. [illegible] STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

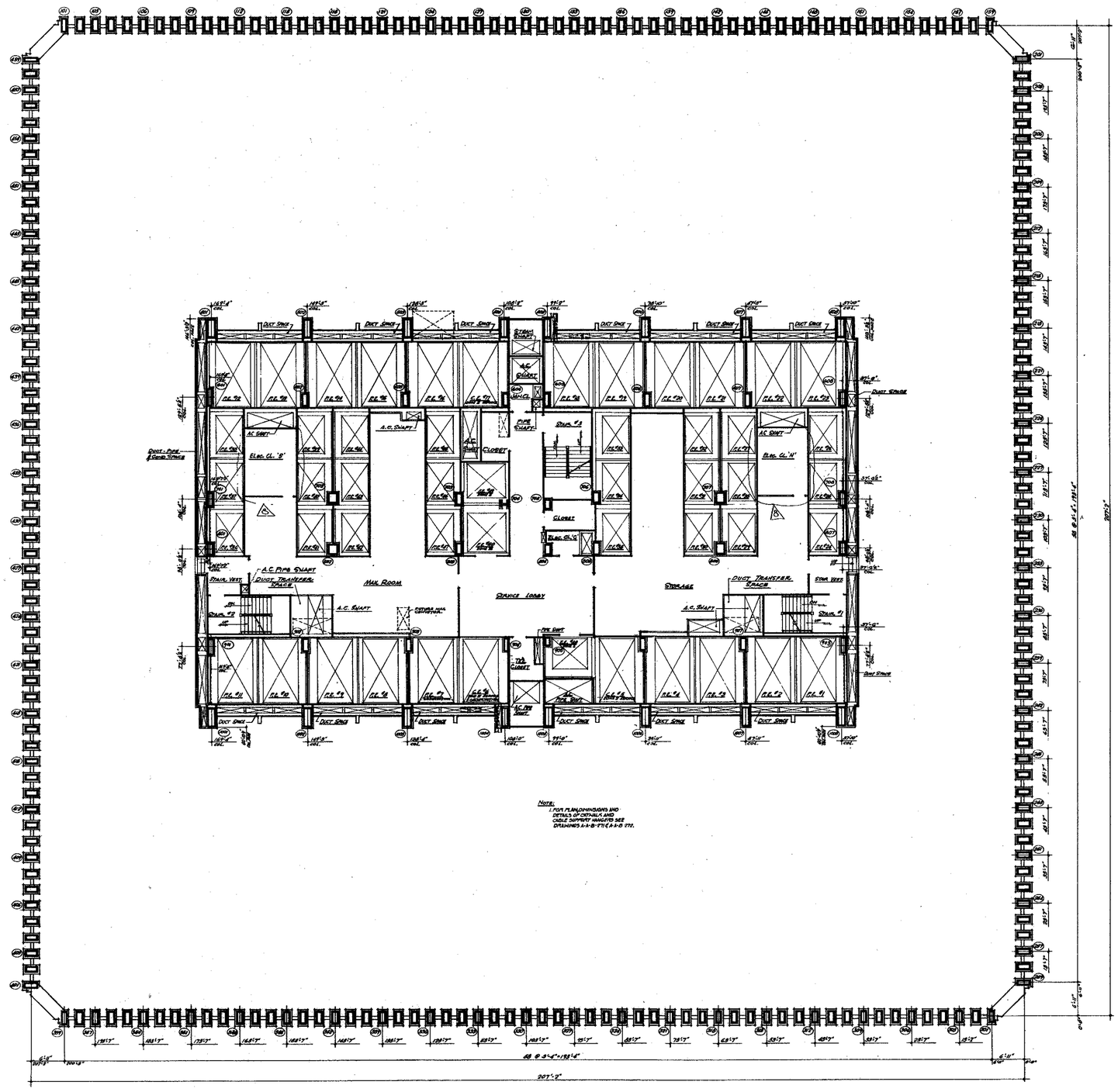
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS — MECHANICAL TRADES

DRAWN		CHECKED	
SCALE	NONE	DATE	7-3-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-3		



NOTE:
1. FOR FLANGE DIMENSIONS AND DETAILS OF DETAILS AND CABLE SUPPORT BRACKETS SEE DRAWINGS S-1-B-771 & S-1-B-772.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATION, FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULES OF DRAWING SEE DRAWING # A-0-1 TO A-0-8
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 4" SCALE CORE DRAWING # A-B-31.
3. ALL ELEVATIONS OVER THAT (+ 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (209'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN ELEVATOR, STAIR, PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CABLING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION (CONTRACT "B" DRAWING Jan 3-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-36	L.W.
2	5-22-70	B-18	L.W.
3	5-29-70	B-17	A.M.
4	9-29-69	B-13	L.W.
5	9-29-69	B-9	L.W.
6	9-29-69	B-11	E.C.
7	9-29-69	B-15	E.C.
8	5-1-68	B-1	R.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

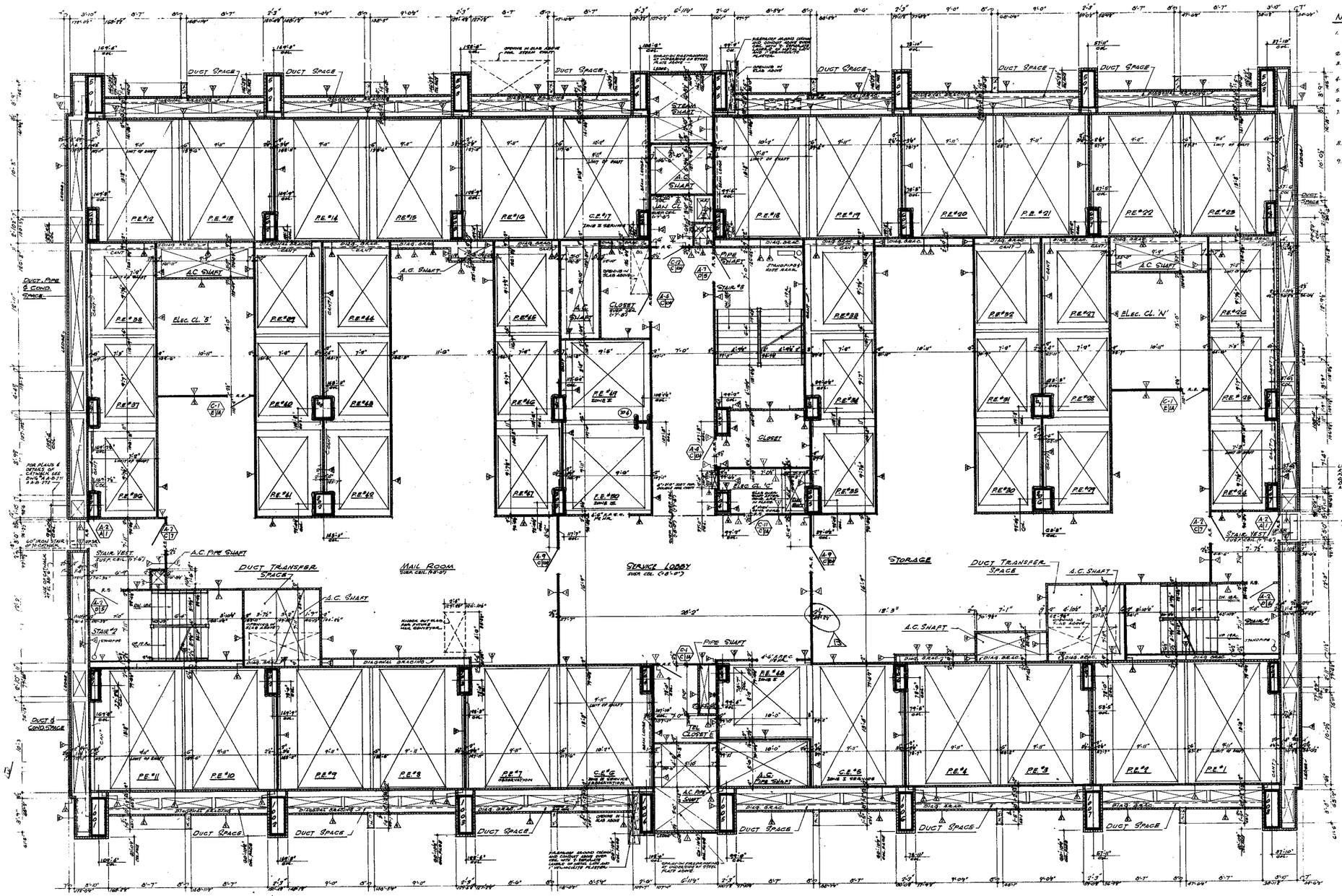
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 6TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-30		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING# A-B-30
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE APPROPRIATE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. #'S A-A-206 TO A-A-212
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (6'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 10" FROM UNDERSIDE. SEE TYPICAL DETAILS.
9. FOR TYPICAL SHAFT "ON DETAILS SEE DRAWINGS # A-B-206 TO A-B-212

BULLETINS NOT DATED ARE IN THE RECORD OF COMPLETION

CONTRACT	BID	DRAWING date 8-1-68		
		11-26-70	B-76	D.G.
		5-22-70	B-68	L.W.
		5-22-70	B-67	L.W.
		9-29-69	B-12	E.P.C.
		9-29-69	B-18	E.P.C.
		9-29-69	B-9	E.P.C.
		9-29-69	B-21	E.P.C.
6-28-71	B-118	D-7	9-29-69	B-13	E.P.C.
1-28-71	B-64	L.W.	5-1-68	B-6	K.T.H.
11-24-70	B-76	D.G.	5-1-68	B-1	D.G.

NO.	DATE	BUL. NO.	BY
REVISIONS			

NO.	DATE	BUL. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT NEW YORK

1/32"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

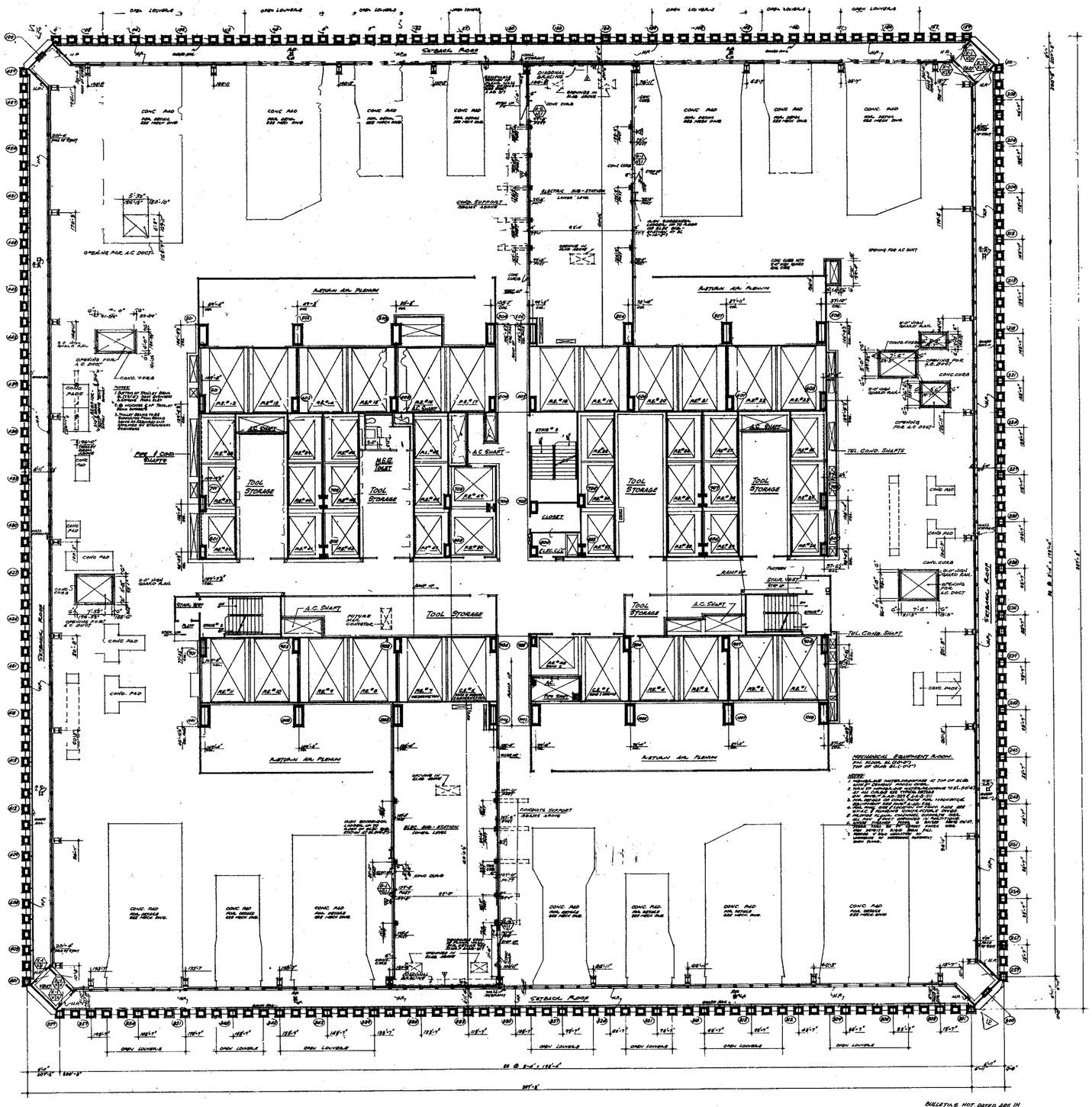
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-31		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS# A.0-1 TO A.0-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING# A.0-35
3. ALL ELEVATIONS GIVEN THUS (12'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATION (12'-0"). TOP OF SLAB ELEVATION (-0'-8") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR, PARKLARTE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION CLEARANCE OF FULL HEIGHT DOORS.
7. ELEVATION TO TOP OF ALL CONCRETE SLABS TO BE (-0-8") UNLESS OTHERWISE NOTED OR SHOWN

CONTRACT	BID	DRAWING date 8-1-68			
		12	9-7-73	B-160	L.V.
		11	11-23-71	B-136	L.V.
		10	8-28-70	B-46	J.M.
		9	7-21-69	B-8	D.L.
		8	9-24-69	B-9	D.L.
		7	9-24-69	B-19	D.L.
		6	9-24-69	B-64	D.L.
		5	9-24-69	B-18	D.L.
4	6-18-68	B-207	D.S.	4 11-1-68	B-7 R.R.
3	VOID	B-199	L.L.	3 8-1-68	B-1 D.G.

NO. DATE BUL. NO. BY — REVISIONS — NO. DATE BUL. NO. BY — REVISIONS

BULLETIN # NOT DATED ARE IN THE PROCESS OF COMPLETION

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — PROFESSIONAL ENGINEER — STATE OF NEW YORK — NO. — SEAL

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 7TH FLOOR PLAN
LOWER MECH EQUIP RM. LEVEL

DRAWN		CHECKED	
SCALE	8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·32		

NORTH

NOTES

1. FOR GENERAL NOTES KEY TO MATERIALS SYMBOLS ABBREVIATIONS FINISH SCHEDULES DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-5
2. FOR COMPLETE 'G' SCALE FLOOR PLAN SEE DRAWING A-B-32
3. ALL ELEVATIONS GIVEN, THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-AB-506 AND A-AB-508
6. SHOW FLOOR ELEVATION (+0'-0"), TOP OF SLAB ELEVATION (-0'-8") UNLESS OTHERWISE SHOWN ON LAYOUT.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES, ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. JOINTS REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (12" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS SHALL BE MINIMUM 2" MASAN VIBRA-CONTROL, SEE TYPICAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-506 TO A-AB-516
10. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (+0'-8") UNLESS OTHERWISE SHOWN OR NOTED

NOTES

1. NONLEAKAGE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TOPS OF NONLEAKAGE WATERPROOFING TO (+0'-8") AT ALL CURBS SEE TYPICAL DETAIL ON DWG A-AB-504 & A-AB-511
3. FOR OPENINGS OR CONC. PADS FOR MECHANICAL EQUIPMENT SEE DWG # A-AB-506
4. FOR FINAL SIZE & LOCATION OF CONCRETE PADS SEE H.V.A.C. & PLUMBING CONTRACTORS DRAWINGS.
5. TRACTION PLANKS, CHANNEL SUPPORTS OVER ALL PIT & SHAFT OPENINGS IN PARTITIONS SEE DETAILS A-AB-514
6. WHERE FINISHED FLOOR IS RAISED ABOVE (+0'-0") FLOOR, SHALL BE 2" CEMENT FINISH OVER, HIGH DENSITY RIGID FOAM FILL.
7. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

COLUMN DETAILS
SCALE 3/4"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	5-8-68	B-167	L.J.
2	5-8-68	B-168	L.C.
3	9-7-70	B-180	L.J.
4	11-23-71	B-...	L.J.
5	11-22-70	B-78	D.G.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	5-22-68	B-80	L.J.
2	5-22-70	B-86	J.W.
3	9-27-68	B-12	D.L.
4	9-27-68	B-9	D.L.
5	9-27-68	B-19	D.L.
6	9-27-68	B-16	D.L.
7	9-27-68	B-13	D.L.
8	11-1-68	B-7	D.G.
9	5-1-69	B-6	D.G.
10	5-1-69	B-1	D.G.

REVISIONS

CONTRACT BID DRAWING date 8-1-68

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — KINORU YAMASAKI — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

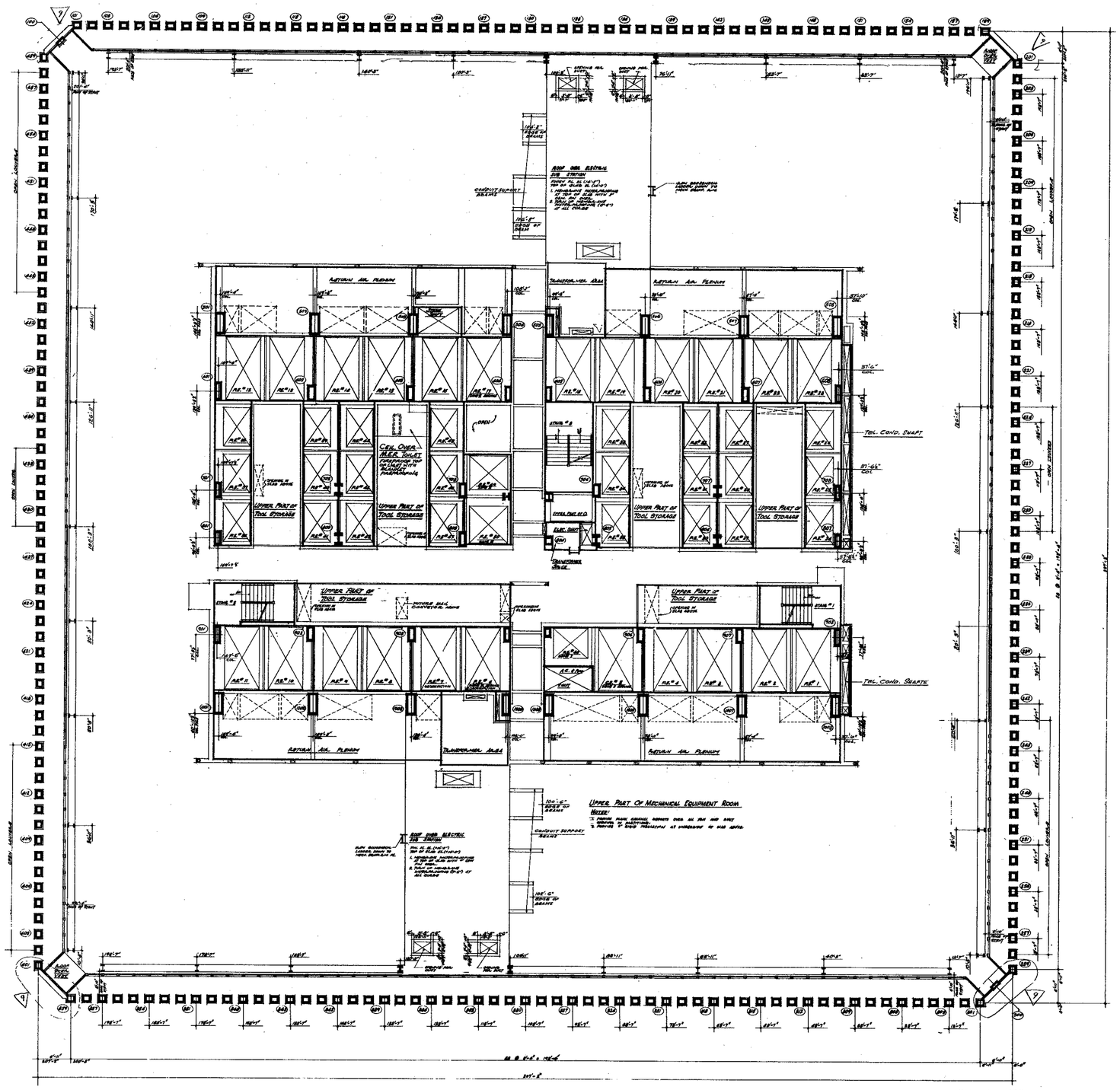
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 7TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-33		


NATURAL AIR PLENUM
TRANSFORMER AREA
ROOF LEVEL ELECTRIC SUB STATION
CONDUIT SUPPORT BEAMS
CEIL. OVER M.E.R. TOILET
UPPER PART OF TOOL STORAGE
TOIL. COND. SHAFT
TOIL. COND. SHAFTS
UPPER PART OF MECHANICAL EQUIPMENT ROOM
HOISTWAY
STAIR #2
STAIR #1
ELEC. SHAFT
TRANSFORMER VAULT
ROOF LEVEL ELECTRIC SUB STATION
CONDUIT SUPPORT BEAMS
ROOF DRAIN
37'-0" CONC.
87'-6½" CONC.
97'-7½" CONC.
97'-10" CONC.
97'-11" CONC.
97'-11½" CONC.
97'-11¾" CONC.
97'-11¾" CONC.
97'-11¾

ROOF OVER ELEC. SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

NORTH

NOTES

1. FOR GENERAL NOTES KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLS OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-B-34.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH 1ST FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. #A18-2.6 AND A18-2.8
6. CAULTS ARE REQUIRED ON ALL AREAS PROJECTIONS OVER 2'-0" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATION SHAFTS AND WALLS OR MINIMUM "I" FROM ESSENTIAL SEE TYPICAL DETAILS
7. FOR TYPICAL PARTITION DETAILS SEE DWGS. A A18-7.0 TO A A18-7.5

Typ. Core Shafts

Upper Part of Mechanical Equipment Room

NOTES

1. PROVIDE STEEL CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS
2. PROVIDE 6" FIBER INSULATION AT ENDWALLS OF BEAM.

Typ. Core Shafts

1/4"=1'-0" 0 1' 2' 3' 4' 8' 42'

CONTRACT BID DRAWING date 8-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
3	3-8-78	B-187	L.J.
2	3-7-78	B-150	L.J.
1	9-29-69	B-13	E.C.
2	9-29-69	B-9	E.C.
3	9-29-69	B-19	E.C.
4	9-29-69	B-24	E.C.
5	9-29-69	B-18	E.C.
6	11-1-68	B-7	R.K.
7	8-1-68	B-6	R.T.R.
8	8-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — WARREN THE FINCH

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

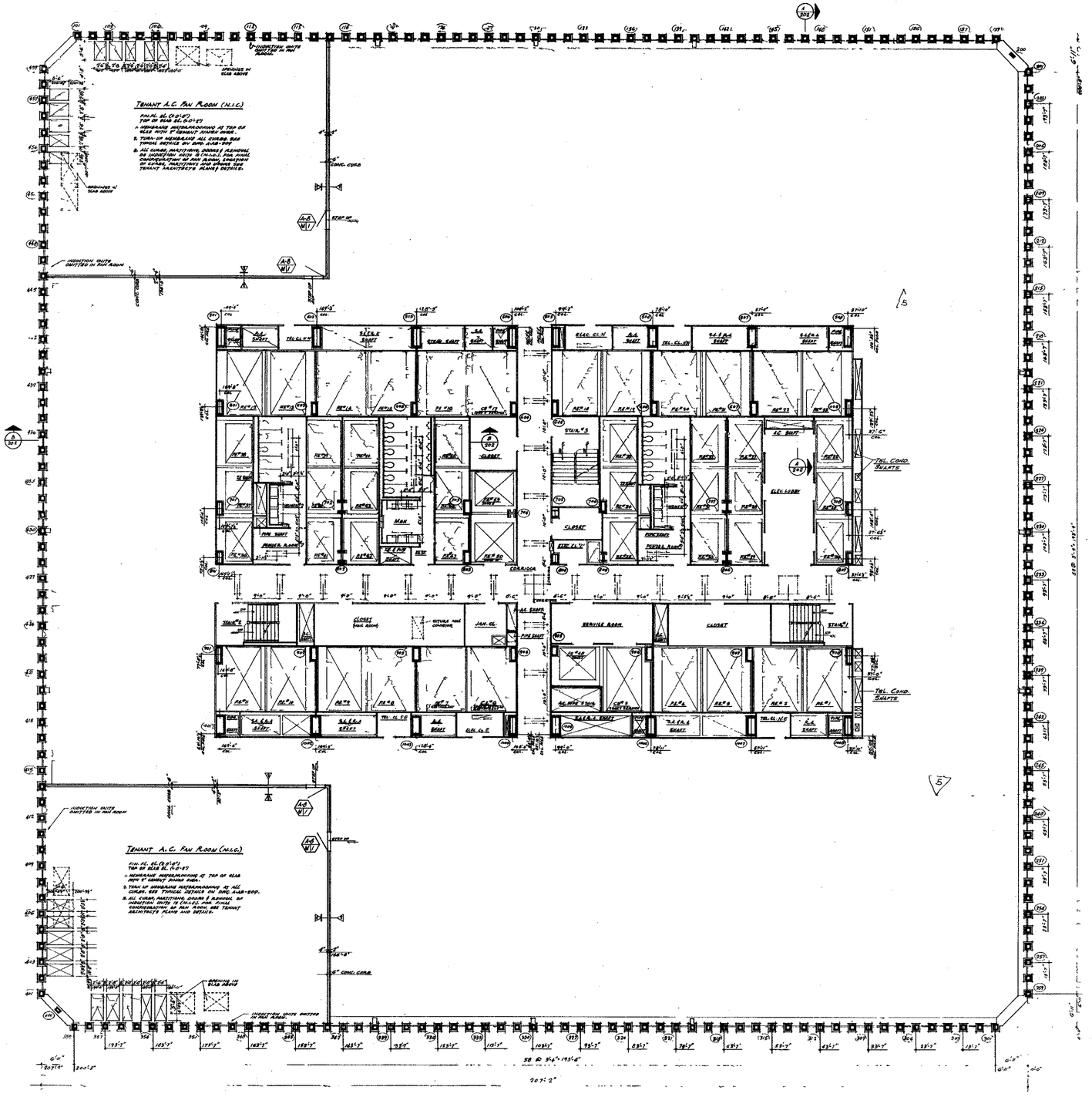
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 8TH FLOOR CORE PLAN
UPPER MECHANICAL LEVEL

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·35		



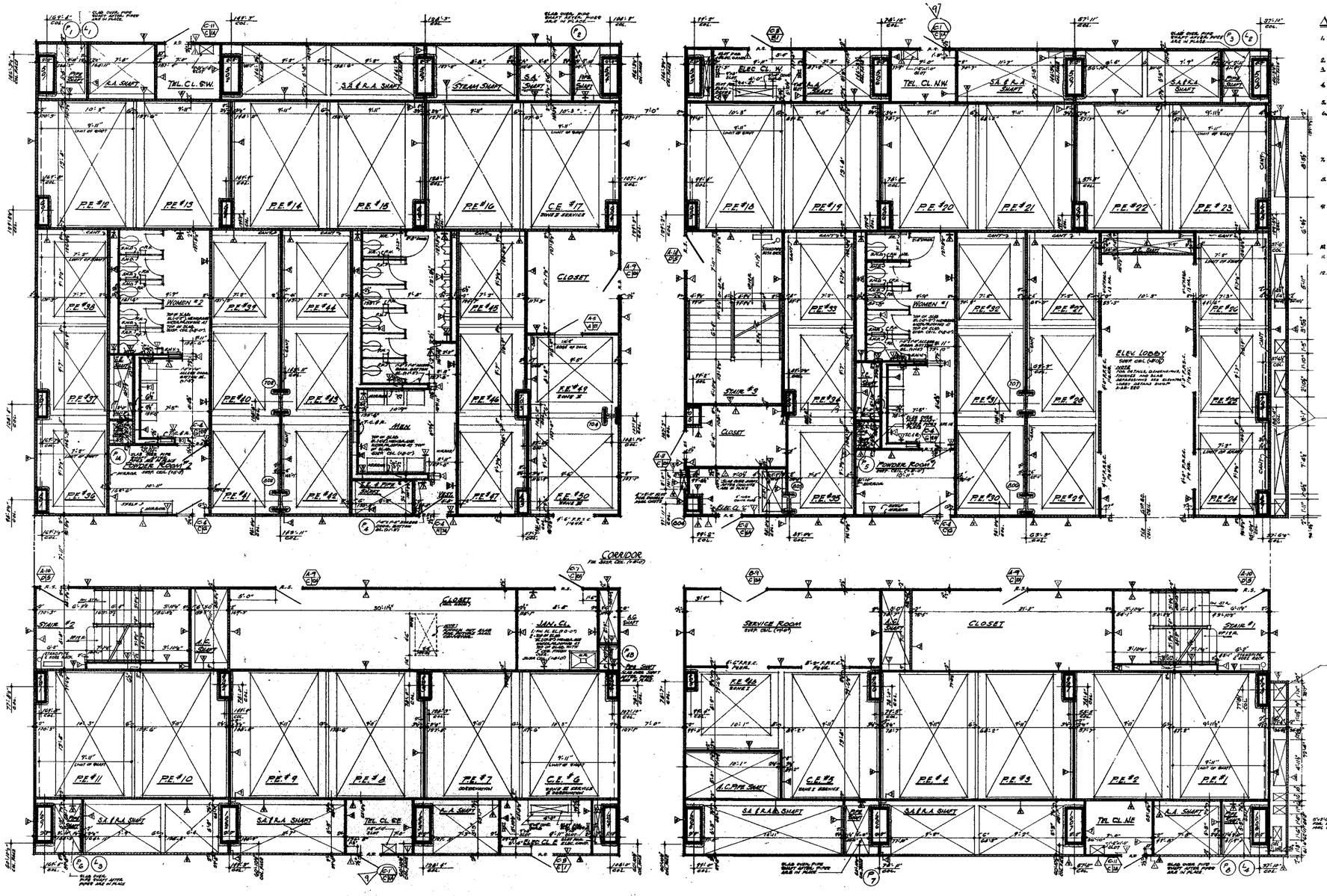
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SKYLIGHTS AND SCREENING OF DRAWING SEE DRAWINGS A-A-0-1 TO A-A-0-6
2. FOR COMPLETE DIMENSIONS OUT AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-0 37.
3. ALL ELEVATION GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBSIDIARY DRAWING.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIRE PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL SUBCONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORE DOOR & TOILET LIGHTING LAYOUT AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-9" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION:
CONTRACT 180 — DRAWING - date 8-1-68

NO.	DATE	BUL. NO.	BY



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING # A-B-36
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS# A-B-204, & A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. "FINISH FL. ELEVATION # TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOOR TO SOAP DISPENSER VALVE TO BE LOCATED IN ACCORDANCE WITH TILE COUNTING. SEE TYPICAL TOILET DETAILS DRAWING "A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR ROTARY CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 16" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR TYPICAL PARTITION DETAILS SEE DWGS. # A-AB-206 TO A-AB-212

COLUMN DETAILS
SCALE: 1/2"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
		11-23-71	B-186	L.L.
		9-29-69	B-91	L.L.
		9-29-69	B-25	L.L.
		9-29-69	B-26	E.C.
		9-29-69	B-18	E.C.
		9-29-69	B-12	E.C.
		9-29-69	B-9	E.C.
		9-29-69	B-13	E.C.
		8-1-68	B-6	K.T.A.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

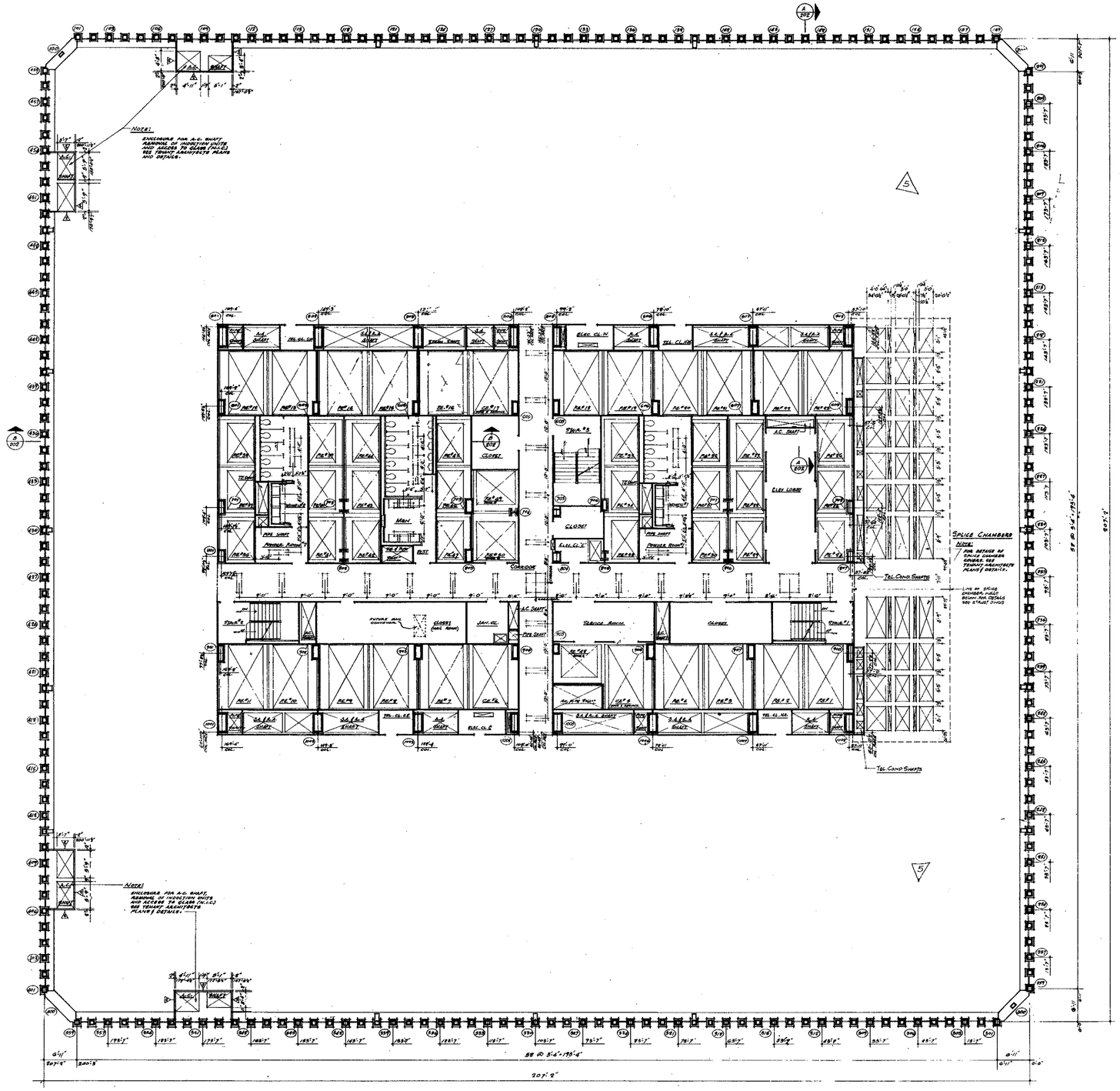
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0" 1' 2' 3' 4' 8" 12'

TITLE: 9TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-37		



NOR-H

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWING SEE DRAWING # A-1.1 TO A-1.6
2. FOR COMPLETE DIMENSIONING AND NOTES IN CORE AREA SEE 9 SCALE CORE DRAWING # A-5.01
3. ALL ELEVATION GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWING
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAYED TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL MAINS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION CONTRACT BID DRAWING Date 12-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-56	L.J.
2	9-28-69	B-38	L.J.
3	5-21-69	B-14	R.M.
4	4-29-69	B-1	ATH
5	4-29-69	B-12	ATH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — PROFESSIONAL ENGINEER — STATE OF NEW YORK — No. 035

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0" (0, 4', 8', 16', 24')

TITLE: 10TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·38		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-38
3. ALL ELEVATIONS GIVEN THUS (5'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. # A-B-204, & A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FL. ELEVATION & TOP OF SLAB ELEVATIONS ARE (5'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOME OUTLETS/AREA IN MEN AND WOMENS TOILETS, CHECKROOMS AT EACH JANITORS CLOSETS DOORS TO BE LOCATED IN ACCORDANCE WITH THIS COUPLING. SEE TYPICAL TOILET DETAILS DWG. # A-AB-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES, ETC., BOTTOM ELEVATION OF ALL INTERIOR AND EXTERIOR SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. UNITS ARE ORDERED ON A MODULAR PRINCIPLE USING 4" NOMINAL I.C. ACTUAL DIMENSION IN MINIMUM WIDTH AND SHALL BE MINIMUM 75" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR TYPICAL PARTY DETAILS SEE DRAWINGS A-AB-206 TO A-AB-216.

"EL COND SHAFTS

SPLICE CHAMBER SLOTS
1. FOR DIMENSIONS SEE 8" SCALE DRAWING # A-B-38
2. FOR DETAILS OF SPLICE CHAMBER COVERS, SEE TENANT ARCHITECTS PLANS & DETAILS.

"EL COND SHAFTS

SPLICE CHAMBER SLOTS
SEE DRAWING #A-B-38
8" SCALE PLAN DWG # A-B-38

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY
1	11-24-70	B-72	L.V.
2	5-22-70	B-49	L.V.
3	7-27-69	B-41	L.V.
4	9-29-69	B-55	L.V.
5	9.29.69	B-14	DL
6	9.29.69	B-15	DL
7	9.29.69	B-25	DL
8	9.29.69	B-9	DL
9	9.29.69	B-13	DL
10	8-1-68	B-0	KTA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 10TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-39		

FINISH SCHEDULE

ZONE: ZONE - SUB 7 (ELEV. 242'-0" TO 6TH FLOOR)

SPACE	FLOOR	FLOOR FINISH	BASE	WALLS MATERIAL	WALLS FINISH	CEILING MATERIAL	CEILING FINISH	REMARKS
CELLAR STAIR #3	SUB-LEVEL #5 EL. 242'-0"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	* SEE PLANS FOR SUSP GYP. BOARD CEILING
CORRIDOR	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
ELECTRIC CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
STAIR K-4, K-6, VESTIBULES	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
A.C. TRANSFER PLENUM	"	Dustproof Concrete	None	Masonry	Cement Parging *	Concrete	Unfinished	* SEE PLANS FOR EXTENT OF PARGING
MECHANICAL EQUIPMENT ROOM	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
PITS BELOW 242'-0" SLAB*								* ALL PIT FLS & WALLS TO RECEIVE IRON TYPE WATERPROOFING. SEE P.A. FOUNDATION DWGS. FOR DETAILS & EXTENT OF WATERPROOFING
STAIR K-7	EL 245'-?	Dustproof Concrete	None	*				* FOR WALLS, CEILINGS, AND FINISHES SEE 'SUB-GRADE' CONTRACT DWGS
UNASSIGNED SPACE	EL 246'-6"	*						* SEE 'SUB-GRADE' CONTRACT DWGS FOR THIS AREA.
CELLAR STAIR #3	SUB-LEVEL #4 EL. 252'-0"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
A C PLENUM	"			Masonry	Cement Parging *	Concrete	Unfinished	* SEE PLANS FOR EXTENT OF PARGINGS
ELECTRIC CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
STAIR K-4, K-6 & VESTIBULES	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
STAIR K-5 & VESTIBULES	EL 250'-0"	Dustproof Concrete	None	*				* FOR WALLS, CEILINGS AND FINISHES SEE SUB-GRADE CONTRACT DWGS
STAIR K-7 & VESTIBULES	EL. 246'-6"	Dustproof Concrete	None	*				* FOR WALLS, CEILINGS AND FINISHES SEE 'SUB-GRADE CONTRACT DWGS.'
UNASSIGNED SPACE	EL 250'-0"	*						* SEE SUB-GRADE CONTRACT DWGS FOR THIS AREA.
CELLAR STAIR #3	SUB-LEVEL #3 EL. 264'-0"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
CORRIDOR	"	Vinyl Asbestos	None	Masonry, Facing Tile		Acoustic Tile		
ELECTRIC CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
TENANT STORAGE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
A.C. PIPE, DUCT & TRANSFER SPACE	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
A.C. FAN ROOMS	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
CLOSET	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
ELEVATOR PITS	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete		
STAIRS K-4, K-5, K-6, K-7 & VESTIBULES	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
JAN. CLOSET	"	Dustproof Concrete	None	Masonry	Spray Glazed Coating	Acoustic Tile	Unfinished	
TEL. CLOSETS N.E., N.W., S.E., & S.W.	SUB-LEVEL #2 EL. 274'-0"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
WOMEN'S TOILET		Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Ceramic Tile		Metal Pan		
MEN'S TOILET	"	Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Ceramic Tile		Metal Pan		
CELLAR STAIR #3	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
CORRIDOR	"	Vinyl Asbestos	None	Masonry, Facing Tile		Acoustic Tile		
ELECTRIC CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
N.Y. STATE SPACE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
JAN. CLOSET	"	Dustproof Concrete	None	Masonry	Spray Glazed Coating	Concrete	Unfinished	
CLOSET	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
ELEVATOR PITS	"	Dustproof Concrete	None	Masonry	Unfinished			
STAIRS K-4, K-5, K-6 K-7 & VESTIBULES	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
TENANT STORAGE *	SUB-LEVEL #1 EL. 284'-0"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	* SEE TENANT ARCH. DRAWINGS FOR SUB DIVISION OF SPACE & FINISHES
VESTIBULES #1 & 2	"	Dustproof Concrete	Resilient	Masonry, Gyp. Wallboard	Painted	Acoustic Tile		
MEN'S TOILET		Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Metal Stud, Ceramic Tile		Metal Pan		
WOMEN'S TOILET		Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Metal Stud, Ceramic Tile		Metal Pan		
WOMEN'S LOUNGE		Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Metal Stud, Ceramic Tile		Metal Pan		
CELLAR STAIR #3	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
CORRIDOR	"	Vinyl Asbestos	None	Masonry, Facing Tile		Acoustic Tile		
ELECTRIC CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
STORAGE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
PUMP ROOM	"	Dustproof Concrete	Cement	Masonry	Painted	Concrete	Unfinished	
CLOSET	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
TELEPHONE ROOM	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
ELEVATOR PITS	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete		
N.Y. STATE SPACE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
JAN. CLOSET	"	Dustproof Concrete	None	Masonry	Spray Glazed Coating	Acoustic Tile		
STAIR K-4, K-5, K-6, K-7 & VESTIBULES	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
TEL CLOSETS SW & SE	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
ELECTRIC CLOSETS 'N' & 'S'	6TH FLOOR	Dustproof Concrete	None	Masonry, Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
ELEVATOR PAD STORAGE	SERVICE LEVEL EL. 294'-0"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
TENANT STORAGE *	SERVICE LEVEL EL. 294'-0"							* SEE TENANT ARCH. DRAWINGS FOR SUB DIVISION OF SPACE & FINISHES.
AIR LOCK COMPRESSOR RM.	SERVICE LEVEL EL 294'-0"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
LOADING PLATFORM	SERVICE LEVEL EL. 294'-0"			Face Brick				* SEE PLANS FOR EXTENT OF WORK IN THIS CONTRACT FOR CONTINUATION SEE SUB-GRADE DRAWINGS
CELLAR STAIR #3	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
CORRIDOR	"	Vinyl Asbestos	None	Facing Tile		Acoustic Tile		
VESTIBULES	"	Vinyl Asbestos	None	Facing Tile		Acoustic Tile		
ELEC. CLOSET 'C'	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
PUMP ROOM	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
ELECTRIC SUB-STATION	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
TENANT STORAGE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Unfinished	
ELECTRIC CLOSET E., W. & S.E.	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
JAN. CLOSETS - NE & SE	"	Dustproof Concrete	None	Masonry	Spray Glazed Coating	Acoustic Tile		
JANITORIAL OFFICE AREA	"	Vinyl Asbestos	Resilient	Masonry	Spray Glazed Coating	Acoustic Tile		
N.Y. STATE SPACE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
LOADING DOCK VEST.	"	Vinyl Asbestos	None	Masonry, Facing Tile	Unfinished	Acoustic Tile		
ELEVATOR PITS	"	Dustproof Concrete	None	Masonry				
WOMEN'S TOILET	"	Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Metal Stud, Ceramic Tile		Metal Pan		
VEST (WOMEN'S TOILET)	"	Vinyl Asbestos	Resilient	Masonry, Gyp. Wallboard	Painted	Acoustic Tile		
MEN'S TOILET	"	Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Metal Stud, Ceramic Tile		Metal Pan		
VEST (MEN'S TOILET)	"	Ceramic Tile	Ceramic Tile	Masonry, Gyp. Wallboard, Ceramic Tile		Metal Pan		
AIR LOCK	"	Vinyl Asbestos	None	Masonry, Facing Tile		Acoustic Tile		
STAIRS K-4, K-5, K-6, K-7 & VESTIBULES		Vinyl Asbestos	None	Masonry	Painted	Concrete	Unfinished	
PRIMARY PULL CHAMBERS	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
DUCT TRANSFER SPACE	"	Dustproof Concrete	None	Masonry	Painted	Concrete	Painted	
CLOSET		Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
TEL. CLOSETS - SW & SE	"	Dustproof Concrete	None	Masonry	Unfinished	Concrete	Unfinished	
JANITORIAL & BUILDING STORAGE	2ND FLOOR	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete, Steel Deck	Unfinished	
STAIR #3, STAIRS K-4 & K-5 *	1ST FLOOR CONCOURSE LEVEL	Dustproof Concrete	Resilient	Masonry, Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
CELLAR STAIR #3	1ST FLOOR CONCOURSE LEVEL	Dustproof Concrete	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Concrete	Painted	
ELECTRIC CLOSET 'C'	1ST TO 6TH FLOORS	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
STEAM SHAFT	1ST FLOOR CONCOURSE LEVEL	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
SERVICE RM.	"	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Acoustic Tile		
ELEVATOR LOBBIES *	"							* SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
LOBBY	"							* SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
TELEPHONE CLOSET	1ST TO 6TH FLOORS	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
UNASSIGNED SPACE		Dustproof Concrete, Vinyl Asbestos	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
JANITORS CLOSET	1ST TO 6TH FLOORS	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Spray Glazed Coating	Metal Pan		
STAIR # 1-2-3		Dustproof Concrete	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Concrete *	Painted	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
STAIR VESTIBULES	2ND TO 6TH FLOORS	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Acoustic Tile		
CLOSET	3RD TO 6TH FLS.	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.R.	Unfinished	
CORRIDORS	2ND TO 6TH FLOORS	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Acoustic Tile		* AT 3RD 4TH AND 6TH FLOORS THIS WILL INCLUDE BANK TYPE PARTITIONS FOR SUPERVISORY OFFICES
BALCONY *	2ND FLOOR ONLY							* SEE MAIN LOBBY DRAWINGS FOR DETAILS AND FINISHES
STORAGE JAN STORAGE BLDG. STORAGE	3RD TO 6TH FLOOR	Dustproof Concrete	None	Gypsum Plank, Gyp. Wallboard, Metal Stud	Spray Glazed Coating	Concrete, Spray-on F.R.	Painted	
SERVICE LOBBY	6TH FLOOR ONLY	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Acoustic Tile		
MEN'S TOILET AND WOMEN'S TOILETS	3RD TO 5TH FLOORS	Ceramic Tile	Ceramic Tile	Gypsum Plank, Gyp. Wallboard, Metal Stud		Metal Pan		
MAIL ROOM	AT 6TH FLOOR ONLY	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Painted	Acoustic Tile		
MEN'S AND WOMEN'S LOCKER ROOMS	3RD TO 5TH FLOORS	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Spray Glazed Coating	Acoustic Tile		
VESTIBULE 1, 2, 3, 4, 5, & 6	3RD TO 6TH FLOORS	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Spray Glazed Coating	Acoustic Tile		
FIRST AID ROOM	3RD TO 5TH FLOORS	Vinyl Asbestos	Resilient	Gypsum Plank, Gyp. Wallboard, Metal Stud	Spray Glazed Coating	Acoustic Tile		

Column headings — FLOOR FINISH: Dustproof Concrete, Vinyl Asbestos, Marble, Ceramic Tile, Terrazzo, Carpeting. BASE: Cement, Resilient, Terrazzo, Wood, Marble, Painted, None, Ceramic Tile. WALLS MATERIAL: Masonry, Face Brick, Facing Tile, Glazed Face Block, Gypsum Plank, Gyp. Wallboard, Keene Cem Plas., Marble, Wood, Plaster, Metal Stud, Ceramic Tile. WALLS FINISH: Painted, Vinyl Covering, Unfinished, Spray Glazed Coating, Cement Parging. CEILING MATERIAL: Acoustic Tile, Metal Pan, Plaster, Concrete, Steel Deck, Spray-on F.R., Luminous Ceil. CEILING FINISH: Painted, Unfinished.

KEY TO MATERIALS

CONCRETE

BRICK

BRICK AND HOLLOW CINDER BLOCK

BRICK AND SOLID CINDER BLOCK

CINDER BLOCK

SOLID CINDER BLOCK

GLAZED FACE SOLID CONCRETE BLOCK

LAMINATED GYPSUM PLANK PARTITION

LAMINATED GYPSUM PLANK PARTITION WITH WALLBOARD (SEE SYMBOL)

1/4" SCALE METAL STUD AND WALLBOARD PARTITION

1/8" SCALE METAL STUD PARTITION

SPRAY-ON FIREPROOFING

M.L.F.

1/4" SCALE METAL LATH AND FURRING

1/8" SCALE METAL LATH AND FURRING

DOUBLE BLOCK PARTITION WITH INSULATION
2-CINDER BLOCK OUTER WALLS WITH 2" INSULATION BETWEEN

NOTE

GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO THE TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK UP

SYMBOLS

P/1 — PLUMBING STACK

L/1 — LEADER

(100) — COLUMN NUMBER

A-1 / B 2 — TOP LETTER DENOTES DOOR TYPE (SEE DOOR SCHEDULE) BOTTOM LEFT LETTER DENOTES BUCK TYPE (SEE BUCK DETAIL) BOTTOM RIGHT NUMBER DENOTES HARDWARE (SEE SPECIFICATIONS) WHERE BOTTOM RIGHT LETTER IS 'X' THIS DENOTES SPECIAL HARDWARE · SEE SPECIFICATIONS.

A-1 / B 2 — REINFORCED BUCK SYMBOL

A/100 — DETAIL SYMBOL. TOP LETTER DENOTES DETAIL. BOTTOM NUMBER DENOTES DWG.

A/100 — SECTION CUT SYMBOL

PARTITION SYMBOL. NUMBER IN TRIANGLE DENOTES LAYERS OF GYPSUM WALLBOARD WHERE LAYER IS CALLED FOR THAT LAYER SHALL BE 5/8" THICK WHERE 2 LAYERS ARE CALLED FOR THOSE LAYERS SHALL BE 1/2" THICK.
PARTITION SYMBOL. DENOTES WATERPROOF GYPSUM WALLBOARD.
A - WHERE 1 LAYER IS CALLED FOR, THAT LAYER IS 5/8" THICK WATERPROOF GYPSUM WALLBOARD
B - WHERE 2 LAYERS ARE CALLED FOR, THE LAYER IMMEDIATE TO THE PARTITION IS 1/2" GYPSUM WALLBOARD THE OUTER LAYER IS 1/2" WATERPROOF GYPSUM WALLBOARD

DENOTES STARTING POINT OF TILE CEILING

DENOTES LOOSE LINTEL OR HUNG LINTEL SEE LINTEL SCHEDULES ON DWG #6

CONTRACT BID DRAWING date 3-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				△	1-6-71	B-74	UM
				△	11-24-70	B-72	D.G.
△	9-10-74	B-275	I.H.	△	5-22-70	B-48	A.W.
△	5-3-72	B-163	L.C.	△	9-29-69	B-34	L.J.
△	11-23-71	B-126	L.J.	△	9-29-69	B-29	D.G.
△	8-24-71	B-116	D.T.	△	9-29-69	B-28	D.G.
△	8-24-71	B-116	D.T.	△	9.29.69	B-21	D.L.
△	1-29-71	B-84	L.J.	△	9.29.69	B-12	D.L.
△	1-29-71	B-84	L.J.	△	9.29.69	B-13	D.L.
△	1-4-71	B-75	UM	△	8-1-68	B-6	R.H.

REVISIONS — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT RICHARD ROTH STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

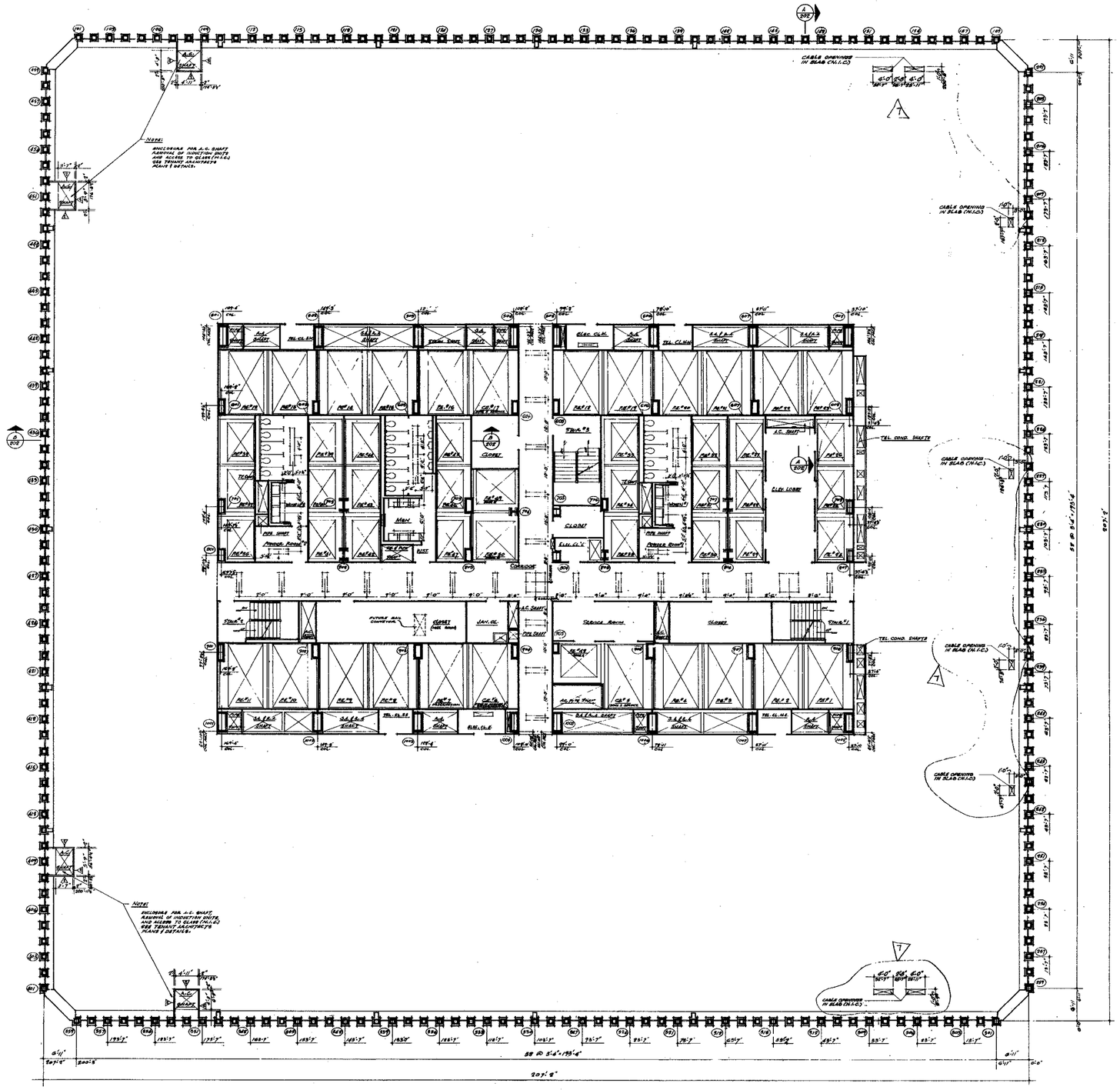
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE
ZONE-SUB 7

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·4		



NORTH

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND TOPOGRAPHY OF DRAWING SEE DRAWING # A-B-1 TO A-B-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN AREAS NOT SHOWN SEE CORE DRAWING # A-B-41
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERSPECTIVE ENGINEERS DRAWING
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A GRATING TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS A.P.A. LTD. SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, TERRACES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
7	11-23-71	B-136	L.W.
6	6-24-71	B-116	D.T.
5	1-28-71	B-86	L.W.
4	7-29-69	B-33	L.W.
3	7-29-69	B-12	L.W.
2	7-29-69	B-9	L.W.
1	7-29-69	B-8	L.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE

1/8"=1'-0" (0, 4', 8', 16', 24')

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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STRUCTURAL ENGINEERS

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ELECTRICAL ENGINEERS

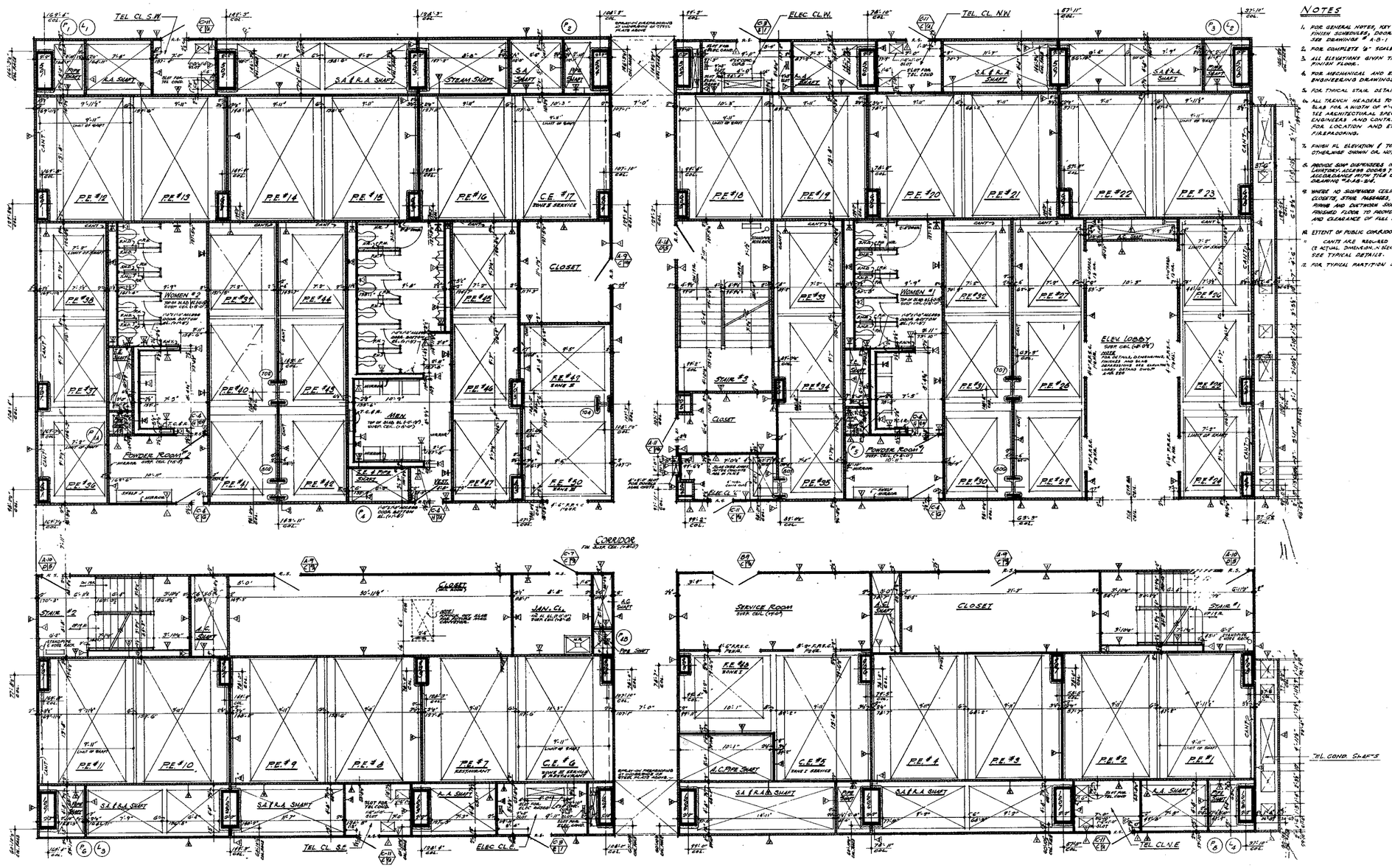
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 11TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·40		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-6.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING #A-0-40
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS# A-10-204, & A-10-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FL. ELEVATION & TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COUNSELING. SEE TYPICAL TOILET DETAILS DRAWING #A-A8-2/4.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR LANDINGS, ETC. BOTTOM ELEVATION OF ALL FRAMING AND STRUCTURE SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL DIMENSION) IN ELEVATOR SHAFTS AND SHALL BE NON-COMBUSTIBLE TYPE. HORIZONTAL SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-206 TO A-A8-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
	11-24-70	B-78	L.W.
9	5-22-70	B-48	A.M.
8	9-29-69	B-31	L.W.
7	9-29-69	B-25	L.W.
6	9-29-69	B-12	L.W.
5	9-29-69	B-25	L.W.
4	9-29-69	B-18	L.W.
3	9-29-69	B-9	L.W.
2	9-29-69	B-13	L.W.
1	8-26-71	B-116	D.K.
	8-11-68	B-6	K.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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RICHARD ROTH, ARCHITECT

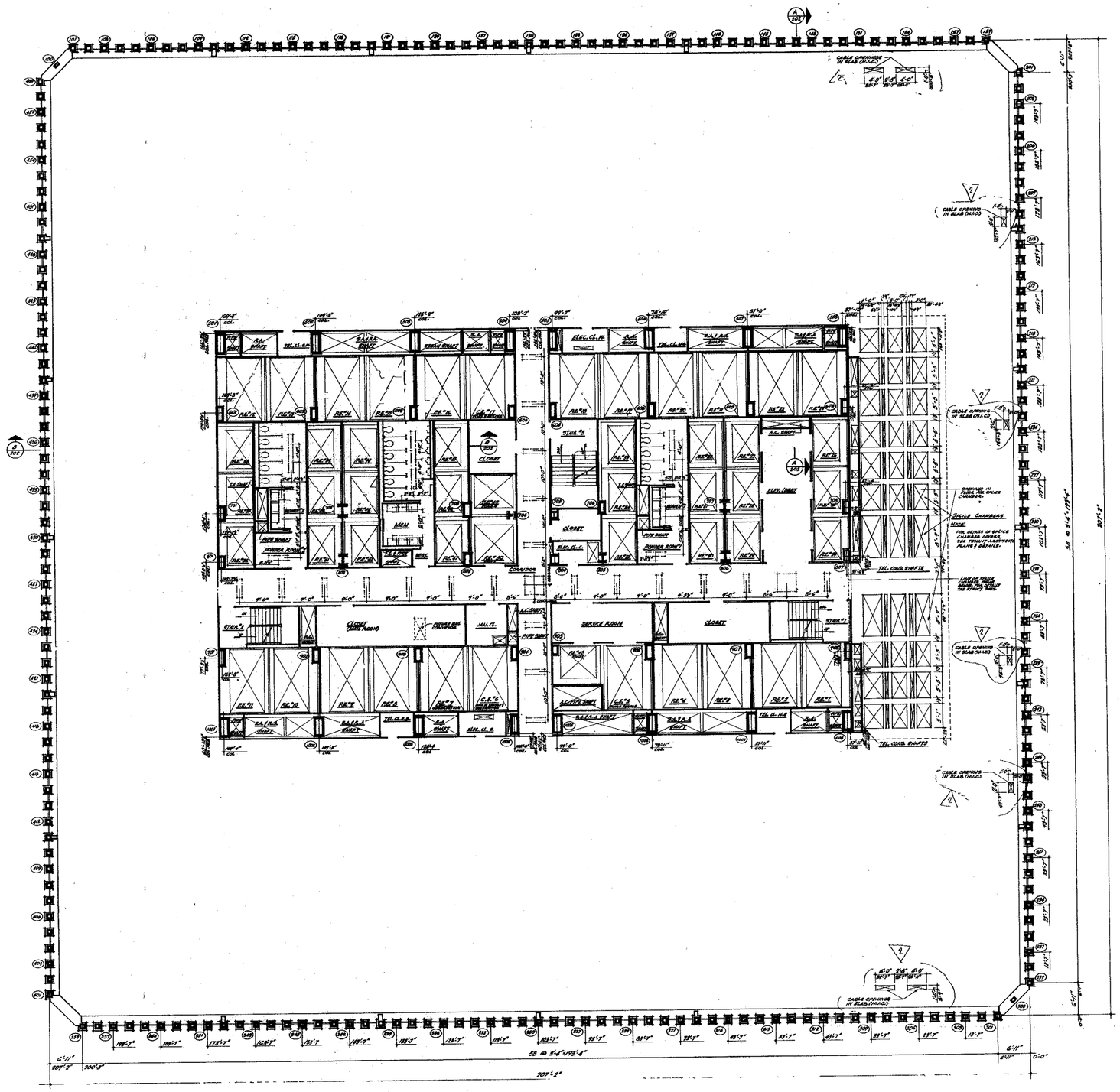
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 11TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	3'-0"
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·41		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWING, SEE DRAWING "A-B-1 TO A-B-4".
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING "A-B-43".
3. ALL ELEVATION GIVEN THUS (12'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWING.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A 2HR-UL-263 TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING LAYOUTS AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL ENGINEERS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION IS TOP OF SLAB ELEVATION MINUS (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING HAS BEEN CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date

NO.	DATE	SUB. NO.	BY
1	11-23-71	B-185	L.V.
2	1-28-71	B-84	L.V.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4' 8' 16' 24

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

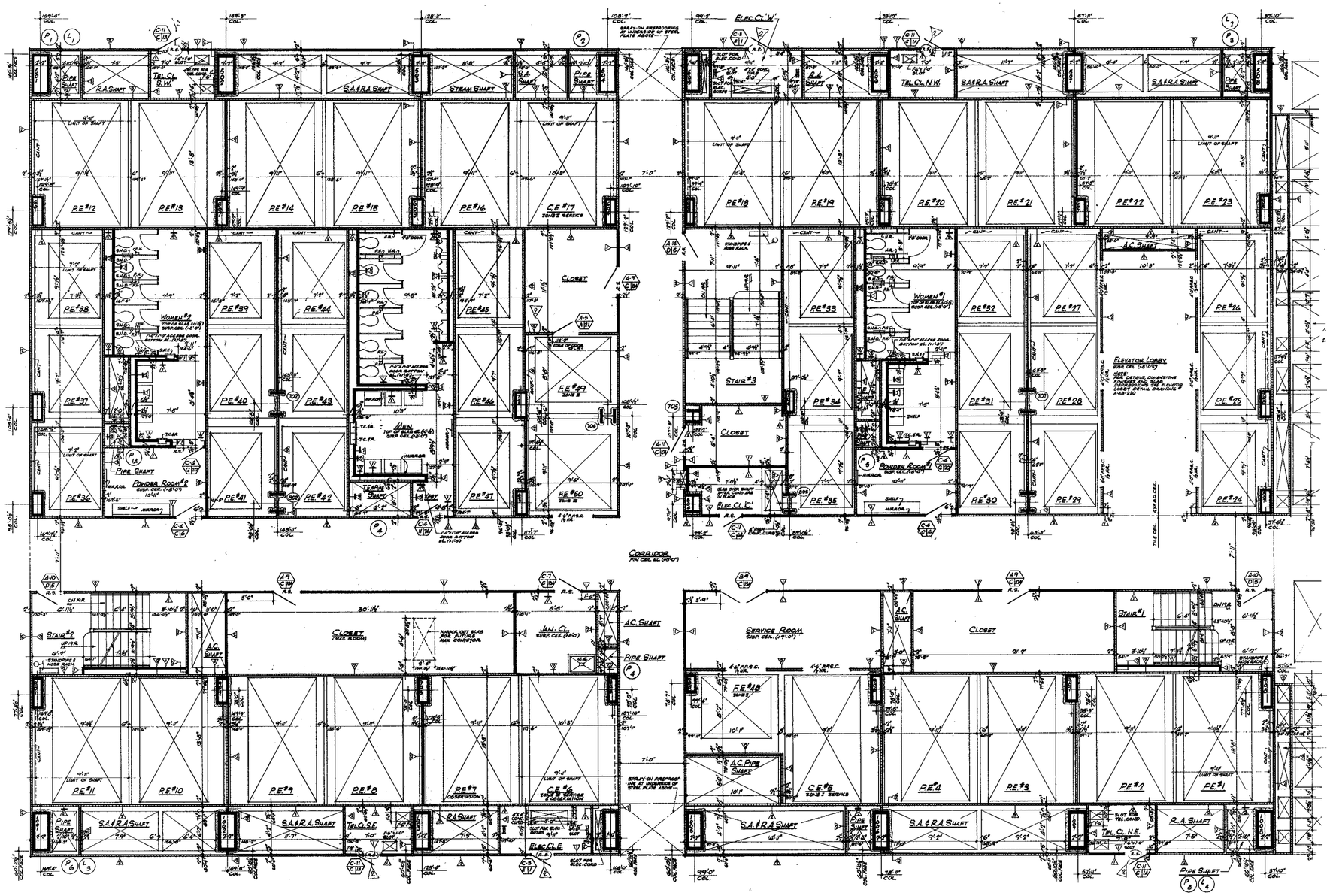
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 12TH FLOOR PLAN

DRAWN	L.M.L.	CHECKED	
SCALE	1/8"-1'-0"	DATE	3-1-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-42		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-B-1 TO A-B-6
2. FOR COMPLETE 5/8" SCALE FLOOR PLAN SEE DRAWING #A-B-42
3. ALL ELEVATIONS GIVEN THUS (10'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG# A-AB-204 AND A-AB-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATIONS & TOP OF SLAB ELEVATION ARE (0'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN & WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER UNDER TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRG#A-AB-214
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, BULKHEADS IN CLOSETS, STAIR PASSAGES ECT. BOTTOM ELEVATION OF ALL HUNG & SOFFITS DOOR, SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——— ——
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" NOMINAL ("ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM "15" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS #A-AB-206 TO A-AB-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT #BID DRAWING date

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
4	11-24-70	B-70	L.J.
3	5-27-70	B-48	A.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

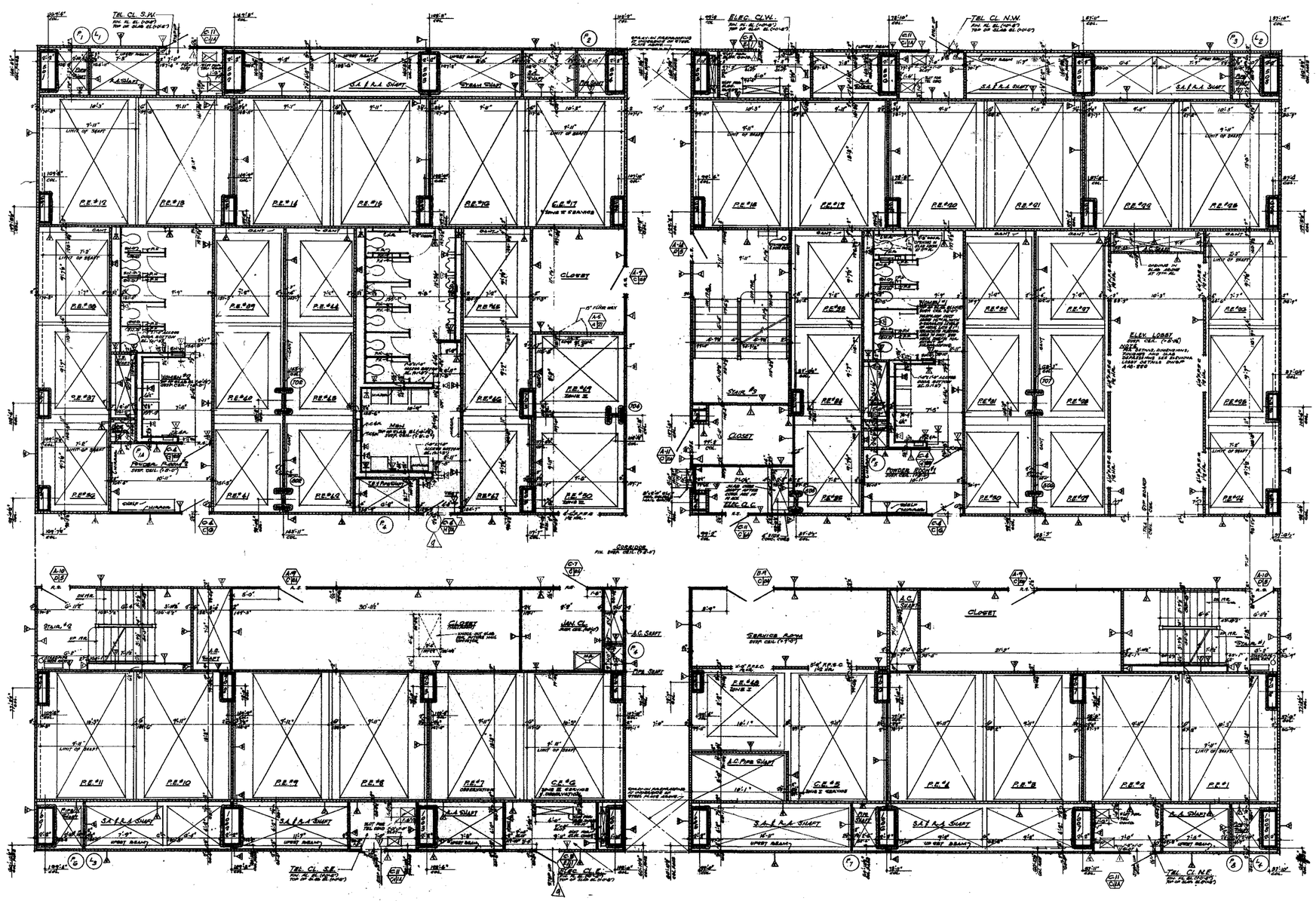
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: 12TH FL CORE PLAN

DRAWN	EPC	CHECKED	
SCALE	1/4"=1'0"	DATE	8-17-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·43		

NORTH



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-5
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-B-46
3. ALL ELEVATIONS GIVEN THUS (100-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-B-106 AND A-B-206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION 7 7.00 OR SLAB ELEVATIONS ARE (100-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS, ONE DISPENSER AT EACH LAVATORY ACCESS. DOORS TO HOLD DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG.# B14.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR EITHER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CUNTS ARE RECORDED IN ALL RISER LOCATIONS WHERE 24" NOMINAL (ACTUAL) DIMENSION, IN REMOTE RISERS AND SHALL BE MAINTAINED 15" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-B-106 TO A-B-216

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	SUB. NO.	BY
1	11-26-70	B-78	L.M.
2	9-29-69	B-51	L.M.
3	9-29-69	B-55	L.M.
4	9-29-69	B-9	D.L.
5	9-29-69	B-12	D.L.
6	9-29-69	B-13	D.L.
7	9-29-69	B-15	D.L.
8	9-29-69	B-17	D.L.
9	8-1-68	B-6	R.T.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE — NO. 31727

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

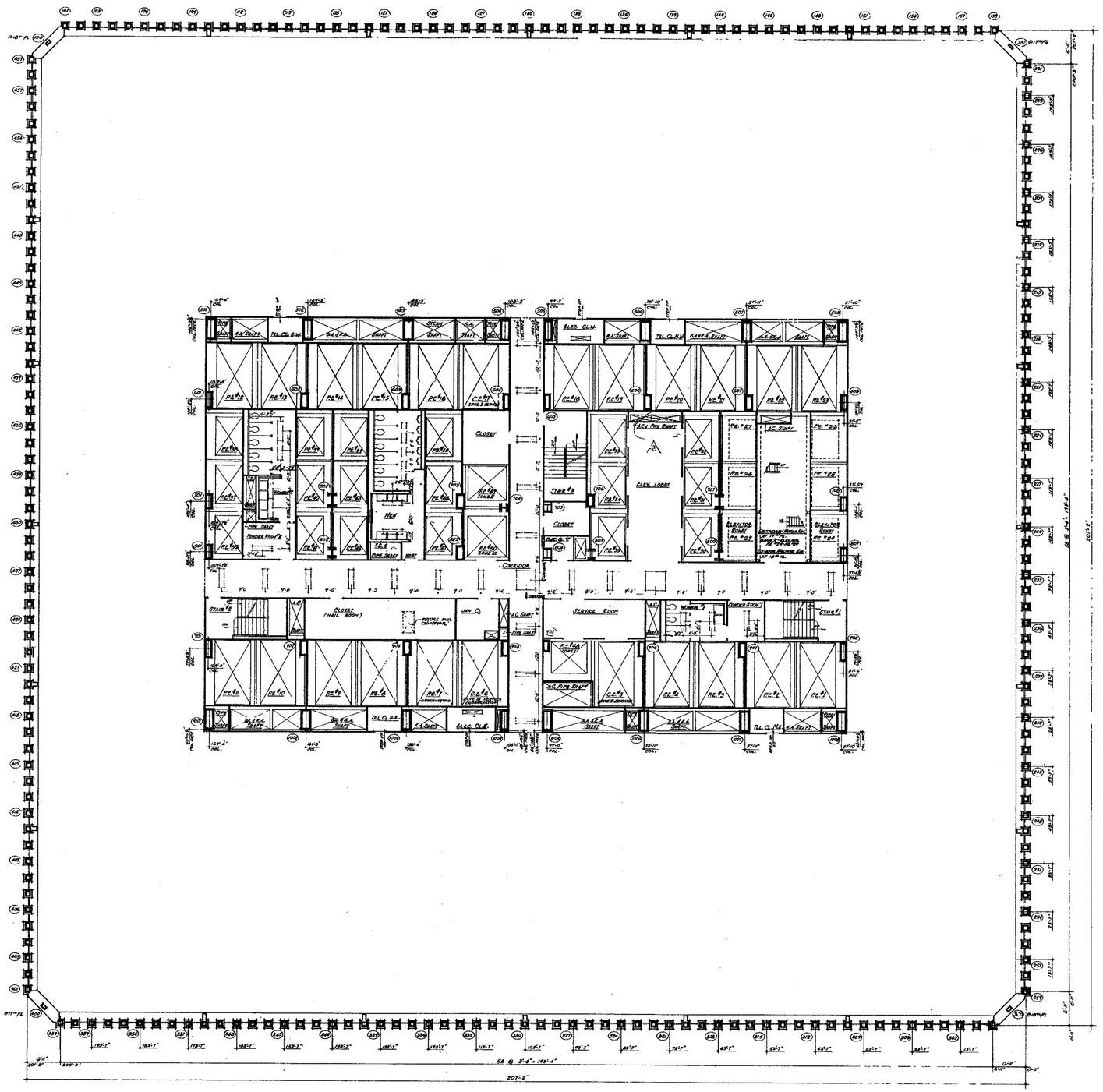
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 13TH TO 16TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·45		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A.B-1 TO A-B-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING # AD-57
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR & TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR, MECHANICAL ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CONTRACT BID DRAWING date . 8-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
A	8-24-71	B-118	L.J.
1	9-28-69	B-88	L.J.
2	12-29-69	B-12	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

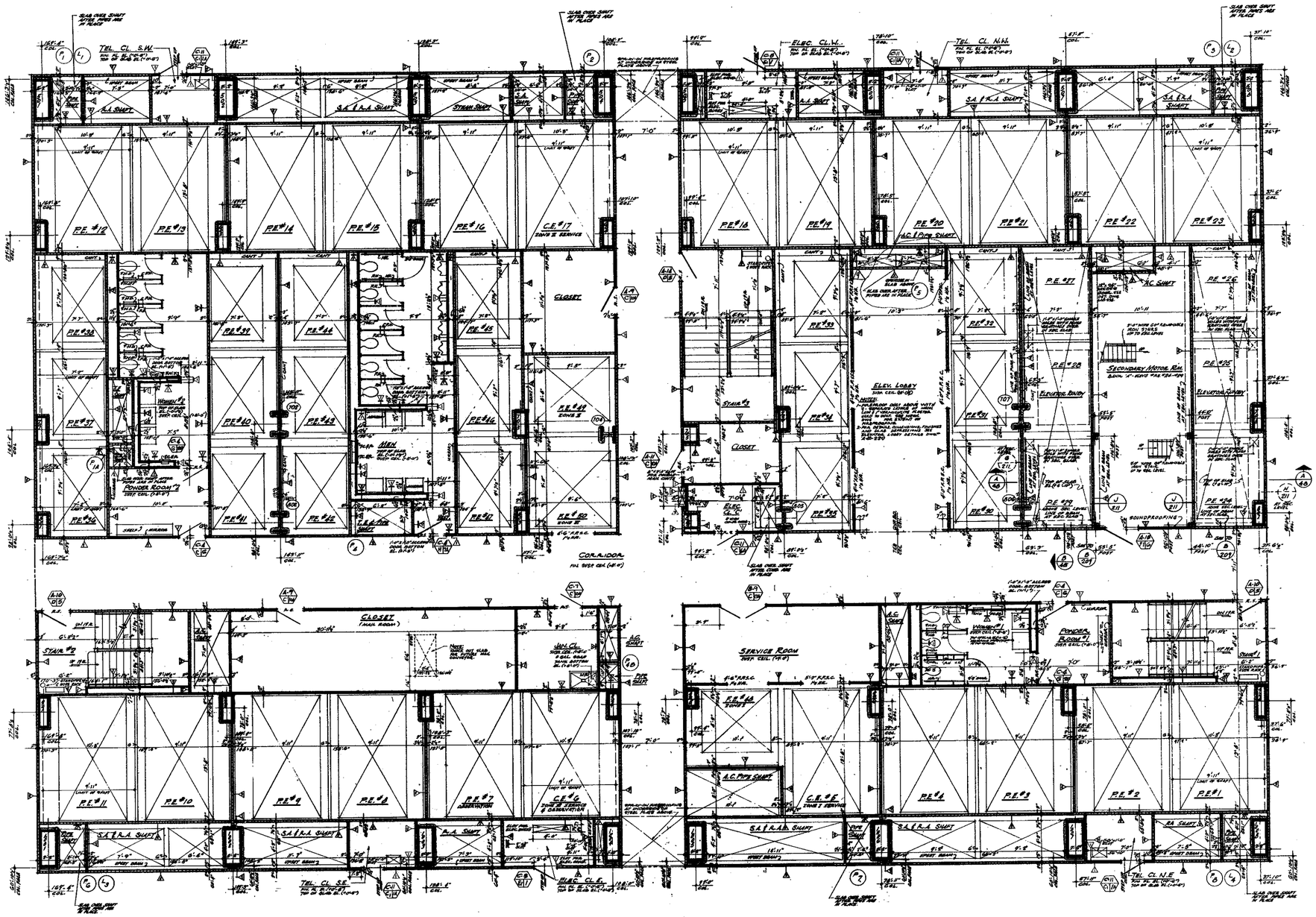
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"-1'-0" 0 4' 8' 16' 24'

TITLE: 17TH & 18TH FLOOR PLAN

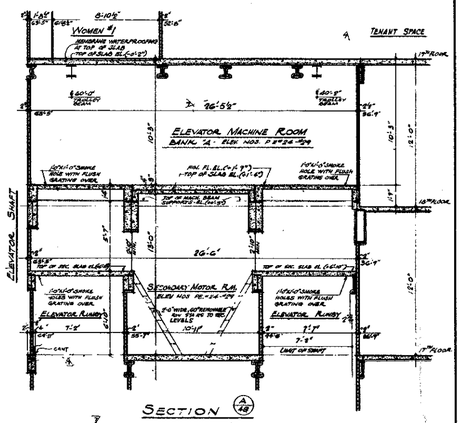
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·46		

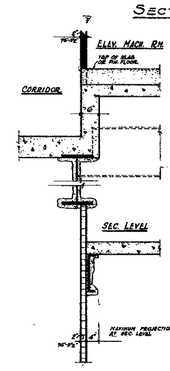

NORTH
TEL. CL. S.W.
ELEC. CL. W.
TEL. CL. N.W.
TEL. CL. N.E.
TEL. CL. S.E.
ELEC. CL. E.
P.E. #12
P.E. #13
P.E. #14
P.E. #15
P.E. #16
C.E. #17
P.E. #18
P.E. #19
P.E. #20
P.E. #21
P.E. #22
P.E. #23
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #29
P.E. #30
P.E. #31
P.E. #32
P.E. #33
P.E. #34
P.E. #35
P.E. #36
P.E.

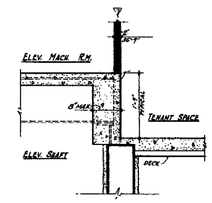
NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-6
2. FOR COMPLETE "A" SERIES FLOOR PLAN SEE DRAWING # A-B-46
3. ALL ELEMENTS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS# A-A-204 AND A-A-205
6. ALL TRENCH HEADERS TO BE FABRICATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS ASSIGNED SAME DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (10'-0")
8. UNLESS OTHERWISE SHOWN OR NOTED.
9. HOSE BIBB DEPICTED IN MEN AND WOMENS TOILETS, GIVE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SHAFT DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE LOCATIONS SEE TYPICAL TOILET DETAILS GIVE # A-A-204.
10. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOW AS IN CLOSETS STAIR PACKAGE ETC. BOTTOM ELEVATION OF ALL WARM AND UNCTIONED SHALL BE MAINTAINED AT 81'-6"
11. ALONE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
12. EXTENT OF PUBLIC OCCUPANCY, CEILING AS INDICATED THUS: _____ n.s.
13. CENTER LINE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" NOMINAL (8" ACTUAL DIMENSION) IN ELEVATOR SHAFTS AND TOILET AS MINIMUM 75" FROM HORIZONTAL SEE TYPICAL DETAILS.
14. FOR TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-AB-204 TO A-AB-212







CONTRACT BID DRAWING date 8-1-66

NO.	DATE	SUB. NO.	BY
1	9-29-66	B-81	L.V.
2	9-29-66	B-85	L.V.
3	9-29-66	B-12	R.C.
4	12-29-66	B-16	R.C.
5	9-29-66	B-20	R.C.
6	9-29-66	B-13	R.C.
7	11-1-66	B-7	R.R.
8	5-1-68	B-6	R.R.
9	5-1-68	B-1	R.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

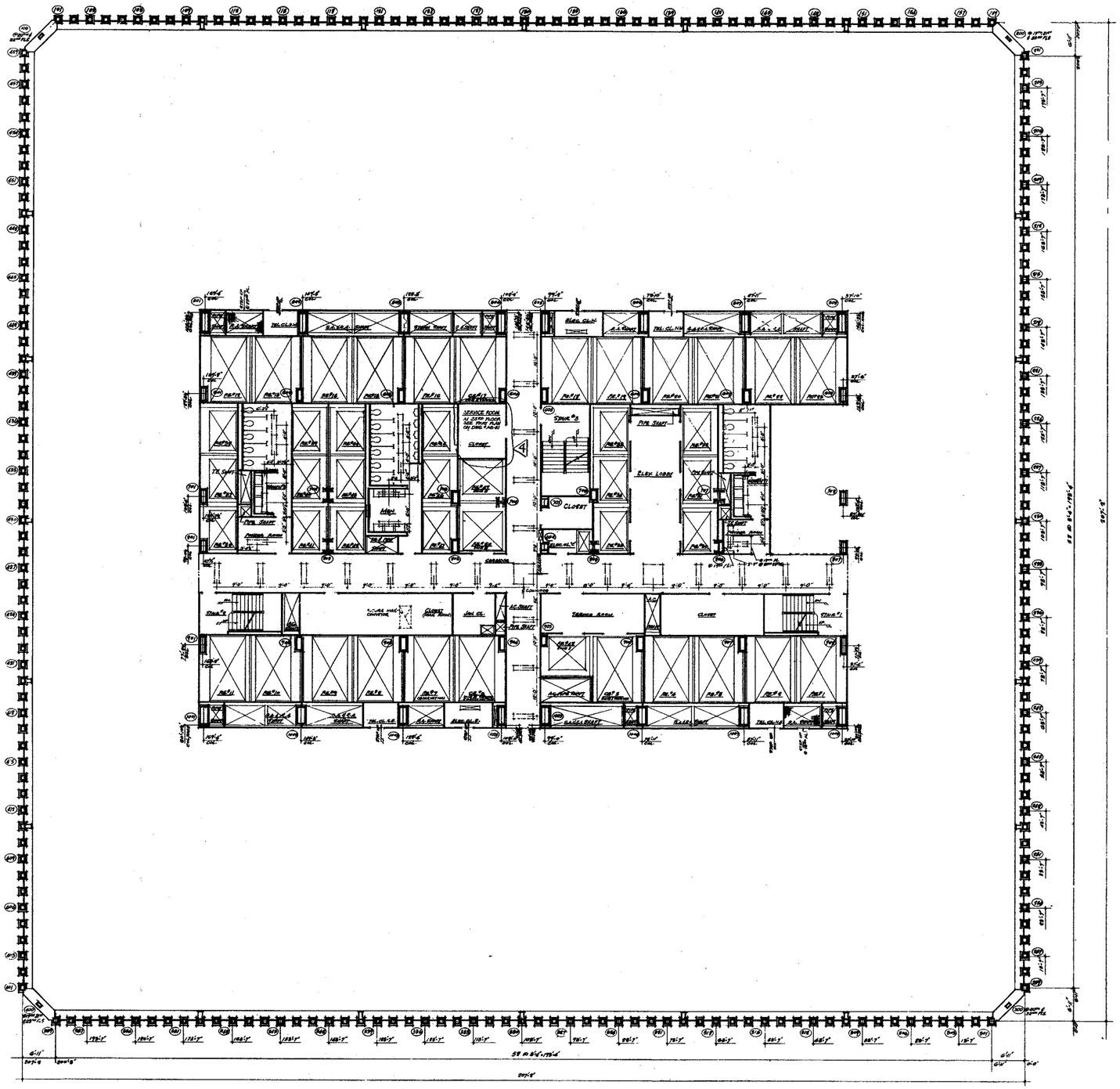
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 18TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·48		



NORTH

Notes

1. FOR GENERAL NOTES AND TO MATERIAL STANDARDS, ABBREVIATIONS, PAINT TREATMENTS, DOOR, FINISHES AND THICKNESS OF SURFACING SEE DRAWING# A-0-1 TO A-0-6
2. FOR CONCRETE CONSTRUCTION AND JOISTS SEE CONSTRUCTION DRAWINGS# A-C-10
3. ALL RADIATORS GIVEN THEY (T-H-C.) ARE 10" RELATIVE TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LEGEND, SEE "ARCHITECTURAL SYMBOLS" DRAWING.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-2" WITH A 2HR-1HR TYPE PARTITIONING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL DRAWINGS AND CONTRACTOR'S SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. MINIMUM FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (20-0") UNLESS OTHERWISE SHOWN OR NOTED
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRING AND INSTALLING SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _ _

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	SUB. NO.	BY
1	7-15-70	S-840	J.K.
2	9-29-69	S-35	L.K.
3	7-29-69	S-12	L.K.
4	11-1-68	S-7	K.R.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT NEW YORK STATE NO. 31

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24

TITLE: 19TH TO 23RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·49		

FINISH SCHEDULE

Columns (checkbox headings as printed): FLOOR – Finish: Dustproof Concrete, Vinyl Asbestos, Marble, Ceramic Tile, Terrazzo, Carpeting. BASE: Cement, Resilient, Terrazzo, Wood, Marble, Painted, None, Ceramic Tile. WALLS – Material: Masonry, Face Brick, Glazed Face Block, Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Keene Cem. Plas., Marble, Wood, Plaster, Metal Stud, Concrete, Alum. Panels; Finish: Painted, Vinyl Covering, Unfinished, Spray Glazed Coating, Cement Parging. CEILING – Material: Acoustic Tile, Metal Pan, Plaster, Concrete, Steel Deck, Spray-on F.P., Luminous Ceil.; Finish: Painted, Unfinished.

ZONE	SPACE	FLOOR	Floor Finish	Base	Walls Material	Walls Finish	Ceiling Material	Ceiling Finish	REMARKS
ZONE I (7th to 40th Floors)	STAIRS # 1-2-3 *	7th to 40th FLS	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR SUSPENDED GYP BOARD CEILING
	STAIR VESTIBULES *	7th FL	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard	Painted	Concrete	Painted	* SEE PLANS FOR SUSPENDED GYP BOARD CEILING
	ELECTRIC CLOSET 'C'	7th to 40th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CLOSETS	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	ELECTRIC SUB-STATIONS	7th FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Unfinished	
	RETURN AIR PLENUMS	"	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CORRIDOR	9th to 40th FLS	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	SERVICE ROOM		Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	CLOSET (MAIL ROOM)	9th TO 26th FLS.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	ELEVATOR LOBBIES *	9th TO 40th FLS.							* SEE ELEVATOR LOBBY DRAWINGS FOR DETAILS AND FINISHES
	ELECTRIC CLOSET 'W'	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	ELECTRIC CLOSET 'E'	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	TELEPHONE CLOSETS	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	JANITOR'S CLOSET	"	Dustproof Concrete	None	Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Metal Pan		
	WOMEN'S TOILETS	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	POWDER ROOMS	"	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	MEN'S TOILET	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	VESTIBULE (MEN'S TOILET)	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	SECONDARY MOTOR ROOMS	[illegible]	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	ELEVATOR MACHINE ROOMS	18th 26th 34th [illegible]	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	AIR CONDITIONING ROOM (EXPANSION TANK ROOM)	26th FL	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	LOCAL ELEVATOR LOBBIES *	9th to 40th FLS							* SEE LOCAL ELEVATOR LOBBY DWGS. FOR DETAILS AND FINISHES
	MECHANICAL EQUIPMENT ROOMS	7th & 8th FL	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Unfinished	
	TENANT SPACE *	9th to 40th FLS							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE, DETAILS & FINISHES
	M.E.R. TOILET	7th FLOOR	Ceramic Tile	Ceramic Tile	Gypsum Plank, Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Concrete, Spray-on F.P.		* SEE PLAN FOR SUSP. GYPSUM BOARD CEILING
	TOOL STORAGE	7th FLOOR	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Unfinished	
	TENANT SPACE (IN CORE)	27th to 40th FLOORS	Vinyl Asbestos	Resilient					* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE, DETAILS & FINISHES
ZONE II (41st to 74th Floors)	LOCAL ELEVATOR LOBBIES *	43rd & 45th to 74th FLOORS							* SEE LOCAL ELEVATOR LOBBY DRAWINGS FOR DETAILS & FINISHES
	M.E.R. TOILET	41st FLOOR	Ceramic Tile	Ceramic Tile	Gypsum Plank, Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Concrete, Spray-on F.P.	Painted	* SEE PLAN FOR SUSP GYP. BOARD CEILING
	STAIRS # 1-2-3 *	41st to 74th FL	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR M.L.F. AND CEM. PLASTER
	STAIR VESTIBULES *	41st & [illegible] FL	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR M.L.F. AND CEM. PLASTER
	ELECTRIC CLOSET 'C'	41st to 74th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CLOSETS	43rd to 74th FLS	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Unfinished	
	ELECTRIC SUB-STATION	41st FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Painted	
	RETURN AIR PLENUMS		Dustproof Concrete	None	Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CORRIDOR	43rd & 45th to 74th FLS.	Vinyl Asbestos	Resilient	Gypsum Wallboard	Painted	Acoustic Tile		
	SERVICE ROOM	43rd TO 74th FLS.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	TENANT SPACE (IN CORE) *		Vinyl Asbestos	Resilient	Gypsum Wallboard, Metal Stud	Painted			* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISON OF SPACE, DETAILS & FINISHES
	ELEVATOR LOBBIES *	"							* SEE ELEVATOR LOBBY DRAWINGS FOR DETAIL & FINISH.
	ELECTRIC CLOSET 'W'	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	ELECTRIC CLOSET 'E'	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	TELEPHONE CLOSET	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	JANITOR'S CLOSET	"	Dustproof Concrete	Cement, None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Metal Pan		
	WOMEN'S TOILETS	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	POWDER ROOMS	"	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	MEN'S TOILETS	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	VESTIBULES (MEN'S TOILET)	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	SECONDARY MOTOR ROOMS	[illegible], 55th, 60th & 68th FLS.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	ELEVATOR MACHINE ROOMS	42nd, 56th, 68th & 69th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	MECHANICAL EQUIPMENT ROOMS	41st & 42nd FLS	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Unfinished	
	MOTOR GENERATOR ROOMS	41st FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Painted	
	STAIR PASSAGES *	42nd FL	Dustproof Concrete	Resilient	Gypsum Plank		Acoustic Tile		* SEE PLANS FOR M.L.F. AND CEM. PLASTER
	ELEVATOR PITS	41st & 43rd FLS	Dustproof Concrete	None	Gypsum Plank	Unfinished			
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	43rd & 60th FLS	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard, Metal Stud		Concrete, Spray-on F.P.	Painted	
	MAIN CORRIDOR (SKYLOBBY) *	44th FL.							*SEE SKYLOBBY DRAWINGS FOR DETAILS & FINISHES
	TENANT SPACE *	45th to 74th FLS							* SEE TENANT ARCHITECTS DWGS. FOR SUB-DIVISION OF SPACE, DETAILS AND FINISHES.
	WEST LOBBY *	44th FL.							SEE SKYLOBBY DWGS FOR DETAILS & FINISHES.
	SHUTTLE SECONDARY LEVELS	46th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	SHUTTLE SECONDARY MOTOR RM. VEST.'S	46th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	SHUTTLE ELEV. MACHINE ROOMS	47th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	DUCT SPACES	43rd FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CROSS CORRIDOR *	44th FL.							* SEE SKYLOBBY DWGS FOR DETAILS & FINISHES.
	LOCAL ELEVATOR LOBBIES *	44th FL.							* SEE SKYLOBBY DWGS FOR DETAILS & FINISHES.
	A C PLENUM	48th FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Painted	
ZONE III (75th to 110th Floors)	WINDOW WASHER STORAGE	110th FL.	Dustproof Concrete	Resilient	Face Brick, Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished, Spray Glazed Coating	Concrete	Painted	
	WINDOW WASHER AREA *	110th FL.	Dustproof Concrete	None	Gypsum Wallboard, Metal Stud, Concrete	Unfinished	Concrete	Painted	* SEE PLANS AND DETAILS FOR WATERPROOFING AND FINISHES
	STAIRS # 1 & 2 * **	75th to 107th FLS.	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR SUSP. GYP. BD. CEILING ** SEE TENANT ARCH. DWGS. FOR DETS. & FINISHES TO STAIR #1 FROM 106th TO 107th FLS.
	STAIRS # 3 *	75th to 107th FLS	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard	Painted	Concrete	Painted	* SEE PLANS FOR SUSP GYP BOARD CEILING
	STAIR VESTIBULES *	75th, 76th, 108th & 109th FLS.	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE PLANS FOR SUSP GYP BOARD CEILING
	STAIR PASSAGES *	76th FL	Dustproof Concrete	Resilient	Gypsum Plank, Gypsum Wallboard	Painted	Concrete	Painted	* SEE PLANS FOR SUSP GYP BOARD CEILING
	ELECTRIC CLOSET 'C'	75th to 110th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CLOSETS	77th to 79th, 86th to 107th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Painted	
		80th to 85th FLS.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard	Painted	Concrete	Unfinished	
	ELECTRIC SUB-STATION	75th & 108th FLS.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Painted	
	RETURN AIR PLENUMS	74th & 108th FLS	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	CORRIDOR *	77th, 79th [illegible] 94th FL.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		* SEE TENANT ARCH.DWGS. FOR DETAILS & FINISHES @ 94TH FL.
	SERVICE ROOM	77th TO 107th FLS.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	CLOSET (MAIL ROOM)	77th TO 79th, 86th TO 107th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Painted	
		80th TO 85th FLS.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	ELEVATOR LOBBIES * **	77th TO 107th FLS.							* SEE ELEV. LOBBY DWGS. FOR DETS. & FINISHES & FOR 107TH FL. SEE DWG. A-B-171 ** SEE TENANT ARCH. DWGS. FOR DETAILS & FINISHES @ 94TH FL.
	U.S. MAIL 'VM' ROOM	86th, 98th, 100th & 106th FLOORS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	ELECTRIC CLOSET 'E' & 'W'	77th TO 107th FLS.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	TELEPHONE CLOSETS	"	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	JANITOR CLOSETS *	77th TO 106th FLS. 107th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Unfinished	Metal Pan		* SEE TENANT ARCH. DWGS. FOR DETAILS & FINISHES @ 107TH FL.
	WOMEN'S TOILETS	77th TO 106th FL	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	POWDER ROOMS		Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	MEN'S TOILETS		Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	VESTIBULE (MEN'S TOILET)	"	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud		Metal Pan		
	SECONDARY MOTOR ROOMS	[illegible]	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	ELEVATOR MACHINE ROOMS	[illegible]	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	MECHANICAL EQUIPMENT ROOMS	75th, 76th, 108th & 109th FLS.	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Unfinished	
	MOTOR GENERATOR ROOMS	75th & 76th FLS	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Painted	Concrete, Spray-on F.P.	Painted	
	ELEVATOR PITS	76th & 77th FLS	Dustproof Concrete	None	Gypsum Plank	Unfinished			
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	77th & [illegible] FLS	Dustproof Concrete	Cement	Gypsum Plank, Gypsum Wallboard, Metal Stud		Concrete, Spray-on F.P.	Painted	
	MAIN CORRIDOR (SKYLOBBY) *	78th FL.							* SEE LOBBY DRAWINGS FOR DETAILS AND FINISHES
	TENANT SPACE *	77th to 107th FL							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES
	SHUTTLE SECONDARY LEVEL	80th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	SHUTTLE SECONDARY MOTOR ROOM VEST'S	80th FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	SHUTTLE ELEV. MACHINE ROOMS	81st FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Concrete, Spray-on F.P.	Painted	
	MAIL ROOM	78th FL.	Vinyl Asbestos	Resilient	Gypsum Plank, Gypsum Wallboard, Metal Stud	Painted	Acoustic Tile		
	A.C. PLENUMS	82nd FL.	Dustproof Concrete	None	Gypsum Wallboard, Metal Stud	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	RESTAURANT & OBSERVATION *	107th FL.							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES
	FIRE RESERVE & EXPANSION TANK ROOM	110th FL.	Dustproof Concrete	Cement					
	ROOF STAIR *	110th FL.	Dustproof Concrete	None	Gypsum Wallboard, Metal Stud, Alum. Panels	Unfinished	Concrete	Painted	* SEE PLANS & DETAILS FOR EXTENT OF WATERPROOFING
	CROSS CORRIDOR *	78th FL.							* SEE SKYLOBBY DRAWINGS FOR DETAILS AND FINISHES
	LOCAL ELEVATOR LOBBIES *	78th FL.							* SEE SKYLOBBY DRAWINGS FOR DETAILS AND FINISHES
	K.E. FLUE & ELEC TRANSFER SPACE	100th FL.	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete	Unfinished	
	D[illegible] SPACE	82nd FL	Dustproof Concrete	None	Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	M.E.Z. TOILET	75th FL.	Ceramic Tile	Ceramic Tile	Ceramic Tile, Gypsum Plank, Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Concrete, Spray-on F.P.	Painted	SEE PLAN FOR SUSP GYP BOARD CEILING
	UNASSIGNED SPACE	75th FL.	Dustproof Concrete		Gypsum Plank, Gypsum Wallboard	Unfinished	Concrete, Spray-on F.P.	Unfinished	
	M.E.R. TOILET	108th FL.	Ceramic Tile	Ceramic Tile	Gypsum Plank, Gypsum Wallboard, Metal Stud	Spray Glazed Coating	Concrete, Spray-on F.P.	Painted	SEE PLAN FOR SUSP GYP BOARD CEILING
	ESCALATOR A-110 & C-110 *	107th TO 110th FLS.							* SEE ESCALATOR & OBSERVATION DECK DRAWINGS FOR DETAILS AND FINISHES
	ESCALATOR B-110, D-110 & STAIR P.H. #1 *	110th TO OBSERV.							* SEE ESCALATOR & OBSERVATION DECK DRAWINGS FOR DETAILS AND FINISHES

GENERAL NOTES

1. ALL DIMENSIONS ON PLANS ARE TO ROUGH WALLS AND PARTITIONS.
2. FOR WINDOW HEIGHTS SEE ELEVATIONS AND DETAILS. WINDOW HEIGHTS ARE NOMINAL; FOR ACTUAL DIMENSIONS SEE WINDOW CONTRACTORS DETAILS AND ERECTION DRAWINGS.
3. ALL DOORS WITH CLOSERS (OTHER THAN SPRING HINGES) TO BE KEPT 6" MINIMUM CLEAR OF ROUGH WALLS ON HINGED SIDE.
4. CANTS REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
5. FOR PERIPHERY A.C. UNITS, AIR CONDITIONING DUCT WORK, PIPING & EQUIPMENT AND FOR EXHAUST DUCTS ETC. SEE MECHANICAL DWGS.
6. FOR ALL PLUMBING PIPES, RISERS, DRAINAGE AND DETAILS ETC. SEE PLUMBING DRAWINGS.
7. FOR ALL ELECTRICAL WIRING, RISER DIAGRAMS, LIGHTING, CONVENIENCE OUTLETS AND DETAILS, ETC. SEE ELECTRICAL DRAWINGS.
8. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 8'-4" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. WHERE CINDER BLOCK FIREPROOFING IS CALLED FOR AROUND COLUMNS, CINDER BLOCK IS 3" SOLID BLOCK UNLESS OTHERWISE SHOWN OR NOTED.
11. ALL ELECTRIC CELLS (POWER AND TELEPHONE) THAT ARE EXPOSED OVER ELEVATOR MACHINE ROOMS, SHAFTS AND STAIRS ARE TO BE FIREPROOFED AT UNDERSIDE FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF ELECTRIC CELLS AND FIREPROOFING.
12. WHEREVER TOP REGISTERS AND GRILLES ARE SHOWN ON HVAC DRAWINGS SUCH REGISTERS AND GRILLES SHALL BE MAINTAINED HARD TO FINISHED SUSPENDED CEILING UNLESS OTHERWISE SHOWN OR NOTED ON ARCHITECTURAL DRAWINGS
13. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRWGS A-AB-206 TO A-AB-212
14. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP

ABBREVIATIONS

BM.	BEAM	M.R.	MOP RECEPTOR
COND.	CONDUIT	MEMB.	MEMBRANE
CEIL.	CEILING	M.L.F.	METAL LATH AND FURRING
C.E.	COMBINATION ELEVATOR	M.L.	METAL LATH
CEM.	CEMENT	N.W.	NORTH WEST
CL.	CLOSET	N.E.	NORTH EAST
CONC.	CONCRETE	PL.	PLASTER
COL.	COLUMN	P.H.	PAPER HOLDER
DN.	DOWN	P.E.	PASSENGER ELEVATOR
DET.	DETAIL	R.S.	RESILIENT SADDLE
ELEC. CL.	ELECTRIC CLOSET	R.A.	RETURN AIR
ELEC.	ELECTRIC	RM.	ROOM
ELEV.	ELEVATOR	R.D.	ROOF DRAIN
EL.	ELEVATION	S.N.D	SANITARY NAPKIN DISPOSAL
FIN.	FINISH	S.N.V.	SANITARY NAPKIN VENDOR
FL.	FLOOR	S.A.	SUPPLY AIR
F.P.S.C.	FIREPROOF SELF CLOSING	S.W.	SOUTH WEST
F.T.	FACING TILE	S.E.	SOUTH EAST
F.E.	FREIGHT ELEVATOR	SUSP.	SUSPENDED
H.R.	HANDRAIL	ST. PIPE	STANDPIPE
HR.	HOUR	T.C. & R	TOWEL CABINET AND WASTE RECEPTOR
H.P. EL.	HIGH POINT ELEVATION	TEL. CL.	TELEPHONE CLOSET
JAN. CL.	JANITORS CLOSET	T.E.	TOILET EXHAUST
K.E.	KITCHEN EXHAUST	VEST.	VESTIBULE
L.P. EL.	LOW POINT ELEVATION	W.P.	WATERPROOFING

CONTRACT BID DRAWING date 3-1-68

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REVISIONS

NO.	DATE	BULL. NO.	BY
	1-8-75	B-281	L.J.
	—	B-276	L.J.
	1-22-74	B-266	L.J.
	8-29-73	B-242	D[illegible]
	8-24-73	B-238	J.H.
	8-24-73	B-239	J.H.
	2-7-72	B-150	L.J.
	8-24-71	B-111	L.J.
	4-28-71	B-11	DG.
	4-28-71	B-59	DG.
	1-29-71	B-84	L.J.
	11-24-70	B-72	DG
	5-22-70	B-48	A.W.
	9-29-69	B-34	L.J.
	9-29-69	B-27	DG
	9-29-69	B-28	DG
	9-29-69	B-12	DL.
	9-29-69	B-14	DL.
	9-29-69	B-13	DL.
	11-1-68	B-7	RR.
	8-1-68	B-6	RH
	5-1-68	B-1	J.N.L.

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT – RICHARD ROTH – NO. 9731 – UNIVERSITY OF THE STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES – MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS – RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON – STRUCTURAL ENGINEERS

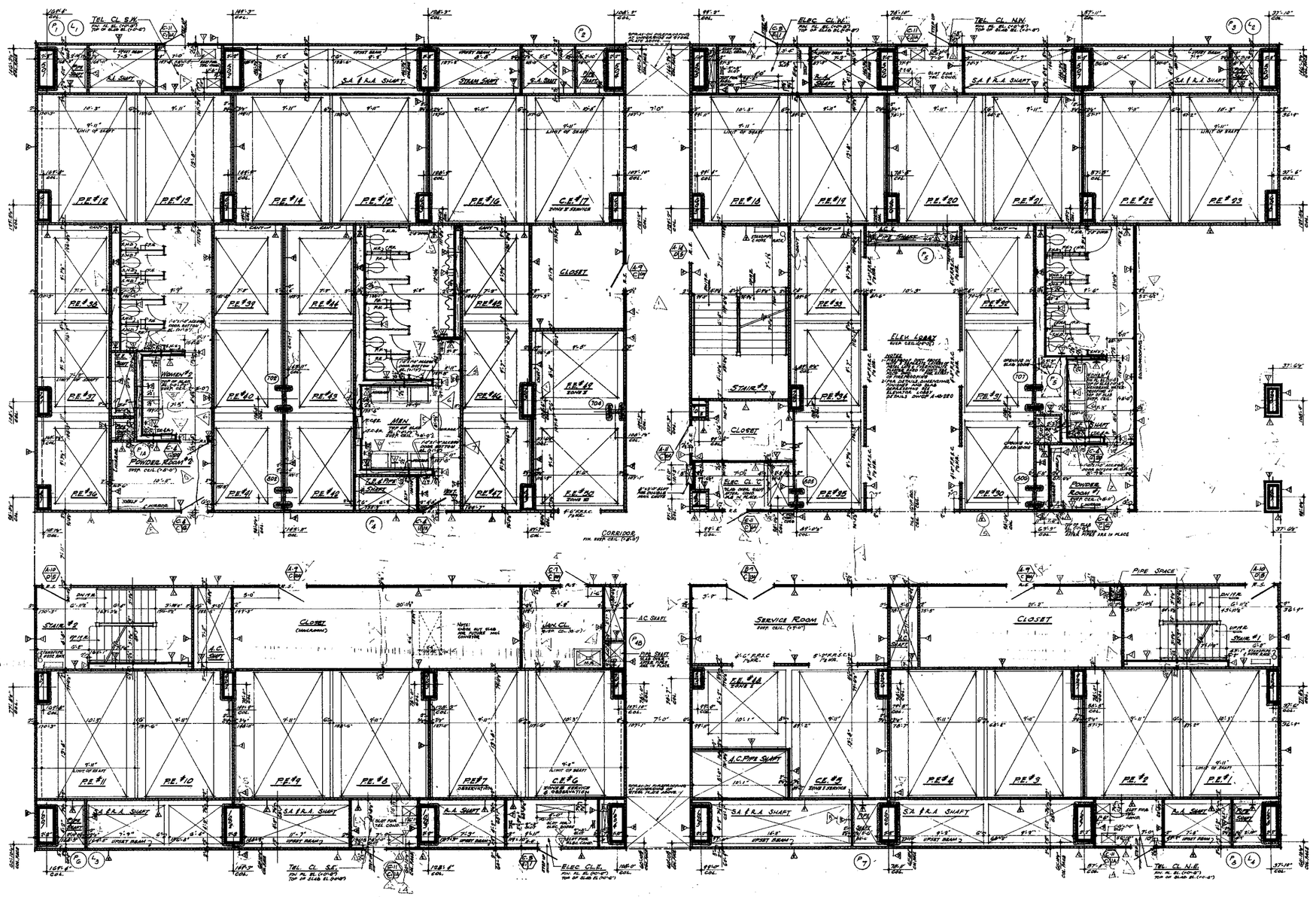
JAROS, BAUM & BOLLES – MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES – ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY – PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE – ZONE I-II-III

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·5		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-8-1 TO A-8-4 & C
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING #A-8-09
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS# A-48-206 AND A-48-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR, ELEVATION ∫ TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS, OTHERWISE SHOWN OR NOTED.
8. PLUNGER SOAP DISPENSERS IN MEN AND WOMENS TOILETS, ONE SOAP DISPENSER AT EACH LAVATORY, ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COVERING. SEE TYPICAL TOILET DETAILS DRAWING #A-48-314.
9. AREAS W/ SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" NOMINAL (FACTUAL) DIMENSION, ON BEARING WALLS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS. A-48-206 TO A-48-210

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	SUB. NO.	BY
1	9-19-68	S-81	L.L.
2	9-19-68	S-82	L.L.
3	9-29-69	S-12	E.C.
4	9-29-69	S-13	E.C.
5	9-29-69	S-23	E.C.
6	9-29-69	S-13	E.C.
7	5-1-68	S-6	R.T.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

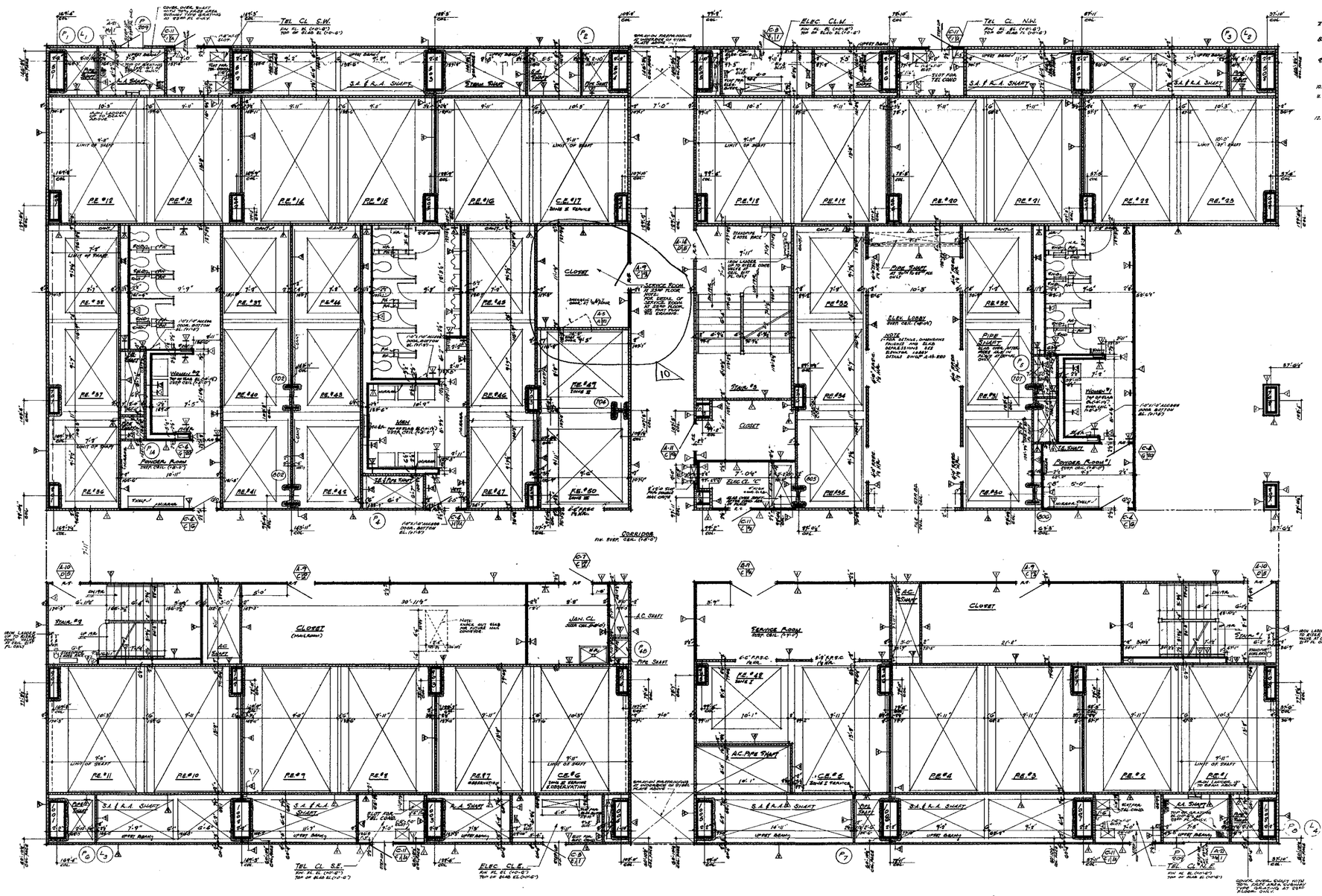
TITLE: 19TH FLOOR CORE PLAN

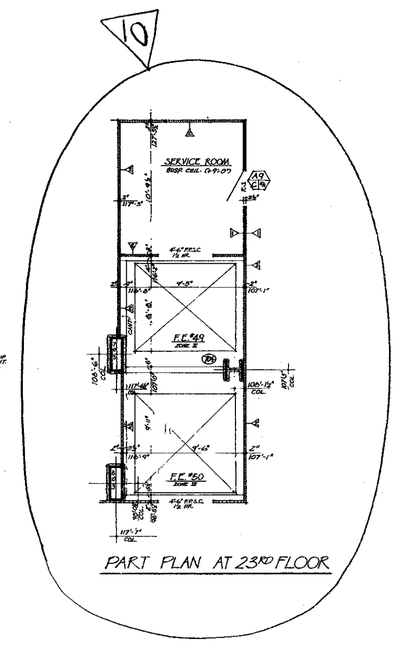
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·50		

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-B-1 TO A-B-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING "A-B-41"
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG." A-B-204 AND A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DRAWING A-B-205.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: _____
11. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 5" NOMINAL (4¾" ACTUAL) DIMENSION IN EXHIBIT SHAFTS SHALL BE MINIMUM 70" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL DETAILS SEE DRAWINGS A-B-204 TO A-B-212.

NORTH





PART PLAN AT 23RD FLOOR

CONTRACT BID DRAWING: date 8-1-68

NO.	DATE	BUL. NO.	BY
1	7-16-68	B-60	J.R.
2	9-19-68	B-81	L.J.
3	9-19-68	B-86	L.J.
4	9-19-68	B-92	L.J.
5	9-19-68	B-98	L.J.
6	9-19-68	B-99	L.J.
7	9-19-68	B-103	L.J.
8	11-1-68	B-9	K.K.
9	2-1-68	B-C	R.F.H.
10	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

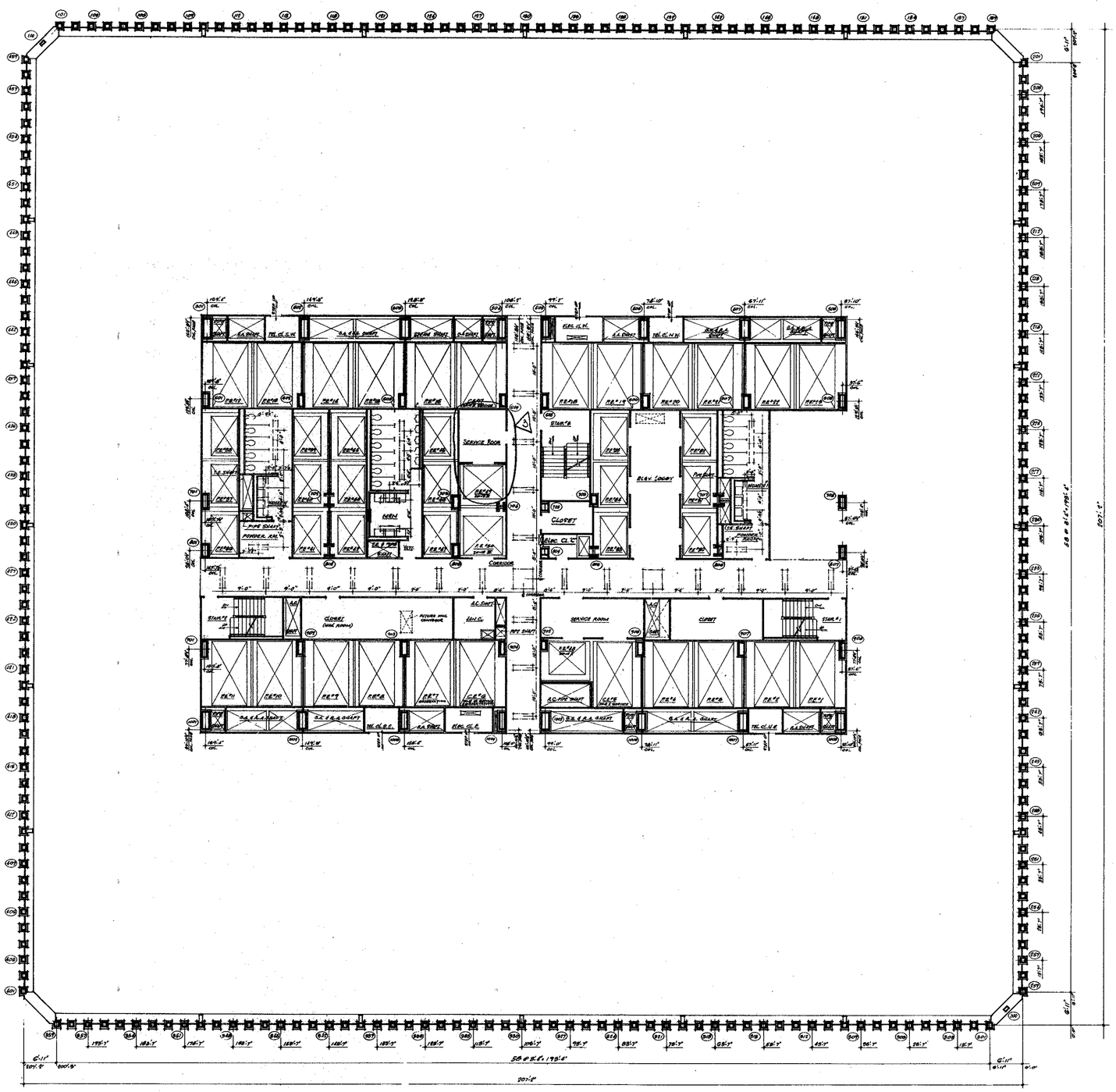
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 20TH TO 23RD FL CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·51		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SOURCES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS # A-0-53
3. ALL ELEVATIONS AVAIL PAPS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE DISCIPLINES DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, TOILS, VESTIBULES ETC., BOTTOM ELEVATION OF ALL PIPING AND STRUCTURAL STEEL SHALL BE MAINTAINED AT 8'-8" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ - - _____

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
3	7-16-73	B-880	LK
4	9-28-69	B-83	LK
5	9-29-69	B-10	RC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MINORU YAMASAKI — STATE OF NEW YORK — NO. 13,798

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

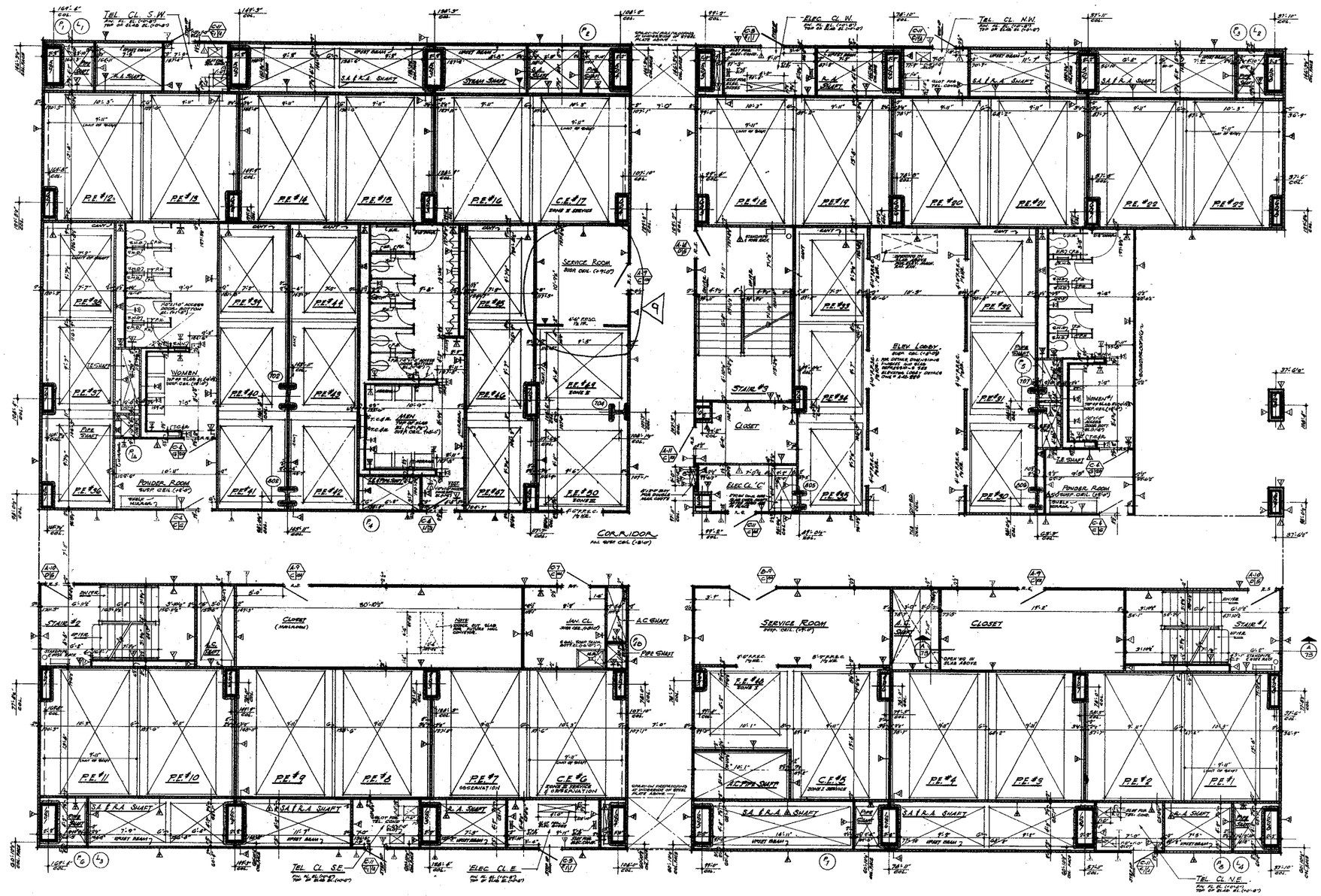
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4 8' 16' 24'

TITLE: 24TH FLOOR PLAN

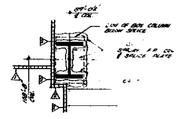
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·52		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-0-6
2. FOR COMPLETE 16' SCALE FLOOR PLAN SEE DRAWING # A-B-52
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-B-204 AND A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A 3-HOUR-RATED TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING SEE TYPICAL TOILET DETAILS DWG # A-B-204.
9. WHERE 18" EQUIPPED CHANNELS ARE CALLED FOR SUCH AS IN CLOSETS STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF 7'-6" A.F.F. UNDER.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: — — — — — —
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 76° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS. A-AB-206 TO A-AB-212.



COLUMN DETAILS
SCALE 3/16"=1'-0"

CONTRACT	BID	DRAWING + date 8-1-68		
		7-10-78	B-240	J.B.
		1-27-69	B-81	E.C.
		9-29-69	B-93	E.C.
		9-29-69	B-12	E.C.
		9-29-69	B-13	E.C.
		9-29-69	B-76	E.C.
		9-29-69	B-15	E.C.
		8-1-68	B-6	R.T.H.
		5-1-68	B-1	T.G.

NO. DATE BUL. NO. BY REVISIONS

NO. DATE BUL. NO. BY REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

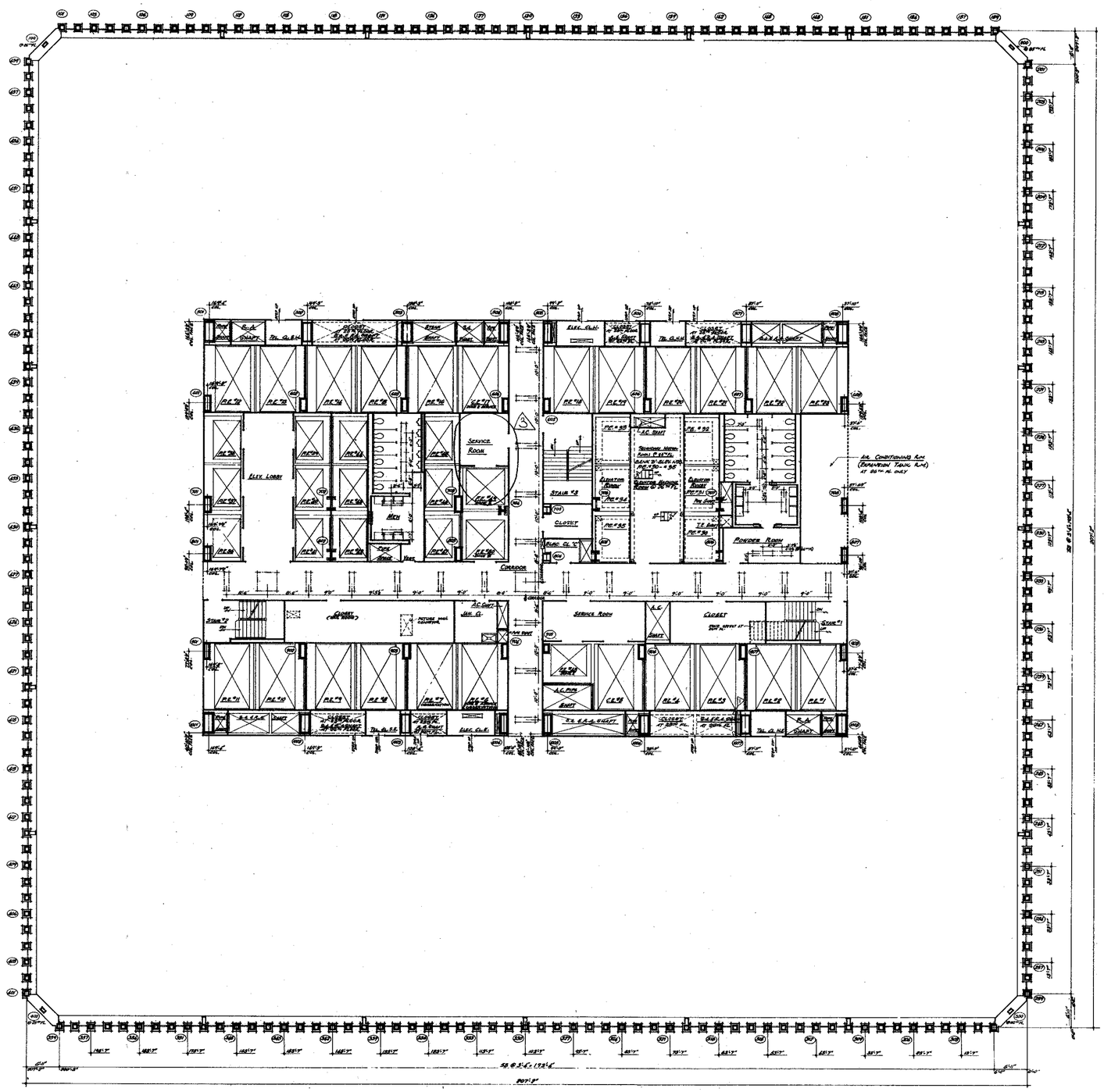
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4 8' 12'

TITLE: 24TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·53		



NORTH

NOTES

1 – FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-B-1 TO A-B-6

2 – FOR COMPLETE DIMENSIONING AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-B-55 & A-B-56.

3 – ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.

4 – FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

5 – ALL TROUGH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TROUGH HEADER AND FIREPROOFING.

6 – CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.

7 – FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED

8 – WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PATRIZZI ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

9 – EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———·———

CONTRACT - BID DRAWING date 3-1-68

NO.	DATE	SUL. NO.	BY

REVISIONS

NO.	DATE	SUL. NO.	BY
1	7-16-68	B-140	J.E.
2	9-27-68	B-186	E.C.
3	2-27-69	B-17	L.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 25TH & 26TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·54		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-B-5A
3. ALL ELEVATIONS GIVEN THUS (101.0') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-B-204 AND A-B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A BREAK-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (-0'-4") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE GRAB UNDERBODY IN NEW AND REMOVE TOILETS ONE DIMENSIONAL AT EACH LAVATORY, ACCESS DOORS TO GRAB DIMENSIONS FAILURE TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG # A-B-216
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, RECESSES ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-4" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ _____ _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (5" ACTUAL) DIMENSION IN ELEVATOR SHAFT AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS #A-AB-206 TO A-AB-212.

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	SUB. NO.	BY
1	7-16-73	B-160	J.E.
2	9-27-67	B-31	E.C.
3	9-29-68	B-89	L.J.
4	9-29-69	B-98	L.J.
5	9-29-69	B-112	L.J.
6	9-29-69	B-118	L.J.
7	9-29-69	B-125	L.J.
8	8-1-68	B-6	R.T.M.
9	8-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

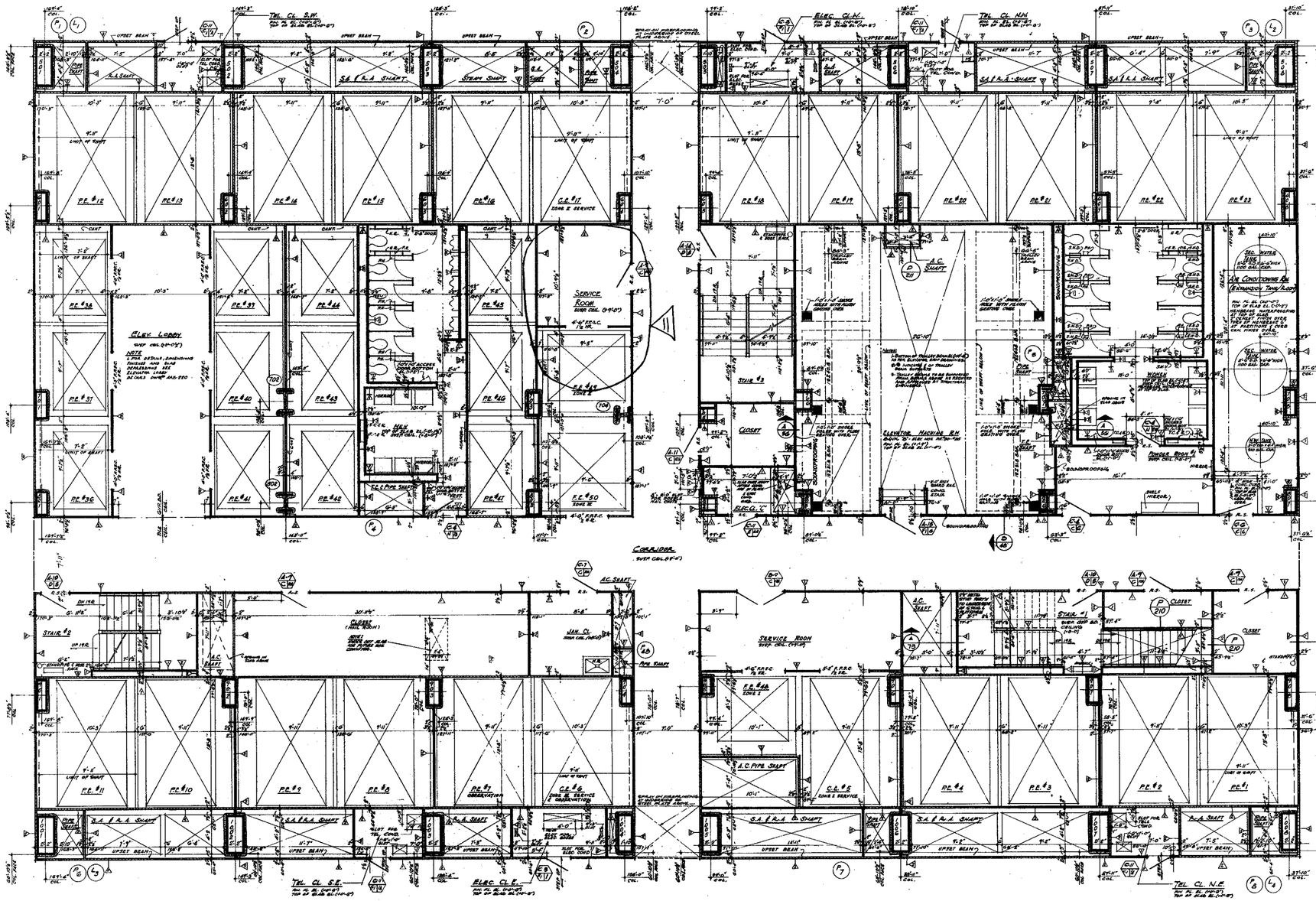
TITLE: 25TH FLOOR CORE PLAN

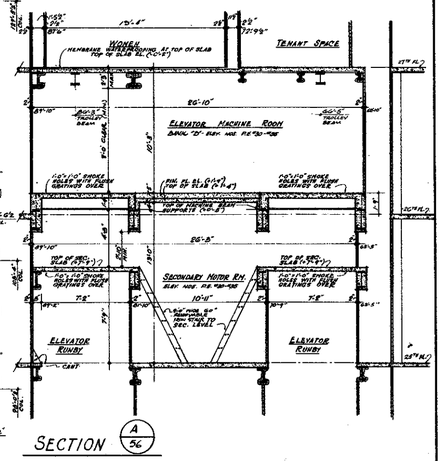
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	1-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·55		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS #A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-B-55
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG #A-B-54 & A-B-105
6. ALL TRENCH HEADERS TO BE PREFROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH 1 BRUSH COAT TYPE PREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWING FOR LOCATION OF TRENCH HEADER AND PREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE JOINT DIVERSORITY IN MEN AND WOMEN'S TOILETS, ONE DIVERSORE AT EACH LAVATORY; ACCESS DOORS TO SOAP DISPENSERS, VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS, DWG # A-B-54.
9. WHERE NO DIVERSORE CEILINGS ARE CALLED FOR, SHOW AS IN CLOSETS, SHAFTS, MACHINERY ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-6" TO MINIMUM FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. GANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 14" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWING A-B-105 TO A-B-112

NORTH





SECTION A/5c

BULLETING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT "3D" DRAWING DATE 8-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-88	LJL
2	9-27-69	B-81	EC
3	9-29-69	B-89	LJL
4	9-29-69	B-13	EC
5	9-29-69	B-18	EC
6	9-29-69	B-26	EC
7	9-29-69	B-15	EC
8	11-1-68	B-7	RR
9	8-1-68	B-6	RTH
10	5-1-68	B-1	DG
11	7-16-73	B-260	JA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 21,679 STATE OF NEW YORK

1/4"=1'-0" 0 1 2 3 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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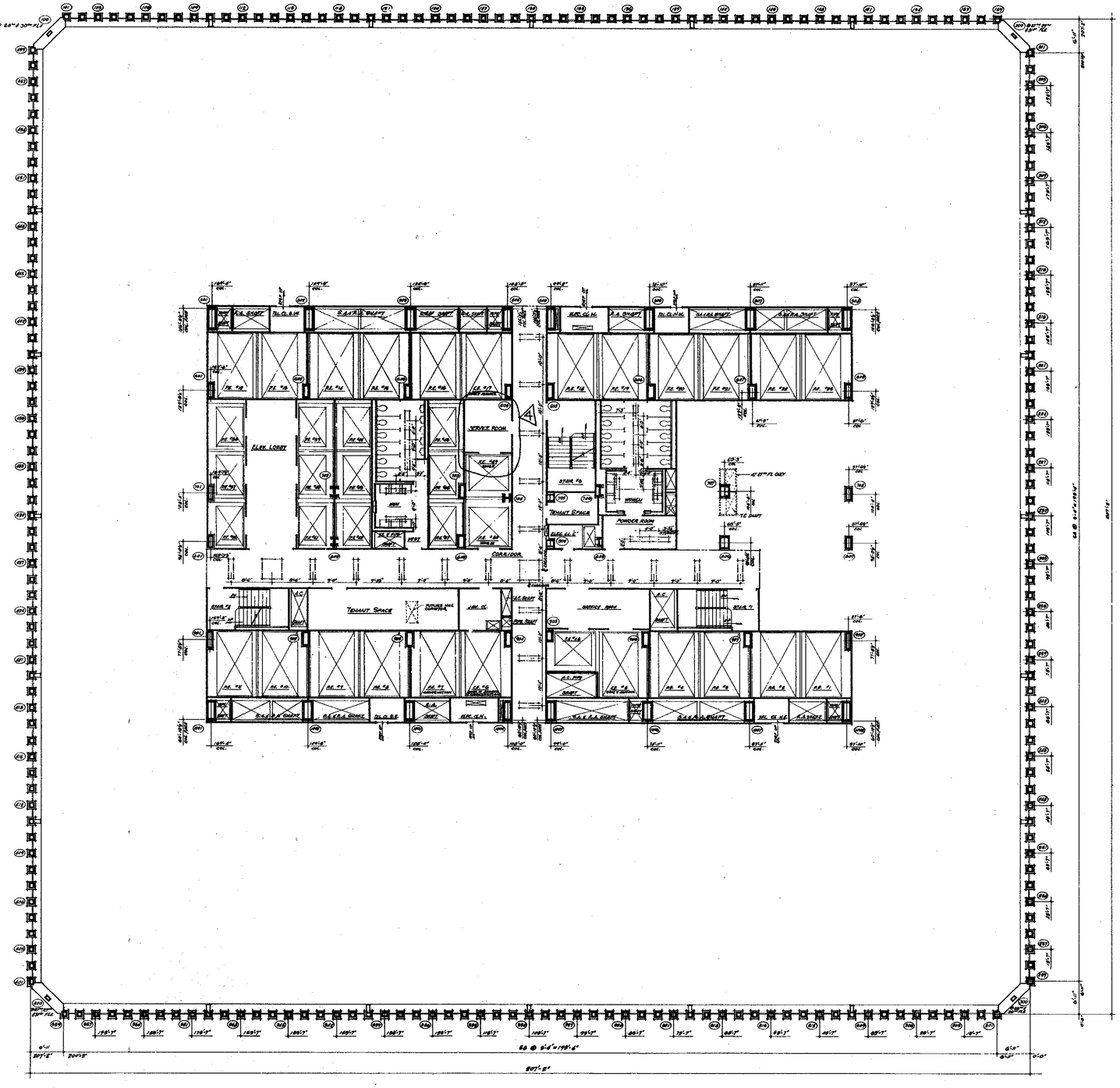
PAVING, UTILITIES, FOUNDATIONS

TITLE: 26TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·56		





NOTES

1. - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-2.5-1 TO A-2.5-8
2. - FOR COMPLETE DIMENSIONS NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWINGS A-2.5-2.0
3. - ALL ELEVATIONS GIVEN THUS (5'-0") ARE IN RELATION TO FINISH FLOOR.
4. - FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. - ALL TROUGH LEADERS TO BE PREPROVIDED AS UNDERSIDE OF SLAB FOR A WIDTH OF 5'-0" WITH A SCREW IN TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TROUGH HEADER AND FIREPROOFING.
6. - CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. - FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CONTRACT BID DRAWING: date - 3-1-68

NO.	DATE	BUL. NO.	BY
1	7-10-73	B-640	J.R.
2	9-29-69	B-36	E.C.
3	9-29-69	B-36	E.C.
4	9-29-69	B-72	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 11177 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0" 0 4' 8' 16' 24

TITLE: 27TH TO 31ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·57		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO # A-0-6
2. FOR COMPLETE 'A' SCALE FLOOR PLAN SEE DRAWING #A-0-57
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ARCHITECTS AND ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-4B-204 & A-4B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUNGER SOAP DISPENSERS IN MEN AND WOMEN TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG # A-4B-216
9. MINIMUM NO SUSPENDED CEILINGS ARE CALLED FOR, EXCEPT AS IN CLOSETS, STAIR PASSAGES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CAUTIS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24 NOMINAL (EXACTUAL DIMENSION) BEHIND CHARTS AND SHALL BE MINIMUM 7'10"DEEP HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTY WALL DETAILS SEE DWG # A-4B-204 TO A-4B-212

NORTH

PART PLAN AT 27TH FLOOR

CONTRACT	BID	DRAWING	date 8-1-68

NO.	DATE	SUL. NO.	BY
6	8-28-73	8-288	LJ
5	7-16-73	8-260	LB

REVISIONS

NO.	DATE	SUL. NO.	BY
10	6-28-71	8-148	L.J.
9	8-27-70	8-108	A.M.
8	9-29-69	8-96	E.C.
7	9-29-69	8-91	E.C.
6	9-29-69	8-89	L.J.
5	9-29-69	8-72	E.C.
4	9-29-69	8-18	E.C.
3	9-29-69	8-25	E.C.
2	9-29-69	8-13	E.C.
1	8-1-68	8-4	R.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT NEW YORK STATE

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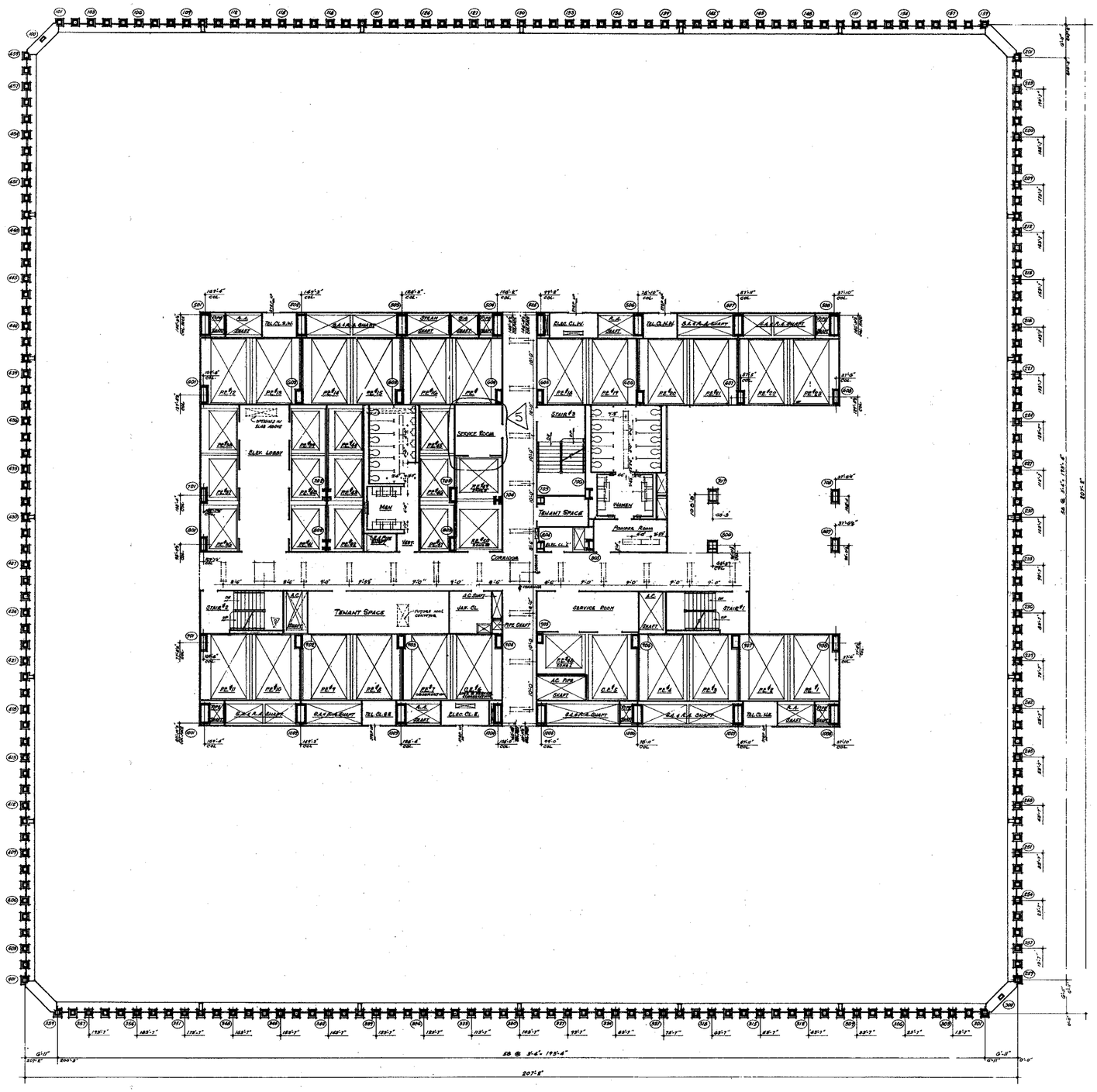
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 27TH TO 31ST FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/4" 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·58		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-13
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING # A-B-20.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	REVISION	BY
1	7-10-78	B-140	J.R.
2	9-29-69	B-34	E.C.
3	9-29-69	B-36	E.C.
4	9-29-69	B-12	L.W.
5	9-29-69	B-13	L.W.

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4 8 16' 24'

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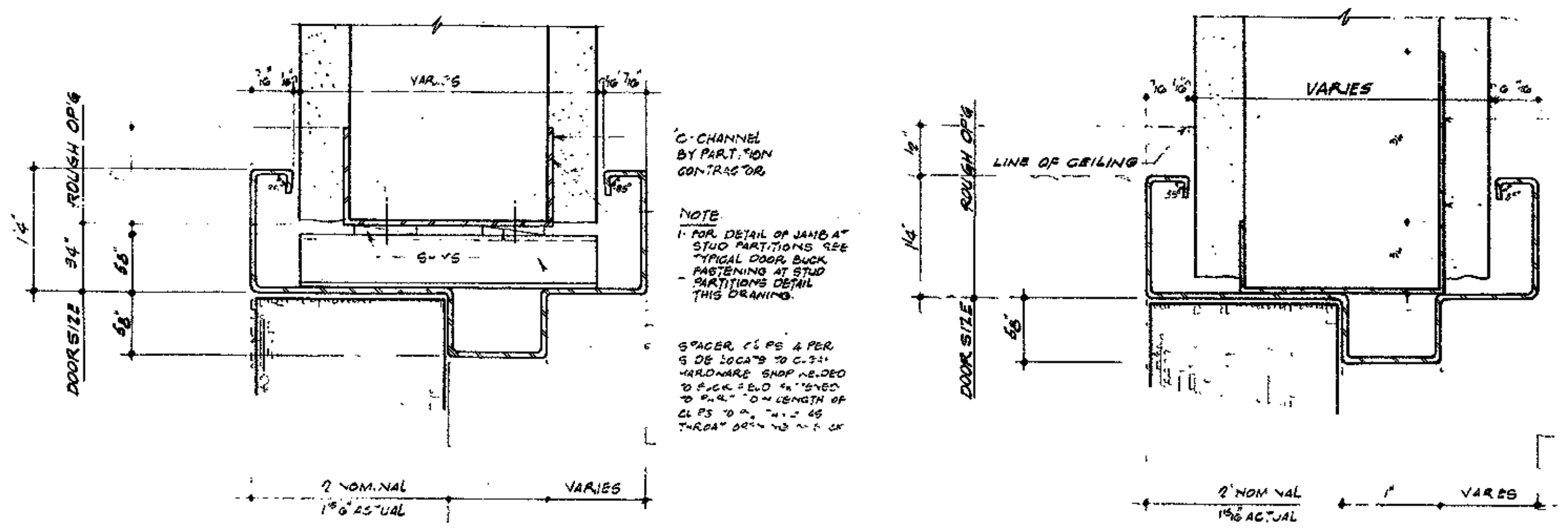
PAVING, UTILITIES, FOUNDATIONS

TITLE: 32ND FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·59		



TYPICAL JAMB AT GYP. PLANK PART'N

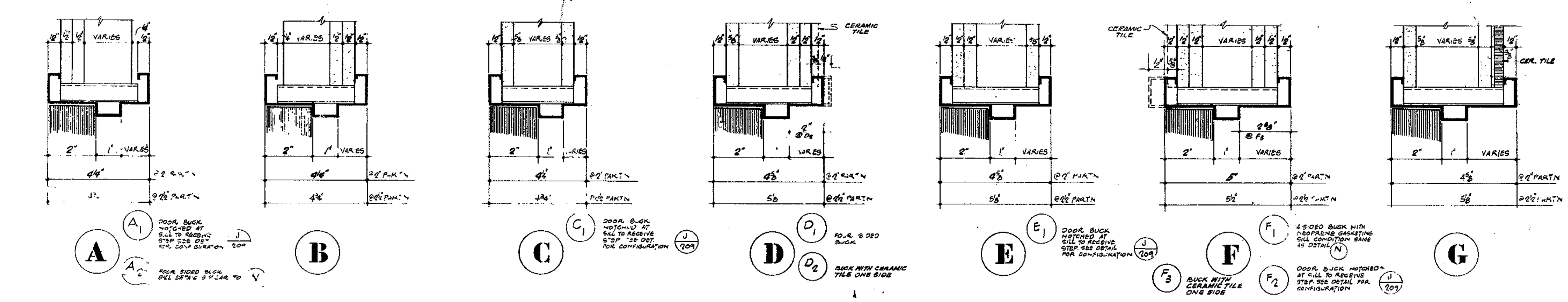
TYPICAL HEAD AT GYP. PLANK PART'N.

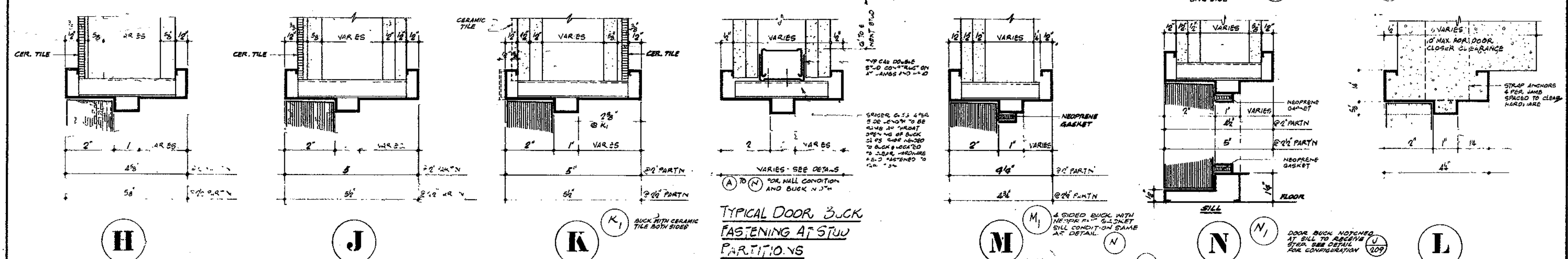
SCALE FULL SIZE

HUNG LINTEL SCHEDULE

No.	SIZE	LENGTH	SECTION	WALL THICKNESS	BOTTOM ELEVATION	REMARKS
HL-1	8x6x5/16	19'-11"	L	8"	+298'-6"	SECURE TO STEEL TRUSS
HL-2	5"x5"x5/16 / 5"x5"x5/16	7'-11"	JL	1'-0"	+9'-0"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-3	5x5"x5/16 / 5x5"x5/16	7'-11"	JL	1'-0"	+7'-0"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-4	5x5x5/16	6'-5"	L	6"	+7'-6"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-5	5x3½x5/16 / 5x3½x5/16	9'-6"	JL	8"	+261'-3"	HUNG FROM SLAB ABOVE 3 HANGERS
HL-6	5x3½x5/16 / 5x3½x5/16	8'-6"	JL	8"	[illegible]	HUNG FROM SLAB ABOVE 3 HANGERS
HL-7	5"x5"x5/16 / 5"x5"x5/16	4'-5"	JL	1'-0"	+5'-6"	HUNG FROM STEEL ABOVE 2 HANGERS
HL-8	5"x5"x5/16 / 5"x5"x5/16	4'-5"	JL	1'-0"	+6'-0"	HUNG FROM STEEL ABOVE 2 HANGERS
HL-9	5"x5"x5/16 / 5"x5"x5/16	4'-11"	JL	1'-0"	+7'-0"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-10	5"x5"x5/16 / 5"x5"x5/16	5'-11"	JL	1'-0"	+5'-6"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-11	5"x5"x5/16 / 5"x5"x5/16	5'-11"	JL	1'-0"	+6'-0"	HUNG FROM STEEL ABOVE 3 HANGERS
HL-12	4"x6"x5/16 / 3"x4"x5/16	5'-11"	JL	8"	+9'-4"	HUNG FROM STEEL ABOVE CLIPPED TO CONC. AT JAMBS
HL-13	5"x5"x5/16 / 5"x3½"x5/16	5'-11"	JL	1'-0"	+8'-0"	HUNG FROM STEEL ABOVE 3 HANGERS.
HL-14	5"x3½"x5/16 / 5"x3½"x5/16	7'-11"	JL	8"	+8'-6"	HUNG FROM STEEL ABOVE 3 HANGERS.

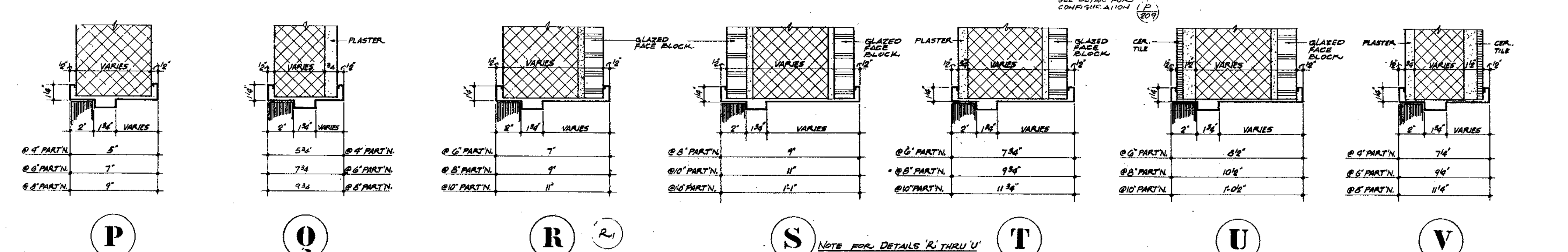
NOTE:
1. ALL FIXED LINTELS ARE ½" SHORT OF OPENING AT EACH END
2. ALL HANGERS TO BE 8"x3"x5/16" CLIPPED TO STEEL OR SLAB ABOVE. ONE HANGER AT EACH END OF LINTEL SHALL BE NOT MORE THAN 6" FROM THAT END. INTERMEDIATE HANGERS TO BE SPACED NOT TO EXCEED 4'-0" O.C.



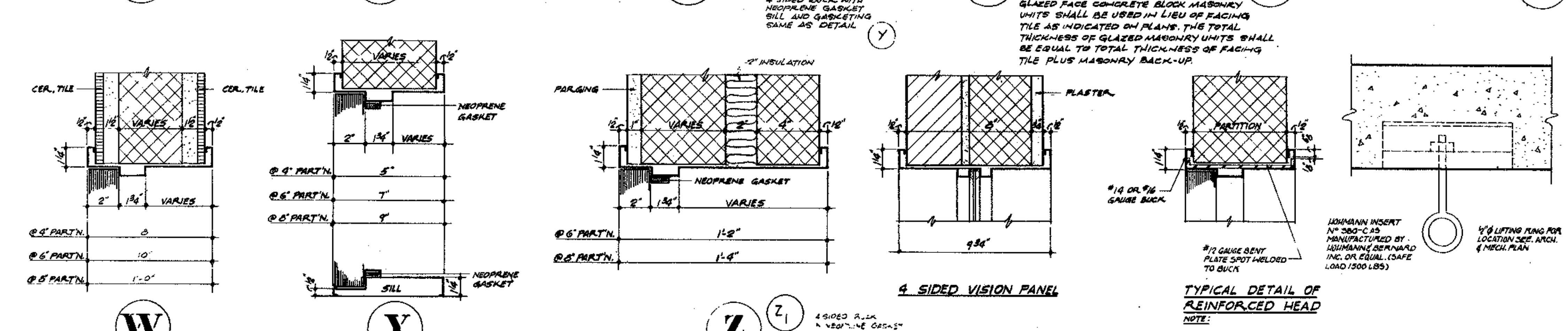


TYPICAL DOOR BUCK FASTENING AT STUD PARTITIONS

SCALE: HALF FULL SIZE FOR DETAILS (A) THROUGH (N)



NOTE FOR DETAILS 'R' THRU 'U'
GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.



4 SIDED VISION PANEL

TYPICAL DETAIL OF REINFORCED HEAD

NOTE:
SEE SCHEDULE OF BUCK AND REINFORCEMENT GAUGE FOR LOCATION

SCALE: 3" = 1'-0" FOR DETAILS (P) THROUGH (Z)

SCHEDULE OF BUCK AND REINFORCEMENT GAUGES

DOOR SIZE	PARTITION THICKNESS	BUCK GAUGE	REINFORCEMENT GAUGE
UP TO 4'-0" *	2", 3" & 4"	#16	SEE NOTE #2
UP TO 3'-0" *	6"	#16	SEE NOTE #2
3'-1" TO 4'-0"	6"	#16	#12
2'-0" TO 4'-0"	8"	#14	#12
4'-1" TO 6'-0"	2", 3", 4", 6", & 8"	#14	#12

NOTES
1. ALL BUCK REINFORCEMENT AS SHOWN ON SCHEDULE APPLIES TO ONE PIECE BUCKS IN MASONRY PARTITIONS ONLY.
2. ALL DOOR BUCK THAT CARRY FACING TILE OR MARBLE TO HAVE #12 GAUGE REINFORCEMENT HEADS.
3. ALL DOORS 6'-1" OR LARGER AND ALL EXTERIOR DOORS TO HAVE ANGLE LINTELS.
4. ALL DOOR BUCKS THAT CARRY PARTITIONS 8" OR MORE IN THICKNESS SHALL BE #14 GAUGE BUCKS WITH #12 GAUGE REINFORCEMENT.
5. DETAILS OF DOOR BUCKS ARE SHOWN FOR WIDTH OF BUCK AND WALL CONDITIONS ONLY. FOR ACTUAL DOOR LOCATION & SWING REFER TO PLANS.

LOOSE LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECTION	WALL THICKNESS	NO.	SIZE	LENGTH	SECTION	WALL THICKNESS
L-1	3½"x3½"x5/16 / 3½"x3½"x5/16	6'-4"	JL	10"	L-8	6x3½x5/16 / 6x3½x5/16	5'-10"	JL	8"
L-2	5"x5"x5/16"	6'-4"	L	6"	L-9	5x3½x5/16 / 5x3½x5/16	6'-6"	JL	8"
L-3	5x5x5/16	3'-10	L	6"	L-10	5x5x5/16	5'-10"	L	6"
L-4	5x5"x5/16	4'-4	L	6"	L-11	5"x3½"x5/16 / 5"x3½"x5/16	4'-4"	JL	1'-0"
L-5	6"x5"x5/16	5'-1"	L	6"	L-12	5"x3½"x5/16 / 5"x3½"x5/16	4'-4"	JL	8"
L-6	5"x3½"x5/16 / 5"x3½"x5/16	3'-6"	JL	6"	L-13	5"x3½"x5/16 / 5"x3½"x5/16	3'-8"	JL	1'-0"
L-7	5"x3½"x5/16 / 5"x3½"x5/16	5'-4"	JL	8"	L-14	5"x3½"x5/16 / 5"x3½"x5/16	3'-4"	JL	8"
					L-15	4"x3"x5/16 / 4"x3"x5/16	3'-2½"	JL	6"

DOOR SCHEDULE

ELEVATION — TYPE A: FLUSH HOLLOW METAL DOOR.

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
A-1	2'-6"	7'-0"	1¾"	●		●		●						
A-2	3'-0"	7'-0"	1¾"	●		●								
A-3	3'-0"	7'-0"	1¾"	●		●		●	●					
A-4	3'-0"	7'-0"	1¾"		●	●								
A-5	3'-0"	7'-0"	1¾"	●		●								
A-6	3'-0"	7'-0"	1¾"	●		●		●						
A-7	3'-9"	7'-0"	1¾"	●		●								
A-8	3'-9"	7'-0"	1¾"	●		●		●	●					
A-9	3'-0"	7'-10¼"	1¾"		●	●								
A-10	3'-0"	7'-10¼"	1¾"	●		●								
A-11	3'-0"	7'-10¼"	1¾"		●	●					●			
A-12	3'-0"	7'-10¼"	1¾"	●		●								
A-13	3'-0"	7'-10¼"	1¾"	●		●		●	●					
A-14	3'-9"	7'-10¼"	1¾"	●		●								
A-15	3'-9"	7'-10¼"	1¾"	●		●		●	●					
A-16	3'-9"	8'-2¼"	1¾"	●		●								
A-17	3'-0"	8'-2¼"	1¾"	●		●								
A-18	3'-0"	8'-2¼"	1¾"		●	●					●			
A-19	3'-0"	9'-6¼"	1¾"	●		●								
A-20	2'-6"	7'-0"	1¾"	●		●		●	●					
A-21	2'-6"	7'-10¼"	1¾"	●		●		●	●					
A-22	2'-0"	4'-0"	1¾"	●		●		●	●					
A-23 *	3'-0"	7'-0"	1¾"	●		●		●	●					* FOR BUCK & LINTEL DETAILS SEE DWG. A-AB-324
A-24 *	2'-0"	7'-0"	1¾"	●		●		●	●					* FOR BUCK & LINTEL DETAILS AT ROOFSTAIR & WASHER AREA SEE DWG. A-AB-324
A-25	2'-6"	7'-0"	1¾"		●	●								
A-26	2'-6"	7'-10¼"	1¾"		●	●								
A-27 *	3'-0"	7'-0"	1¾"			●		●	●					* DOOR TO BE SECURED TO FRAME WITH (3) BOLTS ON EACH SIDE, THROUGH THE DOOR FRAME BEADS & DOOR BODY. SECURE DOOR WITH WING NUTS ON THE OUTER FACE.

ELEVATION — TYPE B: 2-FLUSH HOLLOW METAL DOORS (SEE NOTE #3 BELOW)

NOTES:
1. TYPE B-2 DOORS AT AIR LOCKS 294 LEVEL TO BE NEOPRENE GASKETED AT JAMB AND HEAD WITH AUTOMATIC DROP SEAL AT SILL.
2. LOUVERS AT TYPE B-5, B-8, B-10 DOORS ONLY
3. FIXED POLISHED WIRE GLASS PANEL ON LOCKSET SIDE FOR B-8 & B-11 DOORS ONLY.

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
B-1	5'-0"	7'-0"	1¾"	●		●		●	●					
B-2 * **	5'-0"	7'-0"	1¾"	●		●								* LOOSE LINTEL ABOVE DOOR AT EL. (+10'-4") TO BOTTOM OF LINTEL WITH REMOVABLE MASONRY BELOW. LOCATED AT SERVICE LEVEL ELEV. 294'-0", VESTIBULE CONNECTING MAIN CORRIDOR AND P.A. PARKING AREA. ** FOR DETAILS OF AIR LOCKS ON 294 [illegible] A-AB-238
B-3	5'-0"	7'-10¼"	1¾"	●		●					●			
B-4	5'-0"	7'-10¼"	1¾"	●		●								
B-5	5'-0"	8'-2¼"	1¾"		●	●								
B-6	5'-0"	8'-2¼"	1¾"	●		●								
B-7	6'-0"	7'-0"	1¾"	●		●								
B-8	5'-0"	7'-0	1¾"	●		●								
B-9	5'-0"	7'-0¼"	1¾"		●	●					●			
B-10	5'-0"	9'-6¼"	1¾"	●		●								
B-11	6'-0"	7'-0"	1¾"	●		●								
B-12	6'-0"	8'-0"	1¾"	●		●								
B-13 *	4'-0"	7'-10½"	1¾"	●		●								* 1½" H.M. DOOR FRAME - CONCEALED OVERHEAD DOOR CLOSER - FLUSH DOOR PULLS.

ELEVATION — TYPE C: FLUSH HOLLOW METAL DOOR WITH LOUVRE

NOTES
1. ALL TOILET DOORS TO HAVE 2'-0" WIDE x 1'-4" HIGH 50% FREE AREA LOUVER AND ¾" UNDERCUT.

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
C-1	2'-6"	7'-0"	1¾"		●	●								
C-2	3'-0"	7'-0"	1¾"	●		●						●		
C-3	2'-6"	7'-10¼"	1¾"	●		●								
C-4	3'-0"	7'-10¼"	1¾"	●		●								
C-5	3'-0"	7'-10¼"	1¾"	●		●						●		
C-6	3'-9"	7'-10¼"	1¾"	●		●						●		
C-7	3'-0"	7'-10¼"	1¾"		●	●					●			
C-8	2'-6"	7'-10¼"	1¾"		●	●						●		
C-9	2'-6"	8'-2¼"	1¾"		●	●					●	●		
C-10	2'-6"	4'-0	¾"		●	●								
C-11	2'-6	7'-10¼"	¾		●	●								
C-12	2'-0"	7'-0"	1¾"		●	●								
C-13	2'-6"	7'-0"	1¾"	●		●								
C-14	3'-0"	7'-10¼"	1¾"		●	●								
C-15	2'-6"	7'-0"	1¾"	●		●						●		
C-16	3'-0"	7'-0"	1¾"		●	●					●			
C-17	3'-0"	8'-2¼"	1¾"		●	●					●			* OMIT 180° SWING AT TOILETS.
C-18	2'-6"	7'-0"	1¾"		●	●						●		
C-19	2'-6"	7'-0"	1¾"		●	●					●			

ELEVATION — TYPE D: FLUSH HOLLOW METAL DOOR. FIXED POLISHED WIRE GLASS VISION PANEL ON LOCKSET SIDE

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
D-1	3'-0"	7'-0"	1¾"	●		●		●						
D-2	3'-0"	7'-0"	1¾"	●		●								
D-3	3'-0"	7'-0"	1¾"	●				●					●	NO VISION PANEL

ELEVATION — TYPE E: FLUSH HOLLOW METAL DOOR WITH SLIDING PANEL (VERT. SLIDING PANEL)

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
E-1	3'-0"	7'-0"	1¾"	●		●								
E-2	3'-9"	7'-0"	1¾"	●		●								

ELEVATION — TYPE X: 3'-0" MIN. WIDTH

TYPE NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	F.P.S.C.	F.P.	½ HR. LABEL	1½ HR. LABEL CLASS 'B' UNDERWR. APPR.	4 SIDED BUCK	NEOPRENE GASKET	AUTOMATIC DROP SEAL	180° SWING	2# LOUVRE MAXIMUM	3 HR. FIRE RATED	REMARKS
X-1 *														* SEE CURTAIN WALL CONTRACT
X-2 *	3'-9"	7'-5"	1¾"	●		●								* SEE CONCOURSE LOBBY DETAILS FOR BUCKS & FIN.
X-3 *	3'-0	9'-6¼"	1¾											* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-4 *	5'-0	9'-6¼"	1¾											* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-5 *	6'-8	9'-6¼	1¾											* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-6 *	5'-0	8'-2¼	1¾											* SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-7 *	—	—	—											* SEE MAIN-LOBBY & PLAZA LEVEL DET. FOR BUCKS & FIN. STAINLESS STEEL [illegible]
X-8 *	—	—	—											
X-9 *	—	—	—											

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				△	10-8-73	B-226	L.J.	△	11-24-70	B-72	D.G.
				△	9-24-73	B-235	J.H.	△	5-22-70	B-49	L.J.
				△	3-26-73	B-219	C.V.	△	5-22-70	B-48	A.W.
				△	3-26-73	B-222	L.J.	△	9-29-69	B-29	D.G.
				△	5-3-72	B-168	L.C.	△	9-29-69	B-12	R.H.
				△	2-4-72	B-151	L.J.	△	9-29-69	B-8	R.H.
				△	12-12-72	B-200	L.C.	△	9-29-69	B-13	R.H.
△	6-3-75	B-294	L.J.	△	4-28-71	B-11	D.G.	△	11-1-68	B-7	R.R.
△		B-266		△	1-29-71	B-84	L.J.	△	8-1-68	B-6	R.H.
△	1-22-74	B-253	L.J.	△	1-29-71	B-85	L.J.	△	5-1-68	B-1	J.V.L.

REVISIONS — REVISIONS — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD ROTH — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

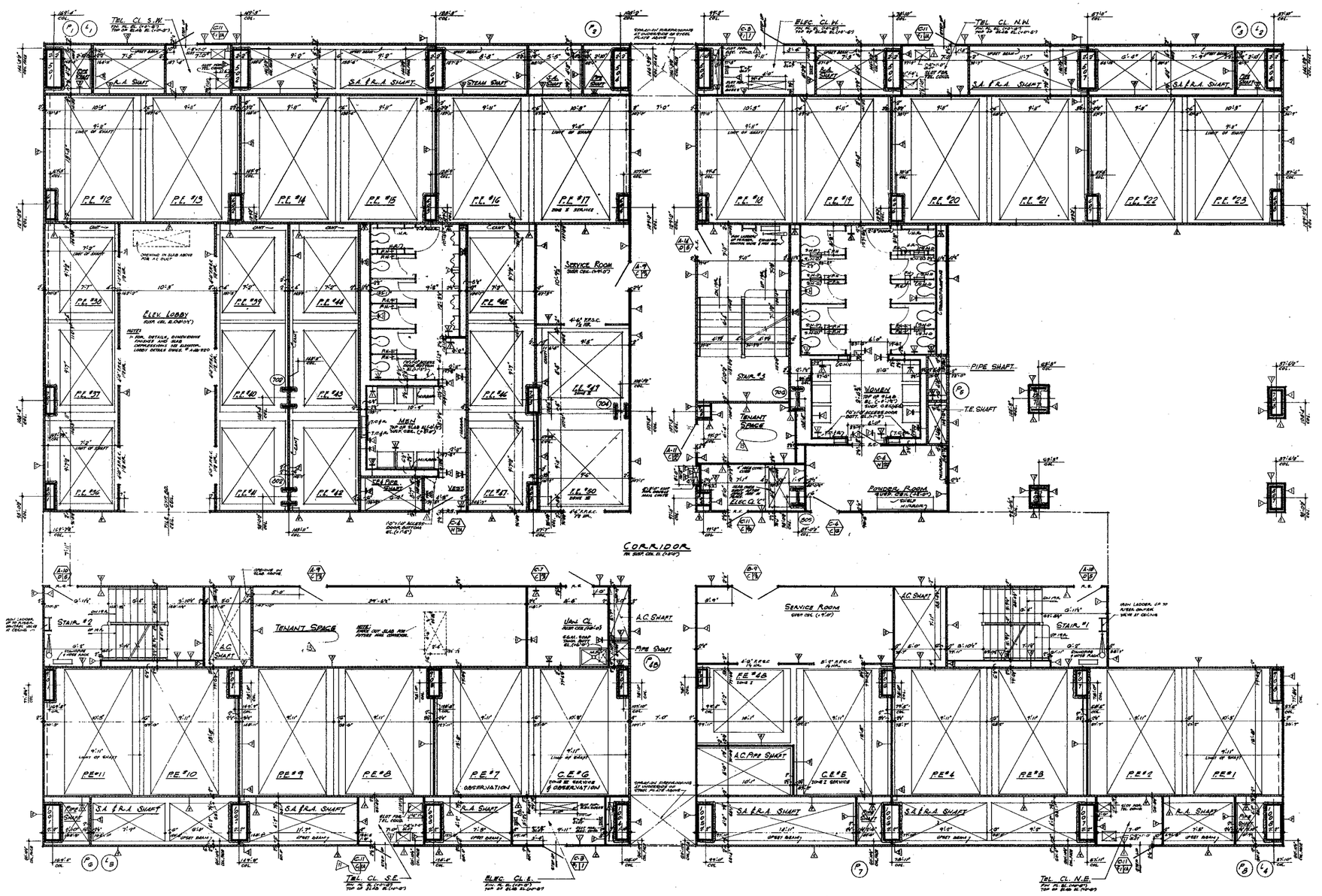
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: DOOR BUCK DETAILS & DOOR SCHEDULES

DRAWN		CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·6		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-6
2. FOR COMPLETE 16' SCALE FLOOR PLAN SEE DRAWING # A-B-59
3. ALL ELEVATIONS WITHIN THIS (3'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-AB-204 & A-AB-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. KNIFE FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (-0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER TO BE LOCATED IN ACCORDANCE WITH TILE COUNTERLINE SEE TYPICAL TOILET DETAILS DWG.# A-AB-214
9. WHERE NO DIMENSIONED CLEARS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (6" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-212.

CONTRACT "BID" DRAWING date 5-1-69

NO.	DATE	SUB. NO.	BY
5	5-22-70	B-48	A.M.
4	9-27-69	B-34	E.C.
3	9-27-69	B-31	E.C.
2	9-29-69	B-23	L.J.
1	9-19-69	B-17	L.J.
	9-29-69	B-14	L.J.
	9-29-69	B-13	L.J.
	9-29-69	B-12	L.J.
	8-1-69	B-6	R.H.
	5-1-69	B-1	DRG.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

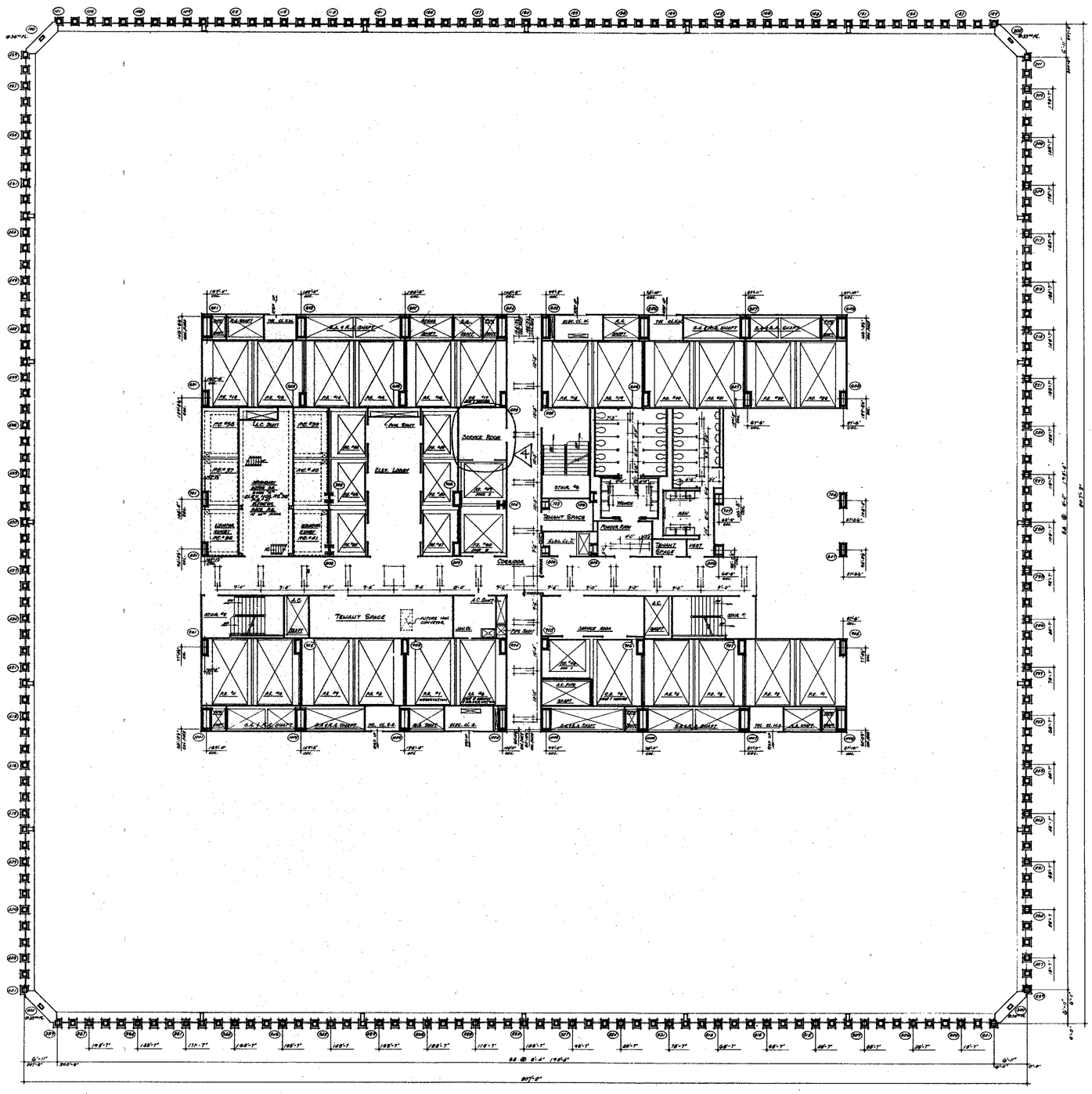
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 32ND FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·60		



NORTH

NOTES

1. FOR BRICK, MASONRY, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWINGS # A1.1 TO # A1.3
2. FOR COMPLETE PARTITIONS AND NOTES IN CORE AREA SEE 'A' SERIES CORE DRAWINGS # A-B-0.C & A-B-0.3
3. ALL ELEVATIONS GIVEN THUS (2'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE ENCAPSULATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND 20TH 0" LINE ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE 12" SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR ENTRANCES ETC, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF FURR DOWN CORRIDOR CEILING IS INDICATED THUS: _____ _____

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	SUL. NO.	BY
1	7-16-78	B-140	J.K.
2	7-27-68	B-34	E.C.
3	7-27-69	B-35	E.C.
4	7-29-69	B-13	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — NEW YORK STATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

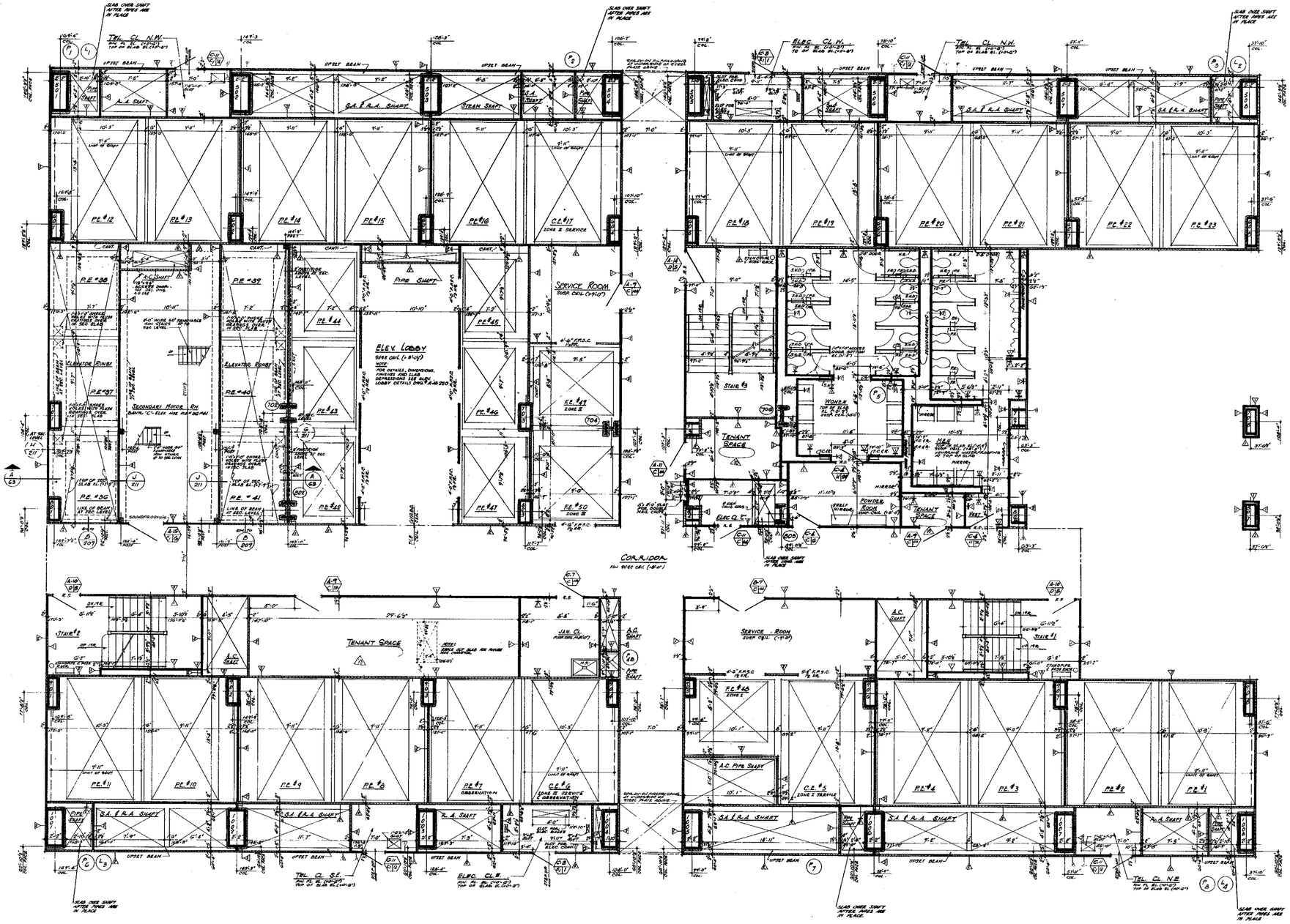
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8 16 24'

TITLE: 33rd & 34th FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·64		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-61
3. ALL ELEVATIONS GIVEN THUS (20'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-B-204 & A-M-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS AND CONTRACTORS APPROVED SHOP DWG FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (20'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PARTIAL SOUND DIVIDERS IN MEN AND WOMEN'S TOILETS. ONE DIVIDER 3" ELEC. LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE COUNTING SEQUENCE THUS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 WHERE NO SOUNDPROOF DIVIDERS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, MACHINE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———— — — —
10. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" NOMINAL (8" ACTUAL) DIMENSION, IN RELATION SHAFTS AND SHALL BE 5'-0" MIN. "T" FROM HORIZONTAL. "SEE TYPICAL DETAILS".
11. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS # A-B-206 TO A-B-212.

- CONTRACT BID DRAWING: date 8-1-68

NO.	DATE	BUL. NO.	BY
A	8-24-73	B-286	L.J.
A	7-16-73	B-280	J.B.
A	5-22-70	B-148	A.N.
A	9-29-69	B-36	E.C.
A	9-29-69	B-31	E.C.
A	9-29-69	B-29	L.J.
A	9-29-69	B-12	L.C.
A	9-29-69	B-10	L.C.
A	9-29-69	B-25	E.L.
A	8-1-68	B-6	K.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1'-2' 3' 4' 8' 12'

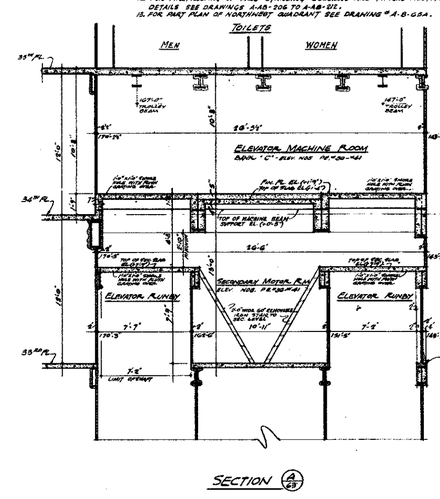
TITLE: 33RD FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-1-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-B-62	

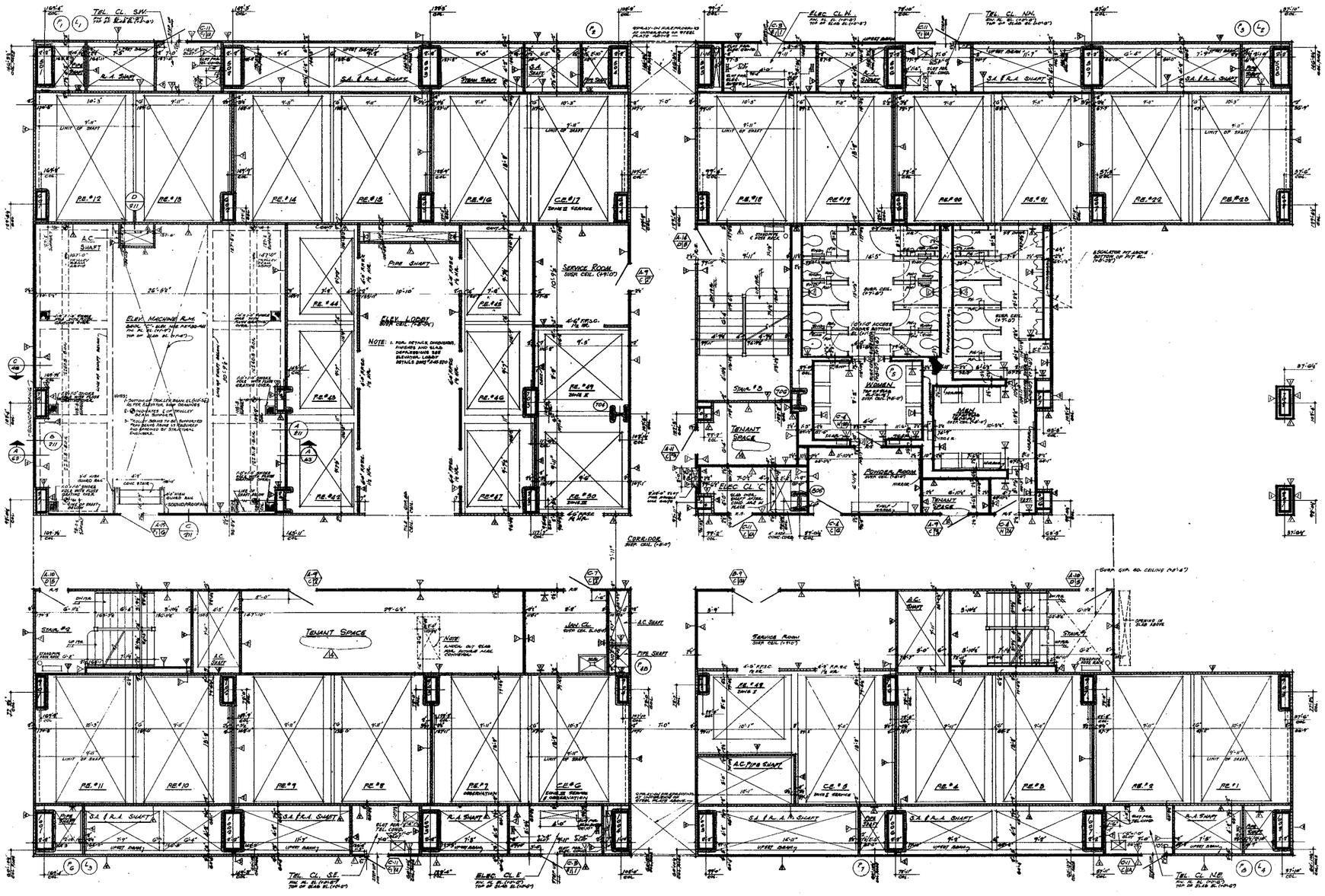
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, STANDARD ABBREVIATIONS, RISER SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-0-1 TO A-0-6
2. FOR COMPLETE "A" CORE PLAN SEE DRAWING A-B-64
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO RISER FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-4-205 & A-4-206
6. ALL TRENCH HEADERS TO BE FIRE-PROOFED AT UNDER SIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A SPRAY-ON TYPE OF FIRE-PROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIRE-PROOFING.
7. FINISH FLOOR ELEVATION 7 TOO OR SLAB ELEVATIONS ARE (100'-0" UNLESS OTHERWISE SHOWN OR NOTED.
8. PLEASE TAKE DIMENSIONS IN MEN AND WOMENS TOILETS. THE DIMENSION AT EACH LAUNDRY ACCESS DOORS TO SOIL DISTRIBUTOR VALVES TO BE LOCATED IN ACCORDANCE WITH THE DRAWING. SEE TYPICAL TOILET DETAILS DWG. # A-4-204
9. ANGLE OF SLOPING CEILINGS ARE CALCD. FOR, 1'-6" OFF IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (ACTUAL DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIRE-PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-206 TO A-A-208.
13. FOR PART PLAN OF NORTHWEST QUADRANT SEE DRAWING # A-B-65A.



SECTION (A/211)



CONTRACT	BID	DRAWING date 8-1-68			
		9-29-67	B-34	E.C.
		9-27-67	B-31	E.C.
		9-29-67	B-35	L.J.
		9-29-68	B-12	L.J.
		9-29-68	B-18	L.J.
		9-29-68	B-28	L.J.
8-20-73	B-228	L.J.	9-29-68	B-13	L.J.
7-16-73	B-240	J.B.	11-1-68	B-7	R.R.
4-19-71	B-95	L.J.	8-1-68	B-6	R.T.
5-27-70	B-48	A.M.	8-1-68	B-1	T.G.
NO. DATE	BDL. NO.	BY	NO. DATE	BDL. NO.	BY
REVISIONS			REVISIONS		

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 17 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

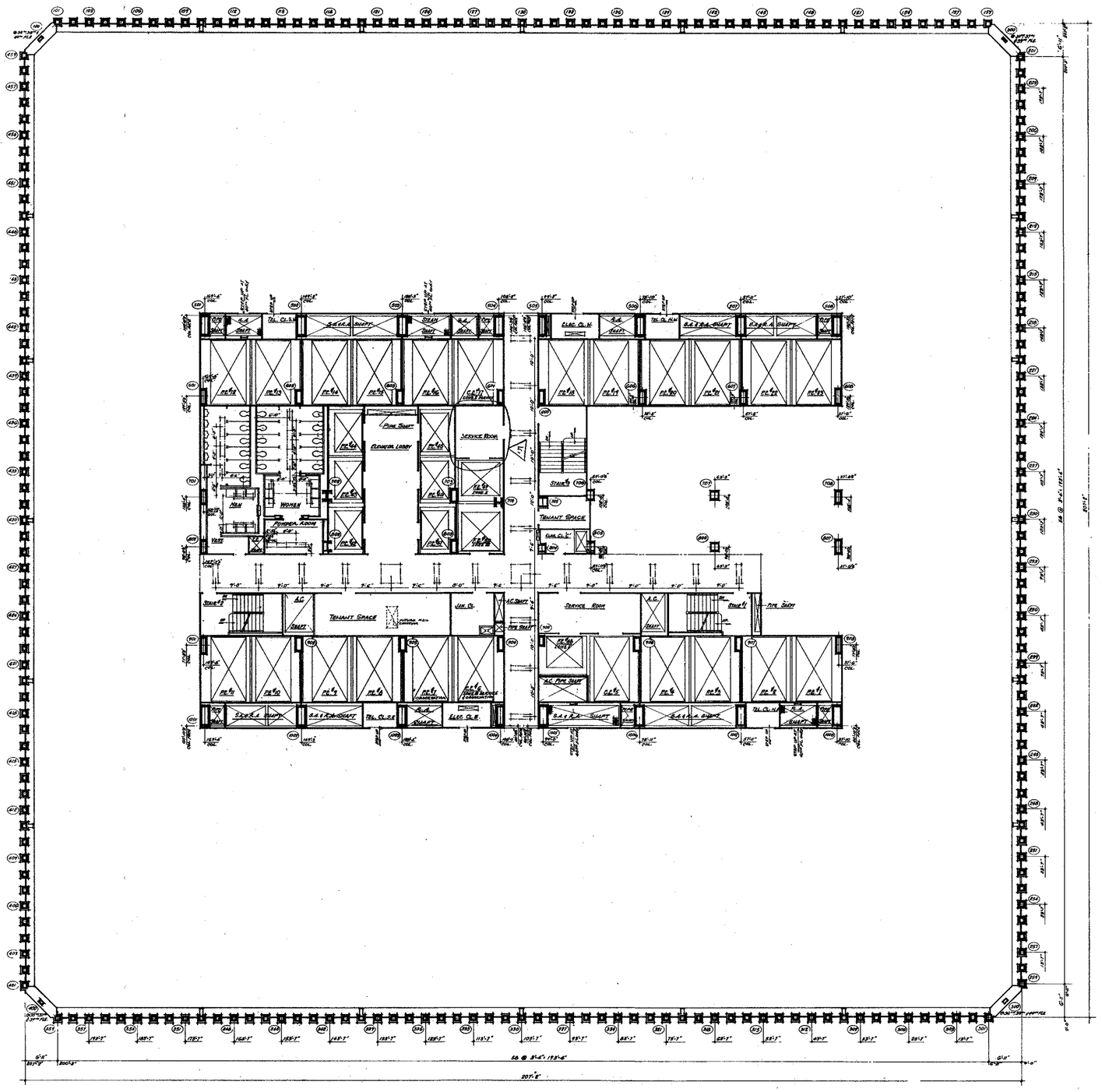
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 34TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	1-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-63		

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWINGS # A-B-2.5 & A-B-2.6
3. ALL ELEVATIONS GIVEN THUS (10'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING HAS CALLED FOR, SUCH AS IN CLOSETS STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL DUCTS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
10. FOR PART PLAN OF NORTHWEST QUADRANT SEE DRAWING # A-A-6.6A.

CONTRACT - BID - DRAWING date 5-1-68

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
4	7-16-73	B-100	J.A.
3	6-18-71	B-95	L.J.
2	9-29-69	B-36	E.C.
1	9-29-69	B-34	L.J.
⚠	9-29-69	B-12	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

LOUIS GREY ASSOCIATES, RICHARD ROTH, REGISTERED ARCHITECT, STATE OF NEW YORK

1/16"=1'-0" 0 4' 8' 16' 24

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

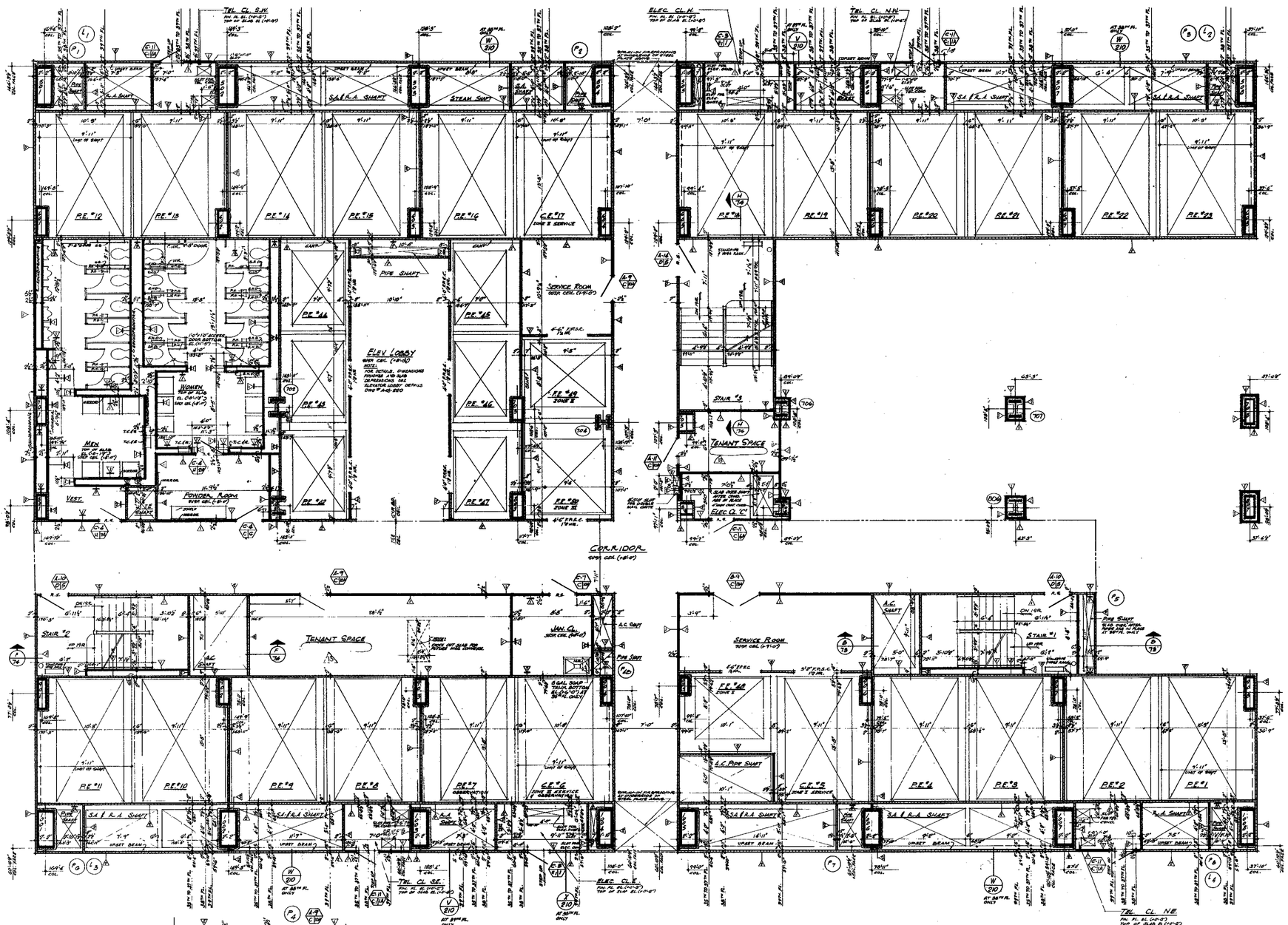
TITLE: 35TH TO 40TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"=1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·64		

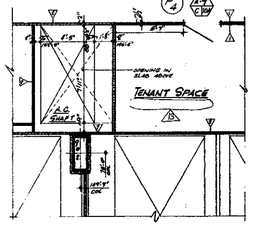
NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-0-1 TO A-B-5
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-B-64
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-B-204 & A-B-205
6. ALL TRENCH HEADERS TO BE ENCROACHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS / CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE ROOM DEPRESSES TO SEE AND WOMEN'S TOILETTE, ONE DEPRESSED AT EACH LAVATORY ACCESS LOCAD TO REAR DEPARTURE VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG #A-B-214
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PROVIDE FOR FUTURES CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: - - - - - - - - - - - -
11. CAUTIS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFT AND SHALL BE MINIMUM 7'0" FROM HANDRAIL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS. A-B-206 TO A-B-213
13. FOR PART PLAN OF NORTHWEST QUADRANT SEE DRAWING #A-B-GBA.

NORTH



PART PLAN AT 35TH FLOOR



PART PLAN AT 35TH FLOOR

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12

CONTRACT	BID	DRAWING date 8-1-68		
		5-25-70	B-48	A.W.
		9-29-69	B-34	E.C.
		9-29-69	B-31	E.C.
		9-29-68	B-33	L.J.
		9-29-69	B-12	E.C.
		9-29-69	B-18	E.C.
		9-29-69	B-28	E.C.
6-14-78	B-836	L.J.	9-29-69	B-13	E.C.
7-14-78	B-940	L.J.	5-1-68	B-9	K.T.K.
4-14-77	B-98	L.J.	5-1-68	B-1	D.G.

NO. DATE BUL. NO. BY — REVISIONS

NO. DATE BUL. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

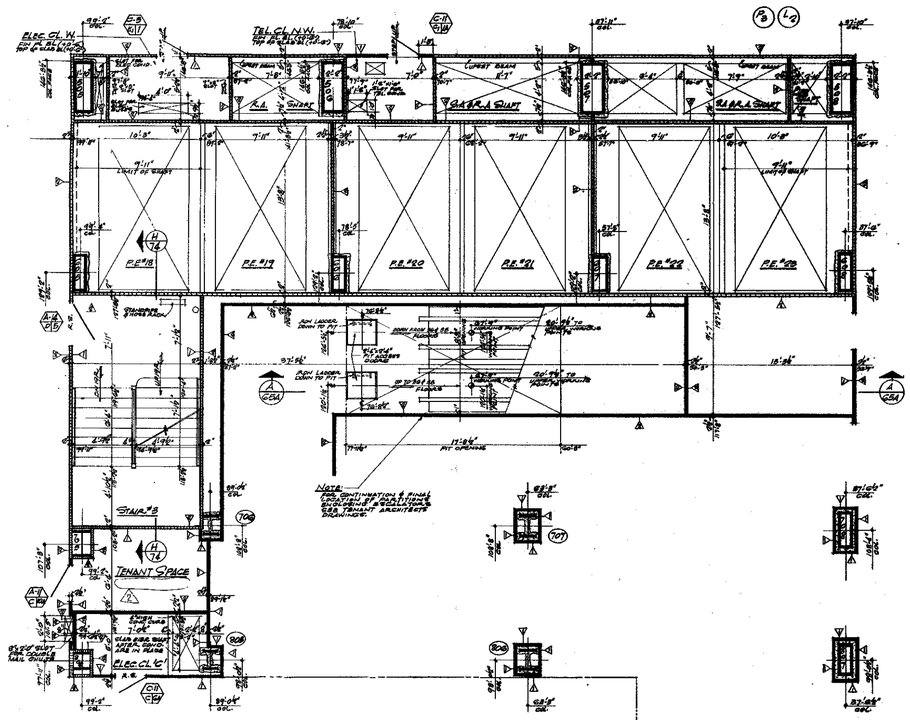
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

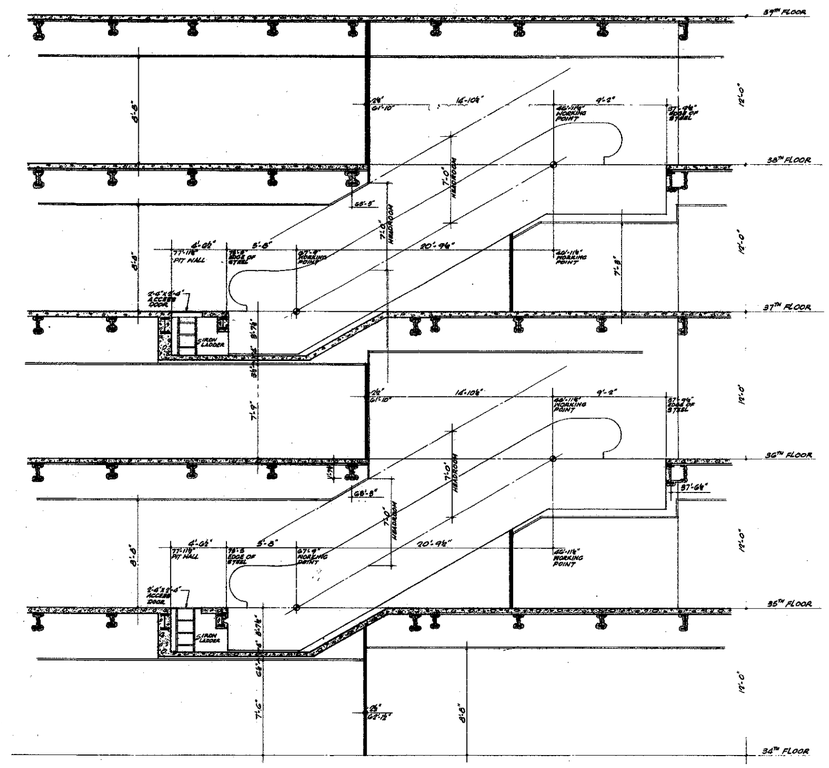
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 35TH TO 39TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-3-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·65		



PART PLAN AT 35TH & 37TH FLOORS

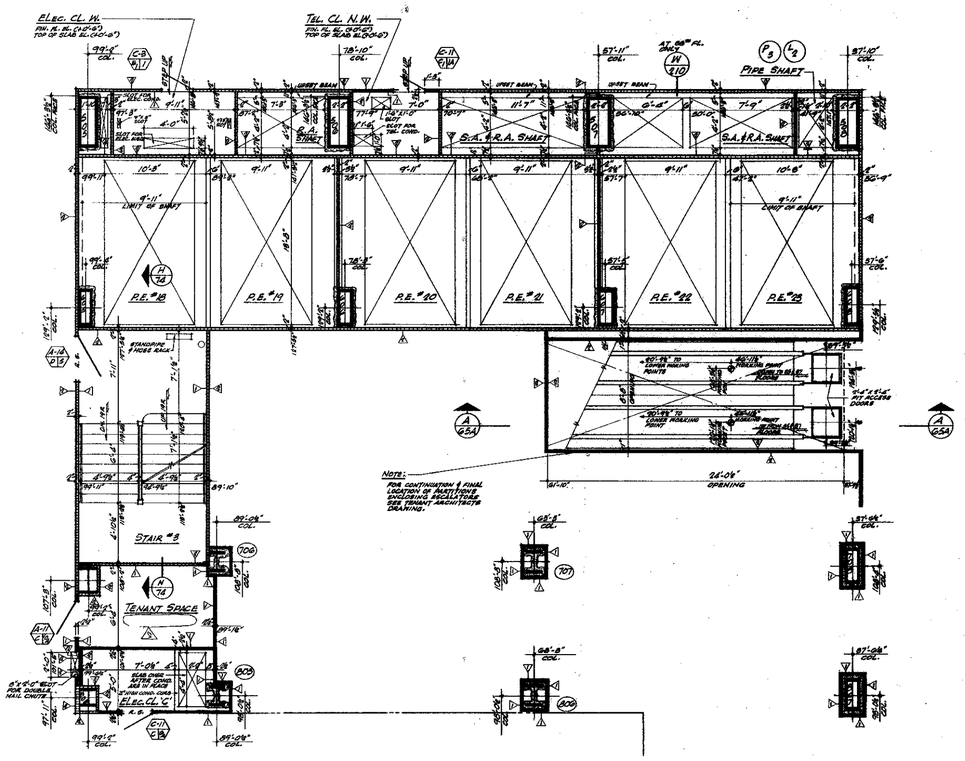


SECTION A/25A

NORTH

NOTES:

1. - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-5.
2. - FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING "A-1-02".
3. - ALL ELEVATIONS GIVEN THUS (20'-0") ARE IN RELATION TO TOP OF SLAB.
4. - FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. - FOR TYPICAL STAIR DETAILS SEE DRAWINGS "A-AB-204 & "A-AB-205.
6. - ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. - FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (2'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. - WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. - CAUTS AND REQUIRED ON ALL DUCT AND PIPE PROJECTIONS OVER 96" NOMINAL (8'-0" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 78" FROM HORIZONTAL SEE TYPICAL DETAILS.
10. - FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWING "A-AB-206 TO A-AB-214.
11. - FOR RECHECK OF DIMENSIONS AND NOTES IN CORE AREA SEE 4" SCALE DRAWINGS "A-6-06.



PART PLAN AT 36TH & 38TH FLOORS

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

CONTRACT S/D DRAWING date

NO.	DATE	SUB. NO.	BY
1	6-24-71	S-116	L.J.
2	8-24-71	S-116	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

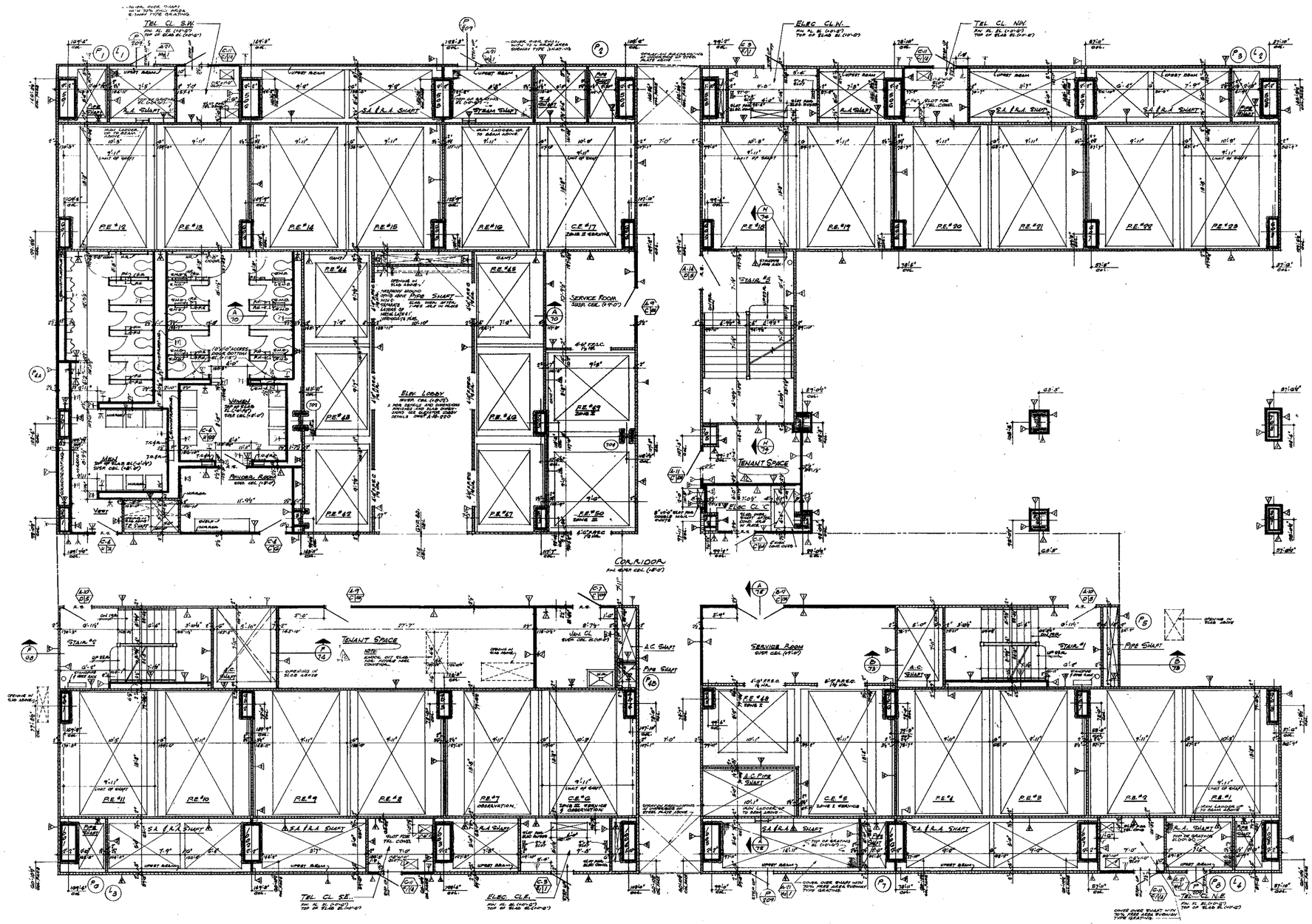
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: PART PLAN OF 35TH TO 38TH FLOORS & ESCAL. SECT.

DRAWN	L.M.J.	CHECKED	
SCALE	1/4"=1'-0"	DATE	8-3-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·65A		



North

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SYMBOLS, DOOR SYMBOLS & SYMBOLS OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-6
2. FOR CORE PLAN @ 1/8" SCALE FLOOR PLAN SEE DWG # A-B-66
3. ALL ELEVATIONS GIVEN THUS (78'-6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-4A-204 & A-4A-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (-2'-0") UNLESS SHOWN OR NOTED.
8. FLOOR SOIL DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH C-4 CORE PLAN. SEE TYPICAL TOILET DETAILS DWG # A-B-214
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND SOFFITS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _
11. LIMITS ARE REQUIRED ON ALL SLAB PENETRATIONS OVER 24" NOMINAL (12"ACTUAL) DIMENTIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75" FROM WALL SO AS TO ALLOW FOR TEL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-2B-204 TO A-2B-212.

* BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
6	6-26-73	B-238	L.J.
7	7-10-73	B-247	J.K.

REVISIONS

NO.	DATE	BUL. NO.	BY
5	5-27-70	B-98	A.M.
4	9-29-69	B-34	E.C.
3	9-29-69	B-31	E.C.
2	9-29-69	B-33	L.M.
1	9-29-69	B-19	E.C.
	9-29-69	B-18	E.C.
	9-29-69	B-26	E.C.
	9-29-69	B-13	E.C.
	8-1-68	B-6	E.M.
	5-1-68	B-1	J.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

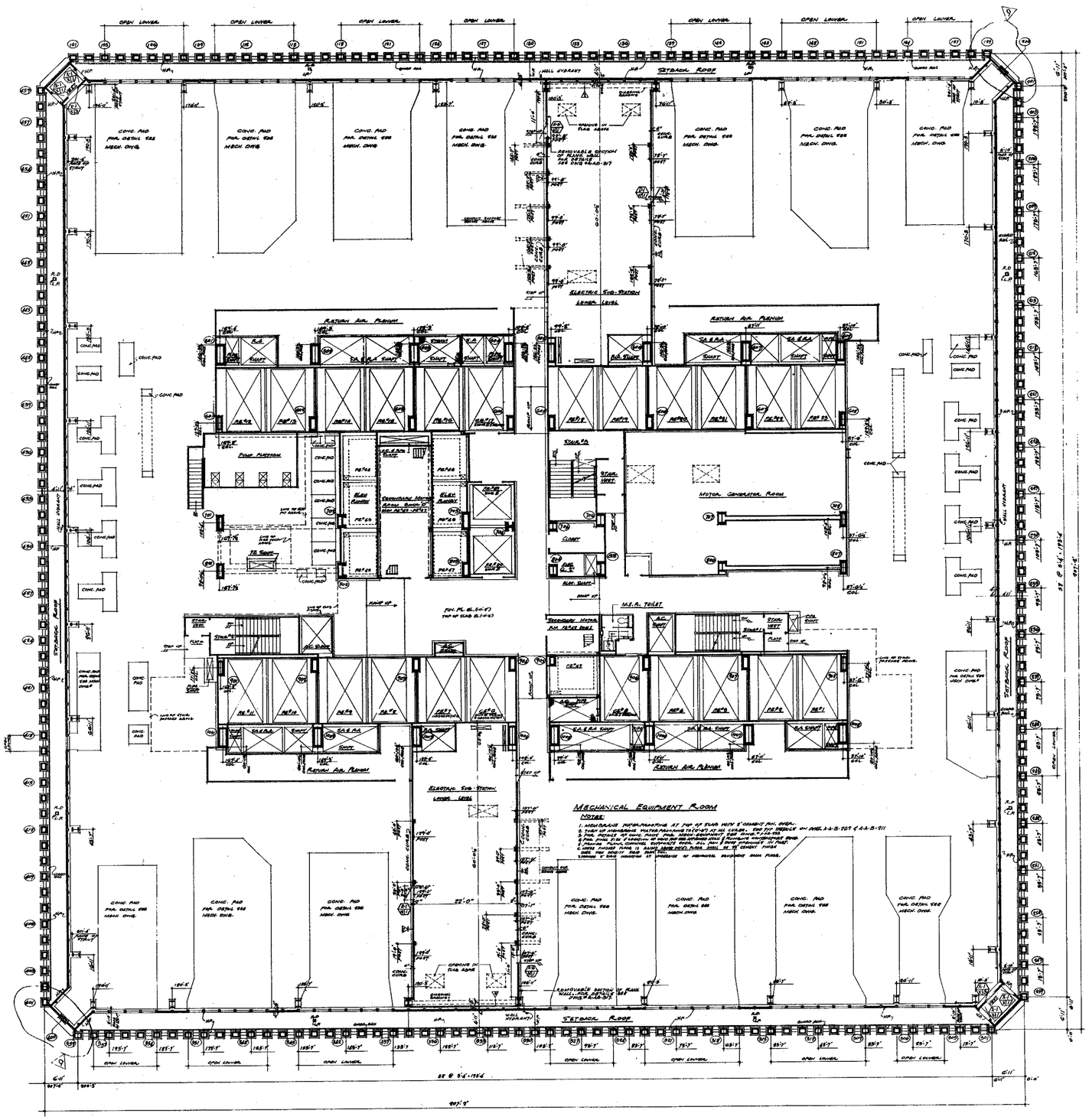
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 40TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·66		



NORTH

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES AND SCHEDULES OF DRAWINGS SEE DWG# A-B-1 TO A-B-6
2. FOR COMPLETE 1/4" SCALE CORE PLAN SEE DRAWING # A-B-10
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG#A-AB-204 & A-AB-205
6. FINISH FLOOR ELEVATION (+0'-0") TOP OF SLAB ELEVATION (-0'-8") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC; BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 6'-8" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. ELEVATION TO TOP OF CONCRETE CURBS TO BE (-0'-8") UNLESS OTHERWISE SHOWN OR NOTED.

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	REVISIONS BUL. NO.	BY
4	4-19-73	B 209	D.B
3	VOID	B-199	L.L.
2	5-22-70	B-168	A.M.
1	9-29-69	B-172	L.L.
5	9-29-69	B-179	L.L.
4	9-29-69	B-194	L.L.
3	9-29-69	B-193	L.L.
2	11-1-68	B-7	E.Z.
1	8-1-68	B-1	D.G.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4 8 16' 24

TITLE: 41ST FLOOR PLAN
LOWER MECH EQUIP RM LEVEL

DRAWN		CHECKED	
SCALE	1/8 : 1-0	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·69		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-6
2. FOR COMPLETE 5TH VILLE FLOOR PLAN SEE DWG# A-B-69
3. ALL ELEVATIONS GIVEN THUS (36'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-B-206 & A-B-208
6. FINISH FLOOR ELEVATION (101'-0") AND TOP OF SLAB ELEVATION (-6'-8") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN GLOSETS, STONE WASHROOMS ETC., BOTTOM ELEVATION OF ALL FURRING AND PARTITIONS TO BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANTS ARE REQUIRED ON BEAM PROJECTIONS OVER 4" IN MINIMUM (8" ACTUAL) DIMENSION, IN DIRECTION OF RUN, AND SHALL BE MINIMUM 10" FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-B-206 TO A-B-213.
10. ELEVATIONS TO TOP OF ALL CONCRETE SLABS TO BE (-6'-8") UNLESS OTHERWISE SHOWN OR NOTED.

SECTION (4/70) BANK "D"

MECHANICAL EQUIPMENT ROOM

NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEM. FIN. TO.
2. TURN UP MEMBRANE WATERPROOFING TO (-6'-8") AT ALL CURB. SEE TYPICAL DETAILS ON DWG. # A-B-B-209 & A-B-B-211
3. FOR DETAILS OF CONC. PAD FOR MECH. EQUIP. SEE DWG # A-AB-602
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE M.V.A.C. & PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE PLANE CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DETAILS DWG # A-AB-512
6. WHERE FINISHED FLOOR IS RAISED ABOVE (-6'-0"). FLOOR SHALL BE 2½" CEMENT FINISH OVER HIGH DENSITY RIGID FOAM FILL.
7. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

BULLETINS NOT DATED ARE IN THE PROPOSAL AT COMPLETION
CONTRACT BID - [illegible] Date 5-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-35	L.L.
2	5-27-70	B-38	A.M.
3	5-27-70	B-48	A.M.
4	9-29-69	B-34	E.C.
5	9-29-69	B-31	E.C.
6	9-29-69	B-18	L.L.
7	9-29-69	B-12	L.L.
8	7-29-69	B-19	L.L.
9	7-29-69	B-24	L.L.
10	7-29-69	B-13	L.L.
11	11-1-68	B-7	K.R.
12	8-1-68	B-6	K.R.
13	5-1-68	B-1	P.G.

REVISIONS

REGISTERED ARCHITECT — MICHAEL J. MESKAN — NO. 31178 — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

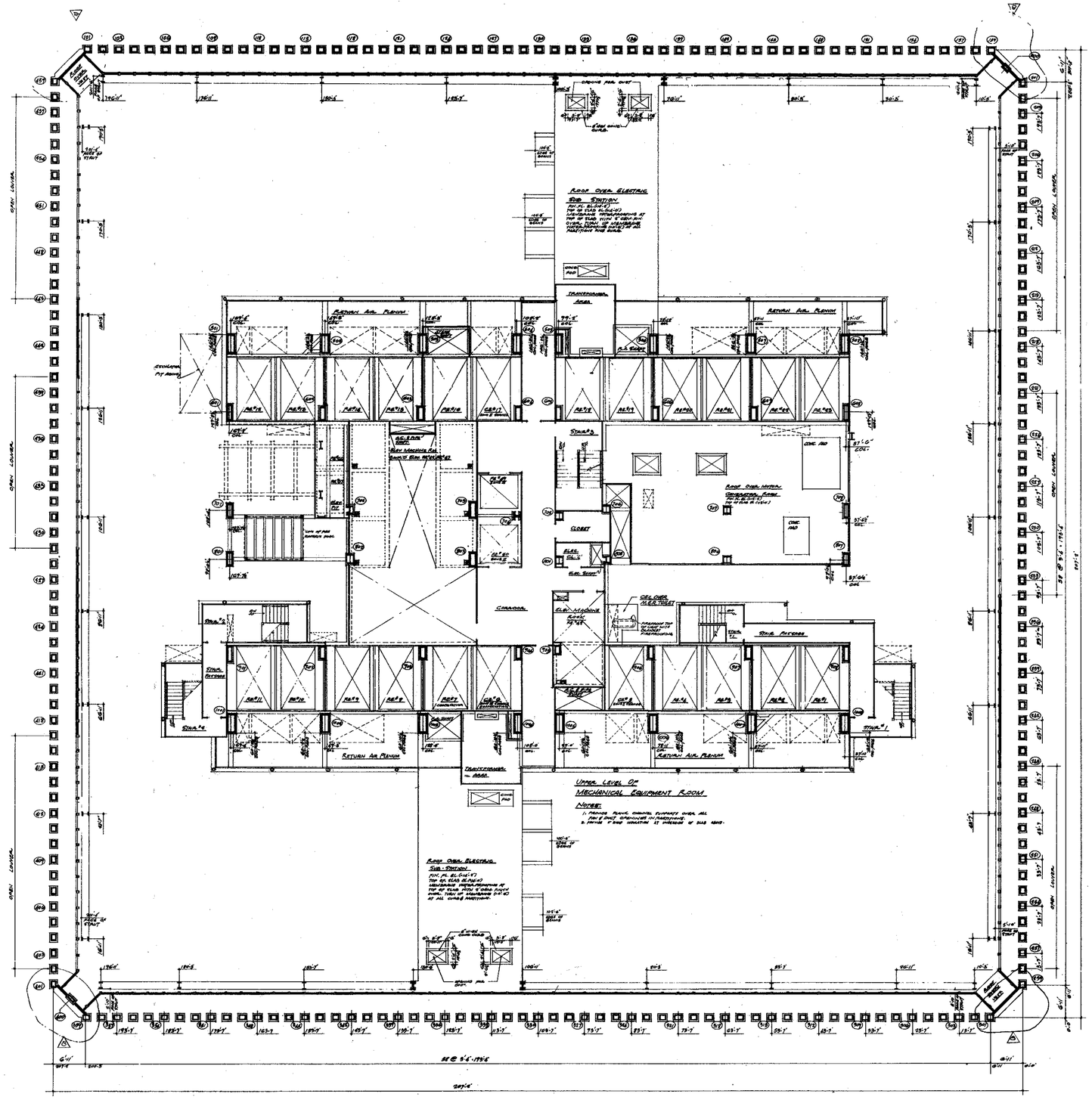
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

3/16"=1'-0" 0 1/4" 1' 3" 4' 8" 12'

TITLE: 41ST FLOOR CORE PLAN — LOWER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·70		



NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES AND SCHEDULES OF DRAWINGS SEE DWGS A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING A-B-78
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH 1ST FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-B-205 & A-B-206
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, SERVICE PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK TO BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOORS TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
4	6-12-78	B-209	DS
3	VOID	B-199	L.L.
2	9-29-69	B-19	L.L.
1	9-29-69	B-19	E.C.
2	7-29-69	B-26	E.C.
1	11-1-68	B-7	E.E.
2	8-1-68	B-6	R.H.
1	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0" (0, 5, 0, 5, 10, 15, 20 feet)

TITLE: 42ND FLOOR PLAN
UPPER MECH EQUIP RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·71		

NORTH

NOTE:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE & SYMBOLS OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-6.
2. FOR COMPLETE 78 TH FLOOR PLAN SEE DWG. # A-B-71
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISHED 41ST FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE KEYNOTED ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-B-204 & A-B-205
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, SHAFTS, PASSAGES, ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" NOMINAL (2" ACTUAL) DIMENSION, IN REMOVE SHAFTS & SHALL BE MINIMUM 3" FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITION DETAILS SEE DWG. A-A-B-306 TO A-A-B-312

ROOF OVER ELECTRIC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

ELEVATOR MACHINE ROOM

ROOF OVER MOTOR GENERATOR ROOM

ROOF OVER STAIR VEST

STAIR #2

STAIR #3

STAIR #4

STAIR PASSAGE

CORRIDOR

JAN CL.

CLOSET

ELEV. MACH. RM.

ELEC. SHAFT

A.C. PIPE SHAFT

SERVICE ROOM

F.E. #12 F.E. #13 F.E. #14 F.E. #15 F.E. #16 C.E. #17 F.E. #18 F.E. #19 F.E. #20 F.E. #21 F.E. #22 F.E. #23

F.E. #11 F.E. #10 F.E. #9 F.E. #8 F.E. #7 C.E. #6 C.E. #5 F.E. #4 F.E. #3 F.E. #2 F.E. #1

F.E. #47 F.E. #50 F.E. #48

SECTION A/78 THRU F.E. #48

UPPER LEVEL OF MECHANICAL EQUIPMENT ROOM

NOTES:
1. PROVIDE PLANK, CHANNEL SUPPORTS OVER ALL PAN & JOIST OPENINGS IN PARTITIONS. SEE DETAILS DWG # A-A-B-9.2
2. PROVIDE 2" RISER NARROWING AT UNDERSIDE OF SLAB ABOVE.

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING - date 8-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-71	B-65	L.J.
2	9-22-70	B-48	A.L.
3	9-29-69	B-18	E.C.
4	9-29-69	B-17	E.C.
5	9-29-69	B-14	E.C.
6	9-29-69	B-26	E.C.
7	9-29-69	B-13	E.C.
8	11-1-68	B-7	K.E.
9	8-1-68	B-6	K.H.
10	6-1-68	BS-1	P.G.
11	98-75	8-699	WH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 017-19

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

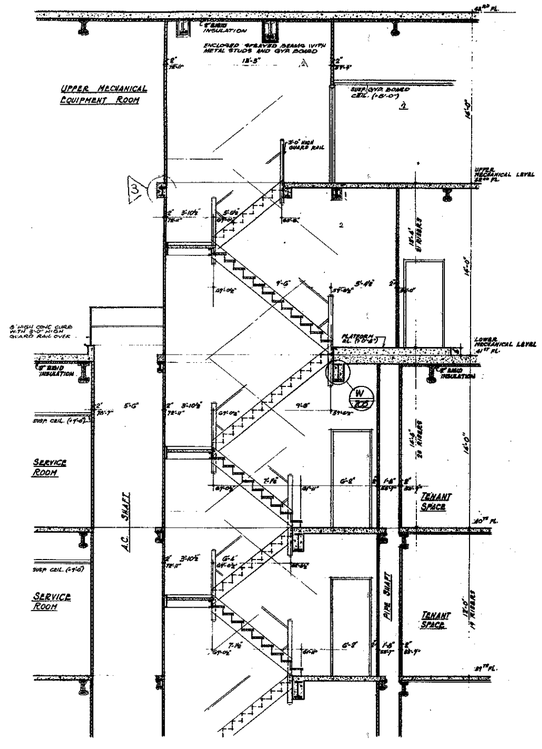
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

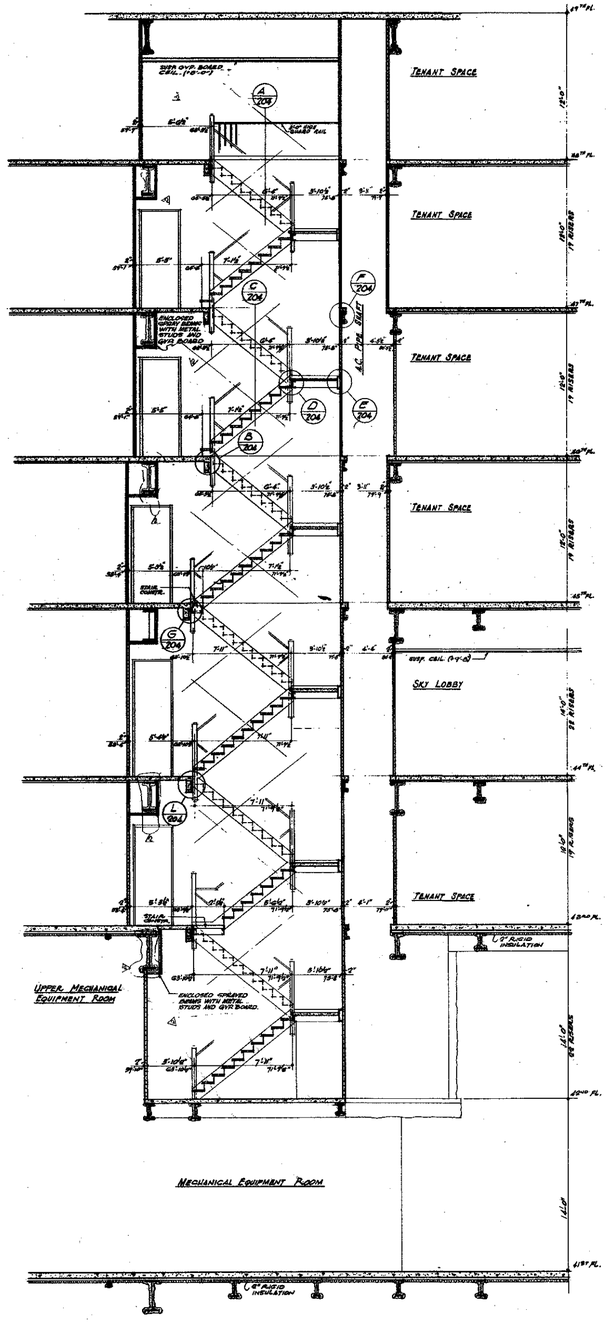
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 42ND FLOOR CORE PLAN
UPPER MECH EQUIP RM LEVEL

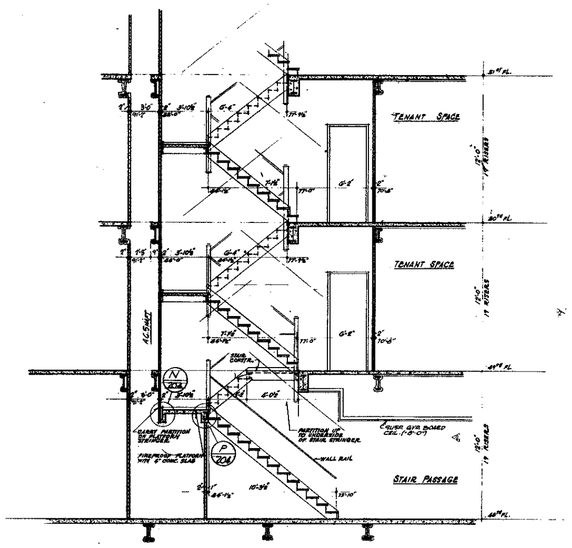
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·72		



SECTION (B/73) THRU STAIR #1



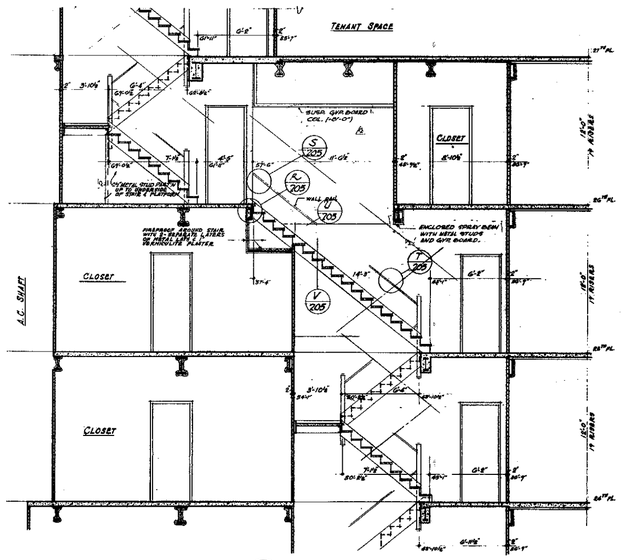
SECTION (C/73) THRU STAIR #1



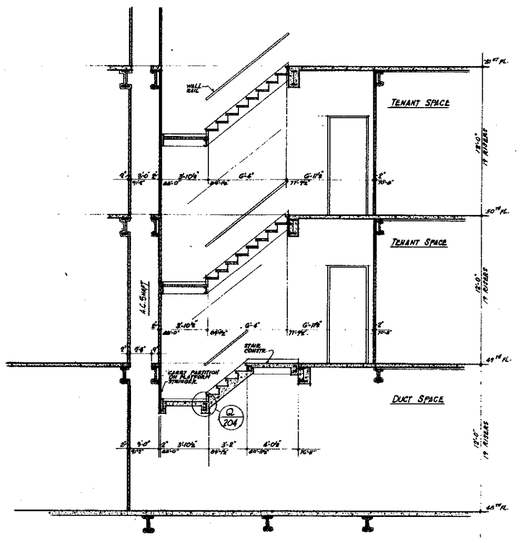
SECTION (D/73) THRU STAIR #1

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-1-1 TO A-1-6
2. ALL ELEVATIONS GIVEN THUS (10'0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWG # A-1-201A AND A-1-201B
4. WHERE NO DIMENSIONS ORIENTED ORIENTED ARE CALLED FOR, SUCH AS IN DUCTS, STAIR, PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-1-201A TO A-1-201-B.



SECTION (A/73) THRU STAIR #1



SECTION (E/73) THRU STAIR #1

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
3	9-27-69	B-18	E.C.
2	9-24-69	B-17	E.C.
1	5-1-68	B-6	E.T.R.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 22,224

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

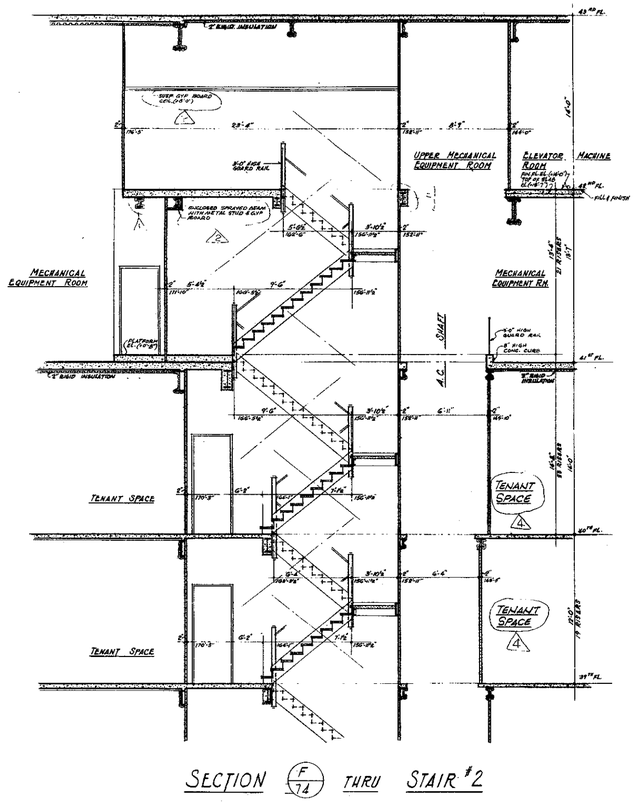
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

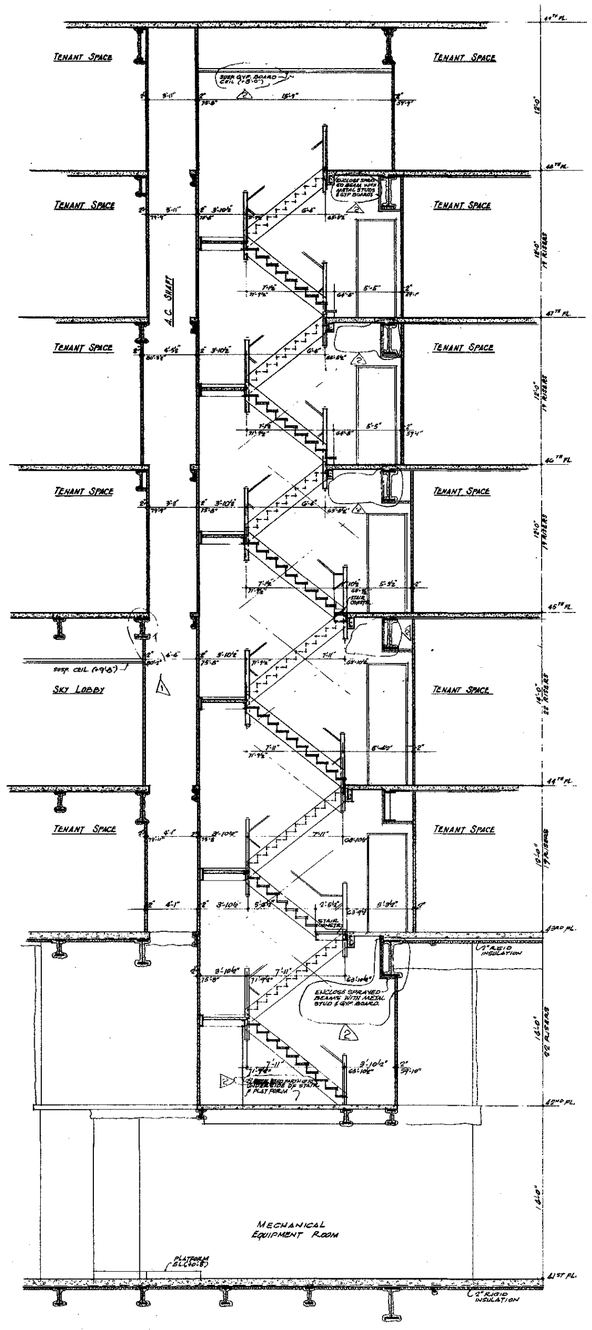
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: STAIR SECTIONS
STAIR #1

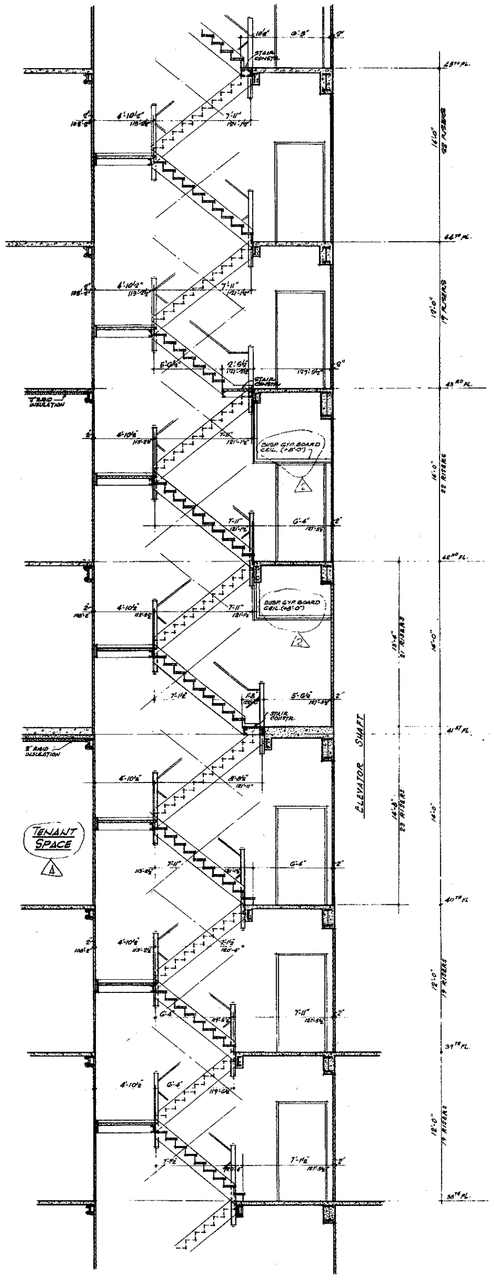
DRAWN		CHECKED	
SCALE	1/4"=1'0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-73		



SECTION (F/74) THRU STAIR #2



SECTION (G/74) THRU STAIR #2



SECTION (H/74) THRU STAIR #3

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0-1 TO A-0-6
2. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR
3. FOR TYPICAL STAIR DETAILS SEE DWG #A-16-204 AND A-16-205
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL TRUSS AND SECTIONAL SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO ALLOWS FOR SUITABLE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
5. CARE ARE REQUIRED ON ALL BRAKE PROJECTIONS OVER 2" NOMINAL (ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE CLEAR THEREFROM HORIZONTAL SEE TYPICAL DETAILS
6. FOR TYPICAL PARTITION DETAILS SEE DWGS. A-A8-206 TO A-A8-212

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
3	7-29-68	B-34	E.C.
2	7-29-69	B-13	E.C.
1	7-29-69	B-12	E.C.
A	8-1-68	B-6	R.T.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT CHECKED FOR FILING NO. 017-7 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

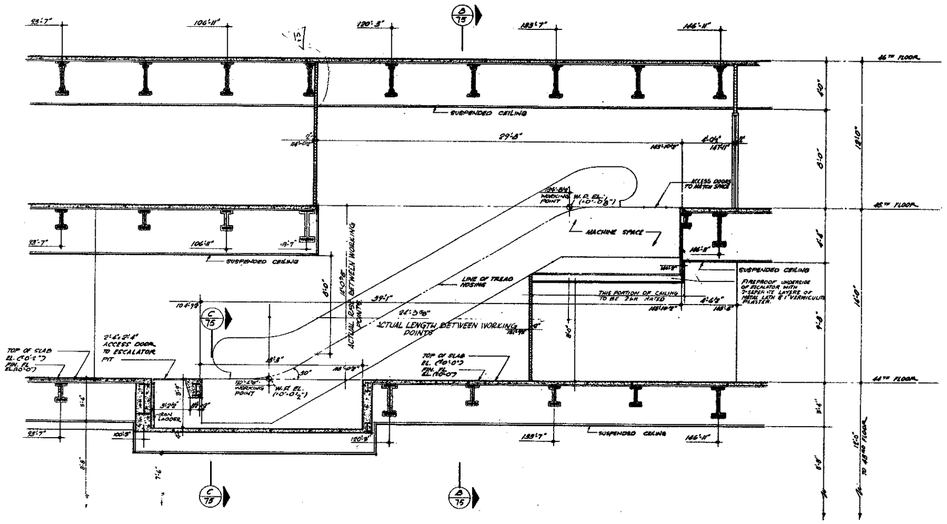
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

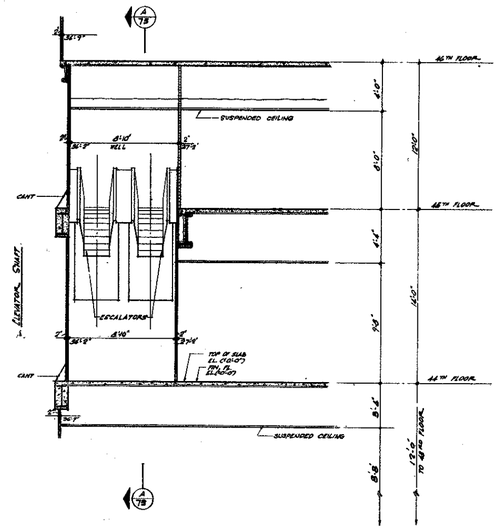
TITLE: STAIR SECTIONS STAIRS #2 & #3

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-68
PROJECT NUMBER		SHEET	OF

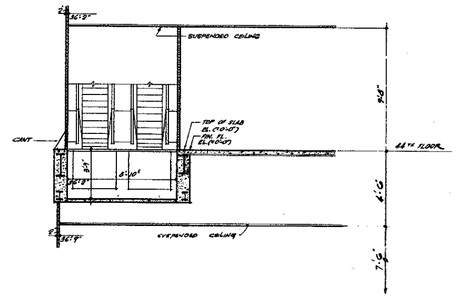
DRAWING NUMBER: A·B·74



SECTION (A/75) THRU ESCALATORS B-5 & B-6



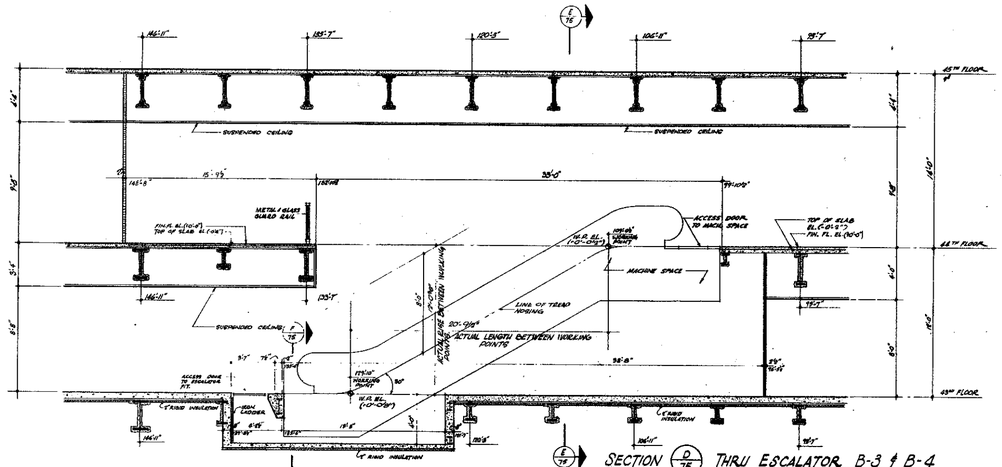
SECTION (D/75)



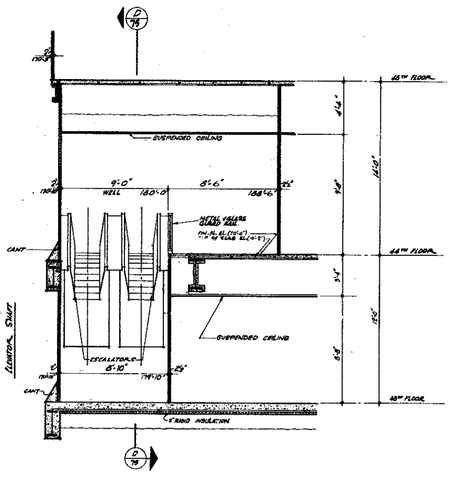
SECTION (C/75)

NOTES:

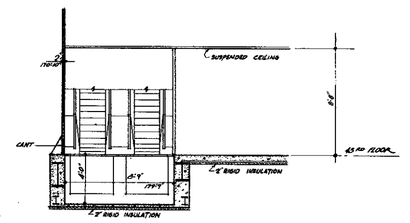
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-0.1 TO A-0.4
2. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR MECHANICAL AND ELECTRICAL LAYOUT, SEE ELECTIVE SUBSIDIARY DRAWINGS.
4. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
5. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG. A-B.25A
7. CANTS ARE RECORDED ON ALL BEAM PROJECTIONS OVER 2" (NOMINAL) (2-1/2" ACTUAL) DIMENSIONS IN ELEVATOR SHAFTS ARE GIVEN AT 90° FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR ESCALATOR DETAILS, DIMENSIONS AND ADDITIONAL SECTIONS SEE DRAWING # A-B.25A.
9. FOR TYPICAL PARTITION DETAILS, SEE DRAWINGS A-B.20A TO A-B.21B



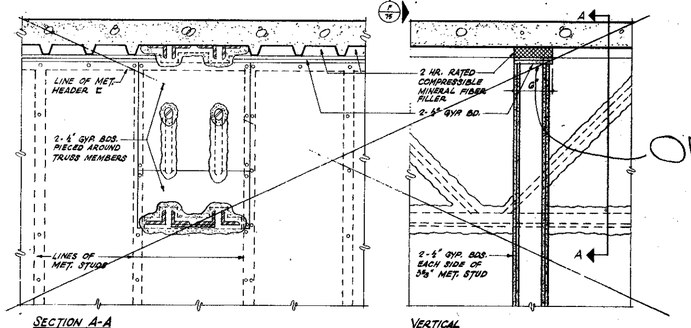
SECTION (F/75) THRU ESCALATOR B-3 & B-4



SECTION (E/75)

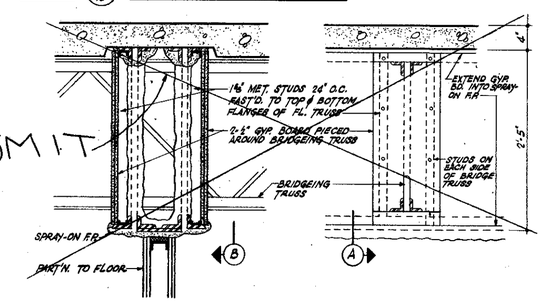


SECTION (F/75)



SECTION A-A
SCALE: 1½" = 1'-0"

VERTICAL



TYPICAL TRUSS SECTION A

BRIDGEING TRUSS SECTION B

DETAILS (G/56) OF TWO HOUR PARTITION AT TRUSS PENETRATION

COMIT

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY
1	9-10-74	B-276	L.J.
2	1-22-76	B-286	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
3	3-19-74	B-267	AB
3	3-8-73	B-187	L.J.
3	3-2-72	B-168	L.C.
3	12-15-71	B-150	W.L.
3	6-28-71	B-116	D.T.
3	7-21-69	B-13	E.C.
3	9-29-69	B-19	E.C.
3	1-1-68	B-7	R.R.
3	8-1-68	B-5	R.T.A.
3	6-1-68	B-1	CAG.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 027,777

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

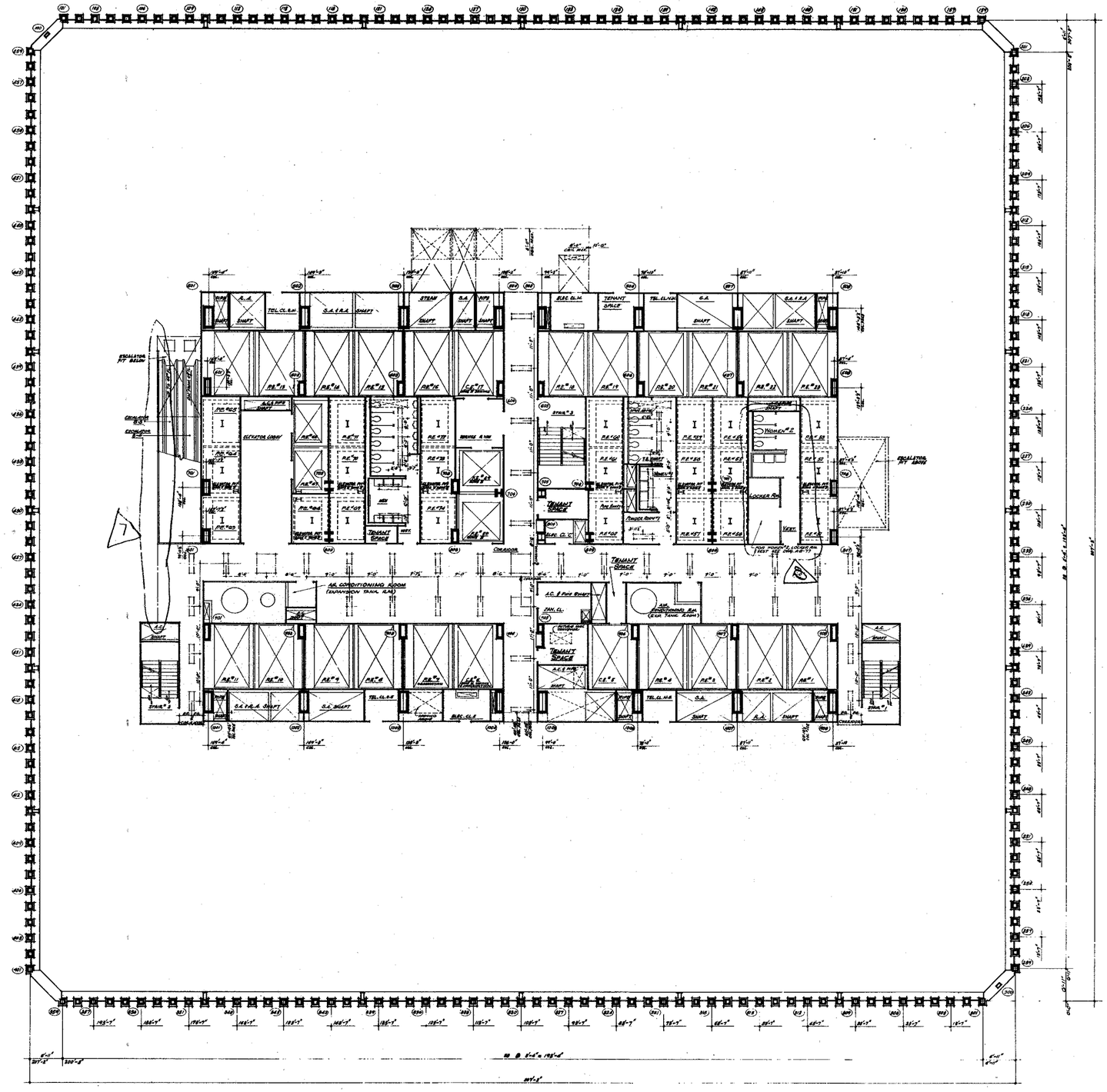
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ESCALATOR SECTIONS
ESCALATORS 3-3, 3-4, 3-5 & 3-6

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-75		

3/32" 1/16" 1" 2" 3" 4" 8" 12"


AIR CONDITIONING ROOM (EXPANSION TANK R.M.)
TENANT SPACE
ESCALATOR PIT BELOW
ELEVATOR LOBBY
CORRIDOR 83
CORRIDOR 82
LOCKER RM.
TOILET
WOMEN'S
MEN'S
ESCALATOR PIT ABOVE
A.C. SHAFT
STAIR # 3
STAIR # 1
CHECKERS
TEL. CL. E.M.
TEL. CL. H.E.
TEL. CL. N.E.
TEL. CL. N.W.
TEL. CL. S.E.
TEL. CL. S.W.
G.A. SHAFT
STEAM SHAFT
SPRINK. R.M.
ELEC. CL. E.
ELEC. CL. W.
ELEC. CL. S.
ELEC. CL. N.
SERVICE ELEV.
FREIGHT ELEV.
PASS. ELEV.
TOP HOUSE SEE DWG. A-B-77
R.E. 1
R.E. 2
R.E. 3
R.E. 4
R.E. 5
R.E. 6
R.E. 7
R.E. 8
R.E. 9
R.E. 10
R.E. 11
R.E. 12
R.E. 13
R.E. 14
R.E. 15
R.E. 16
R.E. 17
R.E. 18
R.E. 19
R.E. 20
R.E.

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0-1 TO A-0-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING #A-1-76
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG #A-16-204 & A-16-206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PLANTER PAN DEPRESSED IN MEN AND WOMENS TOILETS, ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING SEE TYPICAL TOILET DETAILS DWG #A-16-214.
9. HANDLE TO EXPOSED CISTERN AND CALLED FOR, DOOR IS IN CLOSETS, STAIR, PARKSIDE RTE., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———
11. CANT ARMS REQUIRED ON BEAM PROJECTIONS OVER 9" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM FACE OF COL. SEE TYPICAL DETAILS
12. FOR TYPICAL PARTITION DETAILS SEE DRAWING #A-16-204 TO A-16-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 3-1-68

NO.	DATE	SUB. NO.	BY
		9	9-29-67 B-31 E.C.
		9	9-29-67 B-34 E.C.
		9	7-19-68 B-55 L.J.
1	1-22-76	B-246	L.J.
2	6-26-73	B-256	L.J.
3	7-5-73	B-187	L.J.
4	5-7-71	B-164	L.C.
5	5-3-71	B-168	L.C.
6	1-29-71	B-88	L.J.
7	5-22-70	B-48	A.M.

REVISIONS

NO.	DATE	SUB. NO.	BY
8	7-19-68	B-12	W.M.
9	7-29-68	B-15	W.M.
9	7-29-68	B-28	W.M.
9	7-29-68	B-15	W.M.
10	11-1-68	B-7	R.R.
11	8-1-68	B-6	R.R.
12	5-1-68	B-1	P.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

1/16"=1'-0" 0 1 2 3 4' 8' 12

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

STRUCTURAL ENGINEERS
WORTHINGTON, SKILLING, HELLE & JACKSON

ELECTRICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES

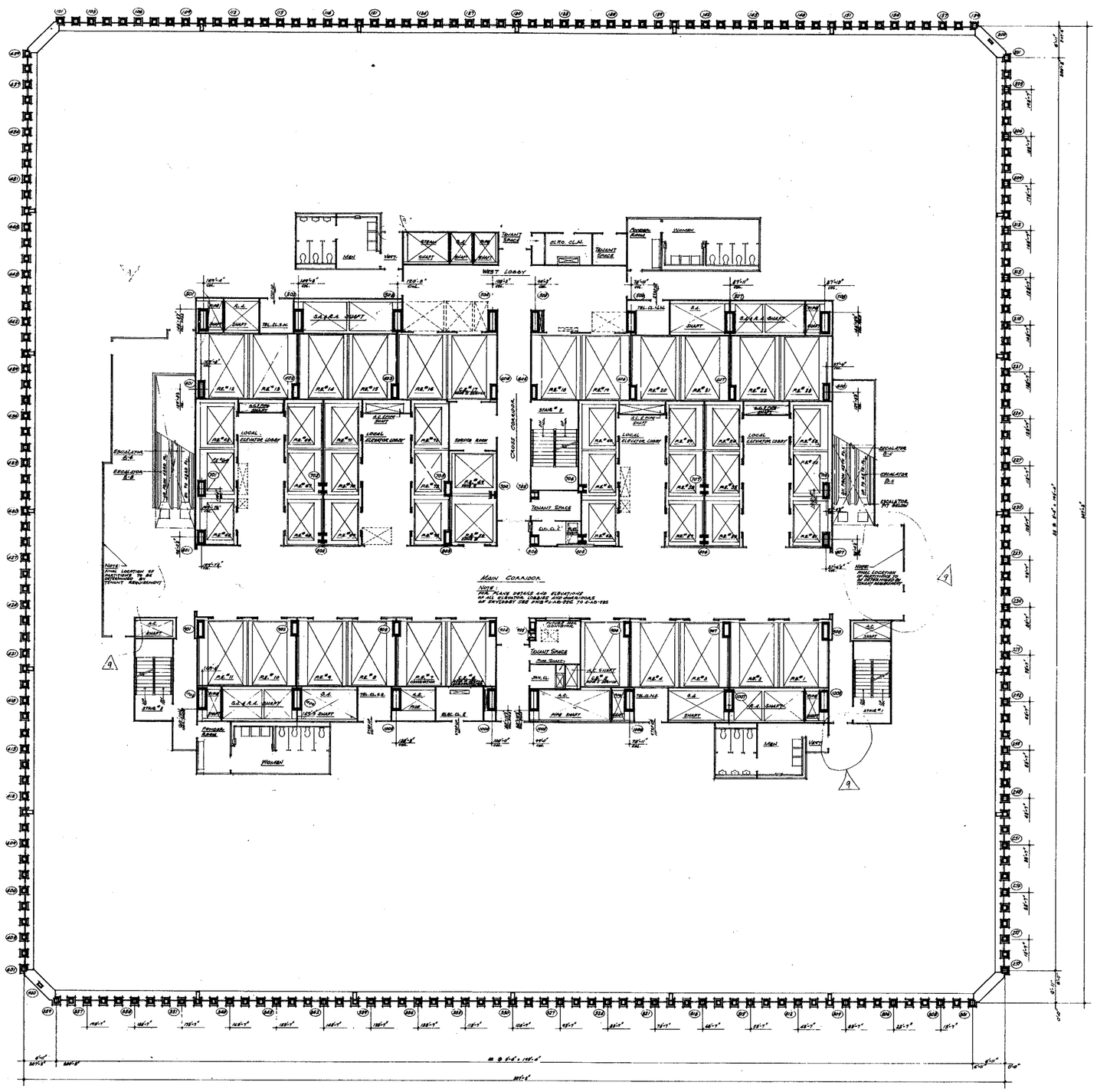
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

MECHANICAL ENGINEERS
JAROS, BAUM & BOLLES

PAVING, UTILITIES, FOUNDATIONS
THE PORT OF NEW YORK AUTHORITY

TITLE: 43RD FLOOR CORE PLAN
LOWER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·77		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS P-A.B-1 TO P-A.B-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING P-A.B-29.
3. ALL ELEVATIONS GIVEN THUS (+ 01-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 3'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10-0) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 01-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

1/8" = 1'-0" 0 4 8' 16' 24

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	SUB. NO.	BY
		B-1RR	L.J.
5	5-3-70	B-1C.5	L.C.
4	6-26-71	B-1R	D.T.
3	11-24-70	B-1A	L.J.
2	9-27-69	B-3A	E.C.
1	7-29-69	B-2R	L.J.
	9-29-69	B-1R	E.C.
	11-1-68	B-1	E.R.
	5-1-68	B-1	DS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 30,767

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 44TH FLOOR PLAN
SKY LOBBY

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·78		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FLOOR FINISHES, DOOR SCHEDULE AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.0-1 TO A-0.0-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING PA-0-78
3. ALL ELEVATIONS GIVEN THUS (0.0'-0") ARE IN RELATION TO FINISHED FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE BUILDINGS DRAWINGS.
5. FOR TYPICAL STAIR DETAIL SEE DWGS. A-10-306 & A-10-305
6. ALL TRENCH HEADERS TO BE FIRE-PROOFED ON LOWER SIDE OF SLAB FOR 1 WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIRE-PROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIRE-PROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMBING RISER DIAGRAMS IN MEN AND WOMENS TOILETS ONLY INDICATES ALL PLUMBING FIXTURES AND PIPING WHICH ARE SUPPORTED CEILINGS AND ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. CONCRETE ARC REQUIRED IN MEN AND WOMENS TOILETS ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSERS FAUCETS TO BE LOCATED IN ACCORDANCE WITH THE COUNTERS. SEE TYPICAL TOILET DETAILS ONLY. THIS IS TO BE MADE AT SHOPDRAWING STAGE.
10. ALL OPENINGS IN CONCRETE FOR PIPES, DUCTS, ETC. SHALL BE CAREFULLY LOCATED AND PROPERLY FRAMED AND REINFORCED AS DIRECTED BY THE ARCHITECT OR ENGINEER.
11. FOR TYPICAL PARTITION DETAILS SEE DWGS. A-10-306, A-10-304 & A-10-303

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 3-1-68			
		5-22-70	B-48	AM	
B-24-78	B-136	LJ	7-27-69	B-34	E.C.
	B-169	LJ	7-27-69	B-31	E.C.
5-5-71	B-165	LC	7-27-69	B-33	LJ.
2-2-72	B-144	LC	7-27-69	B-18	E.C.
8-15-71	B-161	DT	7-27-69	B-12	E.C.
1-29-71	B-86	LJ	7-27-69	B-13	E.C.
11-24-70	B-65	LJ	11-1-68	B-7	RR
11-24-70	B-76	LJ	5-1-68	B-6	RTR
11-24-70	B-72	LJ	5-1-68	B-1	DG

NO. DATE SUB. NO. BY — REVISIONS (×2)

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD YAMASAKI — NO. 7772 — THE STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

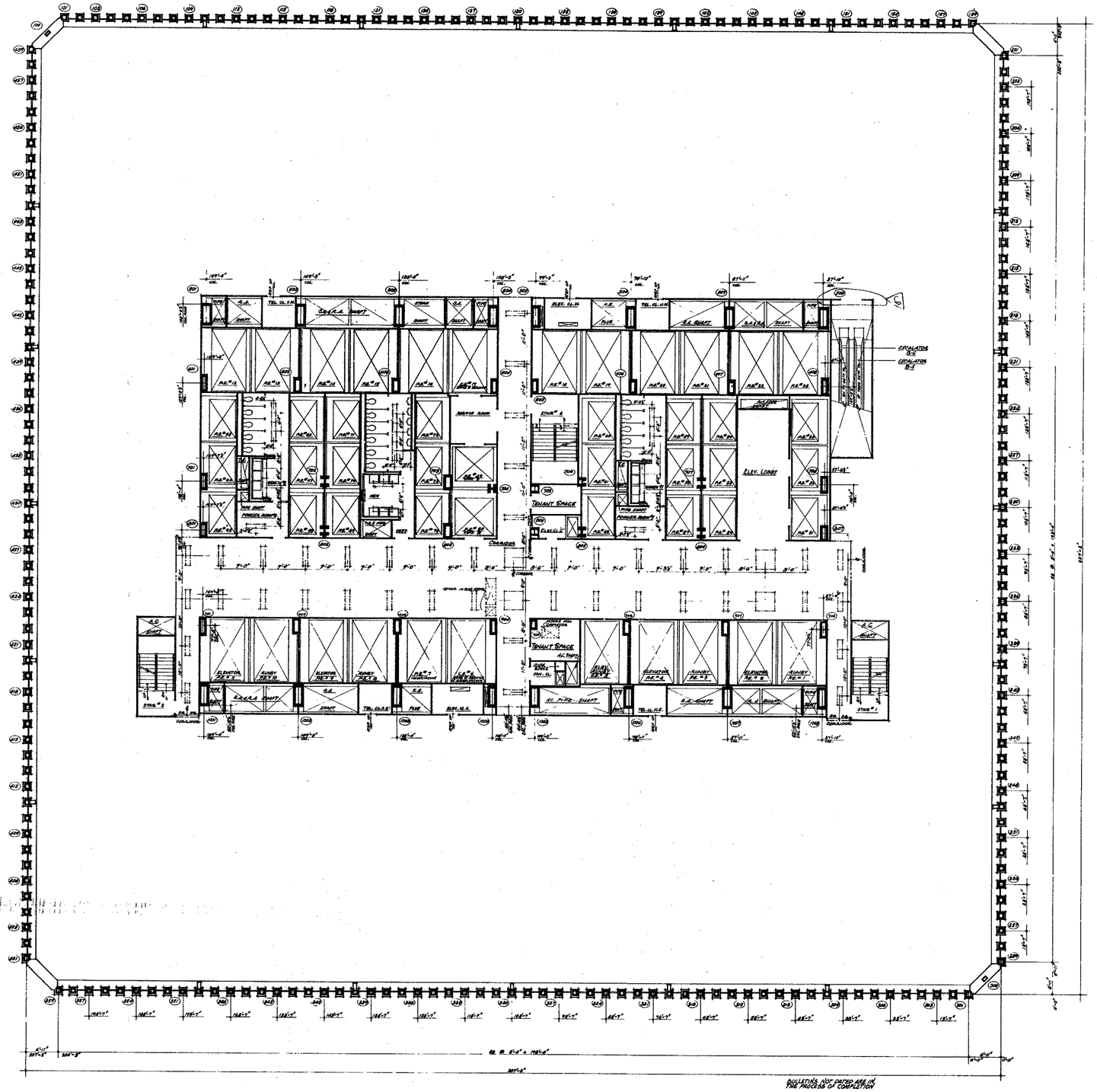
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 44TH FLOOR CORE PLAN — SKYLOBBY

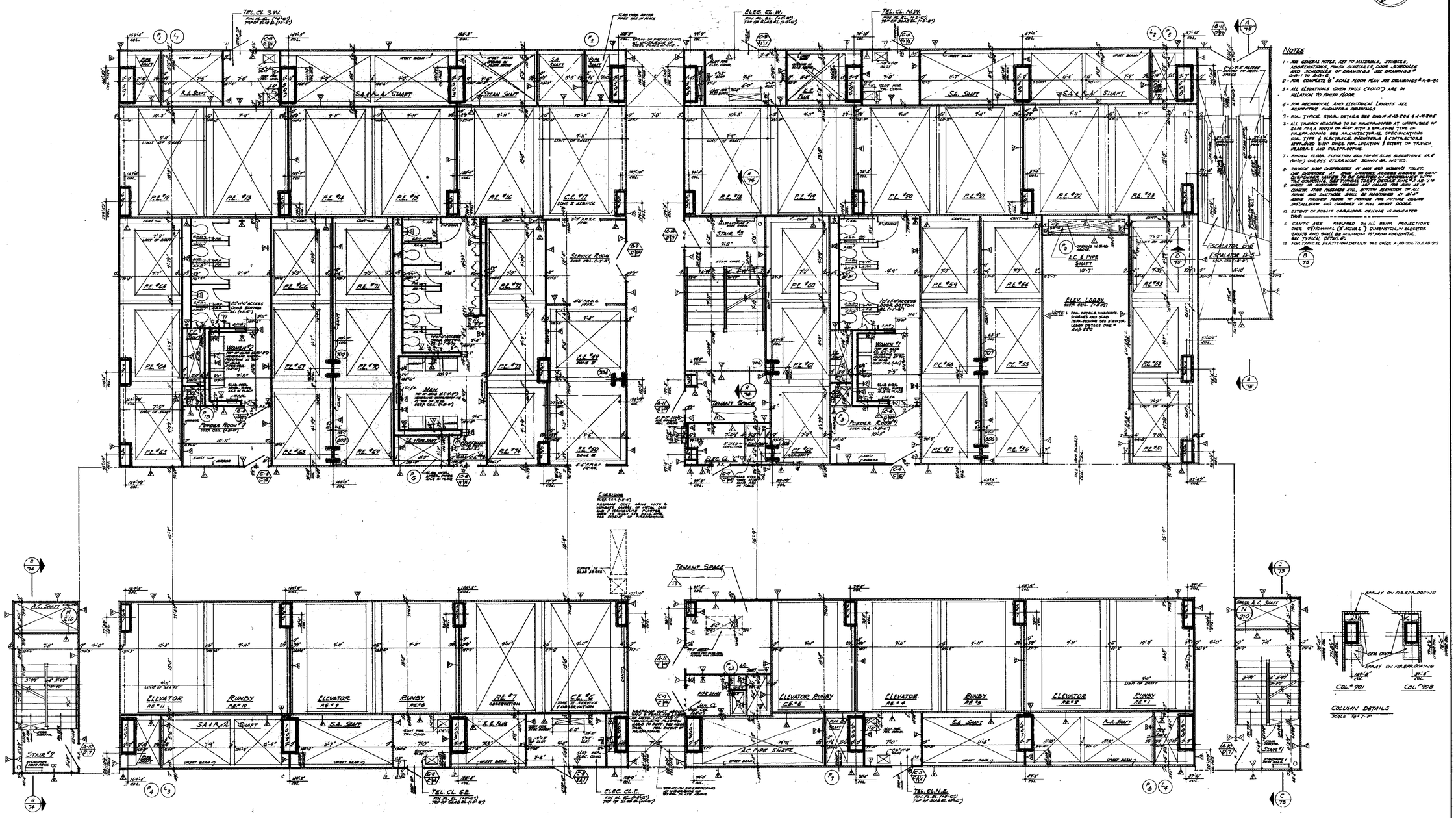
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·79		


TENANT SPACE
ELEV. LOBBY
TENANT SPACE
CIRCULATION RS
CIRCULATION RS
TEL. EQ. RM.
ELEC. EQ.
MEN
WOMEN
STAIR #1
STAIR #2
STAIR #3
STAIR #4
ELEVATOR NO. 1
ELEVATOR NO. 2
ELEVATOR NO. 3
ELEVATOR NO. 4
ELEVATOR NO. 5
ELEVATOR NO. 6
ELEVATOR NO. 7
ELEVATOR NO. 8
SERVICE ROOM
SERVICE ROOM
SERVICE ROOM

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS # A-B-1 TO A-B-6.
2. FOR COMPLETE 8'-0" SCALE FLOOR PLAN SEE DRAWINGS # A-B-80
3. ALL ELEVATIONS GIVEN THUS (+10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-AB-204 & A-AB-206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS / CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SUMP DEPRESSED IN MEN AND WOMEN'S TOILET. ONE DEPRESSED AT EACH LAVATORY. ACCESS DOORS TO SUMP DRAINER WATER TO BE LOCATED IN ACCORDANCE WITH TILE CONTROL SET TYPICAL TOILET DETAILS DWG # A-AB-216
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, ETHIC PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - - - -
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DWGS. A-AB-300 TO A-AB-312



BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT	BID	DRAWING	date	B-AB	
		△	5-22-70	B-AB	A.M.
		△	9-27-67	B-24	E.C.
		△	7-27-67	B-31	E.C.
△ 5-26-75	B-238	L.J.	△ 7-27-67	B-25	E.C.
△ 5-5-75	B-187	D.S.	△ 3-24-66	D-19	E.C.
△ 12-13-74	B-200	M.L.	△ 9-29-66	B-18	E.C.
△ 8-30-71	B-118	D.T.	△ 9-29-67	B-19	E.C.
△ 1-29-71	B-88	L.J.	△ 7-27-67	B-15	E.C.
△ 11-26-70	B-79	L.J.	△ 11-1-68	B-7	F.E.
△ 11-26-70	B-76	L.J.	△ 6-1-68	B-6	F.E.
NO. DATE	SUB. NO.	BY	NO. DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK — No. 031797

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

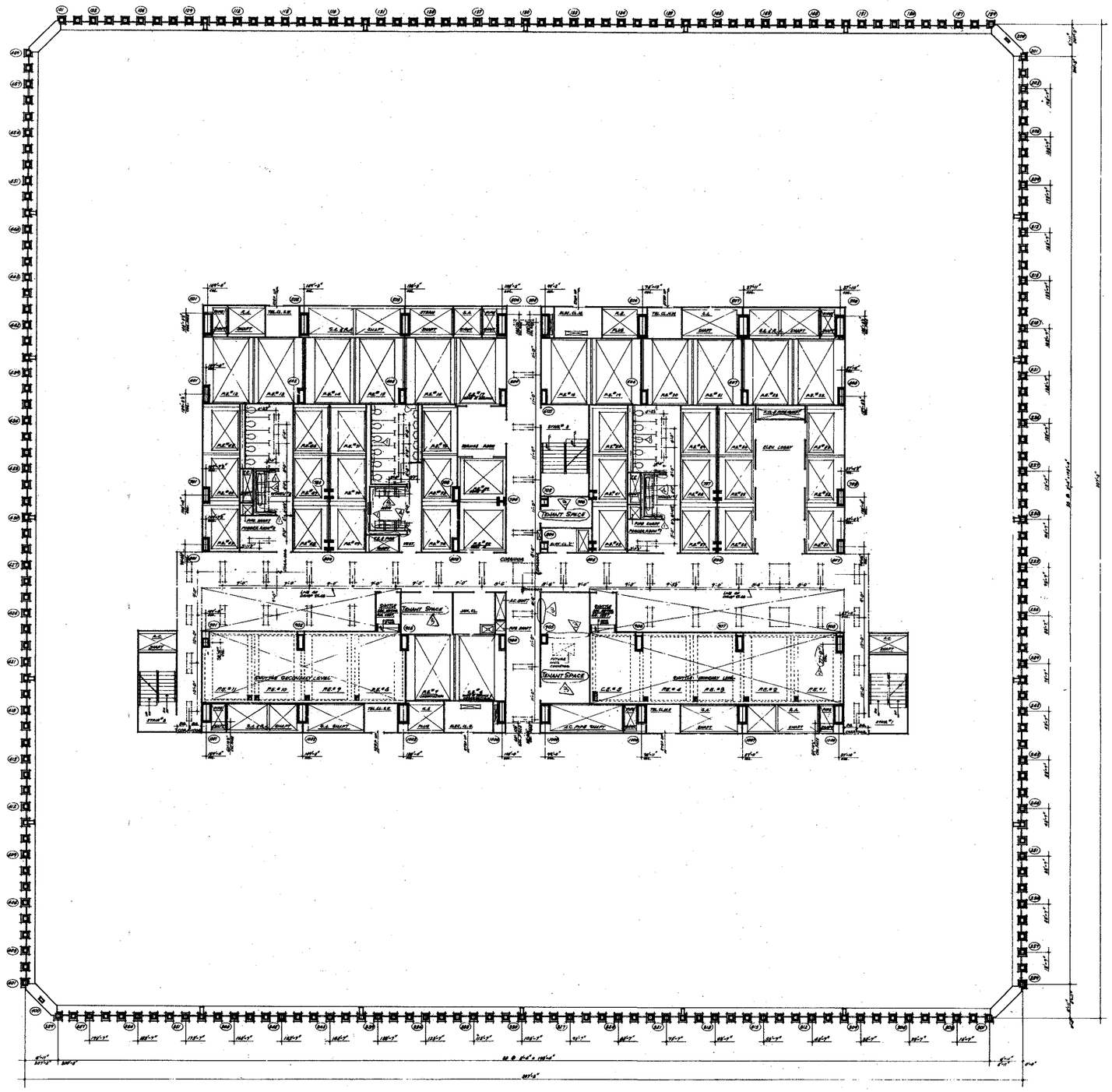
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

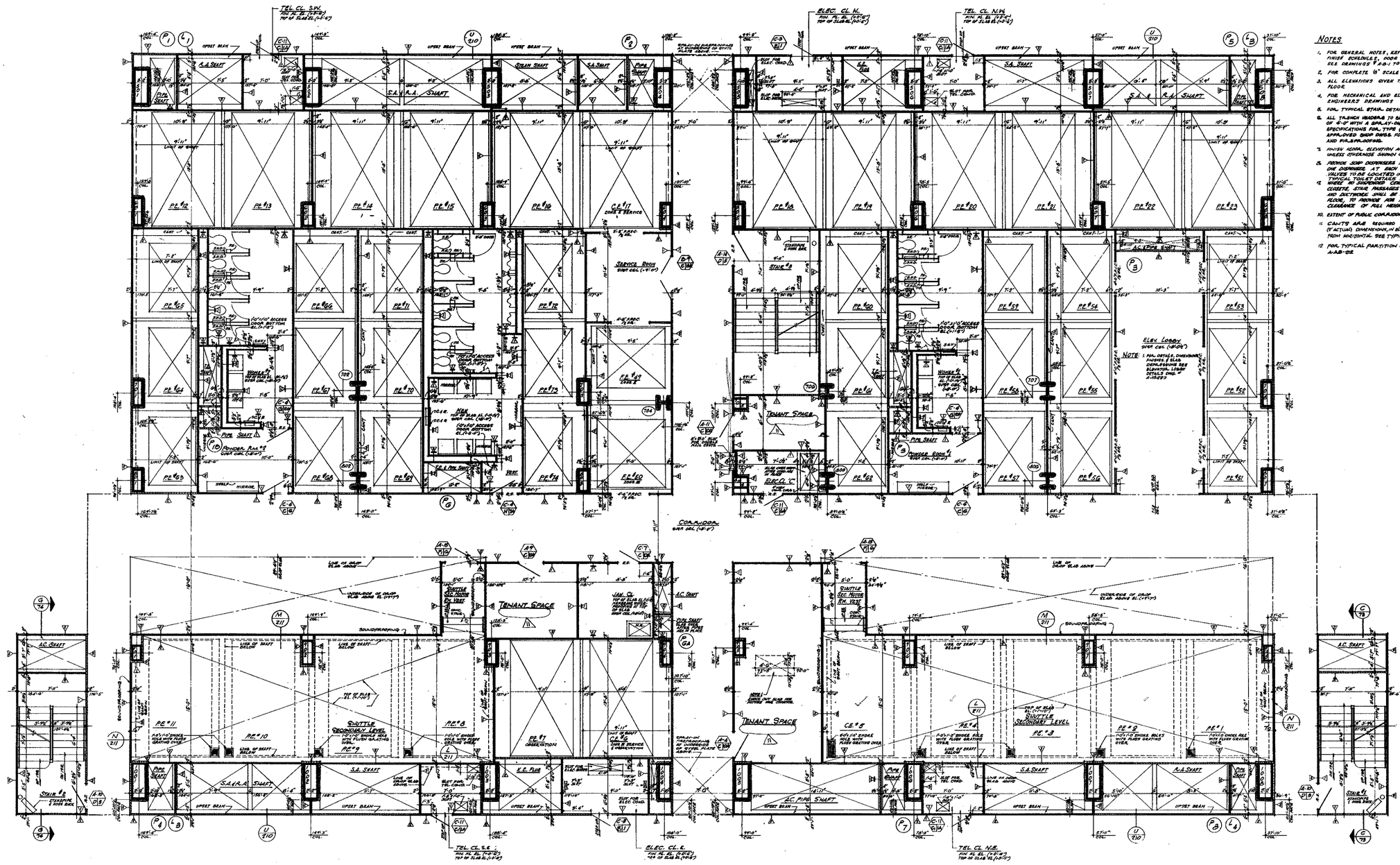
1/4"=1'-0" 0 1' 2' 3' 4' 8' 16'

TITLE: 45TH FLOOR CORE PLAN

UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-81		


TENANT SPACE
TENANT SPACE
TENANT SPACE
ROUTING SECONDARY LEVEL
ROUTING GROUND LEVEL
CORRIDOR
CLEAR CORRIDOR
ELEV. LOBBY
TO 2 PARKING LEVELS
TO CLASS
TO CLASS
TO CLAS



CONTRACT BID DRAWING date 5-1-68

NO.	DATE	SUB. NO.	BY
13	11-26-70	B-78	L.W.
12	5-22-70	B-48	A.W.
11	7-27-69	B-36	E.C.
10	9-29-69	B-31	E.C.
9	9-29-69	B-25	L.W.
8	9-24-69	B-25	D.G.
7	9-24-69	B-15	D.G.
6	9-24-69	B-12	D.G.
5	9-24-69	B-13	D.G.
4	5-1-68	B-0	R.T.R.
3	4-26-68	B-58	L.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 17,... STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

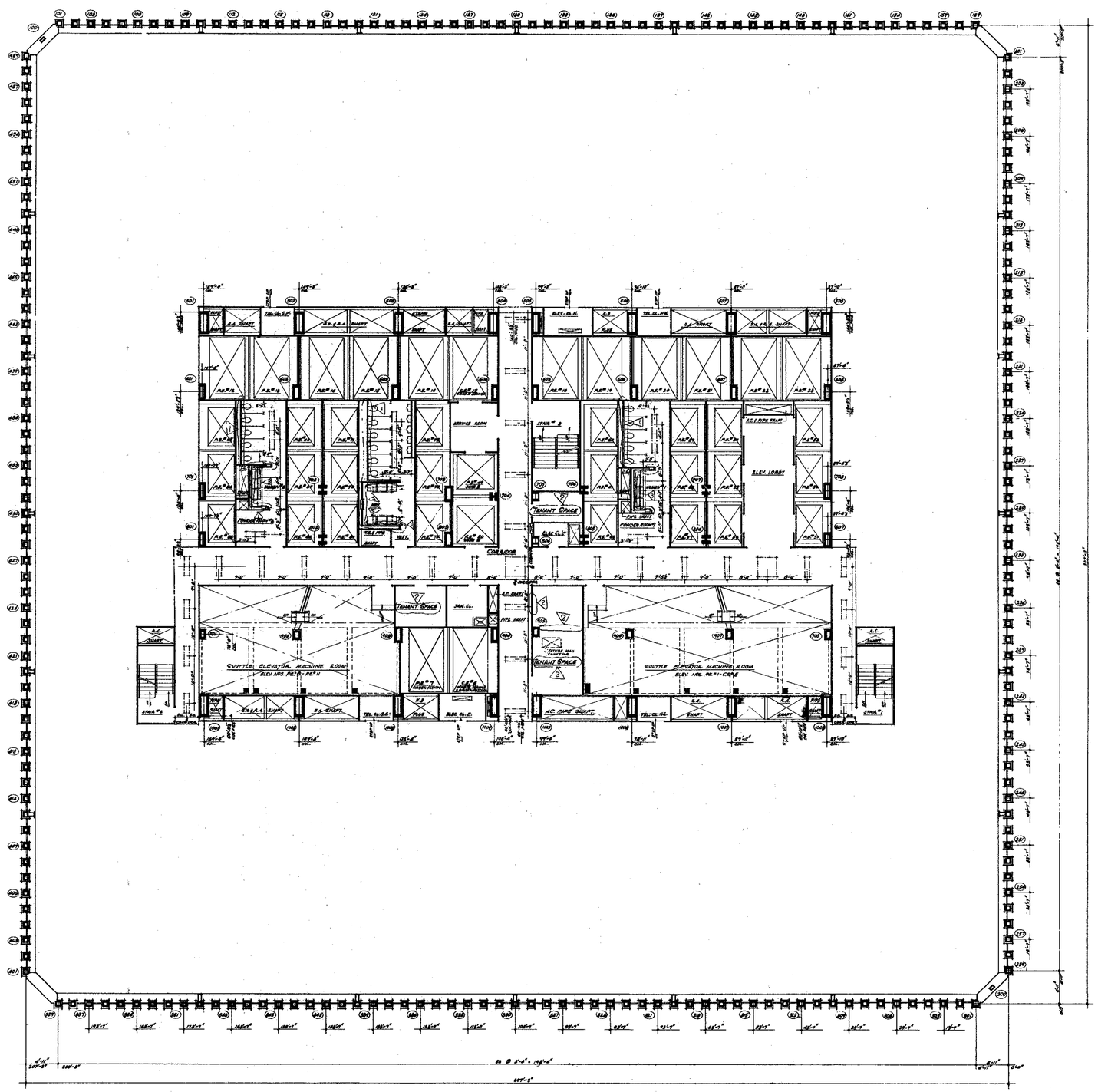
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 46TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-83		



NORTH

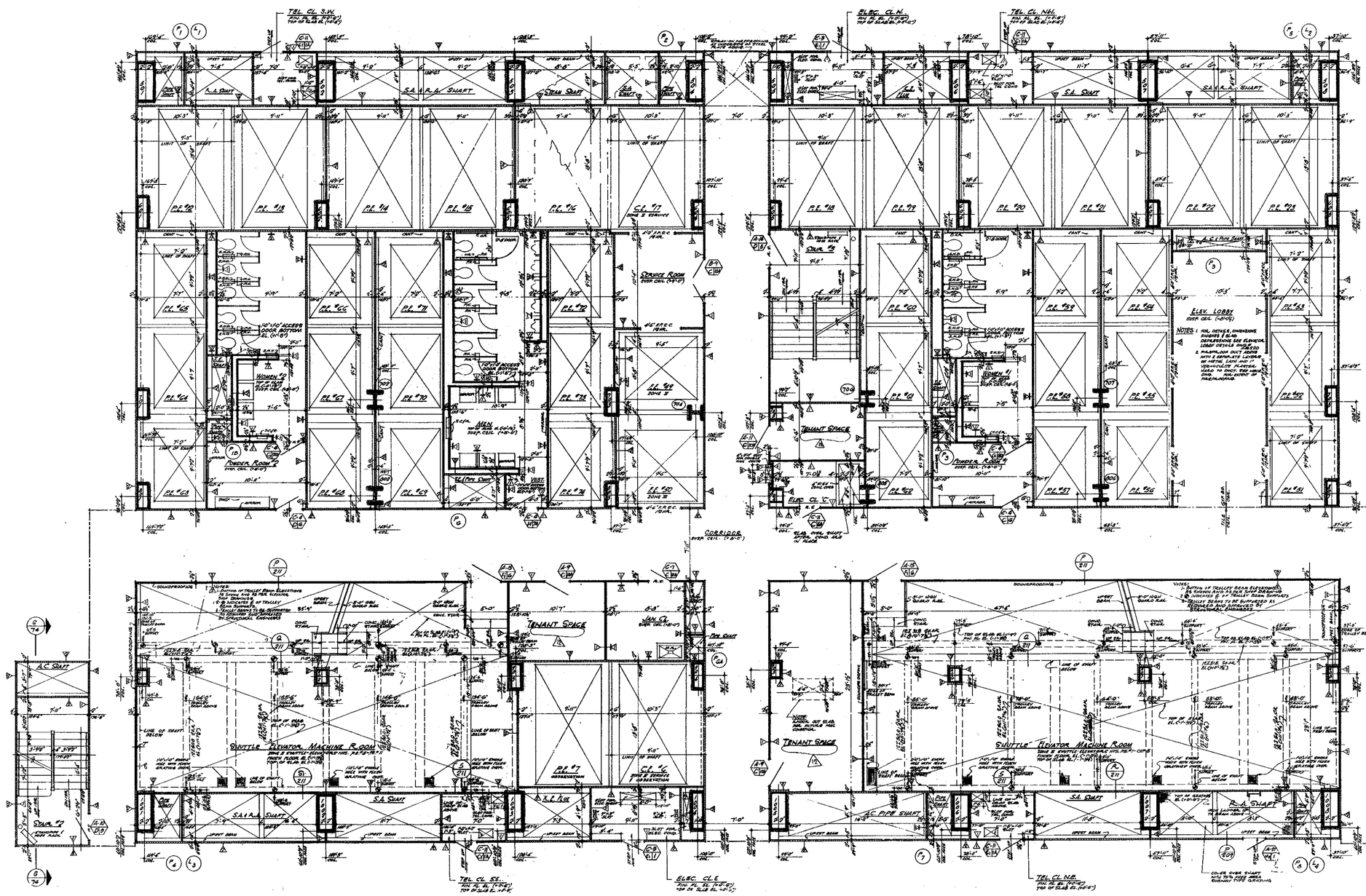
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A.D-1 TO A.D-6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING P.A.D-2.5
3. ALL ELEVATIONS GIVEN THUS (± 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (T.O.S.) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS. _____

1/8" = 1'-0" SCALE 5 0 5 10 20

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	REVISIONS	BUL. NO.	BY



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWERS SEE DRAWINGS # A-0-1 TO A-0-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-0-86
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-1B-204 AND A-1B-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS: ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CORSING SEE TYPICAL TOILET DETAILS DWG # A-1B-216.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MIN. MUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS

2. FOR TYPICAL PARTITION DETAILS SEE DWGS A-1B-206 TO A-1B-212

NOTES: 1. FOR DETAILS, DIMENSIONS, FINISHES & SLAB DEPRESSIONS SEE ELEVATOR LOBBY DETAILS DWG # A-2-200

2. PLASTERBOARD DUCT ENCLOSURE WITH 2 SEPARATE LAYERS OF METAL LATH AND 1/2" VERMICULITE PLASTER. USED TO ENCLOSE TEE HEATING DUCTS. FOR DETAILS OF FIREPROOFING

NOTES: (SHUTTLE ELEVATOR MACHINE ROOM)
1. BOTTOM OF TROLLEY BEAM ELEVATIONS AS SHOWN ALSO IN ELEVATOR SHAFT DRAWING
2. (S) INDICATES 2 1/2" "VALLEY BEAM SUPPORTS"
3. "VALLEY BEAMS TO BE SUPPORTED AS REQUIRED AND APPROVED BY STRUCTURAL ENGINEERS"

NOTES: (TENANT SPACE)
1. SOUNDPROOFING

NOTES: (SHUTTLE ELEVATOR MACHINE ROOM)
1. BOTTOM OF TROLLEY BEAM ELEVATIONS AS SHOWN ALSO IN ELEVATOR SHAFT DRAWING
2. (S) INDICATES 2 1/2" "VALLEY BEAM SUPPORTS"
3. "VALLEY BEAMS TO BE SUPPORTED AS REQUIRED AND APPROVED BY STRUCTURAL ENGINEERS"

NOTE: SOUNDPROOFING OUT SLAB, SOUNDPROOFING NOT COMPLETED

CONTRACT	BID	DRAWING	date 5-1-68		
		9-27-67	B-34	E.C.
		9-27-67	B-31	E.C.
		9-29-67	B-33	L.W.
		9-29-67	B-18	E.C.
		9-29-67	B-18	E.C.
		9-29-67	B-26	E.C.
		9-29-67	B-12	E.C.
		11-1-68	B-7	R.R.
5-28-70	B-136	L.W.	5-1-68	B-6	K.T.H.
5-22-70	B-48	A.W.	5-1-68	B-1	D.G.

NO.	DATE	BUL. NO.	BY
		REVISIONS	

NO.	DATE	BUL. NO.	BY
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 031797 — U.S.A.

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

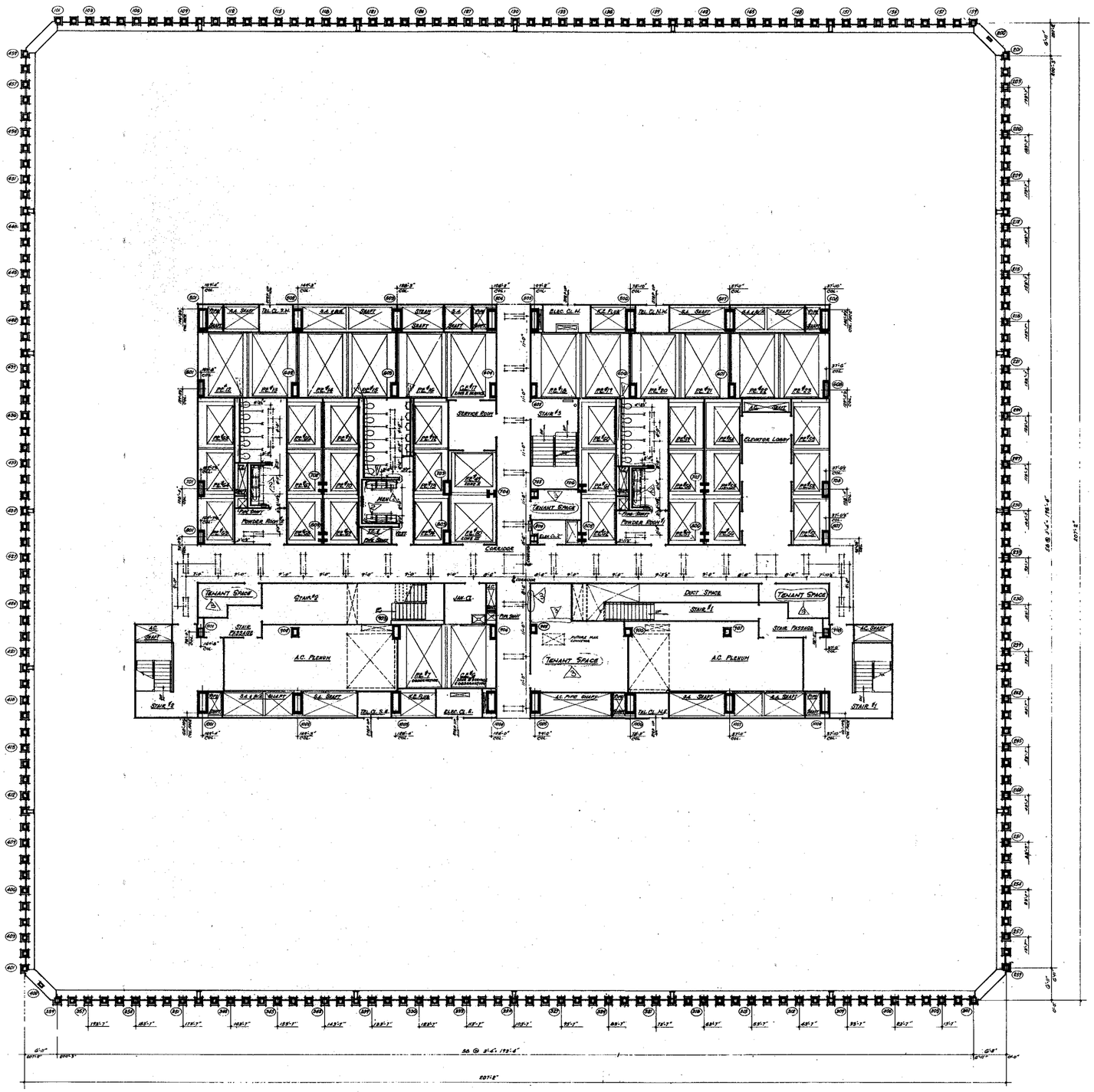
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 47TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·85		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWING A-0-67.
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, UTILITY ROOMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CONTRACT BID DRAWING date 3-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
1	7-27-69	B-36	E.C.
2	7-27-67	B-35	E.C.
3	7-29-68	B-17	L.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8" = 1' 0" 0 4 8 16 24

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 48TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	7-21-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-86		

NORTH

TEL. CL. S.W. FIN. EL. EL. (+0'-0") TOP OF SLAB EL. (+0'-0")

ELEC. CL.W. FIN. EL. EL. (+0'-0") TOP OF SLAB EL. (+0'-0")

TEL. CL. N.W. FIN. EL. EL. (+0'-0") TOP OF SLAB EL. (+0'-0")

S.A.R.A. SHAFT — STEAM SHAFT — SA SHAFT — S.A.R.A. SHAFT — SA SHAFT — S.A.R.A. SHAFT

P.L. #12 — P.L. #13 — P.L. #14 — P.L. #15 — P.L. #16 — CL. #17 ZONE 2 TENANTS — P.L. #18 — P.L. #19 — P.L. #20 — P.L. #21 — P.L. #22 — P.L. #23

STAIR #9 — SERVICE ROOM over CEL. (+11'-0") — 40'0 F.R.D.C. FROM STREET

P.L. #65 — P.L. #66 — P.L. #67 — P.L. #68 — P.L. #69 — P.L. #70 — P.L. #71 — P.L. #72 — P.L. #73 — P.L. #74 — P.L. #75 — P.L. #76

40"x16" ACCESS DOOR, BOTTOM EL. (+16'-6") — WOMEN #2 — MEN #2 — MAIN SWITCH BOARD ROOM over CEL. (+8'-0") — 44"x16" ACCESS DOOR, BOTTOM EL. (+16'-6") — 40'0 F.R.D.C. FROM STREET — ZONE 3 — ZONE 2

P.L. #24 — P.L. #63 — P.L. #64 — P.L. #77 — P.L. #78 — P.L. #79 — P.L. #80 — P.L. #81 — P.L. #82 — P.L. #83 — P.L. #84 — P.L. #85

POWER ROOM #2 over CEL. (+8'-0") — 44"x16" ACCESS DOOR, BOTTOM EL. (+16'-6") — 40'0 F.R.D.C. FROM STREET — 44"x16" ACCESS DOOR, BOTTOM EL. (+16'-6")

WOMEN #1 — MEN #1 — STAIR #8 over CEL. (+8'-0") — TENANT SPACE — ELEV. LOBBY over CEL. (+8'-0") — POWER ROOM #1 over CEL. (+8'-0")

NOTE: 1. FOR DETAILS, DIMENSIONS, FINISHES & SLAB DEPRESSIONS SEE ELEVATOR LOBBY DETAILS DWG. # A-A6-E60

CORRIDOR over CEL. (+8'-0")

STAIR #2 over CEL. (+8'-0") — STAIR #1 over CEL. (+8'-0")

1. PARTITION SHOT ABOVE WITH 5/8" GYP. BD. EACH SIDE & SEPARATE LAYERS OF WITH LATH & PLASTER OR MONOLITHIC PLASTER, HELD TO DECK AND WALLS ONLY. FIRE-STOP OF FIREPROOFING.

OPENING IN SLAB ABOVE — VAN. CL. over CEL. (+8'-0") — DUST SPACE — TENANT SPACE — STAIR #1 over CEL. (+8'-0") — STAIR PASSAGE over CEL. (+8'-0")

A.C. SHAFT — STAIR PASSAGE over CEL. (+8'-0") — A.C. SHAFT

A. C. PLENUM — P.L. #7 OBSERVATION — CL. #6 TENANT & SERVICE OBSERVATION — A. C. PLENUM — TENANT SPACE

6" HIGH CONC. CURB WITH 2'-0" TUBULAR ROUND RAIL OVER.

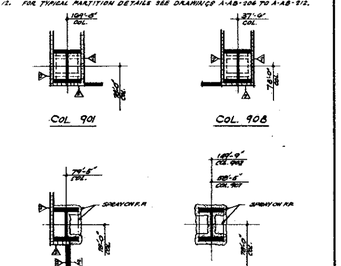
SA SHAFT — SA & R.A. SHAFT — SA SHAFT — A.C. PIPE SHAFT — PIPE SHAFT — SA SHAFT — R.A. SHAFT

SPEED BEAM — SLOT FOR TEL. CONDS. — SLOT FOR ELEC. CONDS. — SPEED BEAM

TEL. CL. S.E. FIN. EL. EL. (+0'-0") TOP OF SLAB EL. (+0'-0") — ELEC. CL.E. FIN. EL. (+0'-0") TOP OF SLAB EL. (+0'-0") — TEL. CL. N.E. FIN. EL. (+0'-0") TOP OF SLAB EL. (+0'-0")

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A0-1 TO A0-8
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-B-86
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-A6-E04 AND A-A6-E05
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE 20GA" DIAMETER (1 HOLE) DRAIN THROUGH SLAB AT EACH SANITARY ACCESS DOORS TO SOAP DISPENSER. VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTROL SHEET # A-A6-E06. FOR DETAILS SEE DWG # A-A6-E04. FOR WATER SUPPLY, WASTE AND VENT PIPING, STAND PIPE RISERS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR ADEQUATE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———————
10. CANT'S ARE REQUIRED ON ALL BEAM PROJECTIONS 0.6# PER NOMINAL (8" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7½" FROM NON-SEPTAL.
11. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6-E06 TO A-A6-E12.



COLUMN DETAILS
SCALE 3/8" = 1'-0"

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-1-65	
		1	1-21-71	B-85 L.L.
		2	5-22-70	B-68 A.M.
		3	9-27-67	B-34 E.C.
		4	9-27-67	B-31 E.C.
		5	9-29-66	B-28 L.L.
		6	7-29-66	B-25 L.L.
		7	7-29-66	B-18 L.L.
		8	7-29-66	B-15 L.L.
		9	7-29-66	B-13 L.L.
1	5-24-78	5-286	L.L.	1 8-1-65 B-6 R.T.H.

NO.	DATE	SUB. NO.	BY
REVISIONS			

NO.	DATE	SUB. NO.	BY
REVISIONS			

REGISTERED ARCHITECT — RICHARD T. ROTH — NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/16" = 1'-0" 0 1' 2' 3' 4' 8' 16'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECT
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

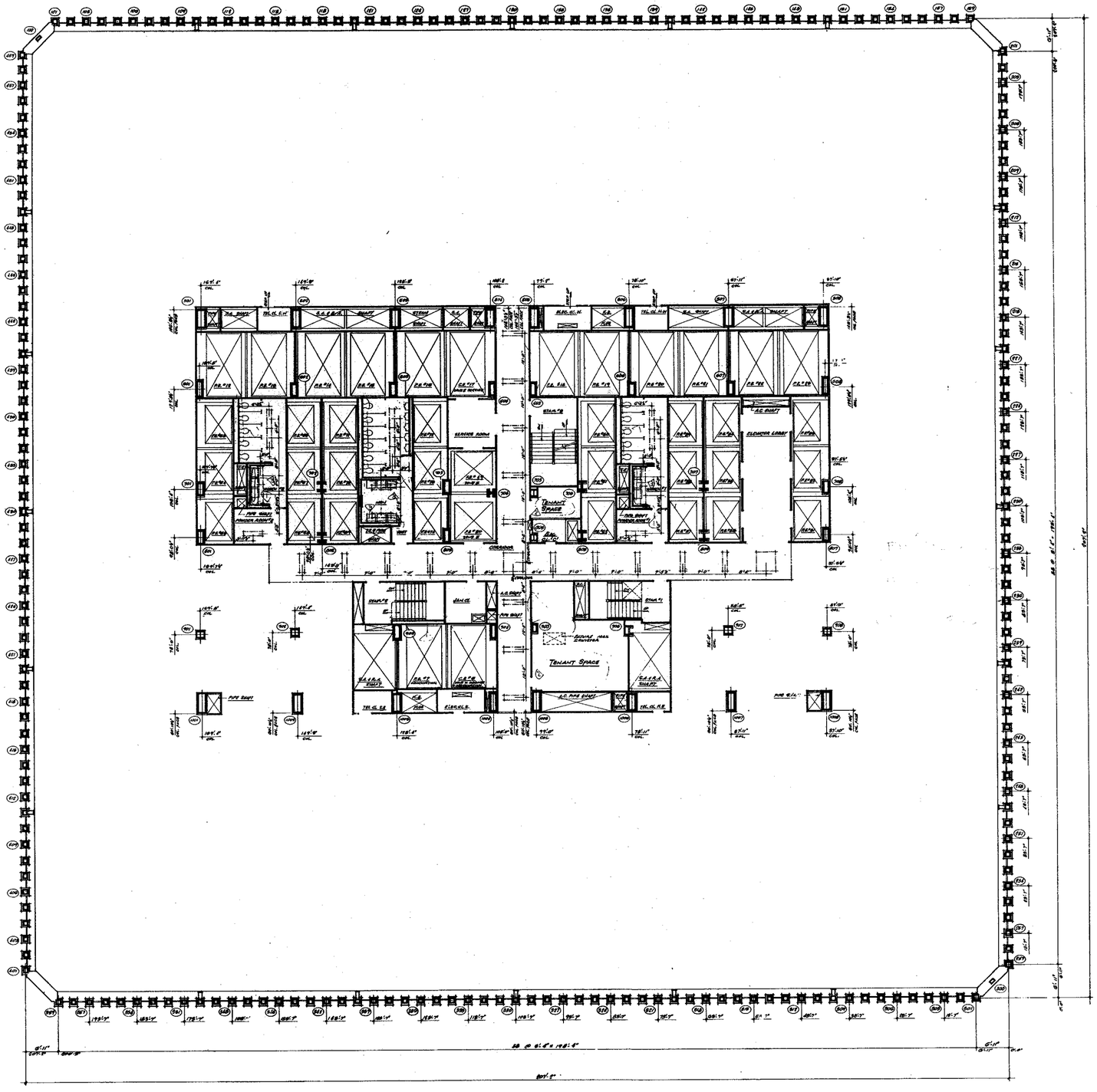
EMERY ROTH & SONS — ARCHITECTS
RICHARD ROTH, ARCHITECT

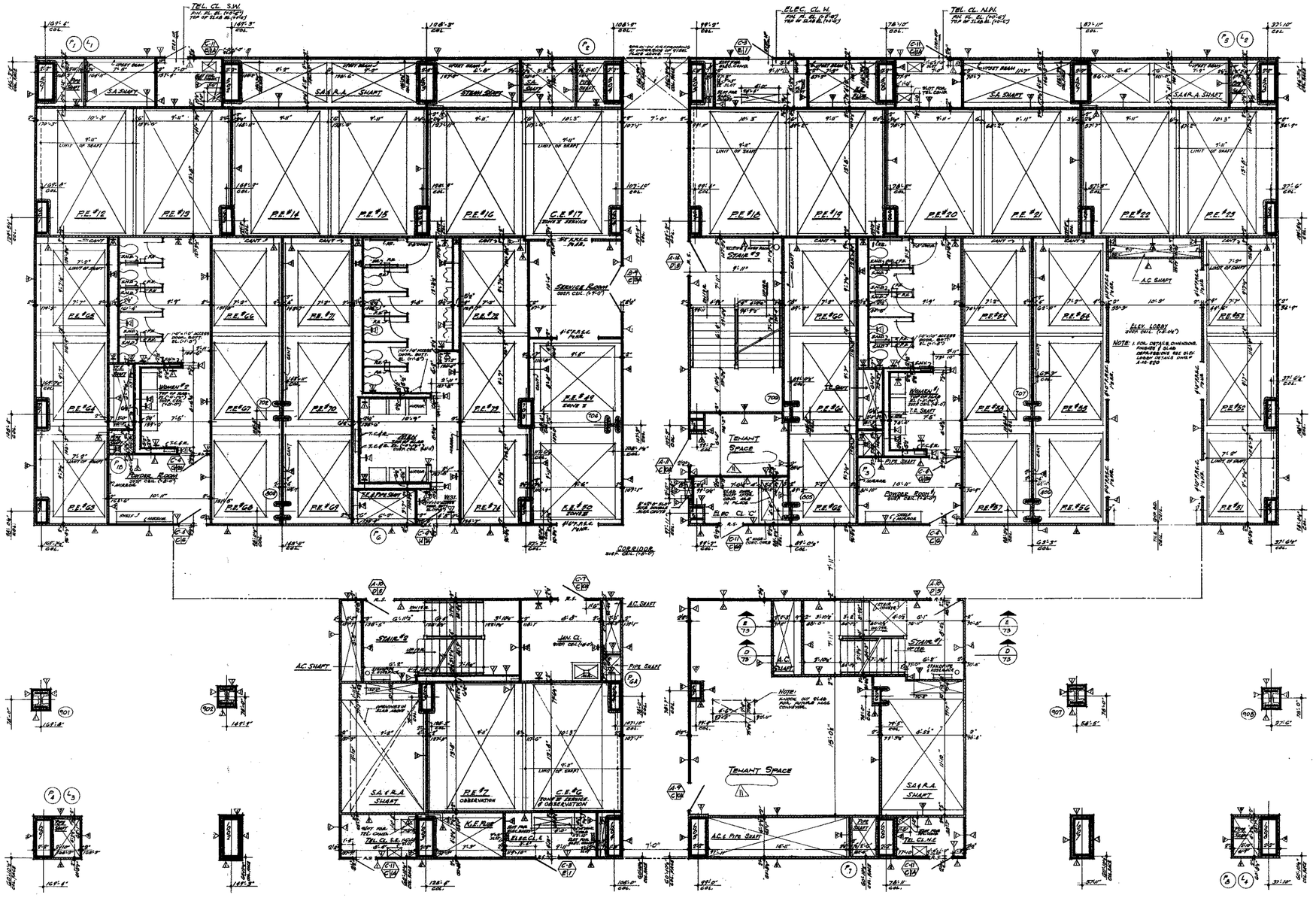
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 48TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-87		


TENANT SPACE
SERVICE ROOM
ELEVATOR LOBBY
STAIR 78
STAIR 79
A.C. SHAFT
A.C. PIPE SHAFT
SERVICE SHAFT
SERVICE SHAFT
SERVIC


NORTH
TEL. CL. S.W.
ELEC. CL. N.
TEL. CL. N.W.
S.A.R.A. SHAFT
STAIR #3
STAIR #2
A.C. SHAFT
SERVICE ROOM
TENANT SPACE
ELEV. LOBBY
CORRIDOR
P.E. #12
P.E. #13
P.E. #14
P.E. #15
P.E. #16
C.E. #17
P.E. #18
P.E. #19
P.E. #20
P.E. #21
P.E. #22
P.E. #23
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #29
P.E. #30
P.E. #31
P.E. #32
P.E. #33
P.E. #34
P.E. #35
P.E. #36
P.E. #37
C.E. #38
P.E. #39
P.E. #40
P.E. #41
P.E. #42
P.E. #43
P.E. #44
P.E. #45
P.E. #46
P.E. #47
C.E. #48
P.E. #49
P.E. #50
P.E. #51
P.E. #52
P.E. #53
P.E. #54
P.E. #55
P.E. #56
P.E. #57
P.E. #58
P.E. #59
P.E. #60
P.E. #61
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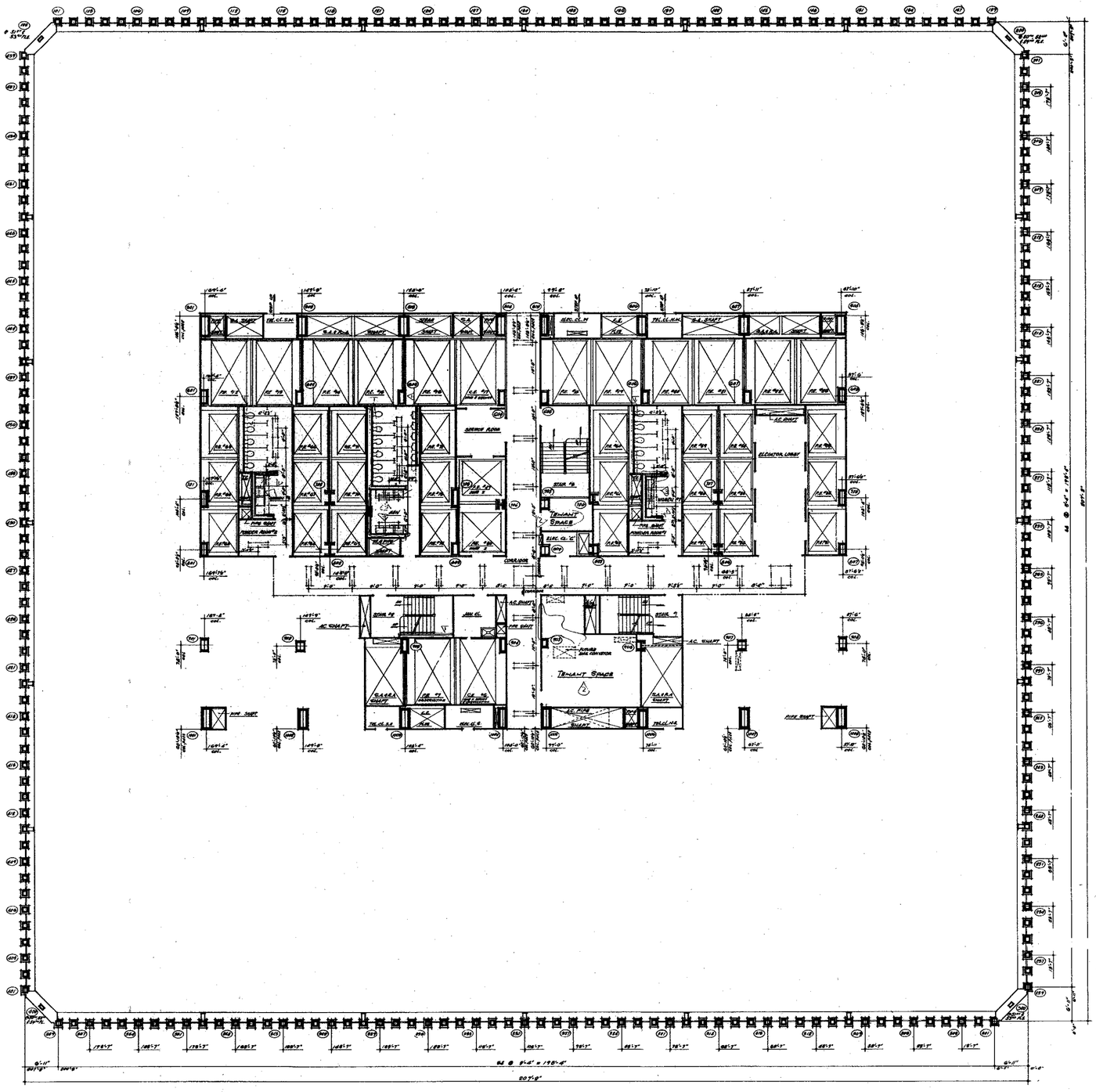
P.E. #64
P.E. #65
P.E. #66
P.E. #67
P.E.



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A 0.0-1 TO A.0-6.
2. FOR COMPLETE DIMENSIONING AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWINGS A-1.8-11
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	SUB. NO.	BY
1	9-26-69	B-56	D.G.
2	11-17-69	B-54	D.G.
3	2-24-69	B-57	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"-1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

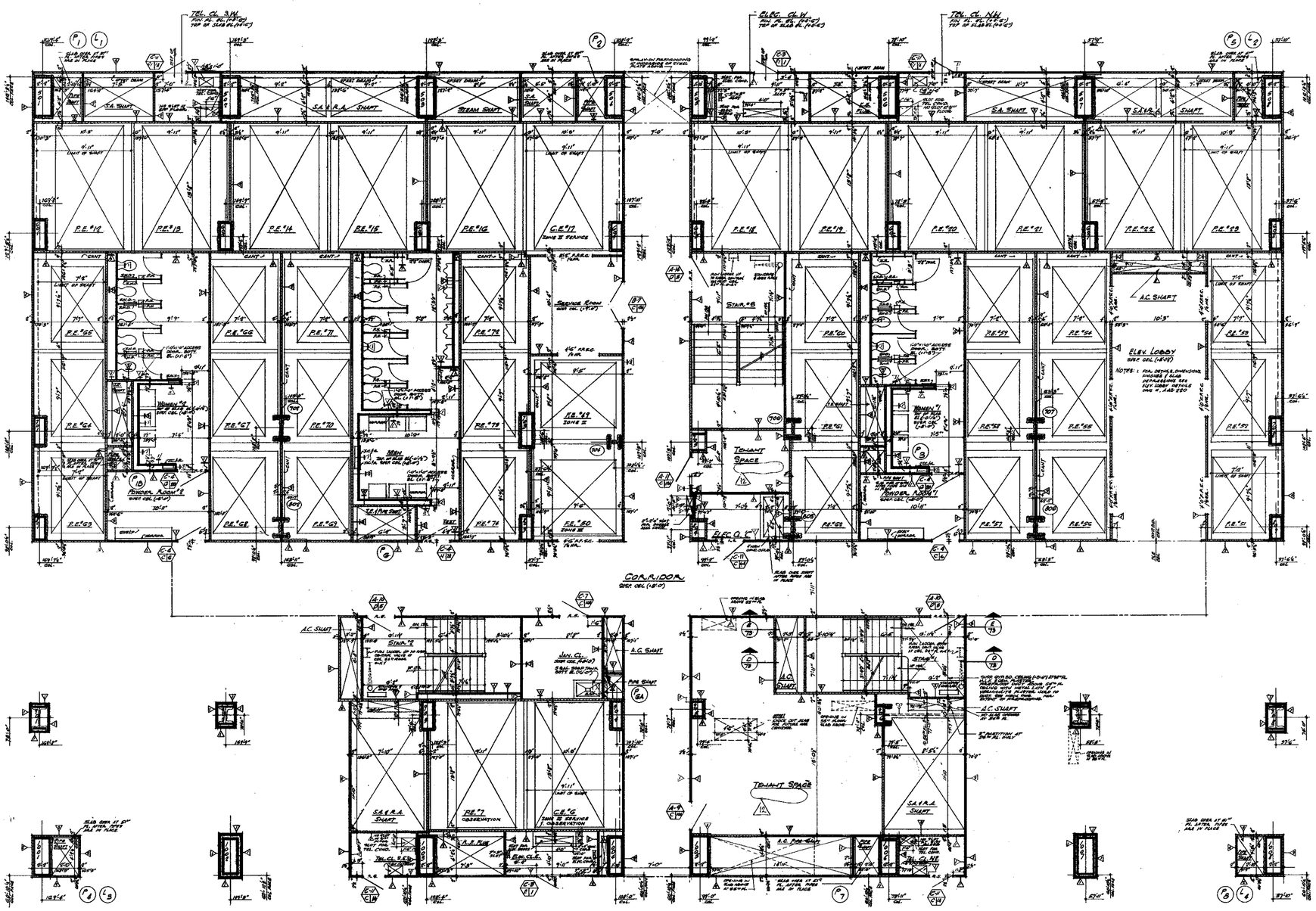
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 50TH TO 54TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·90		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND SYMBOLS OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-5
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING # A-B-91
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-AB-206 & A-AB-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS, O-B DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSERS, VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COUNTING. SEE TYP. TOILET DETAILS DWG. A-AB-216
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO ALLOWANCE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" NOMINAL (ACTUAL) DIMENSION IN ELEVATION. SLOPE AND SHALL BE MINIMUM 1/4" PER HORIZONTAL SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS, SEE DRAWINGS A-AB-204 TO A-AB-212

CONTRACT AND DRAWING			
	10	5-22-70	B-48	A.J.L.
	9	9-29-69	B-54	D.A.
	8	9-29-69	B-55	D.A.
	7	9-29-69	B-56	D.A.
	6	9-29-69	B-10	K.C.
	5	9-29-69	B-25	K.C.
	4	9-29-69	B-12	K.C.
	3	9-29-69	B-13	K.C.
6-24-70	B-288	L.J.	2	8-1-68	B-6	K.T.M.
11-24-70	B-772	L.J.	1	5-1-68	B-1	D.G.
NO.	DATE	WORK NO.	BY	NO.	DATE	WORK NO.	BY
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH NEW YORK NO. 12

1/4"=1'-0" 0 1 2 3 4' 8' 12'

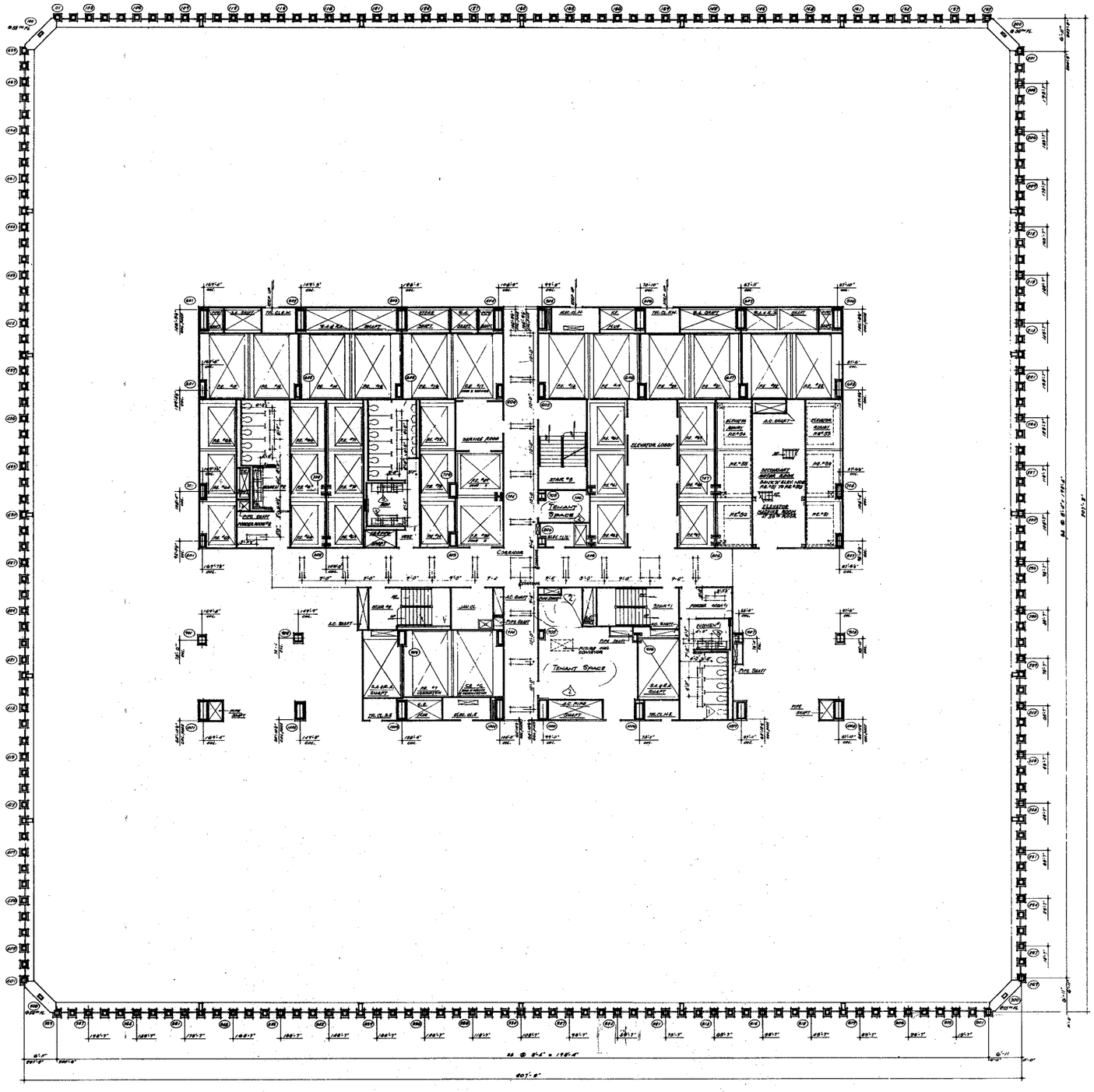
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 50TH TO 54TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·91		



NORTH

NOTE

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0-1 TO A-0-6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 'A' SERIES CORE DRAWINGS A-A-93 & A-A-94.
3. ALL ELEVATIONS SHOWN THUS (2'-6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT · BID" DRAWING · date 5-1-68

NO.	DATE	BUL. NO.	BY
REVISIONS			
2	9-23-68	B-86	D.G.
3	9-27-68	B-84	D.G.
4	10-3-68	B-92	J.M.

APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 13,478 STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

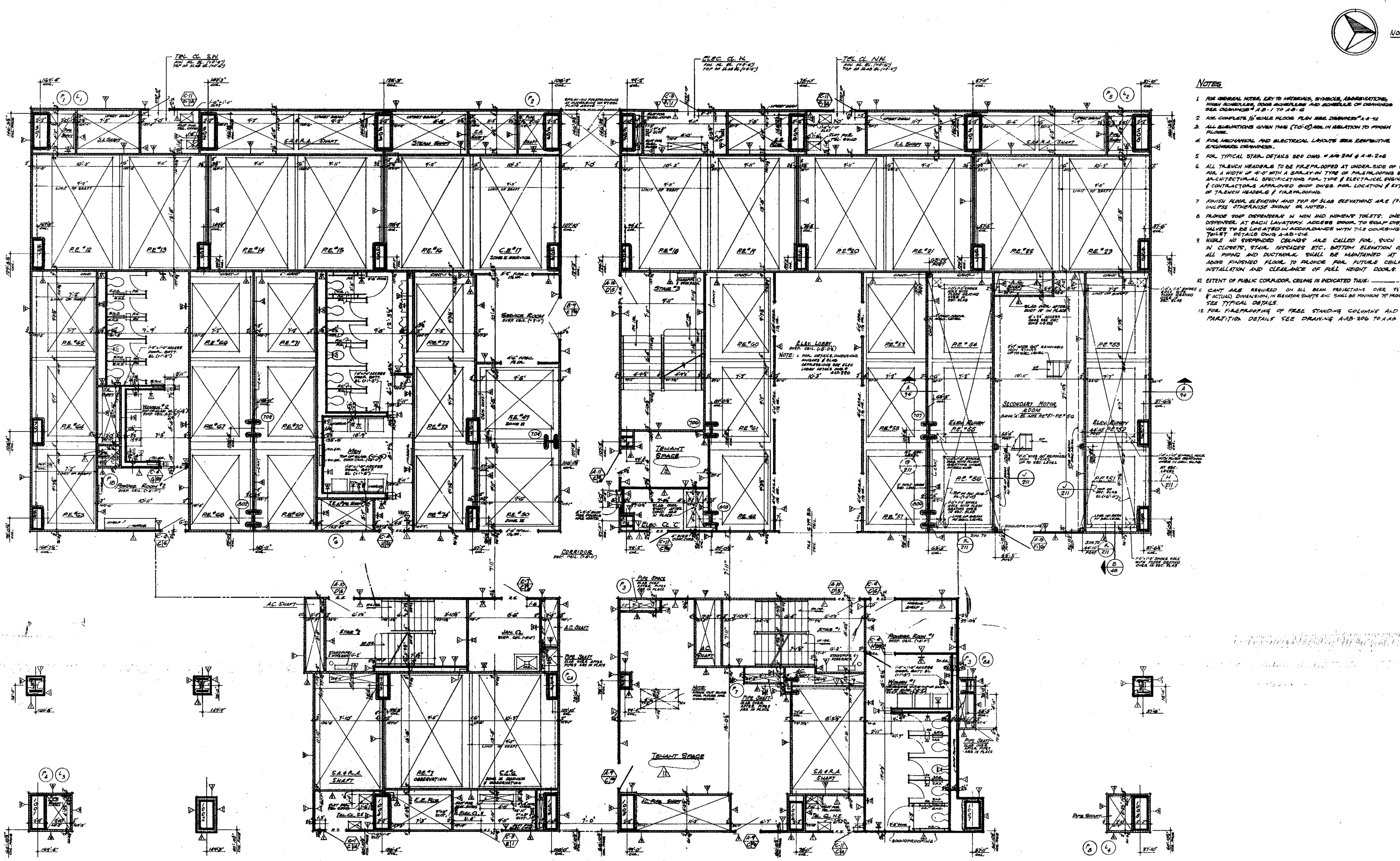
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: 55TH & 56TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·92		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS # A-B-1 TO A-B-G
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWINGS # A-B-92
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-B-204 & A-B-206
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOOR TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TOILET DETAILS DWG A-AB-214.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———
11. CANT ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 1½" NOMINAL (ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWING A-AB-206 TO A-AB 212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING, date 3-1-68

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				10	5-22-70	B-48	A.W.
				9	9-29-69	B-31	D.G.
				8	9-29-69	B-35	D.G.
				7	9-29-69	B-34	D.G.
				6	9-29-69	B-18	J.M.
				5	9-29-69	B-25	J.M.
				4	9-29-69	B-12	J.M.
				3	1-29-69	B-13	J.M.
12	8-24-73	B-238	L.J.	2	8-1-68	B-6	R.T.H.
11	8-24-71	B-116	L.J.	1	3-1-68	B-1	D.G.
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — RICHARD ROTH — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0' 1' 2' 3' 4' 8' 12'

TITLE: 55TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·93		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-B-92.
3. ALL ELEVATIONS GIVEN THUS ('10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-A-204 & A-A-205
6. ALL TRENCH HEADERS TO BE FIRE-PROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIRE-PROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIRE-PROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE TOILET DISPENSERS AT MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOOR TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG. #A-A-A-214
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SOFFITS AT IN CLOSETS, STAIR, REFRIGER ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" NOMINAL (8" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15° FROM HORIZONTAL.

SEE TYPICAL DETAILS
SEE DWGS. A-A-201 TO A-A-203

SEE TYPICAL DETAILS
SEE DWGS. A-A-206 TO A-A-212

CORRIDOR
SUSP. CEIL. (+8'-6")

ELEV. LOBBY
SUSP. CEIL. (+8'-6")

TENANT SPACE

TENANT SPACE

SECTION A/B-94

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	BUL. NO.	BY
8	8-24-70	B-136	LW
7	11-24-70	B-72	LJ
6	6-22-70	B-48	AM

REVISIONS

NO.	DATE	BUL. NO.	BY
5	9-29-69	B-95	EC
4	9-29-69	B-94	EC
3	9-29-69	B-81	EC
2	9-29-69	B-18	EC
1	9-29-69	B-12	EC
	9-29-69	B-25	EC
	9-29-69	B-13	EC
7	11-1-68	B-7	EC
6	8-1-68	B-6	ATA
5	6-1-68	B-1	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

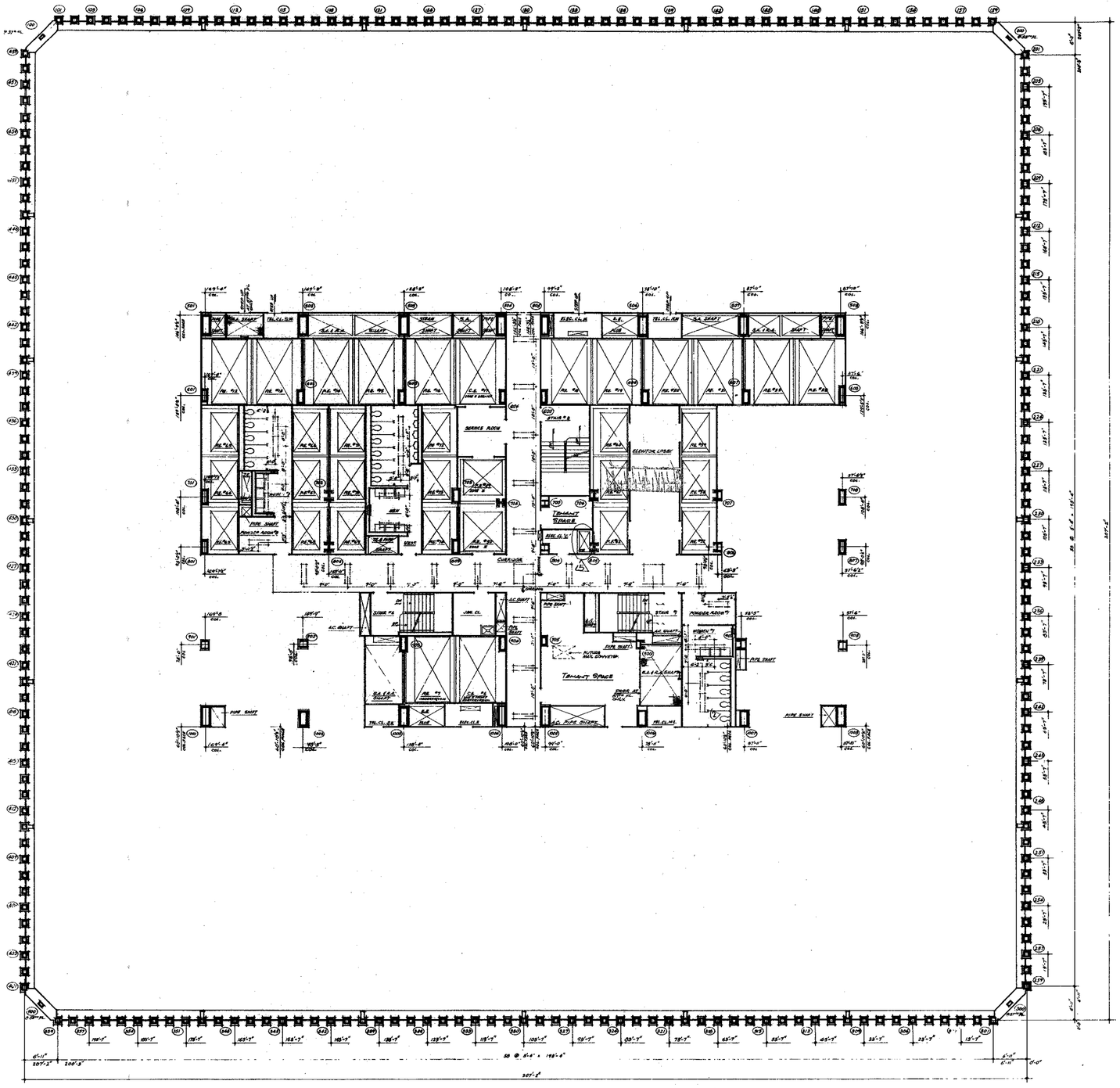
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

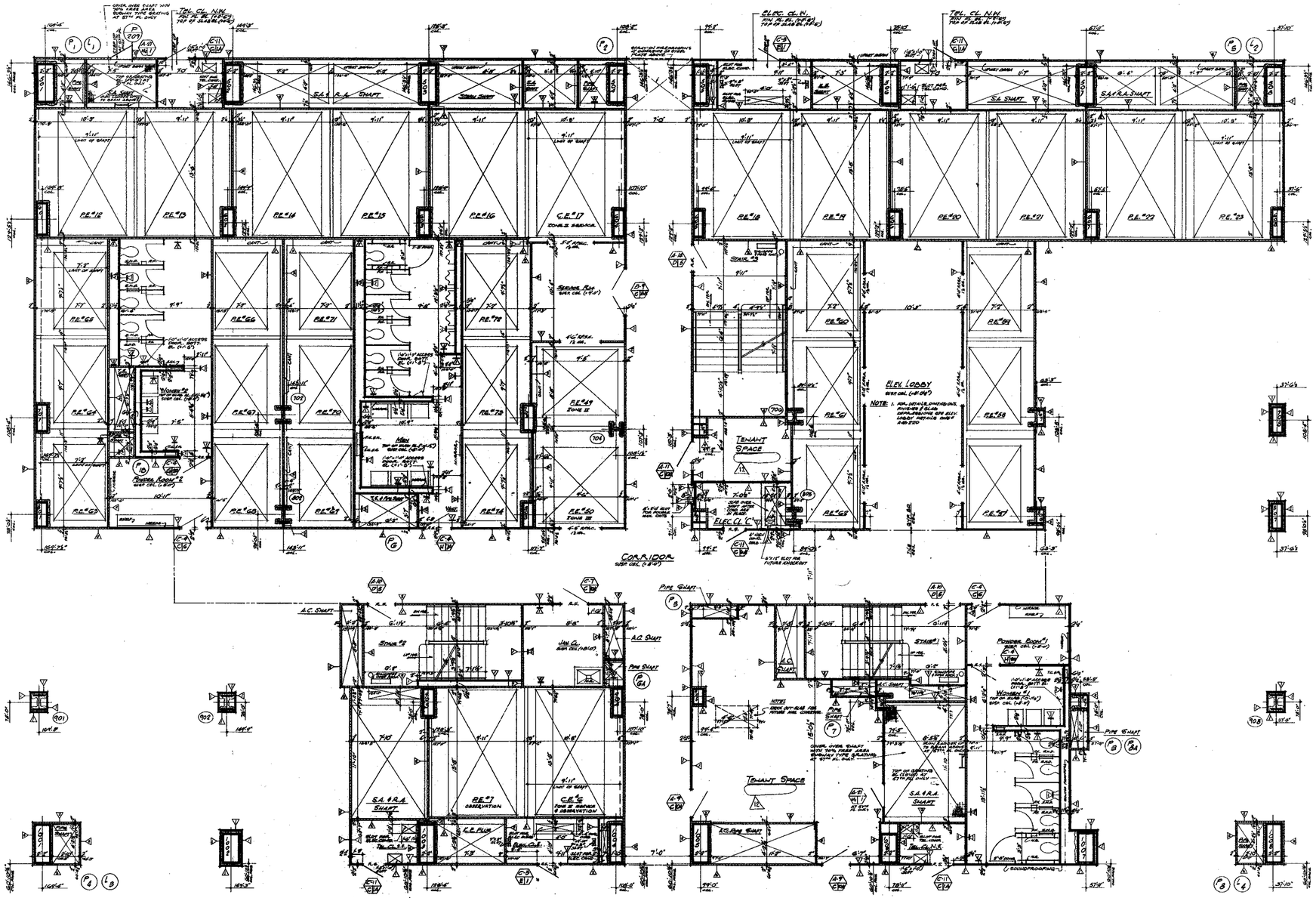
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 56TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-94		


SERVICE ROOM
ELEVATOR LOBBY
TENANT SPACE
CORRIDOR
FIRE SHAFT
TENANT SPACE
TENANT SPACE
TENANT SPACE



BULLETINS NOT DATED ARE THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	Issued 8-1-68
		10 5-22-70 B-98 AW
		9 9-29-69 B-91 DG
		8 9-29-69 B-86 DG
		7 9-29-69 B-84 DG
		6 9-29-69 B-18 DG
		5 9-29-69 B-16 DG
		4 9-29-69 B-12 DG
		3 9-29-69 B-13 DG
3 8-26-70	B-986	LJ 2 8-1-68 B-6 RTK
2 1-29-70	B-86	LJ 1 5-1-68 #-1 DG
NO. DATE	SUB. NO.	BY NO. DATE SUB. NO. BY
REVISIONS		REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

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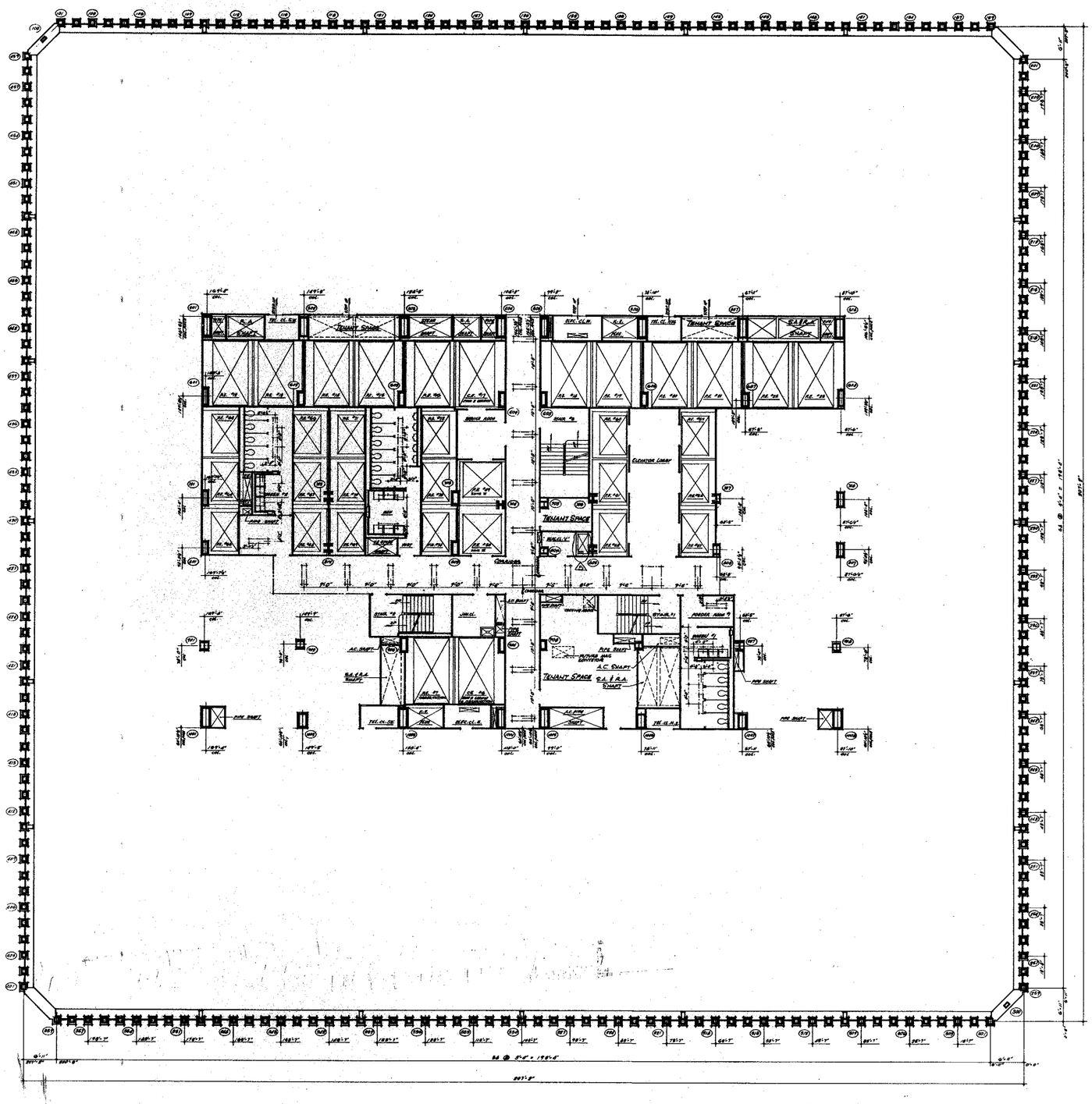
PAVING, UTILITIES, FOUNDATIONS

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: 57TH & 58TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	7-8-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·96		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-0.1 TO A-0.5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING # A-0.10.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PROPOSED AT UNDERSIDE OF SLAB FOR A WIDTH OF 9'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND. ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____ . _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT "BID" DRAWING "Date 5-1-68

NO.	DATE	BUL. NO.	BY
1	1-29-70	B-44	L.L.
2	9-29-69	B-36	E.C.
3	9-29-69	B-36	E.C.
4	9-29-69	B-12	E.C.
5	5-1-68	B-1	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 035 — EMERY ROTH

1/8"=1'-0" 0 4' 8' 16' 24'

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THE PORT OF NEW YORK AUTHORITY

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STRUCTURAL ENGINEERS

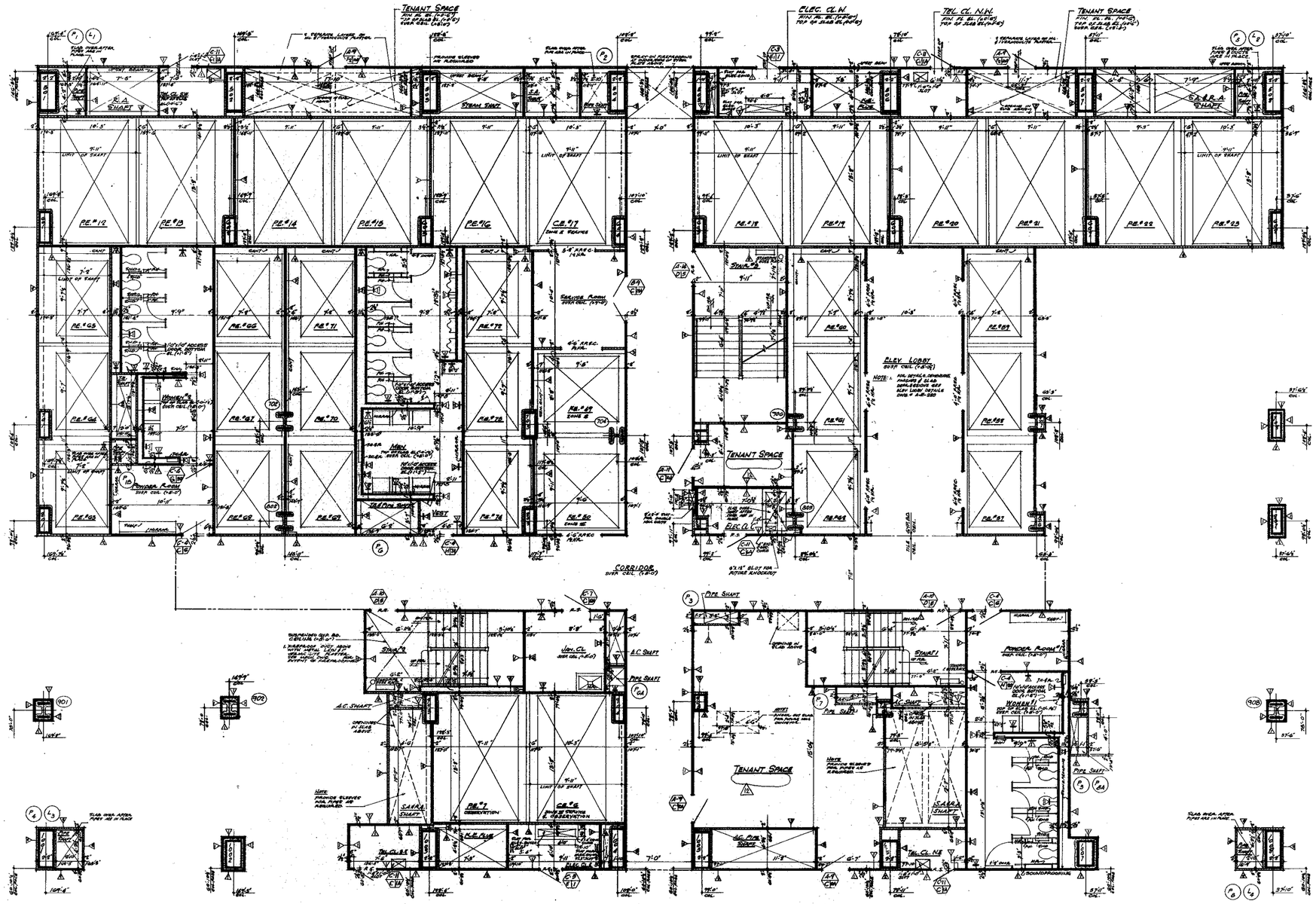
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-07
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·97		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-B-1 TO A-B-6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING "A-B-97
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-B-304 AND A-B-306
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTOR'S APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG # A-B-316
9. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CORRIDORS, FIRE PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CAINTS ARE REQUIRED ON ALL BEAM PROJECTION OVER 1½ NOMINAL (6" ACTUAL) DIMENSION, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DWGS A-A-B-306 TO A-A-B-312.

BUILDING NOT DATED AS IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 5-1-68

NO.	DATE	SUB. NO.	BY
10	5-22-70	B-68	A.H.
9	9-29-69	B-35	E.C.
8	9-29-69	B-34	E.C.
7	9-29-69	B-31	E.C.
6	9-29-69	B-13	E.C.
5	9-29-69	B-12	E.C.
4	9-29-69	B-26	E.C.
3	9-29-69	B-12	E.C.
2	5-1-68	B-6	A.H.
1	5-1-68	B-1	O.G.
5	5-26-70	B-138	L.I.
4	1-29-71	B-158	L.I.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

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MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

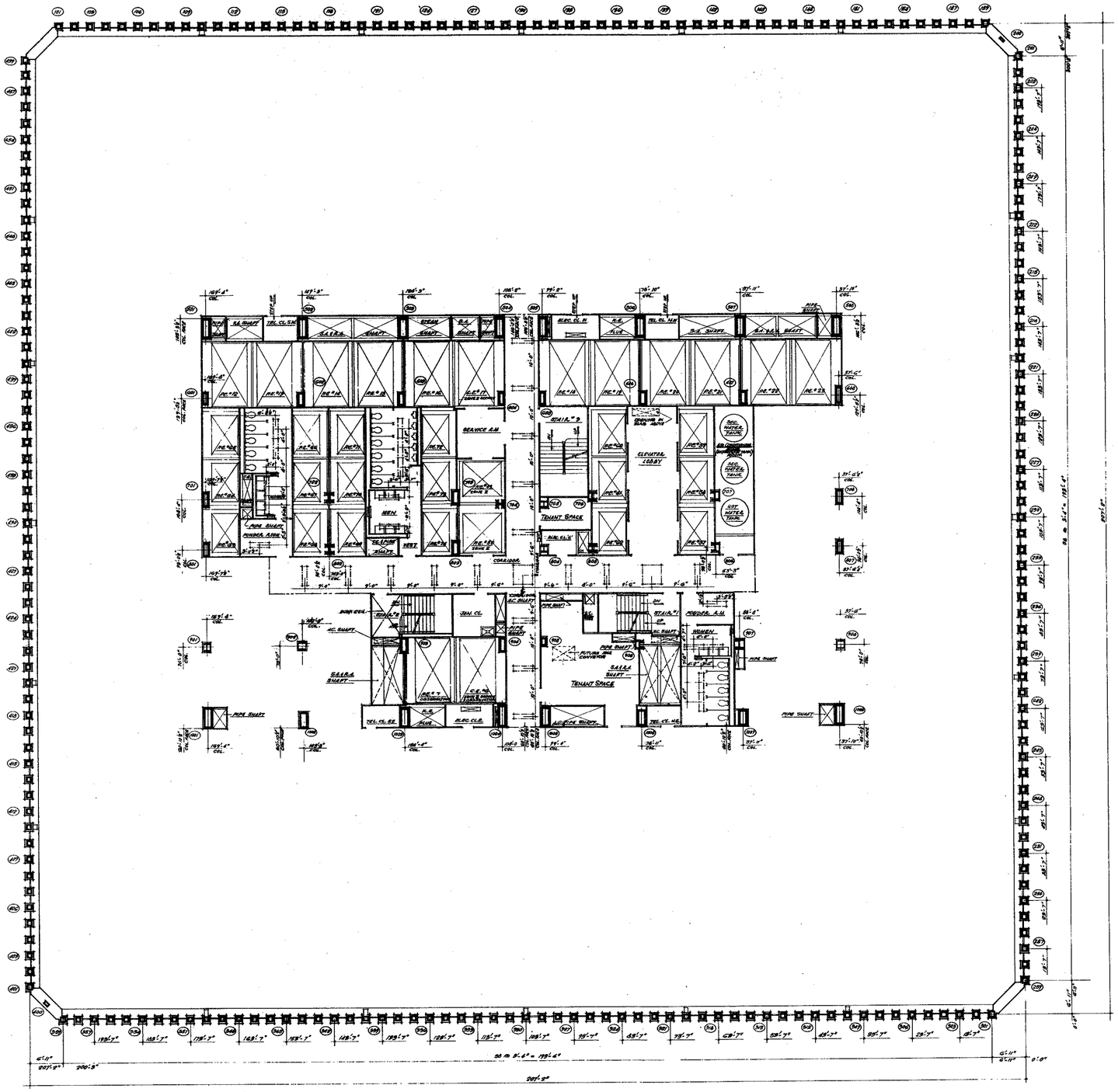
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

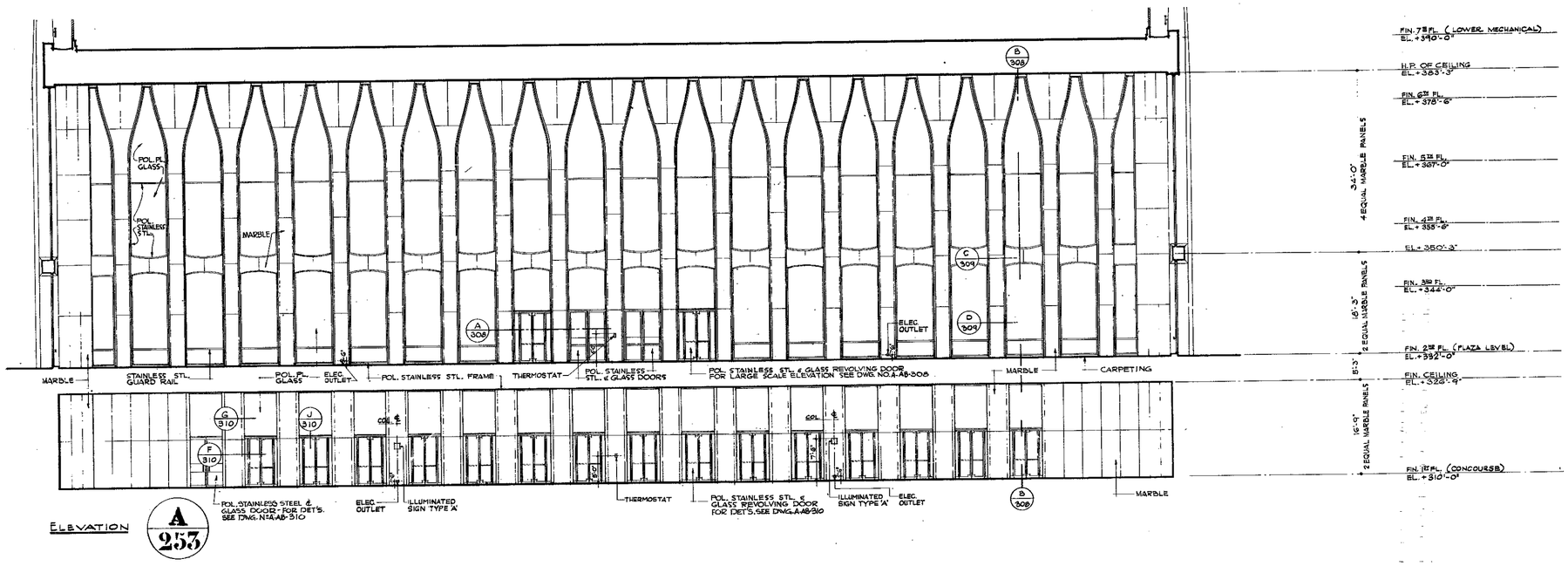
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR CORE PLAN

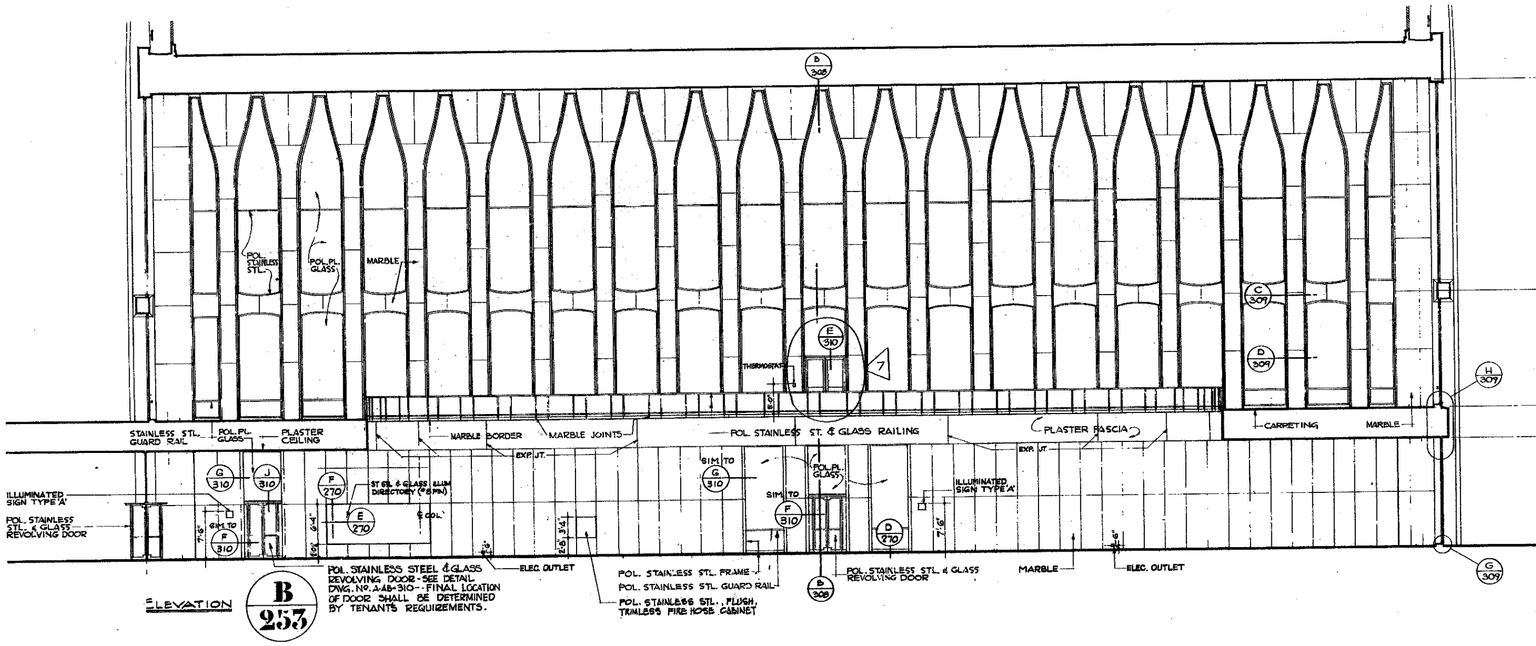
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·98		


NORTH
TENANT SPACE
TENANT SPACE
ELEVATOR LOBBY
MEN
WOMEN
COMMON AREA
PUBLIC CORRIDOR
STAIR NO. 9
STAIR NO. 11
PUBLIC AREA
PUBLIC AREA
PUBLIC AREA



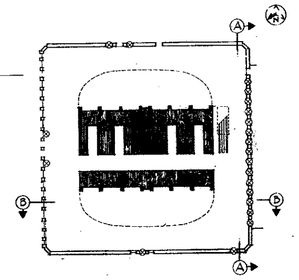
ELEVATION

A 253



ELEVATION

B 253



1/8"=1'-0" 0 4' 8' 16' 24' KEY PLAN 1"=80'-0" (SHOWN AT 3/32")

CONTRACT NO.	DRAWN: date 2-2-68

NO.	DATE	SUB. NO.	BY
		A-867	MM
1	7-25-72	A-1254	A.K.
2	8-3-71	A-1141	S.D.
3	11-6-70	A-1104	E.A.
4	12-22-69	A-29	EC
5	5-23-69	A-23	W.S.
6	3-21-69		M.M.

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

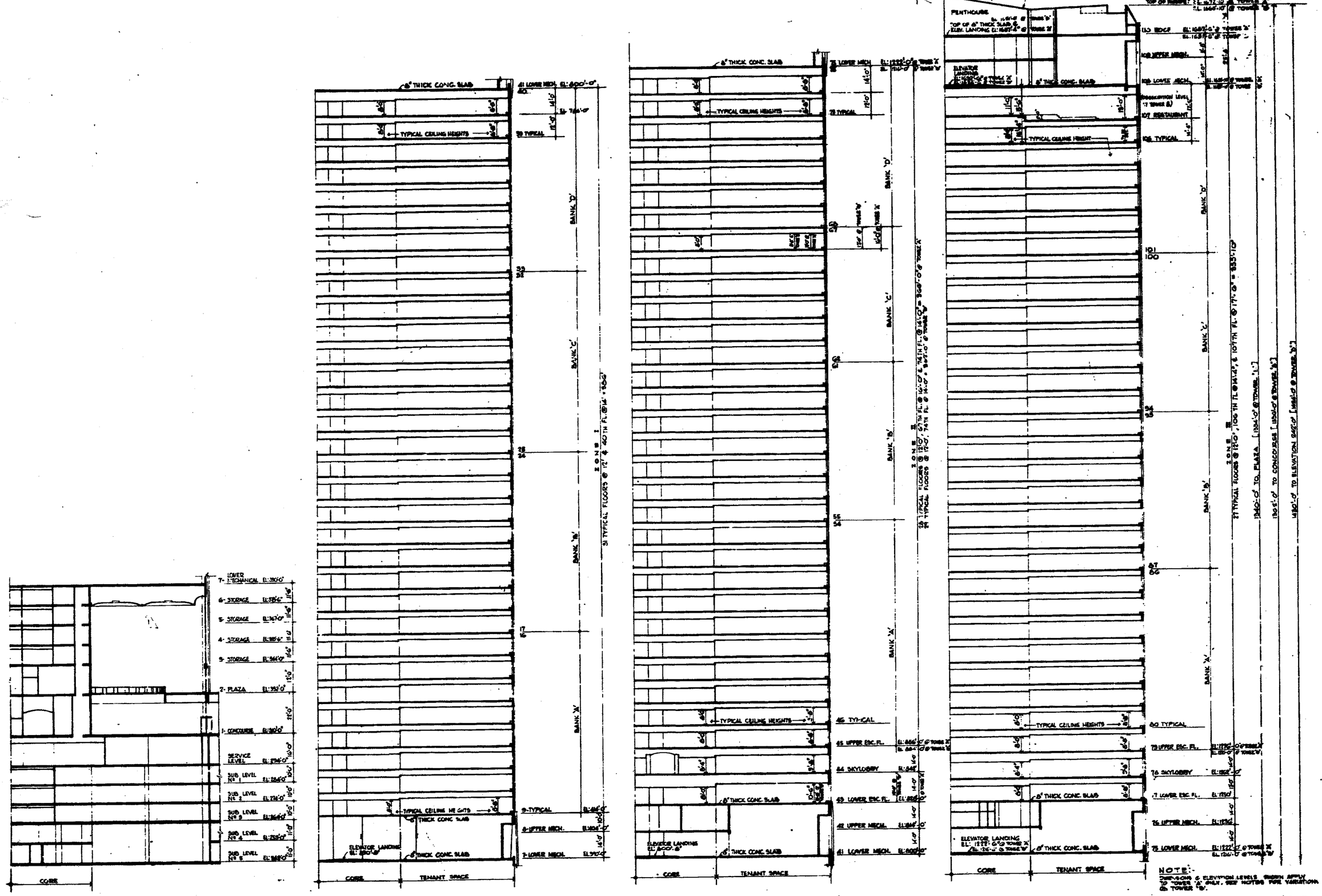
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY ELEVATIONS 'A' & 'B'

DRAWN	G.T.V. & A.B.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·A·253		

File in AAB Series


LOWER
7- HORTICULTURAL EL: 390'-0"
6- STORAGE EL: 376'-6"
5- STORAGE EL: 365'-0"
4- STORAGE EL: 353'-6"
3- STORAGE EL: 344'-0"
2- PLAZA EL: 332'-0"
1- CONCOURSE EL: 310'-0"
SERVICE LEVEL EL: 294'-0"
SUB LEVEL No. 1 EL: 284'-0"
SUB LEVEL No. 2 EL: 274'-0"
SUB LEVEL No. 3 EL: 264'-0"
SUB LEVEL No. 4 EL: 254'-0"
SUB LEVEL No. 5 EL: 244'-0"
CORE
ELEVATOR LANDING EL: 310'-0"
6" THICK CONC. SLAB
TYPICAL CEILING HEIGHTS
9 TYPICAL EL: 894'-0"
8 UPPER MECH. EL: 804'-0"
7 LOWER MECH. EL: 790'-0"
BANK 'A'
BANK 'B'
BANK 'C'
BANK 'D'
ZONE I
51 TYPICAL FLOORS @ 12'-0" & 40TH FL. @ 16'-0" = 652'-0"
TENANT SPACE
41 LOWER MECH. EL: 600'-0"
39 TYPICAL
ELEVATOR LANDING EL: 600'-0"
46 TYPICAL
45 UPPER ESC. FL. EL: 656'-0"
44 SKYLOBBY EL: 644'-0"
43 LOWER ESC. FL. EL: 632'-0"
42 UPPER MECH. EL: 618'-0"
41 LOWER MECH. EL: 600'-0"
ZONE II
39 TYPICAL FLOORS @ 12'-0", 63TH FL. @ 16'-0" & 74TH FL. @ 14'-0" = 568'-0" @ TOWER 'A'
39 TYPICAL FLOORS @ 12'-0", 74TH FL. @ 14'-0" = 568'-0" @ TOWER 'B'
PENTHOUSE
TOP OF 6" THICK SLAB & ELEV. LANDING EL: 1685'-6" @ TOWER 'B'
ELEVATOR LANDING EL: 1650'-6" @ TOWER 'A'
EL: 1671'-10" @ TOWER 'A'
EL: 1685'-10" @ TOWER 'B'
TOP OF ROOF
MACHINERY HIGH
MACHINERY LOWER
OBSERVATION LEVEL @ TOWER 'A'
107 RESTAURANT
106 TYPICAL
101
100
97
96
ZONE III
21 TYPICAL FLOORS @ 12'-0", 100TH FL. @ 94'-6", & 101TH FL. @ 17'-0" = 855'-10"
1240'-0" TO PLAZA
1305'-0" TO CONCOURSE
1480'-0" TO ELEVATION 2440'-0"
60 TYPICAL
79 UPPER ESC. FL.
76 SKYLOBBY
77 LOWER ESC. FL.
76 UPPER MECH.
75 LOWER MECH.
NOTE:-
DIMENSIONS & ELEVATION LEVELS SHOWN APPLY TO "TOWER 'A' ONLY. SEE NOTES FOR VARIATIONS @ TOWER 'B'.
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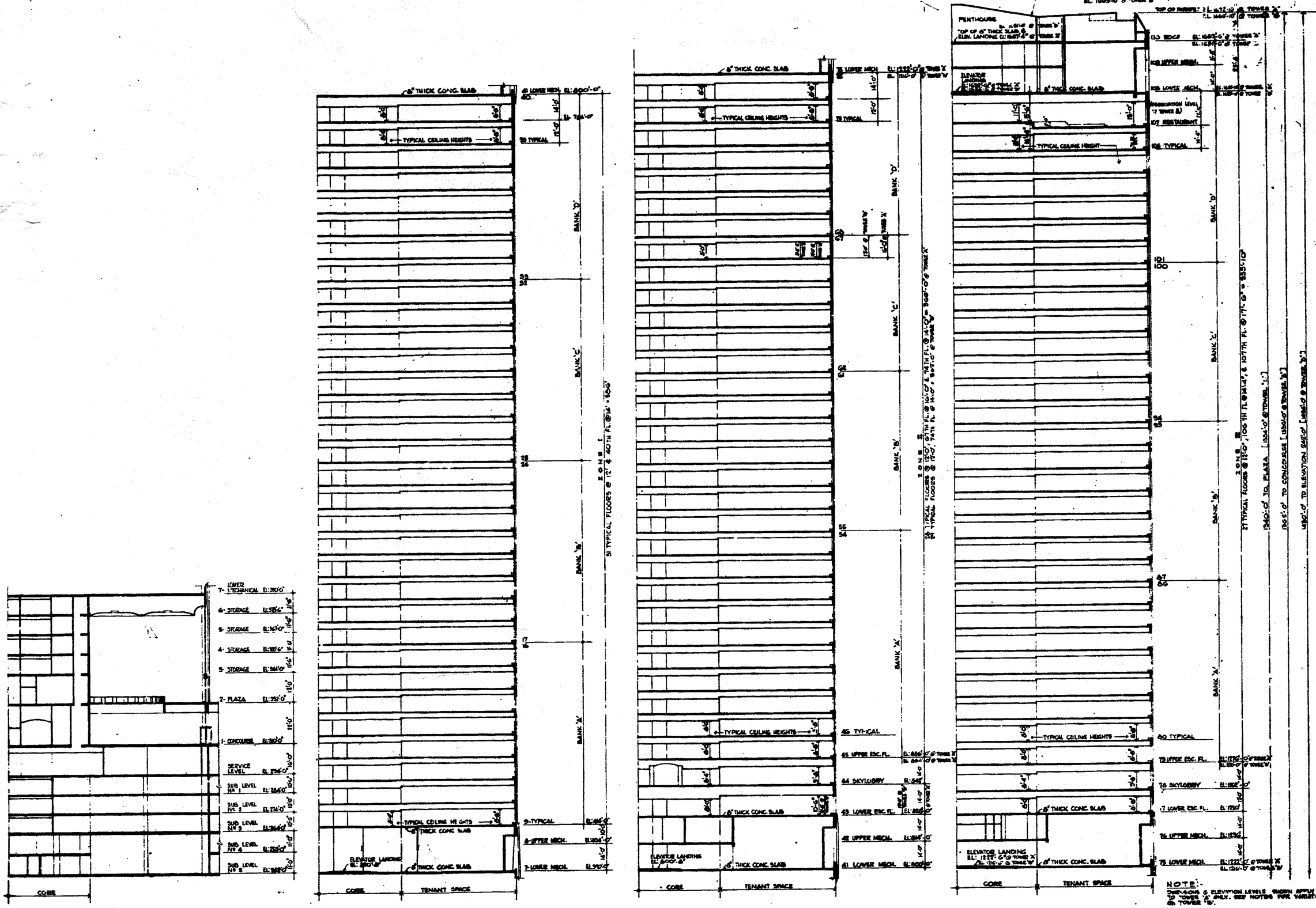
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JACOBS, DAVIS & COLLES
CONSULTING ENGINEERS
CROSS SECTION THRU TOWER
A-AB-201



THE WORLD TRADE CENTER

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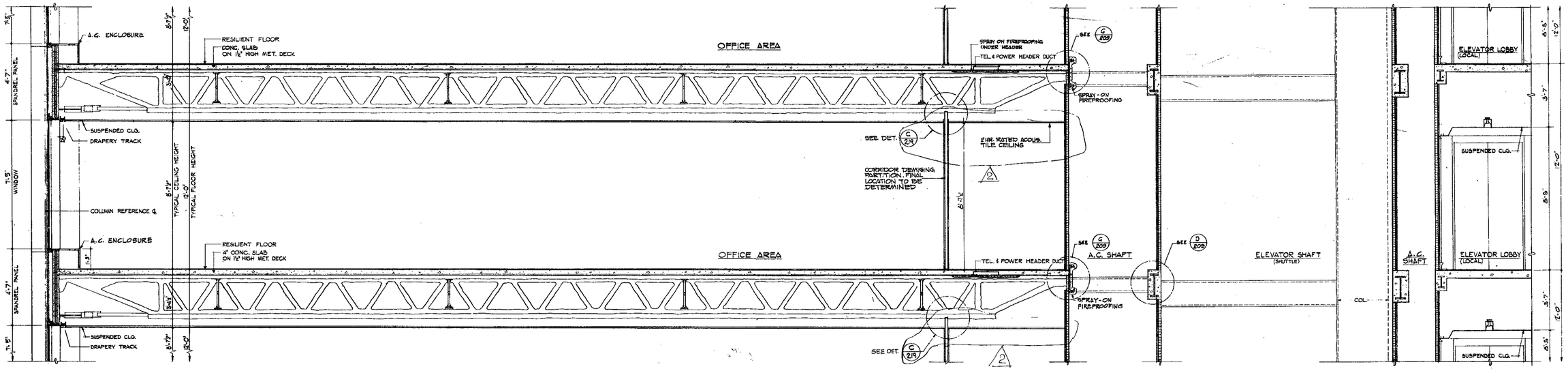
MINORU YAMASAKI, ARCHITECT

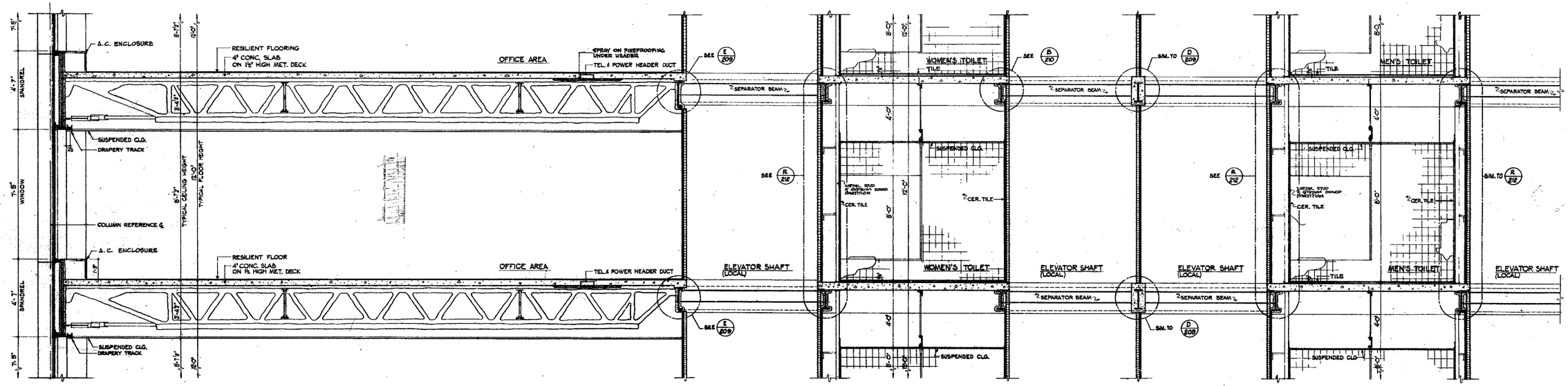
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

CROSS SECTION THRU TOWER

A-AB-201



A/202 TYPICAL SECTION THRU LONG SPAN TRUSS AREA.
SCALE: ½"=1'-0".



B/202 TYPICAL SECTION THRU SHORT SPAN TRUSS AREA.
SCALE: ½"=1'-0".

NOTE:
1. FOR LOCATION OF SECTIONS SEE DWG. Nº A-AB-37
2. SEE DWGS Nº A-AB-203 & A-AB-204 FOR DETAILS AT EXTERIOR WALL

CONTRACT BID DRAWING date 2-9-66 Tower 'A' 2-1-66 Tower 'B'

NO.	DATE	SUB. NO.	BY
1	4-1-71	1510	RJP
2	5-5-71	A-12	E.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

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MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

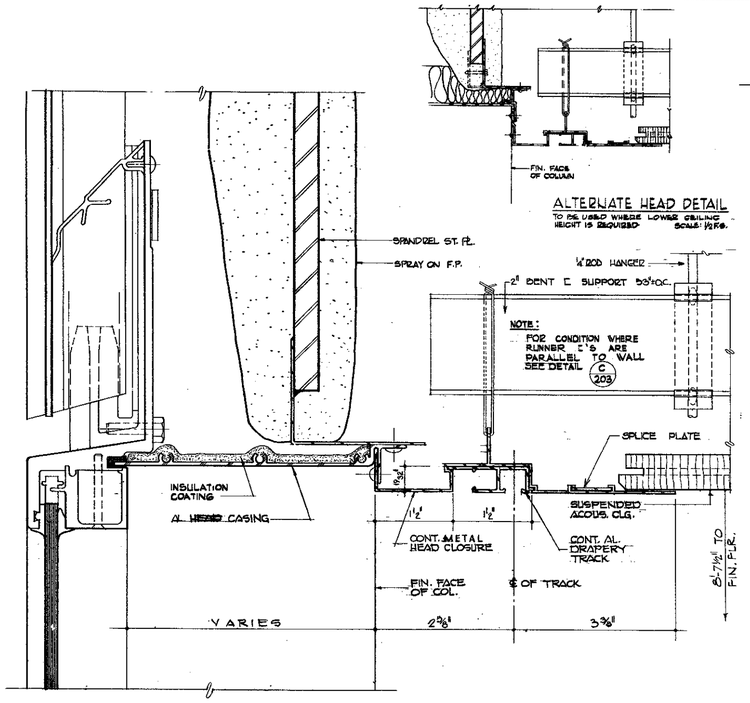
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CROSS SECTION THRU TYPICAL FLOOR

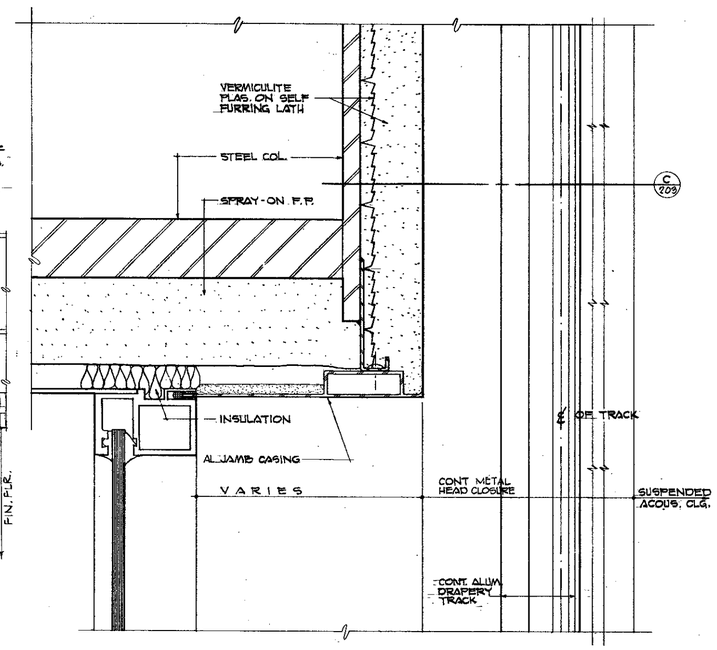
DRAWN	G. M.	CHECKED	
SCALE	½"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-202		



ALTERNATE HEAD DETAIL

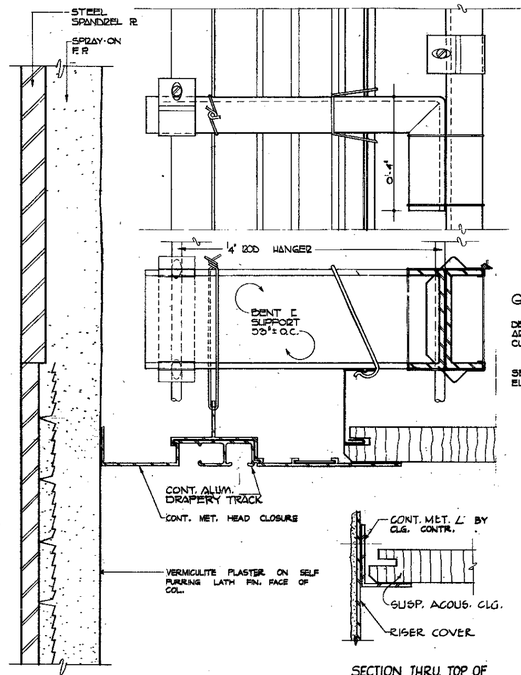
TO BE USED WHERE LOWER CEILING HEIGHT IS REQUIRED SCALE: ½"=1'-0"

HEAD



B 203 REFLECTED CEILING PLAN

JAMB



DRAPERY TRACK

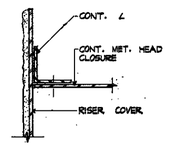
NOTE: FOR CONDITION WHERE RUNNER L'S ARE PARALLEL TO WALL SEE DET. A 203

GENERAL NOTES:

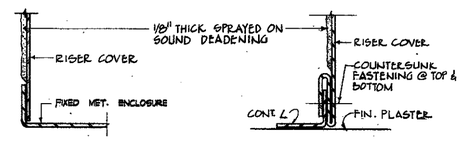
DETAILS OF INTERIOR FINISH CONNECTIONS ARE SHOWN TO MANUFACTURER'S PROPOSED CURTAIN WALL SYSTEM.

SEE DWG. Nº A-AB-304 FOR INTERIOR ELEVATIONS OF A.C. ENCLOSURE, WINDOW, ETC.

SECTION THRU. TOP OF MET. PIPE ENCLOSURE AT ACOUSTIC TILE

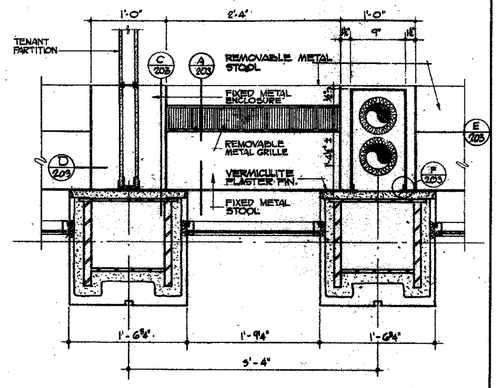


SECTION THRU. TOP OF MET. PIPE ENCLOSURE AT MET. HEAD CLOSURE



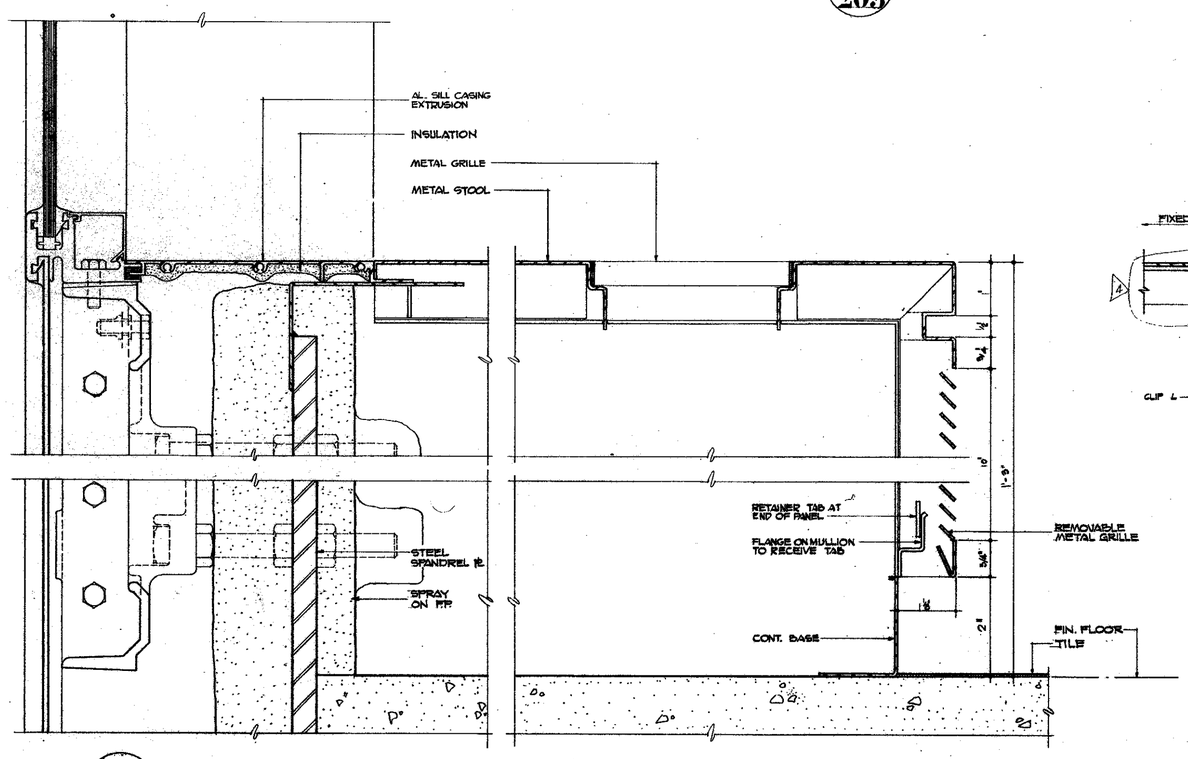
E 203 BOTTOM OF MET PIPE ENCLOSURE AT A.C. ENCLOSURE

F 203

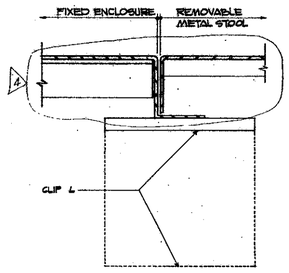


KEY PLAN

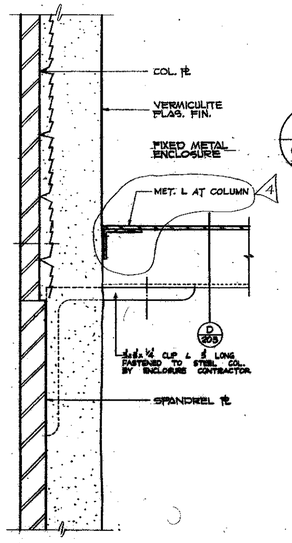
SCALE: 1"=1'-0"



A 203 SILL



DET. D 203



C 203 METAL CLOSURE

CONTRACT BID DRAWING date 2-9-66 Tower 'A' 5-1-66 Tower 'B'

FULL SIZE 0 1" 2" 3"

NO.	DATE	SUB. NO.	BY
1	7-10-14	1-67	L-J
2	11-6-20	A-2	JJ
3	6-8-65	A-3	R
4	3-21-66		M.M.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: INTERIOR FINISH DETAILS AT CURTAIN WALL

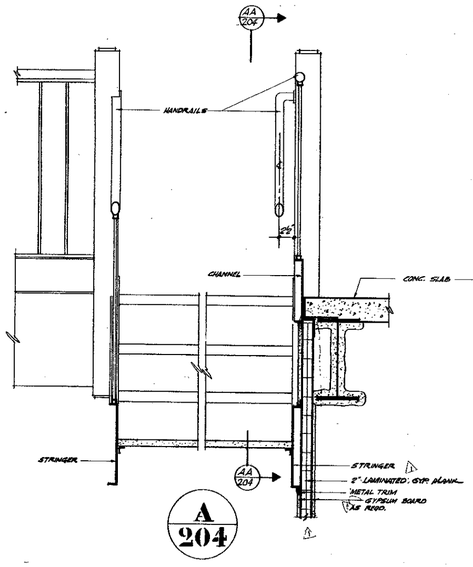
DRAWN: N.A.H. CHECKED:

SCALE: 1½"=1'-0" DATE: 7-31-67

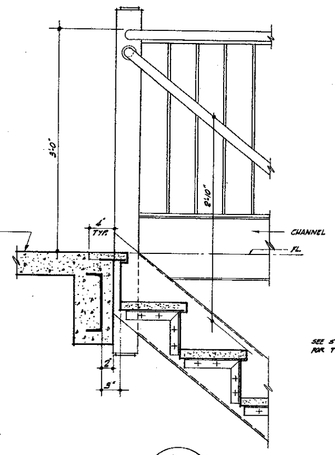
PROJECT NO. SHEET OF

REGISTERED

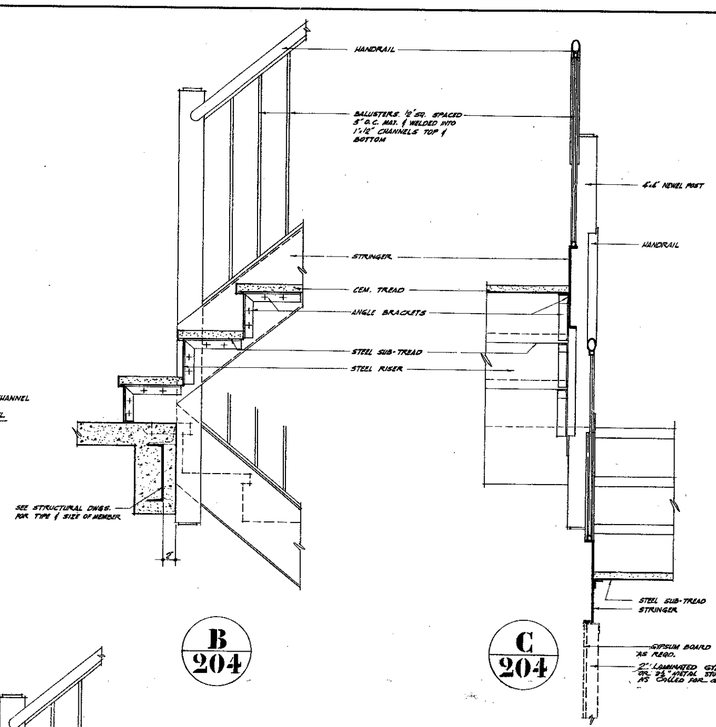
A-AB-203



A 204

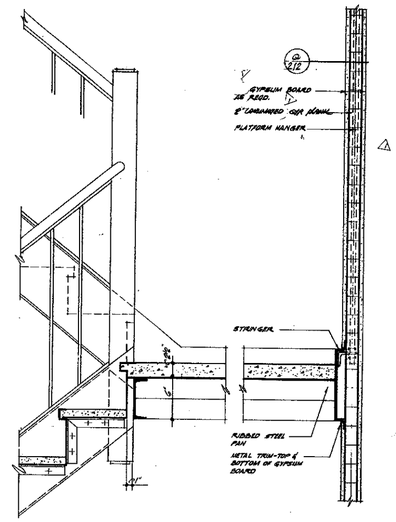


AA 204



B 204

C 204

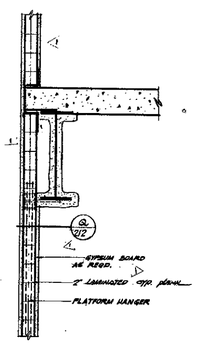


D 204

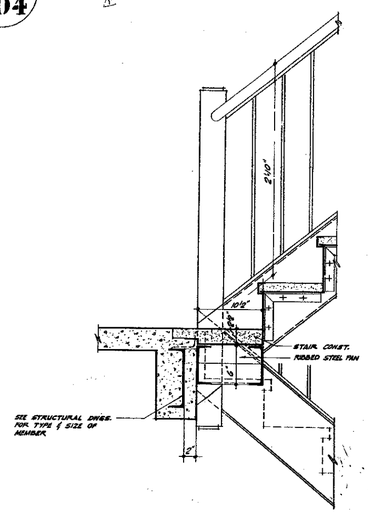
E 204

Notes:

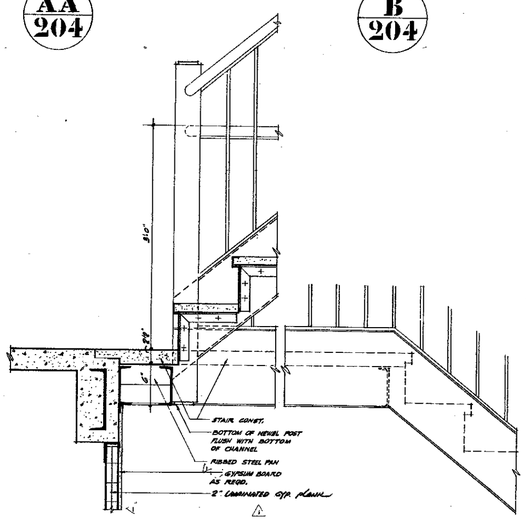
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0-1 TO A-0-9.



F 204

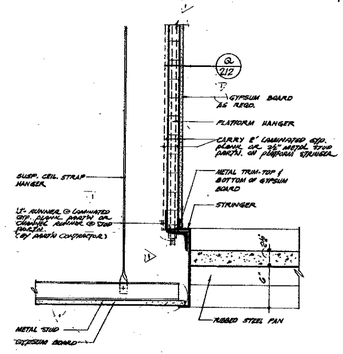


G 204

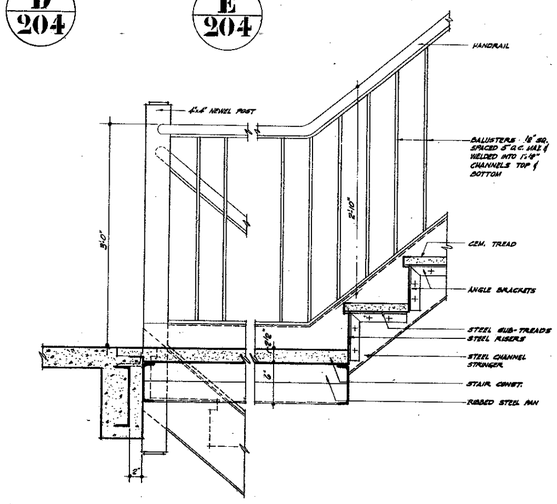


H 204

J 204

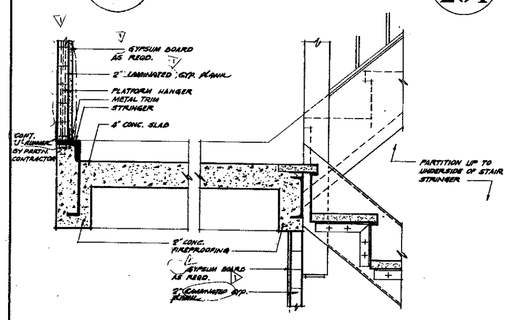


K 204



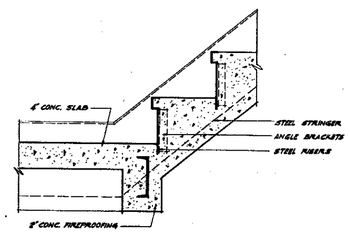
L 204

M 204



N 204

P 204



O 204

CONTRACT BID DRAWING, date 2-1-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
		5-22-69	A-K

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 8" 6" 1' 2'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

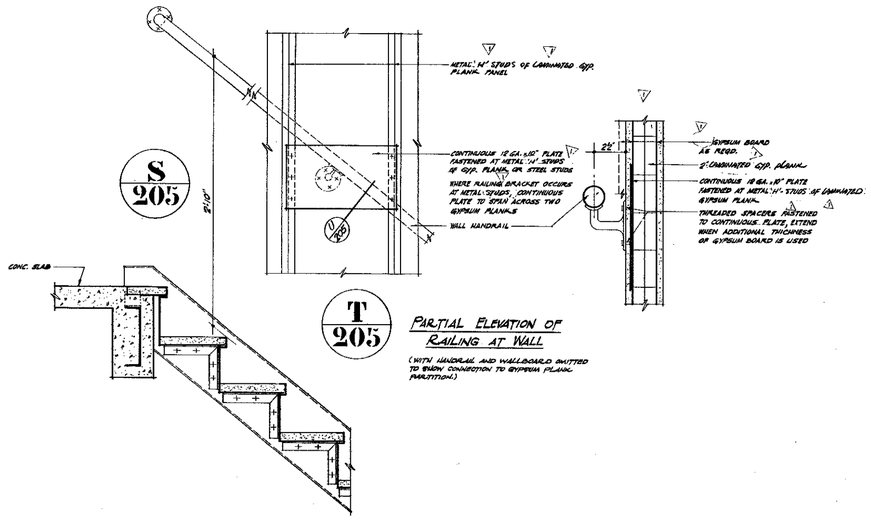
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS.

TITLE: TYPICAL STAIR DETAILS

DRAWN	G.F.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-204		

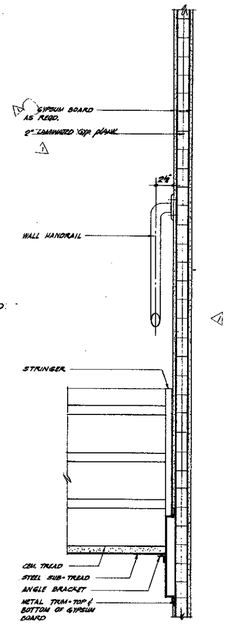


S/205

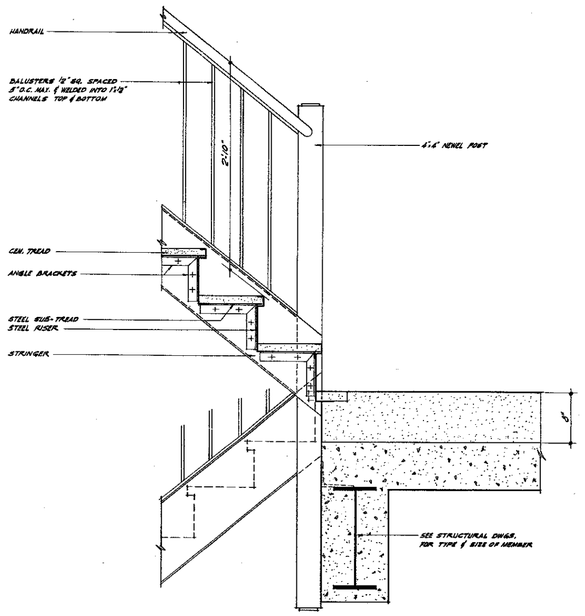
T/205

PARTIAL ELEVATION OF RAILING AT WALL

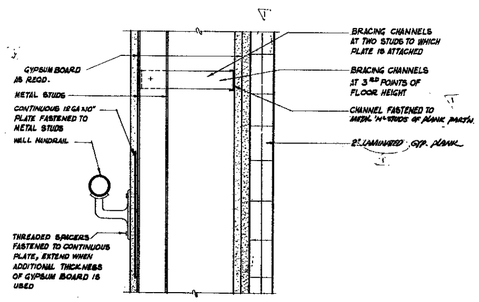
(WITH HANDRAIL AND WALLBOARD OMITTED TO SHOW CONNECTION TO GYPSUM PLANK PARTITION.)



V/205



W/205



Y/205

SCALE 3"-1'-0"

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-AB-1 TO #A-AB-6.

CONTRACT BID DRAWING date 2-9-66 TOWER 'A' 8-1-66 TOWER 'B'

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	5-25-68	A-17	P.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MONTEMURRO — NO. 019 — STATE OF NEW YORK

1½"=1'-0" 0 3" 6" 1' 2'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

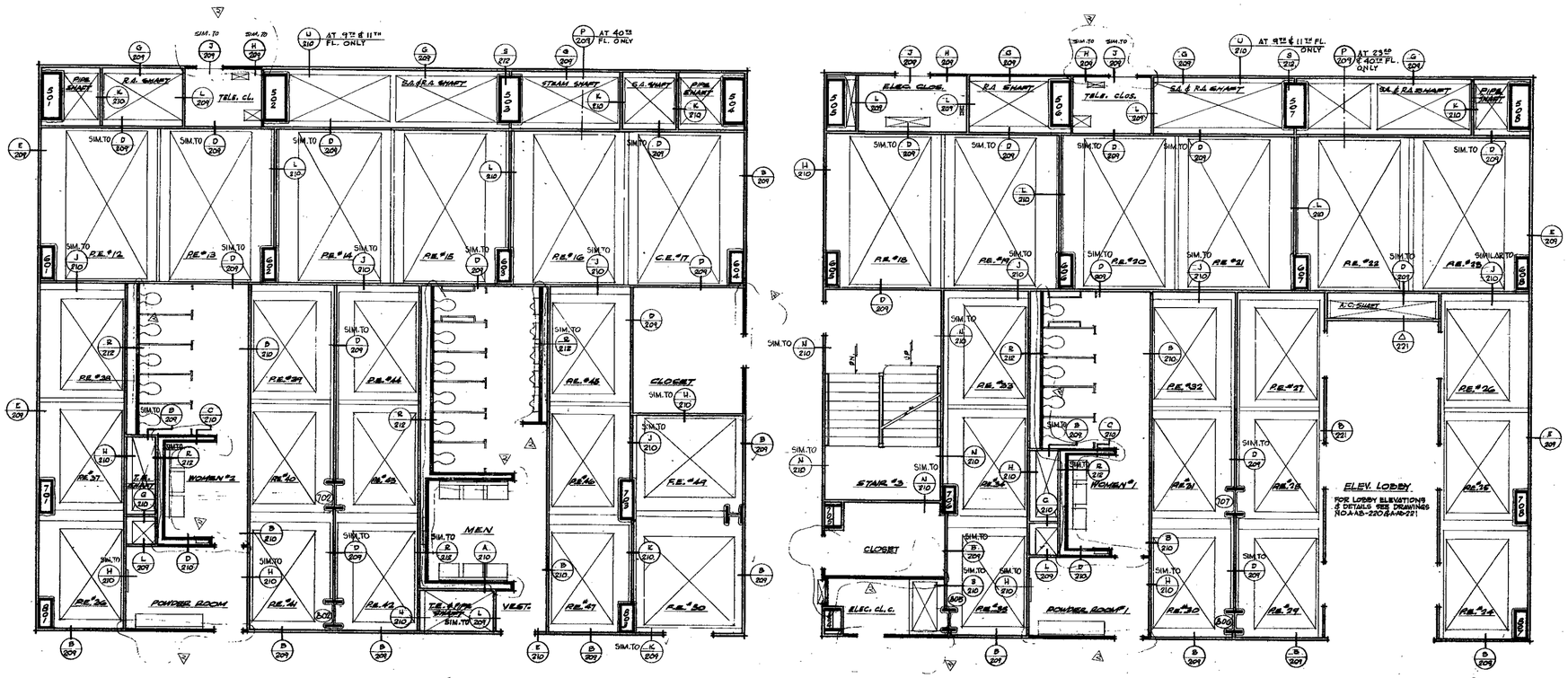
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL STAIR DETAILS

DRAWN	G.R.	CHECKED	
SCALE	1½"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-205		



NORTH

TONER 'B'

NORTH

TONER 'A'

NOTES:

1. FOR GENERAL NOTES ON GYPSUM PLANK PARTITIONS & BEAM FIREPROOFING SEE DWG. NO. A.AB-209.
2. THIS DRAWING INDICATES THE CONDITIONS FOR THE 11TH TO 16TH FLOORS, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE I. SEE INDIVIDUAL CORE PLANS FOR VARIATIONS.
3. WHERE "SIMILAR TO" IS NOTED AT A GIVEN SECTION, REFER TO CORE PLANS & FINISH SCHEDULES FOR FINISHES & PARTITION CONSTRUCTION.

CONTRACT BID DRAWING date 2-1-68 TOWER 'A' 3-1-68 TOWER 'B'

NO.	DATE	BUL. NO.	BY
5	5-25-67	A-17	K.K.
4	3-21-68		M.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 4' 8' 12'

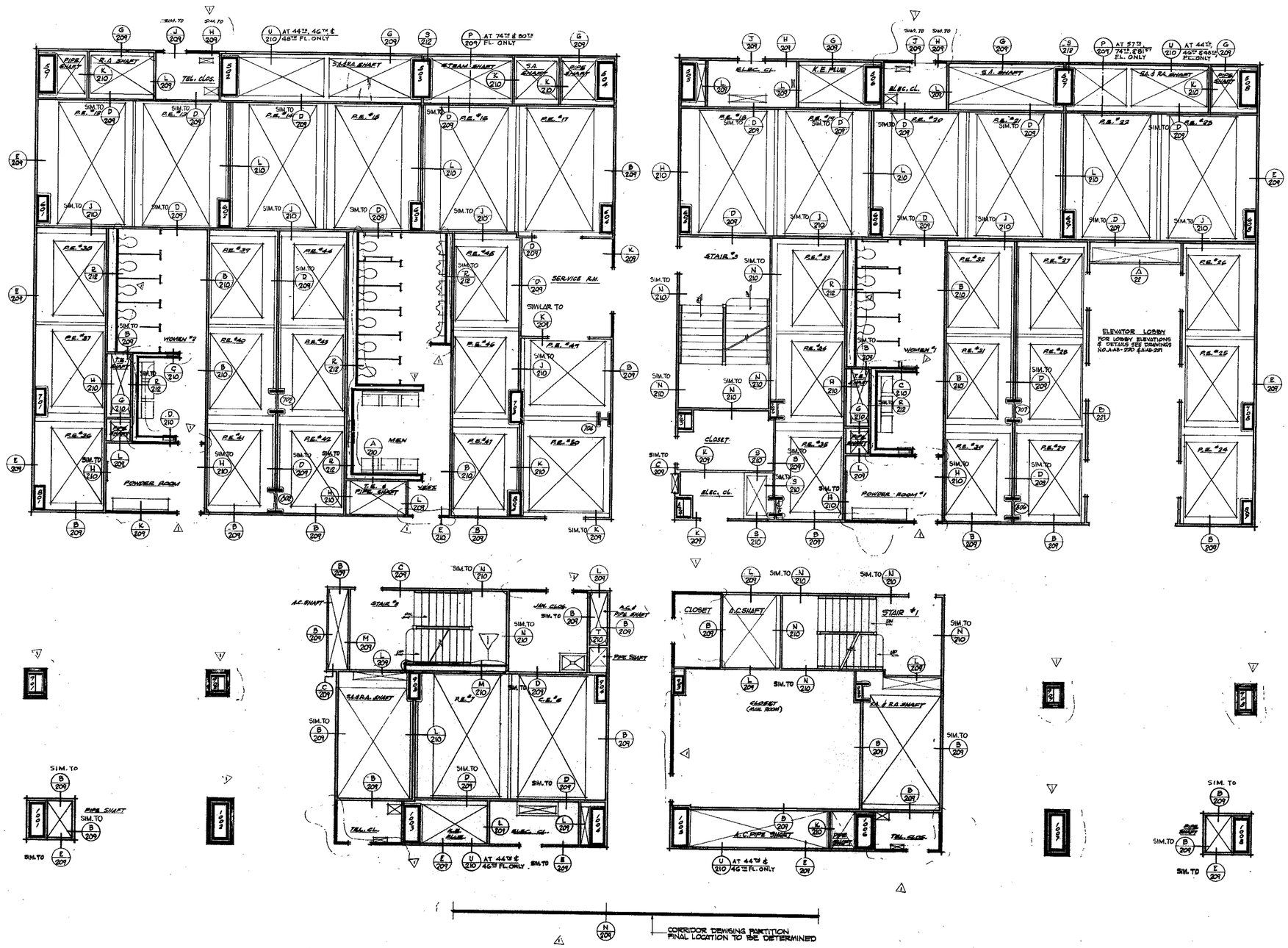
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY, PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL PARTITION & BEAM FIREPROOFING PLAN-ZONE I

DRAWN	P.G.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·206		



NORTH

TOWER 'B'

NORTH

TOWER 'A'

NOTES:

1- FOR GENERAL NOTES ON GYPSUM PLANK PARTITIONS & BEAM FIREPROOFING SEE DWG. NO. A-AB-209.

2 -THIS DRAWING INDICATES THE CONDITIONS FOR THE 50TH TO 54TH FLOORS, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE II, SEE INDIVIDUAL CORE PLANS FOR VARIATIONS.

3. WHERE "SIMILAR TO" IS NOTED AT A GIVEN SECTION REFER TO CORE PLANS & FINISH SCHEDULES FOR FINISHES & PARTITION CONSTRUCTION.

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	5-23-69	A-17	B.K.
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4 8' 12'

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

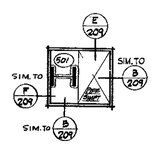
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

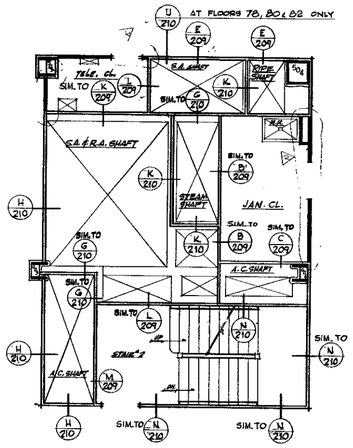
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

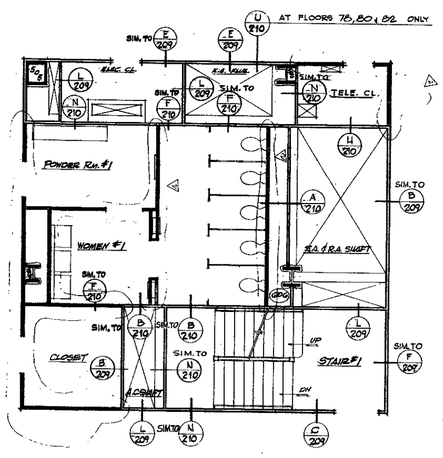
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

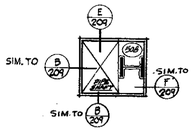
TITLE: TYPICAL PARTITION & BEAM FIREPROOFING PLAN-ZONE II

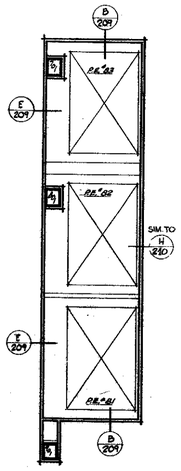
DRAWN	P.G.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-207		

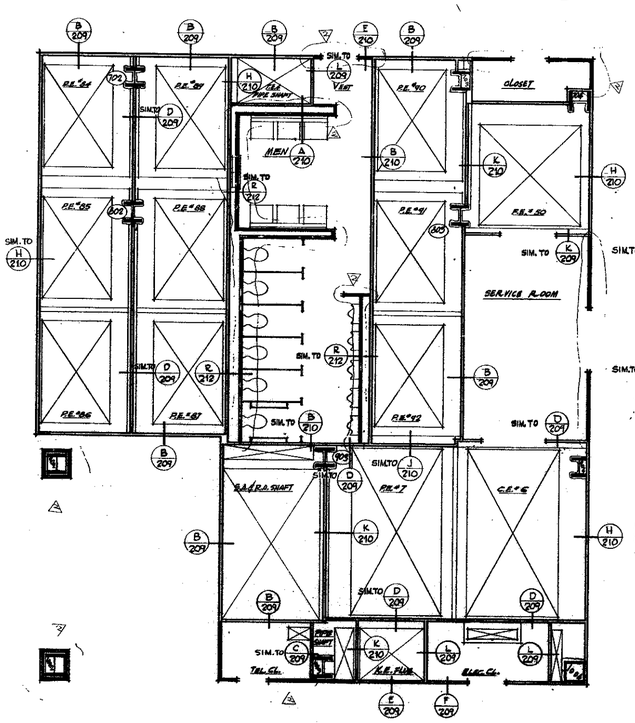


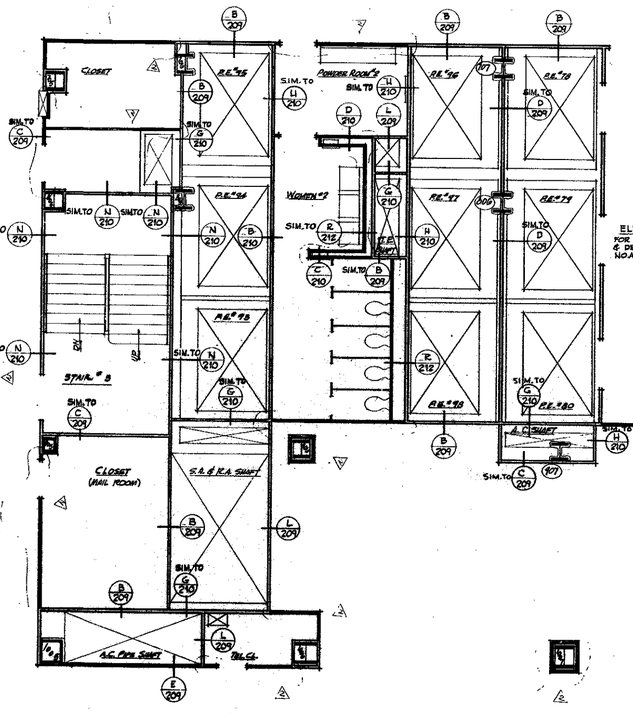


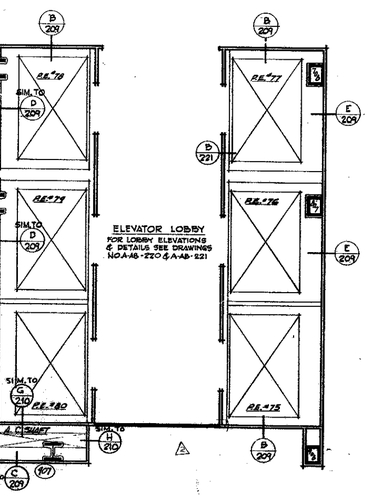


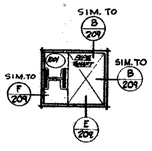


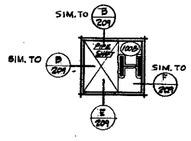




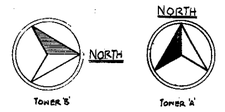








N 209 — CORRIDOR, DEMISING PARTITION FINAL LOCATION TO BE DETERMINED



NOTES:

1- FOR GENERAL NOTES ON GYPSUM PLANK PARTITIONS & BEAM FIREPROOFING SEE DWG. NO. A-AB-209.

2-THIS DRAWING INDICATES THE CONDITIONS FOR THE 86TH TO 86TH FLOOR, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE III, SEE INDIVIDUAL CORE PLANS FOR VARIATIONS.

3. WHERE "SIMILAR TO" IS NOTED AT A GIVEN SECTION REFER TO CORE PLANS & FINISH SCHEDULES FOR FINISHES & PARTITION CONSTRUCTION.

CONTRACT 8D DRAWING date 6-7-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
1	5-23-69	A-17	R.K.
2	4-22-68	8-1	I.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"-1'-0" 0' 4' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

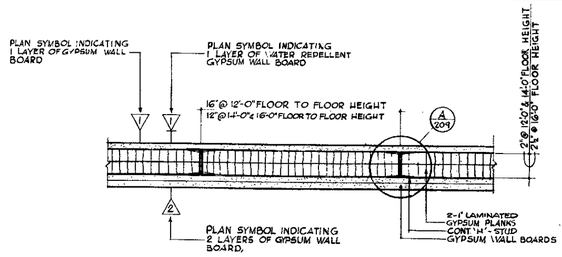
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

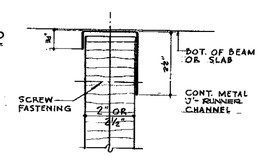
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL PARTITION & BEAM FIREPROOFING PLAN-ZONE III

DRAWN	P.G.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-208		

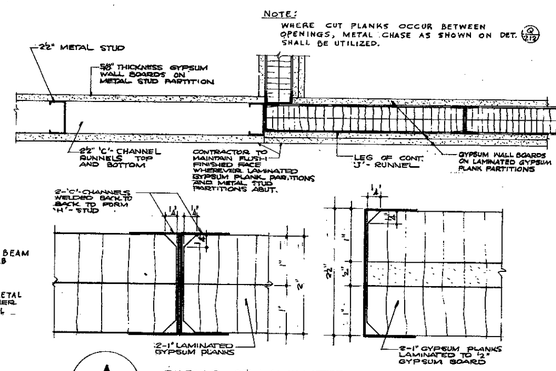


TYPICAL PLAN OF LAMINATED GYPSUM PLANK PARTITION



DETAIL FOR BOTTOM AND TOP OF PARTITIONS

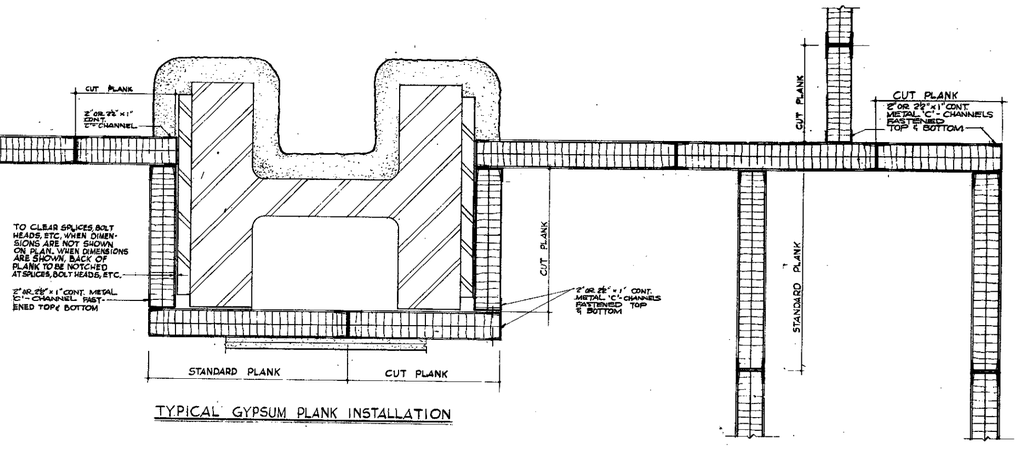
SCALE: ½ F.S.



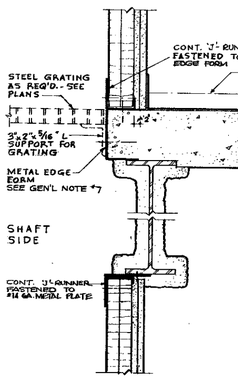
A 209

DETAILS OF LAMINATED GYPSUM PLANK

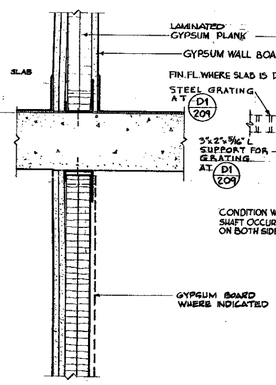
SCALE: FULL SIZE



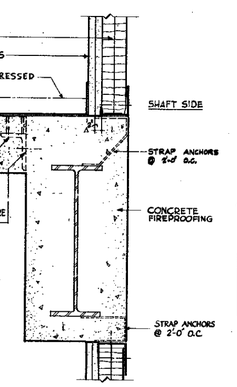
TYPICAL GYPSUM PLANK INSTALLATION



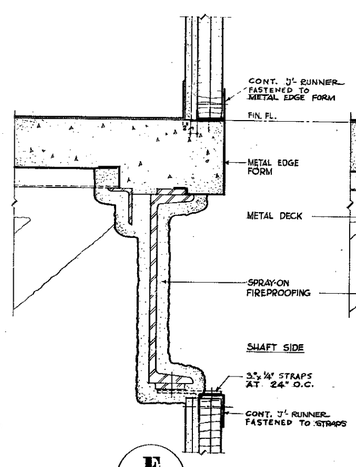
B 209



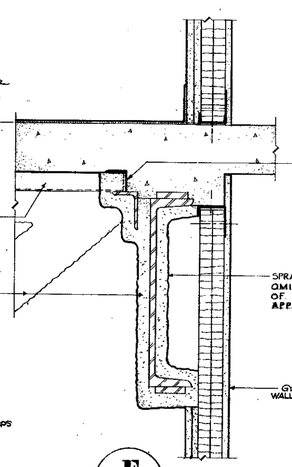
C 209



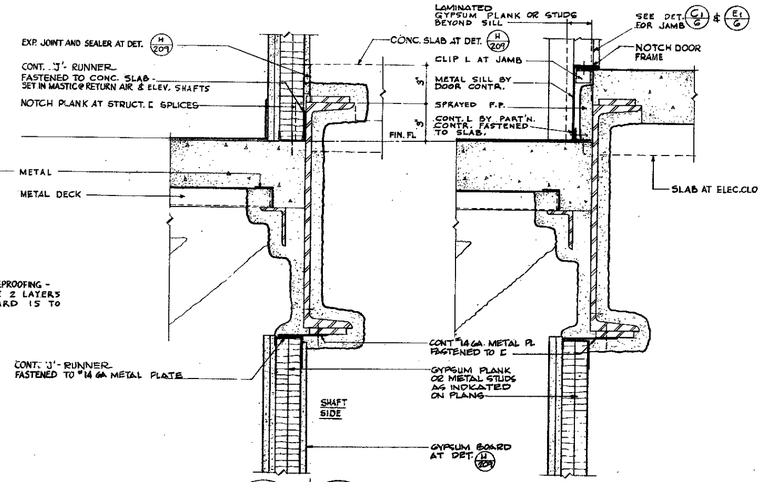
D 209 D1 209 AS NOTED



E 209



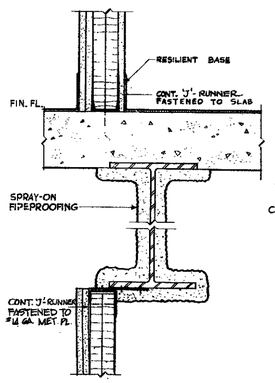
F 209



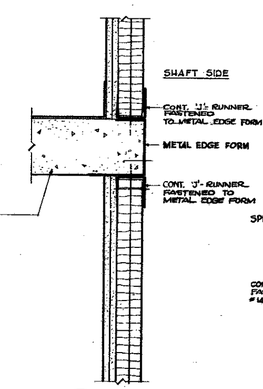
G 209 H 209 AS NOTED

J 209

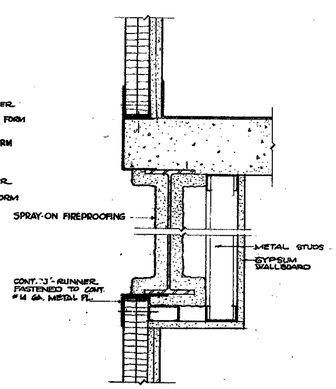
NOTE: SEE CAULKING DETAILS DWG. A-AB-212 FOR RETURN AIR & ELEVATOR SHAFTS.



K 209



L 209



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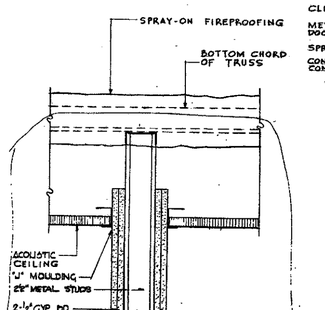

N 209

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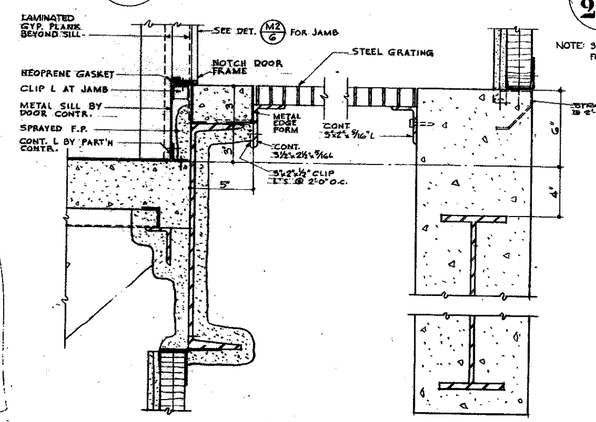
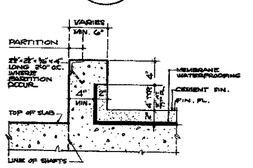


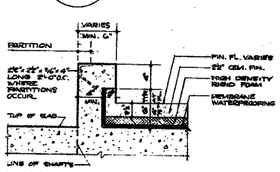
P 209

GENERAL NOTES

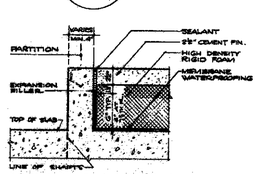
1. THE NUMBER OF GYPSUM WALL BOARD LAYERS SHOWN ON DETAILS MAY VARY. SEE CORE PLANS FOR ACTUAL CONDITIONS.
2. A MINIMUM OF 2 LAYERS OF GYPSUM WALLBOARD SHALL EXTEND TO THE UNDERSIDE OF THE SLAB OR BEAM ABOVE.
3. LAMINATED GYP. PLANK PARTITIONS AROUND ALL RETURN AIR & ELEV. SHAFTS SHALL BE CAULKED. FOR TYPICAL CAULKING DETAILS SEE DWG. NO. A-AB-212. (DETAILS 'L', 'M', 'N', 'P', 'S', 'T', & 'U')
4. CONTINUOUS METAL 'J'-RUNNERS SUPPORTING LAMINATED GYP. PLANK TOP & BOTTOM ARE GENERALLY INDICATED FOR INSTALLATION OF PLANK ON THE FLOOR SIDE OF SHAFTS. THEY MAY, HOWEVER, BE REVERSED AT THE OPTION OF THE CONTRACTOR
5. SEE SPECIFICATIONS FOR SCHEDULES OF METAL GAUGES FOR 'H'-STUDS, 'J'-RUNNERS, CHANNELS, ANGLES, EDGE FORMS, ETC.
6. SEE ADDITIONAL DETAILS PERTAINING TO LAMINATED GYP. PLANK & BOARD ON EXTERIOR WALL, MAIN LOBBY, SKYLOBBIES, TYP. ELEVATOR LOBBIES, AND OTHER MISCELLANEOUS DWGS.
7. SEE ELEVATOR LOBBY DETAILS FOR CONC. SLAB EDGE FORM VARIATION.
8. SEE NOTE # 3, DWGS. # A-AB-206, 207 & 208



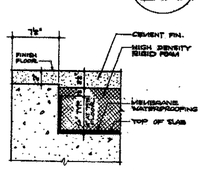
DETAIL AT PARTITIONS, STEPS AND SHAFTS



DETAIL AT RAISED FLOOR



DETAIL AT RAISED FLOORS



DETAIL AT ELEVATOR OPENINGS

TYPICAL CURB DETAILS AT MECHANICAL EQUIPMENT ROOMS

SCALE: 1½"=1'-0"

NOTES:
1. FOR VARIATIONS OF CURB WIDTHS, HEIGHTS, FINISHED FLOOR ELEVATIONS AND DENSITY OF LOCATIONS SEE INDIVIDUAL FLOOR PLANS
2. FOR METAL EDGE FORM, STRAP ANCHORS AND SHAFT FLOOR LOCATIONS SEE LAMINATED GYP. PLANK CONTRACTORS APPROVED SHOP DRAWINGS.
3. FOR ELEVATOR DOOR SILLS SEE ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS.

CONTRACT BID DRAWING date 5-9-68 Towers 'A' 3-1-68 Tower 'B'

NO.	DATE	INIT. NO.	BY
1	4-1-71	A-56	LUIS
2	5-10-70	A-47	R.H.
3	5-21-69	A-37	E.J.
4	5-15-69	A-17	E.J.
5	3-21-68		M.W.

REVISIONS

NO.	DATE	INIT. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

0 1' 2" 3" 4" 5" 6" 8" 1'-0"

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

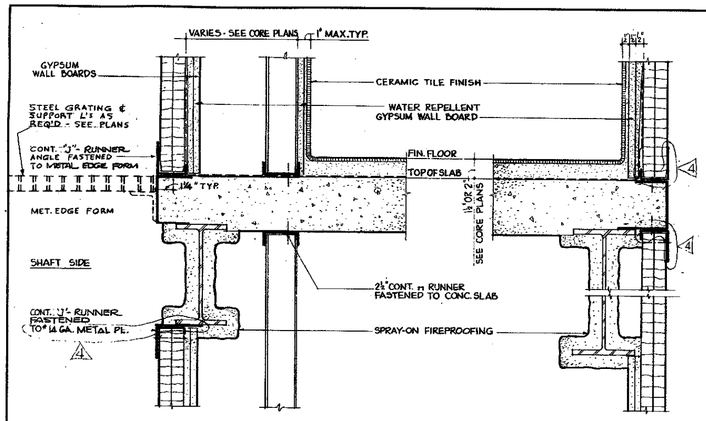
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

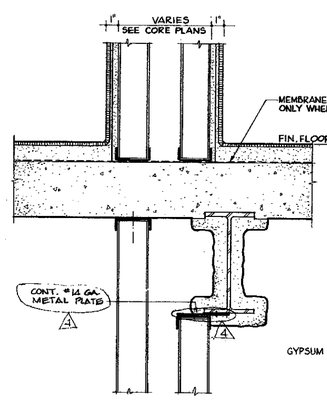
TITLE: TYPICAL PARTITION & BEAM FIREPROOFING & MISC. INTERIOR DETAILS

DRAWN	A.B.	CHECKED	
SCALE	REDUCED FROM 1"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-209		

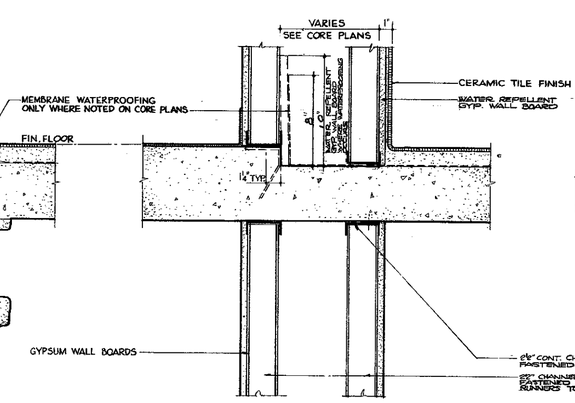


A 210

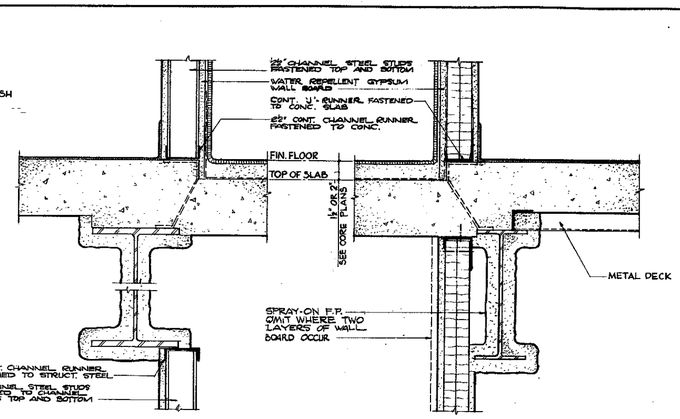
B 210



C 210

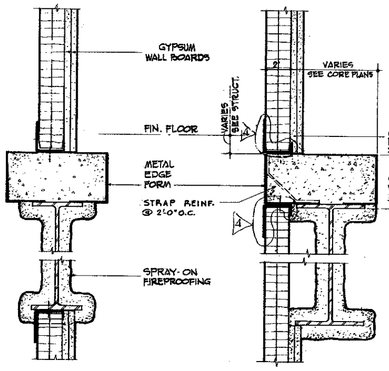


D 210



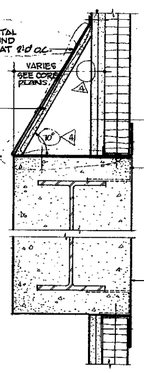
E 210

F 210



G 210

H 210



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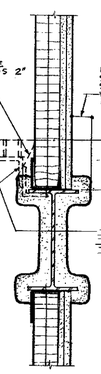

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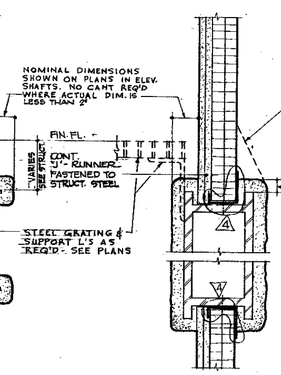

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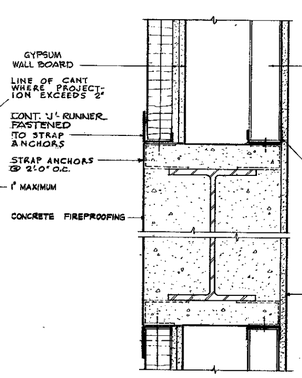
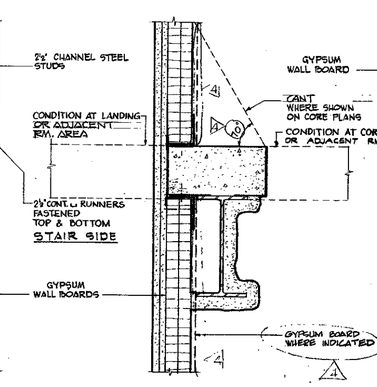


M 210



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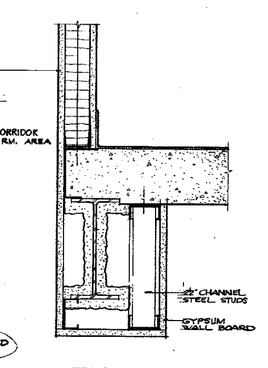
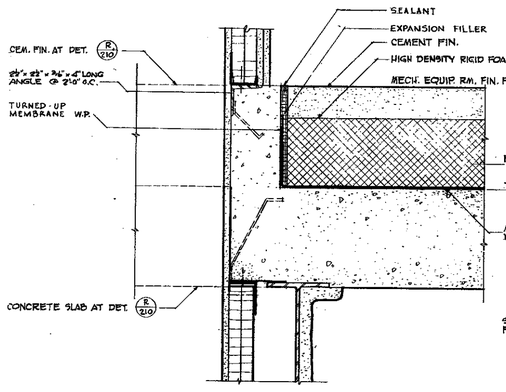
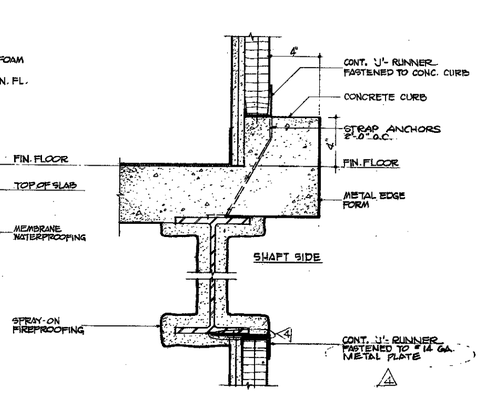


P 210



Q 210

R 210 AS NOTED



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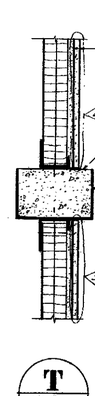
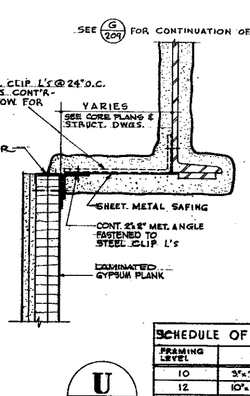


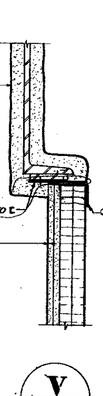
T 210



U 210

SCHEDULE OF CLIP L's

FRAMING LEVEL	SIZE	
10	3"x3"x¼"	
12	10"x3"x⅜"	2
45	4"x3"x¼"	
47	8"x3"x½"	
49	7"x3"x⅜"	
79	13"x3"x⅜"	
81	9"x3"x½"	
85	36"x3"x¼"	2



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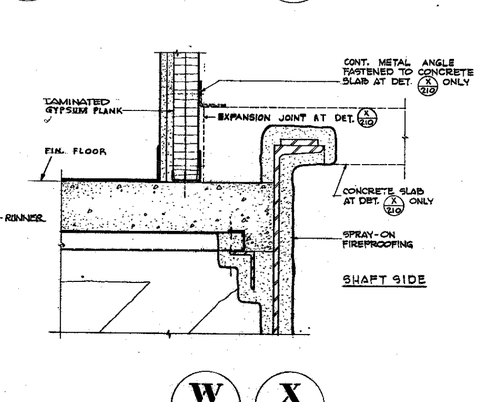


W 210

X 210 AS NOTED

NOTES

1 - FOR GENERAL NOTES ON LAMINATED GYP. PLANK PARTITIONS & BEAM FIREPROOFING SEE DWG. NO. A-AB-209

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
3	5-16-70	A-67	Q.H.
2	5-23-69	A-17	R.K.
1	4-22-68	A-3	I.S.
	3-21-68	A-1	M.W.

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

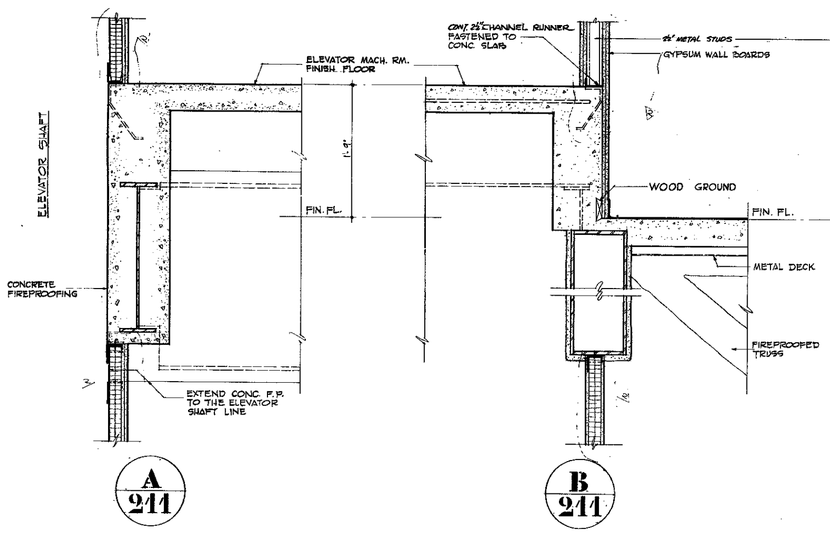
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 8"

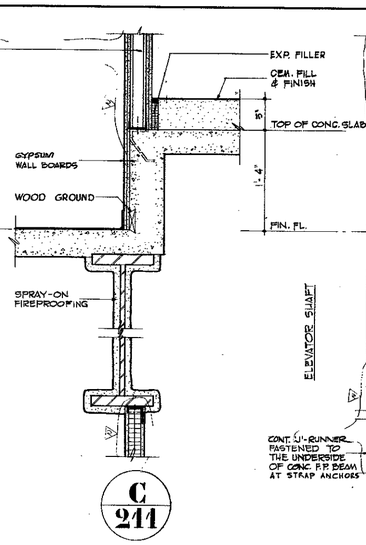
TITLE: TYPICAL PART. BEAM FIREPROOFING & MISC. INTERIOR DETAILS

DRAWN	P.E.D. & A.N.	CHECKED	
SCALE	3" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-210		

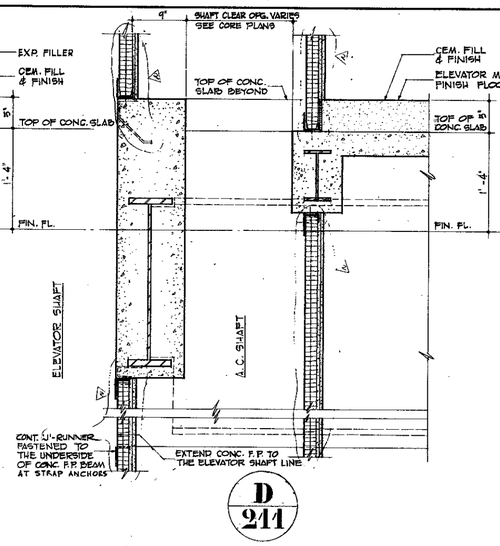


A 211

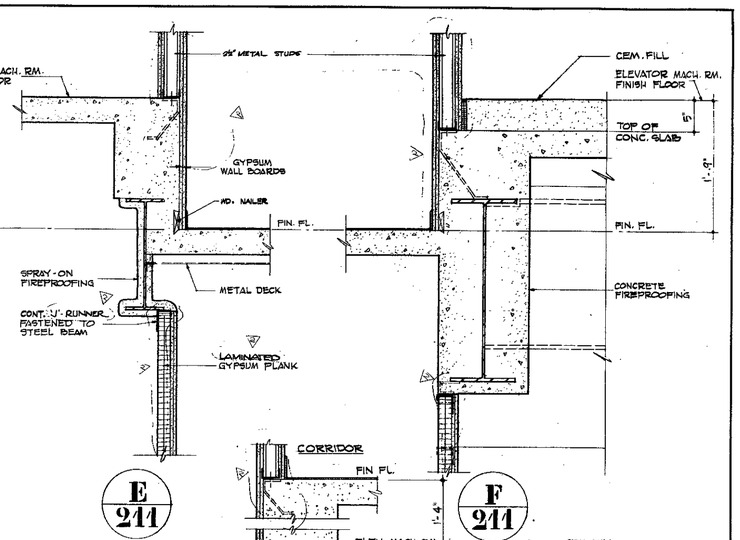
B 211



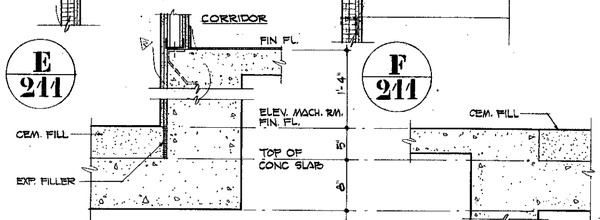
C 211



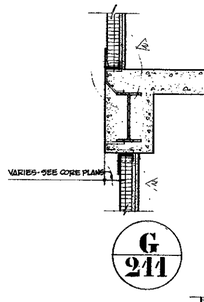
D 211



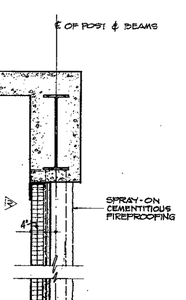
E 211 F 211



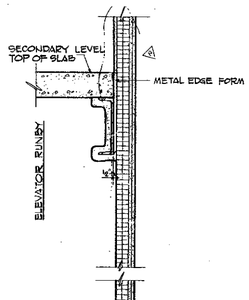
P 211 Q 211



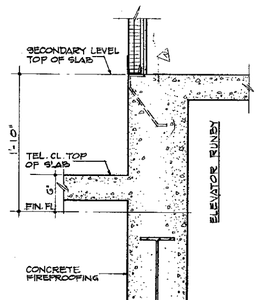
G 211



J 211



K 211



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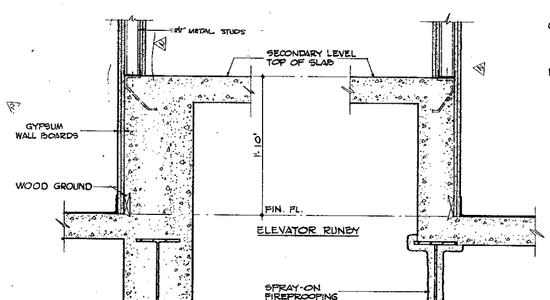
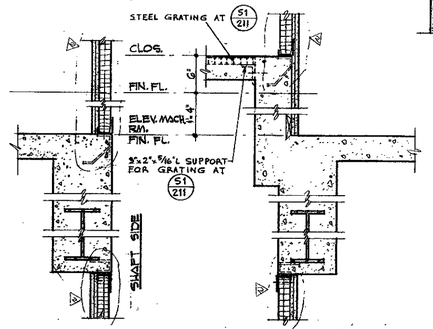
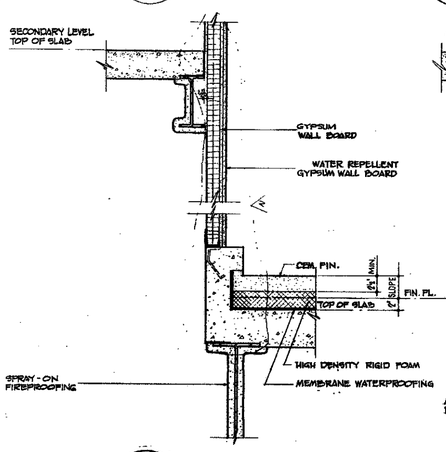


M 211 N 211



R 211 S 211 S 1 211 AS NOTED



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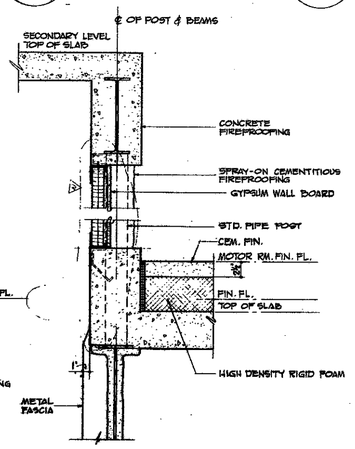

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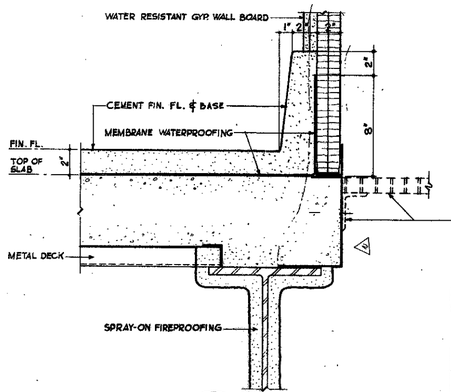
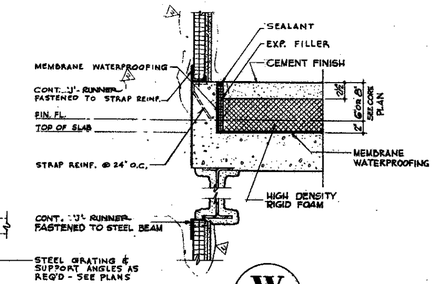


V 211

SCALE : 3"-1'-0"



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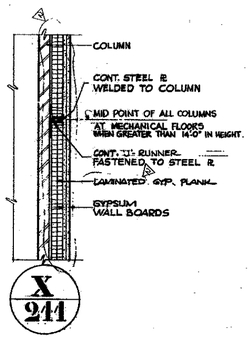

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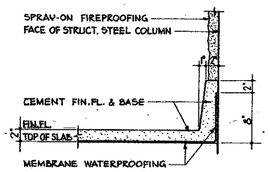

Y 211 BASE DETAIL OF EXPOSED COLUMNS AT MECH. FLOORS

NOTES

1 - FOR GENERAL NOTES ON LAMINATED GYP. PLANK & BEAM FIREPROOFING SEE DWG. NO. A-AB-209

1½"=1'-0" 0 3" 6" 1' 2'

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
1	5-13-69	A-17	E.K.
2	8-20-68	A-18	E.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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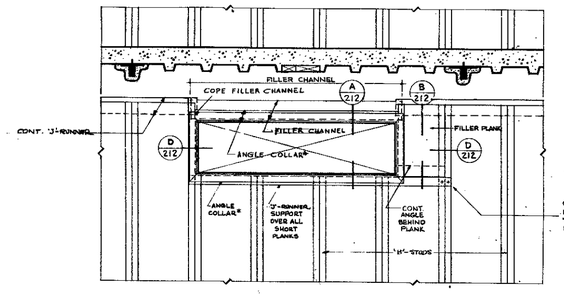
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

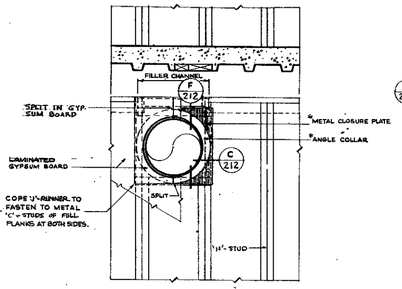
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

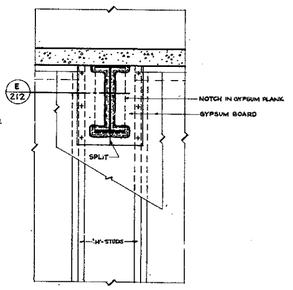
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL PART. BEAM FIREPROOFING & MISC. INTERIOR DETAILS

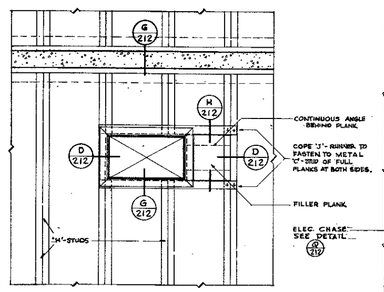
DRAWN	A.H.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-211		







BEAM

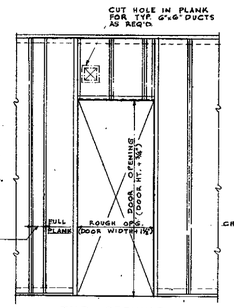


DUCT

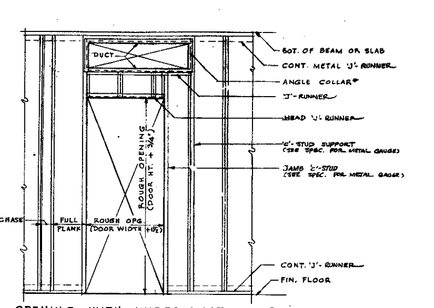
DUCT PENETRATIONS INTO TENANT SPACES

SCALE: 1"= 1'-0"

NOTE: PENETRATIONS OF TOILET EXHAUST DUCTS SIMILAR TO RECTANGULAR CONDITION ABOVE.



TYP. OPENING



OPENING WITH WIDER DUCT ABOVE

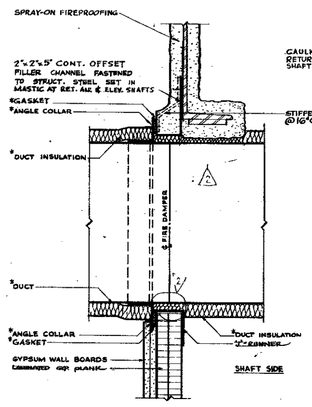
PENETRATIONS INTO CORRIDORS

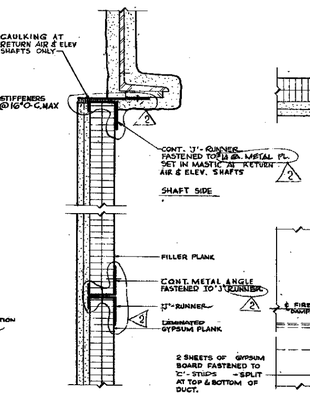
SCALE: 1"=1'-0"

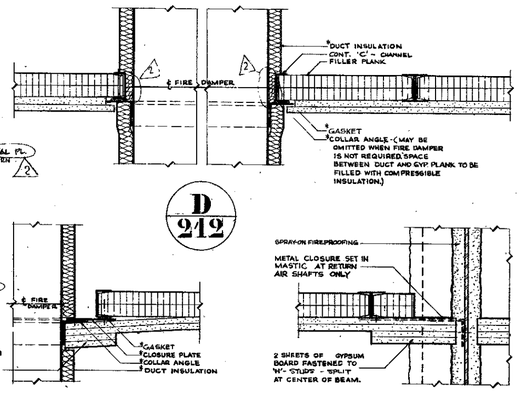
DOOR OPENINGS

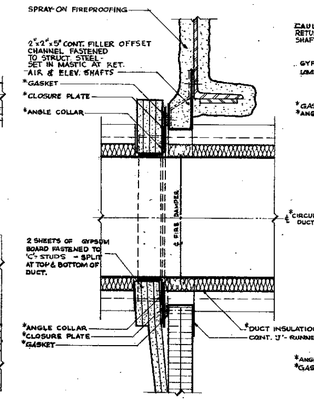
SCALE: ½"=1'-0"

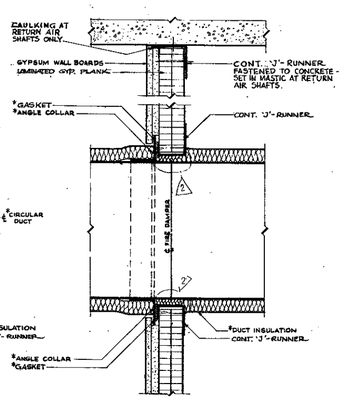
NOTE: 1. SEE DWG. NO. A-AD6 FOR JAMB & HEAD DETAILS.
2. ALL DOOR OPENINGS MUST HAVE FULL PLANK PANEL ADJACENT TO FRAME. WHERE ONLY ONE FULL PANEL CAN OCCUR, IT SHALL BE ON LATCH SIDE OF DOOR.

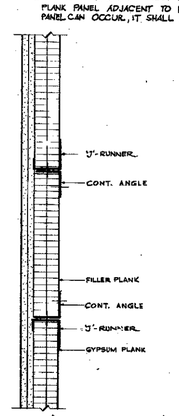


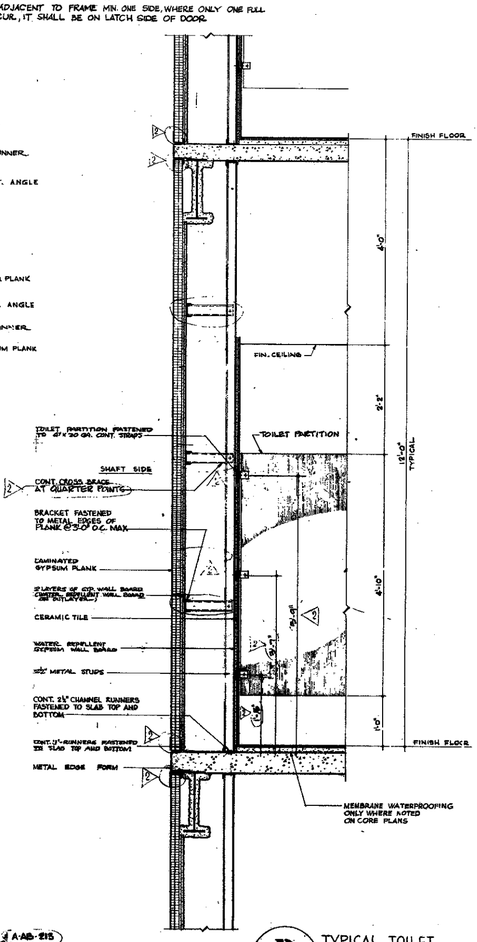








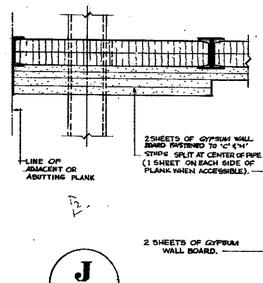




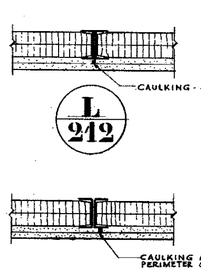
SECTION

R/212 TYPICAL TOILET FURRED PARTITION DETAIL

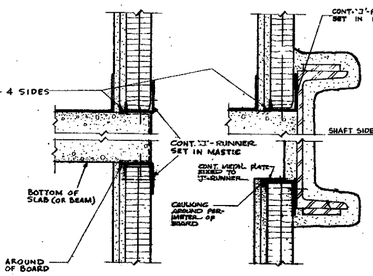
SCALE: 1"=1'-0"

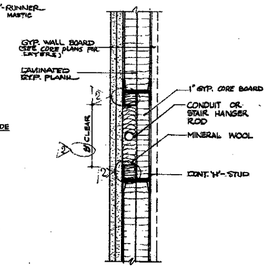


J/212

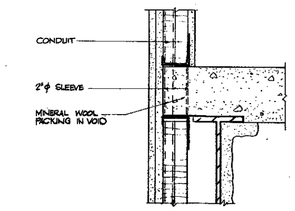


L/212

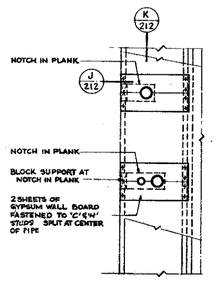




TYP. DETAIL

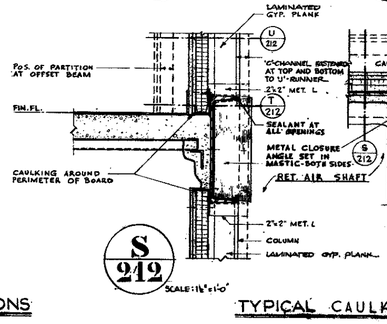


V/212 TYPICAL CONDUIT

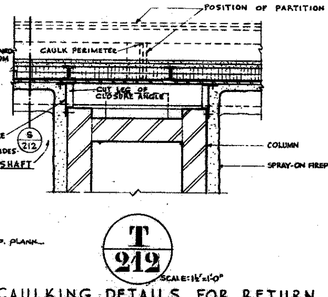


PIPE PENETRATIONS

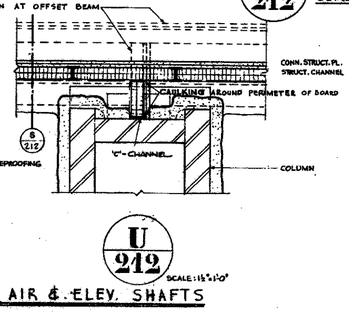
SCALE: 1"=1'-0"



S/212 SCALE: 1½"=1'-0"



T/212 SCALE: 1½"=1'-0"



U/212 SCALE: 1½"=1'-0"

TYPICAL CAULKING DETAILS FOR RETURN AIR & ELEV. SHAFTS

1. SPRAYED FIREPROOFING OMITTED AROUND CERTAIN AREAS FOR ILLUSTRATION PURPOSES ONLY.
2. DETAILS "L", "M", "P", "S", "T" & "U" APPLY TO RETURN AIR & ELEVATOR SHAFT CAULKING. SEE DWG. NO. A-AD-210 FOR OTHER CAULKING DETAILS.

O/212 DETAIL OF CHASE FOR ELEC. CONDUITS & STAIR HANGERS

NOTES:

1. FOR GENERAL NOTES ON LAMINATED GYP. PLANK, PARTN'S & BEAM FIREPROOFING SEE DWG. A-AB-201 & A-AB-215
2. EXCEPT AS OTHERWISE NOTED ELEVATIONS INDICATE ONLY THE GYPSUM PLANK. BEFORE LAYERS OF GYPSUM BOARD, SPRAYED FIREPROOFING & DUCT INSULATION ARE APPLIED.
3. FULL HEIGHT GYPSUM PLANKS SHOWN ADJACENT TO DUCT CONDITIONS ARE INDICATED AS FULL 12" WIDTHS. SPLIT PLANKS MAY BE SUBSTITUTED AS REQUIRED.
4. CONDITION AT BEAM PENETRATION IS SHOWN FOR PARTITIONS ENCLOSING STAIRS, SHAFTS, CORRIDORS & CORE PERIMETER. 2 SHEETS OF SPLIT GYP. BD. MAY BE OMITTED AT OTHER PARTITIONS.
5. ITEMS INDICATED WITH AN ASTERISK(*) SHALL BE FURNISHED AND INSTALLED BY H&V CONTRACTOR.
6. SEE ADDITIONAL DETAILS PERTAINING TO GYPSUM PLANK ON EXTERIOR WALL & MAIN LOBBY SKYLOBBIES, AND OTHER MISCELLANEOUS DWGS.
7. SEE NOTE #5 ON DWGS # A-AB-209, 207 & 208.

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	REVISIONS	BUL. NO.	BY
A	8-16-70	A-83	36-B2	
A	5-20-67	A-17		K.K.

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

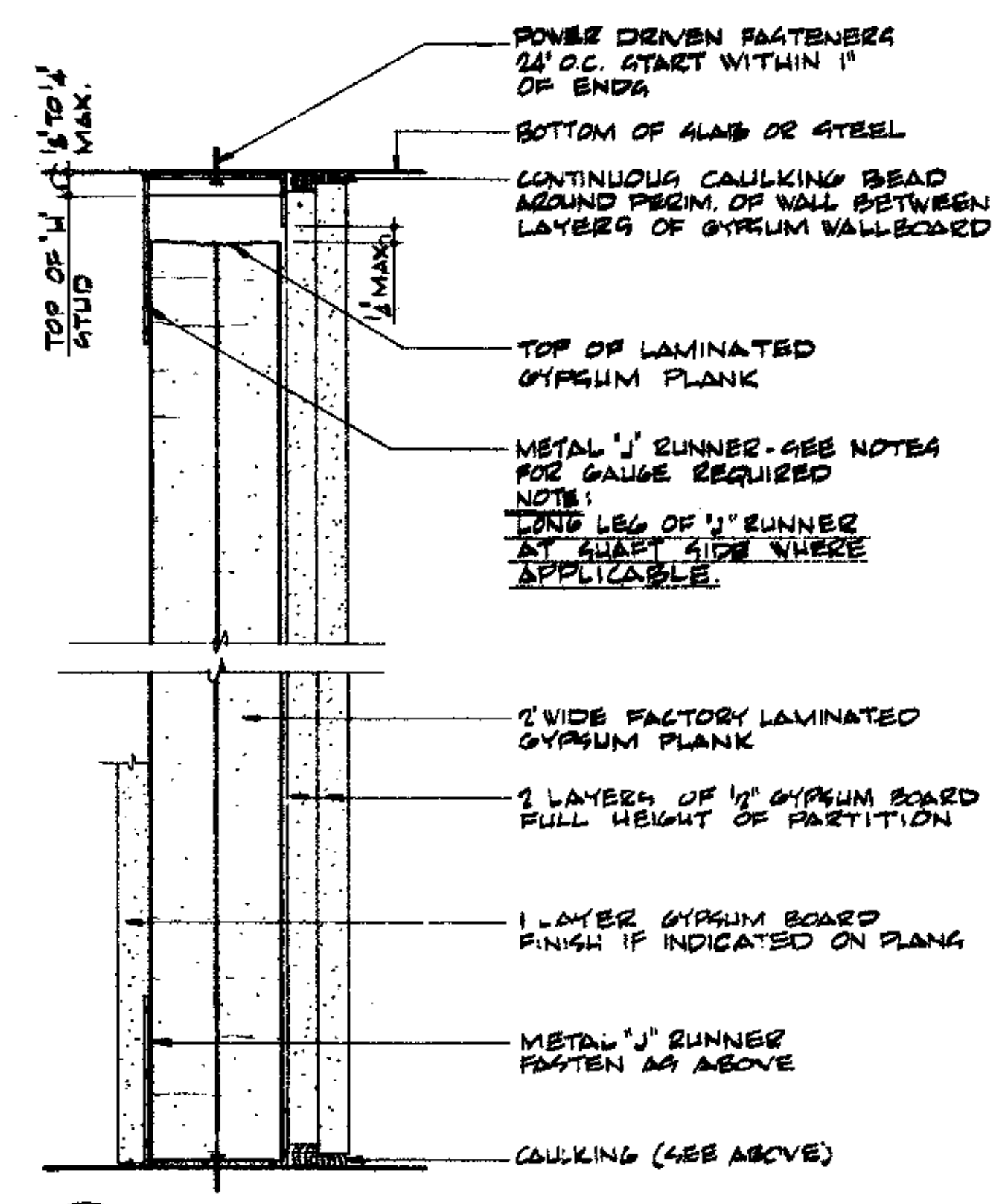
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

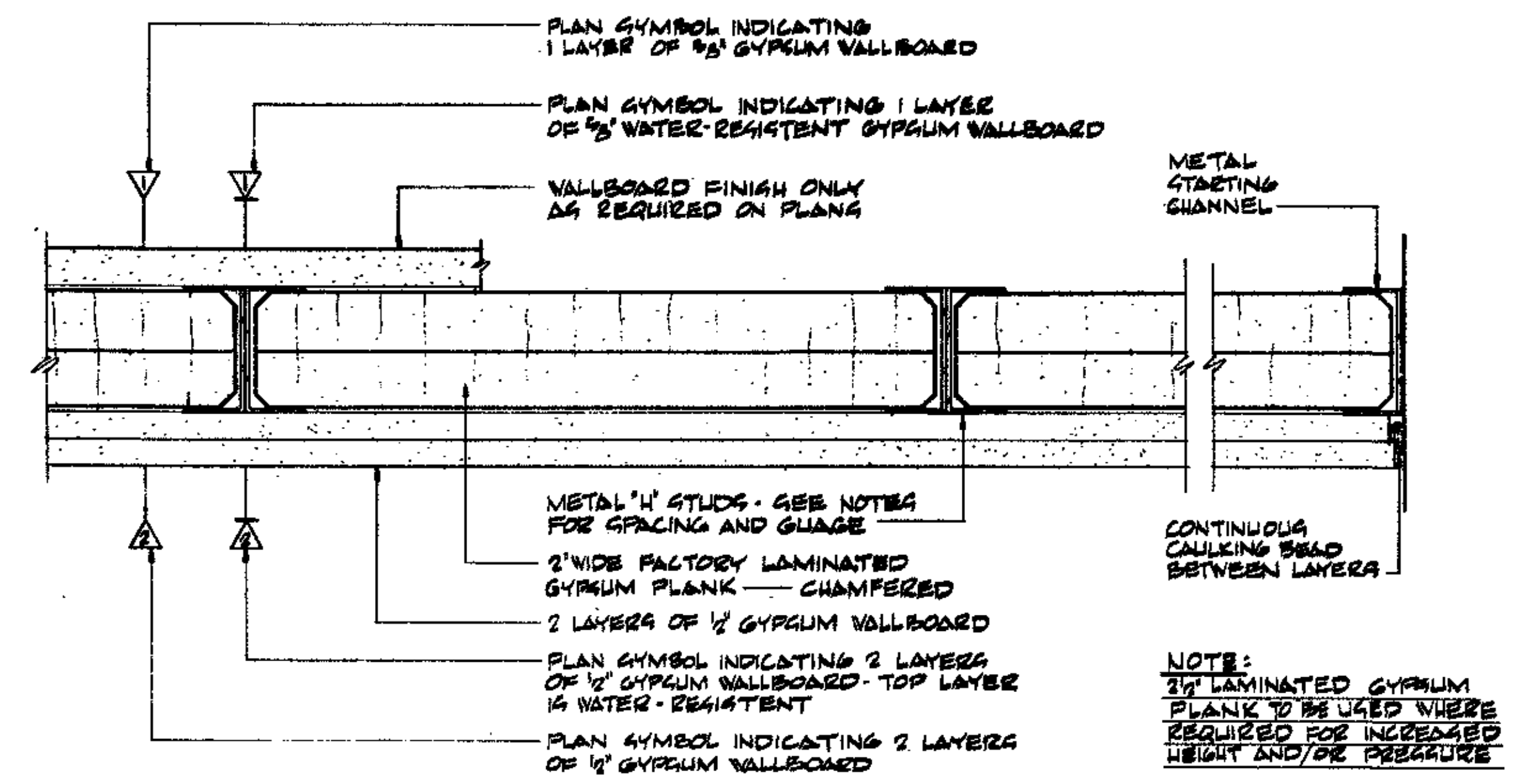
TITLE: TYPICAL PART. BEAM FIREPROOFING & MISC. INTERIOR DETAILS

DRAWN	W.R.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-212		

3"=1'-0" 0 1' 2' 3' 4' 5' 6' 9" 1'

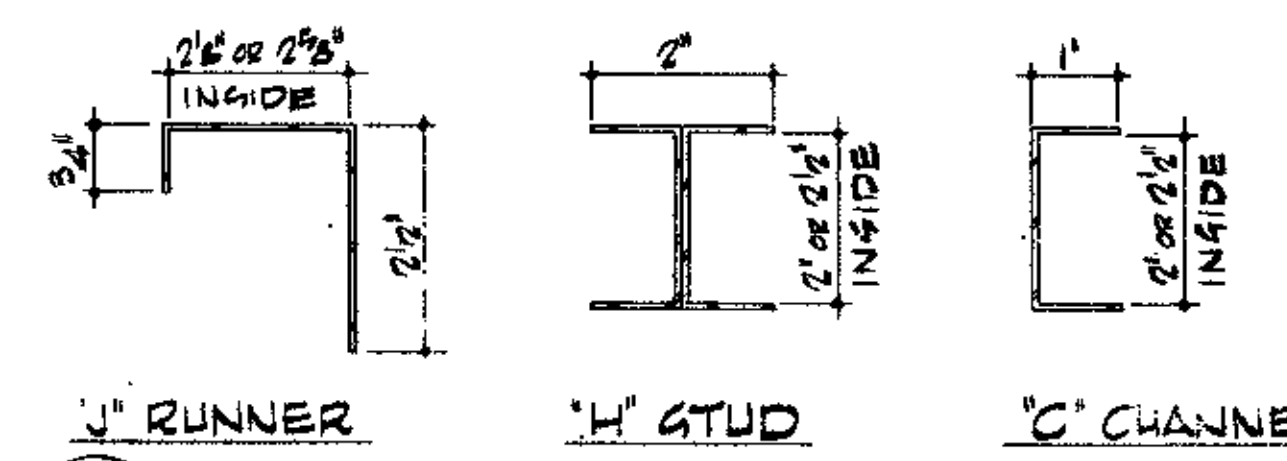


(A) TYPICAL SECTION OF LAMINATED GYPSUM PLANK
SCALE: HALF SIZE

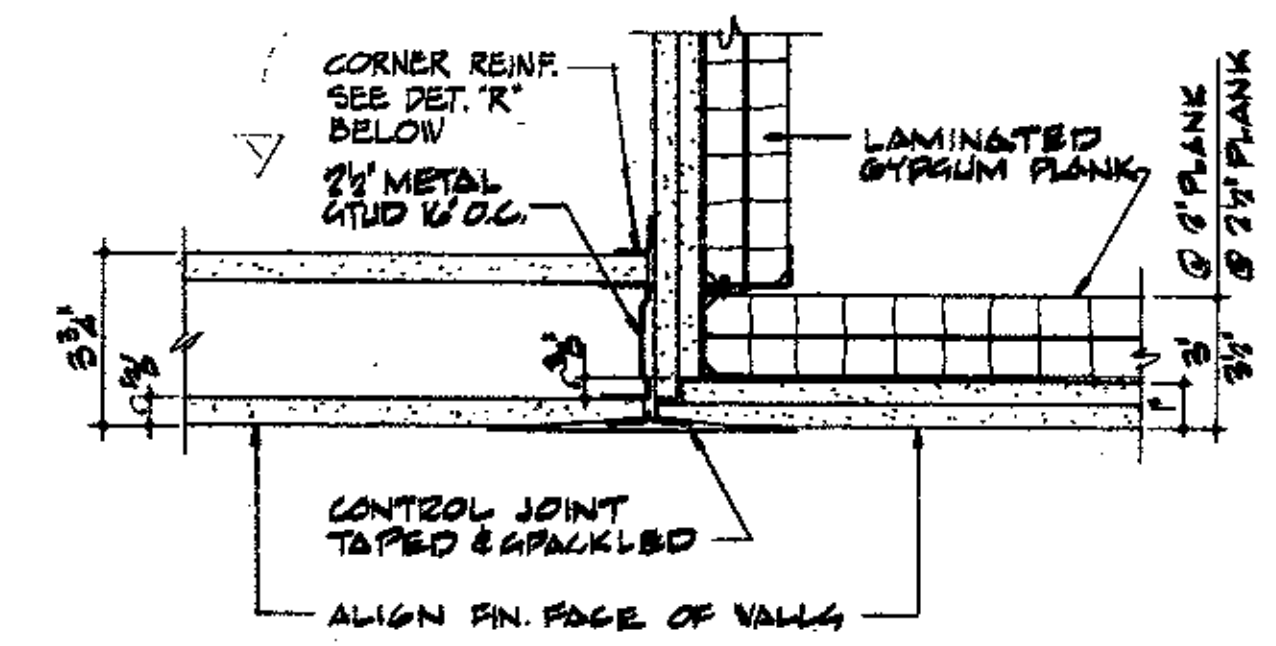


NOTE:
2½" LAMINATED GYPSUM PLANK TO BE USED WHERE REQUIRED FOR INCREASED HEIGHT AND/OR PRESSURE

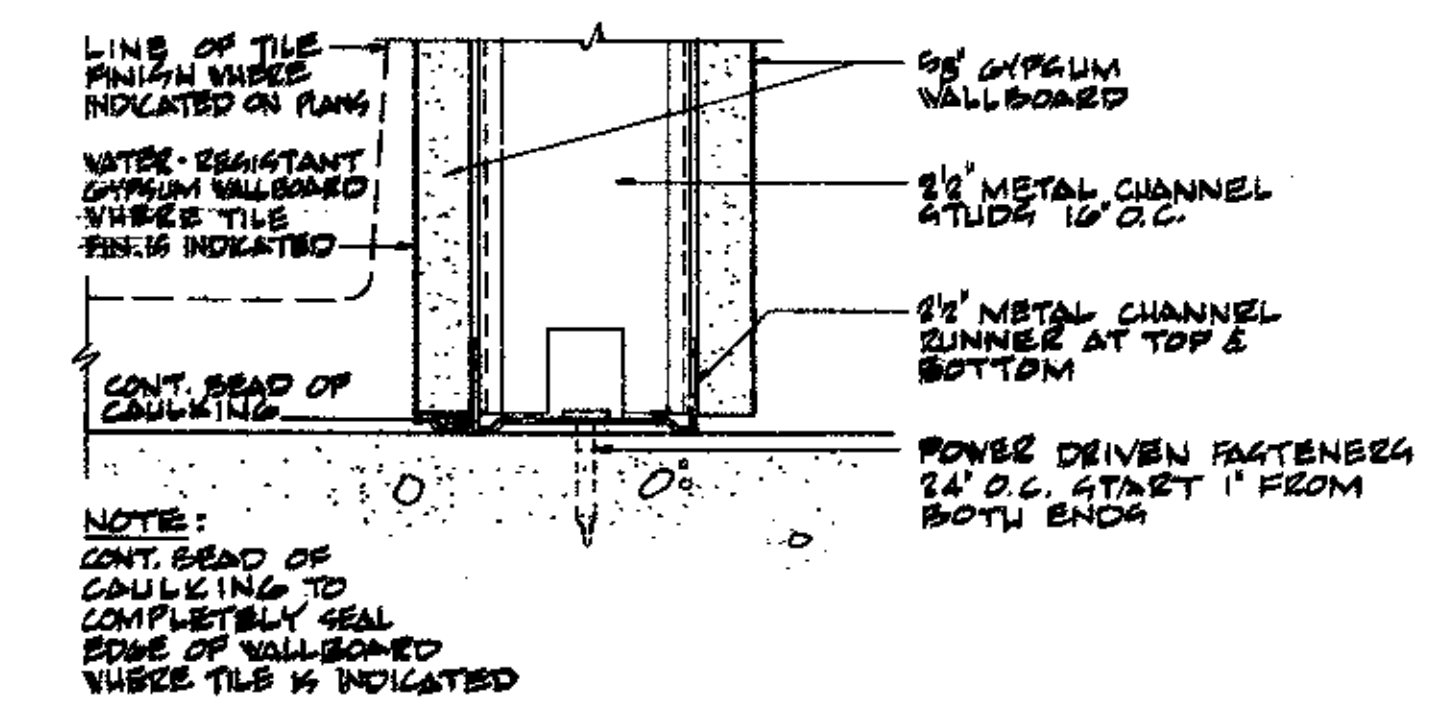
(B) TYPICAL LAMINATED PLANK PLAN
SCALE: HALF SIZE



(C) METAL FRAMING COMPONENTS
SCALE: HALF SIZE



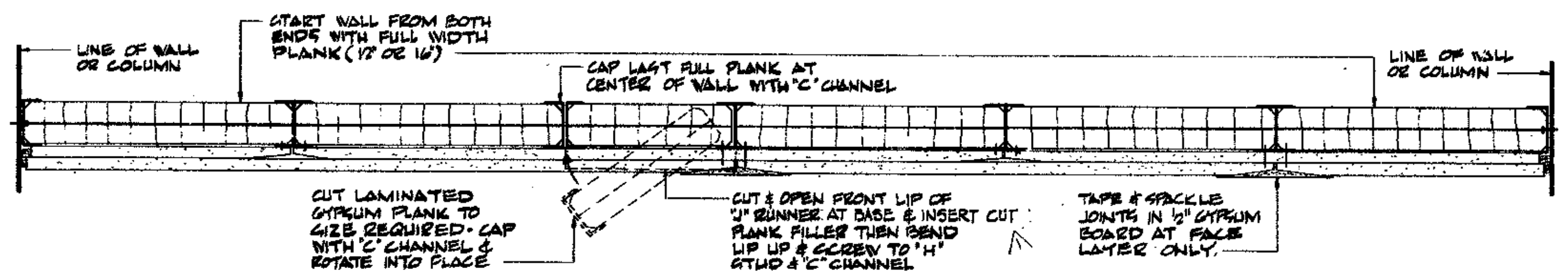
(D) INTERSECTION OF LAMINATED PLANK & METAL STUD WALLS
SCALE: 3" = 1'-0"



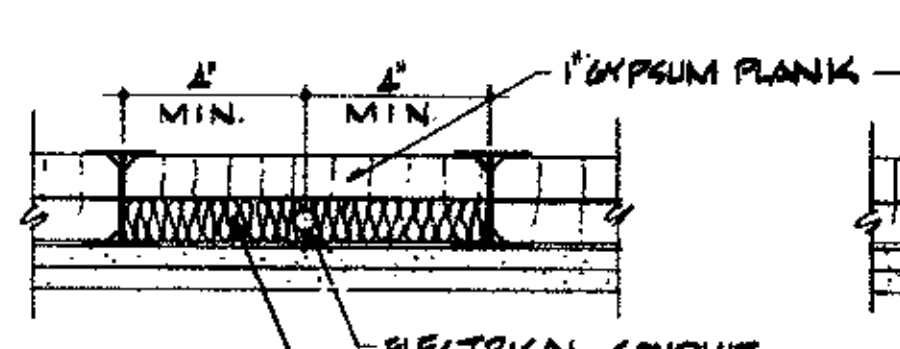
NOTE:
CONT. BEAD OF CAULKING TO COMPLETELY SEAL EDGE OF WALLBOARD WHERE TILE IS INDICATED

NOTE:
BASE & HEAD INSTALLATION SIM. TO STD. BASE & HEAD CONDITIONS FOR LAMINATED GYPSUM PLANK

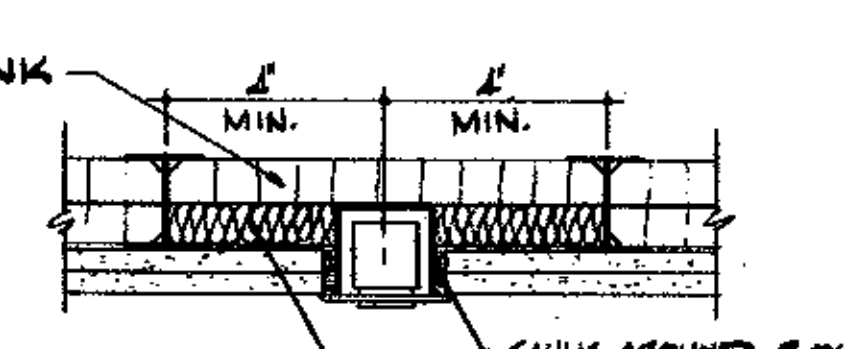
(E) TYPICAL STUD WALL
SCALE: HALF SIZE



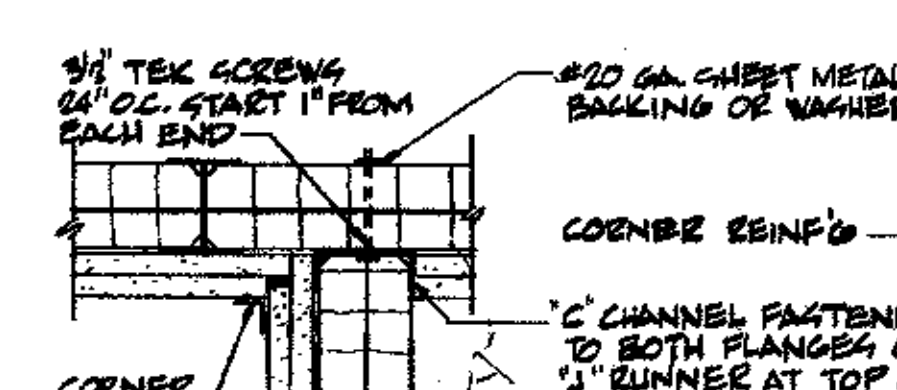
STANDARD LAMINATED GYPSUM PLANK WALL INSTALLATION
SCALE: 3" = 1'-0"



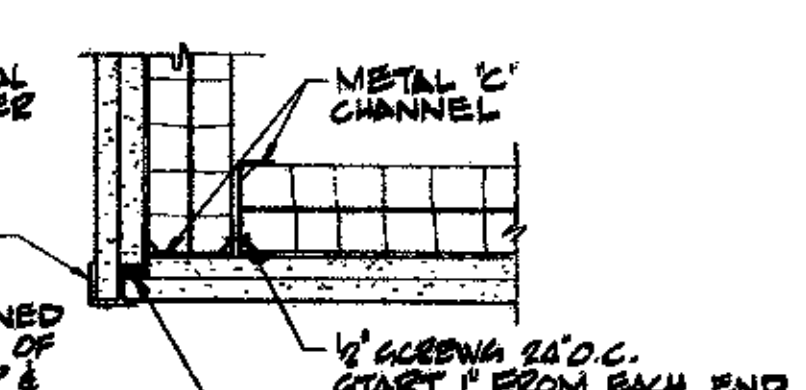
(F) CONDUIT CHASE



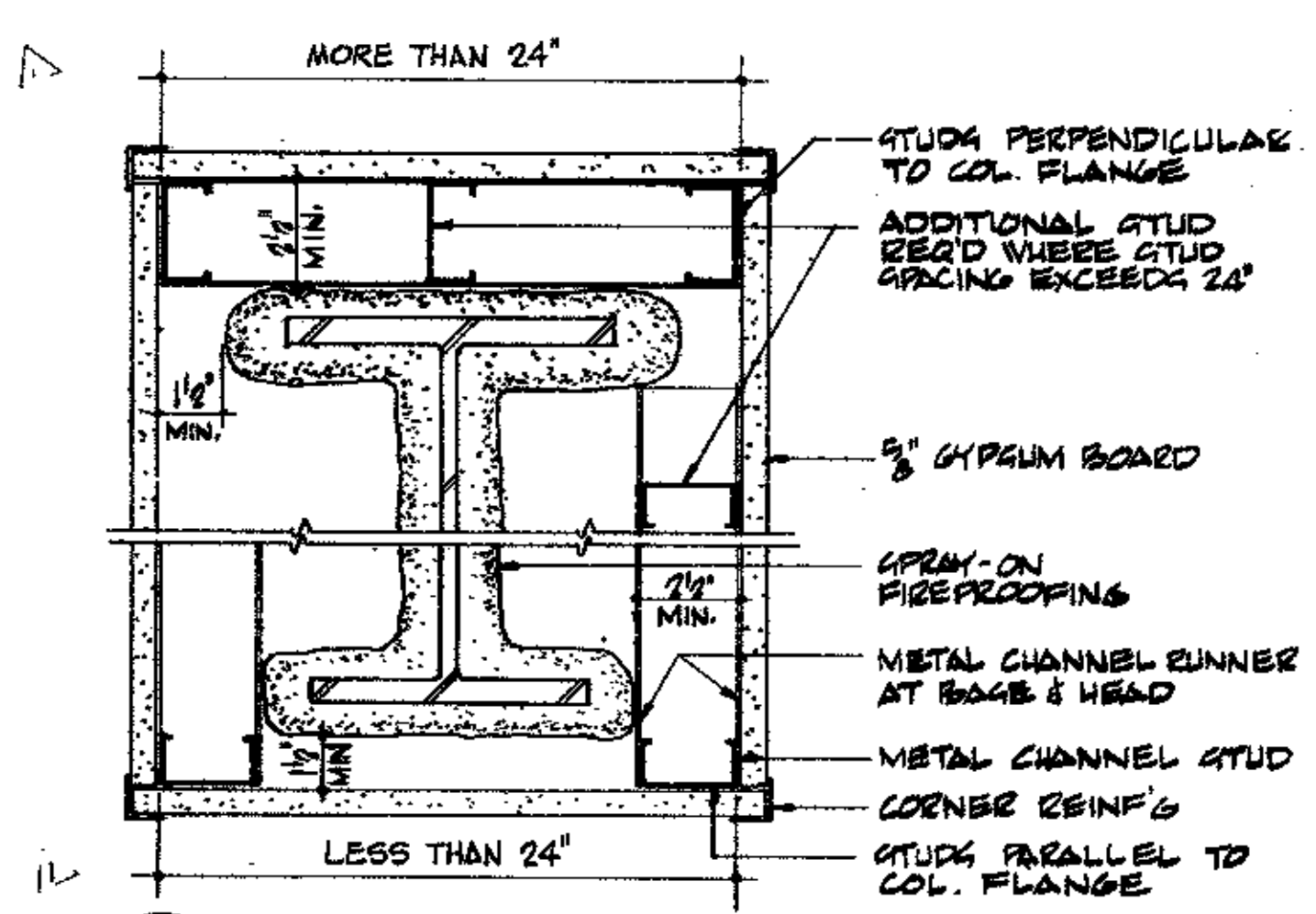
(G) OUTLET BOX



(H) WALL INTERSECTION

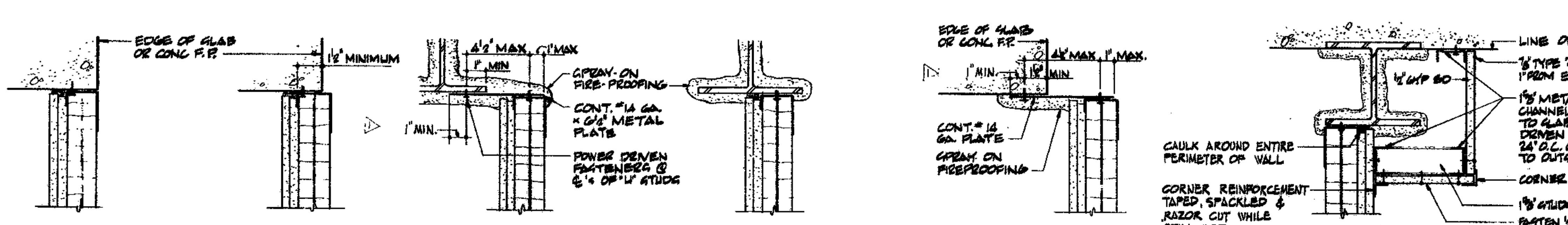


(J) WALL CORNER



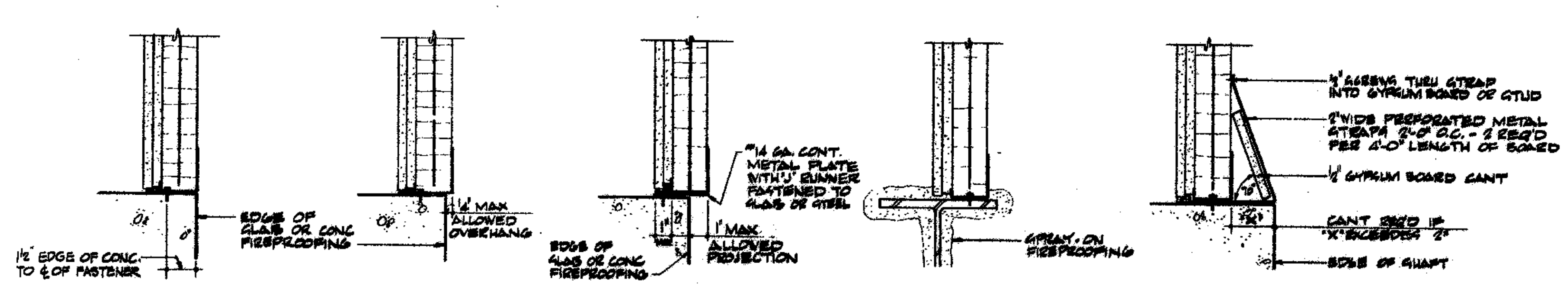
(K) FREE STANDING COL. ENCLOSURE
SCALE: 3" = 1'-0"

STANDARD PLAN DETAILS



(L) FLUSH WITH EDGE OF SHAFT **(M) OVERHANGING EDGE OF SHAFT** **(N) PROJECTING INTO SHAFT AT STL BEAM** **(P) TO STEEL WITH SPRAY-ON F.P.** **(Q) PROJECTING INTO SHAFT AT CONC F.P. OR SLAB** **(R) SPRAY FIREPROOFED BEAM ENCLOSURE**

STANDARD HEAD CONDITIONS FOR LAMINATED GYPSUM PLANK
SCALE: 3" = 1'-0"



(S) FLUSH WITH EDGE OF SHAFT **(T) OVERHANGING EDGE OF SHAFT** **(U) PROJECTING INTO SHAFT** **(V) ON STEEL WITH SPRAY-ON F.P.** **(W) ELEVATOR SHAFT CANT**

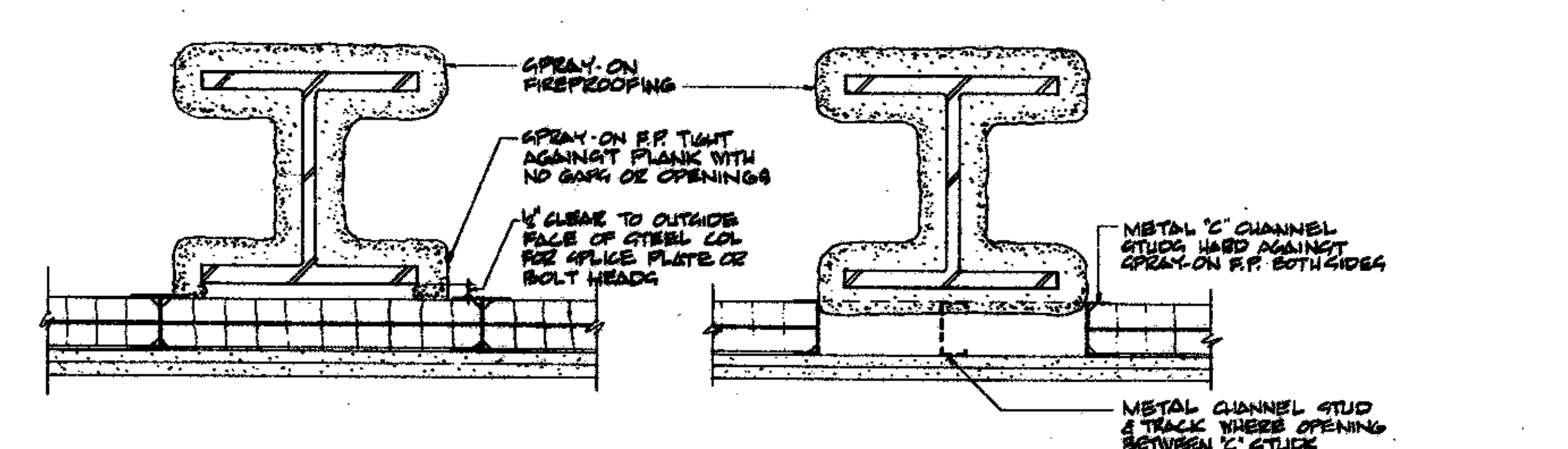
STANDARD BASE CONDITIONS FOR LAMINATED GYPSUM PLANK
SCALE: 3" = 1'-0"

GENERAL NOTES:

1. COMPONENTS OF LAMINATED GYPSUM PLANK SHAFT WALL SYSTEM SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

PARTITION HEIGHT UP TO:	SIZE OF GYPSUM PLANK	"J" RUNNER GAUGE	H.D. GALVANIZED GAUGE OF "H" STUDS & CHANNELS (MAX DEFL. L/240)		
			7.5 P.S.F. (TYP. FL'S)	10 P.S.F. (41 & 42 FL'S)	15 P.S.F. DESIGN WALL PRES. (75, 76, 107 & 108 FL'S)
11'-0"	2" × 16"	20	24	24	18
11'-6"	2" × 16"	20	22	22	16
12'-0"	2" × 16"	20	20	20	14
12'-6"	2" × 12"	20	18	18	16
13'-0"	2" × 12"	20	18	18	14
13'-6"	2" × 12"	20	16	16	14
14'-0"	2" × 12"	20	14	14	12
14'-6"	2½" × 12"	16	18	18	16
15'-0"	2½" × 12"	16	16	16	16
15'-6"	2½" × 12"	16	14	14	14
16'-0"	2½" × 12"	16	14	14	14

2. "J" RUNNERS SHALL BE ALIGNED & FASTENED TO STRUCTURE AT TOP & BOTTOM OF WALL WITH POWER DRIVEN FASTENERS LOCATED WITHIN 1" OF BOTH ENDS & SPACED 24" O.C. MAX. FASTENERS SHALL BE LOCATED 1½" MIN. FROM EDGE OF EXPOSED CONCRETE. RUNNERS FASTENED TO STEEL FRAMING THAT IS TO RECEIVE SPRAY-ON FIREPROOFING SHALL BE INSTALLED BEFORE FIREPROOFING. SHORT LEG OF "J" RUNNER SHALL BE ON FLOOR SIDE OF SHAFT
3. GYPSUM PLANK SHALL BE CUT TO ¼" CLEARANCE OF SHORT LEG OF TOP "J" RUNNER SCREW FASTEN AT CENTER LINE OF PANEL TO TOP RUNNER.
4. ALL WALLS SHALL START WITH FULL HEIGHT "C" CHANNELS FASTENED TO ADJACENT CONSTRUCTION. USE POWER DRIVEN FASTENERS INTO STEEL OR CONC. AND TEK SCREWS INTO GYPSUM. ALL CUT PANELS SHALL BE CAPPED WITH VERTICAL METAL "C" CHANNELS. NO CUT SHALL BE LESS THAN 6" WIDE.
5. OPENINGS WITHIN PANELS SHALL BE FRAMED WITH "C" CHANNELS AROUND PERIMETER.
6. METAL "H" STUDS SHALL BE CUT ¼" MAX. CLEARANCE FROM DIMENSION BETWEEN HORIZONTAL FLANGE OF BOTTOM & TOP "J" RUNNER TRACK.
7. INSTALL STUDS AND GYPSUM PLANK PANELS ALTERNATELY, SLIDING ALONG RUNNERS TO BUTT TIGHT TO ADJOINING MEMBER.
8. INSTALL BASE LAYER OF ½" GYPSUM WALLBOARD VERTICALLY FULL HEIGHT OF WALL. FASTEN TO FLANGE OF STUDS & CHANNELS WITH 1" TEK SCREWS 12" O.C. STAGGERED ALONG ABUTTING EDGES.
9. CAULK ENTIRE PERIMETER OF WALLBOARD AT INTERSECTION OF FLOOR, TOP OF WALL, BEAMS, DUCTS AND VERTICAL ENDS TO SEAL PERIPHERIES OF WALL AT SHAFT ENCLOSURES.
10. INSTALL FACE LAYER OF ½" GYPSUM WALLBOARD VERTICALLY FULL HEIGHT OF WALL WITH JOINTS STAGGERED OVER BASE LAYER WITH 1⅝" TEK SCREWS 12" O.C. INTO STUDS & CHANNELS. APPLY 2 VERTICAL BEADS OF LAMINATING ADHESIVE 2" APART ON EACH SIDE OF ALL JOINTS 1" FROM EDGE OF BOARD.
11. TAPE, SPACKLE AND FINISH ENTIRE VERTICAL SURFACE OF FACE LAYER OF WALLBOARD
12. WALLS INSTALLED BETWEEN TWO FIXED POINTS SHALL START WITH FULL WIDTH PANELS AT BOTH ENDS WORKING TOWARD THE MIDDLE OF THE WALL. CAP LAST FULL WIDTH PANEL WITH "C" CHANNEL. CUT GYPSUM PLANK TO FIT REMAINING SPACE AND CAP WITH "C" CHANNEL. CUT LIP OF "J" RUNNER AND BEND DOWN. ROTATE PANEL INTO "H" STUD SO THAT CAP CHANNELS ABUTT - BEND LIP OF "J" RUNNER BACK UP AND SCREW FASTEN TO STUDS AND CHANNELS.
13. FRAME ALL SIDES OF BEAM & DUCT PENETRATIONS WITH FULL HEIGHT "H" STUDS FOR DUCTS AND "C" CHANNELS FOR BEAMS. SCREW FASTEN "H" STUDS OR "C" CHANNELS TO TOP & BOTTOM RUNNERS WITH 2-½" PAN HEAD SCREWS. FRAME BELOW PENETRATION WITH "J" RUNNER. CUT RUNNER 4" WIDER THAN DUCT OPENING TO FIT BETWEEN STUDS. BEND DOWN WEB OF RUNNER BETWEEN STUDS AND SCREW FASTEN FRONT AND BACK FLANGES TO METAL "H" STUDS.
14. REINFORCE ALL WIDE PENETRATION OPENINGS WITH 2" WIDE #24 GAUGE METAL "C" CHANNEL INSTALLED ON FACE OF WALL BELOW OPENING AND SCREW FASTENED INTO STUDS. CHANNEL SHALL EXTEND ONE FULL PLANK WIDTH BEYOND EITHER SIDE OF OPENING.
15. DOOR BUCKS SHALL BE FRAMED ON BOTH SIDES OF JAMB WITH FULL HEIGHT "C" CHANNELS FASTENED TO RUNNERS AT TOP AND BOTTOM WITH ½" PAN HEAD SCREWS. FRAME ACROSS HEAD WITH "J" RUNNER SCREW FASTENED TO "C" CHANNELS. A FULL WIDTH OF UNCUT GYPSUM PLANK SHALL BE INSTALLED ON BOTH SIDES OF DOOR FRAME. DOOR FRAME TO BE GROUTED AT SPACER CLIPS AFTER GYPSUM PLANK IS INSTALLED.
16. CONTROL JOINTS SHALL BE INSTALLED IN FACE LAYER OF WALL 30'-0" O.C. MAX AND WHEREVER TYPE OF WALL CONSTRUCTION CHANGES WITHIN PLANE OF WALL.
17. ALL INSIDE AND OUTSIDE VERTICAL CORNERS AND INTERSECTIONS SHALL BE REINFORCED WITH TAPE AND SPACKLED.
18. FACE LAYER OF ALL WALLS IN PLUMBING SHAFTS, PLUMBING CHASES, TOILETS, JANITORS CLOSETS AND WHEREVER WALLS MAY BE EXPOSED TO MOISTURE SHALL BE WATER-RESISTANT (W/R) ALL CUT EDGES OF W/R BOARD SHALL BE SEALED WITH CAULKING.
19. GYPSUM PLANK WITH 2 LAYERS OF ½" GYPSUM WALLBOARD ON ROOM FINISH SIDE SHALL HAVE A FIRE RESISTIVE RATING OF 2 HRS.
20. WHERE SINGLE LAYER OF WALLBOARD IS USED FOR FINISH IT SHALL BE ⅝" GYPSUM - FULL WALL HEIGHT. WALLBOARD FINISH IN STAIR SHAFT SHALL EXTEND FROM TOP OF STRINGER PAST BEAM EDGE TO BOTTOM OF SLAB OR STRINGER ABOVE. USE METAL TRIM AT TOP AND BOTTOM OF WALLBOARD.
21. INCLUDE ALL BACK-UP PLATES AS REQ'D FOR THE ATTACHMENT OF GRAB BARS, TOILET STALL PARTITIONS, TOILET STALL DIVIDERS, MIRRORS AND SHELVES ETC.
22. PROVIDE ALL CUT OUTS & COVERING OR PATCHING FOR WORK OF OTHER TRADES ATTACHED TO OR PENETRATING WALLS.
23. INSTALL GYPSUM BOARD CANTS AND STRAP FASTENERS WHERE REQUIRED IN ELEVATOR SHAFTS.
24. METAL STUD WALL CONSTRUCTION INDICATED ON PLANS SHALL BE 2½" METAL STUDS SET IN 2½" METAL CHANNEL RUNNERS FASTENED TO FLOOR AND UNDERSIDE OF CONSTRUCTION ABOVE.
25. 2½" METAL STUDS SHALL BE #25 GAUGE 16" O.C. FOR WALL HEIGHTS UP TO 13'-3" AND 12" O.C. FOR HEIGHT UP TO 14'-9". STUDS SHALL BE INCREASED TO #20 GAUGE 16" O.C. FOR WALL HEIGHTS UP TO 15'-3" AND 12" O.C. FOR HEIGHTS UP TO 16'-3". RUNNER CHANNEL SHALL BE SAME GAUGE AS STUDS.
26. RUNNER CHANNELS SHALL BE ALIGNED AND FASTENED TO STRUCTURE AT TOP AND BOTTOM OF WALL WITH POWER DRIVEN FASTENERS WITHIN 1" OF BOTH ENDS AND SPACED 24" O.C. MAX.
27. ALL SINGLE LAYERS OF WALLBOARD SHALL BE ⅝" THICK SCREW FASTENED TO STUDS WITH 1" TYPE "S" SCREWS 12" O.C. AND 8" O.C. AT JOINTS.
28. WATER RESISTANT WALLBOARD SHALL BE USED AS REQUIRED IN NOTE #18 ABOVE.
29. INSTALL CONTINUOUS CAULKING BEAD AROUND PERIMETER OF WALL.
30. FULL HEIGHT INTERLOCKING DOUBLE STUDS SHALL BE USED TO FRAME ALL DOOR OPENINGS. ADJACENT STUDS SHALL BE 6" MAX. FROM FRAMED OPENINGS.
31. TAPE, SPACKLE AND FINISH ENTIRE SURFACE OF WALL. REINFORCE ALL INSIDE AND OUTSIDE CORNERS AND INTERSECTIONS.
32. CHASE WALL PARTITIONS SHALL BE CROSS BRACED AT QUARTER POINTS OF STUDS.
33. ALL WORKMANSHIP COMPONENTS AND MATERIALS SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
34. SEE DRAWINGS A-AB-206 TO A-AB-212 FOR GENERAL PARTITION DETAILS.



(X) CORE COL. FIREPROOFING
SCALE: 3" = 1'-0"

(Y) ALTERNATE TO (X)
SCALE: 3" = 1'-0"

3" = 1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

CONTRACT BID DRAWING date

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				1	3-15-70	A-47	A.G.

REVISIONS | REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

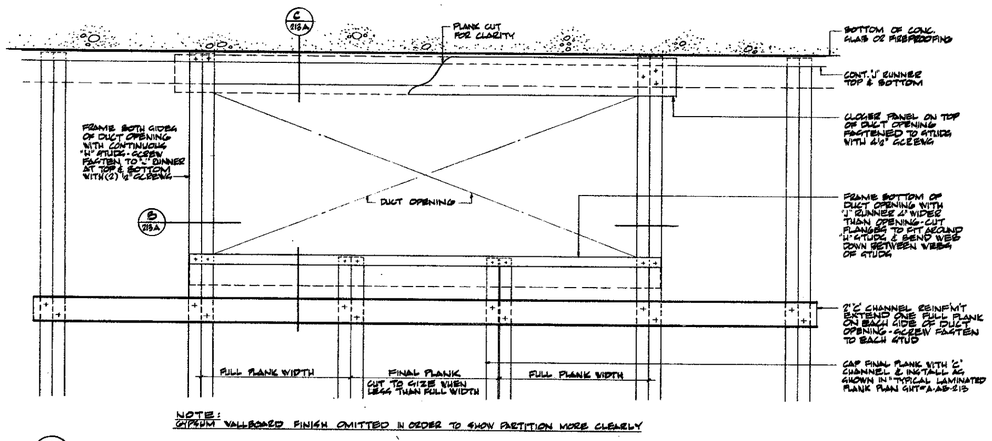
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

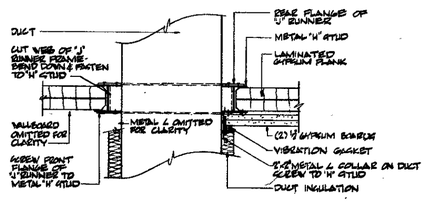
TITLE: **STANDARD PARTITION DETAILS**

DRAWN	J.M.G.	CHECKED	
SCALE	AS INDICATED	DATE	12/12/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·213		

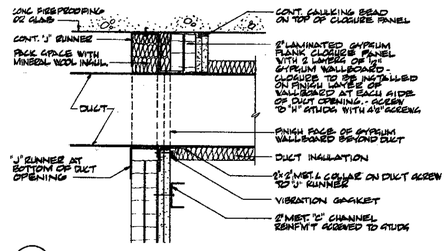


NOTE: GYPSUM WALLBOARD FINISH OMITTED IN ORDER TO SHOW PARTITION MORE CLEARLY

A ELEVATION OF DUCT PENETRATION
SCALE: 3/8"=1'-0"



B HORIZONTAL SECTION THRU DUCT PENETRATION
SCALE: 3"=1'-0"



C VERTICAL SECTION THRU DUCT PENETRATION
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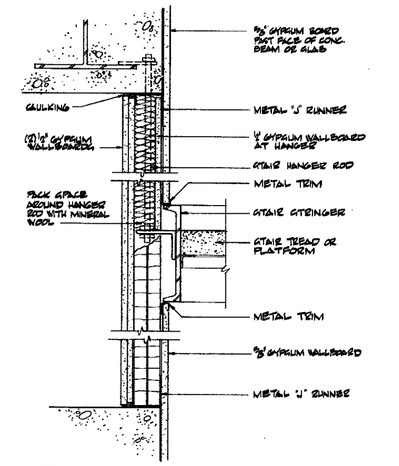
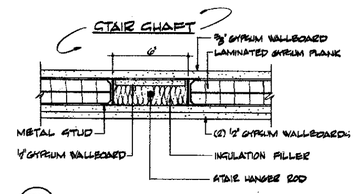
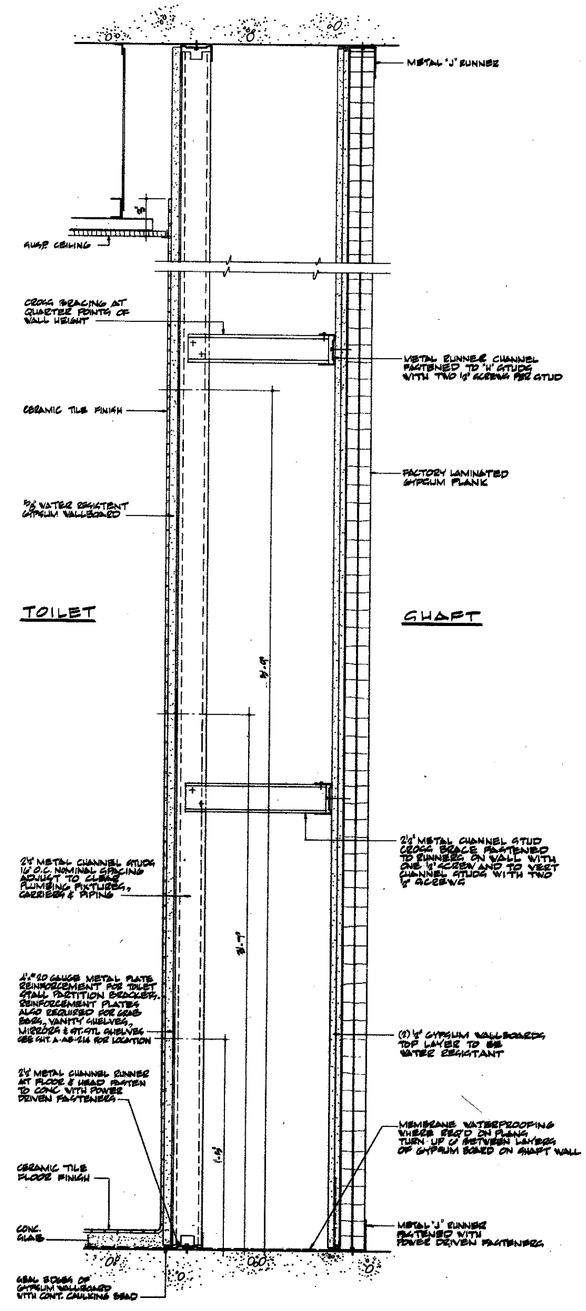


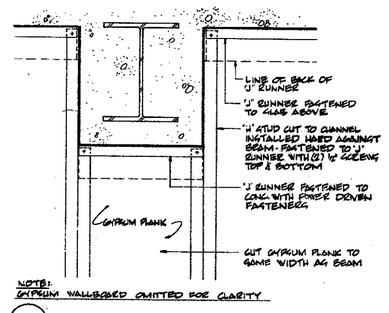
D SECTION THRU STAIR SHAFT
N.T.S.



E PLAN AT STAIR HANGER
SCALE: 3"=1'-0"

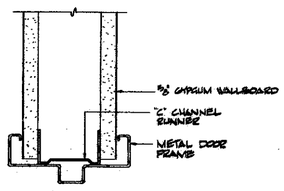


N SECTION THRU CHASE WALL
SCALE: 3"=1'-0"

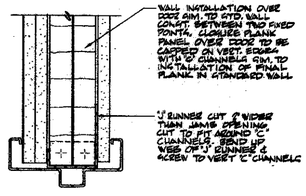


NOTE: GYPSUM WALLBOARD OMITTED FOR CLARITY

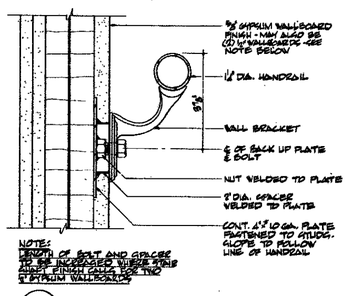
F CONC. F.P. BEAM PENETRATION
SCALE: 3"=1'-0"



H DOOR HEAD

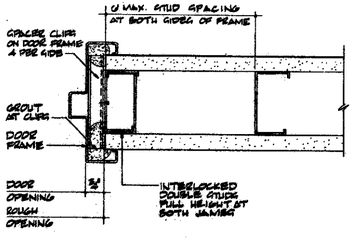


K DOOR HEAD



NOTE: LENGTH OF BOLT AND SPACER TO BE INCREASED WHERE 5/8" FINISH FINISH CONSISTS OF TWO 1/2" GYPSUM WALLBOARDS

M STAIR HANDRAIL
SCALE: 1 HALF SIZE

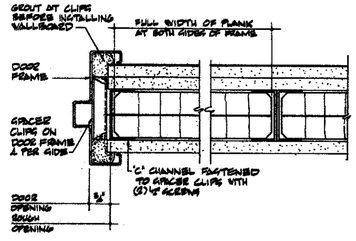


NOTE: GYPSUM WALLBOARD OMITTED FOR CLARITY

G SPRAY ON F.P. BEAM PENETRATION
SCALE: 3"=1'-0"

J DOOR JAMB

STANDARD DOOR DETAILS FOR METAL STUD
SCALE: 1 HALF SIZE



L DOOR JAMB

STANDARD DOOR DETAILS FOR LAMINATED GYPSUM PLANK
SCALE: 1 HALF SIZE

CONTRACT BID DRAWING date

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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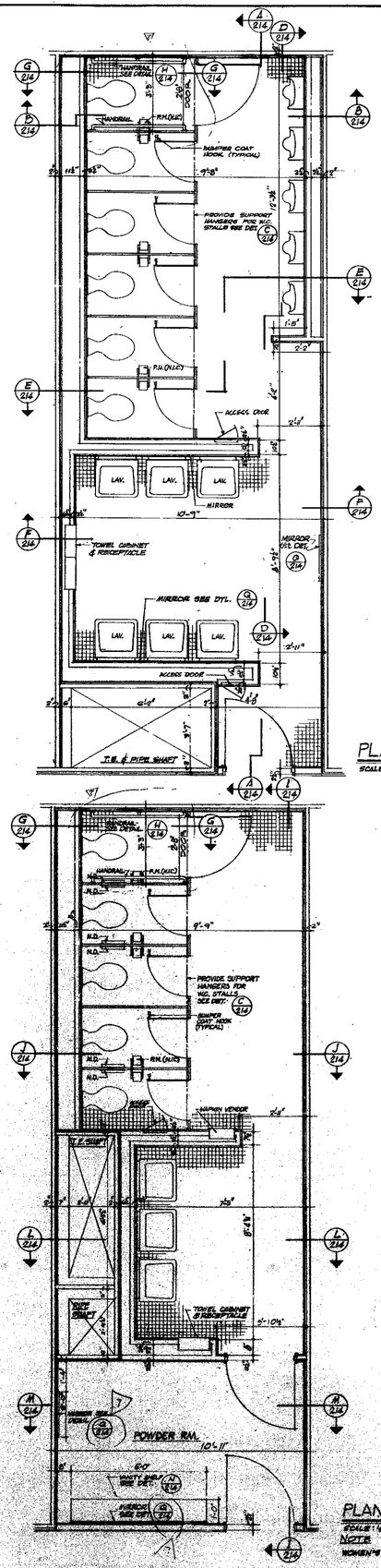
TITLE: STANDARD PARTITION DETAILS

DRAWN	J.M.C.	CHECKED	
SCALE	AS INDICATED	DATE	10/12/64
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-213-A		



PLAN OF TYPICAL MEN'S TOILET

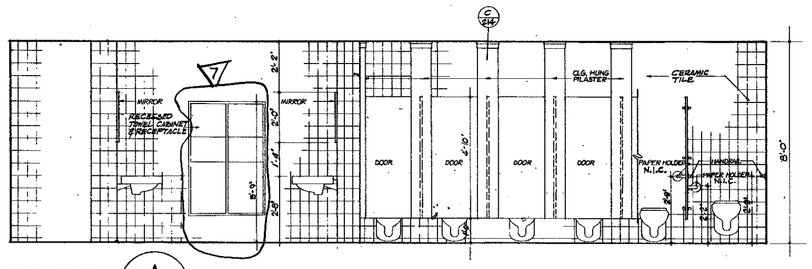
SCALE: ½" = 1'-0"

PLAN OF TYPICAL WOMEN'S TOILET

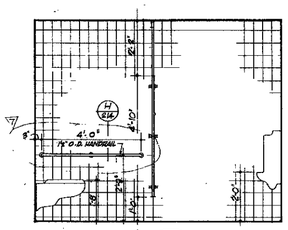
SCALE: ½" = 1'-0"

NOTE

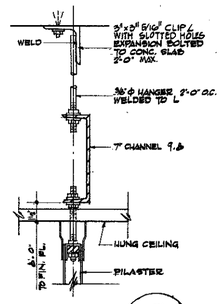
WOMEN'S TOILET #2 SIMILAR, SEE CORE PLANS FOR VARIATIONS



ELEVATION A 214

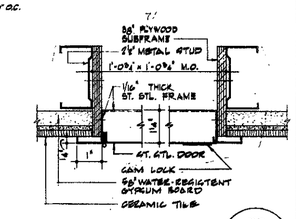


ELEVATION B 214



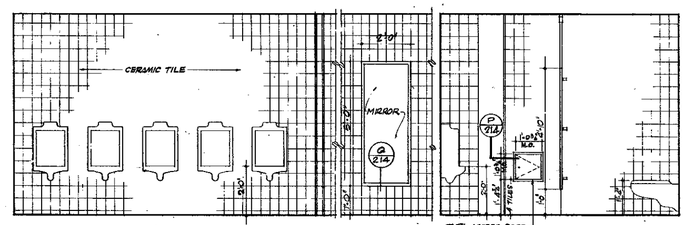
PILASTER SUPPORT C 214

SCALE: 3" = 1'-0"



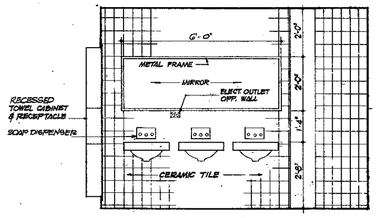
SECTION THRU ACCESS DOOR P 214

SCALE: HALF SIZE

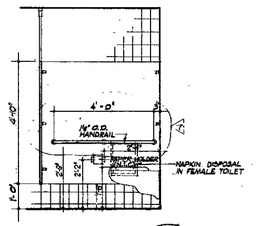


ELEVATION D 214

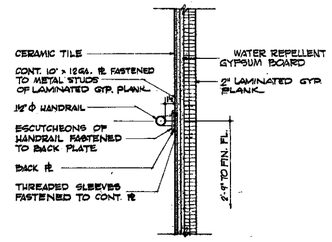
ELEVATION E 214



ELEVATION F 214

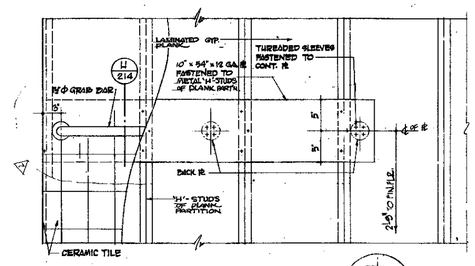


ELEVATION G 214



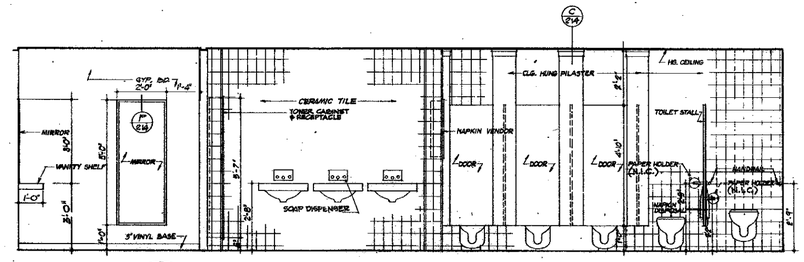
SECTION THRU HANDRAIL (GRAB BAR) H 214

SCALE: 1½" = 1'-0"

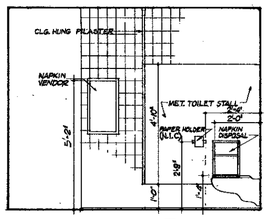


ELEVATION AT GRAB BAR K 214

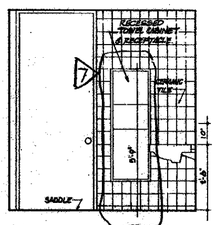
SCALE: 1½" = 1'-0"



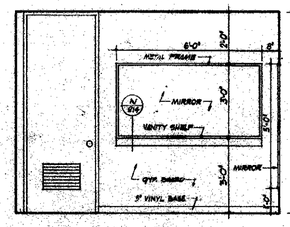
ELEVATION I 214



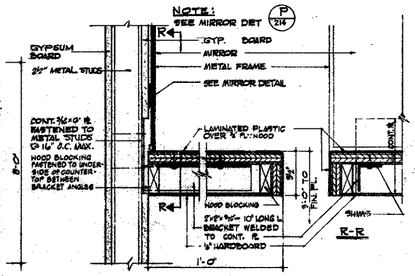
ELEVATION J 214



ELEVATION L 214

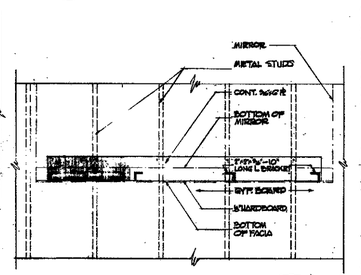


ELEVATION M 214



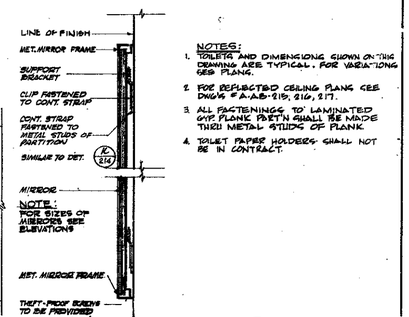
SECTION OF VANITY SHELF N 214

SCALE: 3" = 1'-0"



ELEVATION AT VANITY SHELF SUPPORT O 214

SCALE: 1" = 1'-0"



NOTE: FOR SIZES OF MIRRORS, SEE ELEVATIONS

NOTES:

1. TOILETS AND DIMENSIONS SHOWN ON THIS DRAWING ARE TYPICAL. FOR VARIATIONS SEE PLANS.
2. FOR REFLECTED CEILING PLANS SEE DWGS # A-AB-215, 216, 217.
3. ALL FASTENINGS TO LAMINATED GYP. PLANK PARTN. SHALL BE MADE THRU METAL STUDS OF PLANK.
4. TOILET PAPER HOLDERS SHALL NOT BE IN CONTRACT.

MIRROR DETAILS O 214

SCALE: HALF FULL

½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

NO.	DATE	SUB. NO.	BY
1	11-6-70	A-54	G.A.
2	3-16-70	A-93	J.C.
3	3-16-70	A-94	J.C.
4	3-16-70	A-41	R.H.
5	3-16-70	A-45	R.H.
6	5-23-69	A-47	G.K.
7	6/20/69	A-3	R.

REVISIONS

CONTRACT NO. DRAWING date 2-9-68 Towers 'A' 8-1-68 Towers 'B'

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL TOILET PLANS AND ELEVATIONS

DRAWN	G.F. & A.N.	CHECKED	
SCALE	AS SHOWN	DATE	7-31-67
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-AB-214		

NORTH

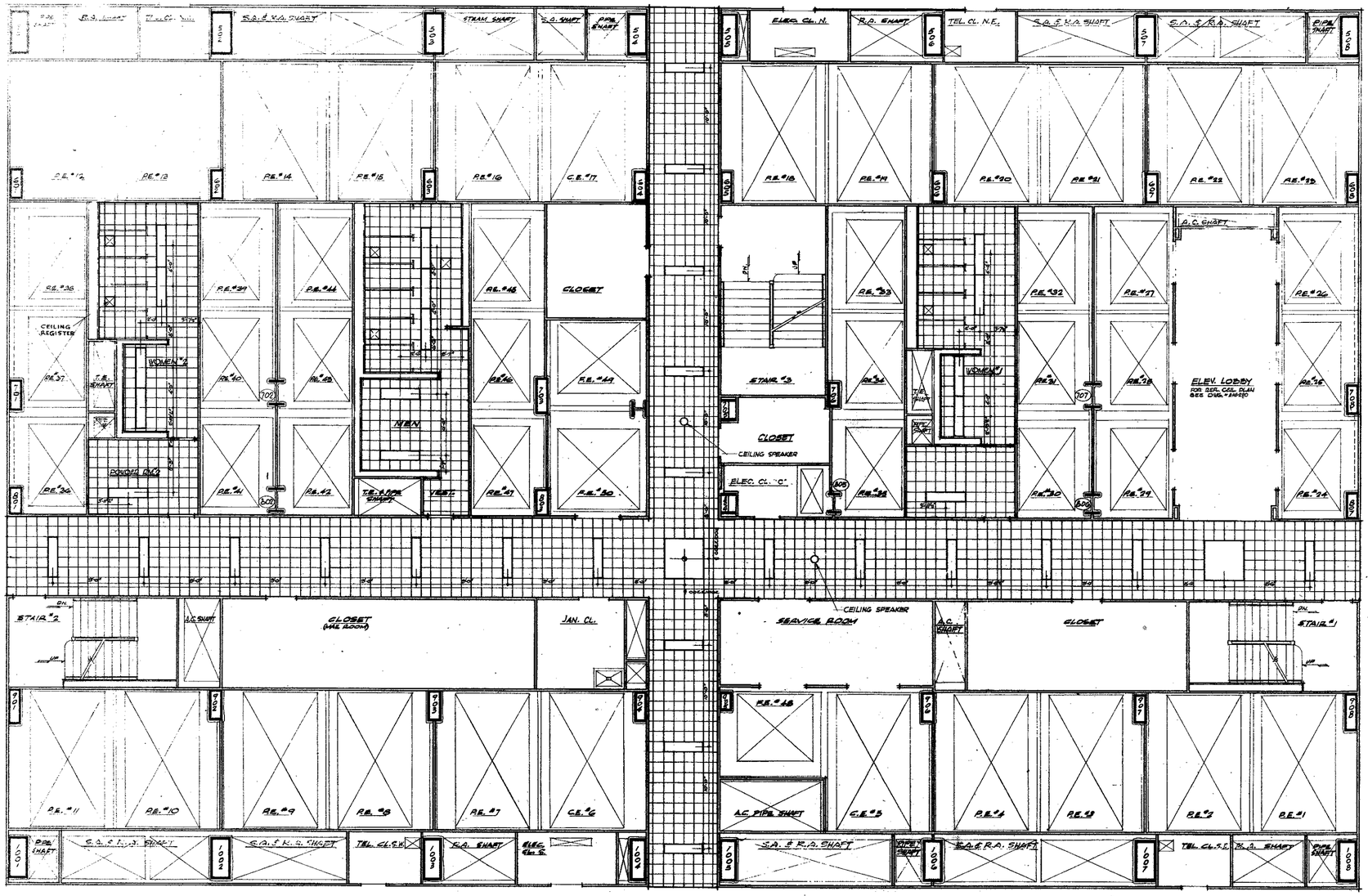
Tower 'B'

NORTH

Tower 'A'

NOTE :

THIS DRAWING INDICATES THE CONDITIONS FOR THE 11TH TO 16TH FLOORS, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE 1. SEE INDIVIDUAL CORE PLANS FOR VARIATIONS



CONTRACT NO. DRAWING date 5-1-68 Tower 'A' 9-1-68 Tower 'B'

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

1/4"=1'-0" 0 1 2 3 4 8 12

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

TITLE
TYPICAL CORE REFLECTED CEILING PLAN - ZONE 1

DESIGN G.V. CHECKED

SCALE 1/4"=1'-0" DATE 7-31-67

PROJECT DRAWN GP

APPROVED

A-AB-215

A-AB-215

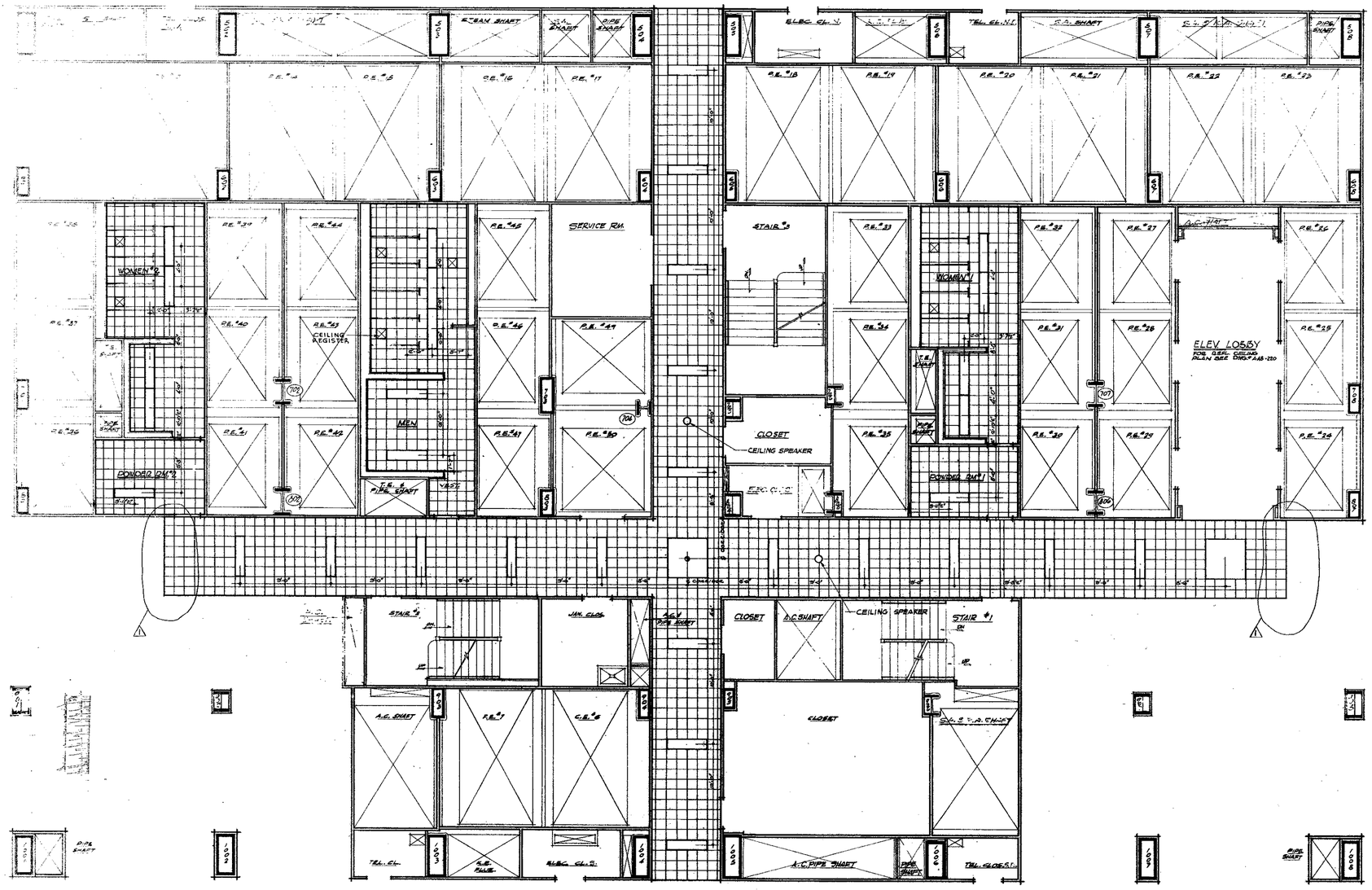
NORTH

TOWER 'B'

NORTH

TOWER 'A'

NOTE:
THIS DRAWING INDICATES THE CONDITIONS FOR THE 50TH. TO 54TH. FLOORS, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE II. SEE INDIVIDUAL CORE PLANS FOR VARIATIONS.



CONTRACT BID DRAWING date 2-9-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	2-20-68	53	R

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0" 2" 3" 4" 8" 12"

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MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL CORE REFLECTED CEILING PLAN - ZONE II

DRAWN	E.V.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	A-AB-246		

A-AB-216

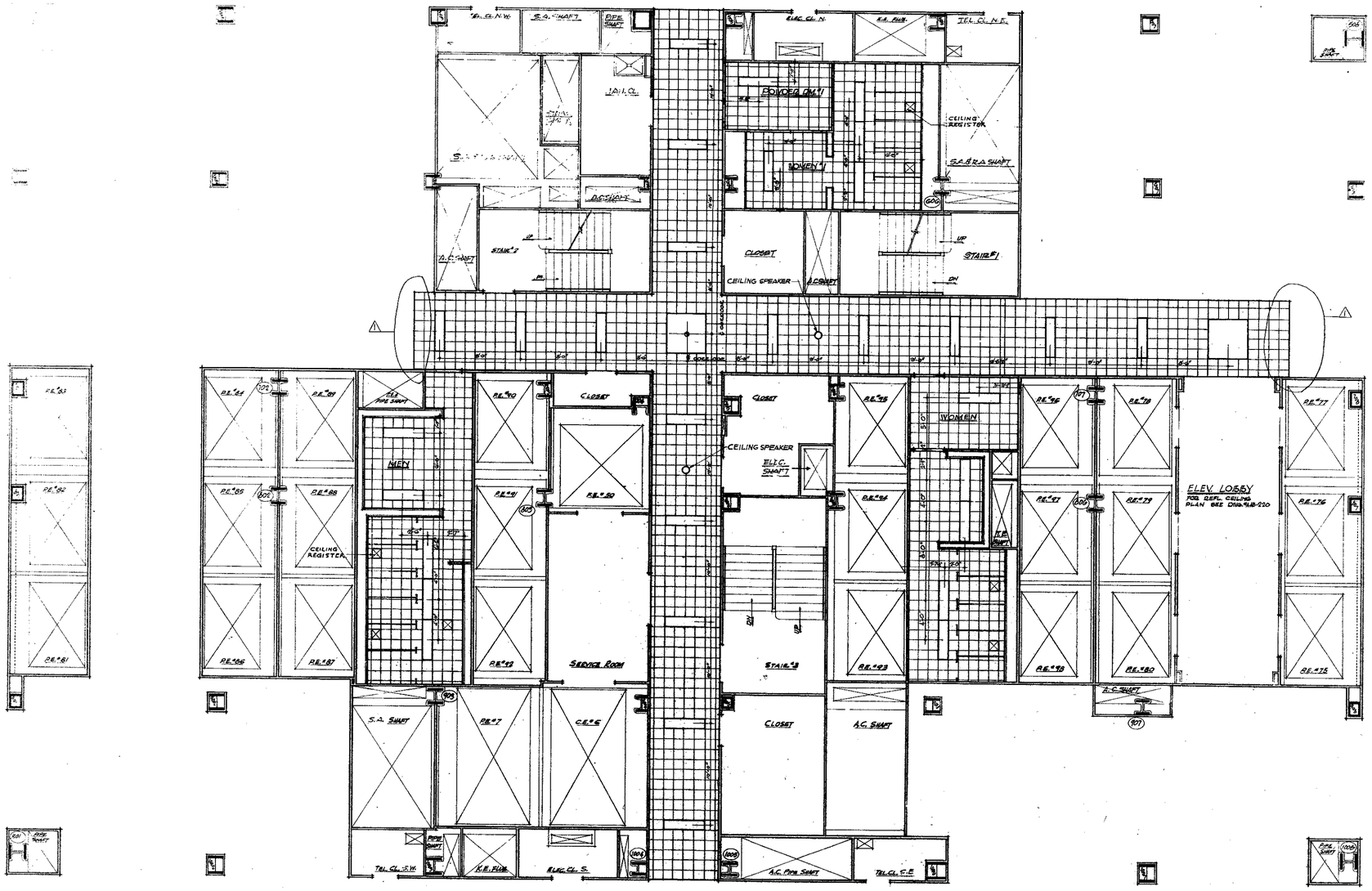
NORTH

TOWER "B"

NORTH

TOWER "A"

NOTE:
THIS DRAWING INDICATES THE CONDITIONS FOR THE 64TH. TO 86TH. FLOORS, INCLUSIVE, AND IS REPRESENTATIVE OF ZONE III. SEE INDIVIDUAL CORE PLANS FOR VARIATIONS



CONTRACT: BID DRAWING - date 12-2-68 Tower "A" 8-1-68 Tower "B"

3/4"-1'-0" 0 6" 3'-0" 6' 12'

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

REVISIONS

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

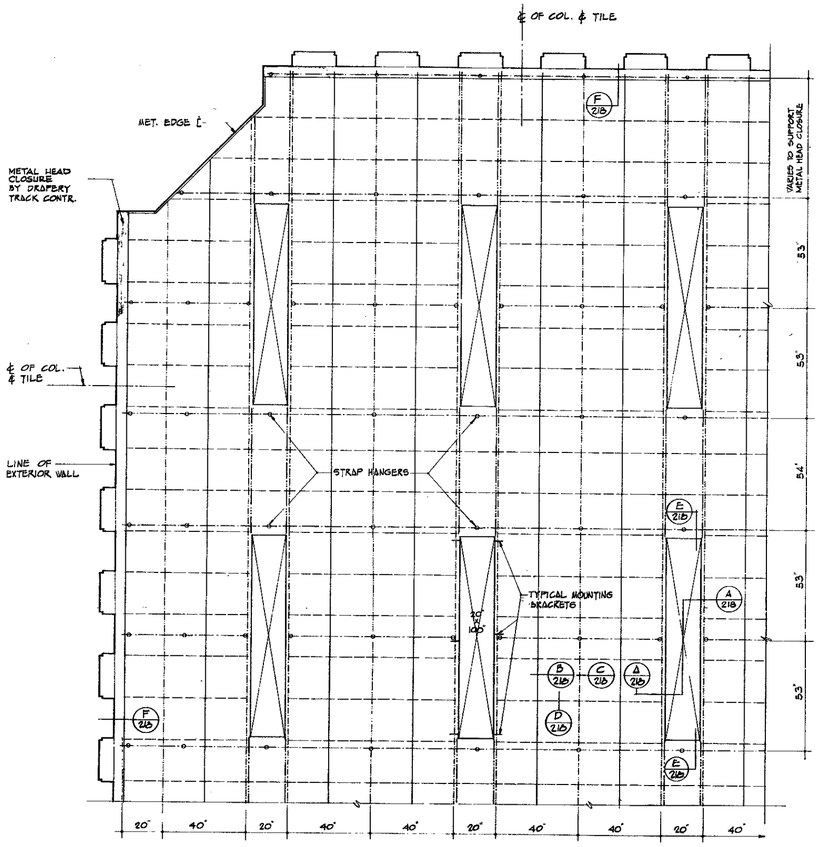
THE PORT OF NEW YORK AUTHORITY
PAYNE, ATHERTON, ADMINISTRATORS

TITLE
TYPICAL CORE REFLECTED CEILING PLAN - ZONE III

DRAWN	S.V.	CHECKED	
SCALE	1/4"-1'0"	DATE	12-2-68
PROJECT		SHEET	27
CONTRACT			

A-AB-217

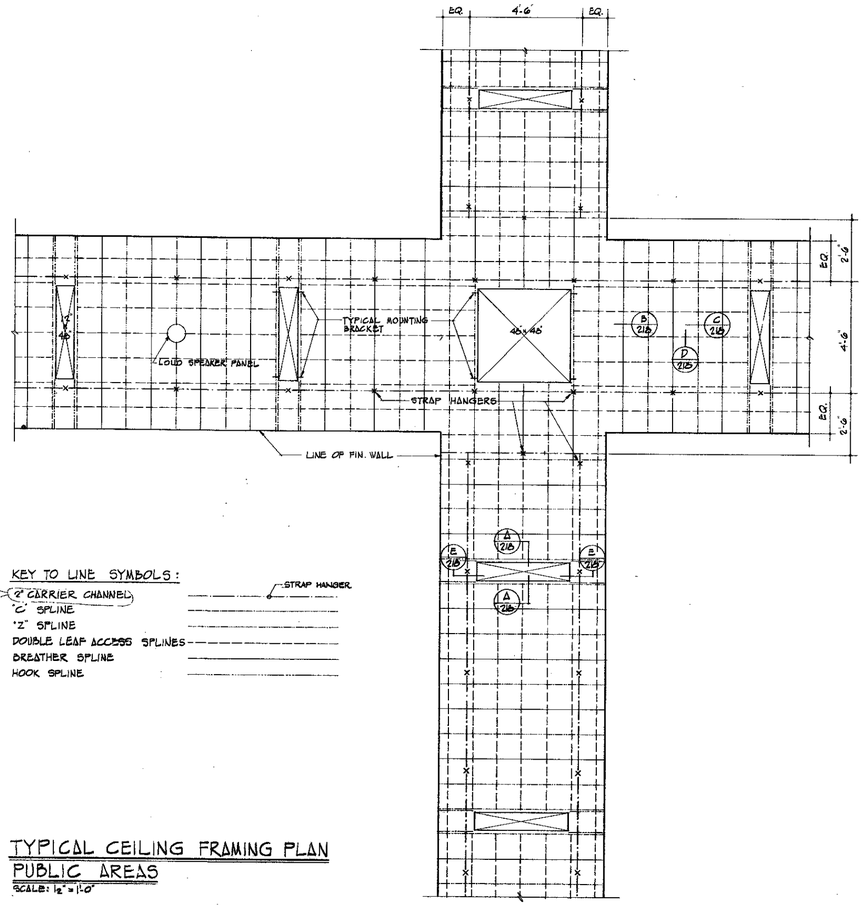
A-AB-217



TYPICAL CEILING FRAMING PLAN - TENANT AREA

SCALE: 1/2"=1'-0"

NOTE: SPACING OF LIGHTING FIXTURES NOMINALLY SHOWN FOR DETAIL REFERENCE ONLY. ACTUAL LOCATIONS OF FIXTURES SUBJECT TO TENANT LAYOUT

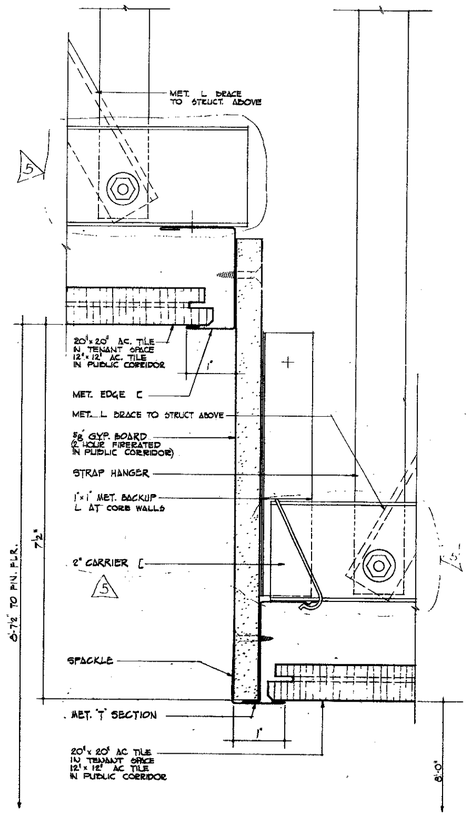


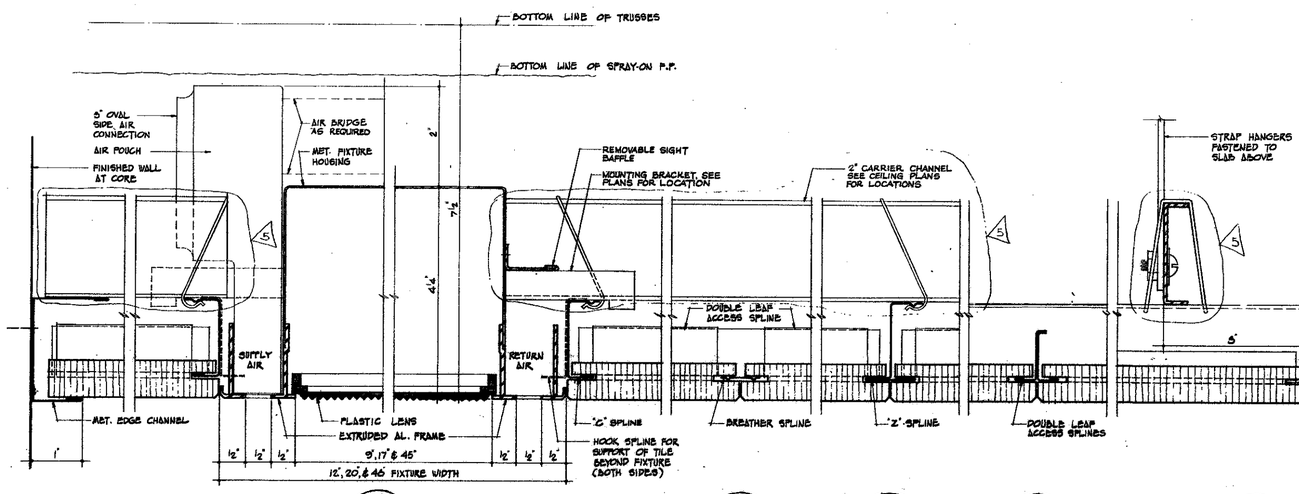
TYPICAL CEILING FRAMING PLAN PUBLIC AREAS

SCALE: 1/2"=1'-0"

KEY TO LINE SYMBOLS:

- 2" CARRIER CHANNEL
- 'C' SPLINE
- 'Z' SPLINE
- DOUBLE LEAF ACCESS SPLINES
- BREATHER SPLINE
- HOOK SPLINE
- STRAP HANGER





SECTION AT CEILING BREAK

SCALE: FULL SIZE

SECTION AT CORE WALL

SECTION AT EXTERIOR WALL

TYPICAL CEILING DETAILS

SCALE: FULL SIZE

NOTE:
TILE IN TENANT AREA TO BE 20"x 20"
TILE IN PUBLIC AREA TO BE 12"x 12"

A 218 | B 218 | C 218 | D 218 | E 218 | F 218

CONTRACT BID DRAWING date 2-2-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
1	2-10-70	ADD'L	A.M.
2	4-1-71	ADD'L	R.L.F.
3	11-6-70	ADD'L	R.A.
4	6-16-70	A-67	A.M.
5	6-25-68	ADD'L	R.L.F.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

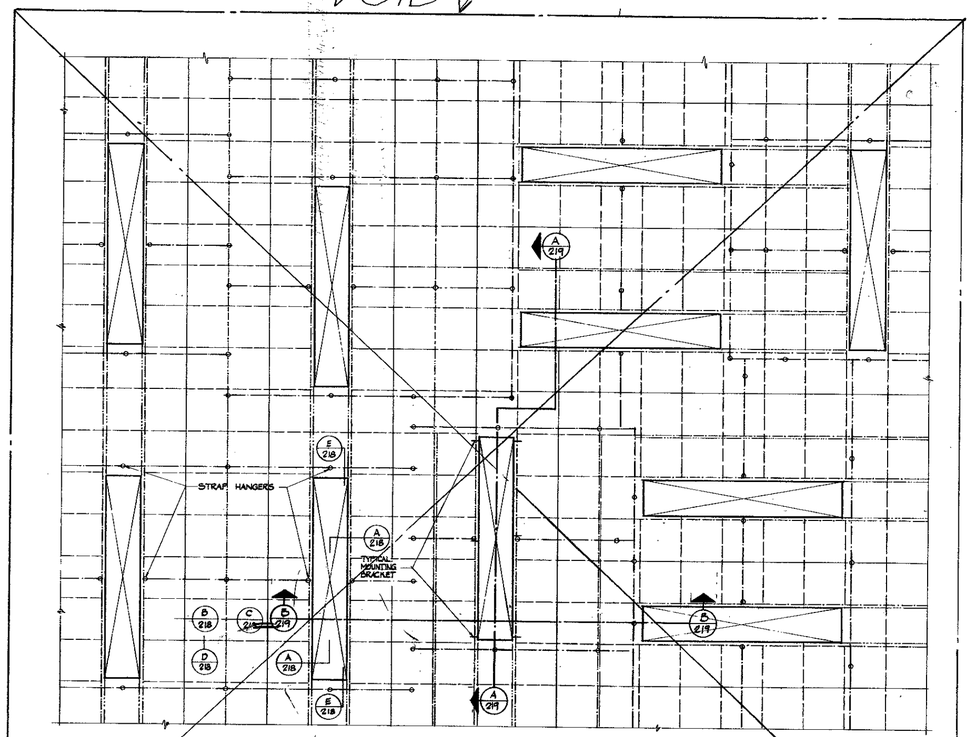
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CEILING DETAILS

DRAWN	AGC	CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-218		

VOID

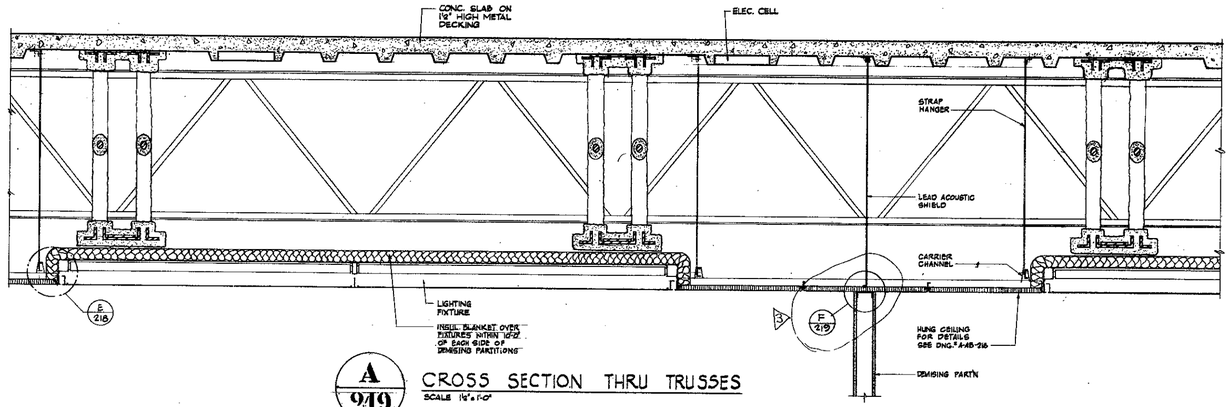


CEILING FRAMING PLAN [RANDOM PATTERN]
SCALE 1/8"=1'-0"

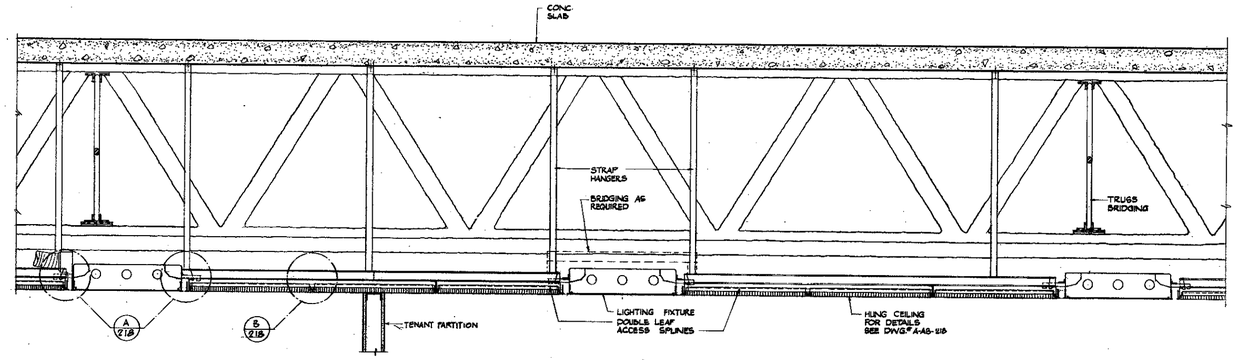
NOTE:
PLACEMENT OF LIGHTING FIXTURES NOMINALLY SHOWN FOR DETAIL REFERENCE ONLY. ACTUAL LOCATIONS OF FIXTURES SUBJECT TO TENANT LAYOUT

KEY TO LINE SYMBOLS:
- 1½' CARRIER CHANNEL
- 'C' SPLINE
- 'Z' SPLINE
- DOUBLE LEAF ACCESS SPLINES
- BREATHER SPLINE
- HOOK SPLINE
- STRAP HANGER

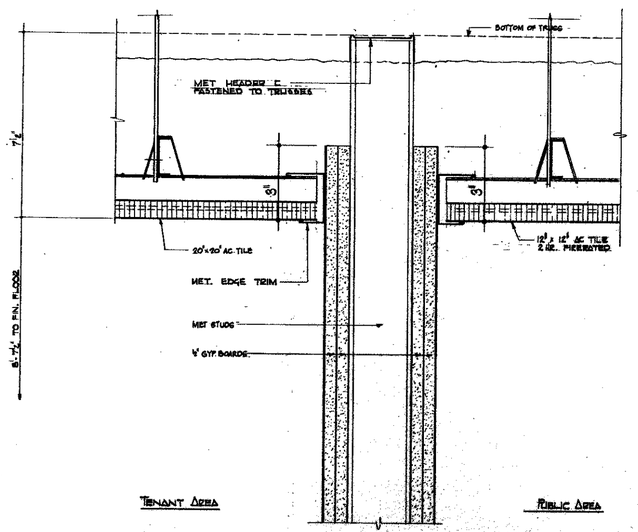
VOID



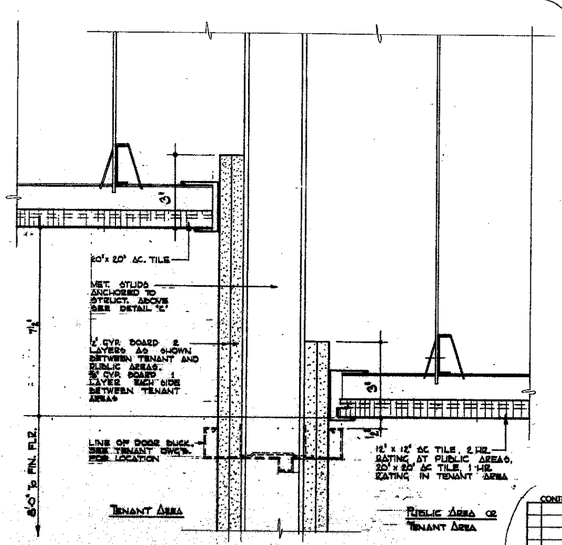
A 219 CROSS SECTION THRU TRUSSES
SCALE 1½"=1'-0"



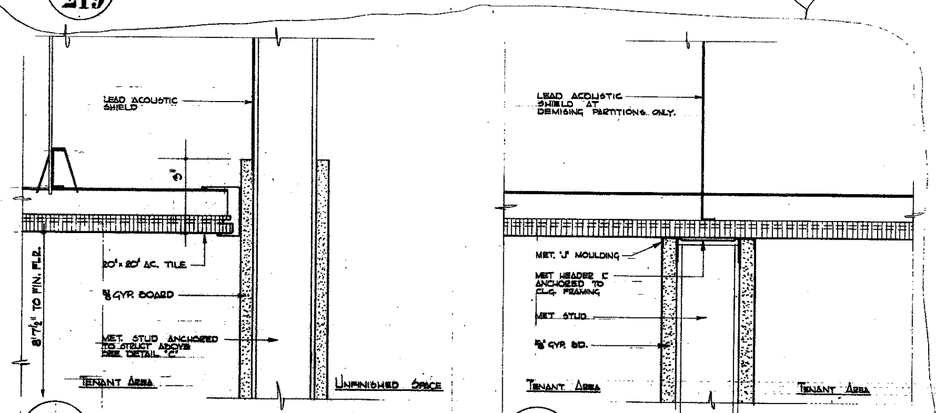
B 219 SECTION PARALLEL TO TRUSSES
SCALE 1½"=1'-0"



C 219 SECTION AT PARTITION BETWEEN TENANT AREA AND PUBLIC AREA OUTSIDE OF CORE
SCALE: HALF FULL SIZE



D 219 SECTION AT CEILING BREAK AT PARTITION
SCALE: HALF FULL SIZE



E 219 SECTION AT DEMISING PARTITION BET TENANT AREA AND UNFINISHED SPACE
SCALE: HALF FULL SIZE

F 219 SECTION AT PARTITION DIVIDING TENANT SPACES
SCALE: HALF FULL SIZE

1½"-1'-0" 9" 3" 6" 1' 2"

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	4-1-71	4-1-71	KJ
2	5-16-70	4-67	KJ
3	6-23-66	4-5	KJ

CONTRACT NO. DRAWING date 2-2-68 Tower 'A' 8-1-68 Tower 'B'

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

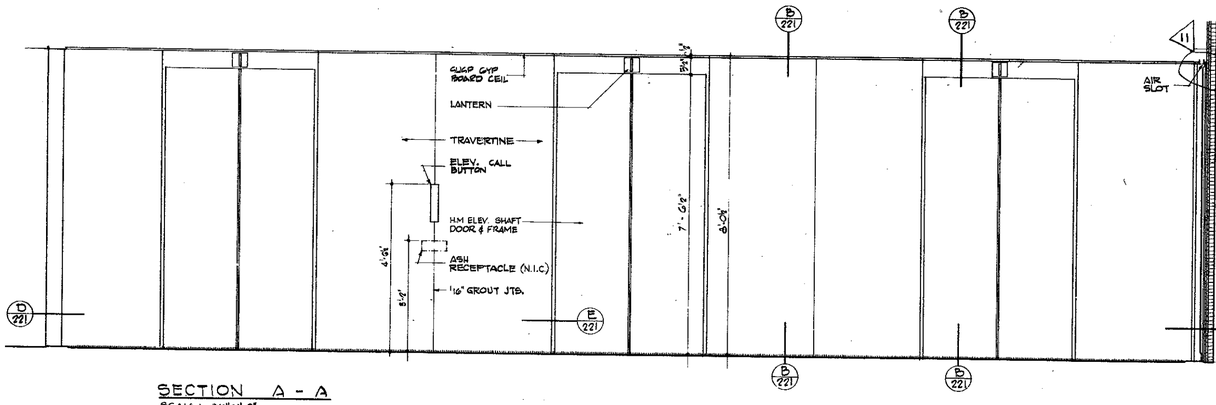
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

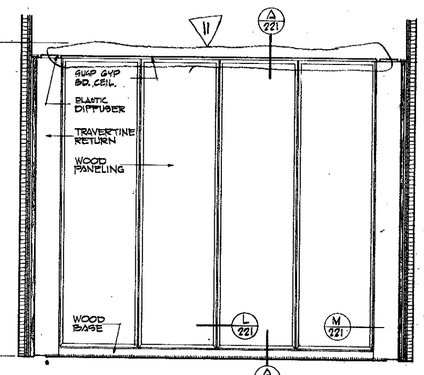
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CEILING DETAILS

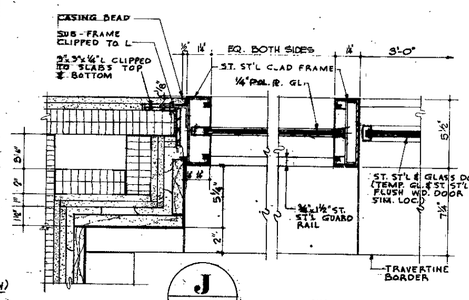
DRAWN	K.J.P	CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT NUMBER	-	SHEET	OF
DRAWING NUMBER	A-AB-219		



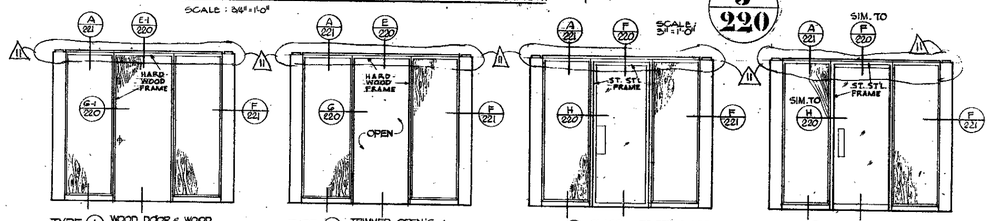
SECTION A - A
SCALE: 3/4"=1'-0"



SECTION B - B (SEE ALT. ELEVATIONS BELOW)
SCALE: 3/4"=1'-0"

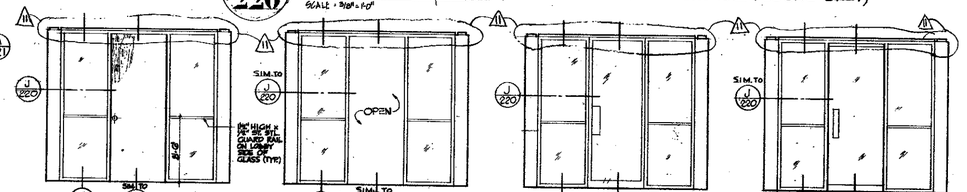


J 220



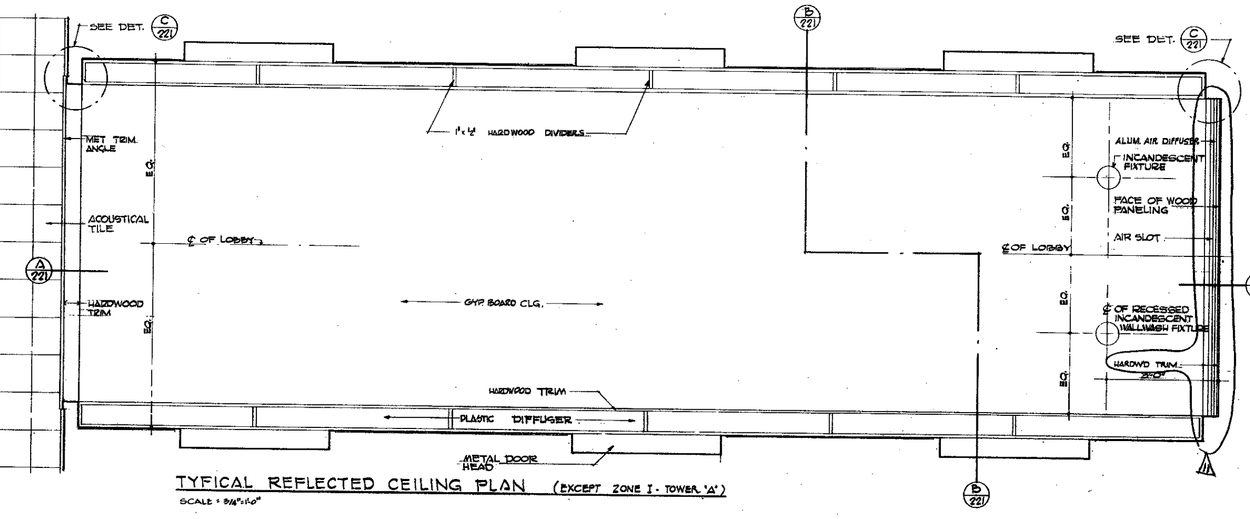
TYPE (1) WOOD DOOR & WOOD SIDE PANELS
TYPE (2) TRIMMED OPEN'G & WOOD SIDE PANELS
TYPE (3) GLASS & ST. ST'L DOOR & WOOD SIDE PANELS
TYPE (4) TEMPERED GLASS & ST. ST'L DOOR & WOOD SIDE PANELS

C 220 ALTERNATE END WALLS (79TH THRU 93RD & 101ST THRU 106TH FLOORS ONLY)
SCALE: 3/4"=1'-0"

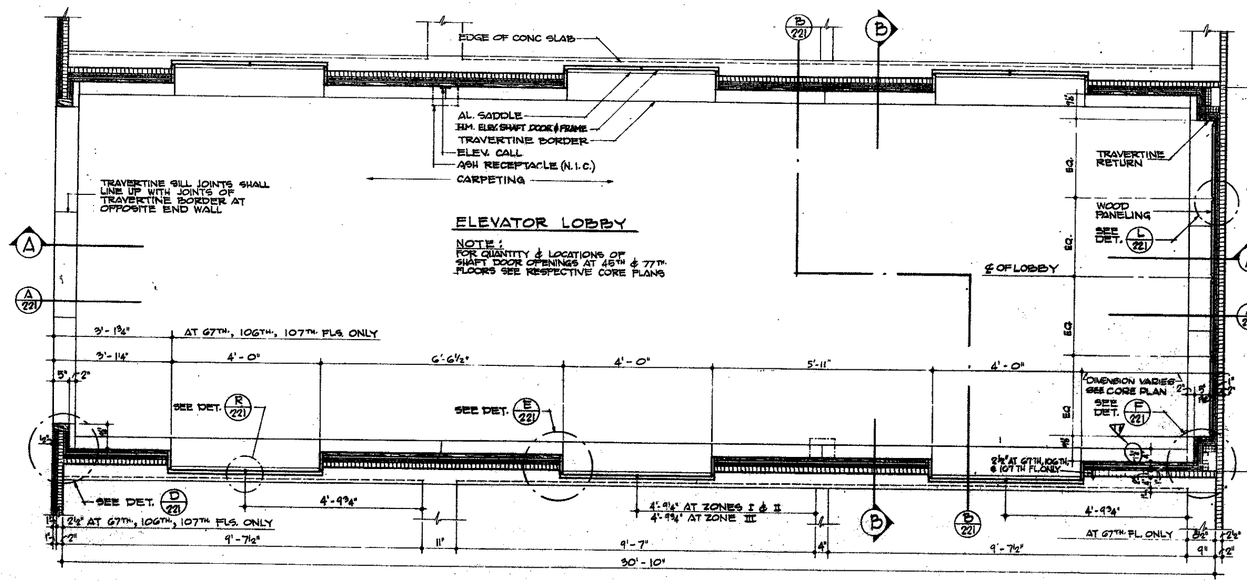


TYPE (5) WOOD DOOR & GLASS SIDE PANELS
TYPE (6) TRIMMED OPENING & GLASS SIDE PANELS
TYPE (7) GLASS & ST. ST'L DOOR & GLASS SIDE PANELS
TYPE (8) TEMPERED GLASS & ST. ST'L DOOR & GLASS SIDE PANELS

D 220 ALTERNATE END WALLS (79TH THRU 93RD FLOORS ONLY)
SCALE: 3/4"=1'-0"

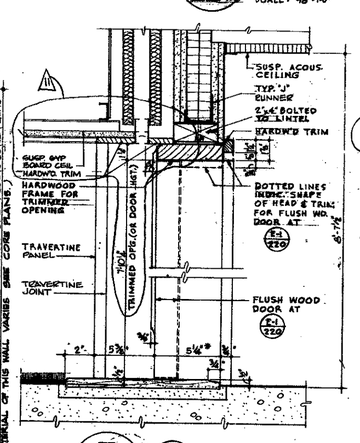


TYPICAL REFLECTED CEILING PLAN (EXCEPT ZONE I - TOWER 'A')
SCALE: 3/16"=1'-0"

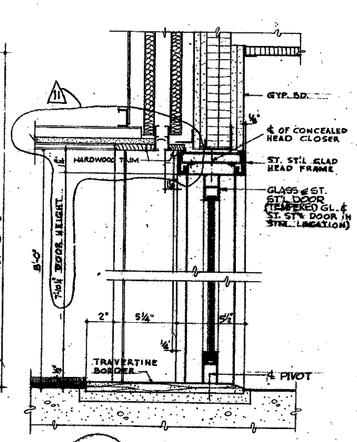


TYPICAL FLOOR PLAN
SCALE: 3/16"=1'-0"

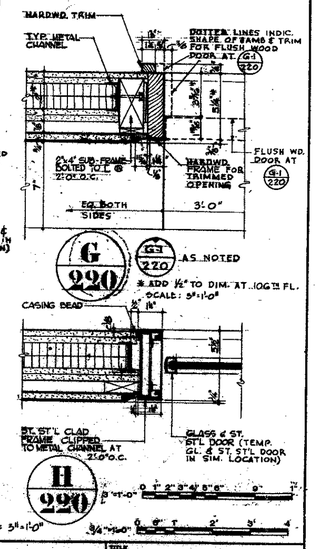
LOBBY WIDTH VARIES - FOR DIMENSIONS SEE FLOOR CORE PLANS
(TYPICAL OF THIS WALL VARIES SEE CORE PLANS)



E 220 E-1 220 AS NOTED
& ADD 1/2" TO DIM. AT 106TH FL.
SCALE: 3"=1'-0"



F 220
SCALE: 3"=1'-0"



G 220 G-1 220 AS NOTED
& ADD 1/2" TO DIM. AT 106TH FL.
SCALE: 3"=1'-0"

H 220
SCALE: 3"=1'-0"

CONTRACT NO.	DRAWING	date	6-7-68 Tower 'A'	8-1-68 Tower 'B'
5-18-71	M-53		RA	
11-6-70	A-29		RM	
5-16-70	A-47		MB	
5-16-70	A-31		MB	
9-29-69	A-37		R.G.	
5-23-69	A-31		J.S	
5-23-69	A-17		J.S.	
5-22-69	A-3		E	
4-22-68	A-3		I.S	
3-21-68			M.W.	

NO.	DATE	SUB. NO.	BY
		REVISIONS	

NO.	DATE	SUB. NO.	BY
1	10-27-71	M-53	S-HI A.K.
		REVISIONS	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

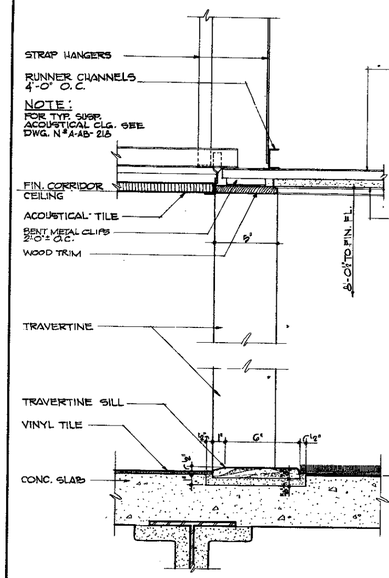
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

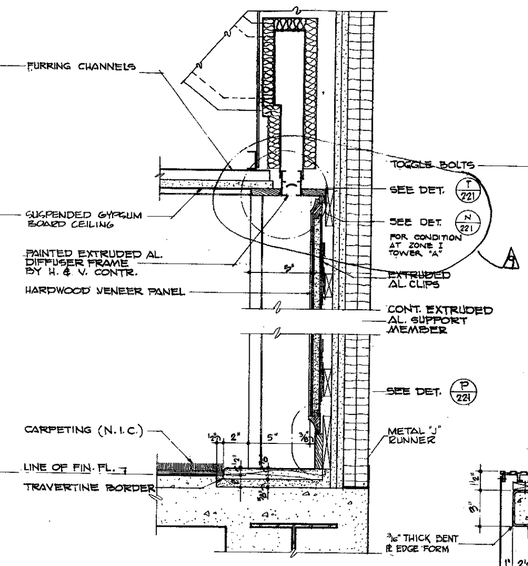
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

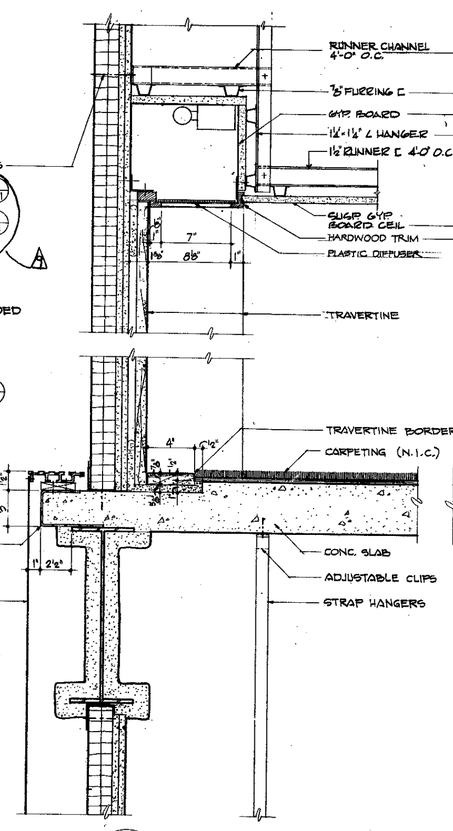
TITLE: TYPICAL LOCAL ELEVATOR LOBBY PLANS & ELEVATIONS

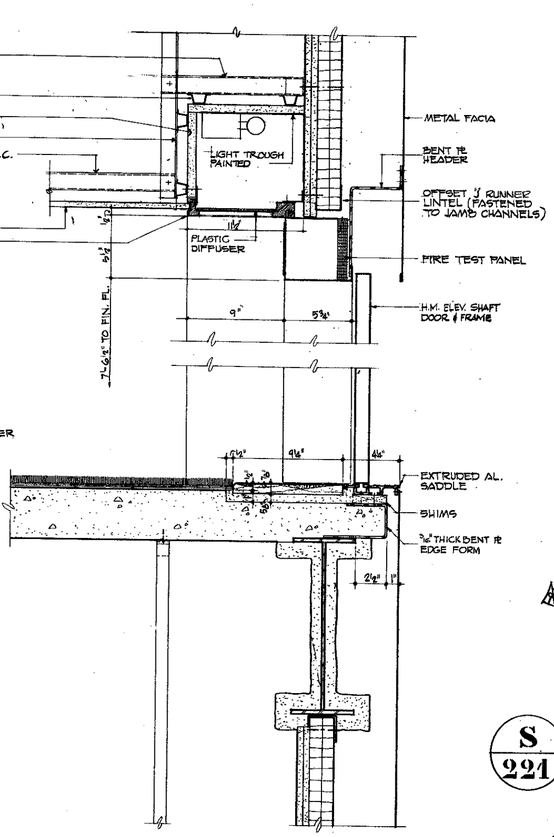
DRAWN	N.A.H.	CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT		SHEET	OF
DRAWING NUMBER	A-AB-220		

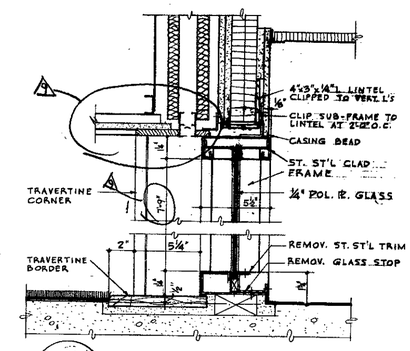




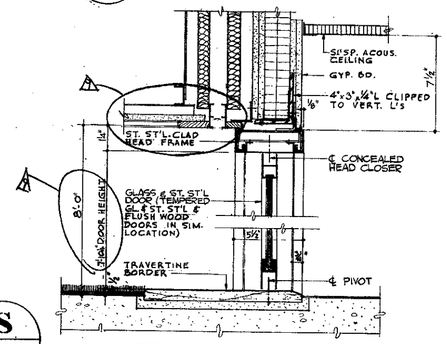
A 221 LOCAL ELEV. LOBBY LONGITUDINAL SECTION (EXCEPT AT ZONE I - TOWER A)



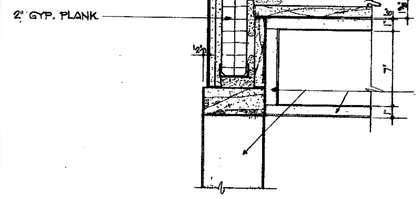


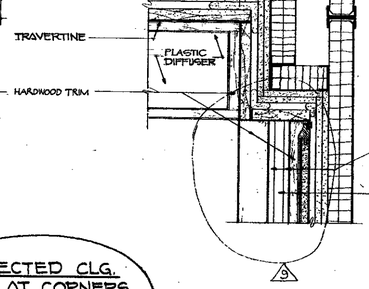


R 221



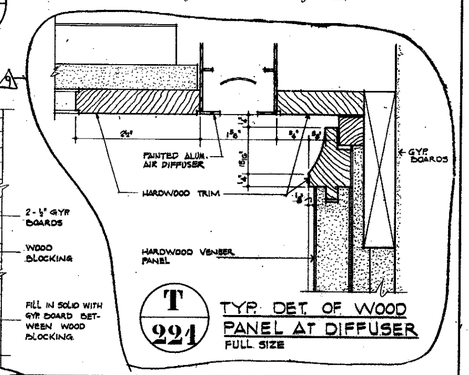
S 221



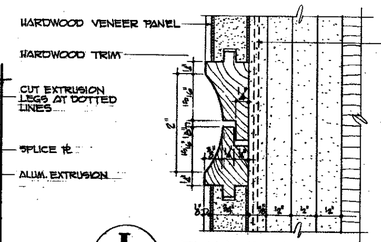


C 221 REFLECTED CLG. PLAN AT CORNERS (EXCEPT AT ZONE I TOWER A)

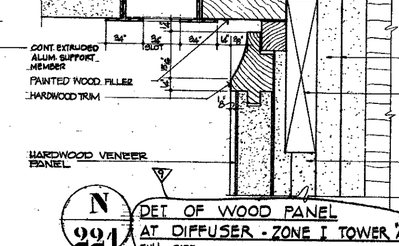
B 221 LOCAL ELEV. LOBBY CROSS SECTION SCALE: 3" = 1'-0"



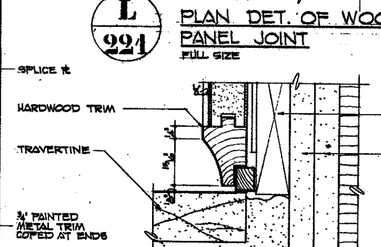
T 221 TYP. DET. OF WOOD PANEL AT DIFFUSER FULL SIZE



G 221 HALF SIZE

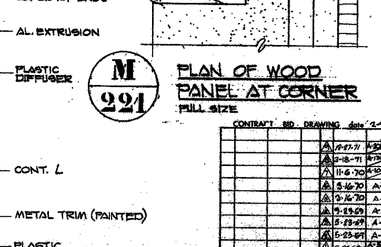


N 221 DET. OF WOOD PANEL AT DIFFUSER - ZONE I TOWER 'A' FULL SIZE

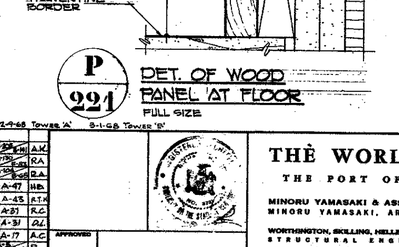


H 221 HALF SIZE

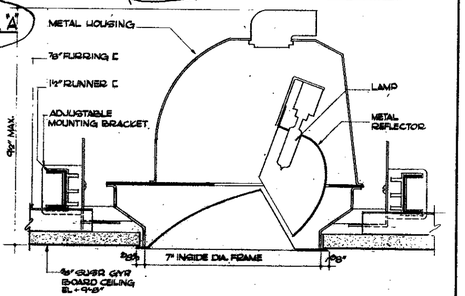
L 221 PLAN DET. OF WOOD PANEL JOINT FULL SIZE



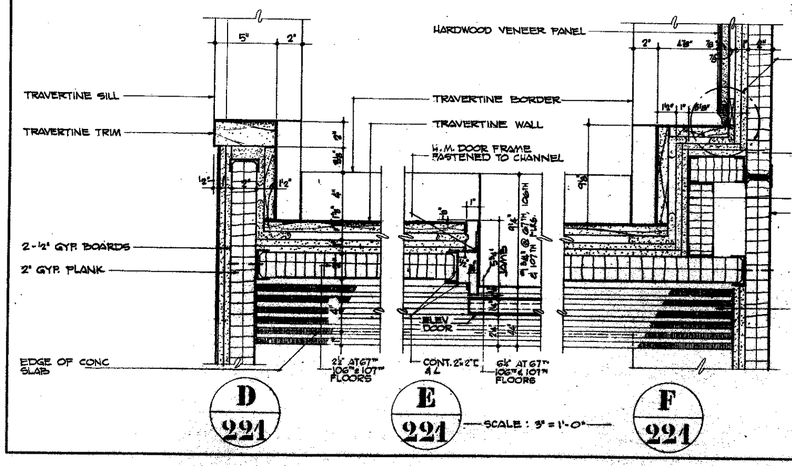
M 221 PLAN OF WOOD PANEL AT CORNER FULL SIZE



P 221 DET. OF WOOD PANEL AT FLOOR FULL SIZE



Q 221 SECTION THRU RECESSED INCANDESCENT WALL WASH HALF SIZE



D 221 E 221 F 221 SCALE: 3" = 1'-0"

J 221 HALF SIZE VOID

K 221 HALF SIZE

NO.	DATE	REVISIONS	BY
	6-27-71		A.M.
	8-18-71		R.A.
	11-5-70		R.A.
	5-16-70	A-47	H.B.
	9-16-70	A-45	A.T.M.
	5-29-69	A-31	R.C.
	5-29-69	A-31	R.A.
	5-23-69	A-17	A.C.
	10-20-68	A-5	E.

CONTRACT BID DRAWING date 2-9-68 Towers 'A' 8-1-68 Tower 'B'

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

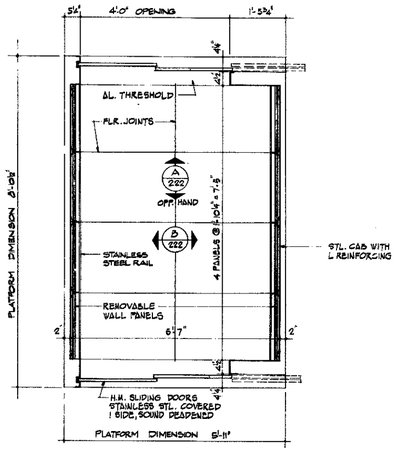
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

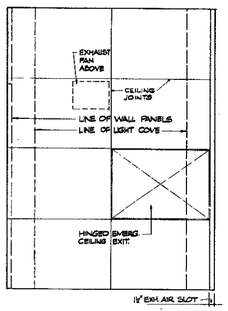
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL LOCAL ELEVATOR LOBBY DETAILS

DRAWN	N.A.W.	CHECKED	
SCALE	3"=1'-0" & AS SHOWN	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	A-AB-221		

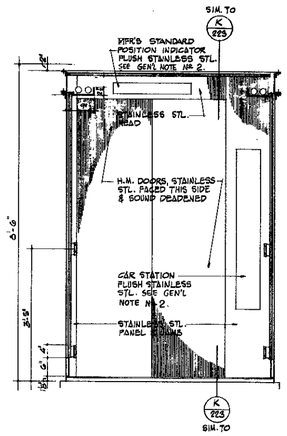


PLAN FREIGHT ELEVATOR №99

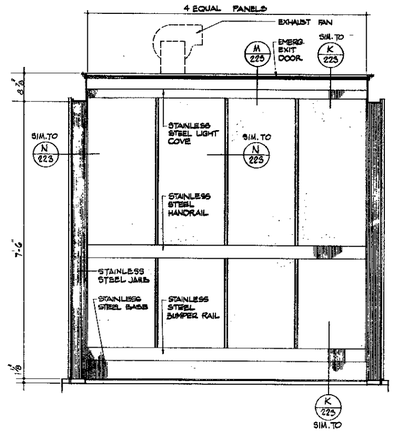


NOTE:
FOR WALL, FLOOR & CEILING FINISHES SEE SPECIFICATION

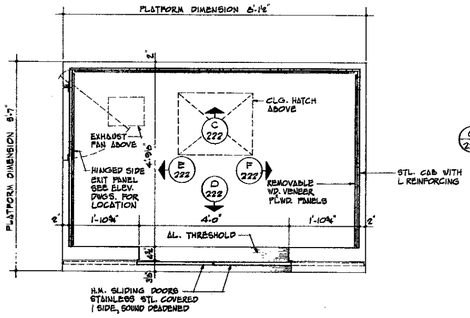
REFLECTED CEILING PLAN



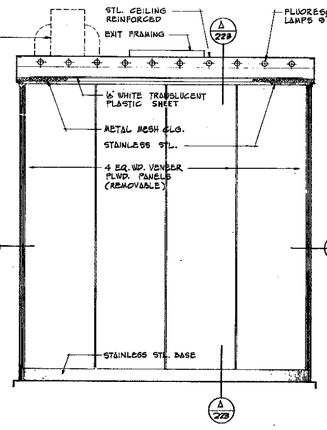
ELEVATION A 222



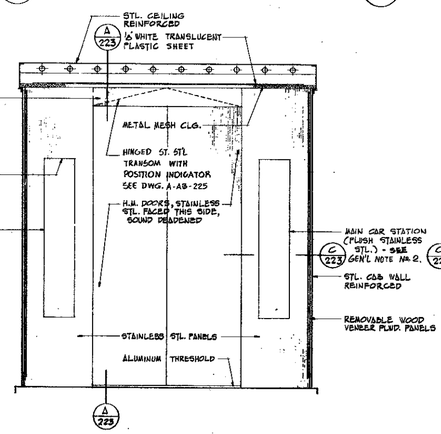
ELEVATION B 222



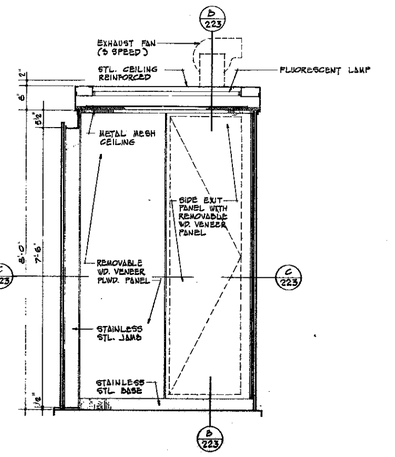
PLAN LOCAL PASSENGER ELEVATOR CAB (TYP.)



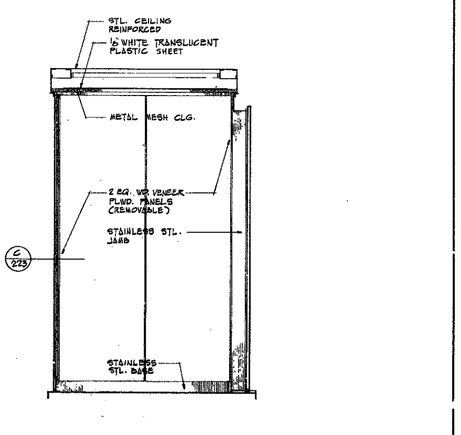
ELEVATION C 222



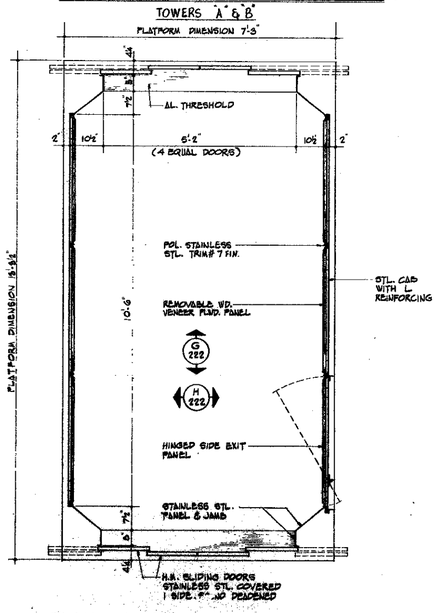
ELEVATION D 222



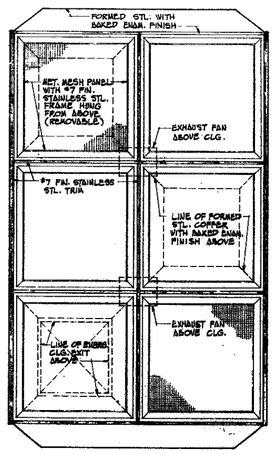
ELEVATION E 222



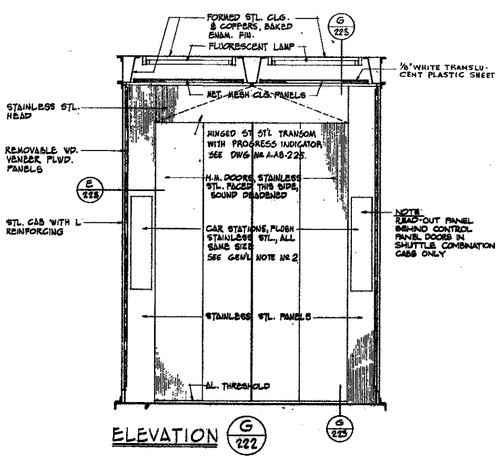
ELEVATION F 222



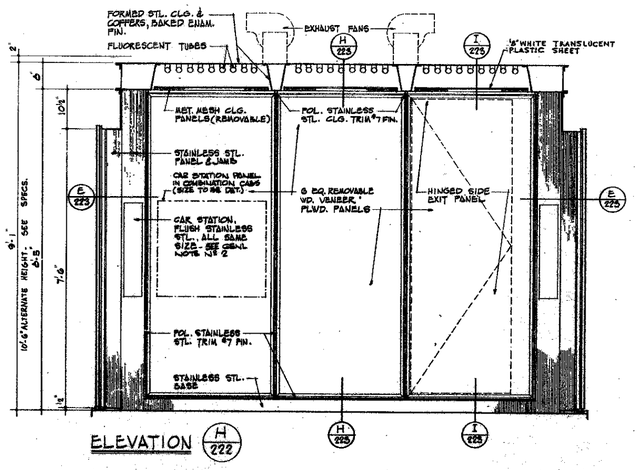
PLAN SHUTTLE PASSENGER ELEVATOR CAB
(COMBINATION CABS TO BE SIMILAR-SEE SPECIFICATION)
TOWERS A & B



REFLECTED CEILING PLAN



ELEVATION G 222



ELEVATION H 222

GENERAL NOTES

1. ALL STAINLESS STEEL SURFACES TO RECEIVE № 4 FINISH EXCEPT AS OTHERWISE INDICATED.
2. SIZES AND LOCATIONS OF CUT-OUTS FOR CAR STATION PANELS, FLOOR POSITION INDICATORS, ETC. SHALL BE AS DIRECTED BY ELEVATOR CONTRACTOR.

CONTRACT BID DRAWING date 2-1-68 Towers 'A' 3-1-68 Towers 'B'

NO.	DATE	REVISIONS	BY

NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

3/8"=1'-0" 0 6" 1' 2' 3' 4'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

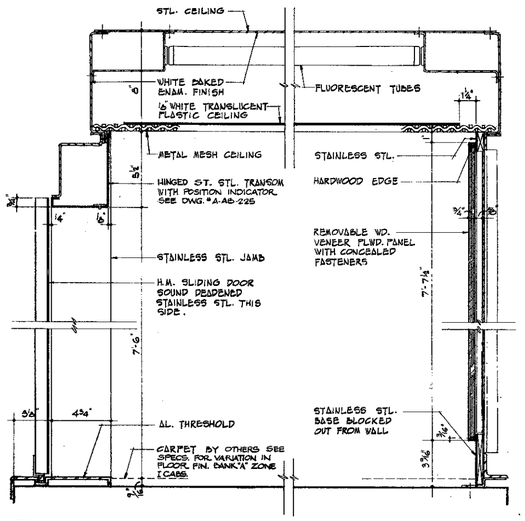
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

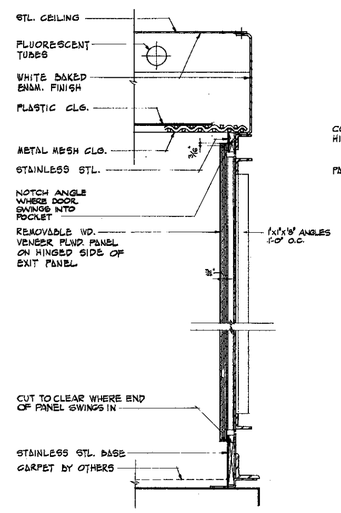
TITLE: TYPICAL ELEVATOR CAB PLANS AND ELEVATIONS

DRAWN	J.G.C.	CHECKED	
SCALE	3/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF

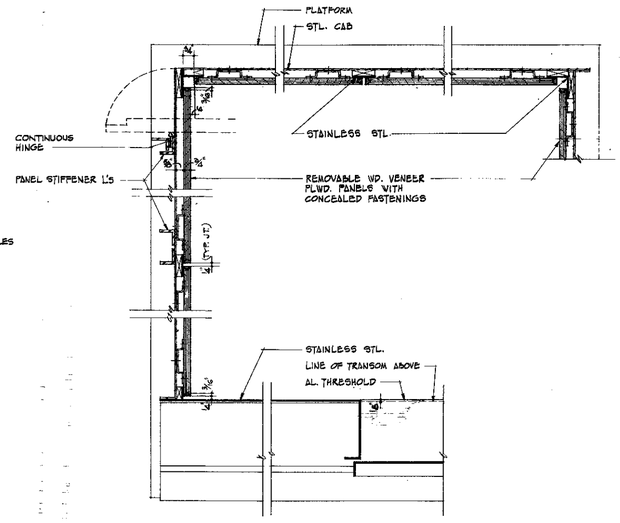
DRAWING NUMBER: A-AB-222



A 223 TYPICAL SECTION THROUGH ENTRANCE DOOR



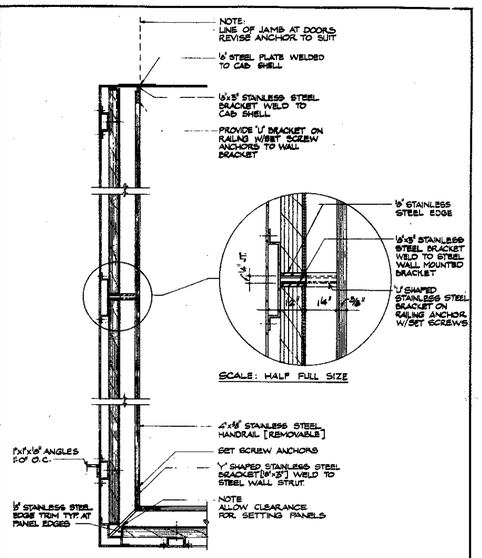
B 223 SECTION AT SIDE EXIT PANEL



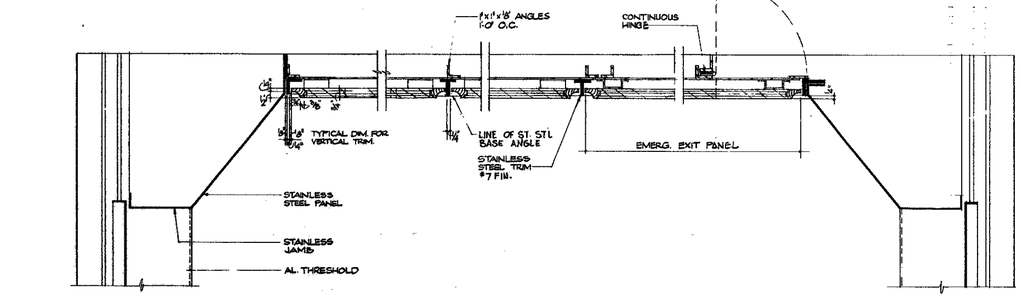
C 223 PLAN DETAIL

LOCAL PASSENGER ELEVATOR CAB DETAILS

NOTE: ALL STAINLESS STEEL SHOWN TO BE #4 FINISH EXCEPT AS OTHERWISE NOTED.

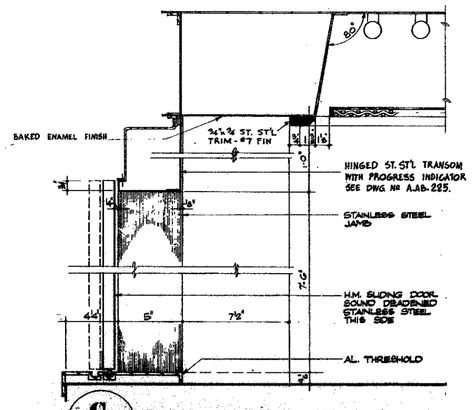


N 223 PLAN DETAIL

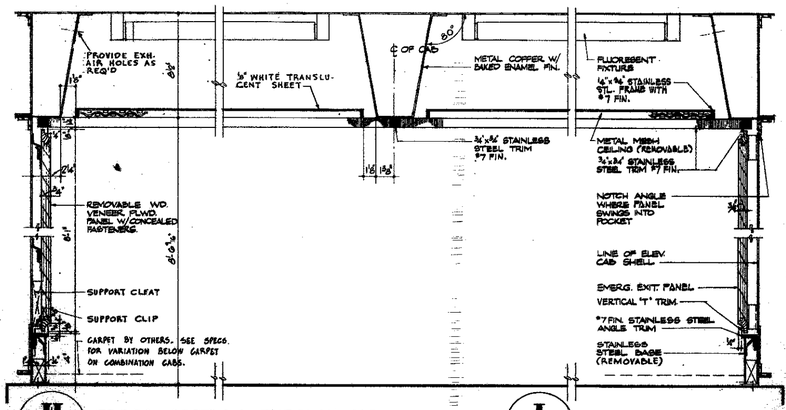


E 223 PLAN DETAIL

KEY
STAINLESS STL. ———
SHEET MET. & STRUCT. STL. ———



G 223 TYPICAL SECTION THROUGH ENTRANCE DOOR

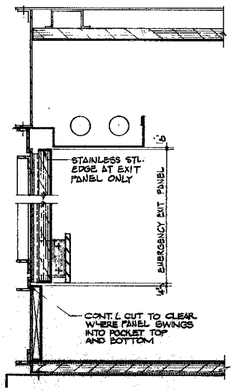


H 223 CROSS-SECTION THROUGH CAB

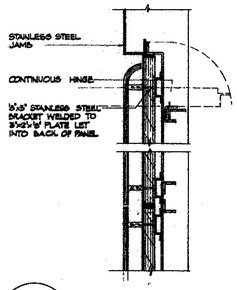
I 223 SIDE EXIT PANEL

SHUTTLE ELEVATOR CAB DETAILS

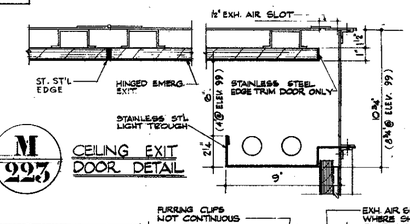
NOTE; ALL STAINLESS STL SHOWN TO BE #4 FINISH, EXCEPT AS OTHERWISE NOTED.



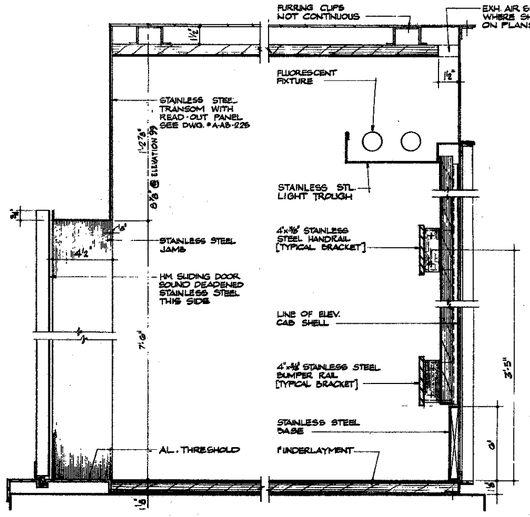
L 223 SECTION THROUGH EMERG. EXIT PANEL



J 223 EMERGENCY EXIT PANEL DETAIL



M 223 CEILING EXIT DOOR DETAIL



K 223 TYPICAL SECTION THROUGH ENTRANCE DOOR

NOTE: FOR FLOOR, WALL, & CEILING FINISHES SEE SPECS. ALL STAINLESS STL. SHOWN TO BE #4 FIN. EXCEPT AS OTHERWISE NOTED.

FREIGHT ELEVATOR CAB DETAILS

CONTRACT NO. DRAWING &: 2-9-60 Tower 'A' B-1-68 Tower 'B'

3"=1'-0" 0 1" 2" 3"-4" 5"-6" 9"

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

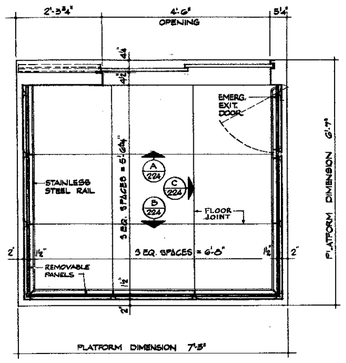
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

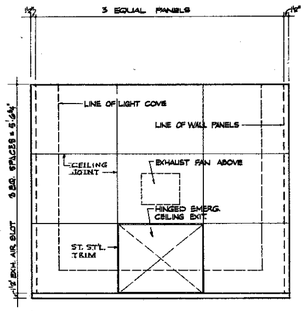
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL ELEVATOR CAB DETAILS

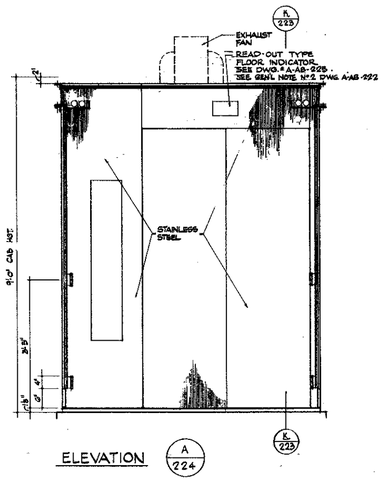
DRAWN	A.G.C. V.P.	CHECKED	
SCALE	3"=1'-0" AND AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-223		



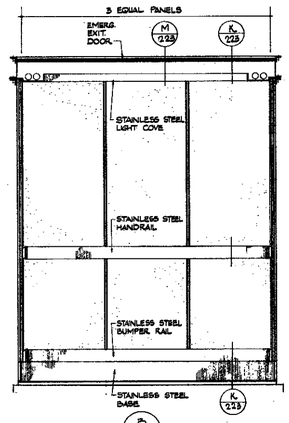
PLAN FREIGHT ELEVATOR Nº 48
TOWERS 'A' & 'B'



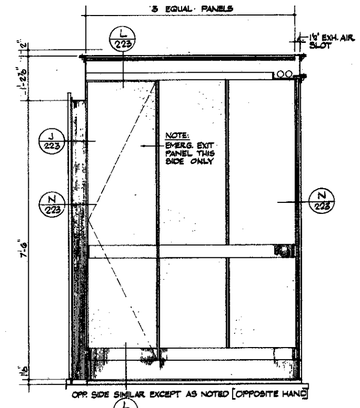
REFLECTED CEILING PLAN



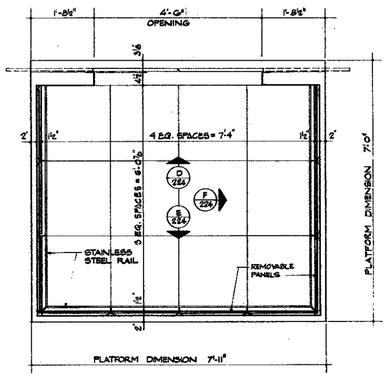
ELEVATION A 224



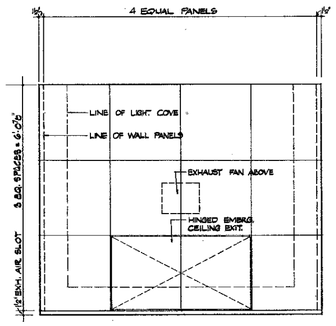
ELEVATION B 224



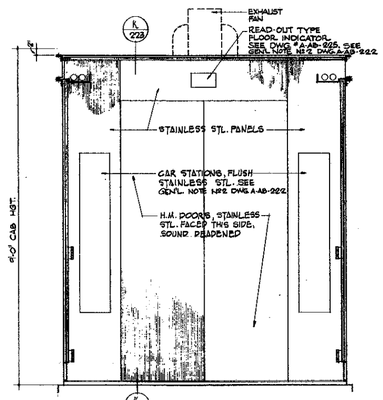
ELEVATION C 224



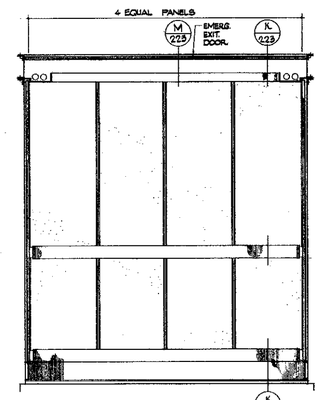
PLAN FREIGHT ELEVATOR Nº 49
TOWERS 'A' & 'B'



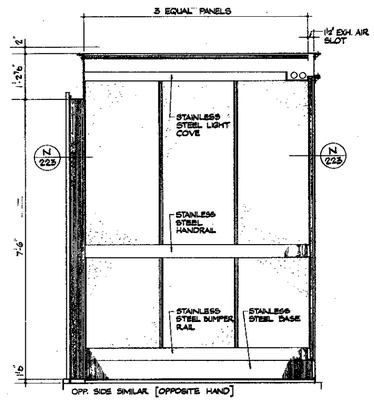
REFLECTED CEILING PLAN



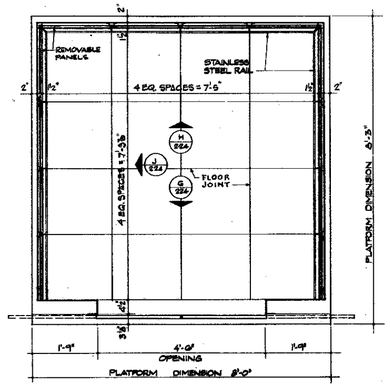
ELEVATION D 224



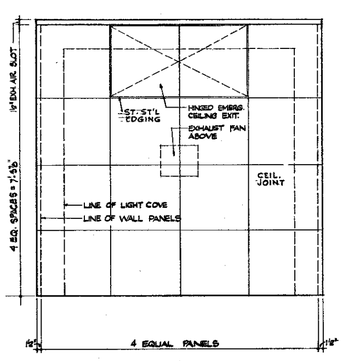
ELEVATION E 224



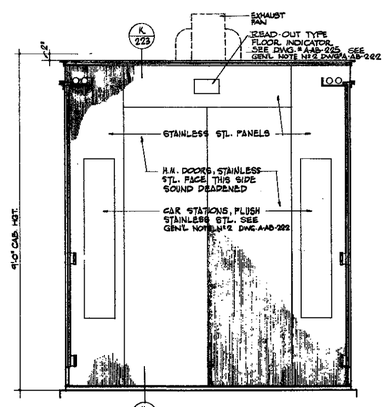
ELEVATION F 224



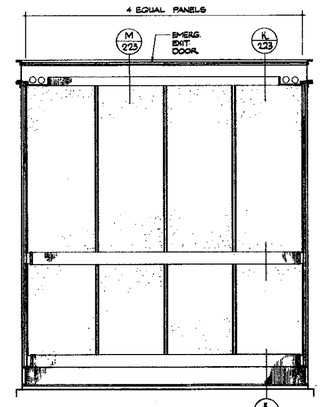
PLAN FREIGHT ELEVATOR Nº 50
TOWERS 'A' & 'B'



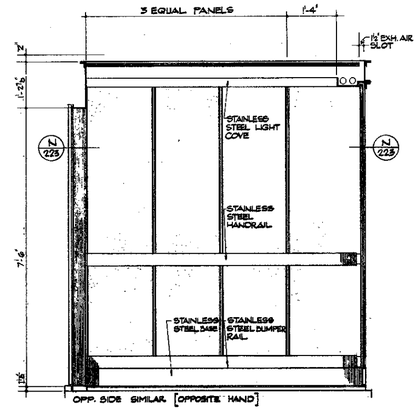
REFLECTED CEILING PLAN



ELEVATION G 224



ELEVATION H 224



ELEVATION J 224

NOTE:
1. FOR WALL, FLOOR, & CEILING FINISHES SEE SPECIFICATION
2. ALL STAINLESS STEEL SHOWN SHALL BE #4 FINISH

CONTRACT BID DRAWING date 2-1-46 Towers 'A' 5-1-46 Towers 'B'

NO. DATE SUB. NO. BY REVISIONS

NO. DATE SUB. NO. BY REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

3/4"=1'-0" 0 6" 1' 2' 3' 4'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

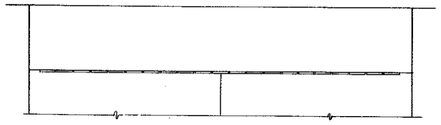
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

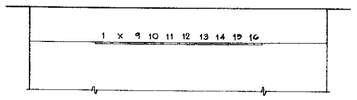
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FREIGHT ELEVATOR CABS PLANS AND ELEVATIONS

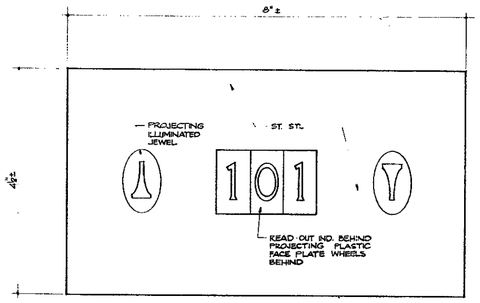
DRAWN	V/P	CHECKED	
SCALE	3/4"=1'-0"	DATE	7-31-47
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-224		



ELEVATION OF TYPICAL PROGRESS INDICATOR
SCALE: 1½" = 1'-0"



ELEVATION OF TYPICAL POSITION INDICATOR
SCALE: 1½" = 1'-0"

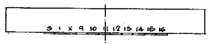


FLOOR INDICATOR
SCALE FULL SIZE

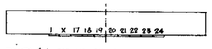
FOR FREIGHT ELEVATORS Nº 48, 49, 150, FREIGHT ELEVATOR Nº 99 TO RECEIVE MANUFACTURER'S STANDARD FLOOR INDICATOR.



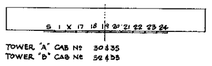
TOWER "A" CAB Nº 25 TO 28 INCL.
TOWER "B" CAB Nº 24, 25, 28, 29



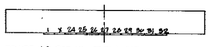
TOWER "A" CAB Nº 24 & 28
TOWER "B" CAB Nº 26 & 27



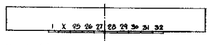
TOWER "A" CAB Nº 31 TO 34 INCL.
TOWER "B" CAB Nº 30, 31, 34, 35



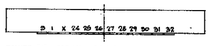
TOWER "A" CAB Nº 30 & 35
TOWER "B" CAB Nº 32 & 33



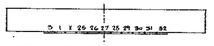
TOWER "A" CAB Nº 37 TO 40 INCL.



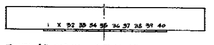
TOWER "B" CAB Nº 37 TO 40 INCL.



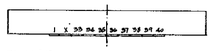
TOWER "A" CAB Nº 36 & 41



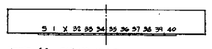
TOWER "B" CAB Nº 36 & 41



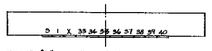
TOWER "A" CAB. Nº 43 TO 46 INCL.



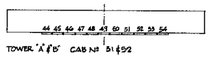
TOWER "B" CAB Nº 43 TO 46 INCL.



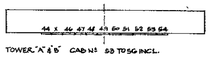
TOWER "A" CAB Nº 42 & 47



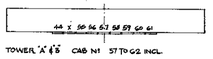
TOWER "B" CAB Nº 42 & 47



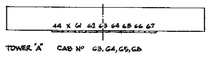
TOWER "A" & "B" CAB Nº 51 & 52



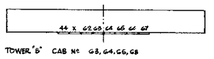
TOWER "A" & "B" CAB Nº 53 TO 56 INCL.



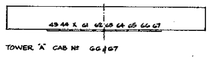
TOWER "A" & "B" CAB Nº 57 TO 62 INCL.



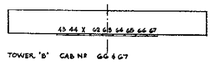
TOWER "A" CAB Nº 63, 64, 65, 66



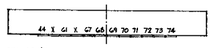
TOWER "B" CAB Nº 63, 64, 65, 66



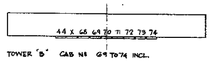
TOWER "A" CAB Nº 64 & 67



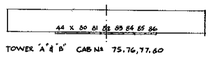
TOWER "B" CAB Nº 64 & 67



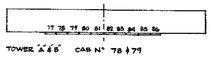
TOWER "A" CAB Nº 69 TO 74 INCL.



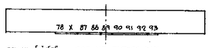
TOWER "B" CAB Nº 69 TO 74 INCL.



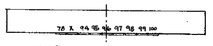
TOWER "A" & "B" CAB Nº 75, 76, 77, 80



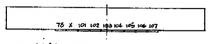
TOWER "A" & "B" CAB Nº 78 & 79



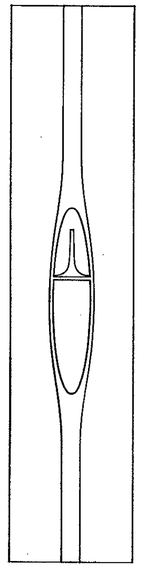
TOWER "A" & "B" CAB Nº 81 TO 86 INCL.



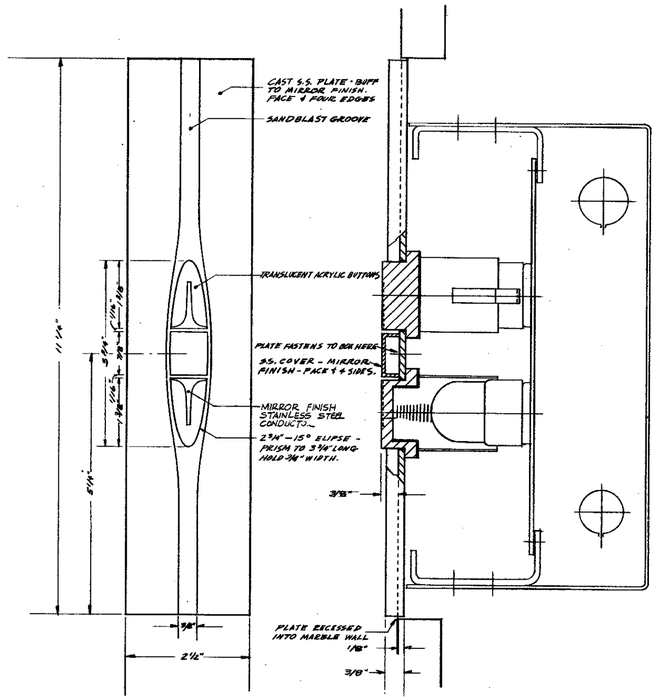
TOWER "A" & "B" CAB Nº 87 TO 92 INCL.



TOWER "A" & "B" CAB Nº 93 TO 98 INCL.

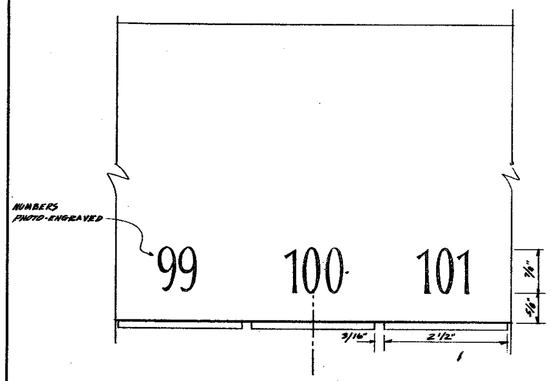


TERMINAL - BOTTOM LANDING SHOWN

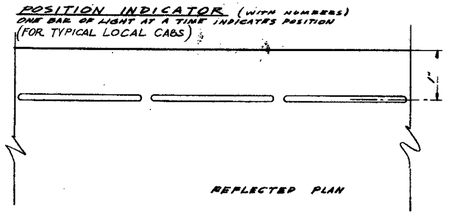


ELECTRONIC HALL BUTTON FIXTURE

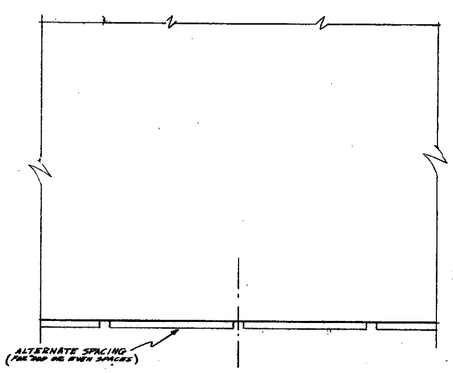
VARIATIONS IN POSITION INDICATORS
NO SCALE



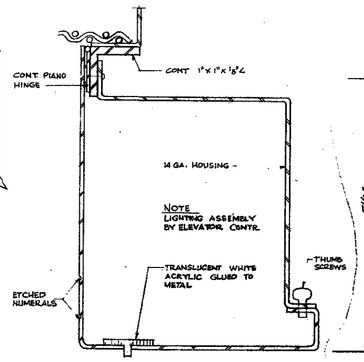
POSITION INDICATOR (WITH NUMBERS)
ONE BAR OF LIGHT AT A TIME INDICATES POSITION
(FOR TYPICAL LOCAL CABS)



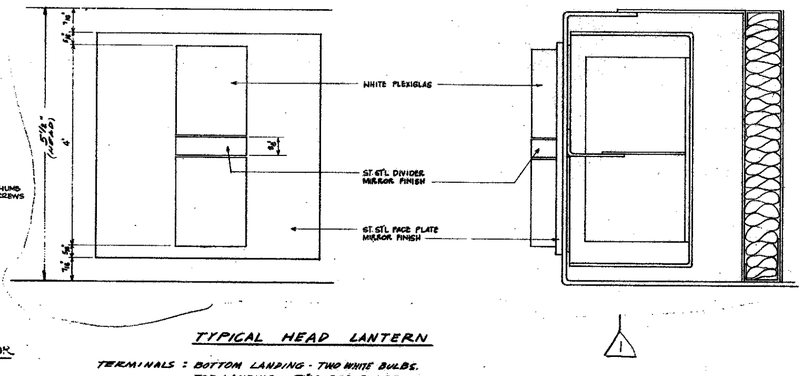
CAB HEAD INDICATORS



PROGRESS INDICATOR (NO NUMBERS)
BARS OF LIGHT ACCUMULATE INDICATING RELATIVE PROGRESS - ALL LIGHTS TURN OFF AT TERMINALS
(FOR ALL TYPICAL SHUTTLE PASSENGER & SHUTTLE COMBINATION CABS)



SECTION THRU POSITION INDICATOR
[PROGRESS INDICATOR SIMILAR]



TYPICAL HEAD LANTERN

TERMINALS: BOTTOM LANDING - TWO WHITE BULBS.
TOP LANDING - TWO RED BULBS.

CONTRACT, SID DRAWING: date 8-9-68 Tower 'A' 8-1-68 Tower 'B'

FULL SIZE

NO.	DATE	SUB. NO.	BY
REVISIONS			
4	11-6-70	Misc	ET.A
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLES & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR ACCESSORY DETAILS

DRAWN	[illegible]	CHECKED	
SCALE	FULL SIZE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-225		

NORTH

TOWER 'A'

NORTH

TOWER 'B'

TRANSFER LOBBY

CARPET (N.I.C.)

DOOR, FRAME, & SADDLE N.I.C.

MARBLE SADDLE

MARBLE SILL

CROSS CORRIDOR NORTH

STAIR #3

MARBLE BORDER

MARBLE BORDER JOINTS

STAINLESS STL & GLASS RAILING, SEE DETAILS DWG.A48-235

FOR ESCALATOR DETAILS, SEE DWG.A48-235

ESCALATOR A-43-03

ESCALATOR A-44-03

UP FROM 43RD FL.

DN TO 43RD FL.

OF UPPER & LOWER WORKING POINTS

4'-6"

UPPER LANDING WORKING POINT EL. (40'-0 1/2")

LOWER LANDING WORKING POINT EL. (10'-0")

LOCAL ELEVATOR LOBBY - BANK 'C'

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK 'B'

LOCAL ELEVATOR LOBBY - BANK 'D'

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK 'B'

LOCAL ELEVATOR LOBBY - BANK 'B'

LOCAL ELEVATOR LOBBY - BANK 'A'

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK 'B'

CARPET OVER ACCESS PANELS (N.I.C.)

MAIL CHUTE SEE DETAILS DWG. NO. A48-235

BUILDING DIRECTORY - ZONE II SEE DETAILS DWG. NO. A48-234

MARBLE BORDER

METAL SADDLE

OPP HAND

EQUAL

8'-0"

9'-6"

10'-1"

9'-0"

155'-1"

MAIN CORRIDOR

CARPET (N.I.C.)

MARBLE SILL JOINT

WEST VESTIBULE

EAST VESTIBULE

NOMINAL LOCATION OF PARTITION. FINAL LOCATION TO BE DETERMINED BY TENANT REQUIREMENTS.

DOORS, FRAME & SADDLE N.I.C.

STAIR #2

STAIR #1

STAIR CORRIDOR #2

STAIR CORRIDOR #1

CROSS CORRIDOR SOUTH

SUNDIAL CHUTE SEE DETAILS DWG. NO. A48-235

ELEVATOR CONTROL PANELS

SIM. TO

CORRIDOR CONDITION AT TOWER 'B' ONLY

PART PLAN AT 45TH FL.

VT FINISH

NOTES

1. — ALL DIMENSIONS SHOWN ARE FROM FINISH TO FINISH.
2. — ALL DOORS SHOWN, PROVIDING ACCESS TO TENANT AREAS, SHALL BE IN ADDITION TO OTHER LEGAL MEANS OF REQUIRED EXITS.
3. — SEE CORE PLAN FOR ROUGH PARTITION DIMENSIONS.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
7	10-70	A-253	L.J.
6	5-9-70	A-252	AC
5	6-2-71	A-251	AC
4	5-6-70	A-250	R.A.
3	3-19-71	A-249	R.A.
2	11-6-70	A-248	R.A.
1	8-6-70	A-247	M.B.
0	5-16-70	A-83	M.B.
9	9-29-69	A-80	D.L.
8	3-21-69		M.W.

REVISIONS

NO.	DATE	BUL. NO.	BY

PRIOR REVISIONS

CONTRACT BID DRAWING date 2-2-68 Tower 'A' 5-1-68 Tower 'B'

APPROVED

CHIEF, PLANNING DIVISION

DATE

3/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKELLING, HELMLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 44TH FLOOR SKYLOBBY PLAN

DRAWN	A.B.	CHECKED	
SCALE	1/4"= 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AR-996		

NORTH

TOWER 'A'

NORTH

TOWER 'B'

MARBLE SADDLE

CARPET (N.I.C.)

STAIR #2

STAIR CORRIDOR #2

CROSS CORRIDOR NORTH

CARPET (N.I.C.)

STAIR #1

STAIR CORRIDOR #1

MARBLE SADDLE

CARPET (N.I.C.)

WEST VESTIBULE

NOMINAL LOCATION OF PARTITION. FINAL LOCATION TO BE DETERMINED BY TENANT REQUIREMENTS.

MARBLE SILL JOINT

MAIN CORRIDOR

ELEVATOR CONTROL PANELS

BUILDING DIRECTORY ZONE II SEE DETAILS, DWG. A-AB-234

CARPET (N.I.C.)

MARBLE SILL

EAST VESTIBULE

NOMINAL LOCATION OF PARTN. FINAL LOCATION TO BE DETERMINED BY TENANT REQUIREMENTS.

MARBLE SADDLE

CARPET (N.I.C.)

134'-10"

9'-3" 5'-2" 4'-3" 5'-2" 6'-5" 5'-2" 4'-3" 5'-2" 6'-5" 5'-2" 4'-3" 5'-2" 3'-7½" 6'-6" 3'-7½" 5'-2" 4'-3" 5'-2" 6'-5" 5'-2" 4'-3" 5'-2" 6'-5" 5'-2" 4'-3" 5'-2" 5'-8"

9'-3" 8'-0" 18'-3" 8'-7" 9'-8½" 3'-10½" 6'-2½" 6'-0" 6'-7⅝" 6'-8¼" 6'-7⅝" 8'-0" 18'-3" 8'-0" 9'-3"

MARBLE BORDER

STAINLESS STEEL AND GLASS RAILING SEE DETAILS DWG. A-AD-235

ESCALATOR A-10B-10

ESCALATOR A-9B-10

UP FROM 78TH FL.

UP FROM 79TH FL.

LOCAL ELEVATOR LOBBY- BANK "D"

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK "D"

LOCAL ELEVATOR LOBBY- BANK "C"

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK "D"

LOCAL ELEVATOR LOBBY- BANK "A"

FINISH DIMENSIONS & ELEVATION INDICATIONS SIMILAR TO LOBBY BANK "D"

FOR ESCALATOR DETAILS, SEE DWG. A-AB-235

CARPET OVER ACCESS PANELS (N.I.C.)

LOWER LANDING WORKING POINT EL. 1020.00

UPPER LANDING WORKING POINT EL. 1076.17

BUNDLE & MAIL CHUTES

MARBLE SADDLE

CARPET (N.I.C.)

CROSS CORRIDOR SOUTH

MARBLE SADDLE

MARBLE SADDLE

EQUAL EQUAL EQUAL

MARBLE BORDER

METAL SADDLE

MARBLE BORDER

LOCAL ELEVATOR LOBBY "D"

CARPET (N.I.C.)

OPP. HAND

SIM. TO

CARPET OVER ACCESS PANELS (N.I.C.)

VINYL TILE FINISH

PART PLAN AT 79TH FL.

NOTES

1. – ALL DIMENSIONS SHOWN ARE FROM FINISH TO FINISH.
2. – ALL DOORS SHOWN, PROVIDING ACCESS TO TENANT AREAS, SHALL BE IN ADDITION TO OTHER LEGAL MEANS OF REQUIRED EXITS.
3. – SEE CORE PLAN FOR ROUGH PARTN. DIMENSIONS.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	7-10-68	A-37	BUR.
2	10-10-68	A-39	B.D.
3	3-6-70	A-46	M.F.
4	3-17-71	A-53	K.A.
5	11-6-70	A-48	B.A.
6	8-20-70	A-47	M.R.
7	9-23-68	A-38	P.L.
8	6-20-68	A-34	R.
9	3-21-68	A-31	M.W.

REVISIONS

NO.	DATE	BUL. NO.	BY

REVISIONS

CONTRACT BID. DRAWING date 2-9-68 Towers 'A' 5-1-68 Tower 'B'

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"-1'-0" 0 1' 2' 3' 4' 8 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

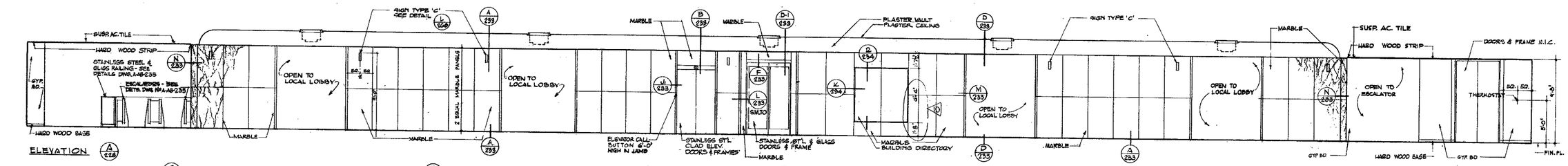
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

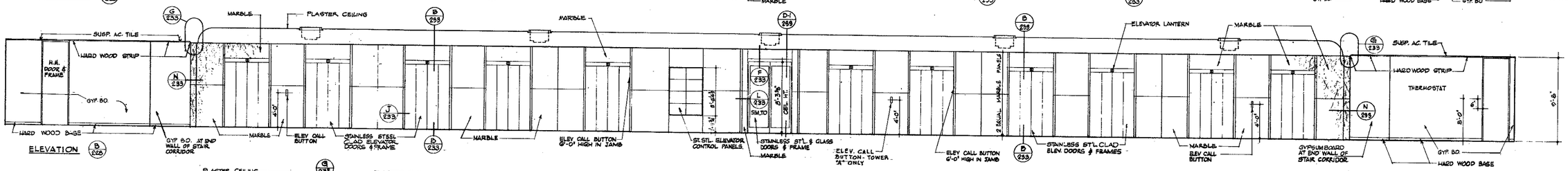
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

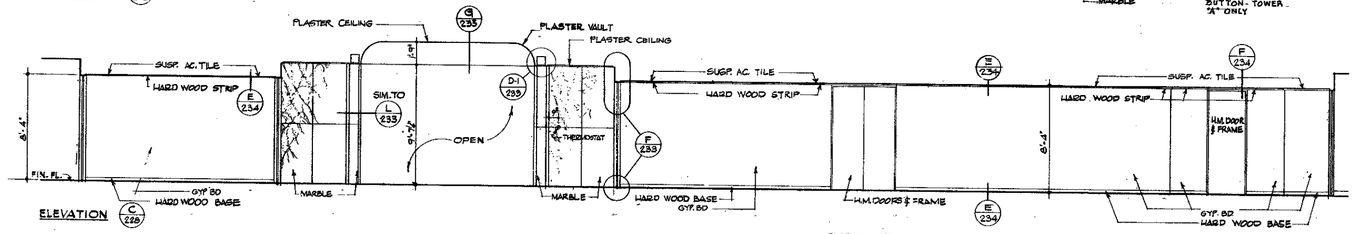
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

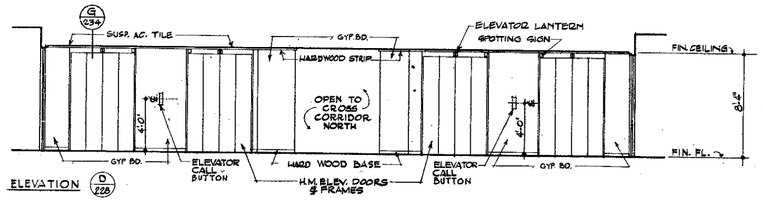
TITLE: 78TH FLOOR SKYLOBBY PLAN

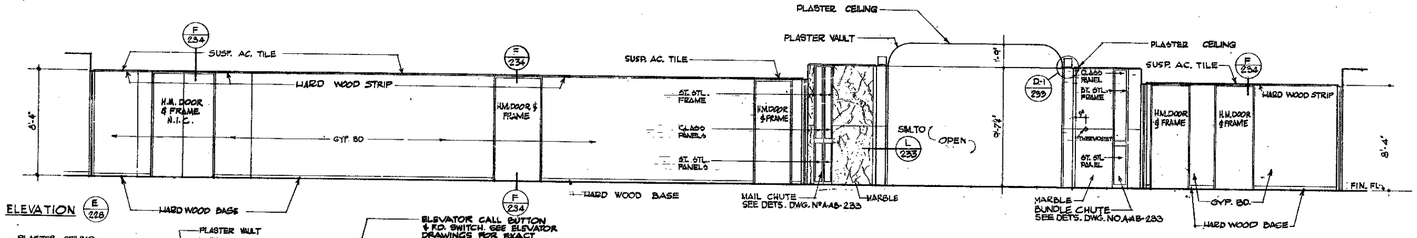
DRAWN	A.B.	CHECKED	
SCALE	¼"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-227		

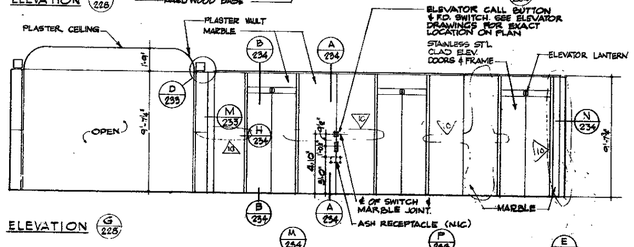


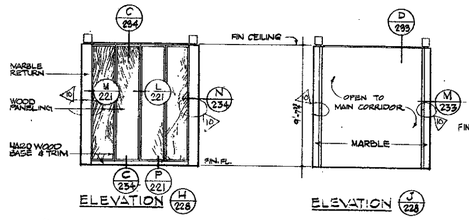


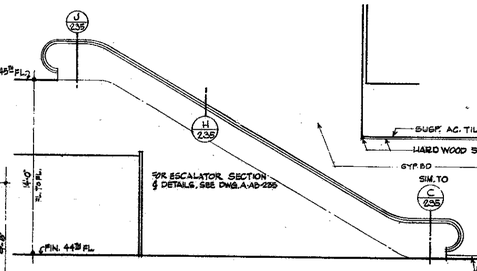


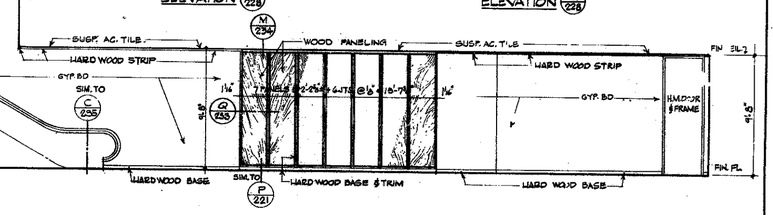


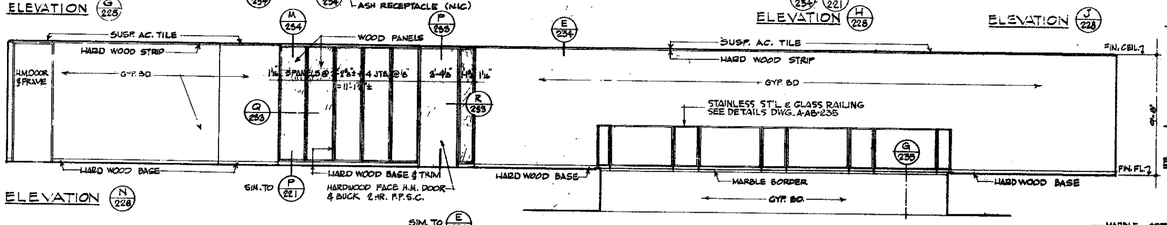


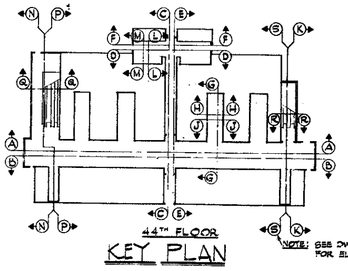




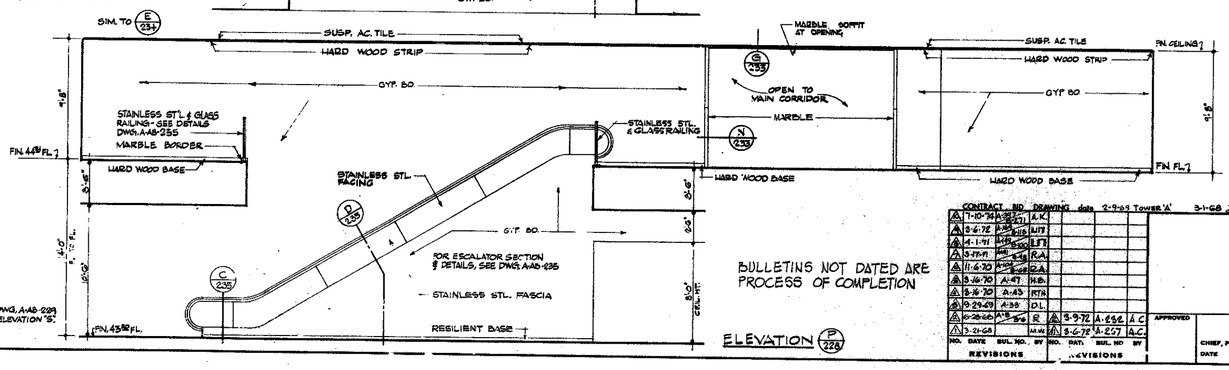


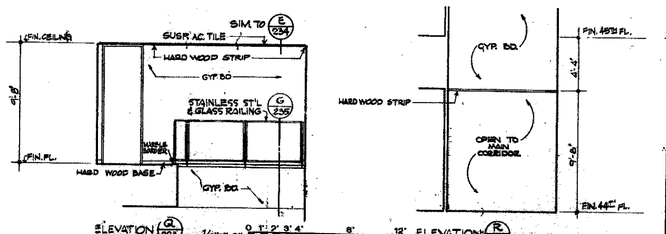






NOTE: SEE DWG. A-AB-229 FOR ELEVATION "S".





BULLETINS NOT DATED ARE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-9-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
1	7-10-34	3-67	A.K.
2	3-6-78	M-68	LITT
3	4-1-71	M-68	LFT
4	3-17-71	M-68	R.A.
5	11-6-70	A-68	R.A.
6	3-16-70	A-67	H.B.
7	5-16-70	A-65	KTK
8	12-29-69	A-38	D.L.
9	10-28-66	A-8	R
10	3-21-68	A-M	

REVISIONS

NO.	DATE	SUB. NO.	BY
1	5-9-72	A-256	A.C.
2	5-6-76	A-257	A.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

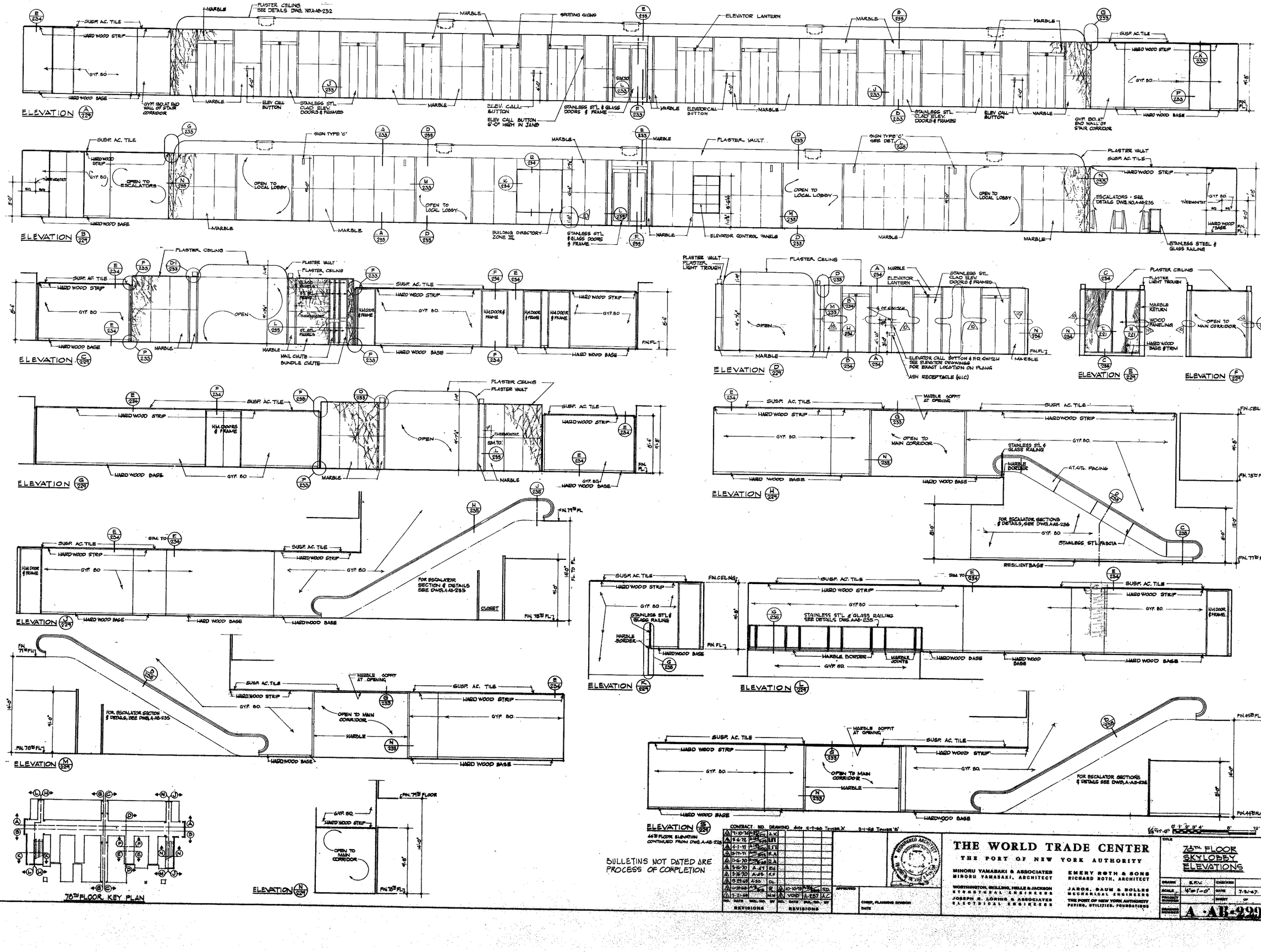
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

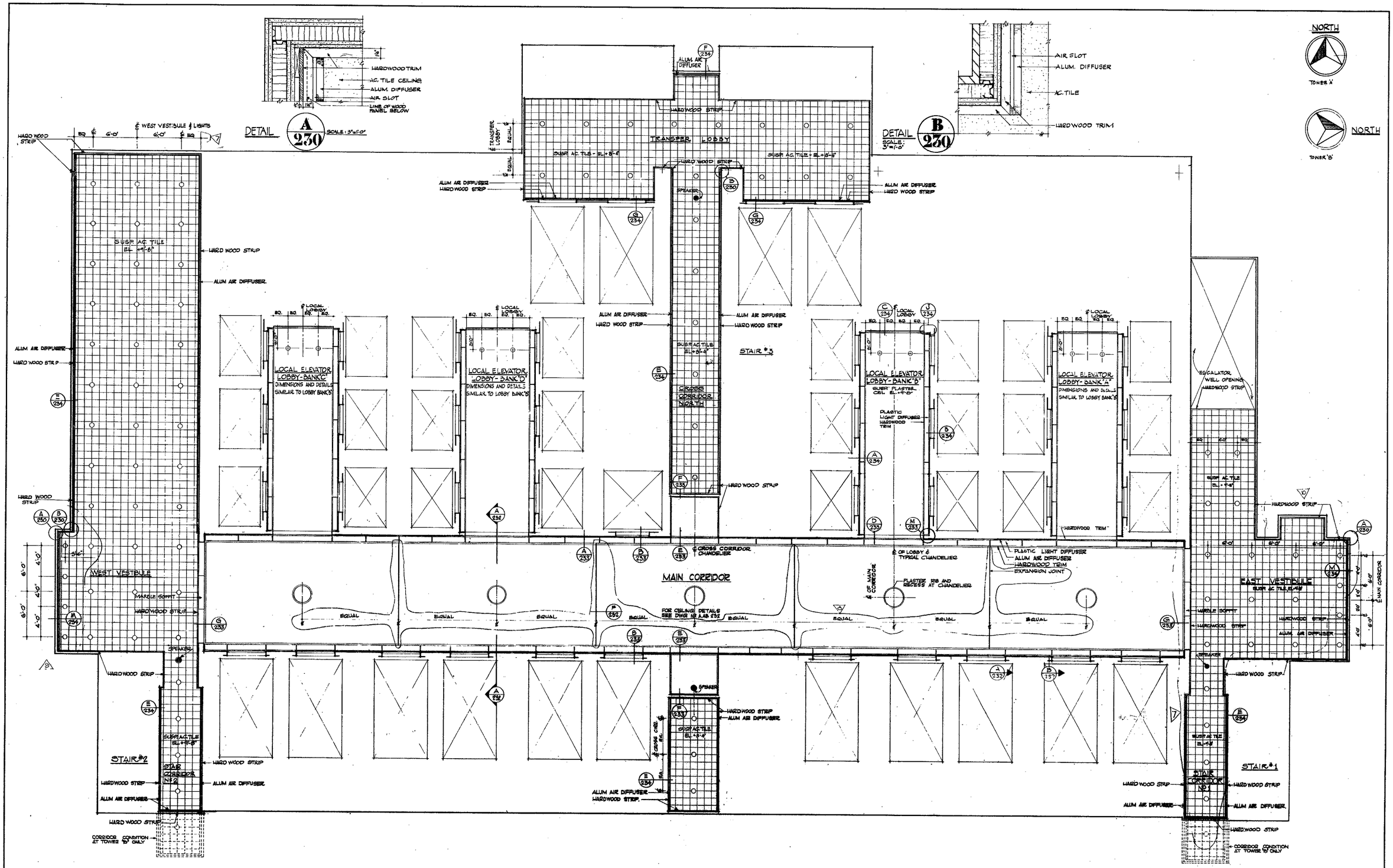
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 44TH FLOOR SKYLOBBY ELEVATIONS

DRAWN	S.V. & A.D.	CHECKED	
SCALE	1/4" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-228		


ELEVATION A/224
SUSP. AC. TILE
HARD WOOD STRIP
GYP. BD.
HARD WOOD BASE
GYP. BD AT END WALL OF STAIR CORRIDOR
MARBLE
PLASTER CEILING SEE DETAILS DWG. NO.A-AB-232
ELEV. CALL BUTTON
STAINLESS STL. CLAD ELEV. DOORS & FRAMES
SPOTTING SIGNS
ELEV. CALL BUTTON 6'-0" HIGH IN JAMB
STAINLESS STL. & GLASS DOORS & FRAME
ELEVATOR LANTERN
ELEVATOR CALL BUTTON
ELEV. CALL BUTTON
FIN. FL.
ELEVATION B/224
SIGN TYPE 'C'
OPEN TO ESCALATORS
OPEN TO LOCAL LOBBY
THERMOSTAT
BUILDING DIRECTORY ZONE III
STAINLESS STL. & GLASS DOORS & FRAME
PLASTER VAULT
SIGN TYPE 'C' SEE DET. L/226
ESCALATORS - SEE DETAILS DWG. NO.A-AB-235
STAINLESS STEEL & GLASS RAILING
ELEVATION C/224
PLASTER CEILING
PLASTER VAULT
GLASS PANELS
ST. STL. FRAME
ST. STL. PANELS
H.M. DOOR & FRAME
MAIL CHUTE BUNDLE CHUTE
OPEN
ELEVATION D/224
PLASTER VAULT
PLASTER LIGHT TROUGH
& OF SWITCH
ELEVATOR CALL BUTTON & P.B. SWITCH SEE ELEVATOR DRAWINGS FOR EXACT LOCATION ON PLANS
ASH RECEPTACLE (N.I.C.)
ELEVATION E/224
PLASTER LIGHT TROUGH
MARBLE RETURN
WOOD PANELING
HARD WOOD BASE & TRIM
OPEN TO MAIN CORRIDOR
ELEVATION F/224
ELEVATION G/224
H.M. DOORS & FRAME
ELEVATION H/224
MARBLE SOFFIT AT OPENING
OPEN TO MAIN CORRIDOR
STAINLESS STL & GLASS RAILING
MARBLE BORDER
GT. GTL. FACING
FOR ESCALATOR SECTIONS & DETAILS, SEE DWGS. A-AB-235
STAINLESS STL. FASCIA
RESILIENT BASE
FIN. 78TH FLOOR
FIN. 77TH FLOOR
ELEVATION J/224
SIM. TO
FOR ESCALATOR SECTION & DETAILS SEE DWGS. A-AB-235
CLOSET
FIN. 79TH FL.
FIN. 78TH FL.
ELEVATION K/224
ELEVATION L/224
STAINLESS STL & GLASS RAILING SEE DETAILS DWG. AAB-235
MARBLE JOINTS
ELEVATION M/224
FOR ESCALATOR SECTION & DETAILS, SEE DWG. A-AB-235
FIN. 45TH FL.
FIN. 44TH FL.
ELEVATION N/224
76TH FLOOR KEY PLAN
BULLETINS NOT DATED ARE PROCESS OF COMPLETION
CONTRACT NO. DRAWING date 2-1-66 Towers 'A' 9-1-66 Tower 'B'
REVISIONS
APPROVED
CHIEF, PLANNING DIVISION
DATE
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS
TITLE
75TH FLOOR SKYLOBBY ELEVATIONS
DRAWN
S.F.W.
CHECKED
SCALE
1/4"=1'-0"
DATE
7-9-67
SHEET
OF
A-AB-229


DETAIL A/230 SCALE: 3"=1'-0"
HARDWOOD TRIM
A.C. TILE CEILING
ALUM. DIFFUSER
AIR SLOT
LINE OF WOOD PANEL BELOW
DETAIL B/230 SCALE: 3"=1'-0"
AIR SLOT
ALUM. DIFFUSER
A.C. TILE
HARDWOOD TRIM
NORTH
TOWER 'A'
TOWER 'B'
NORTH
TRANSFER LOBBY
SUSP. A.C. TILE - EL.+8'-6"
HARD WOOD STRIP
ALUM AIR DIFFUSER
SPEAKER
STAIR #3
CROSS CORRIDOR NORTH
HARD WOOD STRIP
SUSP. A.C. TILE EL.+8'-8"
ALUM AIR DIFFUSER
HARD WOOD STRIP
WEST VESTIBULE
MARBLE SOFFIT
HARDWOOD STRIP
SUSP. A.C. TILE EL.+8'-8"
SPEAKER
HARD WOOD STRIP
ALUM AIR DIFFUSER
STAIR #2
STAIR CORRIDOR NO. 2
HARDWOOD STRIP
ALUM AIR DIFFUSER
HARD WOOD STRIP
CORRIDOR CONDITION AT TOWER 'B' ONLY
LOCAL ELEVATOR LOBBY - BANK 'C'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'B'
LOCAL ELEVATOR LOBBY - BANK 'D'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'B'
LOCAL ELEVATOR LOBBY - BANK 'B'
SUSP. PLASTER CEIL. EL.+9'-8"
PLASTIC LIGHT DIFFUSER HARDWOOD TRIM
LOCAL ELEVATOR LOBBY - BANK 'A'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'B'
ESCALATOR WELL OPENING HARDWOOD STRIP
SUSP. A.C. TILE EL.+9'-8"
HARDWOOD STRIP
MARBLE SOFFIT
HARDWOOD STRIP
ALUM. AIR DIFFUSER
SPEAKER
HARD WOOD STRIP
STAIR #1
STAIR CORRIDOR NO. 1
HARD WOOD STRIP
ALUM AIR DIFFUSER
HARDWOOD STRIP
CORRIDOR CONDITION AT TOWER 'B' ONLY
EAST VESTIBULE
SUSP. A.C. TILE EL.+9'-8"
MAIN CORRIDOR
SUSP. A.C. TILE EL.+8'-6"
HARDWOOD STRIP
SPEAKER
ALUM AIR DIFFUSER
HARD WOOD STRIP
SUSP. A.C. TILE EL.+8'-4"
ALUM AIR DIFFUSER
HARD WOOD STRIP
ALUM AIR DIFFUSER
HARDWOOD STRIP
ALUM AIR DIFFUSER
HARD WOOD STRIP
ALUM AIR DIFFUSER
HARDWOOD STRIP
MAIN CORRIDOR
FOR CEILING DETAILS SEE DWG NO. A AB 232
EQUAL
EQUAL
EQUAL

NORTH

TOWER 'A'

NORTH

TOWER 'B'

HARD WOOD STRIP
ALUM. AIR DIFFUSER
STAIR #2
STAIR CORRIDOR NO. 2
SUSP. AC TILE EL. +9'-8"
WEST VESTIBULE
SUSP. AC TILE EL. +9'-8"
MARBLE SOFFIT
SPEAKER
ALUM. AIR DIFFUSER
HARD WOOD STRIP
SUSP. AC TILE EL. +9'-8"
HARD WOOD STRIP
ALUM. AIR DIFFUSER
HARD WOOD STRIP
SUSP. AC TILE EL. +9'-8"
ALUM. AIR DIFFUSER
HARD WOOD STRIP
EQ. EQ. EQ. EQ. EQ.
6'-0" 6'-0"
℄ VESTIBULE
LOCAL ELEVATOR LOBBY - BANK 'B'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'D'
LOCAL ELEVATOR LOBBY - BANK 'C'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'D'
℄ LOCAL LOBBY
EQ. EQ. EQ. EQ.
8'-0"
HARD WOOD STRIP
ALUM. AIR DIFFUSER
A.C. TILE CLG. EL. 8'-4"
CROSS CORRIDOR NORTH
HARD WOOD STRIP
SPEAKER
MAIN CORRIDOR
EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL
FOR CEILING DETAILS SEE DWG NO A.AB.232
℄ OF MAIN CORRIDOR
PLASTER RIB AND RECESS AT CHANDELIER
℄ OF LOBBY & (TYP) CHANDELIER
EXPANSION JOINT
ALUM. AIR DIFFUSER
PLASTIC LIGHT DIFFUSER
HARDWOOD TRIM
HARD WOOD STRIP
ALUM. AIR DIFFUSER
HARD WOOD STRIP
ALUM. AIR DIFFUSER
HARD WOOD STRIP
STAIR CORRIDOR NO. 1
STAIR #1
SUSP. AC TILE EL. +9'-8"
SPEAKER
HARD WOOD STRIP
MARBLE SOFFIT
EAST VESTIBULE
HARDWOOD TRIM
ALUM. AIR DIFF.
SUSP. AC. TILE EL. +9'-8"
HARDWOOD STRIP
HARDWOOD STRIP
SUSP. AC TILE EL. +9'-8"
HARDWOOD STRIP
EQ. 4'-0" EQ.
ESCALATOR WELL OPENING
3'-0" 4'-0" 2'-0" 5'-0" 6'-0" 4'-0" 6'-0"
℄ MAIN CORRIDOR
HARD WOOD STRIP
ALUM. AIR DIFFUSER
HARD WOOD STRIP
SUSP. AC TILE EL. +9'-8"
HARD WOOD STRIP
ALUM. AIR DIFFUSER
HARD WOOD STRIP
EQ. EQ. EQ. EQ. EQ.
6'-0" 6'-0"
℄ VESTIBULE
LOCAL ELEVATOR LOBBY - BANK 'B'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'D'
LOCAL ELEVATOR LOBBY - BANK 'C'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'D'
℄ LOCAL LOBBY
EQ. EQ. EQ. EQ.
8'-0"
HARD WOOD STRIP
ALUM. AIR DIFFUSER
CROSS CORRIDOR SOUTH
SUSP. AC TILE EL. +9'-8"
STAIR No. 3
ALUM. AIR DIFFUSER
HARD WOOD STRIP
HARDWOOD TRIM
℄ LOBBY
NOTE:
FOR LOBBY DIMENSIONS FINISHES & ELEVATIONS SEE DWG # A.AB-220
PLASTIC LIGHT DIFFUSER
LOCAL ELEVATOR LOBBY - BANK 'D'
SUSP. PLASTER CEIL. EL. +9'-0"
HARD WOOD TRIM
℄ LOCAL LOBBY
EQ. EQ. EQ. EQ.
8'-0"
WALL WASHER LIGHT FIXTURE
LOCAL ELEVATOR LOBBY - BANK 'A'
DIMENSIONS AND DETAILS SIMILAR TO LOBBY BANK 'D'
℄ LOCAL LOBBY
EQ. EQ. EQ. EQ.
8'-0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT - BID DRAWING date 6-7-68 TOWER 'A' 3-1-68 TOWER 'B'

NO.	DATE	SUB. NO.	BY
12	6-7-72	2	12-A
11	5-6-72	1	AJH
10	3-17-71	298	RA
9	11-6-70	298	RA
8	9-23-69	1	KG
7	9-23-69	1	DL

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT
STATE OF NEW YORK

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

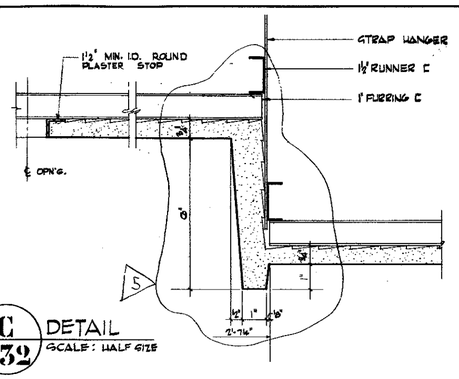
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

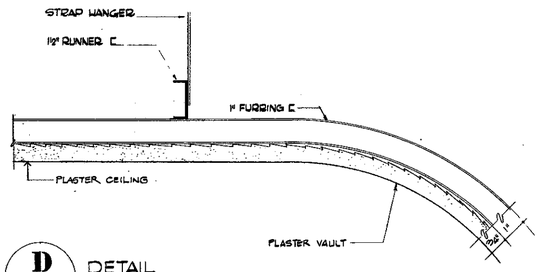
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 78TH FLOOR SKYLOBBY REFLECTED CEILING PLAN

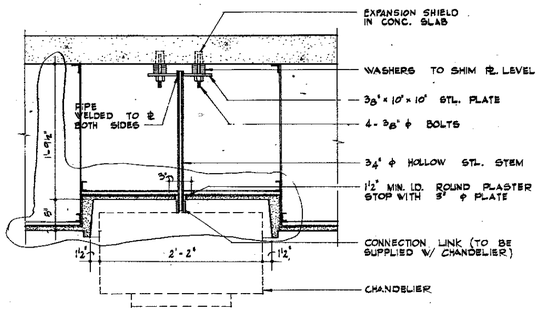
DRAWN	S.P.M.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·231		



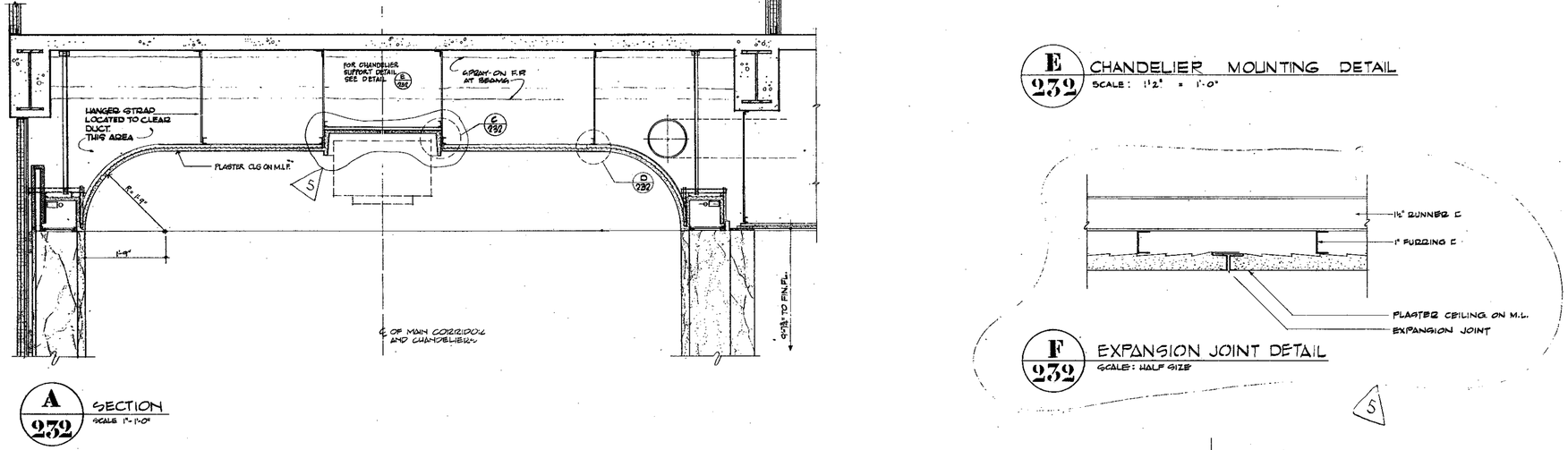
C 232 DETAIL
SCALE: HALF SIZE



D 232 DETAIL
SCALE: HALF SIZE

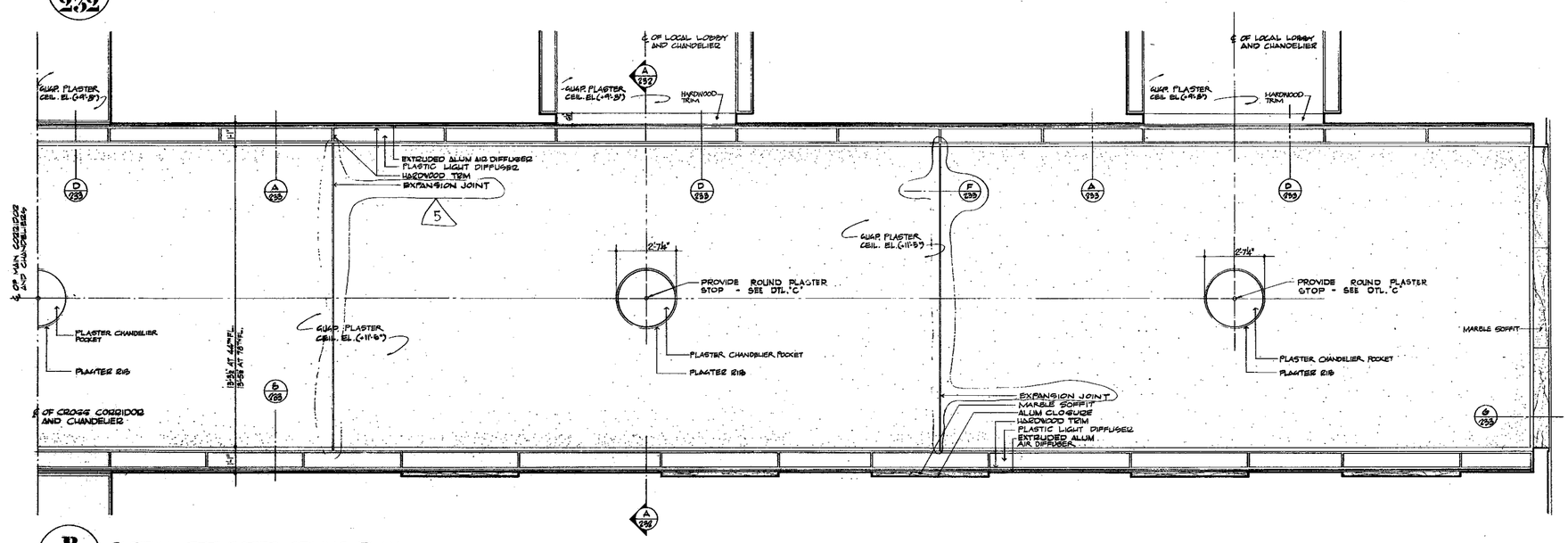


E 232 CHANDELIER MOUNTING DETAIL
SCALE: 1½" = 1'-0"



A 232 SECTION
SCALE 1"=1'-0"

F 232 EXPANSION JOINT DETAIL
SCALE: HALF SIZE



B 232 PARTIAL REFLECTED CEILING PLAN
SCALE: ½"=1'-0"

1"=1'-0" 0 3" 6" 9" 1' 2' 3'
½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

NO.	DATE	REVISIONS	BUL. NO.	BY
1	6-7-71	A-38		G.A.
2	3-17-71	A-31	S-15	R.M.
3	11-6-70	A-33	S-26	J.J.
4	9-16-70	A-47		H.B.
5	9-29-69	A-35		J.C.

CONTRACT NO. DRAWING date 2/9/68 Temp'd 5/1/68 Temp'd

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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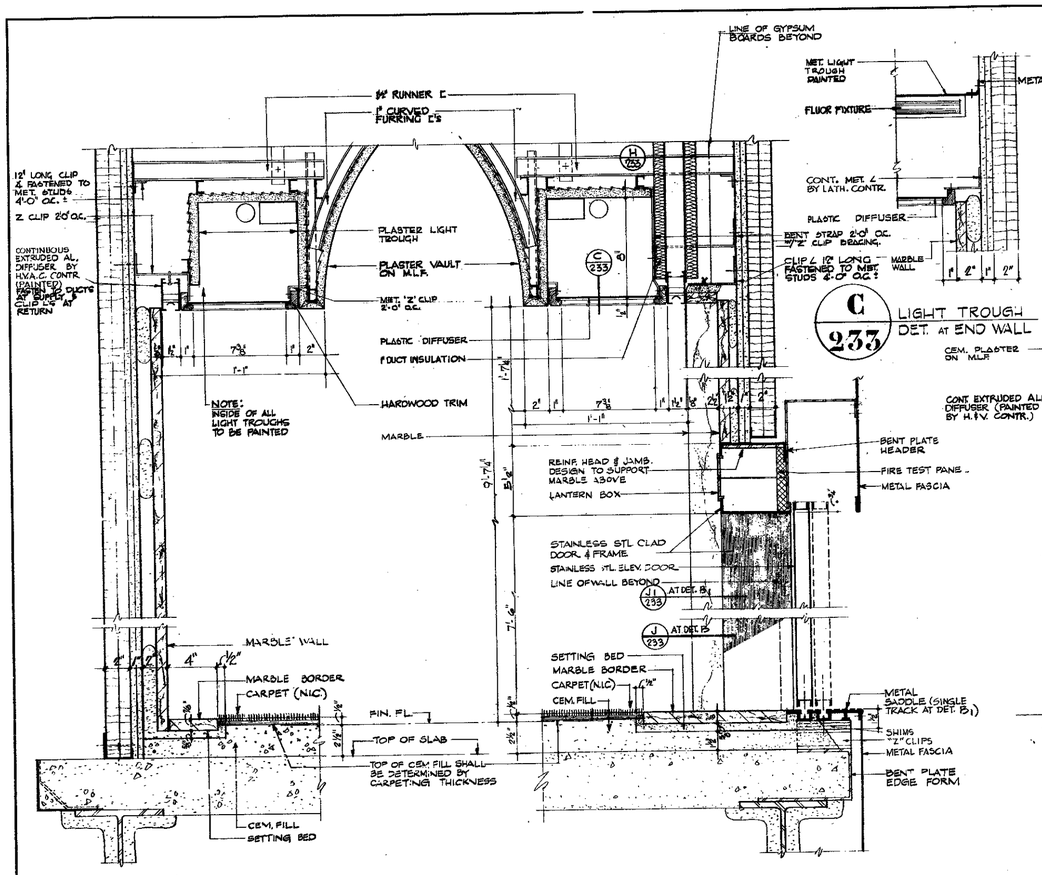
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

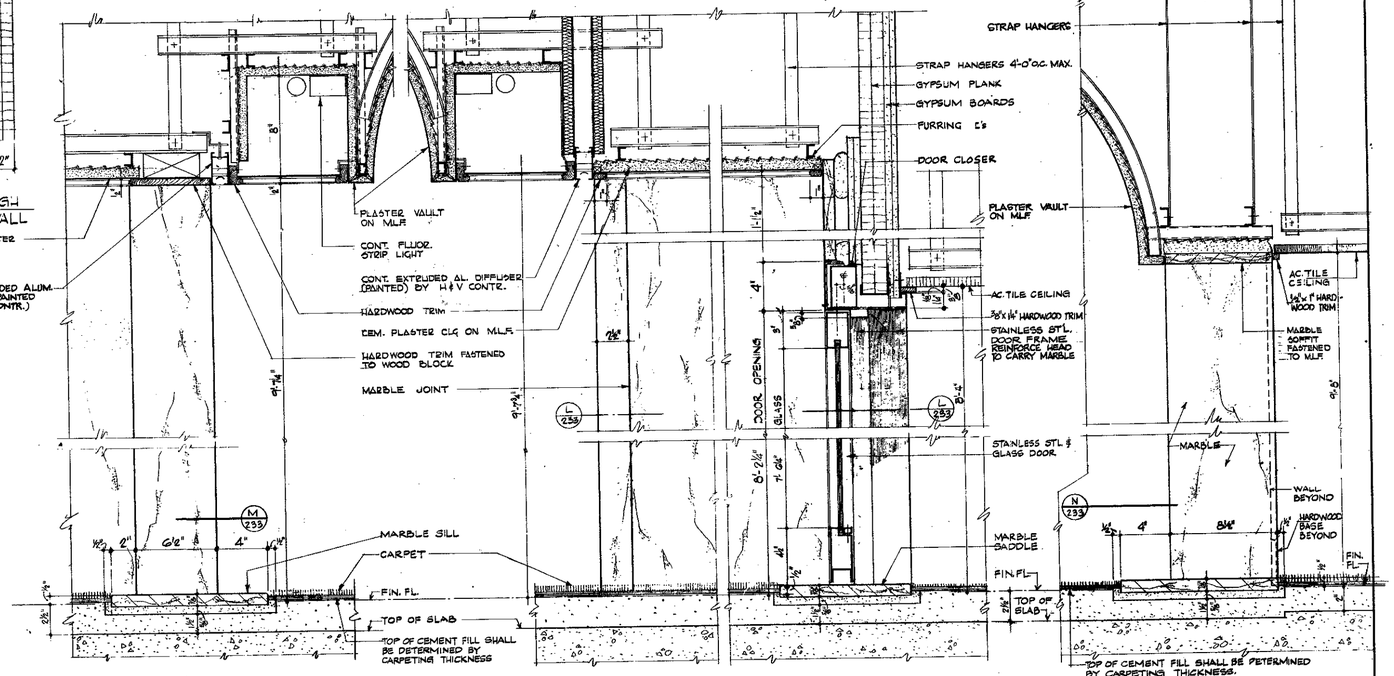
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: SKYLOBBY MAIN CORRIDOR CEILING DETAILS

DRAWN	J.M.G.	CHECKED	
SCALE	AS NOTED	DATE	7/31/67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·232		



C 233 LIGHT TROUGH DET. AT END WALL



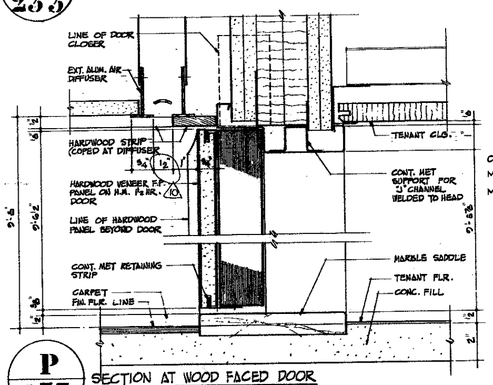
D 233 SECTION THRU OPN'G. BETWEEN MAIN CORR. & LOCAL ELEVATOR LOBBY

E 233 SECTION THRU OPN'G. BETWEEN MAIN CORRIDOR & CROSS CORRIDOR

F 233 SECTION THRU DOOR BETWEEN MAIN & CROSS CORRIDORS

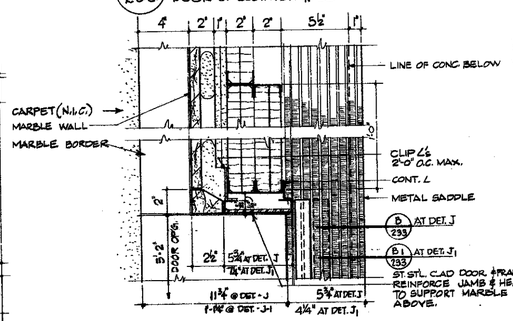
G 233 SECTION THRU OPN'G. BETWEEN MAIN CORRIDOR & VESTIBULE

A 233 SECTION THRU MARBLE WALL

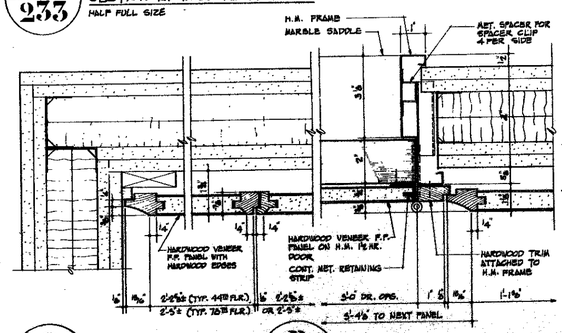


B 233 SECTION THRU ELEVATOR SHAFT DOOR

B1 233 APPLIES ONLY TO SHAFT DOOR OF ELEVATOR # 50



P 233 SECTION AT WOOD FACED DOOR
HALF FULL SIZE

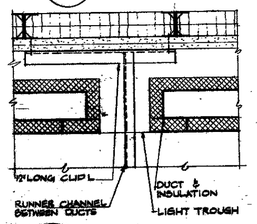


Q 233 WOOD PANEL DETAILS
HALF FULL SIZE

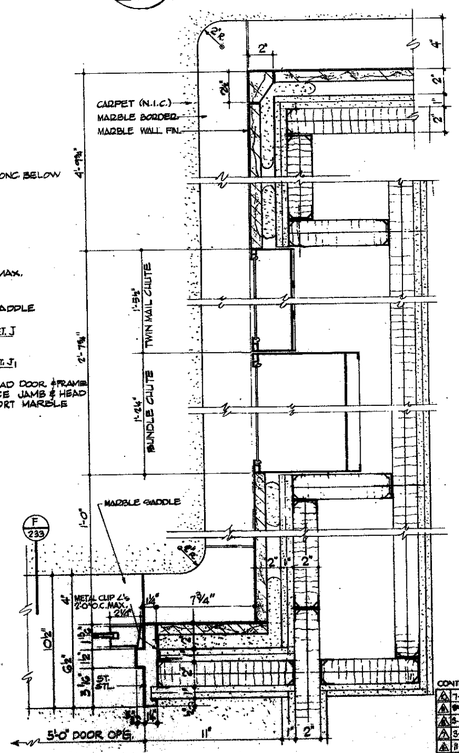
R 233 JAMB AT WOOD FACED DOOR
HALF FILL SIZE

J 233 JAMB DETAIL OF ELEVATOR SHAFT DOOR

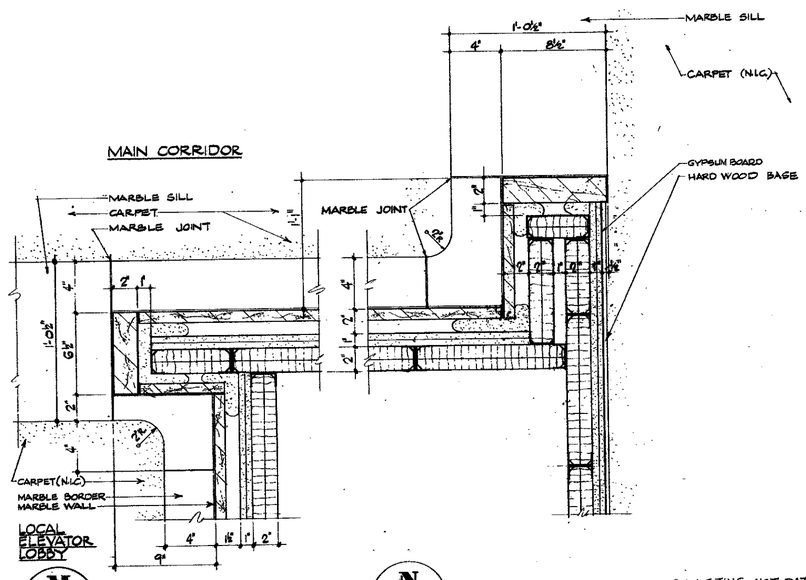
J1 233 APPLIES ONLY TO SHAFT DOOR OF ELEVATOR #50



H 233 PLAN SECTION THRU LIGHT TROUGH & SUPPLY DUCT



L 233 PLAN SECTION THRU MAIL & BUNDLE CHUTES & DOOR AT OPG. BETWEEN MAIN & CROSS CORR.
78'8 FLOOR SHOWN. 44'8 FLOOR SIMILAR EXCEPT AS NOTED ON PLANS



M 233 PLAN SECTION THRU OPG BETWEEN MAIN CORRIDOR & LOCAL ELEV. LOBBY
3-1-68 Towers '8" -3"=1'-0"

N 233 PLAN SECTION THRU OPG BETWEEN MAIN CORRIDOR & VESTIBULE

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING	date 2-9-68
1 7-10-74	A-251 LKS
2 9-6-72	A-237 AC
3 5-6-72	A-236 LFS
4 3-17-71	A-235 LFS
5 8-6-70	A-234 R.H.
6 5-15-70	A-48 R.H.
7 2-19-69	A-40 A.C.
8 2-19-69	A-33 H.B.
9 2-29-68	A-17 H.B.
10 6-28-68	A-8 R

NO. DATE SUB. NO. BY REVISIONS

NO. DATE SUB. NO. BY REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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RICHARD ROTH, ARCHITECT

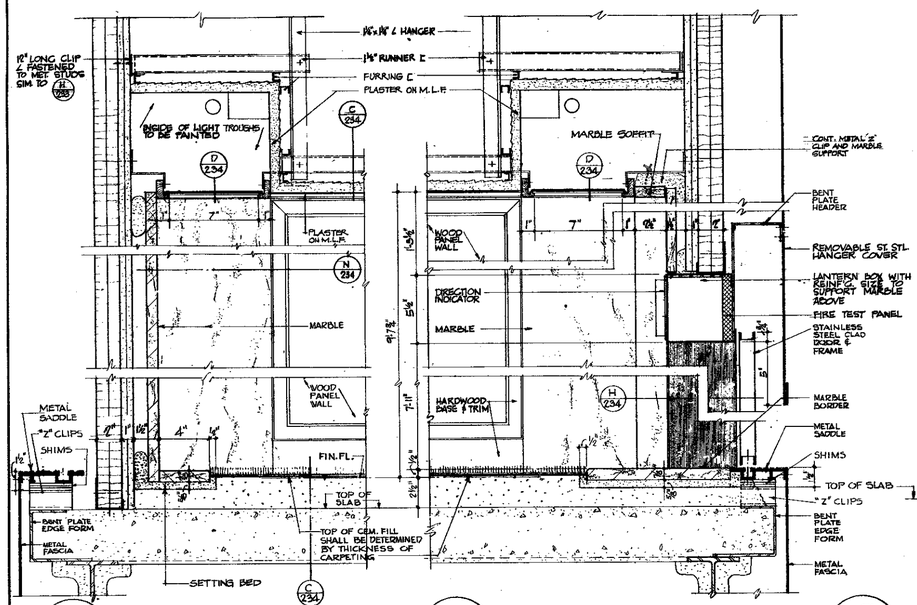
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

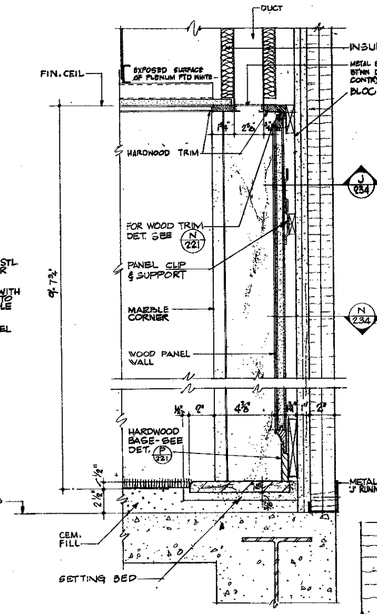
TITLE: SKYLOBBY MAIN CORRIDOR DETAILS

DRAWN	G.C.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF

DRAWING NUMBER: A-AB-233

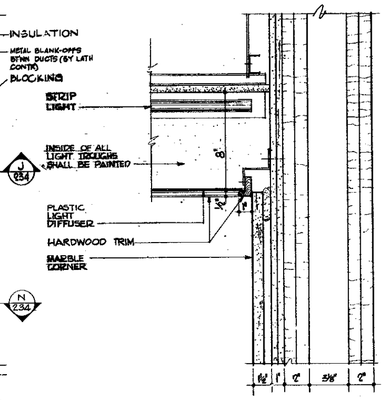


A 234 SECTION THRU MARBLE WALL AT LOCAL ELEVATOR LOBBY

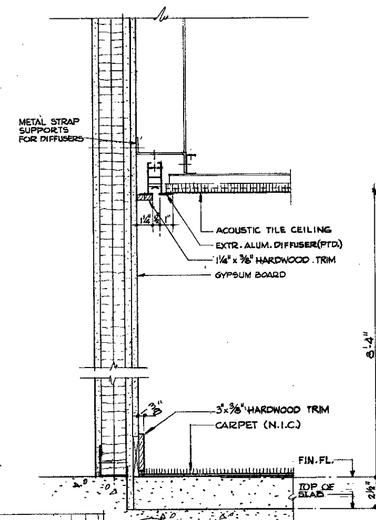


B 234 SECTION THRU ELEVATOR SHAFT DOOR AT LOCAL ELEVATOR LOBBY

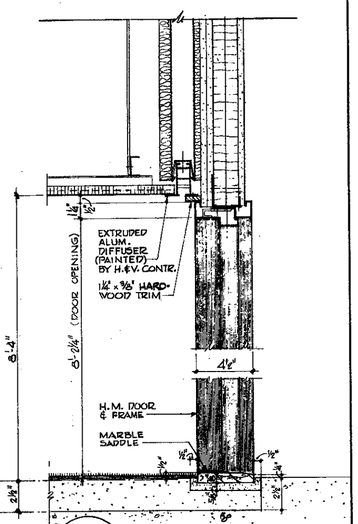
C 234 SECTION THRU END WALL AT LOCAL ELEVATOR LOBBY



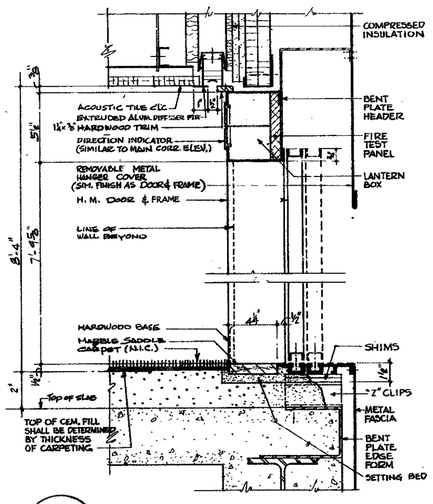
D 234 DETAIL AT END OF LIGHT TROUGH LOCAL ELEVATOR LOBBY



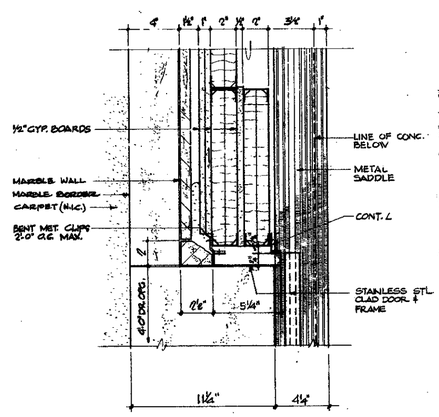
E 234 WALL SECTION AT CROSS CORRIDOR



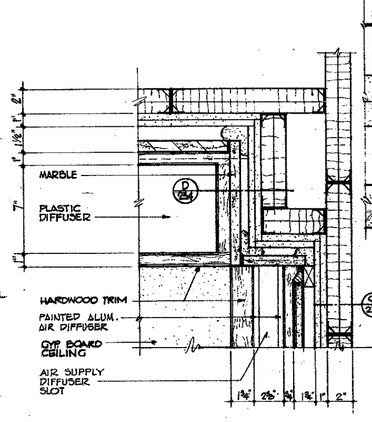
F 234 SECTION THRU DOORS AT CROSS CORRIDOR



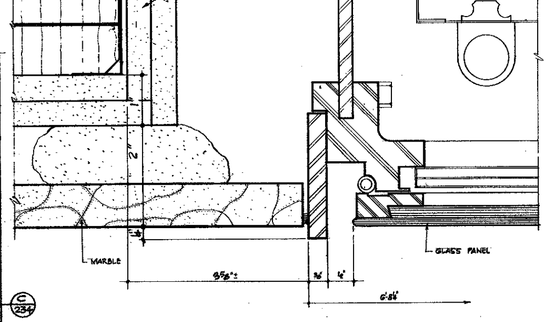
G 234 SECTION THRU ELEVATOR DOOR AT TRANSFER LOBBY



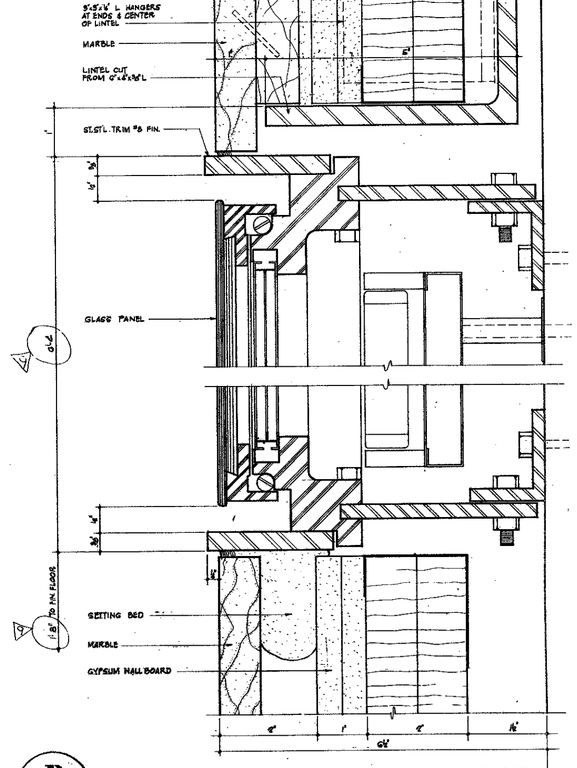
H 234 SHAFT DOOR JAMB DETAIL AT LOCAL ELEVATOR LOBBY



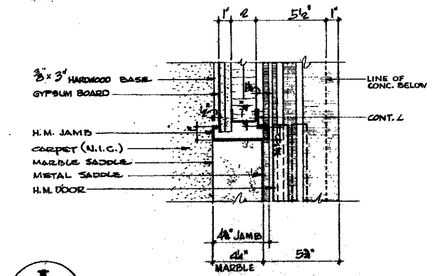
J 234 REFLECTED CEILING PLAN AT END WALL OF LOCAL ELEV. LOBBY



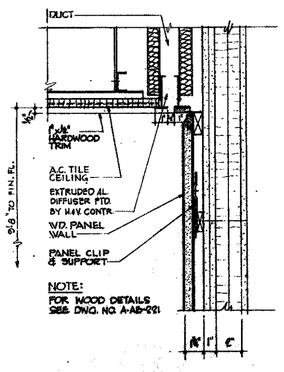
K 234 JAMB DETAIL OF BUILDING DIRECTORY SCALE: F.S.



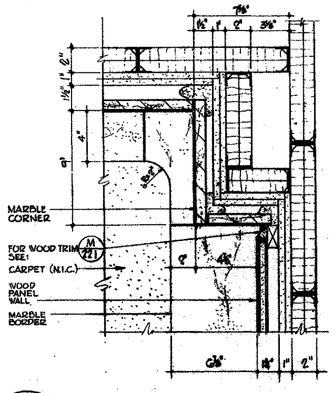
R 234 HEAD & SILL DETAIL OF BUILDING DIRECTORY SCALE: F.S.



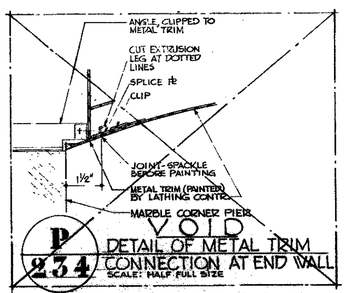
L 234 SHAFT ELEVATOR JAMB DETAIL AT TRANSFER LOBBY



M 234 DETAIL THRU WOOD PANELS AT EAST & WEST VESTIBULES



N 234 PLAN SECTION AT END WALL CORNER OF LOCAL ELEVATOR LOBBY



P 234 VOID
DETAIL OF METAL TRIM CONNECTION AT END WALL
SCALE: HALF FULL SIZE

NO.	DATE	REVISION	NO.	DATE	REVISION
1	7-10-70	A-21	8		
2	8-27-71	A-20	9		
3	3-17-71	A-18	10		
4	11-6-70	A-19	11		
5	9-16-70	A-17	12		
6	5-6-70	A-15	13		
7	9-29-69	A-13	14		
8	9-29-69	A-11	15		
9	6-26-68	A-5	16		

CONTRACT BID DRAWING date 2-1-68 Tower 'A' 5-1-68 Tower 'B'

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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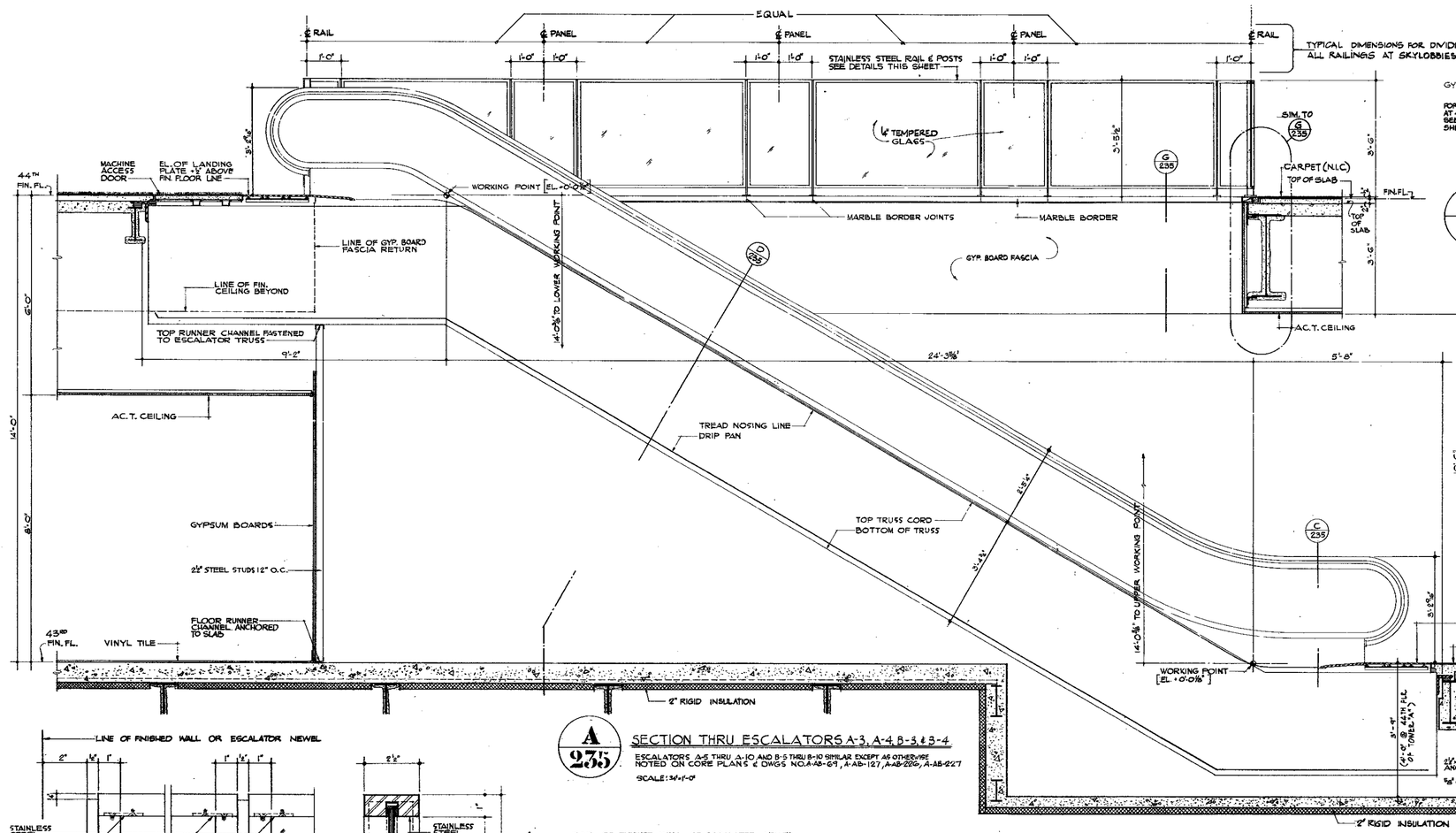
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SKYLOBBY - CROSSCORRIDOR VESTIBULE & ELEVATOR LOBBY DETAILS

DRAWN	G.C.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER	—	SHEET	OF
DRAWING NUMBER	A-AB-234		

0 1" 2" 3" 4" 5" 6" 9" 1'
6"-1'-0"

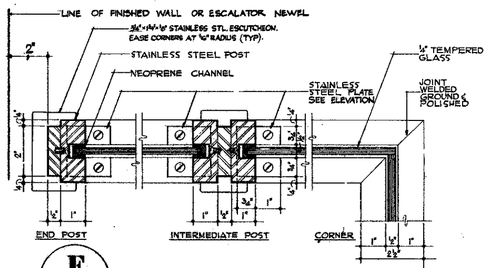


A/235 SECTION THRU ESCALATORS A-3, A-4, B-3, & B-4

ESCALATORS A-5 THRU A-10 AND B-5 THRU B-10 SIMILAR EXCEPT AS OTHERWISE NOTED ON CORE PLANS & DWGS NO. A-AB-69, A-AB-127, A-AB-226, A-AB-227

SCALE: ¾"=1'-0"

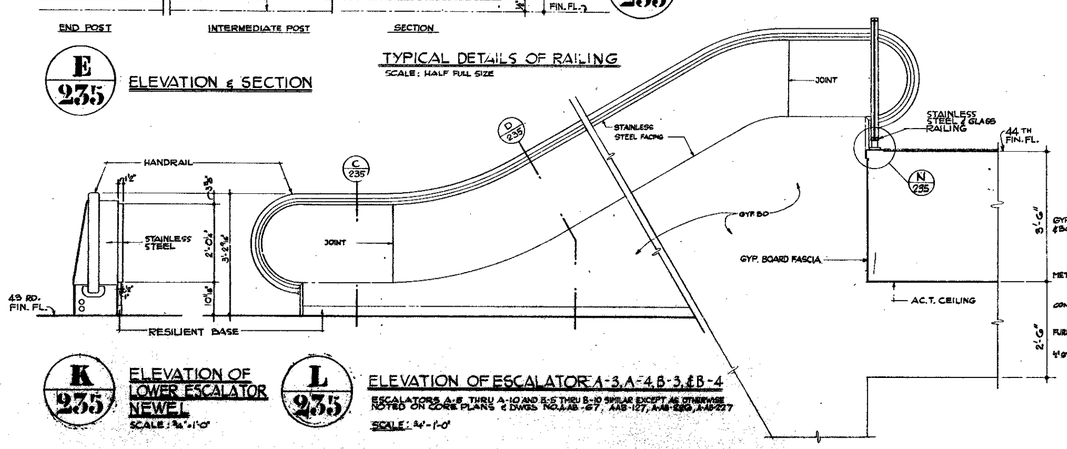
E/235 ELEVATION & SECTION



F/235 PLAN (REFLECTED)

TYPICAL DETAILS OF RAILING

SCALE: HALF FULL SIZE



K/235 ELEVATION OF LOWER ESCALATOR NEWEL

SCALE: ¾"=1'-0"

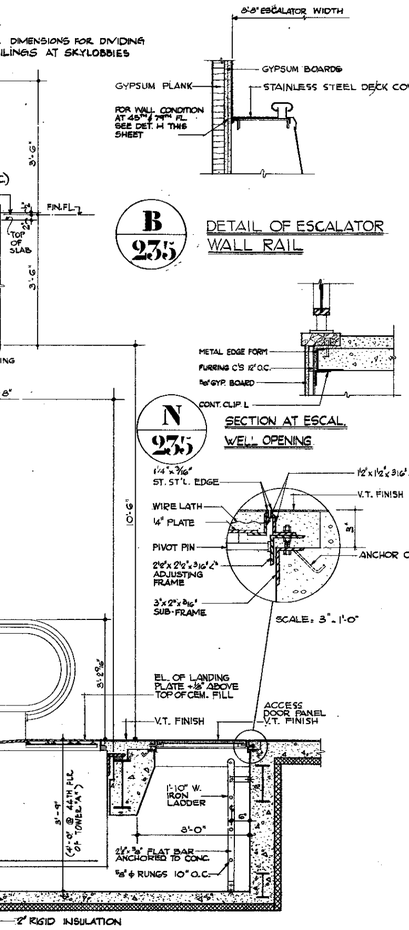
L/235 ELEVATION OF ESCALATOR A-3, A-4, B-3, & B-4

ESCALATORS A-5 THRU A-10 AND B-5 THRU B-10 SIMILAR EXCEPT AS OTHERWISE NOTED ON CORE PLANS & DWGS NO. A-AB-127, A-AB-127, A-AB-226, A-AB-227

SCALE: ¼"=1'-0"

G/235 SECTION AT ESCALATOR WELL OPENING

M/235 SECTION AT END OF ESCALATOR WELL



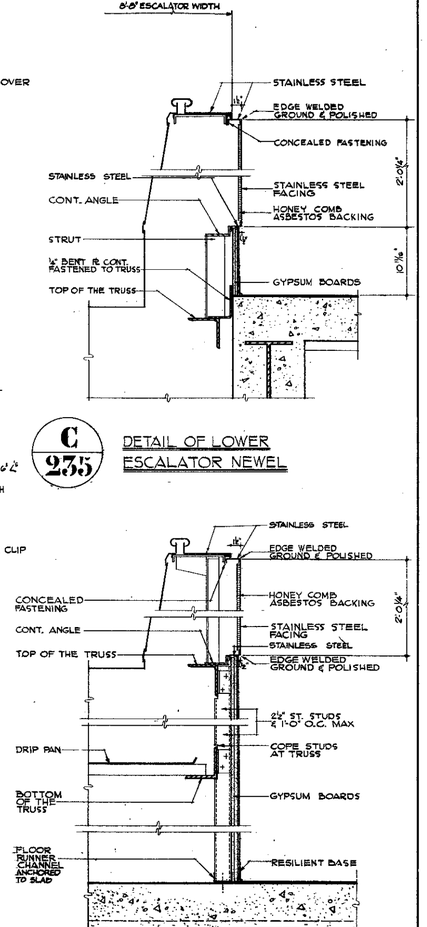
H/235 SECTION AT ESCALATOR WELL OPENING AT 79TH FLR.

45 TH FLR. SIM. AS NOTED

+ 1-½" WALLBOARD @ 45TH FLR.

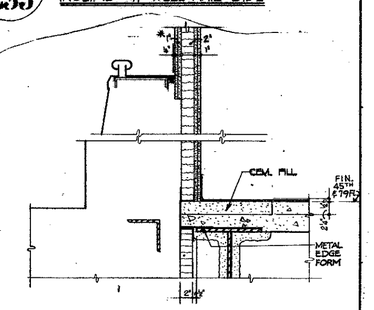
B/235 DETAIL OF ESCALATOR WALL RAIL

N/235 SECTION AT ESCAL. WELL OPENING



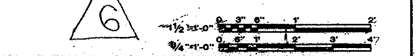
C/235 DETAIL OF LOWER ESCALATOR NEWEL

D/235 SECTION THRU ESCALATOR INCLINE AT WELL RAIL SIDE



J/235 DETAIL OF UPPER ESCALATOR NEWEL AT 45TH & 79TH FLOORS

* 1-½" WALLBOARD AT 45TH FLOOR



BULLETINS NOT DATED ARE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date	2-1-68 Towers 'A'	8-1-68 Towers 'B'

NO.	DATE	BNL. NO.	BY
6	8-8-72	ABS	
5	5-16-70	A-136	R.H.
4	5-16-70	A-147	R.H.
3	5-16-70	A-155	R.H.
2	5-16-70	A-149	R.H.
1	6-20-68	A-96	R.
0	1-21-68		M.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

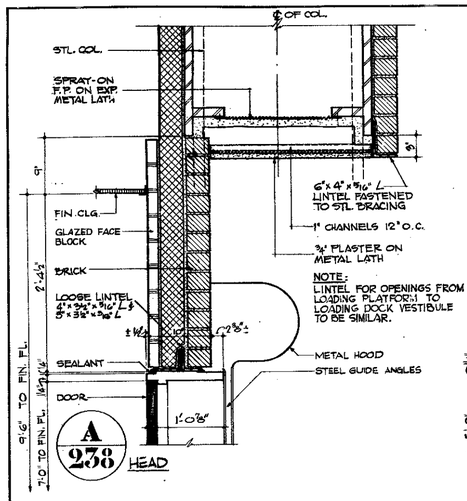
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

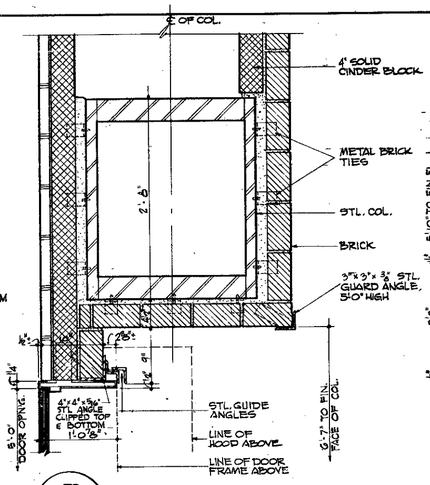
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SKYLOBBY ESCALATOR DETAILS

DRAWN	A.D.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-235		



A 238 HEAD

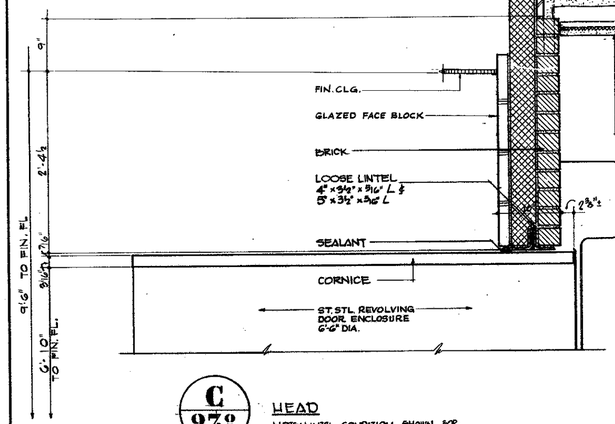


B 238 JAMB

NOTE: PLAN CONDITION SHOWN FOR TOWER "A" - FOR TOWER "B" SEE PLANS

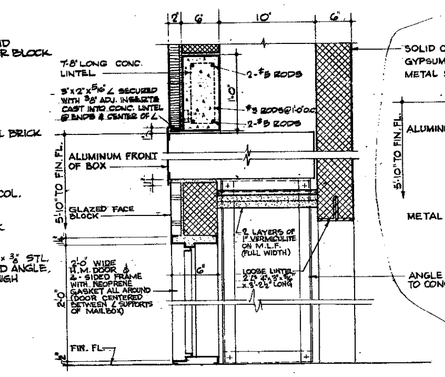
DETAILS OF ROLL-UP & SWING DOORS BETWEEN LOADING PLATFORM & CORRIDOR AT SERVICE LEVEL

NOTE: LINTEL CONDITION SHOWN FOR TOWER 'A' ONLY LINTEL FOR TOWER "B" TO BE SIM. TO DET. C-1/236

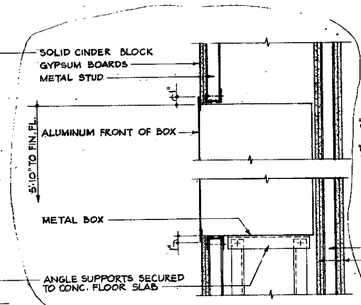


C 238 HEAD

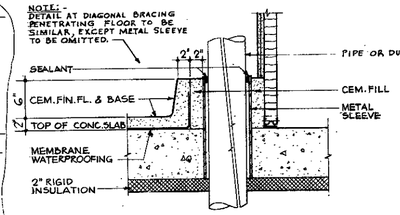
NOTE: LINTEL CONDITION SHOWN FOR TOWER "A" ONLY - LINTEL FOR TOWER "B" TO BE SIM. TO DETAIL C-1/236



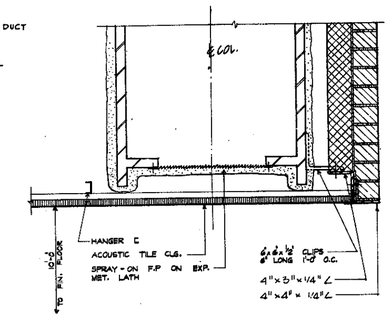
J 238 VERTICAL SECTION OF BUNDLE & LETTER BOX AT SERVICE LEVEL EL. 294'-0"



K 238 VERTICAL SECTION OF BUNDLE & LETTER BOXES AT 43RD & 77TH FLOORS



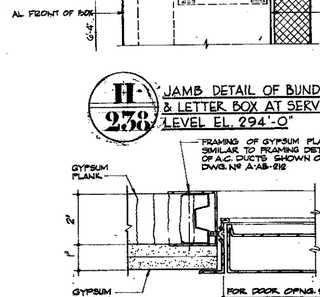
Z 238 TYPICAL DETAIL OF SLAB OPENINGS FOR PIPES & DUCTS AT MECHANICAL EQUIP. FLOORS (SEE NOTE FOR DIAG. BRACING)



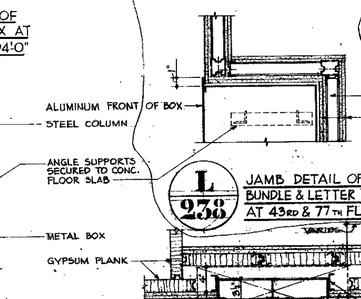
C-1 238 DETAIL OF TRIMMED OPENING BETWEEN LOADING DOCK VESTIBULE AND LOADING PLATFORM



Y 238 TYPICAL DETAIL OF STEP AT MECHANICAL EQUIP. FLOORS

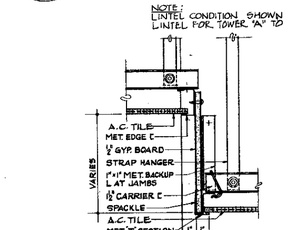


H 238 JAMB DETAIL OF BUNDLE & LETTER BOX AT SERVICE LEVEL EL. 294'-0"

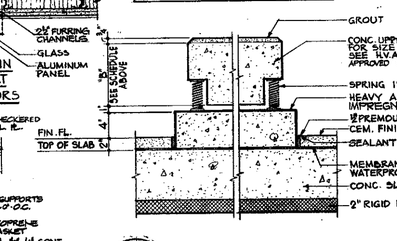


L 238 JAMB DETAIL OF BUNDLE & LETTER BOXES AT 43RD & 77TH FLOORS

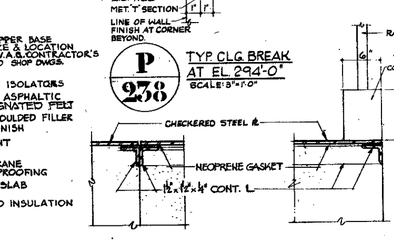
PUMP BASE SCHEDULE	
PUMP SIZE	DIMENSION 'B'
5-25 H.P.	8"
30-50 H.P.	10"
OVER 50 H.P.	12"



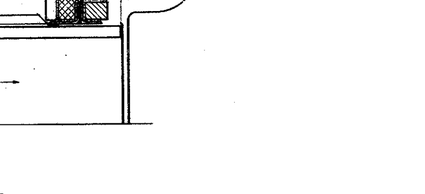
P 238 TYP. CLG BREAK AT EL. 294'-0" SCALE: 1½"=1'-0"



M 238 DETAIL OF TWIN MAIL CHUTE AT TYPICAL FLOORS

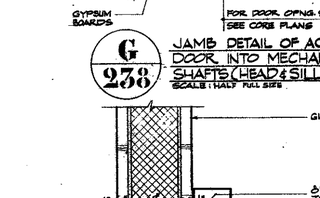


P 238 TYP. CLG BREAK AT EL. 294'-0" SCALE: 1½"=1'-0"

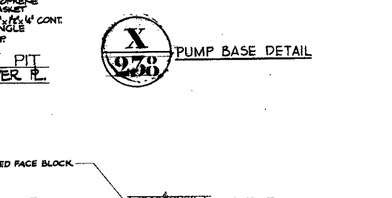


C 238 HEAD

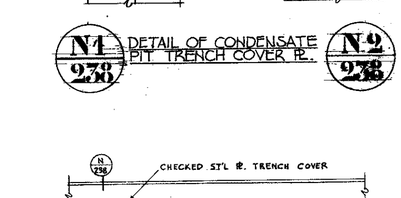
NOTE: LINTEL CONDITION SHOWN FOR TOWER "A" ONLY - LINTEL FOR TOWER "B" TO BE SIM. TO DETAIL C-1/236



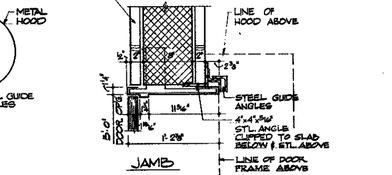
G 238 JAMB DETAIL OF ACCESS DOOR INTO MECHANICAL SHAFTS (HEAD & SILL SIMILAR) SCALE: HALF FULL SIZE



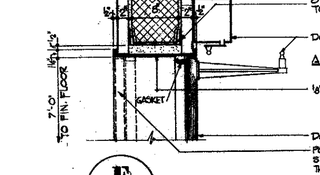
N 238 DETAIL OF CONDENSATE PIT TRENCH COVER PL.



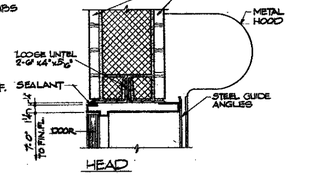
N1 238 DETAIL OF CONDENSATE PIT TRENCH COVER PL. N2 238



X 238 PUMP BASE DETAIL



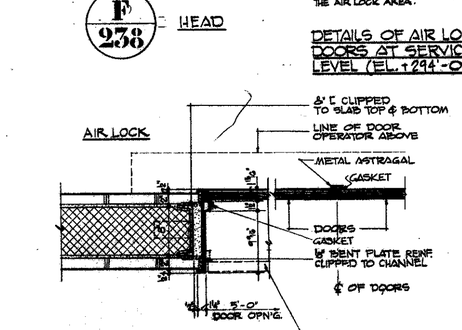
F 238 HEAD



A1 238 HEAD

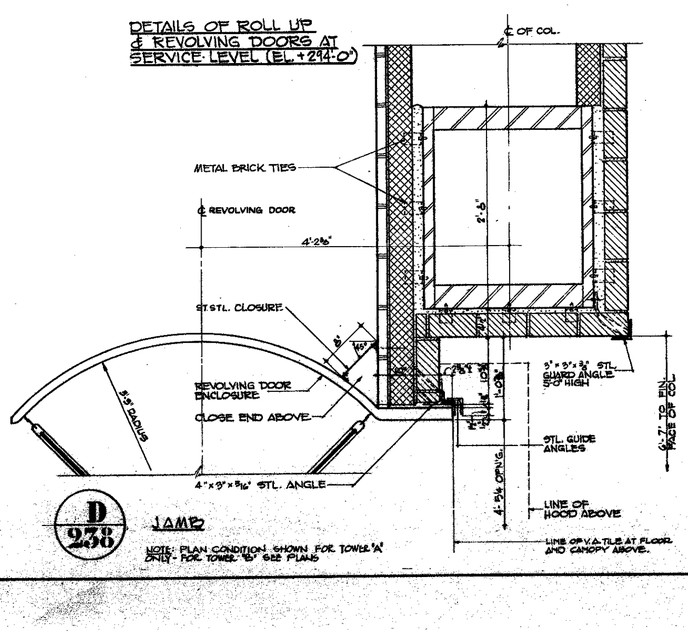
B1 238 JAMB

DETAILS OF AIR LOCK DOORS AT SERVICE LEVEL (EL. +294'-0")



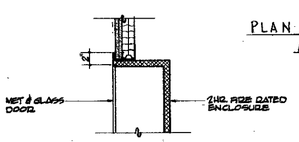
E 238 JAMB

DETAILS OF ROLL UP & REVOLVING DOORS AT SERVICE LEVEL (EL. +294'-0")



D 238 JAMB

NOTE: PLAN CONDITION SHOWN FOR TOWER 'A' ONLY - FOR TOWER "B" SEE PLANS



Q 238 HEAD SECTION AT FIRE RATED HOSE CABINET SCALE: 1½"=1'-0" SEE PLANS FOR LOCATION

1½"=1'-0" 0 3" 6" 1' 2'

CONTRACT BID DRAWING	date 8-9-68 Tower 'A'	8-1-68 Tower 'B'
6-4-70	A-108	L.J.
10-5-70	A-108	S.D.
11-6-70	A-108	R.A.
11-6-70	A-108	R.A.
5-16-72	A-97	E.C.
5-16-72	A-98	E.C.
6-20-72	A-97	R.
1-12-68	1.5	1.5
5-21-68		M.W.

REVISIONS: NO. | DATE | SUB. NO. | BY

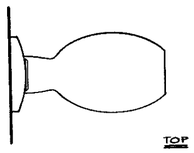
APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

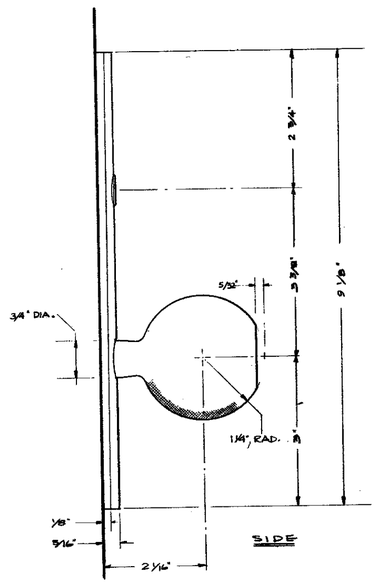
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MISCELLANEOUS INTERIOR DETAILS

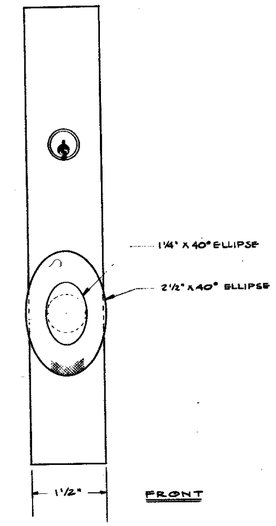
DESIGN	N.A.H.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-238		



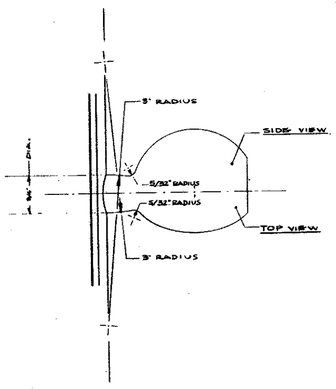
TOP

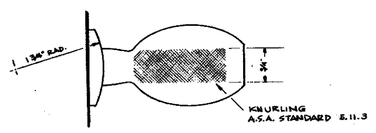


SIDE



FRONT





BOTTOM

FULL SIZE 0 1" 2" 3"

CONTRACT BID DRAWING - date 2-7-68 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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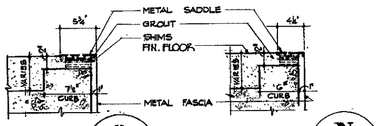
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

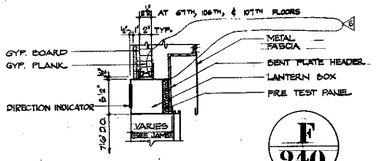
TITLE

BUILDING STANDARD DOOR KNOB DETAILS

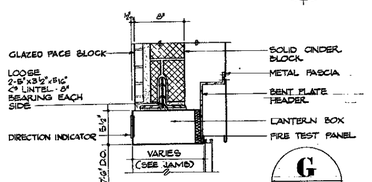
DRAWN	[illegible]	CHECKED	
SCALE	FULL SIZE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-239		



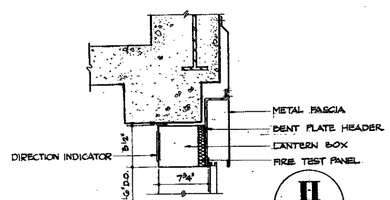
O 240 N 240



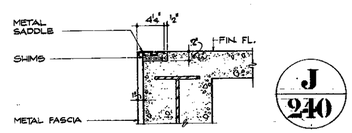
F 240



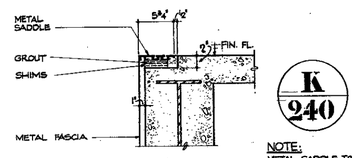
G 240



H 240

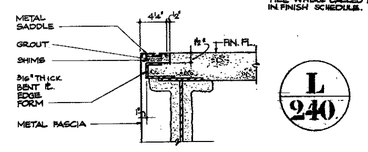


J 240

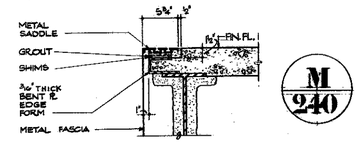


K 240

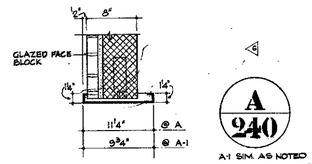
NOTE:
METAL SADDLE TO BE RAISED FLUSH WITH VINYL ASBESTOS TILE WHERE CALLED FOR IN FINISH SCHEDULE.



L 240

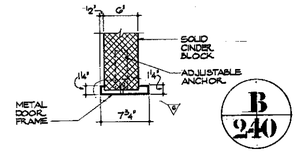


M 240

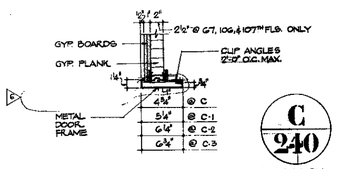


A 240

A-1 SIM. AS NOTED

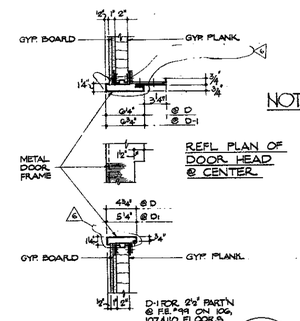


B 240



C 240

C-1, C-2, C-3, SIM. AS NOTED



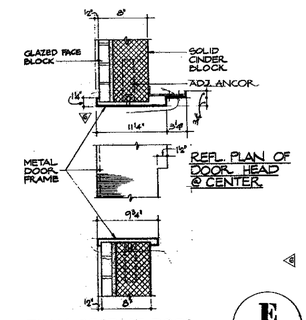
REFL. PLAN OF DOOR HEAD @ CENTER

D-1 FOR 2½" PART'N @ F.E.#99 ON 10G, 107 & 110 FLOORS

PLAN SECTION OF DOOR FRAME @ FREIGHT ELEV'S #48 & 99 @ TYP. FLOORS

D 240

D-1 SIM AS NOTED



REFL. PLAN OF DOOR HEAD @ CENTER

PLAN SECT. OF DOOR FRAME @ FREIGHT ELEV. #48 @ SERVICE LEVEL EL. 294'-0"

E 240

TOWER A

ELEV. Nº	FLOOR Nº	DOOR WIDTH	SILL DETAIL	JAMB DETAIL	HEAD DETAIL
C.E.#5	SERVICE LEVEL	5'-2"	K	A-1	G
	2 TO 5 & 9 TO 40TH FLOORS	5'-2"	K	C	F
	7TH FLOOR	5'-2"	O	C	F
C.E.#6	SERVICE LEVEL	5'-2"	K	A-1	G
	3,4,5, - 77 TO 105TH FLOORS	5'-2"	K	C	F
	75TH FLOOR	5'-2"	O	C	F
	106 & 107TH FLOORS	5'-2"	K	C-1	F
P.E.#7	SERVICE LEVEL	5'-2"	K	A-1	G
	G7 & 107TH FL.	5'-2"	K	C-1	F
C.E.#17	SERVICE LEVEL	5'-2"	K	A-1	G
	CONCOURSE (SOUTH) & 4,5 TO 40TH FLOORS & 68 TO 74TH FLOORS	5'-2"	K	C	F
	41ST FLOOR	5'-2"	O	C	F
	67TH FLOOR	5'-2"	K	C-1	F
P.E.#21,29,30,35	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#36	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#36 TO 41	24TH FLOOR	4'-0"	SEE NOTE 2		
P.E.#41	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#42	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#42 TO 47	32ND FLOOR	4'-0"	SEE DWG A-AB-221 FOR DETAILS OF HEAD, JAMB, SILL NOTE: MARBLE TO BE INSTALLED IN FUTURE		
P.E.#47	SERVICE LEVEL	4'-0"	J	A-1	G
F.E.#48	SERVICE LEVEL	4'-6"	K	E	G
	2 TO G & 9 TO 40TH FLOORS	4'-6"	K	D	F
	7TH FLOOR	4'-6"	O	D	F
F.E.#49	SERVICE LEVEL	4'-6"	J	A-1	G
	CONCOURSE LEVEL	4'-6"	J	C	F
	41ST FL	4'-6"	N	C	F
	3 TO 5, 42 TO 66, 68 TO 74 FL.	4'-6"	L	C	F
	67TH FLOOR	4'-6"	L	C-1	F
F.E.#50	SUB-LEVEL #5	4'-0"	N	B	H
	SUB-LEVEL #3	4'-0"	J	A-1	G
	SUB-LEVEL #1 & 2 & SERVICE LEVEL	4'-0"	J	A	G
	PLAZA LEVEL 3 TO 6, 9 TO 40, 42, 43, 45 TO 66, 68 TO 74, & 76 FLOORS	4'-6"	L	C-2	F
	77 TO 105TH FLOORS	4'-6"	L	C	F
	10G & 107TH FLOORS	4'-6"	L	C-1	F
	67TH FLOORS	4'-6"	L	C-2	F
	7, 41 & 75 FLOORS	4'-6"	N	C-2	F
	108TH FLOORS	4'-6"	N	C	F
F.E.#99	10G, 107 & 110TH FLOORS	4'-0"	M	D-1	F
	108TH FLOOR	4'-0"	O	D	F
	109TH FLOOR	4'-0"	M	D	F

NOTES:
1. ALL DOORS TO BE 7'-0" IN HEIGHT. ALL DOORS & FRAMES LISTED ABOVE & BELOW TO BE HOLLOW METAL EXCEPT AS OTHERWISE NOTED. FOR ALL OTHER HOLLOW METAL & STAINLESS STEEL CLAD DOORS & FRAMES, SEE PLANS & DETAILS OF TYP. LOCAL LOBBIES, SKYLOBBIES, & MAIN LOBBY.
2. FOR P.E.#36 TO 41 & 24TH FL. SEE DWG A-AB-221 FOR DETAILS OF HEAD, SILL & JAMB. PROVIDE 16 GA. METAL ANGLE CLOSURE AT CORRIDOR SIDE OF JAMB (MARBLE TO BE INSTALLED IN FUTURE).

TOWER B

ELEV. Nº	FLOOR Nº	DOOR WIDTH	SILL DETAIL	JAMB DETAIL	HEAD DETAIL
C.E.#5	SERVICE LEVEL	5'-2"	K	A-1	G
	2 TO 5 & 9 TO 40TH FL.	5'-2"	K	C	F
	7TH FLOOR	5'-2"	O	C	F
C.E.#6	SERVICE LEVEL	5'-2"	K	A-1	G
	2 TO 5 & 77 TO 105TH FL.	5'-2"	K	C	F
	75TH FLOOR	5'-2"	O	C	F
	10G & 107TH FLOORS	5'-2"	K	C-1	F
P.E.#7	SERVICE LEVEL	5'-2"	K	A-1	G
	PLAZA LEVEL		K	C	B
	107TH FLOOR		K	C-1	F
C.E.#17	SERVICE LEVEL	5'-2"	K	A-1	G
	CONCOURSE (EAST) 3, 4 & 5	5'-2"	K	C	F
	41ST FLOOR	5'-2"	O	C	F
	45 TO 74TH FL. (EAST)	5'-2"	K	C	F
P.E.#26, 27, 32, 33	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#36	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#41	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#42	SERVICE LEVEL	4'-0"	J	A-1	G
P.E.#47	SERVICE LEVEL	4'-0"	J	A-1	G
F.E.#48	SERVICE LEVEL	4'-6"	K	E	G
	2 TO 6 & 9 TO 40TH FL.	4'-6"	K	D	F
	7TH FLOOR	4'-6"	O	D	F
F.E.#49	SERVICE LEVEL	4'-6"	J	A-1	G
	CONCOURSE LEVEL, 3, 4 & 5	4'-6"	J	C	F
	41ST FLOOR	4'-6"	N	C	F
	42 TO 74TH FLOORS	4'-6"	L	C	F
F.E.#50	SUB-LEVEL # 3	4'-6"	J	A-1	G
	SUB-LEVELS # 1 & 2	4'-6"	J	A	G
	SERVICE LEVEL	4'-6"	J	A	G
	PLAZA LEVEL	4'-6"	L	C-2	F
	3 TO 6, 9 TO 40, 42, 43, 45 TO 76	4'-6"	L	C-2	F
	77 TO 105TH FLOORS	4'-6"	L	C	F
	10G & 107 FLOORS	4'-6"	L	C-1	F
	7, 41 & 75 FLOORS	4'-6"	N	C-2	F
	108TH FLOOR	4'-6"	N	C	F
F.E.#99	10G, 107 & 110 FL.	4'-0"	M	D-1	F
	108TH FLOOR	4'-0"	O	D	F
	109TH FLOOR	4'-0"	M	D	F

CONTRACT 9ID DRAWING date 2-9-68

NO.	DATE	SUL. NO.	BY
1	11-6-70	A-1	C.A.
2	5-16-70	A-47	HB
3	5-16-70	A-64	HB
4	6-22-68	A-3	R
5	4-29-68	A-1	I.S.
6	3-21-68	A-1	M.W.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
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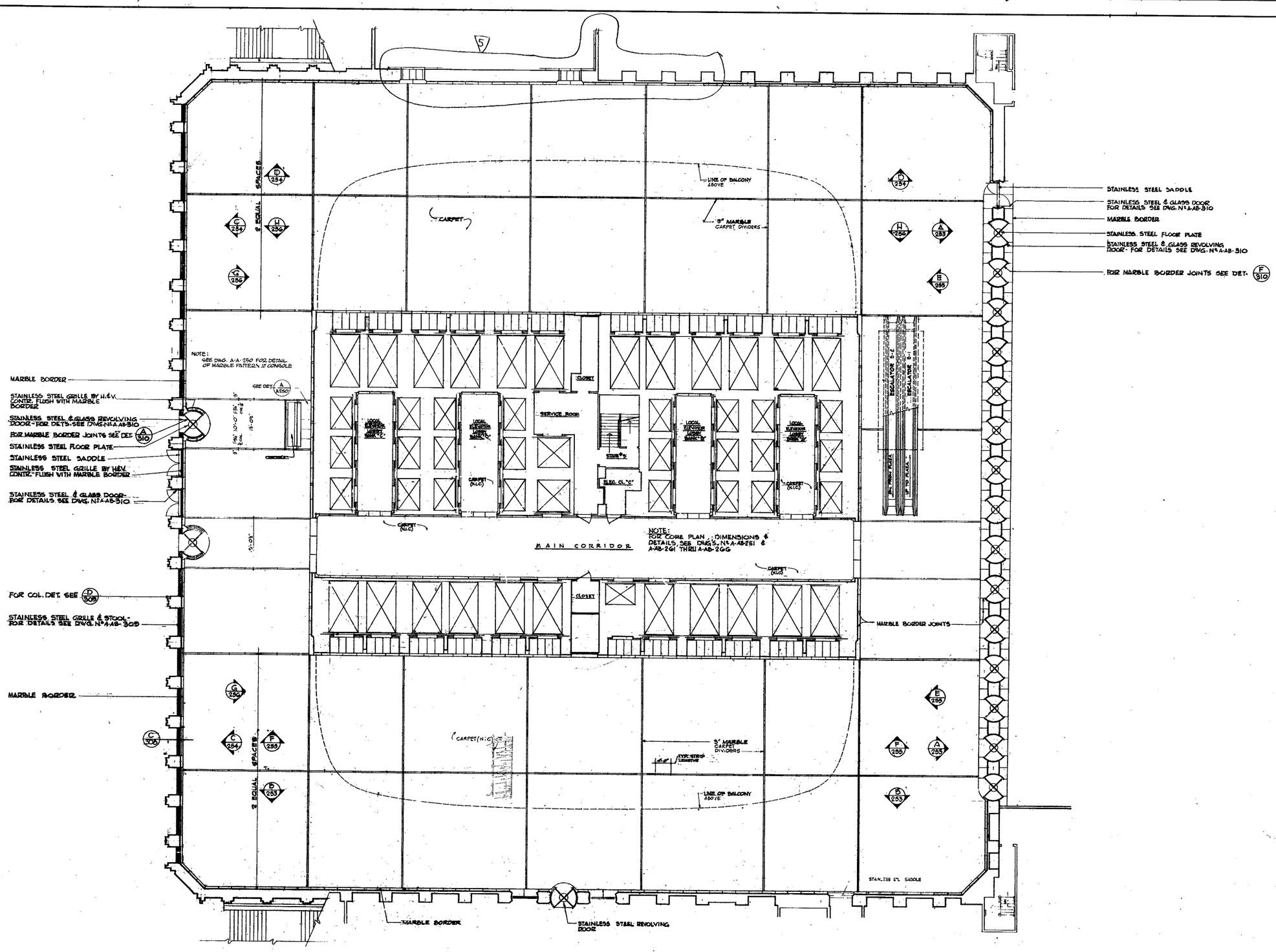
3½"=1'-0": 0" 3" 6" 1' 2'

TITLE: ELEVATOR SHAFT DOOR FRAME DETAILS

DRAWN	W.J.P.	CHECKED	
SCALE	1½"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-240		



BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	1-25-72	B-150	A.K.
2	11-6-70	B-90	R.M.
3	5-16-30	A-47	Q.A.
4	5-23-69	A-25	P.L.
5	6-25-68	B-6	H.J.

REVISIONS

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CHIEF PLANNING DIVISION
DATE

REGISTERED ARCHITECT

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TITLE: MAIN LOBBY EL. 310'-0" CONCOURSE FLOOR PLAN

DRAWN	A.D.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A · B · 250		

File in AAB Series

NORTH
TOWER-B

NORTH
TOWER-A

138'-6"

MARBLE DIVIDER STRIPS

MARBLE FLOOR

LINE OF STAINLESS STEEL SOFFIT ABOVE

FINISH DIMENSIONS SIMILAR TO LOBBY BANK "B"

LOCAL ELEVATOR LOBBY BANK "C"

LOCAL ELEVATOR LOBBY BANK "D"

LOCAL ELEVATOR LOBBY BANK "B"

LOCAL ELEVATOR LOBBY BANK "A"

MARBLE BORDER

CARPET (N.I.C.)

MARBLE FLOOR AT CANOPIES SEE DWG. A-AB 250

MARBLE DIVIDER STRIP

MARBLE BORDER

MAIN CORRIDOR

MARBLE BORDER JOINTS

MARBLE FLOOR

TYP. ELEVATOR DOOR OPNG.

DIMENSIONS OF MARBLE WALL PANELS ARE SIMILAR TO THOSE OF WEST WALL

8" MARBLE DIVIDER STRIP

CARPET (N.I.C.) EL. 332'-0"

UPPER LANDING VERIFYING POINT

LOWER LANDING VERIFYING POINT

MARBLE DIVIDER STRIP

STAINLESS STL. FLOOR GRILLE

8" MARBLE DIVIDER STRIP

MARBLE BORDER

STAINLESS STL. & GLASS RAIL

FACE OF MARBLE CORE WALL

ESCALATOR A-218-2 UP FROM PLAZA

ESCALATOR A-218-1 UP TO PLAZA

EL: 310'-0"

CARPET (N.I.C.)

8" MARBLE DIVIDER STRIPS

PART PLAN @ PLAZA ESCALATOR OPENING

NOTE
SEE ESCALATOR DETAILS ON DWG. No A-AB-204

NOTES
1. ALL DIMENSIONS SHOWN ARE FROM FINISH TO FINISH

CONTRACT	BID DRAWING date	2-7-68 Tower 'A'	3-1-68 Tower 'B'

NO.	DATE	SUL. NO.	BY
1	11-6-70	A-46	D.A.
2	9-11-70	A-46	G.D.
3	5-16-70	A-47	R.H.
4	2-22-69	A-28	H.B.
5	8-25-69	A-25	K.K.
6	5-21-68		M.W.

REVISIONS

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CHIEF, PLANNING DIVISION
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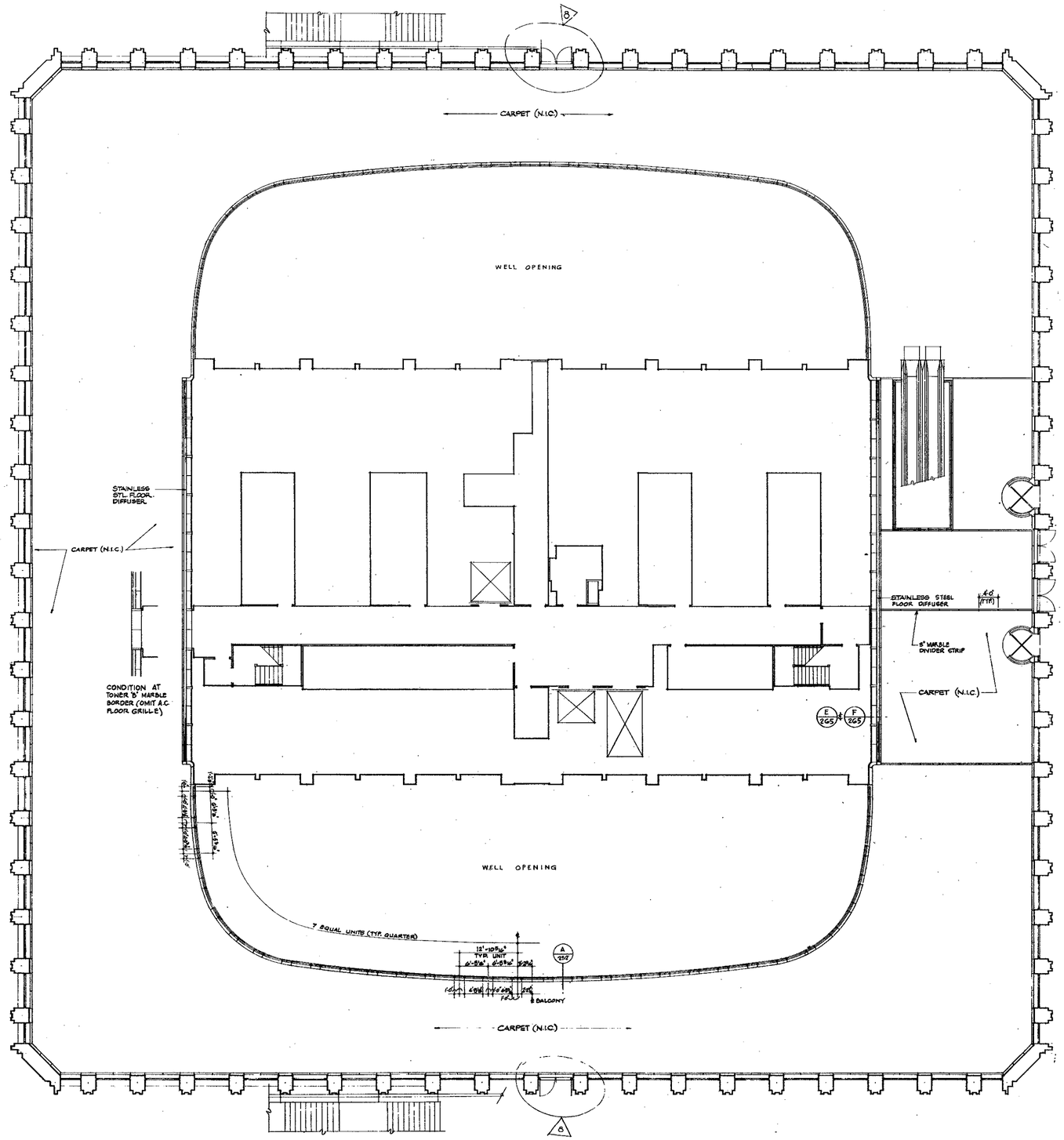
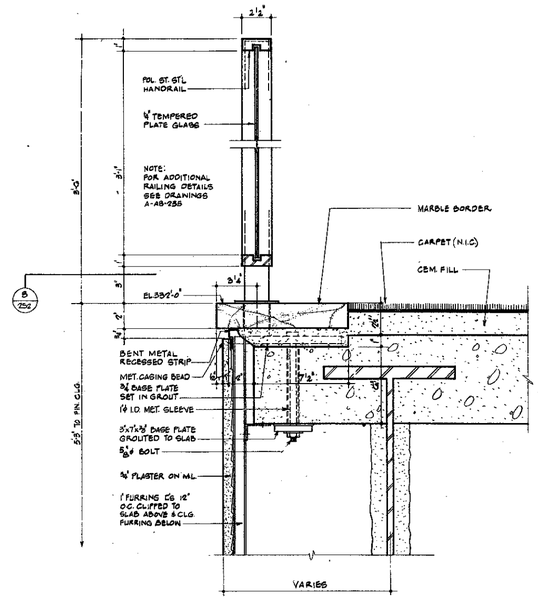
1/4"=1'-0" 0 1' 2' 3' 4' 6' 12'

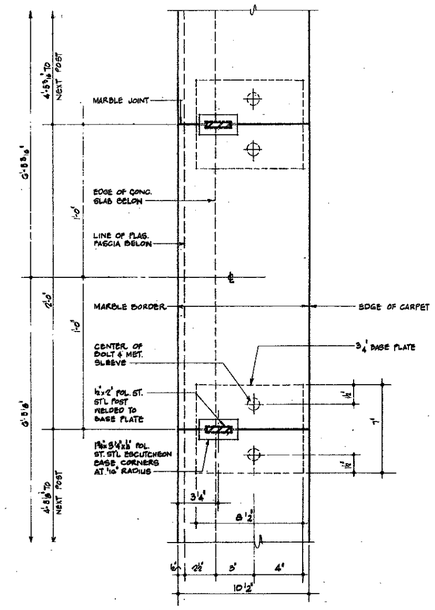
TITLE: MAIN LOBBY CONCOURSE CORE PLAN EL 310'-0"

DRAWN	H. F.	CHECKED	
SCALE	1/4"-1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-251		





A/252 SECTION THRU BALCONY RAILING
SCALE: 3"=1'-0"



B/252 PLAN THRU BALCONY RAILING
SCALE: 3"=1'-0"

NO.	DATE	REVISION NO.	BY
6		4-27-70 #300	MM
5	11-6-70	4-27-70 #255	R.H.
4	3-16-70	A-47	R.H.
3	9-29-69	A-40	R.H.
2	5-23-69	A-25	D.L.
1	6-20-68	A-8	H.J.
0	4-22-68	A-5	I.C.
1	3-21-68		M.M.

CONTRACT NO. DRAWING date 2-1-68 Tower 'A' 3-1-68 Tower 'B'

REVISIONS

APPROVED

CHIEF, PLAZA AND DIVISION

DATE

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THE PORT OF NEW YORK AUTHORITY

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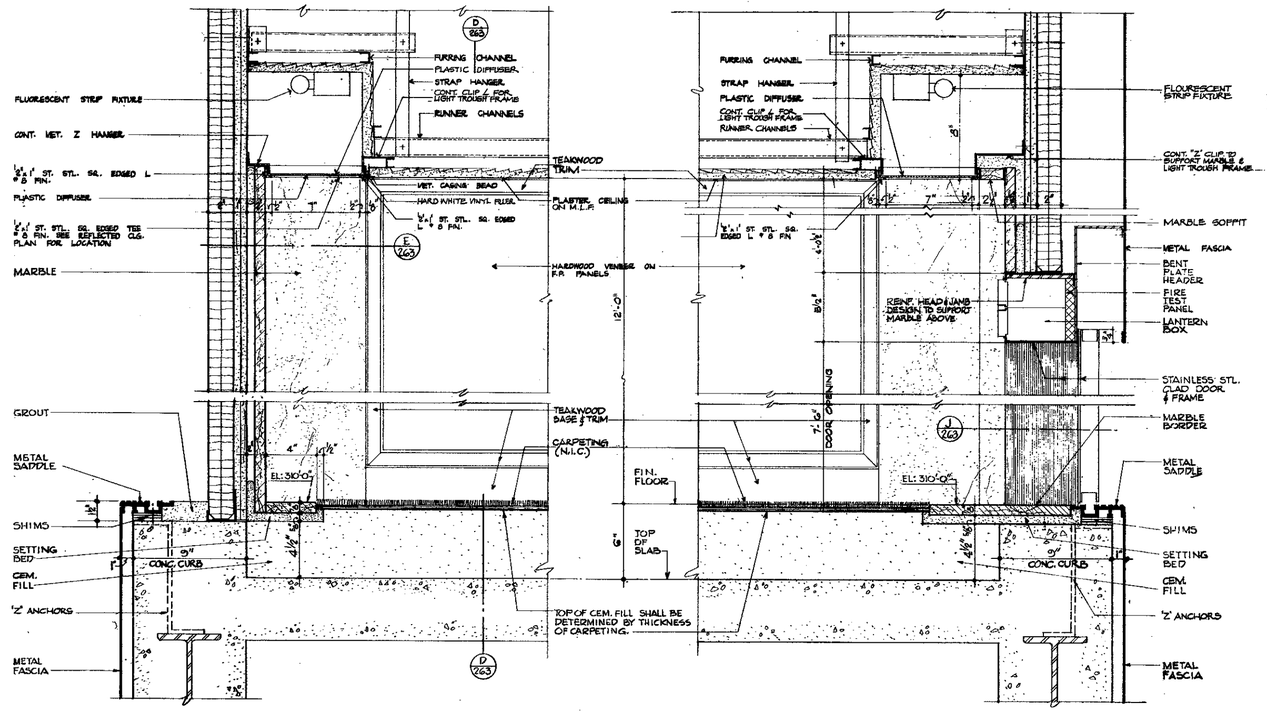
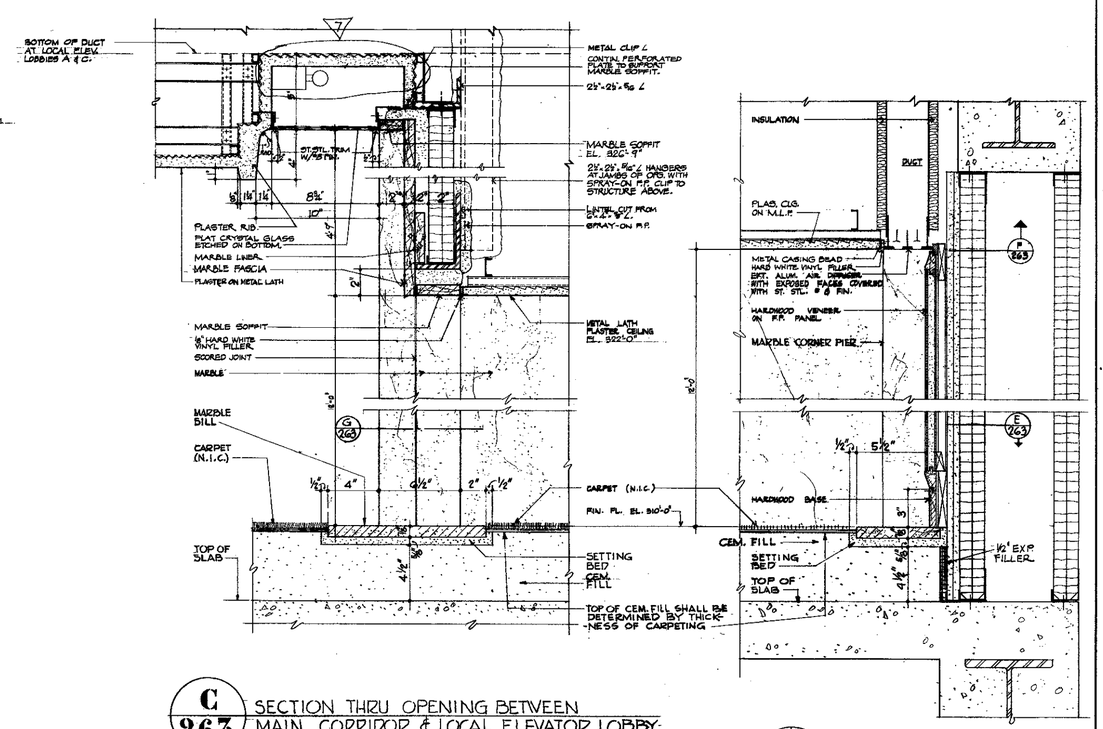
TITLE: MAIN LOBBY
PLAZA FLOOR PLAN & BALCONY RAILING DETAILS

DRAWN | CHECKED
SCALE: 1/8"=1'-0" & AS NOTED
DATE: 7-31-67
PROJECT NUMBER
CONTRACT NUMBER: A-AB 252



A 263 SECTION THRU MARBLE WALL

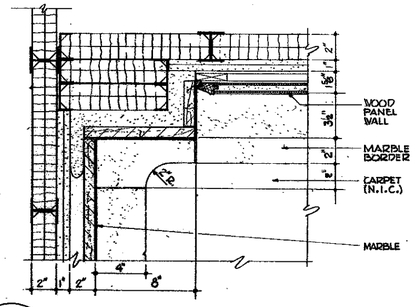
B 263 SECTION THRU ELEVATOR SHAFT DOOR



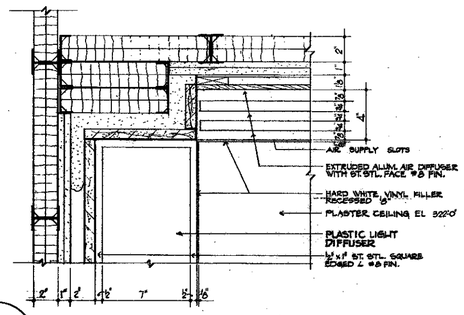
C 263 SECTION THRU OPENING BETWEEN MAIN CORRIDOR & LOCAL ELEVATOR LOBBY

D 263 SECTION THRU END WALL

NOTE: FOR FULL SIZE HARDWOOD VENEER PANEL DETAIL SEE DWG A-AB-221

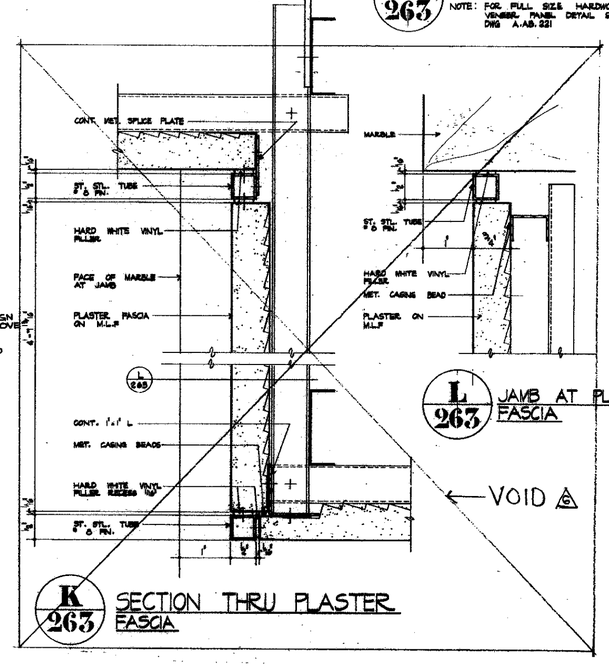


E 263 FLOOR PLAN COND. AT END WALL



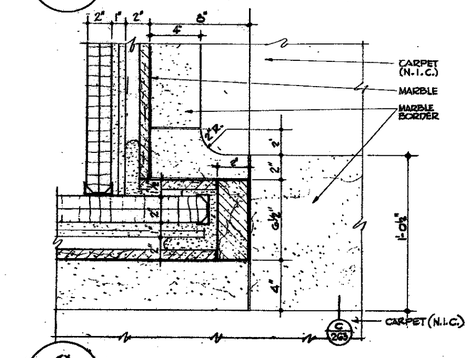
F 263 REFL. CEILING PLAN AT END WALL

J 263 JAMB DETAIL OF ELEVATOR SHAFT DOOR

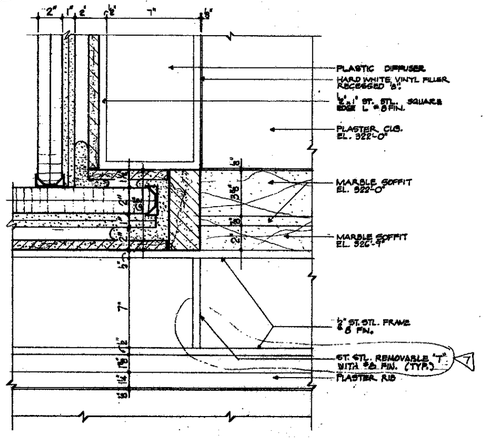


L 263 JAMB AT PLASTER FASCIA

K 263 SECTION THRU PLASTER FASCIA



G 263 FLOOR PLAN COND. AT OPN'G. BETWEEN MAIN CORRIDOR & LOCAL ELEV. LOBBY



H 263 REFL. CEIL. PLAN AT OPN'G. BETWEEN MAIN CORRIDOR & LOCAL ELEVATOR LOBBY

CONTRACT BID DRAWING date 2-2-68 Towers 'A' 2-1-68 Towers 'B'

NO.	DATE	SHL. NO.	BY
4	4-6-71	A-256	M.M.
3	3-3-71	A-251	E.A.
2	11-6-70	A-256	E.A.
1	9-11-70	A-251	E.A.
5	5-16-70	A-251	E.C.
4	5-26-69	A-256	M.S.
3	5-23-69	A-17	M.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

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RICHARD ROTH, ARCHITECT

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JAROS, BAUM & BOLLES
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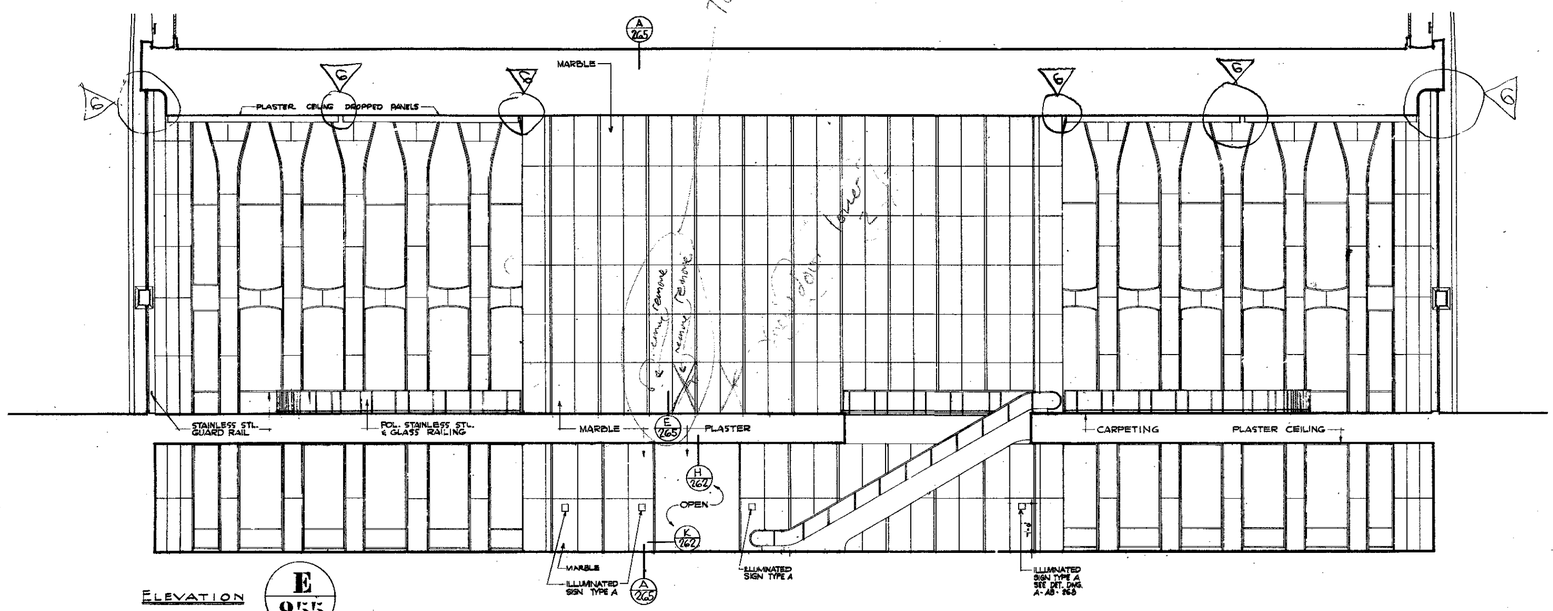
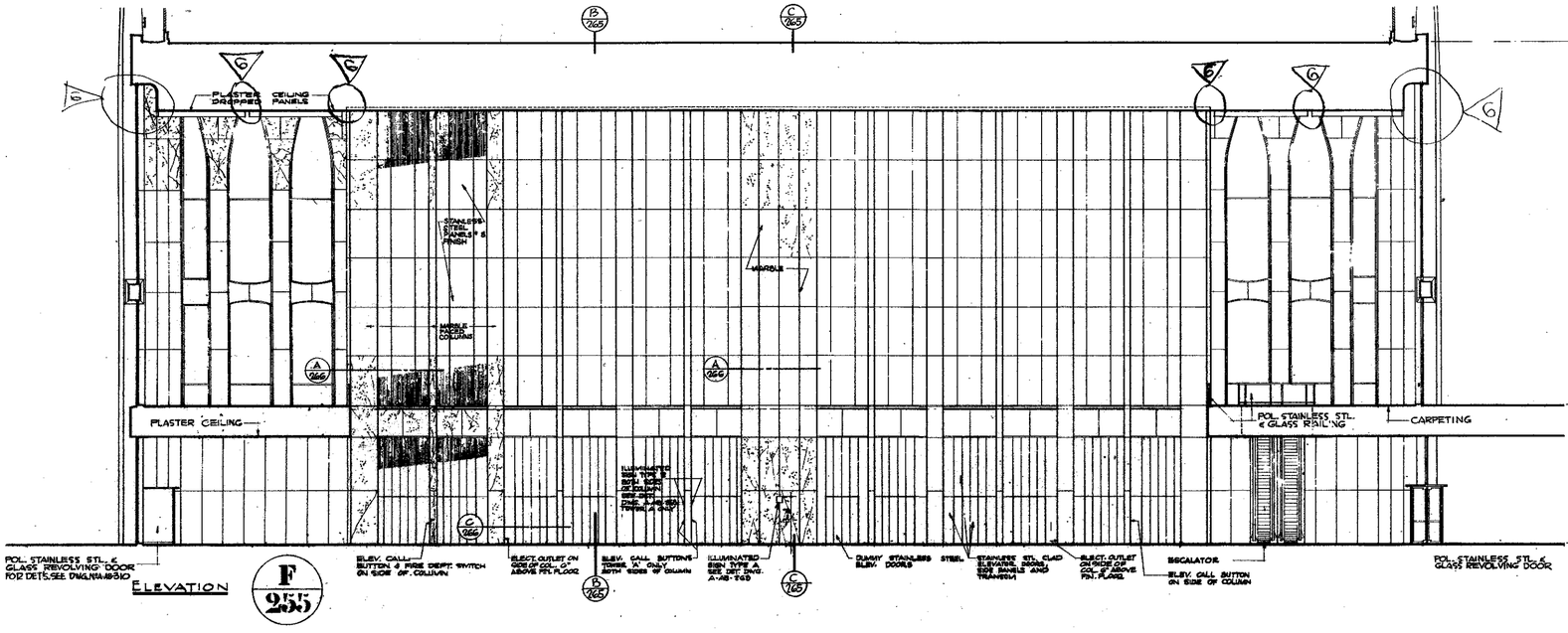
0 1" 2" 3"-4" 8"-8" 9" 1'

TITLE: MAIN LOBBY LOCAL ELEVATOR LOBBY DETAILS

DRAWN H.F. CHECKED
SCALE 3"=1'-0" DATE 7-31-67
PROJECT NUMBER SHEET OF
DRAWING NUMBER A-AB-263



ELEVATION **E** / **255**



POL. STAINLESS STL. & GLASS REVOLVING DOOR FOR DETS. SEE DWG. NO. A-AB-310

ELEVATION **F** / **255**

NORTH - TOWER A

NORTH - TOWER B

KEY PLAN 1"=80'-0" (SHOWN AT 310'-0" EL.)

NO.	DATE	SUB. NO.	BY
3	1-16-71	A-141	
2	11-6-70	A-99	
1	11-27-69	A-25	
5	5-23-69	A-25	
4	6-20-68	A-25	
3	3-21-68		

REVISIONS

CONTRACT NO. DRAWING date 1-2-68 Towers 'A' 3-1-68 Towers 'B'

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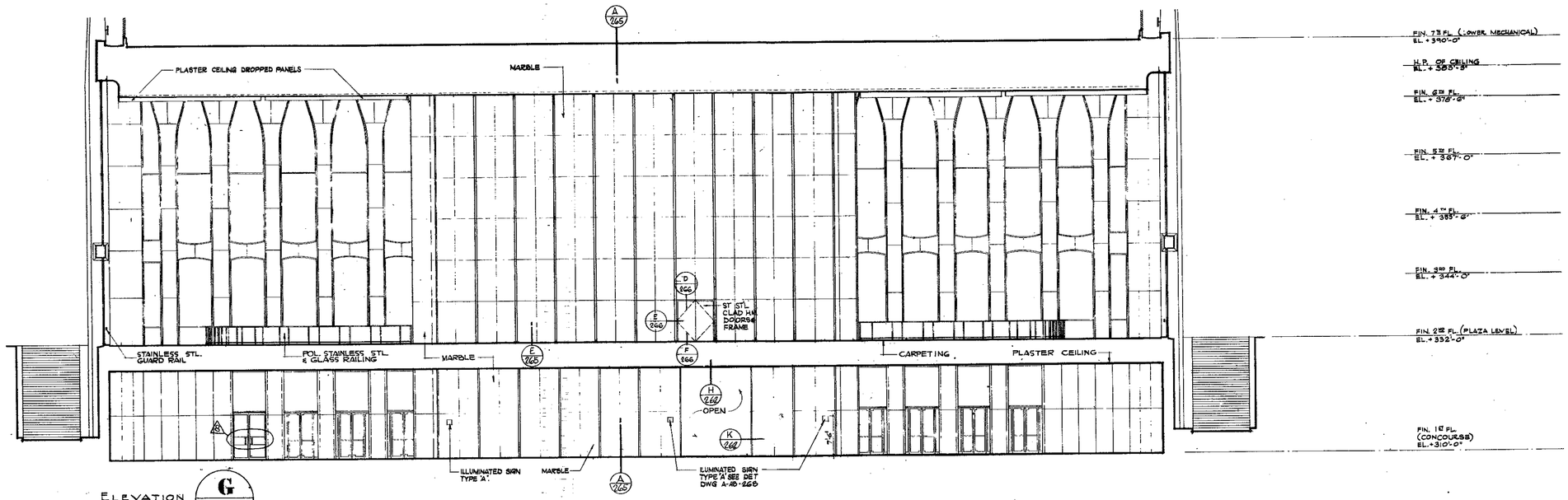
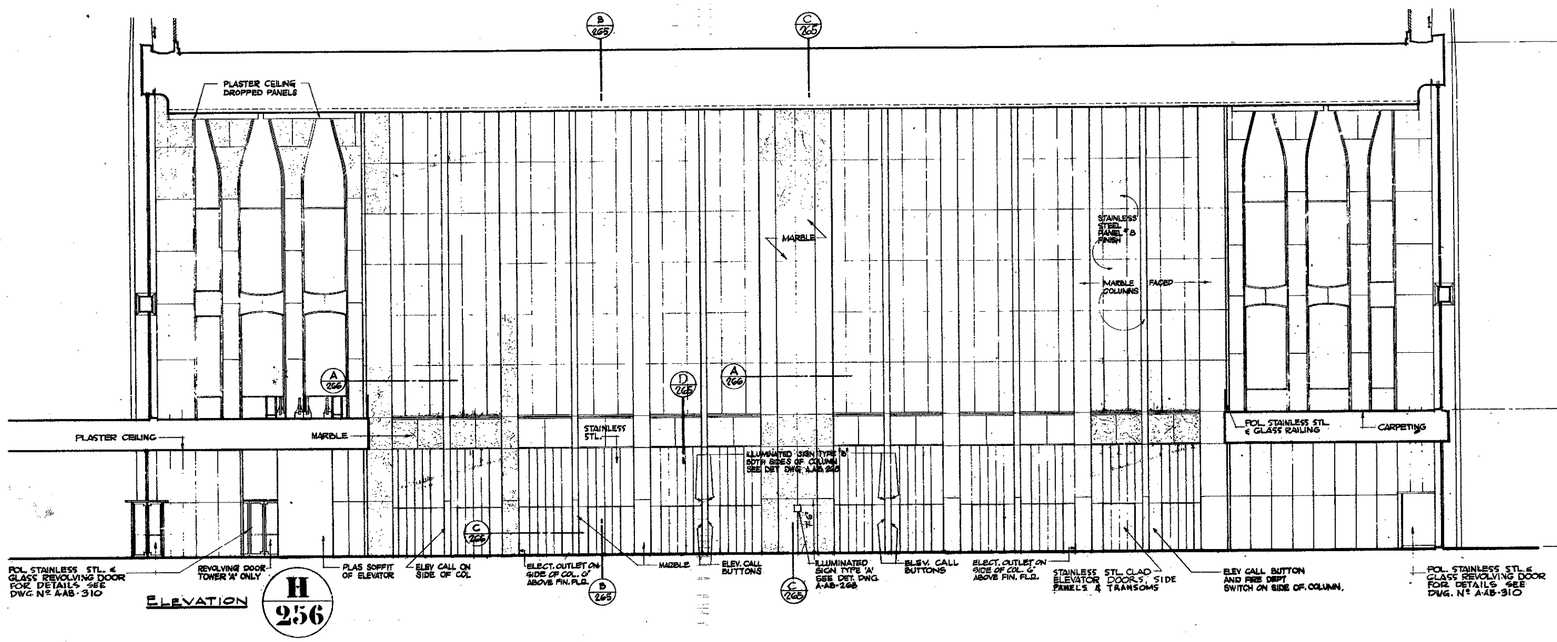
TITLE: MAIN LOBBY ELEVATIONS 'E' & 'F'

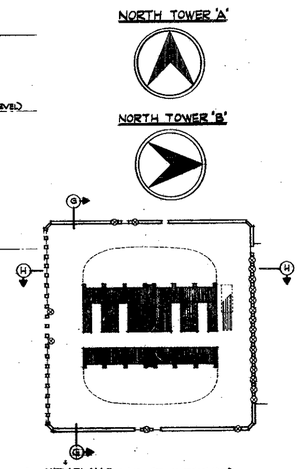
DRAWN	S.P.V. & A.D.	CHECKED	
SCALE	3/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	67
DRAWING NUMBER	A AB-255		



ELEVATION G/256



ELEVATION H/256



KEY PLAN (SHOWN AT 310'-0" EL.)

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT	BID DRAWING date	2-1-68 TOWER 'A'	3-1-68 TOWER 'B'
7-25-72	A-256	A.K.	
3-18-71	A-256	M.M.	
11-6-70	A-256	D.A.	
5-16-70	A-17		
12-22-69	A-256	M.B.	
5-23-69	A-25	N.S.	
[illegible]	A-25	H.J.	
5-21-68	A-25	M.W.	

NO. DATE SUB. NO. BY REVISIONS

NO. DATE SUB. NO. BY REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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MECHANICAL ENGINEERS

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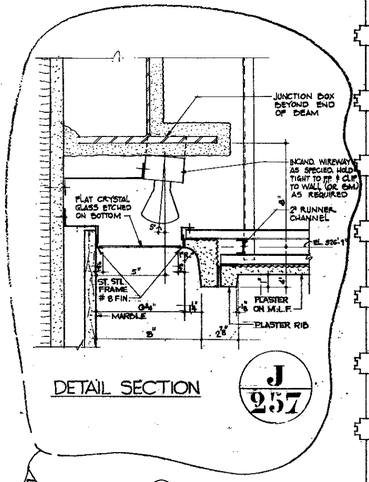
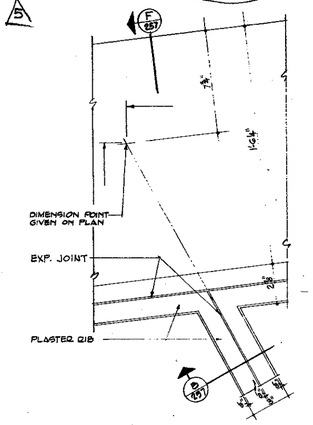
TITLE: MAIN LOBBY ELEVATIONS 'G' & 'H'

DRAWN	C.P.V. & A.B.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-256		



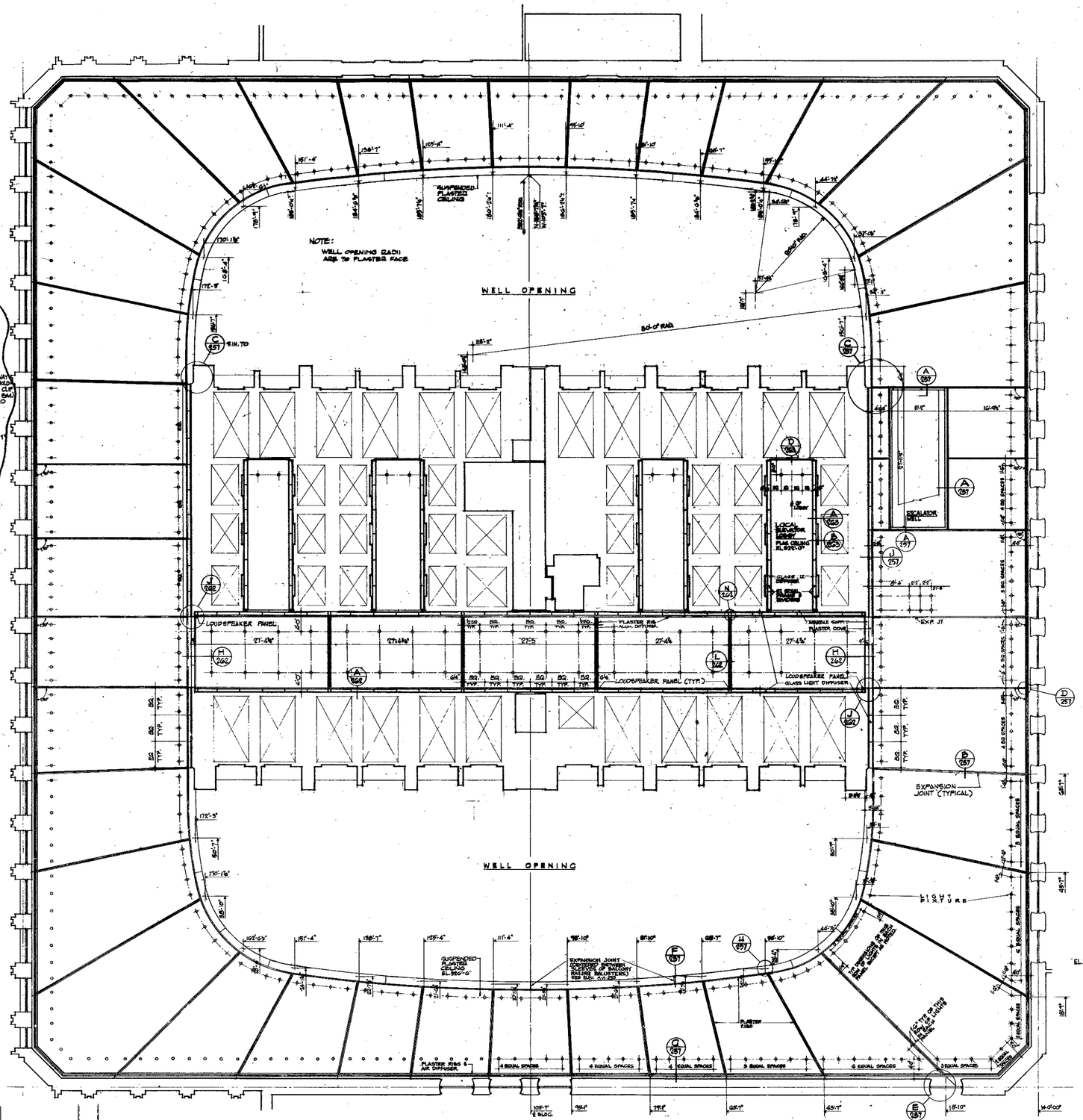
DETAIL SECTION

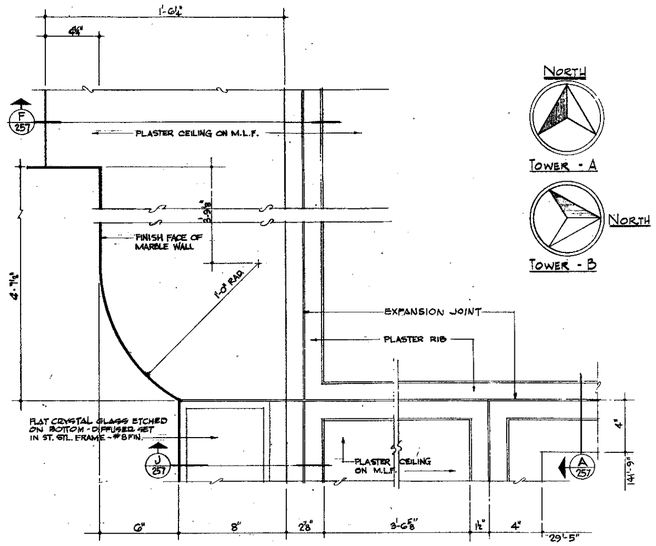
J 257



DETAIL SECTION
SCALE: 3" = 1'-0"

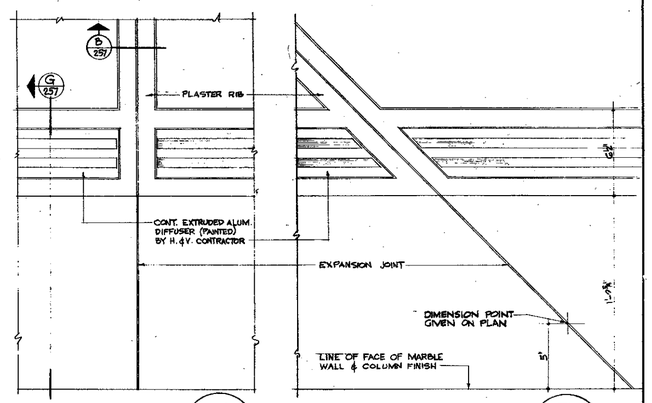
H 257





REFLECTED PLAN DETAIL SCALE: 3" = 1'-0"

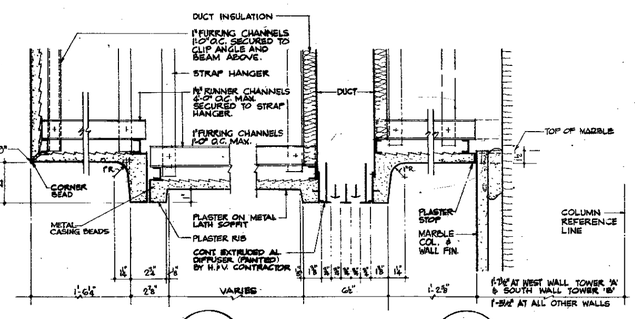
C 257



REFLECTED PLAN DETAIL SCALE: 3" = 1'-0"

D 257

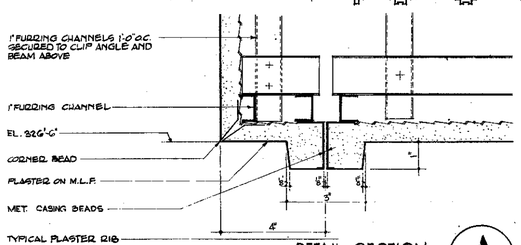
E 257



DETAIL SECTION
SCALE: 3" = 1'-0"

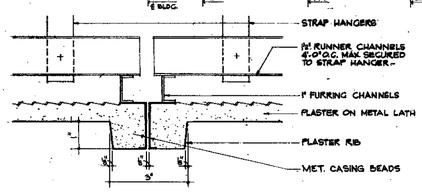
F 257

G 257



DETAIL SECTION
SCALE HALF SIZE

A 257



DETAIL SECTION
SCALE HALF SIZE

B 257

NOTE: WALL OPENINGS SHOWN ARE FOR TOWER 'A' SEE DRAWING A-B-250 FOR WALL OPENINGS IN TOWER 'B'.

CONTRACT BID DRAWING date 6-7-71 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	BUL. NO.	BY
12	12-27-71	A-204	A.K.
11	4-14-71	A-195	B.M.
10	2-3-71	A-181	S.D.
9	11-10-70	A-169	D.A.
8	12.12.69	A-125	H.B.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION.

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

3/16"=1'-0" 0 4' 8' 16' 24'

TITLE: MAIN LOBBY-CONCOURSE REFLECTED CEILING PLAN AND DETAILS

DRAWN	H.B.	CHECKED	
SCALE	1/8"=1'-0"	DATE	
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-257		

TOWER 'A' NORTH

TOWER 'B' NORTH

NOTE:
SEE PANEL DIMENSIONS AND DETAILS SEE DWG # A-AB-254

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
A	2-18-71	A-28	R.D.
A	11-4-70	A-26	R.A.
A	5-16-70	A-27	J.G.
A	12-22-69	A-25	J.S.

REVISIONS

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CHIEF, PLANNING DIVISION

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RICHARD ROTH, ARCHITECT

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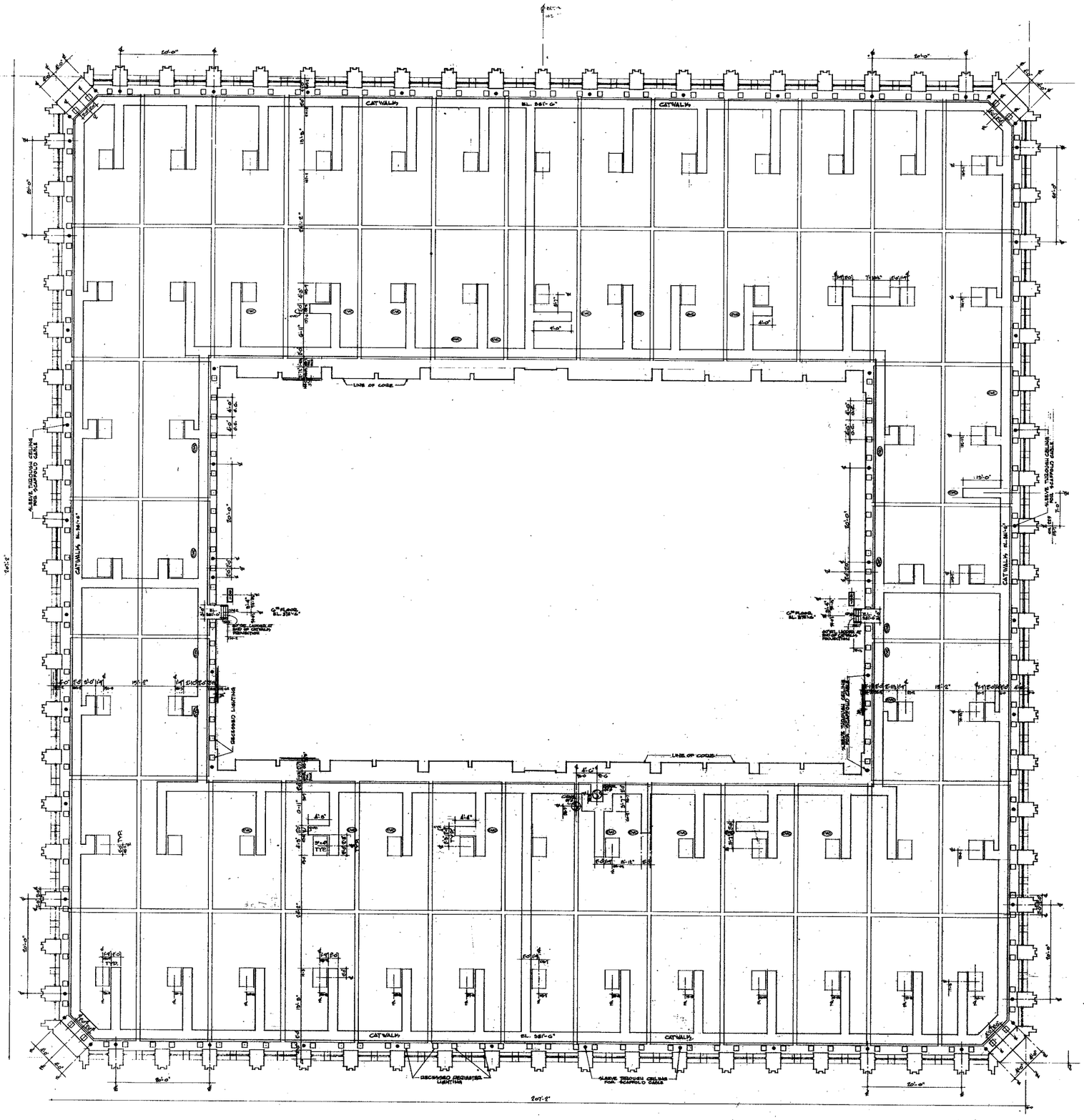
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4 8' 16' 24

TITLE
MAIN LOBBY - PLAZA
REFLECTED CEILG. PLAN

DRAWN	S.P.Y.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-258		



NORTH

CONTRACT BID DRAWING date 2-2-68 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
REVISIONS			

NO.	DATE	SUB. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"=1'-0" 0 4 8' 16'

THE WORLD TRADE CENTER

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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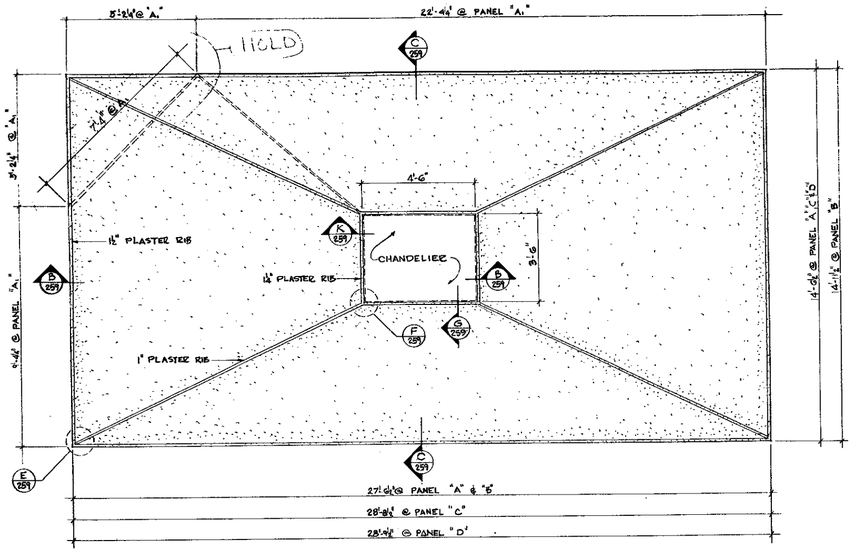
TITLE
MAIN LOBBY- PLAZA
CEILING CATWALK PLAN

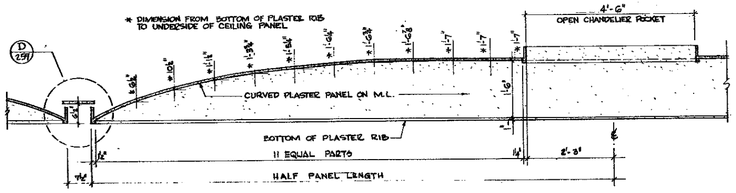
DRAWN	R.F.A.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-17-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·258·A		



A 259 TYPICAL REFLECTED PLAN OF CURVED PLASTER CEILING PANEL

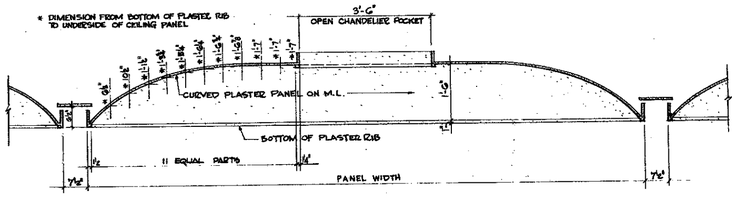
SCALE: ½" = 1'-0"

NOTE: 1" AIR SLOTS CONTINUOUS AROUND PANELS EXCEPT WHERE NOTED ON PLAN DWG. A-AB-258 IN GENERAL SLOTS ARE OMITTED AT PERIMETER WALL.



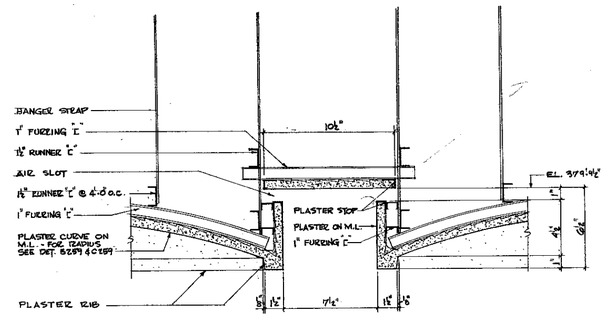
B 259 SECTION

SCALE: ¾" = 1'-0"



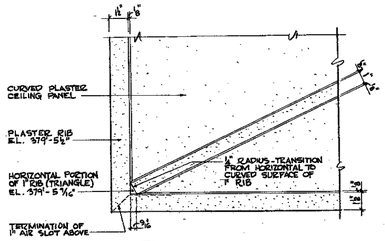
C 259 SECTION

SCALE: ¾" = 1'-0"



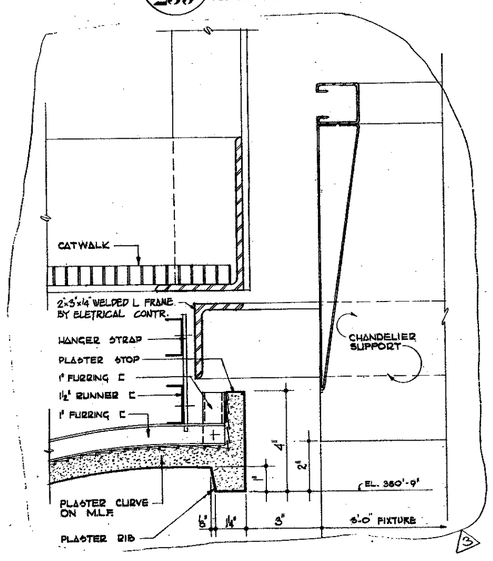
D 259 SECTION THRU PLASTER TROUGH

SCALE: 3" = 1'-0"



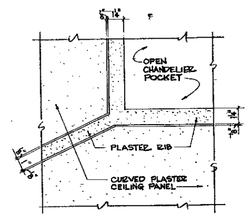
E 259 DETAIL

SCALE: 3" = 1'-0"



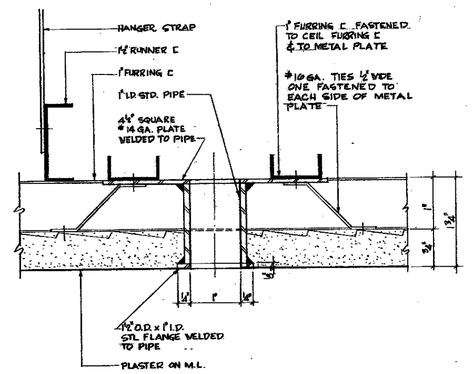
G 259 SECTION THRU PLASTER CHANDELIER OPENING

SCALE: HALF SIZE



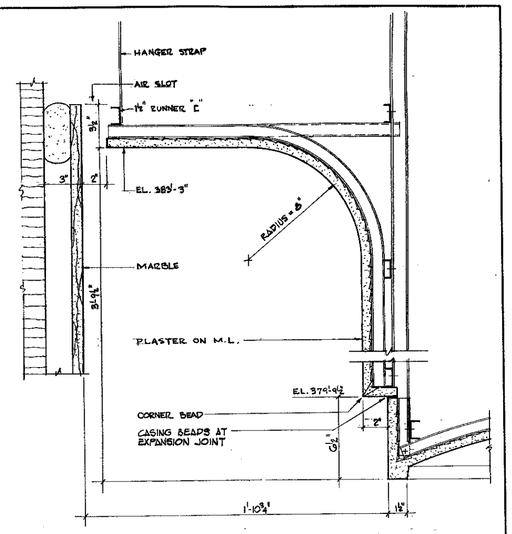
F 259 DETAIL

SCALE: 3" = 1'-0"



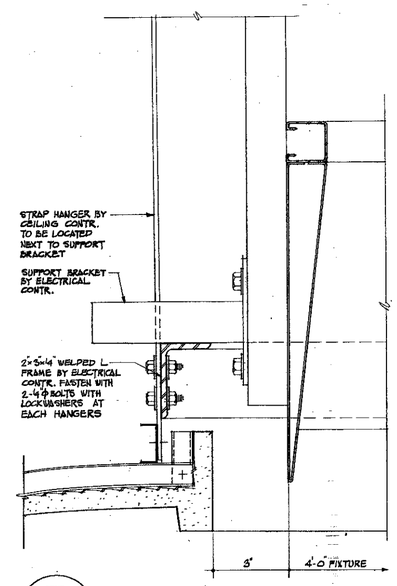
H 259 SECTION THRU SLEEVE FOR WALLWASHER RIG

SCALE: FULL SIZE



J 259 SECTION AT PERIMETER WALL

SCALE: 3" = 1'-0"



K 259 SECTION THRU PLASTER CHANDELIER OPENING

SCALE: HALF SIZE

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'

¾"=1'-0" 0 6" 1' 2' 3' 4'

CONTRACT BID DRAWING data

NO.	DATE	REVISIONS	BUL. NO.	BY
1	5-12-71	ADD'L ITEMS		A.C.
2	8-18-71	ADD'L ITEMS		S.D.
3	8-16-72	A-27		J.G.
4	12-22-09	A-25		J.S.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

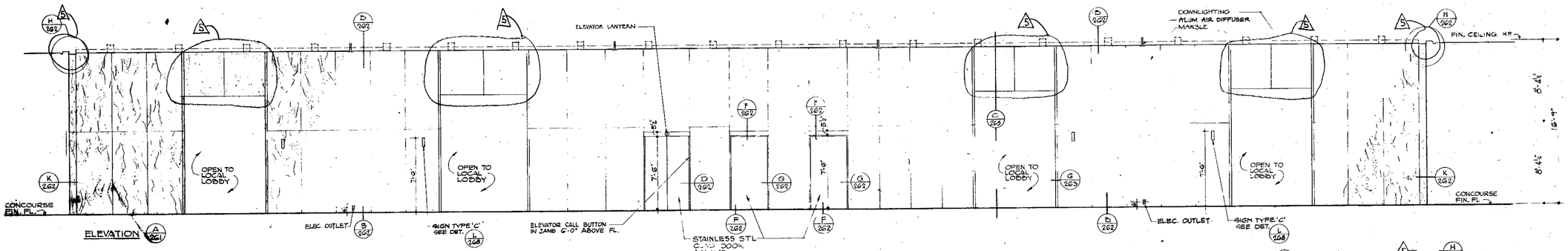
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

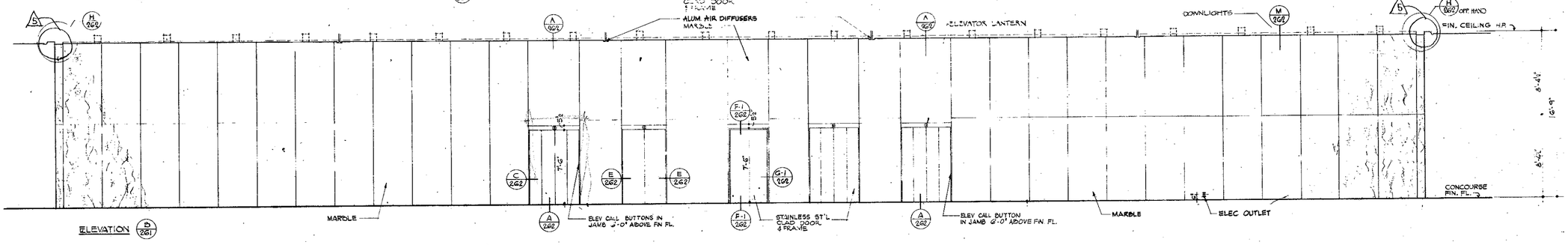
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY - PLAZA CEILING DETAILS

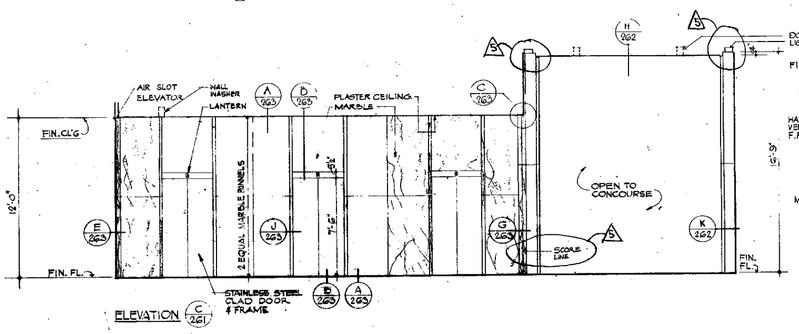
DRAWN	J.M.-S.	CHECKED	
SCALE	AS NOTED	DATE	9/29/09
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-259		



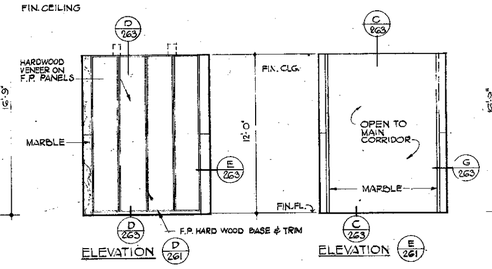
ELEVATION



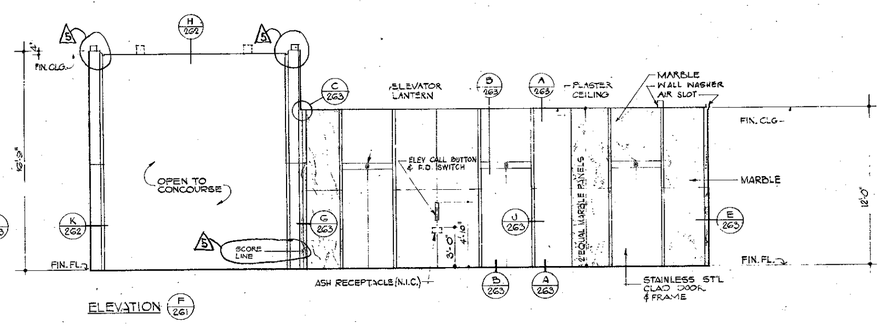
ELEVATION



ELEVATION



ELEVATION ELEVATION



ELEVATION

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	BUL. NO.	BY
5	3-3-71	A101 B-15	R.A.
4	11-6-70	A104 B-15	R.A.
3	5-16-70	A-61	H.B.
2	5-23-69	A-26	S.B.
1	3-21-68		M.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

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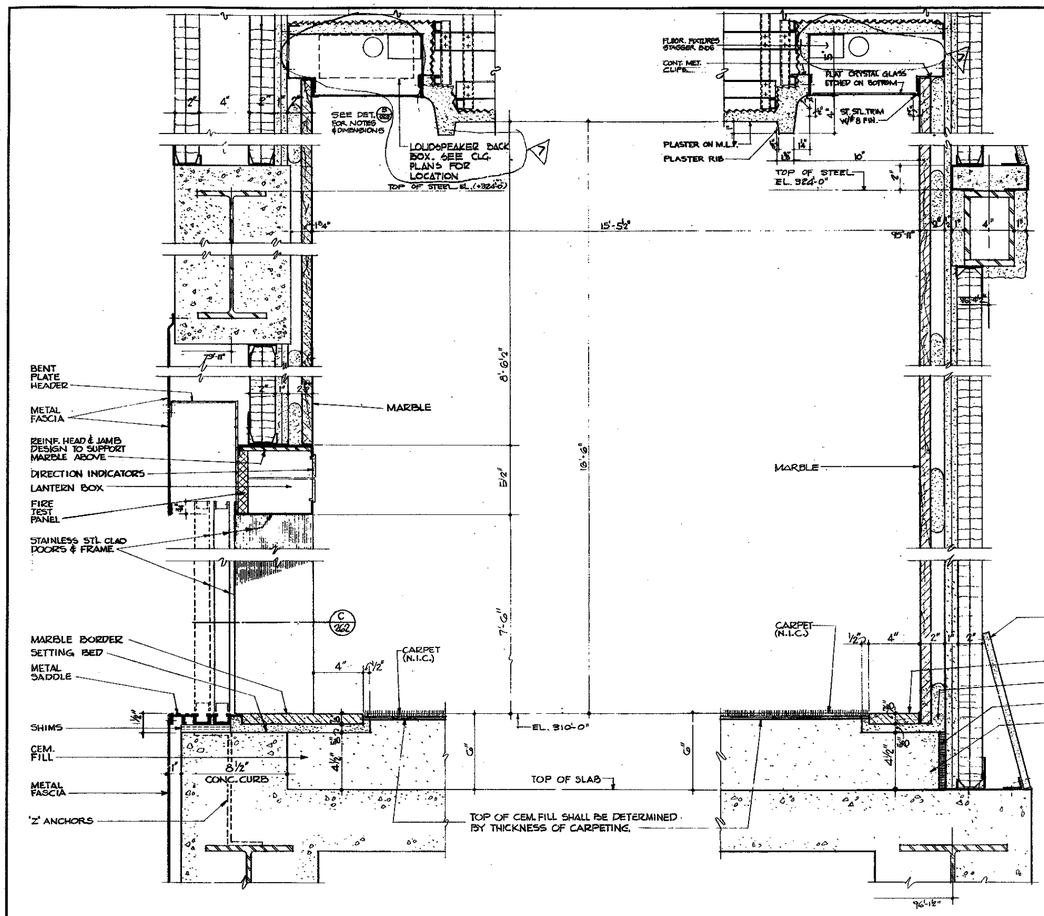
PAVING, UTILITIES, FOUNDATIONS

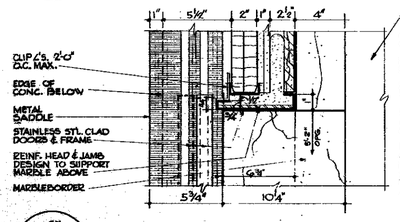
1/4"=1'-0" 0 1' 2' 3' 4' 8'

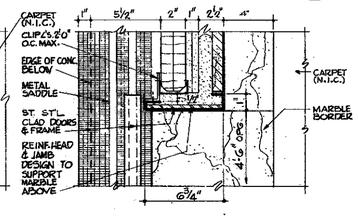
TITLE
MAIN LOBBY
ELEVATIONS OF ELEVATOR LOBBIES AT CONCOURSE

DRAWN	A.B.	CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-261		

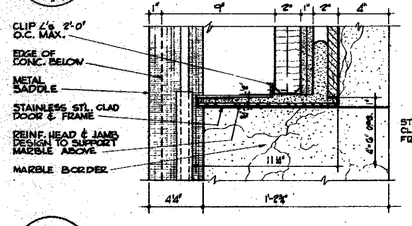


A 262 SECTION THRU ELEVATOR SHAFT DOOR

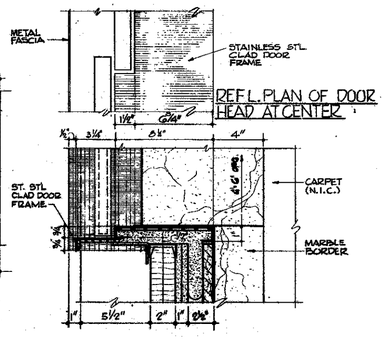




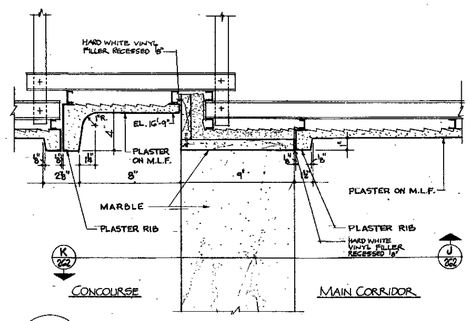
C 262 JAMB DETAIL OF DUAL SPEED ELEV. DOORS



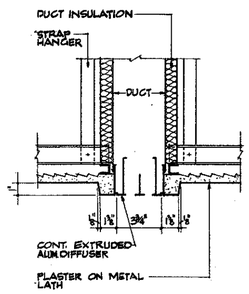
D 262 JAMB DETAIL OF SINGLE SPEED ELEV. DOOR



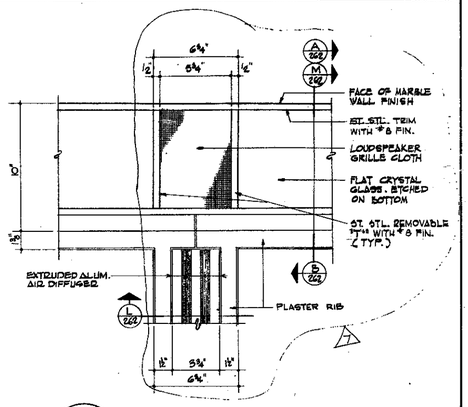
E 262 JAMB & HEAD DETAILS OF FREIGHT ELEVATOR #48



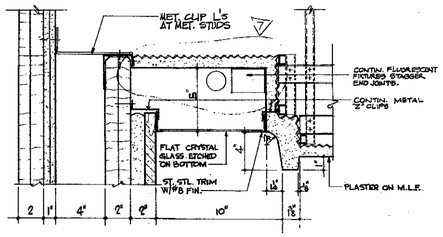
H 262 SECTION THRU OPENING BETWEEN CONCOURSE & MAIN CORRIDOR

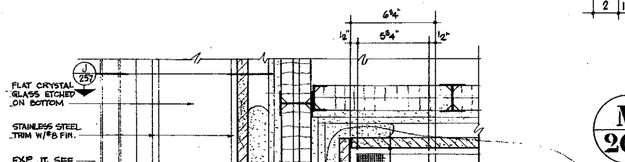


L 262 ALUM. AIR DIFFUSER IN MAIN CORRIDOR

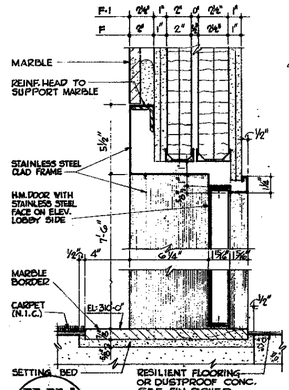


N 262 REFLECTED CEILING PLAN AT ENDS OF AIR DIFFUSER IN MAIN CORRIDOR

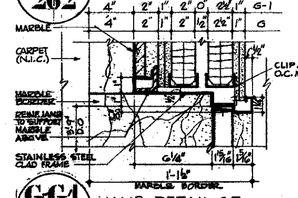




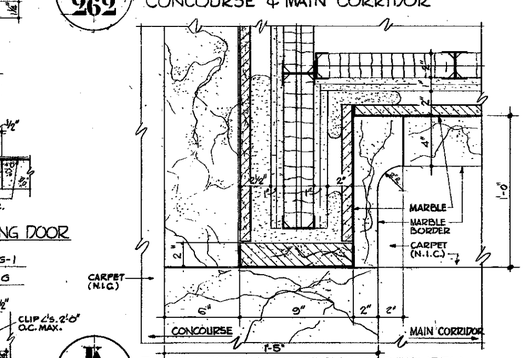
M 262 SECTION THRU. WALL ABOVE INTERMEDIATE BEAM NEAR COLUMNS 901 & 902



F-F1 262 SECTION THRU SWING DOOR



G-G1 262 JAMB DETAIL OF SWING DOOR



K 262 PLAN SECTION OF OPENING BETWEEN CONCOURSE & MAIN CORRIDOR

CONTRACT NO.	DRAWING	date 2-7-68 "Tower A" 3-1-68 "Tower B"
4-14-71	A-104	B.M.
5-3-71	A-104	S.D.
11-6-70	A-104	Q.A.
8-16-70	A-61	M.B.
5-23-69	A-76	S.B.
5-23-69	A-17	S.B.
6-26-69	A-5 B-6	H.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY MAIN CORRIDOR DETAILS

DRAWN	H.F.	CHECKED	
SCALE	3"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-262		

0 1" 2" 3"4" 6"8" 9" 1'
3"=1'-0"

NOTE:
SEE DWG. NO. A-AB-235
FOR RAILING DETAILS

EXTEND RAILING POST DOWN TO TOP OF STEEL AND SECURE WITH CLIP ANGLES
NON CORROSIVE METAL DOWELS
MARBLE BORDER
CARPET (N.I.C.)
CLIP ANGLE CONN. TO RAILING POST
¼" TEMPERED GLASS
STAINLESS STL. RAILING
FIN. FL. EL. 332'-0"
RENT METAL RECESSED STRIP
PLASTER STOP
½" DENT RE. SHELF
METAL EDGE FORM
CLIP ANGLES FASTENED TO STEEL BEAM
PLAS. ON METAL LATH
1" FURRING CHANNELS 1'-0" O.C.

A/264 SECTION AT ESCALATOR WELL OPENING
SCALE: 3"=1'-0"

4'-4" ESCALATOR WIDTH
STAINLESS STL DECK & FINISH
ST STL #8 FINISH
PLAS. STOP
METAL LATH & PLASTER
½" TEMPERED GLASS
EXTEND RAILING POST DOWN TO CONC. SLAB - STEEL PLATE CONNECTION SECURED TO SLAB
1" FURRING CHANNEL FASTENED TOP & BOTTOM
PLAS. STOP
SNAP ON STAINLESS STL BASE
CARPET (N.I.C.)
METAL CLOSURE
ESCALATOR TRUSS
FIN. FL. EL. 332'-0"
TOP OF CONC. SLAB EL. 331'-9⅜"
CEM. FILL
TO CONN. TO RAILING POST
8'-8" SLAB OPENING

HANGER STRAP
⅛" ALUMINUM COVER
CEILING TILE
EXTRUDED ALUMINUM JOINT ALIGNED WITH THE JOINT

D/264 DETAIL OF ACCESS DOOR
SCALE: HALF FULL SIZE

4'-4" ESCALATOR WIDTH
STAINLESS STL DECK & FINISH
LAMINATED GLASS
STAINLESS STL #4 FINISH
PLAS. STOP
TREAD NOSING LINE
TRUSS
DRIP PAN
PLAS. ON METAL LATH FASCIA
½" RUNNER CHANNELS 4'-0" O.C. MAX SECURED TO BOTTOM OF TRUSS
1" FURRING CHANNELS @ 16" O.C. SECURED TO TRUSS
FURRING CHANNELS 1'-0" O.C. MAX
CORNER BEAD
PLAS. ON METAL LATH SOFFIT

E/264 SECTION THRU ESCALATOR INCLINE
SCALE: 3"=1'-0"

101'-8⅝"
8 EQUAL SPACES @ 4'-8"
38'-1⅜"
LAMINATED GLASS
15"x8⅜" STAINLESS STL POST #4 FINISH
3'-4⅜" TRUSS
DRIP PAN
RUNNER CHANNELS 4'-0" O.C. MAX. SECURED TO BOTTOM OF ESCALATOR TRUSS
PLASTER SOFFIT
FURRING CHANNELS 1'-0" O.C. MAX.
22'-0" TO UPPER WORKING POINT
LANDING PLATE
CARPET (N.I.C.)
WORKING POINT
STAINLESS STL SKIRT #4 FINISH
ANGLE CLOSURE
STAINLESS STL BASE #4 FINISH
CARPET (N.I.C.)
SIM. TO D/264
2'-0"x2'-0" FIRE RATED ACCESS DOOR
2'-0"x2'-0" ACCESS PANEL
D/264
A.C. TILE CEILING

B/264 DETAIL AT UPPER ESCALATOR NEWEL
SCALE: 3"=1'-0"

C/264 SECTION THRU ESCALATORS A1 & A2 AND B-1 & B-2

ELEVATION G/264
SCALE: ⅜"=1'-0"

PLASTER FASCIA & SOFFIT

ELEVATION H/264
SCALE: ⅜"=1'-0"

MARBLE BORDER
PLASTER FASCIA
11'-2" FIN. WELL OPENING

EQUAL
℄ RAIL
℄ POST
11'-0"
½" TEMPERED GLASS
MARBLE BORDER
A/264
CLIP ANGLES FASTENED TO STEEL BEAM
MARBLE JOINTS
N.C. DOWELS
PLASTER FASCIA
1" FURRING C'S @ 12" O.C.
CORNER BEAD
H/264
E/264
TREAD NOSING LINE
TOP TRUSS CORD BOTTOM OF TRUSS
27'-11⅝" FIN. WELL OPG.
22'-0" TO LOWER WORKING POINT
P/264
2'-3⅛"
CARPET (N.I.C.)
FIN. FL.
WORKING POINT
STAINLESS STL SKIRT #4 FINISH
PLATE SUPPORTING CONC. BY ESCALATOR CONTRACTOR
DRIP FAN
3'-2⅝"
4'-0"
1'-0"
22'-0" TO FIN. CONCOURSE FL.
1'-11⅞"
2'-0"
POST
139'-9½"
141'-9½"
B/264
⅜" STAINLESS STL TRIM #4 FINISH
3" STAINLESS STL BASE #4 FINISH
G/264
PLASTER FASCIA
LAMINATED GLASS
SIM. TO B/264
⅜" STAINLESS STL TRIM #4 FINISH
3" STAINLESS STL BASE #4 FINISH

F/264 ELEVATION OF ESCALATOR

CONTRACT NO. DRAWING date 2-9-65 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	REVISION NO.	BY
1	11-6-70	1-25	KT-D
2	3-10-70	A-27	NB
3	4-22-68	A-25	MP
4	4-22-68	A-27	KT-D
5	3-21-68	A-1	MW

NO.	DATE	REVISION NO.	BY
6	11-5-68	B-1	MW

APPROVED
CHIEF, PLANNING DIVISION
DATE

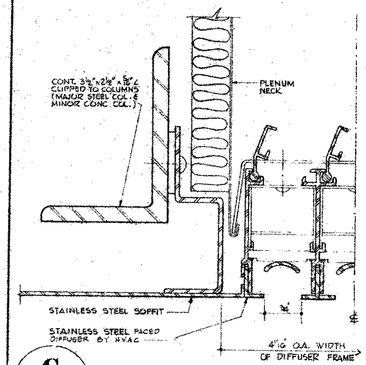
3/4"=1'-0" 0 6" 1' 2' 3' 4'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

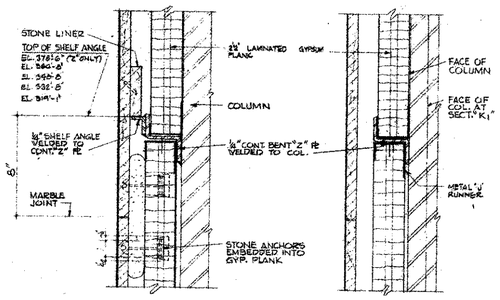
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY ESCALATOR DETAILS

DRAWN	A.B.	CHECKED	
SCALE	3/4"=1'-0" & NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-264		



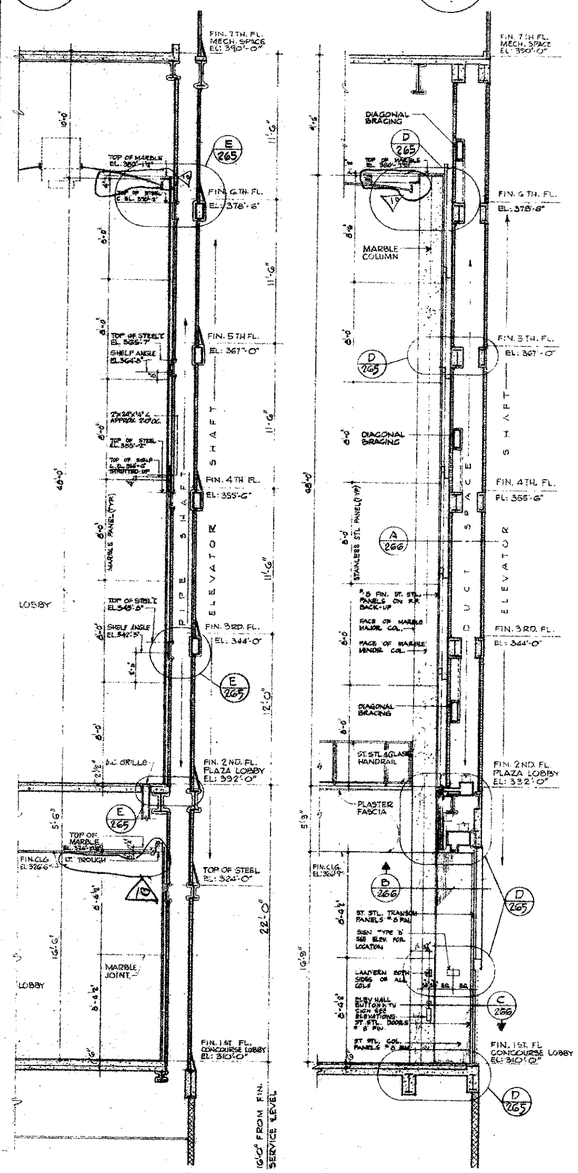
G / 265 DIFFUSER DETAIL
SCALE: F.S.



STONE & PLANK ANCHORAGE DETAILS

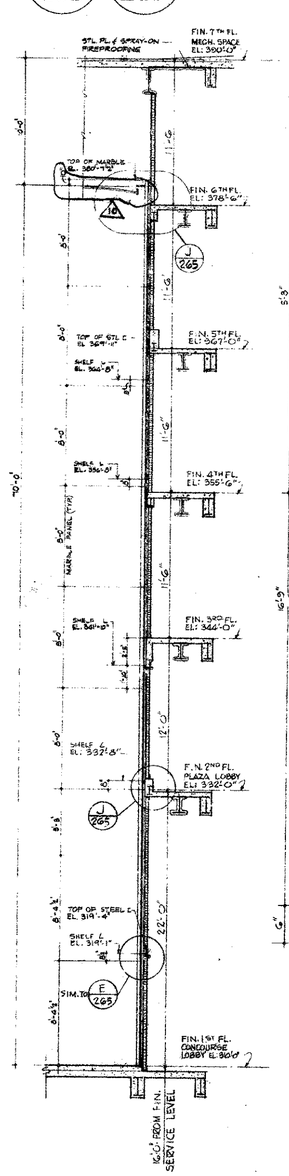
H / 265 SCALE: 3"=1'-0"

K / 265 **K1 / 265** SCALE: 3"=1'-0"

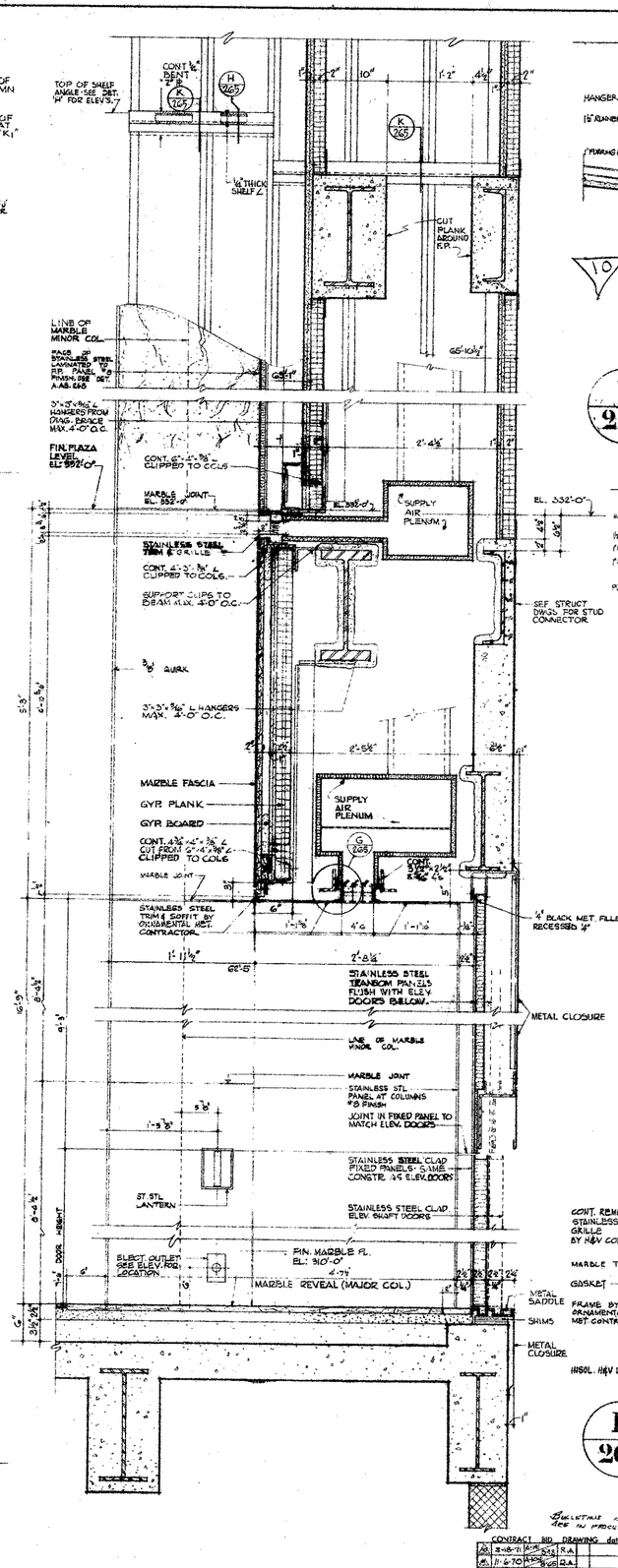


A / 265 CORE WALL SECTION
(EAST & WEST WALL - TOWER 'A', NORTH & SOUTH WALL - TOWER 'B')
SCALE: ¼"=1'-0"

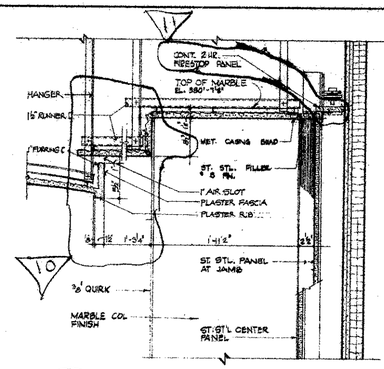
B / 265 CORE WALL SECTION AT SHUTTLE ELEV. DOORS
(NORTH & SOUTH WALLS TOWER 'A', EAST & WEST WALLS TOWER 'B')
SCALE: ¼"=1'-0"

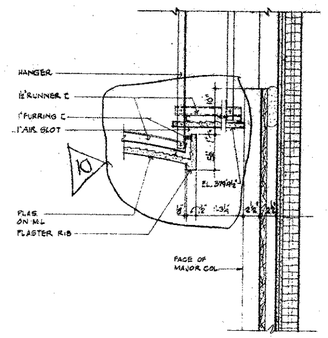


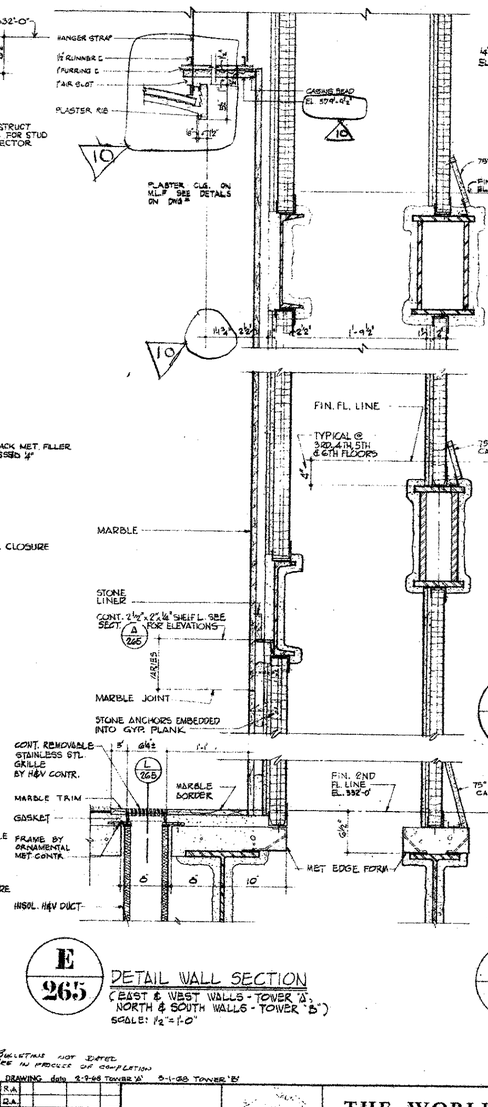
C / 265 CORE WALL SECTION AT MIDPOINT
(NORTH & SOUTH WALLS TOWER 'A', EAST & WEST WALLS TOWER 'B')
SCALE: ¼"=1'-0"



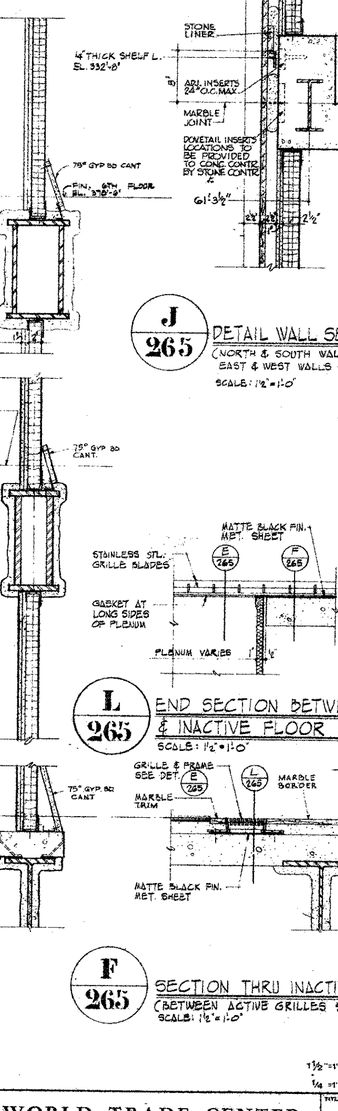
D / 265 CONTINUATION - DETAIL SECTION AT CEILING
(NORTH & SOUTH WALL - TOWER 'A', EAST & WALL - TOWER 'B')
SCALE: 1½"=1'-0"







E / 265 DETAIL WALL SECTION
(EAST & WEST WALLS - TOWER 'A', NORTH & SOUTH WALLS - TOWER 'B')
SCALE: ½"=1'-0"



J / 265 DETAIL WALL SECTION AT MIDPOINT
(NORTH & SOUTH WALLS - TOWER 'A', EAST & WEST WALLS - TOWER 'B')
SCALE: 1½"=1'-0"

L / 265 END SECTION BETWEEN ACTIVE & INACTIVE FLOOR GRILLES
SCALE: 1½"=1'-0"

F / 265 SECTION THRU INACTIVE FLOOR GRILLES
(BETWEEN ACTIVE GRILLES SHOWN IN DET. E/265)
SCALE: 1½"=1'-0"

Bulletins not dated are in process of completion

NO.	DATE	BUL. NO.	BY
		CONTRACT BID DRAWING	date 2-9-66 Tower 'A' 5-1-66 Tower 'B'
A	2-18-71	A-53	R.A.
A	11-6-70	A-50	R.A.
A	9-16-70	A-49	R.H.
A	5-6-70	A-48	H.D.
A	9-29-69	A-60	R.H.
A	9-29-69	A-19	R.H.
A	9-29-69	A-17	R.H.
A	6-25-69	A-26	N.S.
A	6-25-69	A-17	N.S.
A	9-21-68		

REVISIONS

NO.	DATE	BUL. NO.	BY
A	5-26-71	A-54	H.D.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

1½"=1'-0" 0 3" 6" 1'
¼"=1'-0" 0 2 4 8 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

WORTHINGTON SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

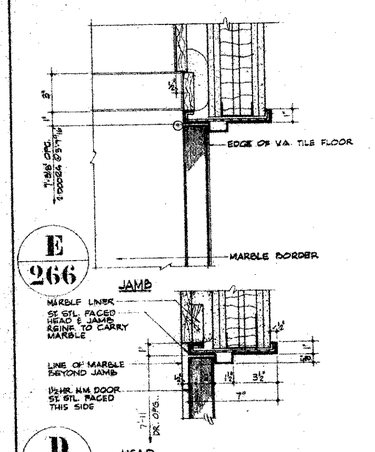
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY CORE WALLS SECTIONS & DETAILS

DRAWN	H. F.	CHECKED	
SCALE	AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	0

DRAWING NUMBER: A-AB-265

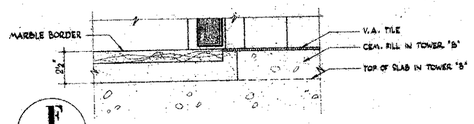


E 266

D 266

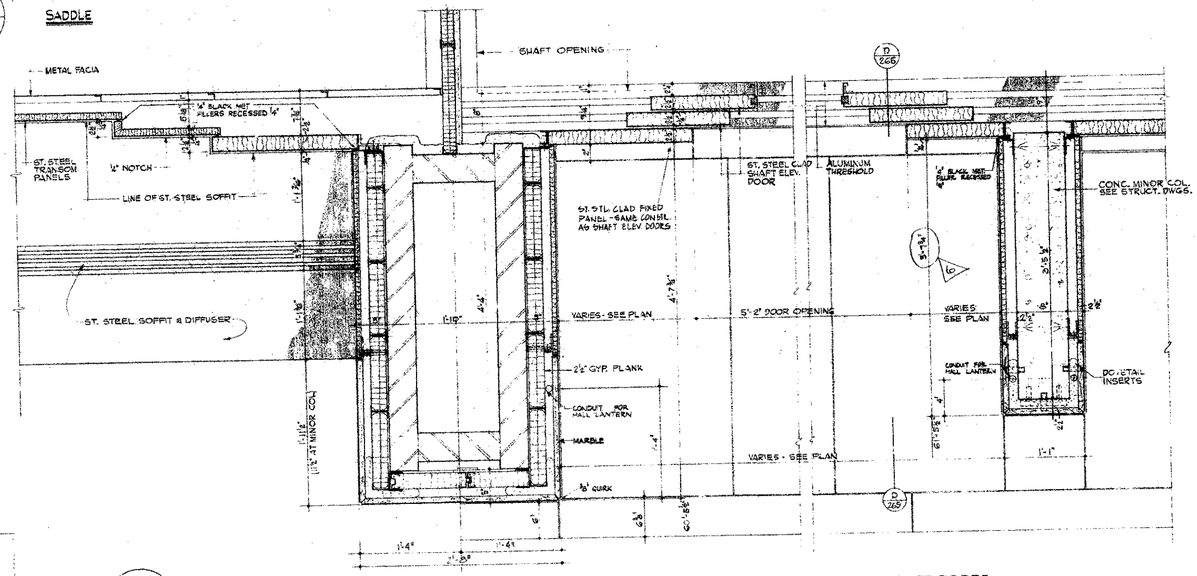
DETAILS OF DOOR AT END OF CORE EL. 33'-0"

SCALE 3"=1'-0"



F 266

SADDLE

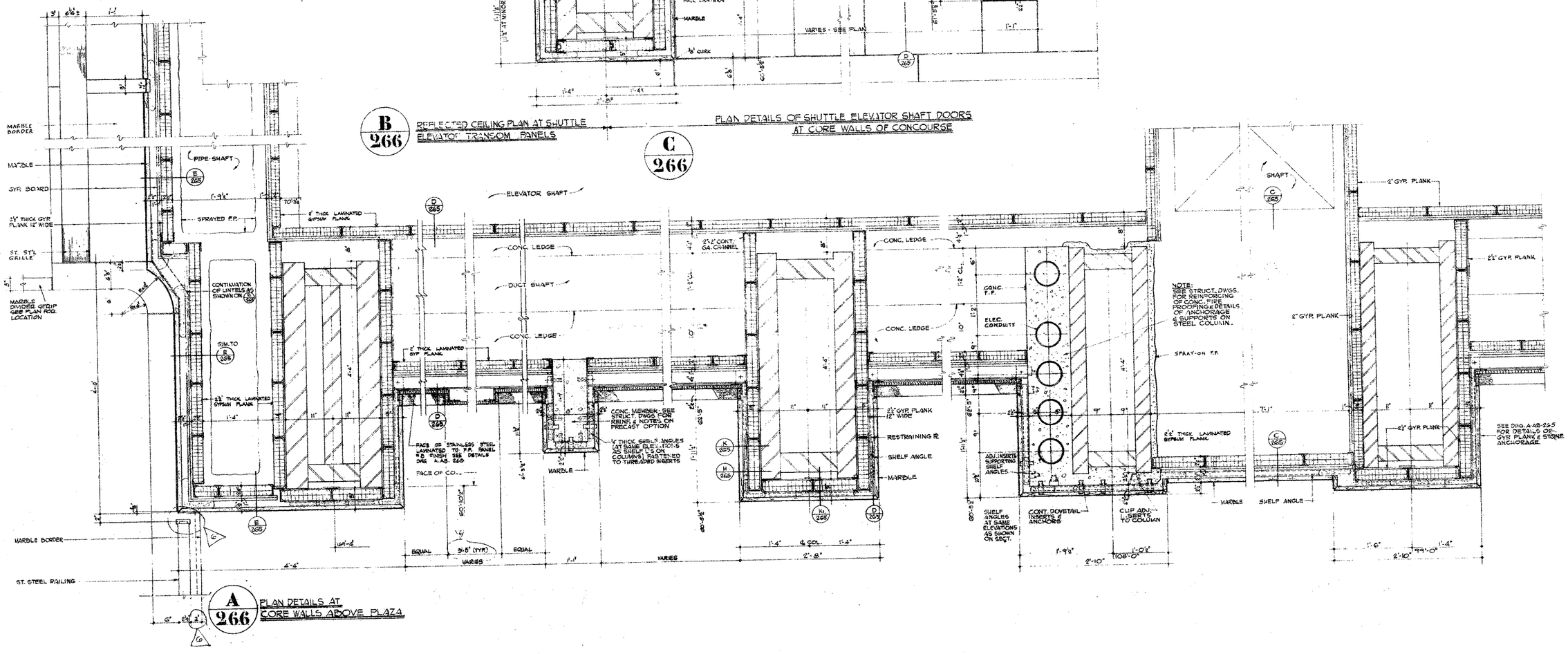


B 266

REFLECTED CEILING PLAN AT SHUTTLE ELEVATOR TRANSOM PANELS

C 266

PLAN DETAILS OF SHUTTLE ELEVATOR SHAFT DOORS AT CORE WALLS OF CONCOURSE



A 266

PLAN DETAILS AT CORE WALLS ABOVE PLAZA

1½"=1'-0" 0 8" 1' 2'

NO.	DATE	BUL. NO.	BY
1	4-6-70	A-60	R.A.
2	3-16-70	A-47	H.B.
3	9-24-69	A-25	N.B.
4	8-28-69	A-17	D.L.
5	6-20-68	A-5	R.
6	3-21-68	A-1	M.N.

CONTRACT BID DRAWING date 3-9-68 Tower 'A' 3-1-68 Tower 'B'

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

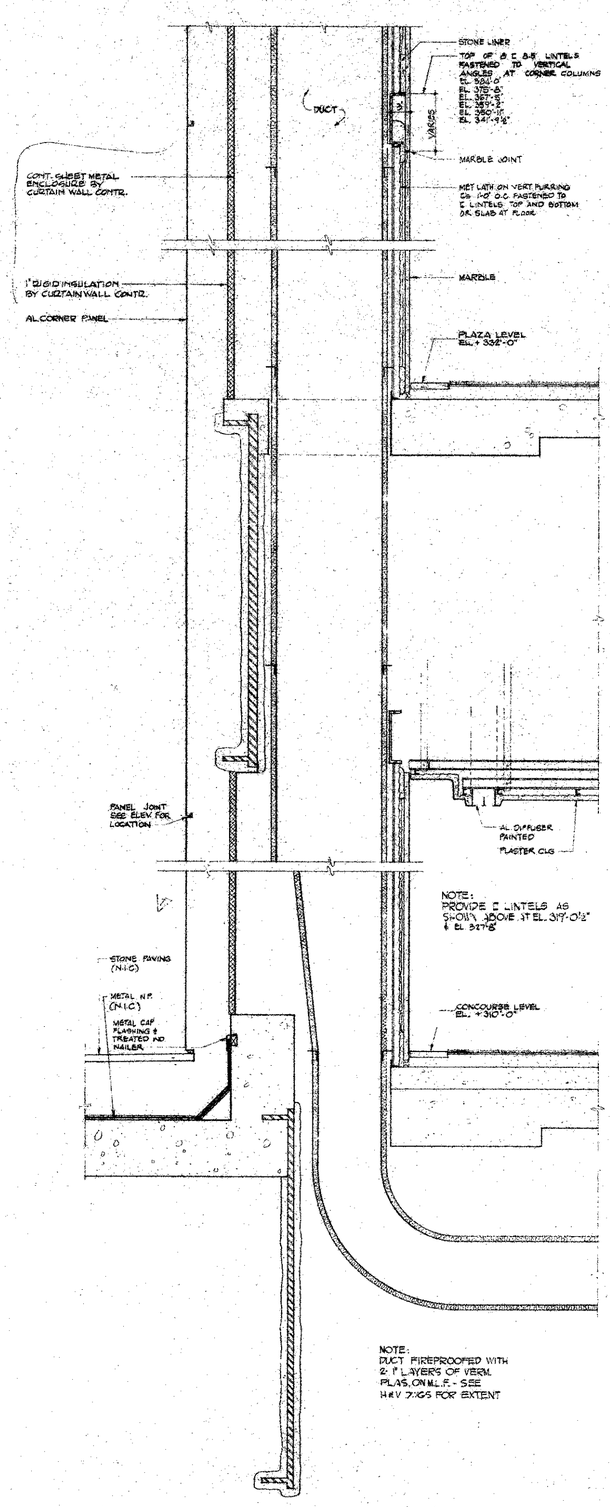
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

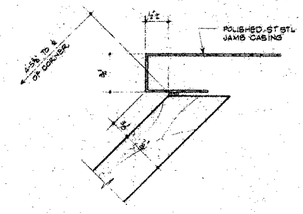
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY CORE WALL PLAN DETAILS

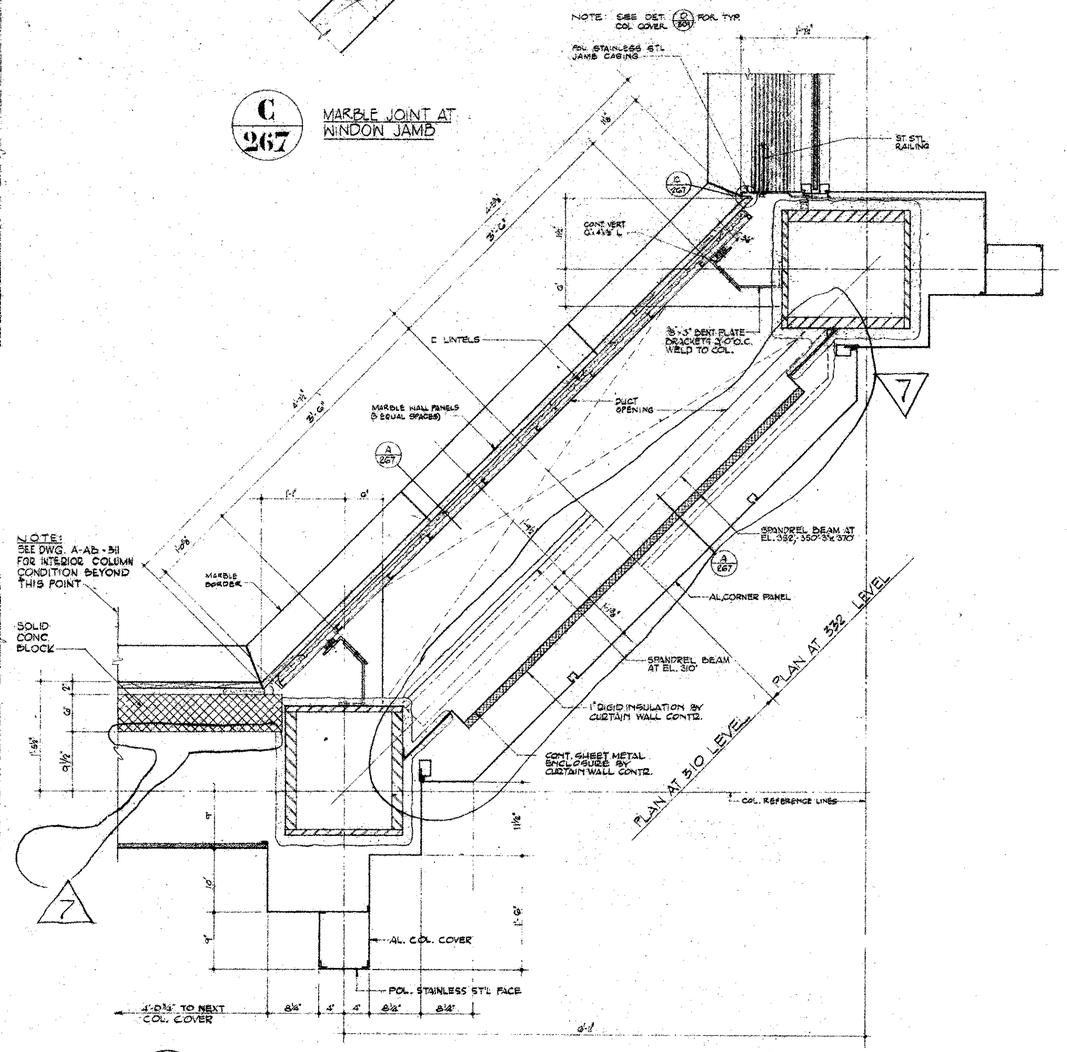
DRAWN	A.B.	CHECKED	
SCALE	1½"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	67
DRAWING NUMBER	A-AB-266		



A/267 SECTION THROUGH CORNER AT BASE



C/267 MARBLE JOINT AT WINDOW JAMB



B/267 PLAN OF CORNER AT BASE

'CONTRACT BID DRAWING dated 12-9-66 Tower 'A' 9-1-66 Tower 'B'

1½" = 1'-0"

NO.	DATE	REVISIONS	BY
1	11-6-70	ADDS.	S.G.
2	5-15-70	A-47	R.H.
3	9-29-69	A-60	R.H.
4	9-29-69	A-125	R.H.
5	9-29-69	A-71	R.H.
6	6-20-68	A-8	S.G.
7	3-21-68	A-1	R.H.W.

NO.	DATE	REVISIONS	BY

REGISTERED ARCHITECT RICHARD ROTH NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

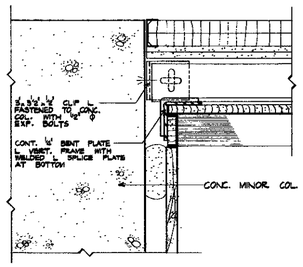
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

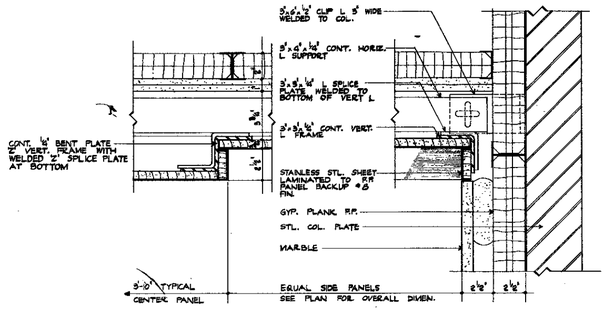
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY EXTERIOR CORNER DETAILS

DRAWN	A.B.	CHECKED	
SCALE	1½"=1'-0" & 3/4"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-267		

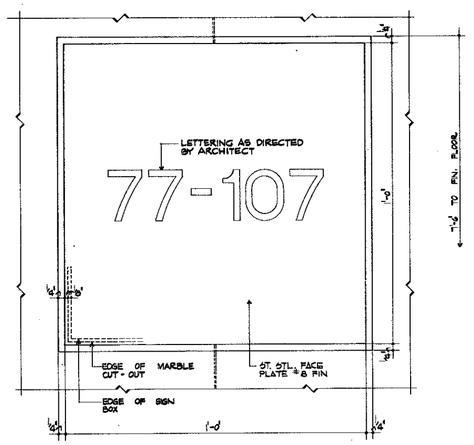


PLAN AT MINOR COLUMN

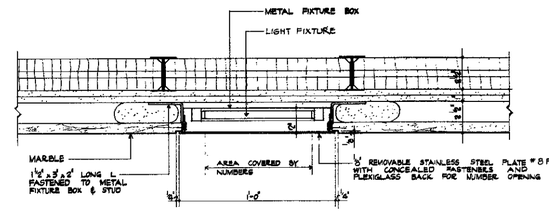


PLAN AT CENTER COLUMN

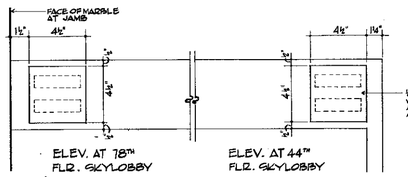
A 268 PLAN DETAILS OF ORNAMENTAL STAINLESS STEEL PANELS
3" = 1'-0"



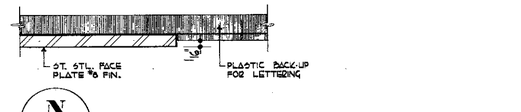
B 268 ELEVATION OF SIGN TYPE 'A'



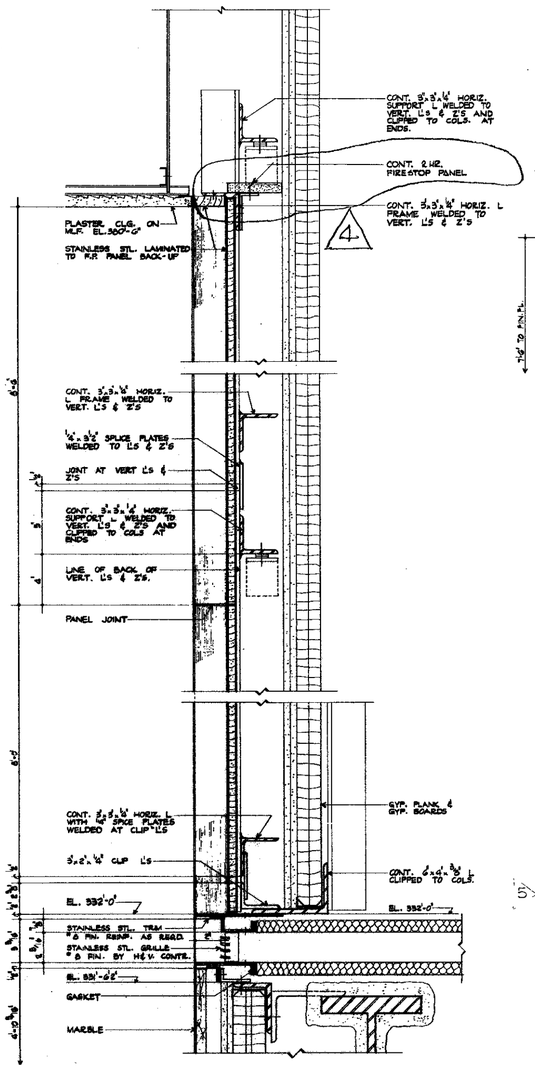
C 268 PLAN DETAIL OF SIGN TYPE 'A'



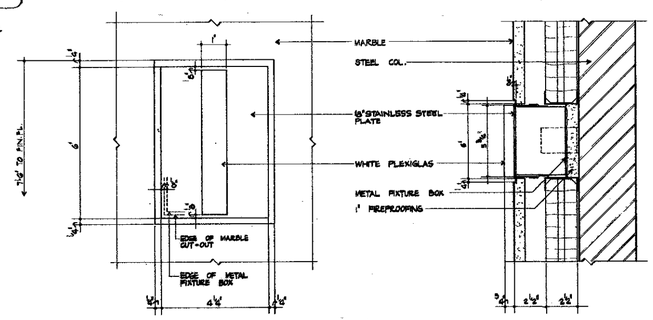
M 268 SPOTTING SIGNS FOR INTERZONE SHUTTLE ELEVATIONS
SCALE: 3"=1'-0"



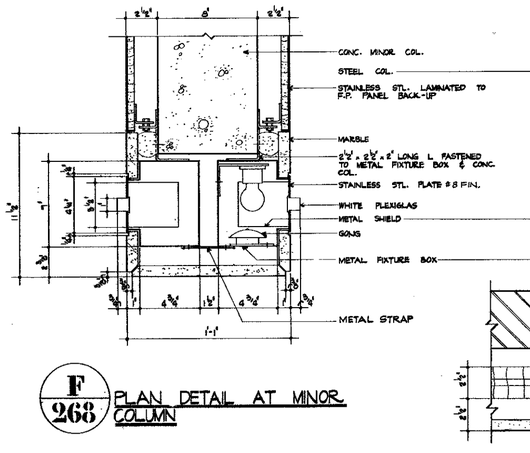
N 268 DETAIL AT EDGE OF LETTER
TWICE FULL SIZE



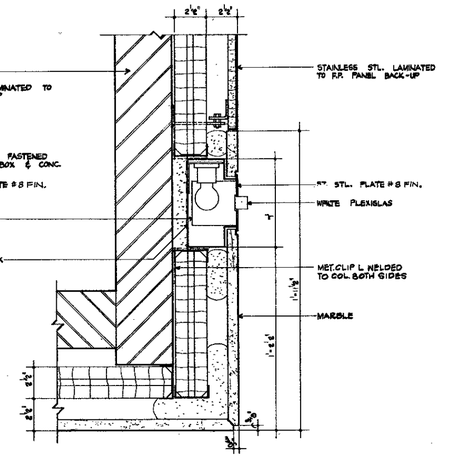
H 268 VERT. DETAILS OF ORNAMENTAL STAINLESS STEEL PANELS
3" = 1'-0"



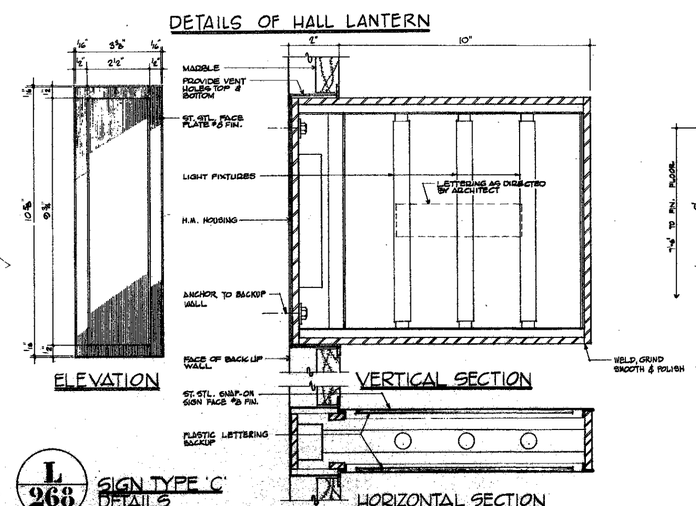
D 268 TYPICAL ELEVATION



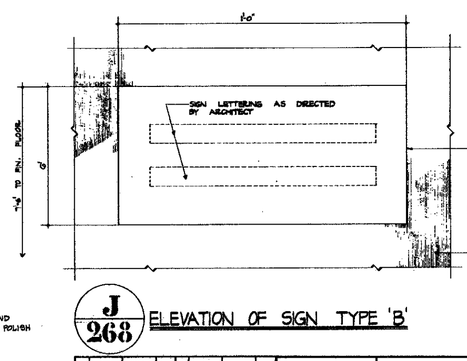
E 268 SECTION AT MAJOR COLUMN



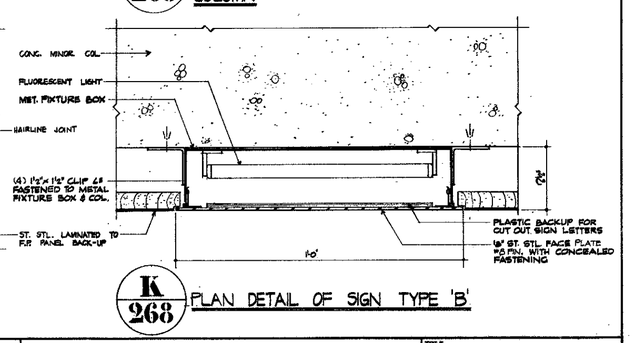
F 268 PLAN DETAIL AT MINOR COLUMN



L 268 SIGN TYPE 'C' DETAILS



J 268 ELEVATION OF SIGN TYPE 'B'



K 268 PLAN DETAIL OF SIGN TYPE 'B'

G 268 PLAN DETAIL AT MAJOR COLUMN

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
9	8-8-72	A-395	A.C.
8	5-22-71	A-316	LITR
7	2-25-71	A-162	R.A.
6	11-6-70	A-96	Q.A.
5	5-16-70	A-47	H.B.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

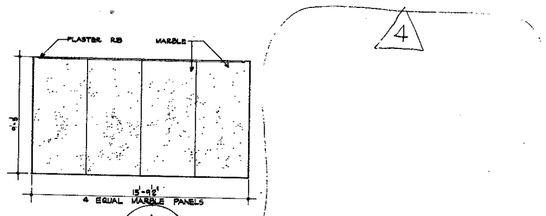
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

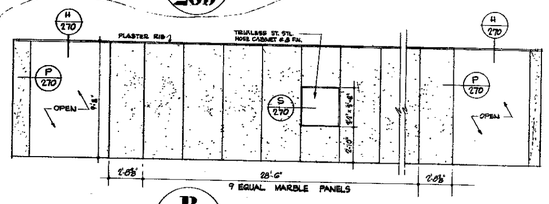
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
MAIN LOBBY
SIGN DETAILS AND DECORATIVE PANEL DETAILS

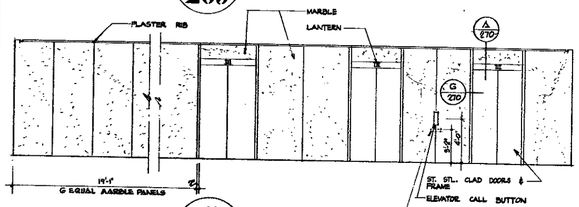
DRAWN	M.B.	CHECKED	
SCALE	3" = 1'-0" & HALF FULL SIZE	DATE	9-29-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-268		



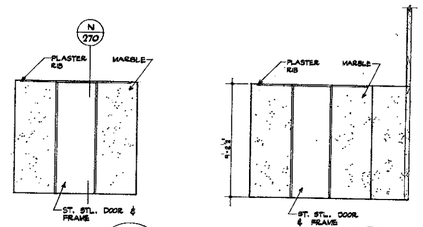
ELEVATION **A** 269



ELEVATION **B** 269

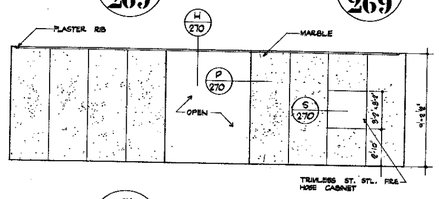


ELEVATION **C** 269

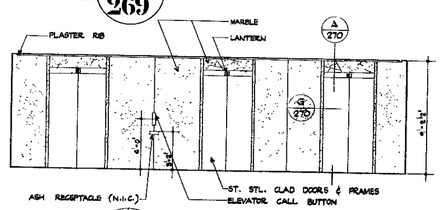


ELEVATION **E** 269

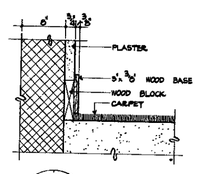
ELEVATION **F** 269



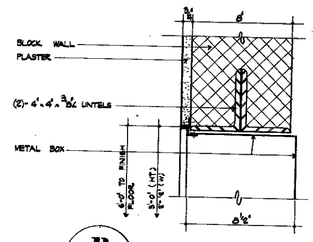
ELEVATION **G** 269



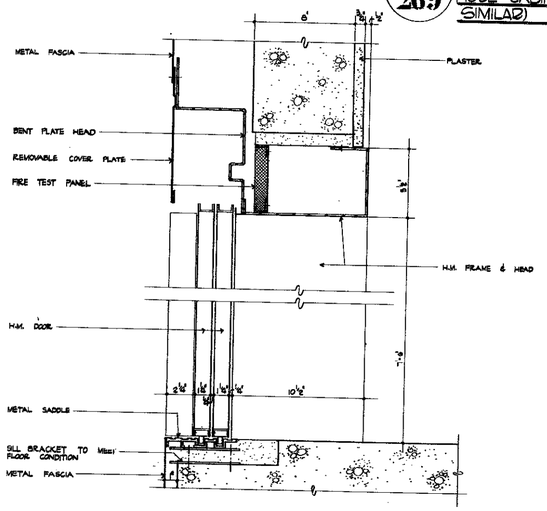
ELEVATION **H** 269



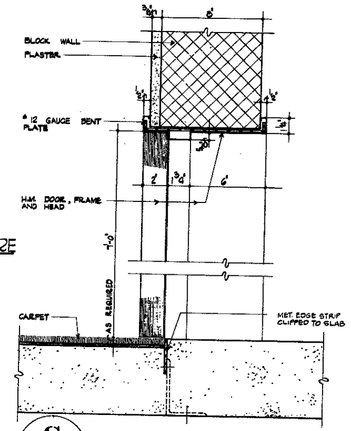
Q 269 WOOD BASE DETAIL



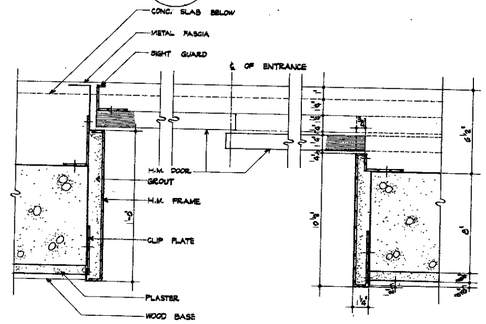
R 269 SECTION THROUGH HEAD OF FIRE HOSE CABINET (JAMB & SILL SIMILAR)



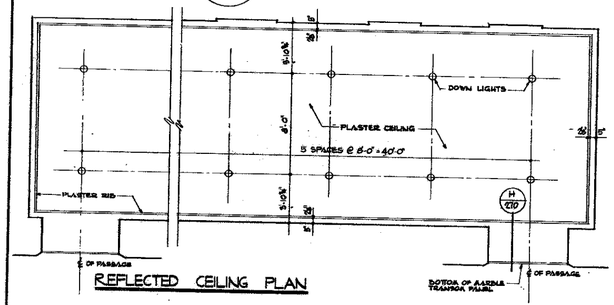
N 269 ELEVATOR DOOR HEAD AND SILL DETAIL



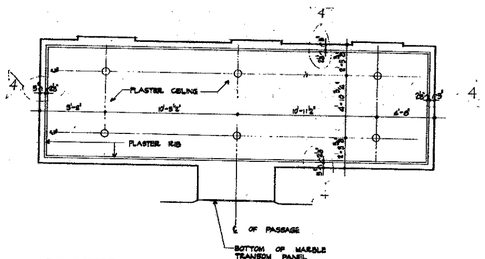
S 269 DOOR HEAD & SILL SECTION



P 269 ELEVATOR DOOR JAMB DETAIL



REFLECTED CEILING PLAN



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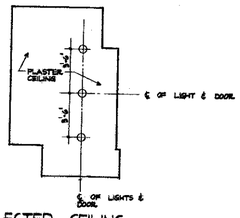
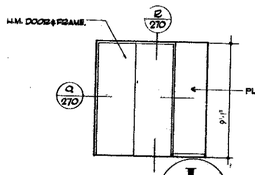
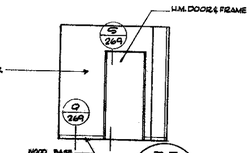


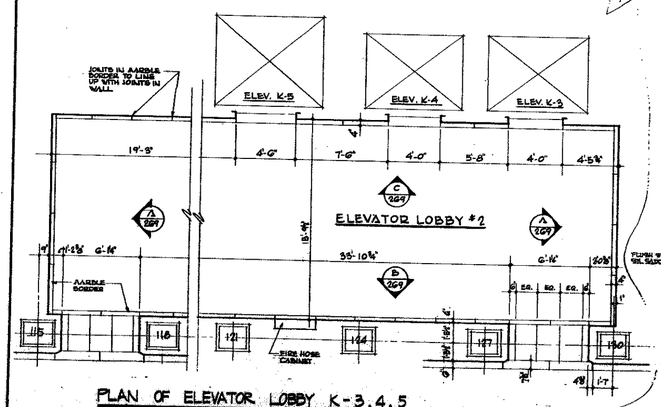
REFLECTED CEILING PLAN



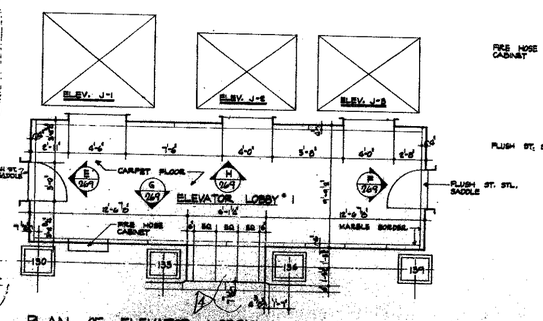
ELEVATION **L** 269



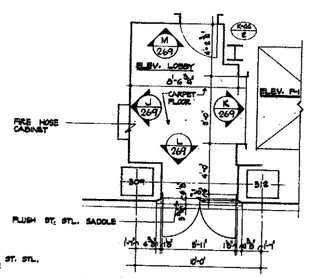
ELEVATION **M** 269



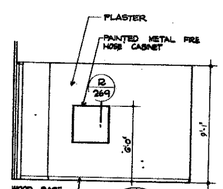
PLAN OF ELEVATOR LOBBY K-3,4,5



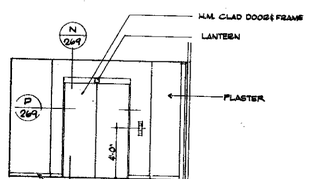
PLAN OF ELEVATOR LOBBY J-1,2,3



PLAN OF ELEVATOR LOBBY P-1



ELEVATION **J** 269



ELEVATION **K** 269

NO.	DATE	SUB. NO.	BY
3	5-10-70	SS-505	C.G.
2	11-6-70	P-35	R.T.A.
1	5-6-70	A-47	E.C.
	5-6-70	A-48	H.B.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

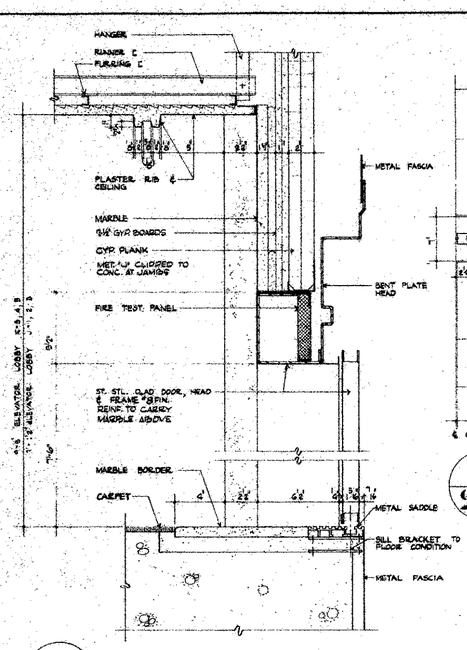
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

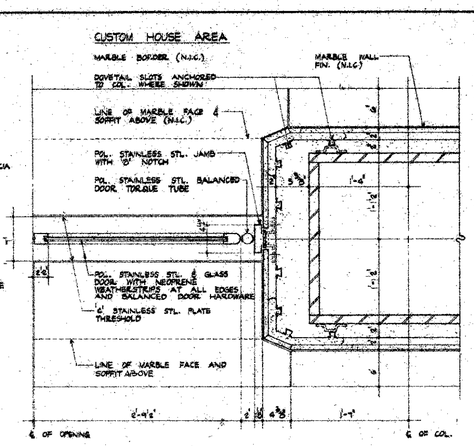
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR LOBBIES K-3,4,5 J-1,2,3 & P-1

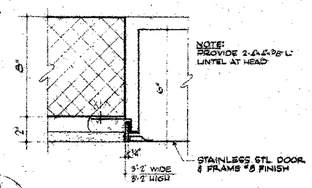
DRAWN	M.B.	CHECKED	
SCALE	1/2" = 1'-0"	DATE	4-29-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-269		



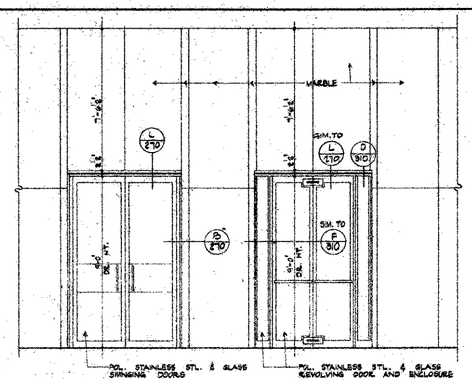
A 270 ELEVATOR DOOR HEAD AND SILL DETAIL OF ELEVATOR K-3,4,5 AND J-1,2,3
SCALE: 3"=1'-0"



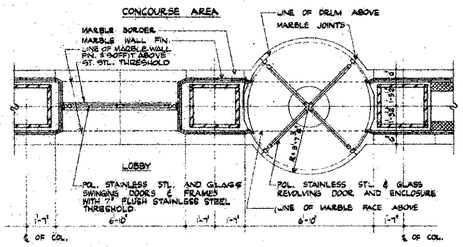
B 270 JAMB AT SWINGING DOORS BETWEEN CUSTOM HOUSE AND MAIN LOBBY
SCALE: 1½" = 1'-0"



S 270 FIRE HOSE CABINET DETAIL
SCALE 3"=1'-0"

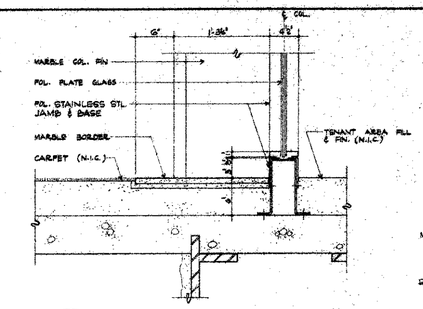


ELEVATION

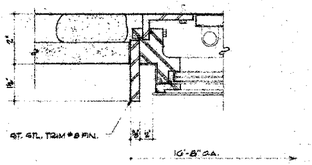


PLAN

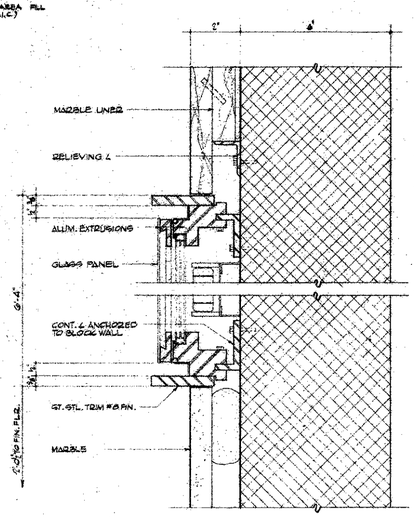
C 270 PLAN AND ELEVATION OF DOORS BETWEEN LOBBY AND CUSTOM HOUSE
SCALE: 3/8"=1'-0"



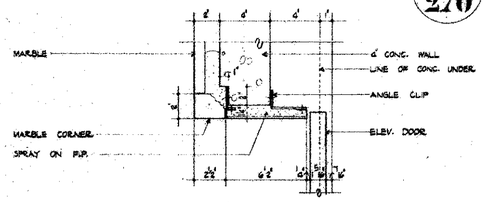
D 270 BASE AT FIXED INTERIOR GLASS - CONCOURSE LEVEL
SCALE: 1½"=1'-0"



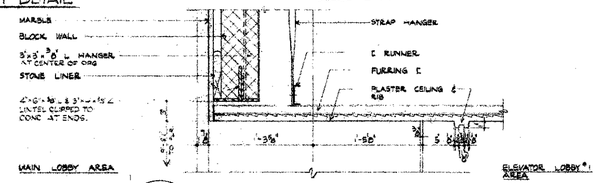
E 270 JAMB DETAIL OF BUILDING DIRECTORY
SCALE: N.P.S.



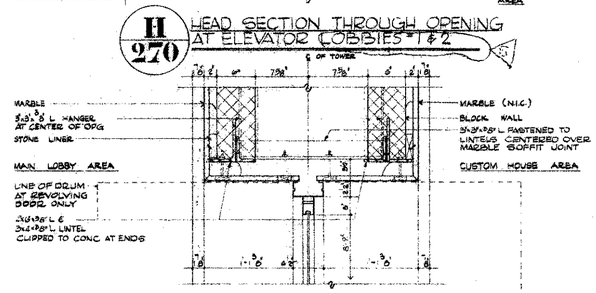
F 270 SECTION OF DIRECTORY
SCALE: N.P.S.



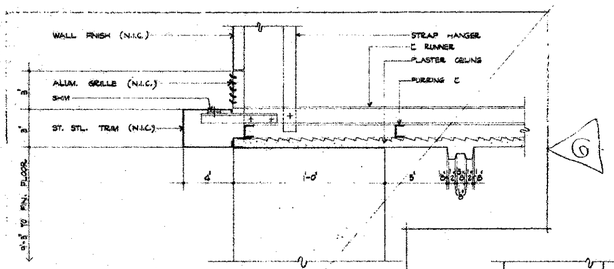
G 270 ELEVATOR DOOR JAMB DETAIL
SCALE 3"=1'-0"



H 270 HEAD SECTION THROUGH OPENING AT ELEVATOR LOBBIES #1 & 2

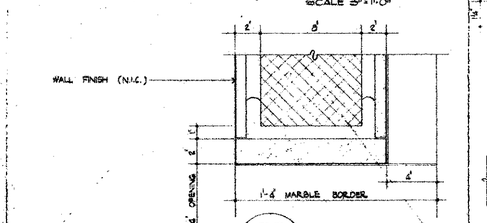


L 270 DOOR HEAD SECTION

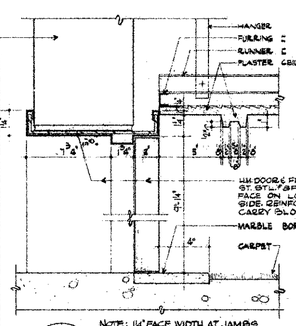


VOID

K 270 HEAD SECTION AT ELEV. LOBBY #2
SCALE 3"=1'-0"

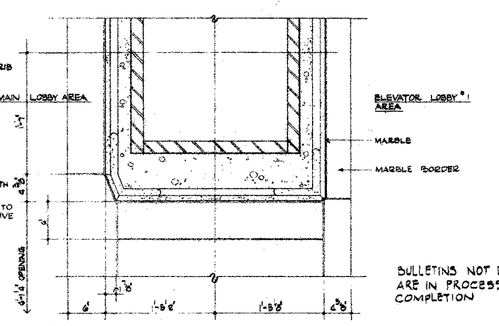


M 270 PLAN OF JAMB AT ELEVATOR LOBBY #2
SCALE: 3"=1'-0"



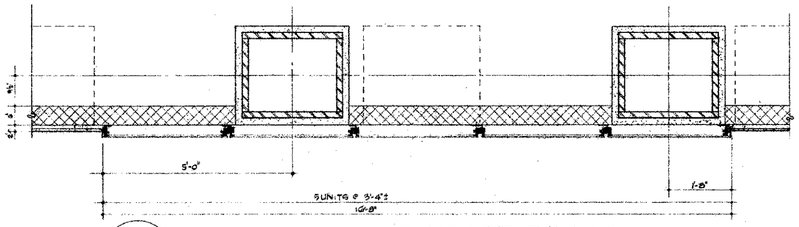
NOTE: 1¼" FACE WIDTH AT JAMBS

N 270 DOOR DETAIL OF ELEVATOR LOBBY
SCALE: 3"=1'-0"



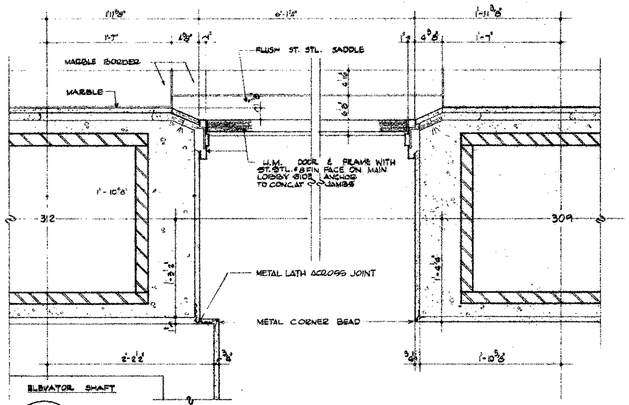
P 270 JAMB AT OPENING TO MAIN LOBBIES OF TOWERS FROM ELEV LOBBIES #1 & 2
SCALE: 1½"=1'-0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

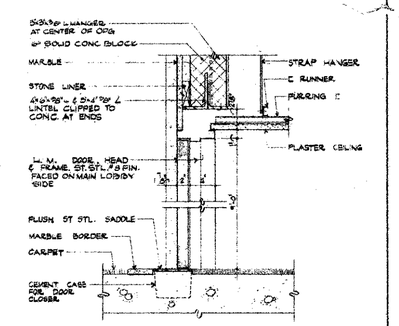


J 270 PLAN OF DIRECTORY
SCALE: 3/4"=1'-0"

NOTE: SOUTH DIRECTORY TOWER AS SHOWN
NORTH DIRECTORY TOWER OPPOSITE HAND
COLUMN LOCATIONS AT EAST AND WEST DIRECTORIES, TOWERS 8" SHOWN DOTTED



Q 270 JAMB DETAILS AT ELEVATOR P-1 LOBBY
SCALE 1½"=1'-0"



R 270 HEAD AND SILL SECTION
SCALE: 1½"=1'-0"

NO.	DATE	REVISIONS	BUL. NO.	BY
A	5-19-75		SC 305	C.G.
A	7-10-74		A-350	MW
A	6-7-72		A-229	E.A.
A	7-25-72		A-238	A.K.
A	11-6-70		A-166	E.A.
A	5-16-70		A-47	E.B.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

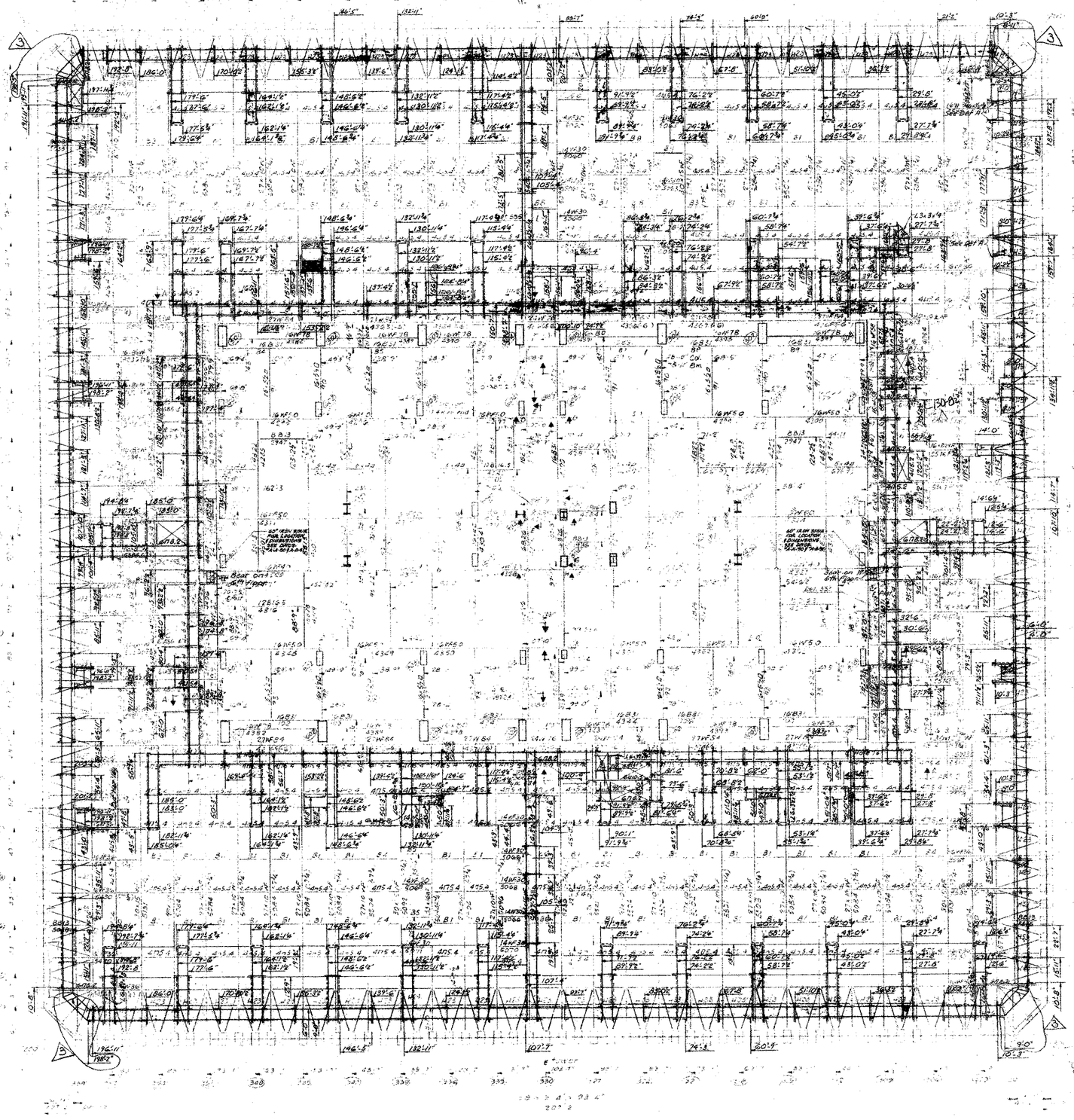
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

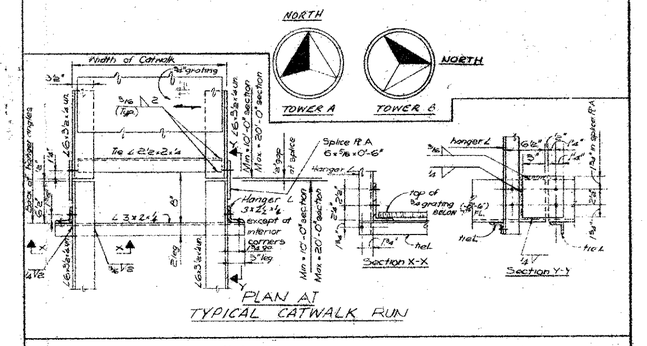
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES; FOUNDATIONS

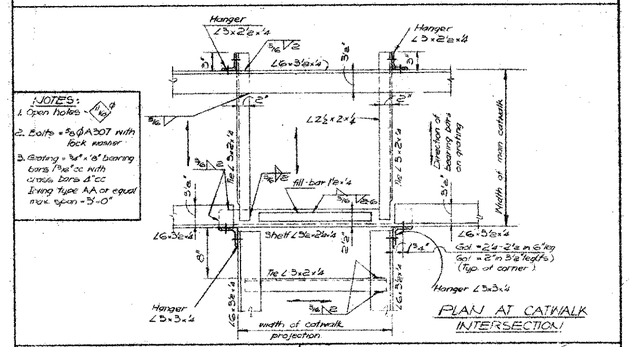
TITLE: MISCELLANEOUS LOBBY DETAILS

DRAWN	N.G.	CHECKED	
SCALE	AS NOTED	DATE	1-27-69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·AB·270		



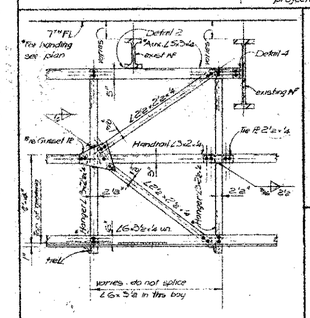


PLAN AT
TYPICAL CATWALK RUN

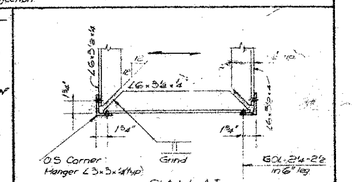


NOTES:
1. Open holes
2. Bolts = ⅝ϕ A307 with lock washer
3. Grating = ⅞" x 1⅛" bearing bars 1⅞" cc with cross bars 4" cc Irving Type AA or equal max. span = 3'-0"

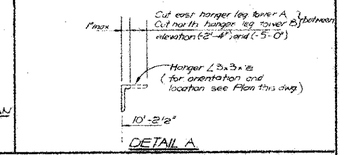
PLAN AT CATWALK
INTERSECTION



TYPICAL CATWALK BRACING
SHOWN THUS: ——— ON MAIN PLAN



PLAN AT
ENDS OF CATWALK



DETAIL A

NOTES
1. See A-AB-272 for plan of Catwalk Hanger Supports at 7th Floor.
2. Dashed line indicates plane of vertical bracing.
3. PORTION OF CATWALK SHOWN SHADED DENOTES AREA THAT IS TO BE PROVIDED WITH SUBWAY TYPE GRATING.

CONTRACT BID DRAWING date

NO.	DATE	SUB. NO.	BY
3	10-10-78	3-44	S.D.
2	5-8-70	2-44	L.J.
1	4-17-70	1-60	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

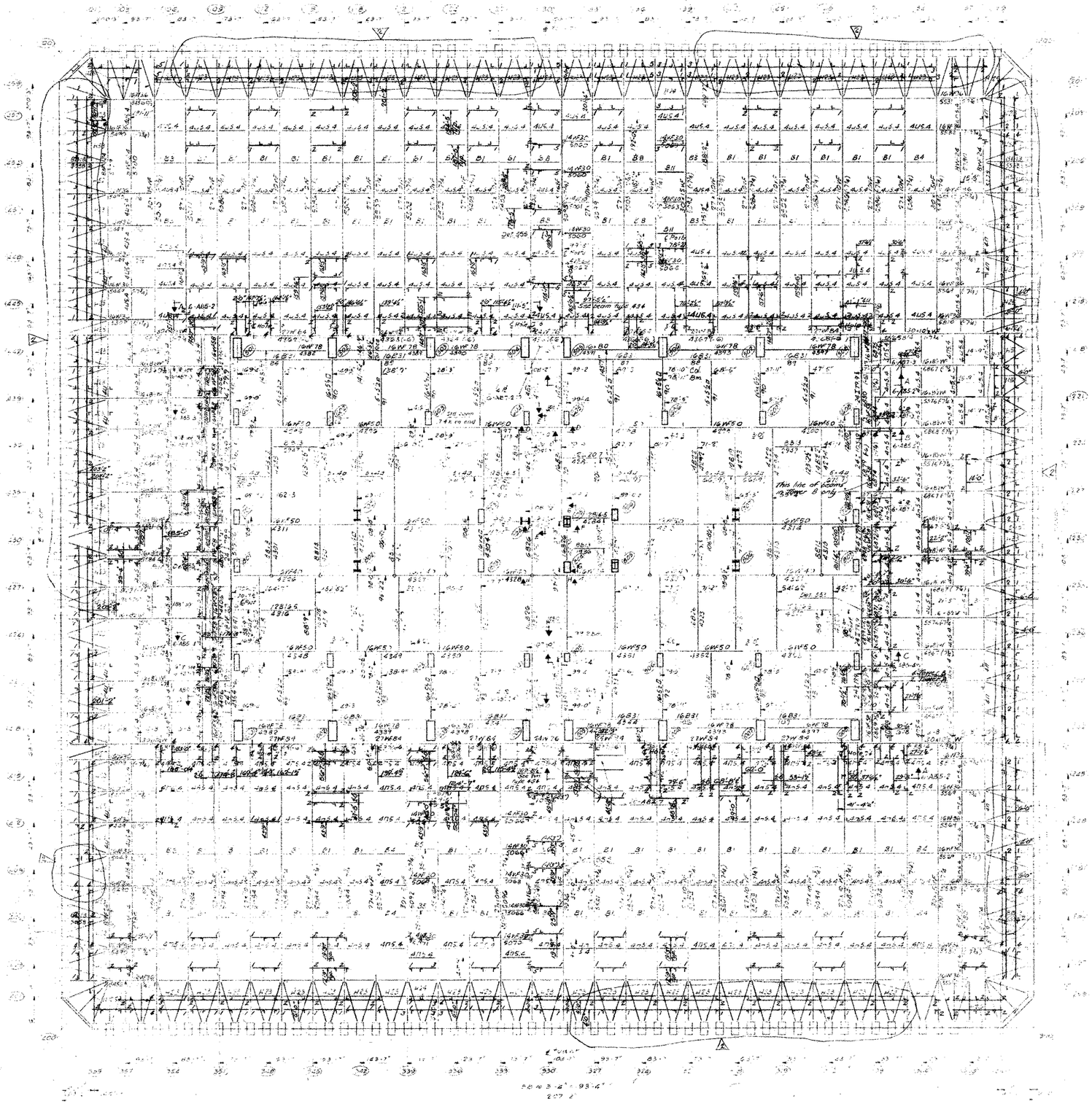
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
CATWALK FRAMING
BELOW 7TH FLOOR

DRAWN		CHECKED	
SCALE	8"/0"	DATE	3-30-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-271		

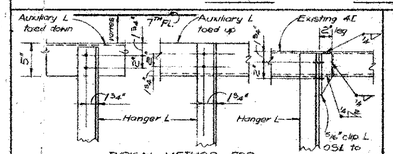


NORTH

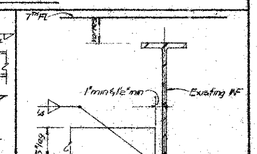
TOWER A

NORTH

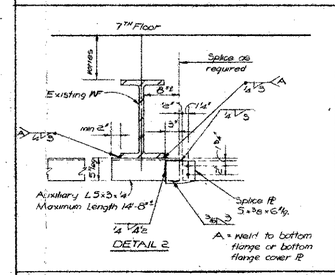
TOWER B



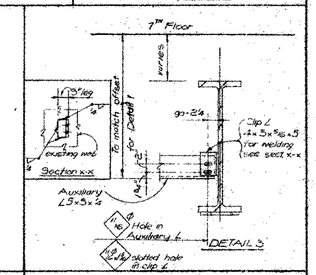
TYPICAL METHOD FOR ATTACHING UP END OF CATWALK HANGERS



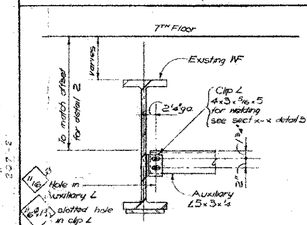
DETAIL 1



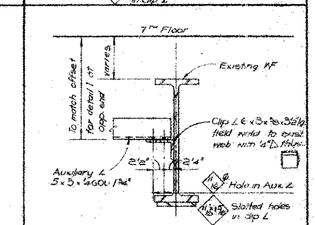
DETAIL 2



DETAIL 3



DETAIL 4



DETAIL 5

Connection Notes:
1. All open holes are (13/16)ϕ except where noted
2. Bolts - 3/4"ϕ A307 with lockwasher

Notes:
1. See A-AB-271 for framing plan of catwalk & hanger locations.
2. Catwalk hanger support and attachment detail numbers for both Towers A and B are shown thus: 1/4
   A condition for Tower A only is shown thus: 1/4
   Typical attachment has no detail number.

6 WF 58

CONTRACT: 2ND DRAWING note

NO.	DATE	BUL. NO.	BY
REVISIONS			
3	3-30-70	2-71 A-26	L.J.
2	2-17-70	2-68	L.J.
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

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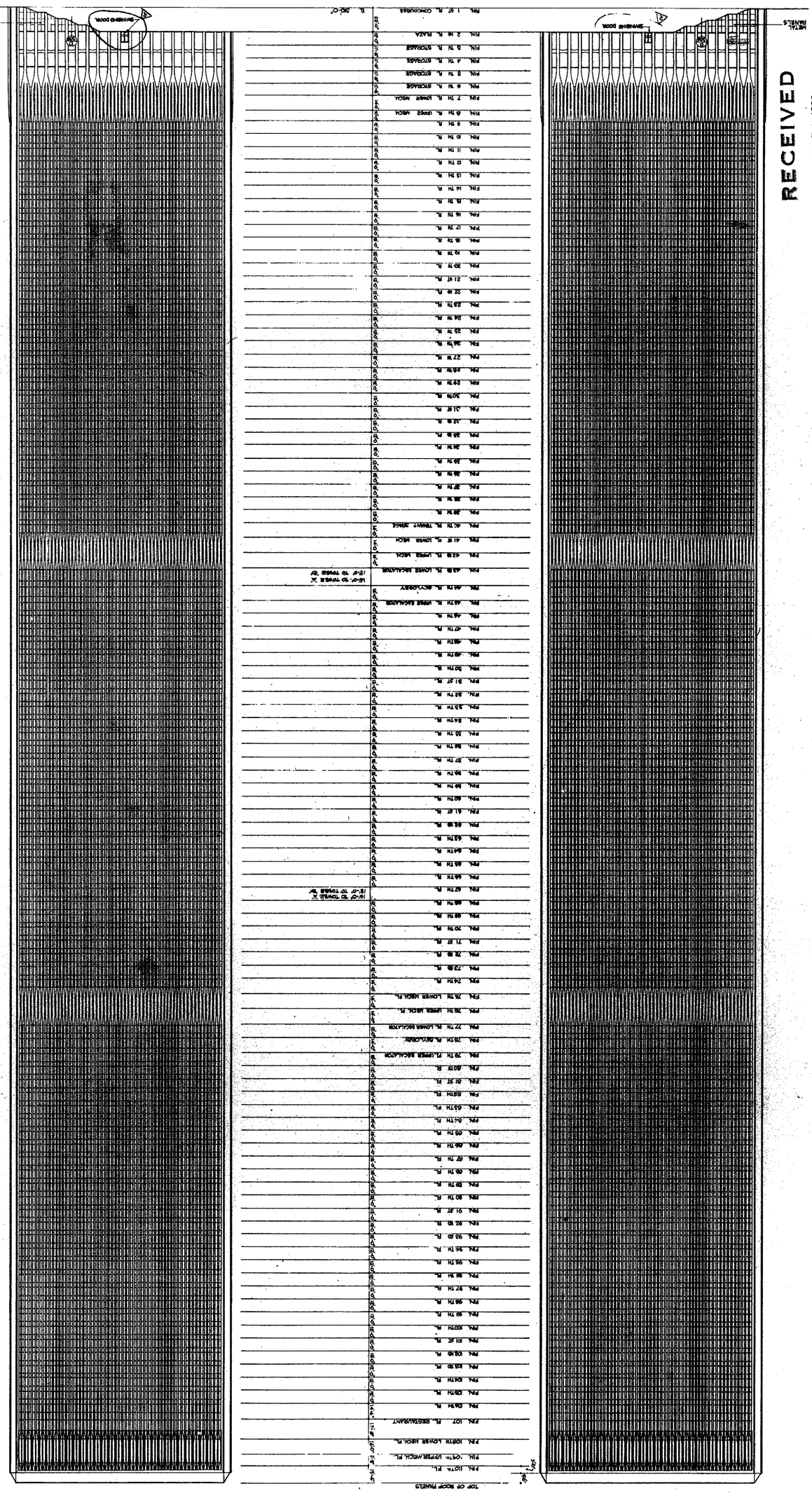
WORLD TRADE CENTER

MINORU YAMASAKI ASSOCIATES — EMERY ROTH & SONS, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — RICHARD ROTH, ARCHITECT
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: CATWALK FRAMING HANGER SUPPORT

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	3-30-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-272		



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JUL 31 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 10017

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EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ELECTRICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: NORTH & SOUTH ELEVATIONS

DRAWN: M.A. CHECKED: — DATE: 7-24-67
SCALE: 1/16" = 1'-0" — JOB NO. —

DRAWING NO. A-AB-701

CONTRACT NO. — DRAWING Arch. 1/16" Towers 'A' & 'B' Typ. Floor Plans

REVISIONS — NO. — DATE — BY

A-AB 302

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ASSOCIATES
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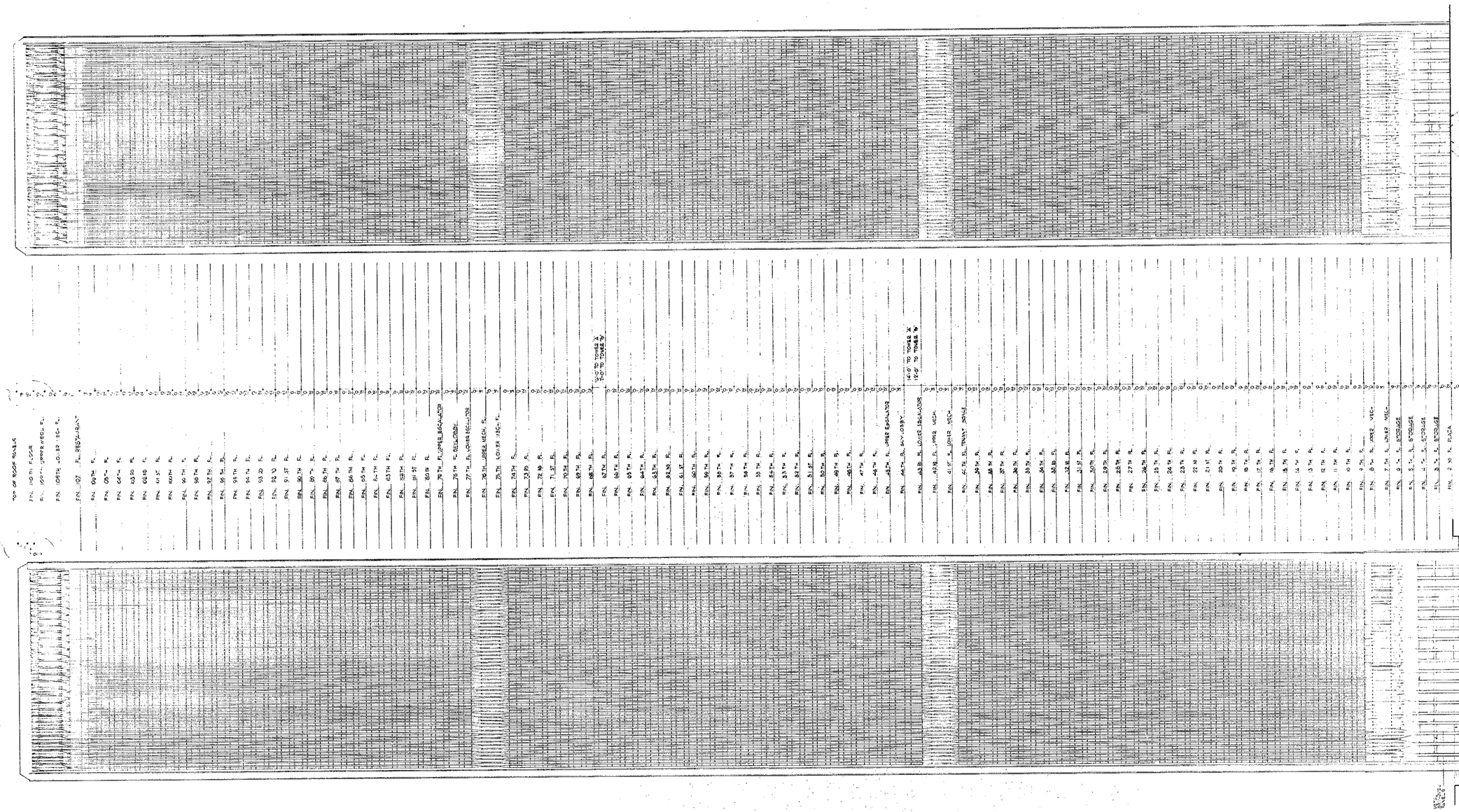

CONTRACT BID DRAWING date 9-9-68 Tower 'A' 9-1-68 Tower 'B'

NO.	DATE	SUB. NO.	BY
	REVISIONS		
A	7-10-74	4899	J.P.
1	7-25-74	4899	A.K.

NO.	DATE	SUB. NO.	BY
	REVISIONS		

APPROVED

CHIEF, PLANNING DIVISION

DATE

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RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

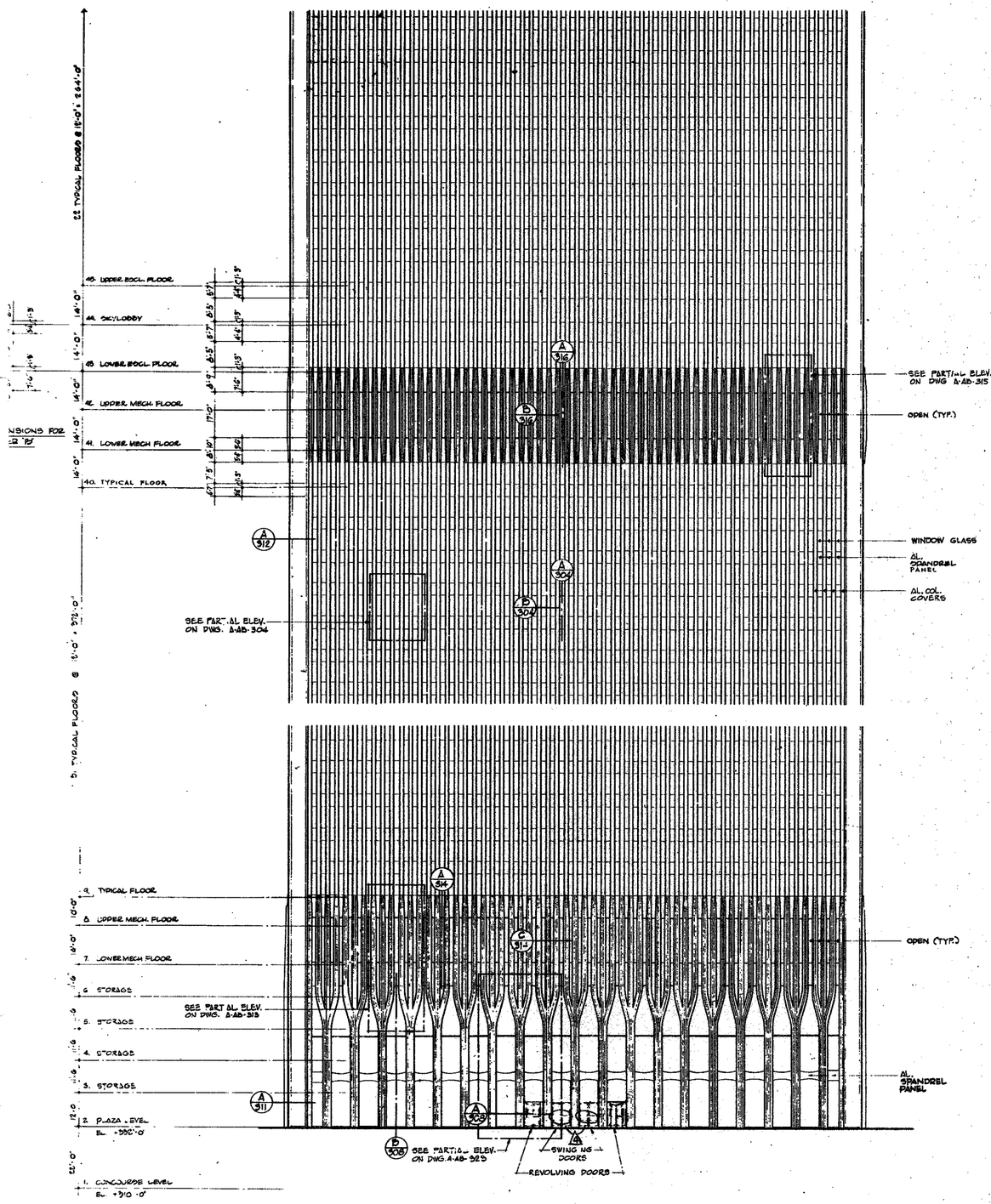
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

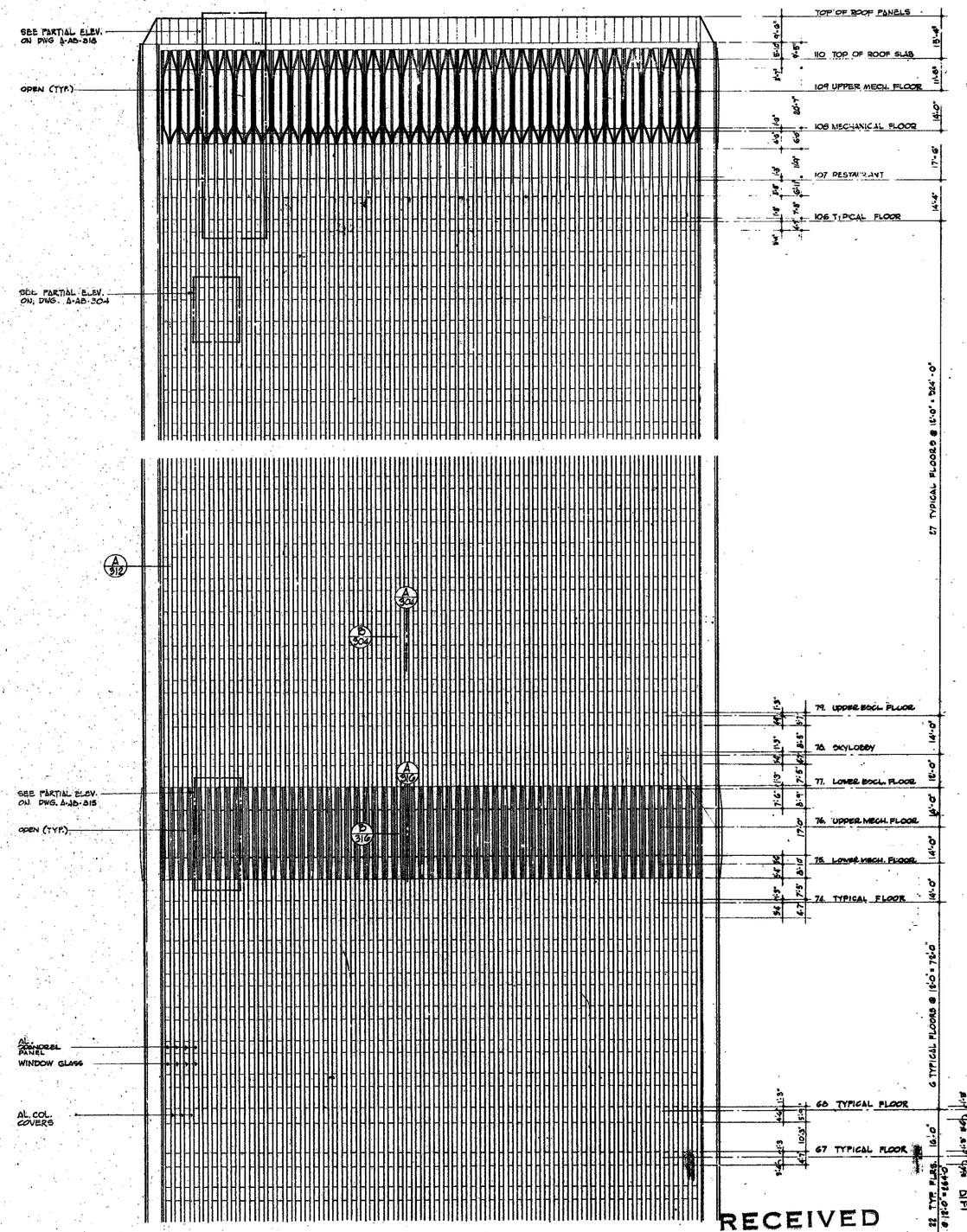
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: EAST & WEST ELEVATIONS

DRAWN: [illegible] CHECKED:
SCALE: 1/32" = 1'-0" DATE: 7-9-68
PROJECT NUMBER: SHEET: OF
DRAWING NUMBER: A-AB-302



PLAZA ELEVATION TO FLOOR NUMBER 50



FLOOR NUMBER 64 TO TOP OF PARADET

TYPICAL TOWER ELEVATION

NOTE:
ABOVE ELEVATION APPLIES TO TOWER "A" ONLY.
AT TOWER "B", 43RD & 67TH FLOOR HEIGHT SHALL BE 12'-0" AND WINDOW & SPANDREL ABOVE SHALL BE TYPICAL HEIGHT AS INDICATED.

RECEIVED
JUL 31 1990

LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH ST., N.Y.C. 19017

CONTRACT BID DRAWING date 2-9-68 Tower "A" 5-1-68 Tower "B"

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY
A	7-15-71	ADD	A.K.				
A	7-11-70	ADD	G.B.				
A	5-16-70	A-47	T.J.				
A	3-21-68		M.W.				

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"CHIEF, PLANNING DIVISION"
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RICHARD ROTH, ARCHITECT

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MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

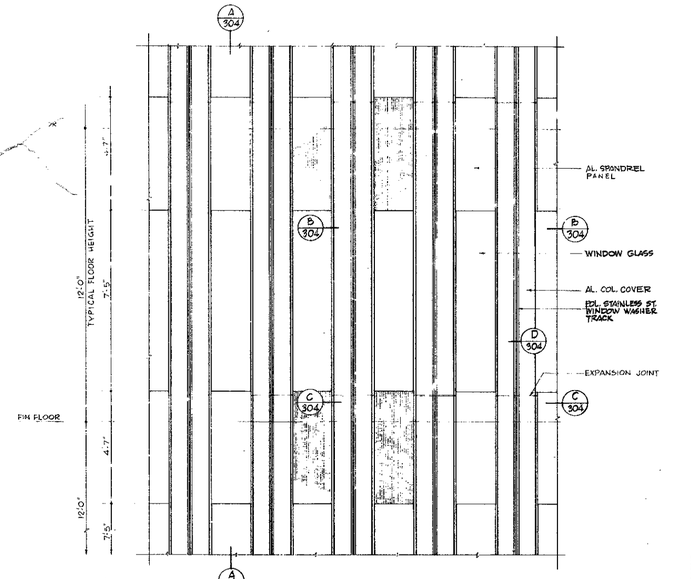
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TYPICAL FACADE ELEVATION

DESIGN		CHECKED	
SCALE	3/8"=1'-0"	DATE	7-31-67
DRAWN		SHEET	OF
TRACED			
REVISED			

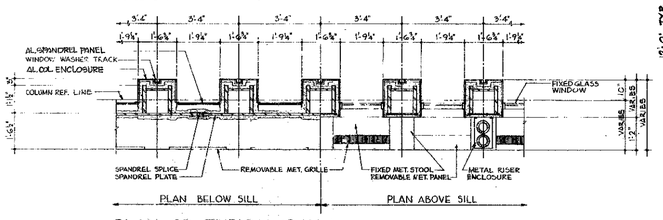
A-AB-303

AAB-304



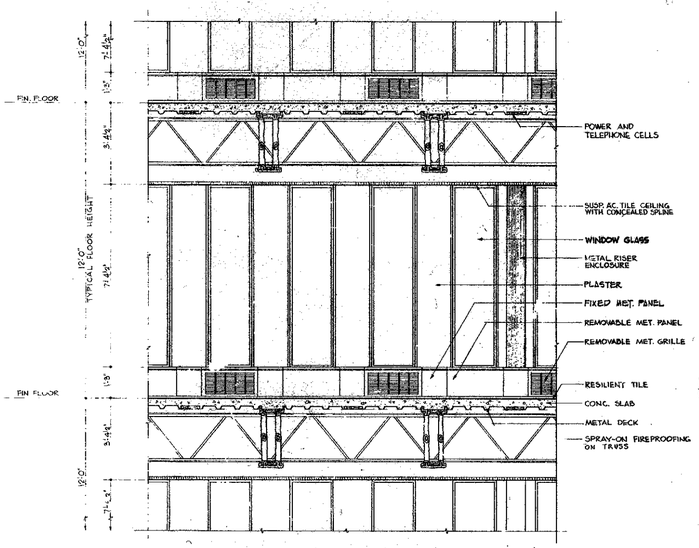
EXTERIOR ELEVATION OF TYPICAL BAY

SCALE: 3/8"=1'-0"



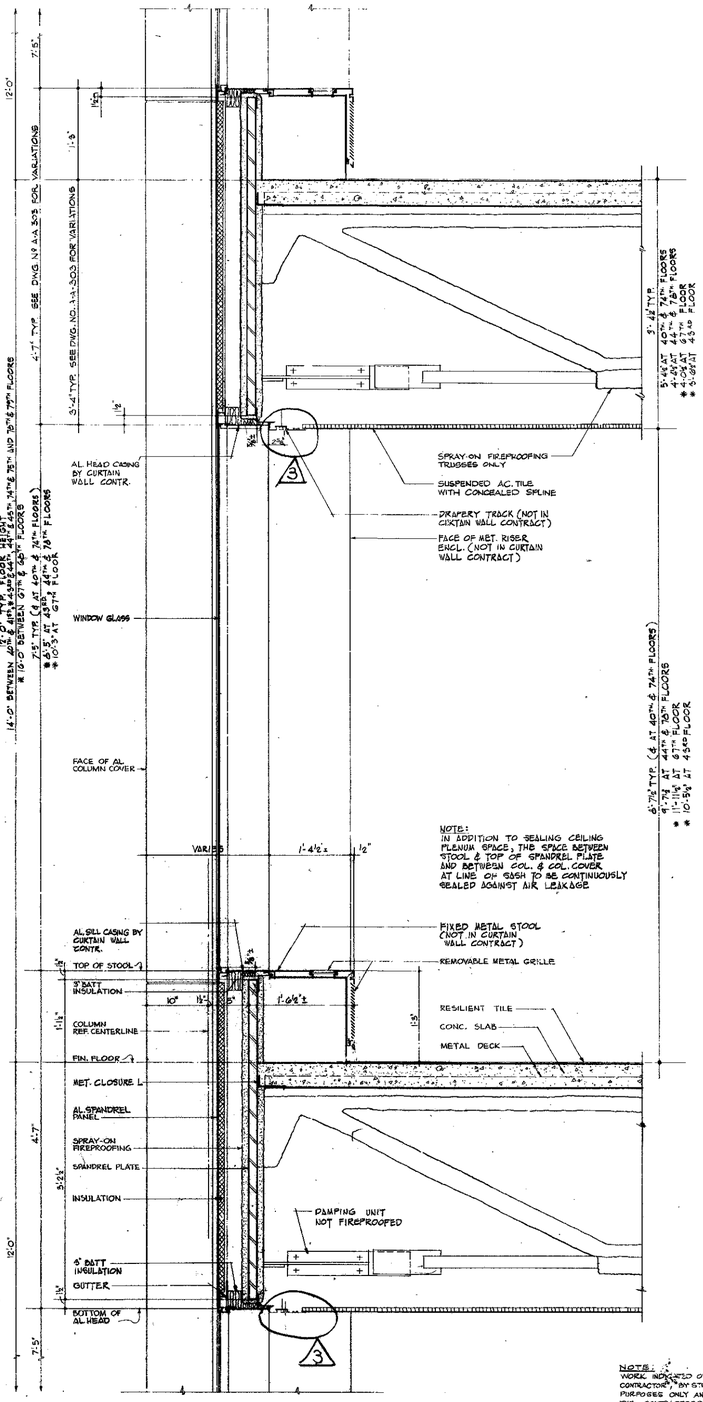
PLAN OF TYPICAL BAY

SCALE: 3/8"=1'-0"



INTERIOR ELEVATION OF TYPICAL BAY

SCALE: 3/8"=1'-0"



A 304 WALL SECTION THRU SPANDREL

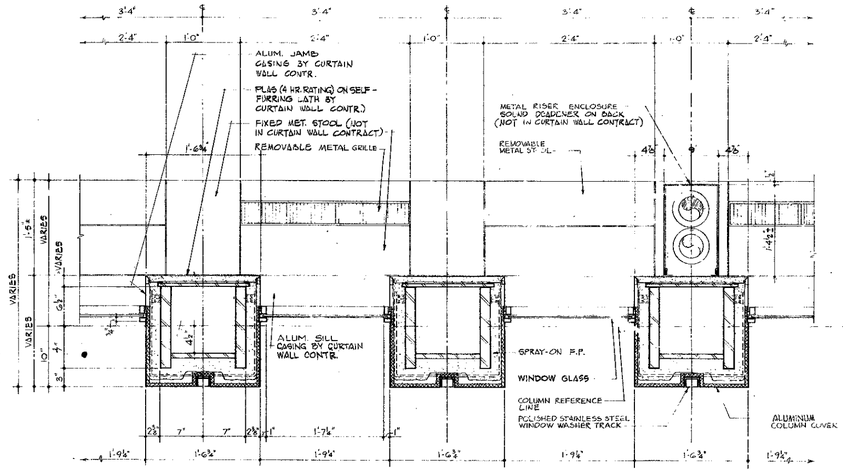
SCALE: 1½"=1'-0"

NOTES

1. FOR HEAD CONDITIONS AT 43RD & 67TH FLS. SEE DETAIL 'E' THIS SHEET - TOWER "A"

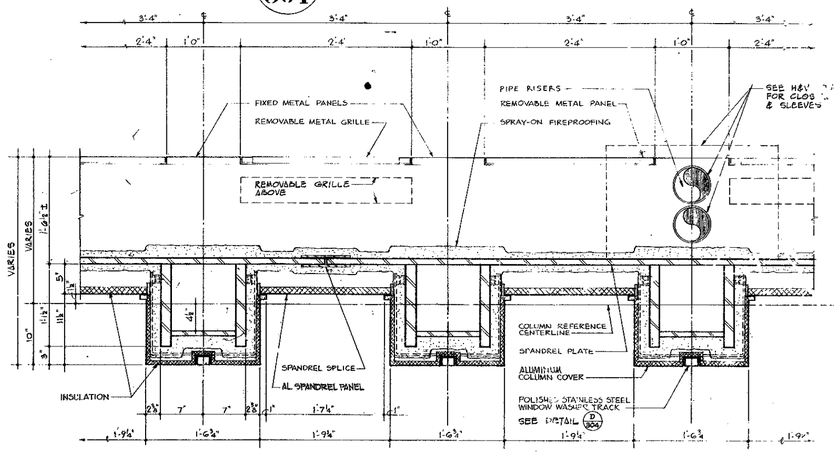
* 2. 43rd & 67TH FLOOR HEIGHT OF TOWER "B" SHALL BE 12'-0" TH TYPICAL HEIGHT WINDOWS, SPANDRELS & CEILINGS.

3. "E" TH SIZE DETAILS ON DWG. A-AB-203



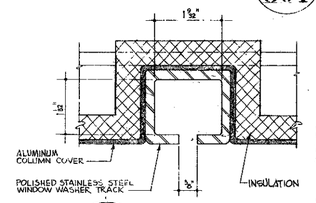
B 304 COLUMN SECTION ABOVE SILL

SCALE: 1½"=1'-0"



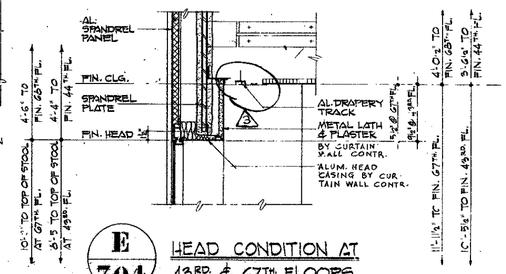
C 304 COLUMN SECTION BELOW SILL

SCALE: 1½"=1'-0"



D 304 WINDOW WASHER TRACK PROFILE

FULL SIZE



E 304 HEAD CONDITION AT 43RD & 67TH FLOORS

SCALE: 1½"=1'-0"

NOTE: ABOVE DETAIL TO APPLY TO TOWER "A" ONLY

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR", "NOT BY CURTAIN WALL CONTRACTOR", "BY STRUCT. CONTRACTOR", OR OTHER SIMILAR NOTES, ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTOR'S WORK.

CONTRACT BID DRAWING date 2-2-68 Tower 'A' 2-1-68 Tower 'B'

No.	DATE	BLG NO.	BY	No.	DATE	BLG NO.	BY
A	11-6-70						
1	7-1-68						
2	3-21-68						

REVISIONS REVISIONS

CHIEF, PLANNING DIVISION

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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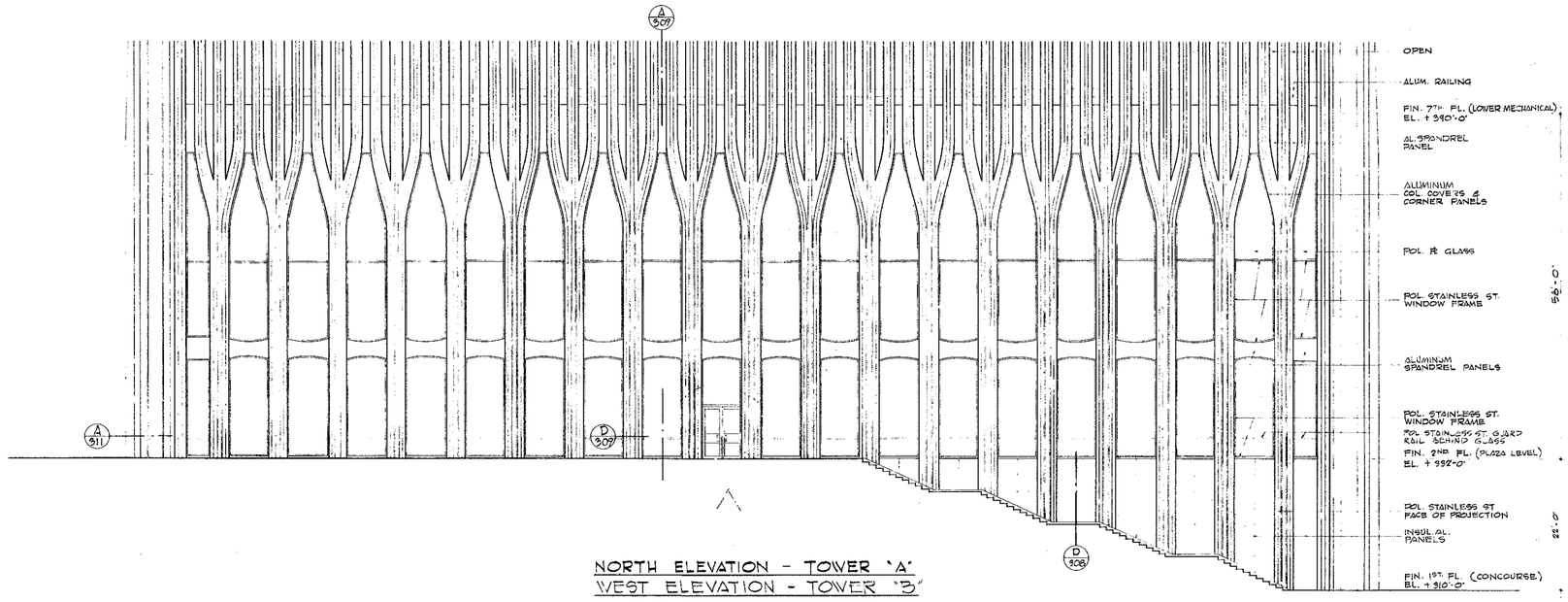
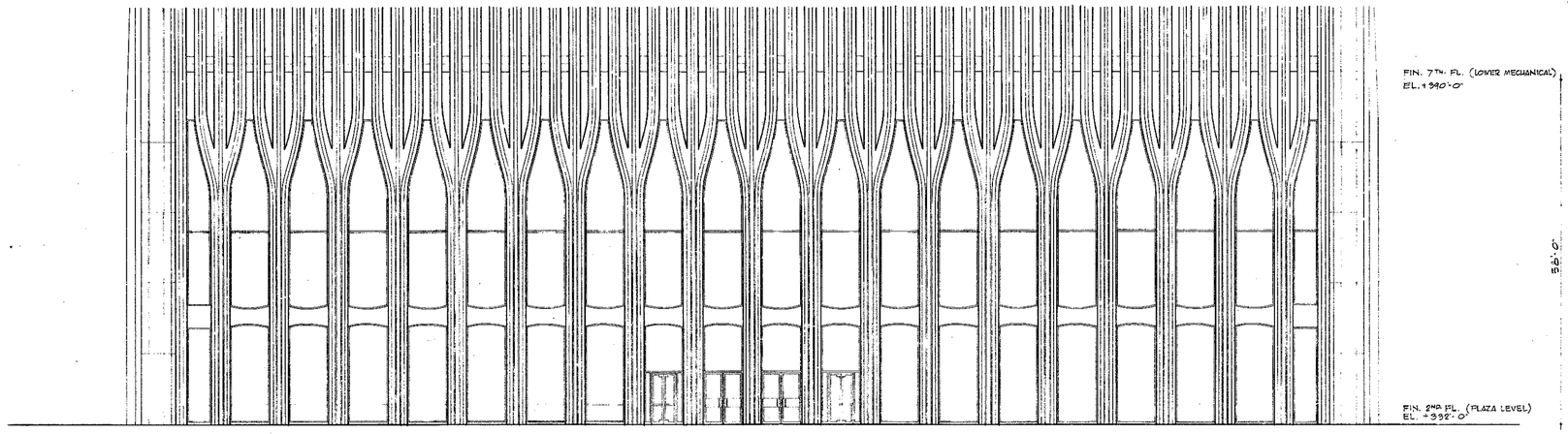
WORTHINGTON, SKILLING, HELLER & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: FACADE ELEVATIONS, SECTIONS & DETAILS AT TYPICAL "TOWER"

DRAWN	R.W.d.
CHECKED	
SCALE	AS NOTED
PROJECT NUMBER	
SHEET	
DRAWING NUMBER	A AB-304



NORTH ELEVATION - TOWER 'A'
WEST ELEVATION - TOWER 'B'



EAST ELEVATION - TOWER 'A'
NORTH ELEVATION - TOWER 'B'

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 2-2-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	REVISIONS	BY
1	7-26-67	4-SET 5-BID	N.N. A.K.

APPROVED

CHIEF, PLANNING DIVISION

DATE

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

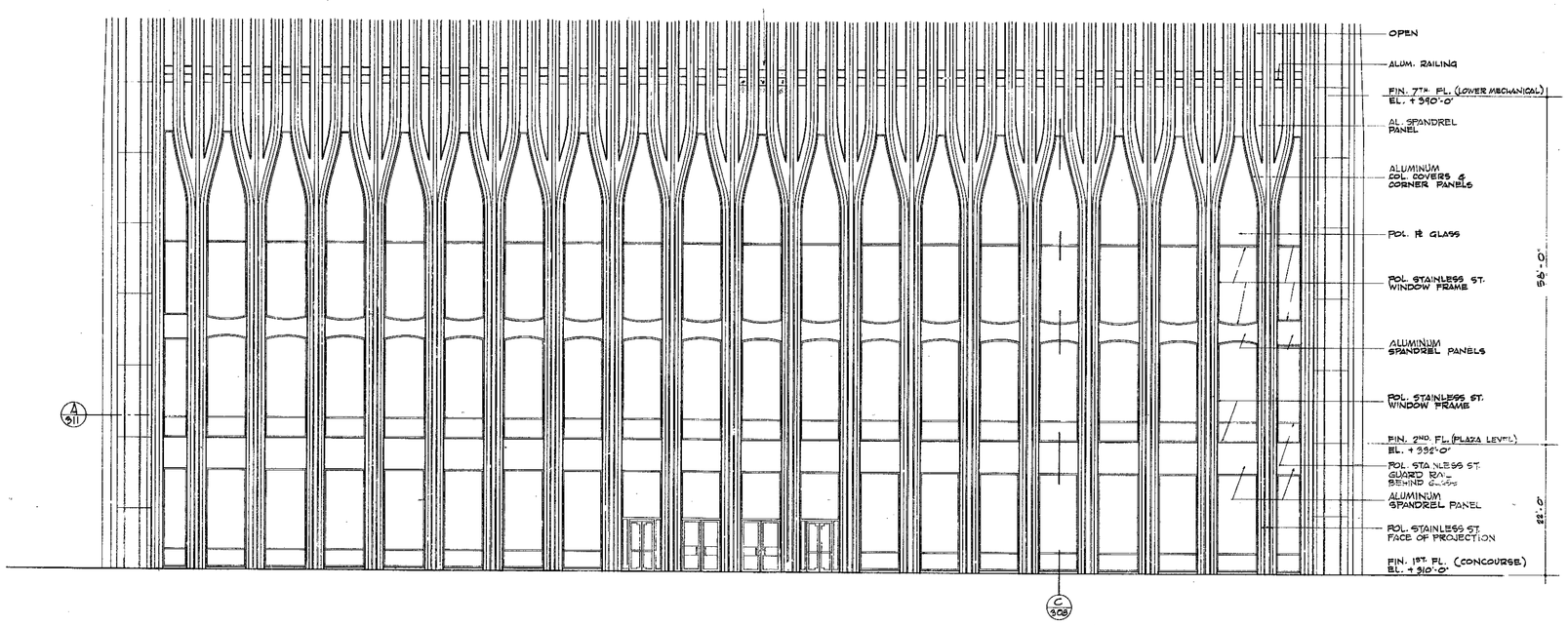
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES & MISCELLANEOUS

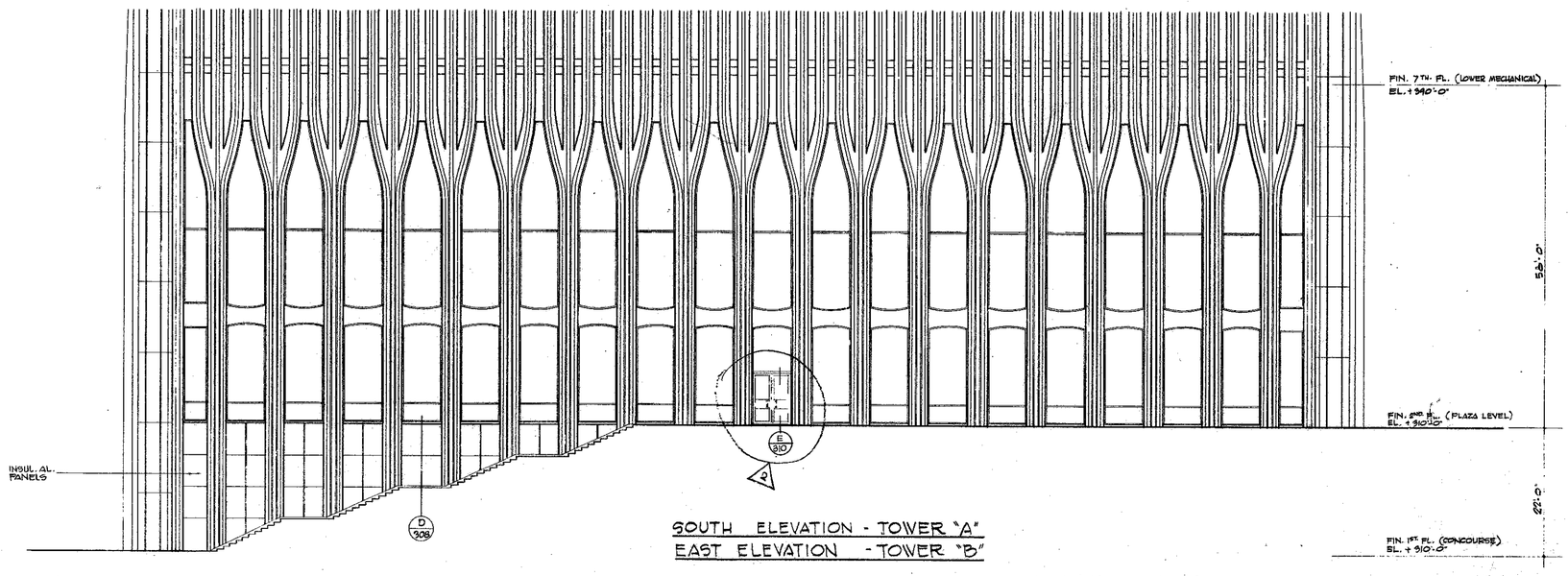
TITLE: NORTH & EAST BASE ELEVATIONS

DRAWN	A.H.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-AB-305		

AA 8-306



WEST ELEVATION - TOWER "A"
SOUTH ELEVATION - TOWER "B"



SOUTH ELEVATION - TOWER "A"
EAST ELEVATION - TOWER "B"

1/8"=1'-0" 0 4 8 16' 24'

CONTRACT BID DRAWING date 2-9-66 Tower 'A' 3-1-66 Tower 'B'

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
1	7-25-72	4-ED-5300 A-308	H.H. A.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT
STATE OF NEW YORK
No. 13531

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

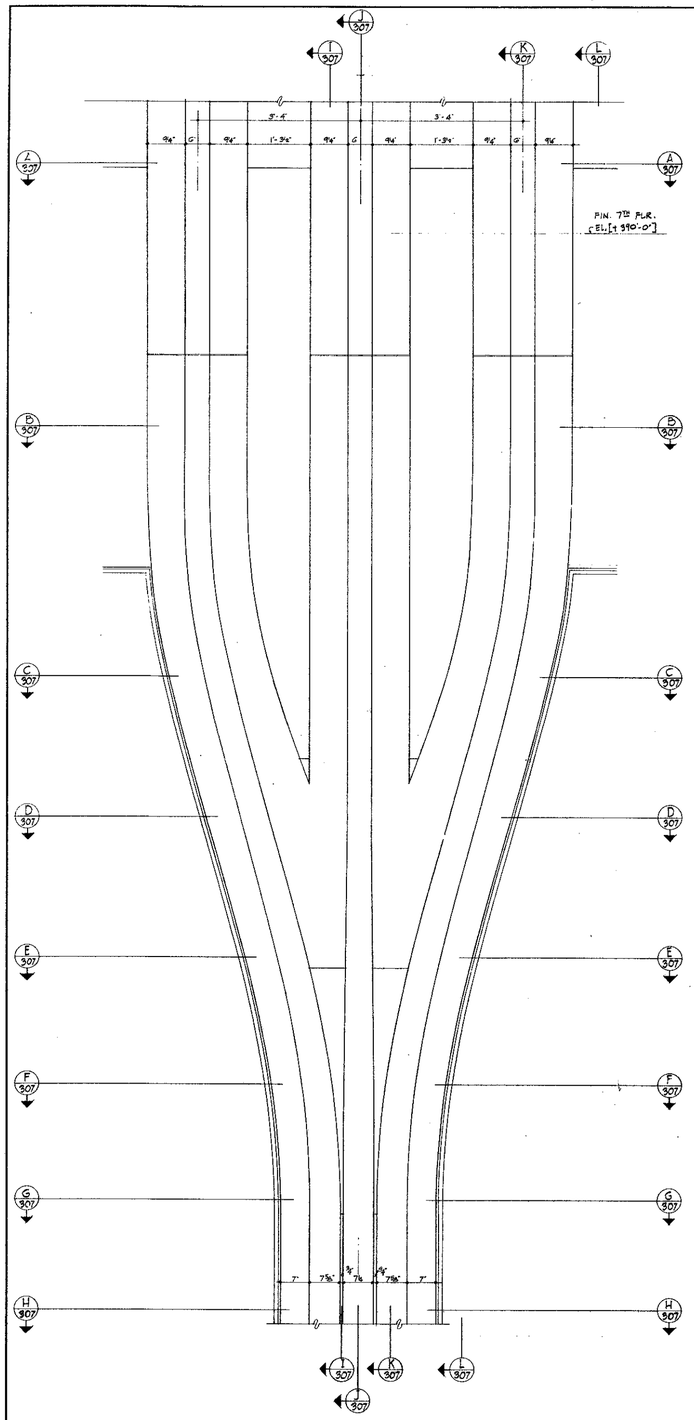
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

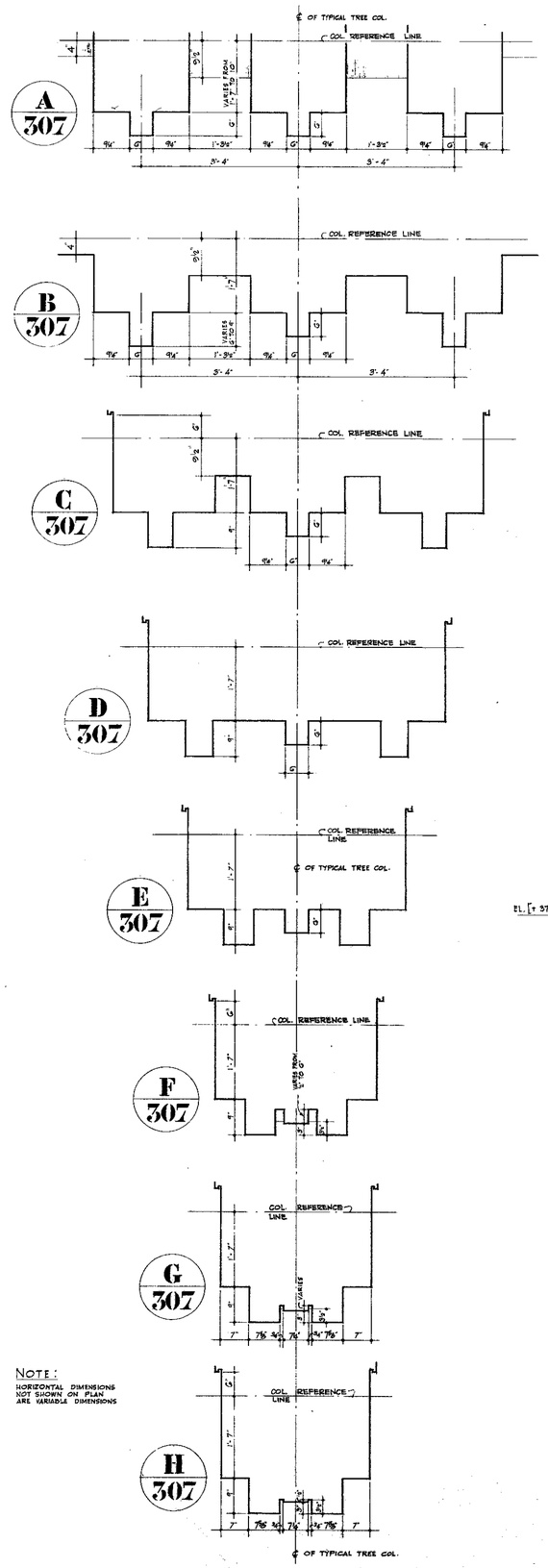
TITLE
WEST & SOUTH BASE ELEVATIONS

DRAWN	H.Y.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-12-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-306		

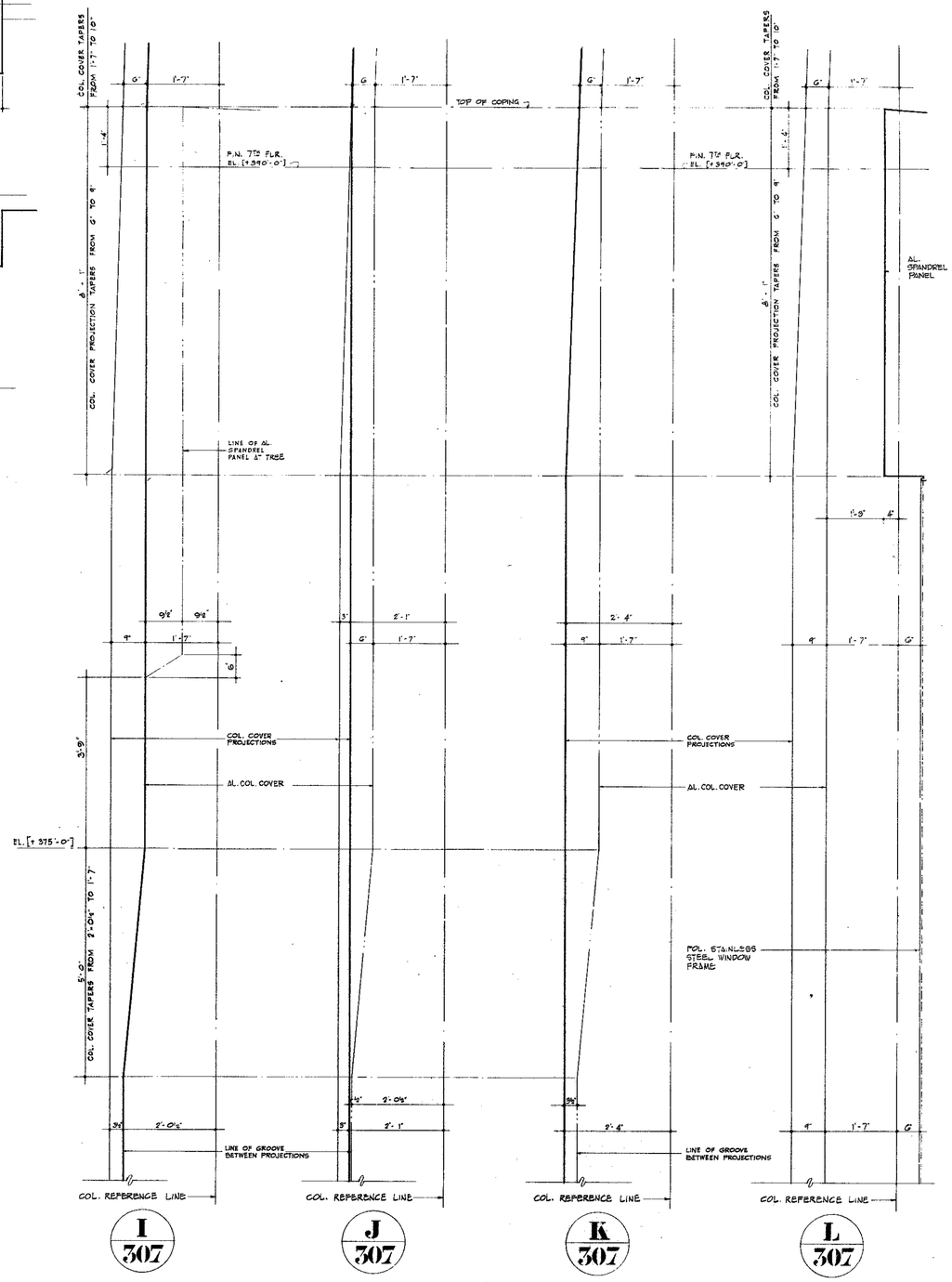
AAB-307



ELEVATION OF TYPICAL 'TREE'



NOTE:
HORIZONTAL DIMENSIONS NOT SHOWN ON PLAN ARE VARIABLE DIMENSIONS



CONTRACT BID DRAWING date	8-9-68 Tower 'A'	8-1-68 Tower 'B'
NO. DATE SUB. NO. BY	NO. DATE SUB. NO. BY	
REVISIONS	REVISIONS	

APPROVED
CHIEF, PLANNING DIVISION
DATE

1"=1'-0" 0 3" 6" 9" 1' 2' 3'

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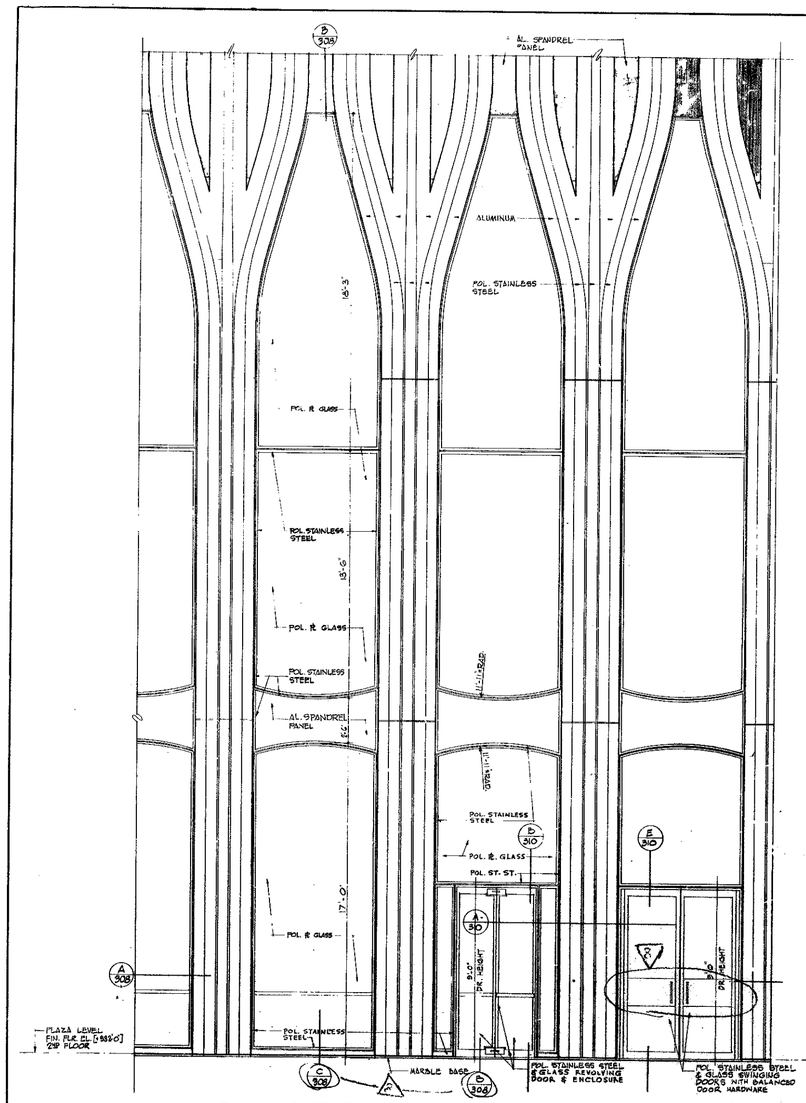
JOSEPH R. LORIO & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: COLUMN COVER CONTOURS AT BASE

DRAWN	A.H.	CHECKED	
SCALE	1" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET NO.	OF
DRAWING NUMBER	A·AB·307		

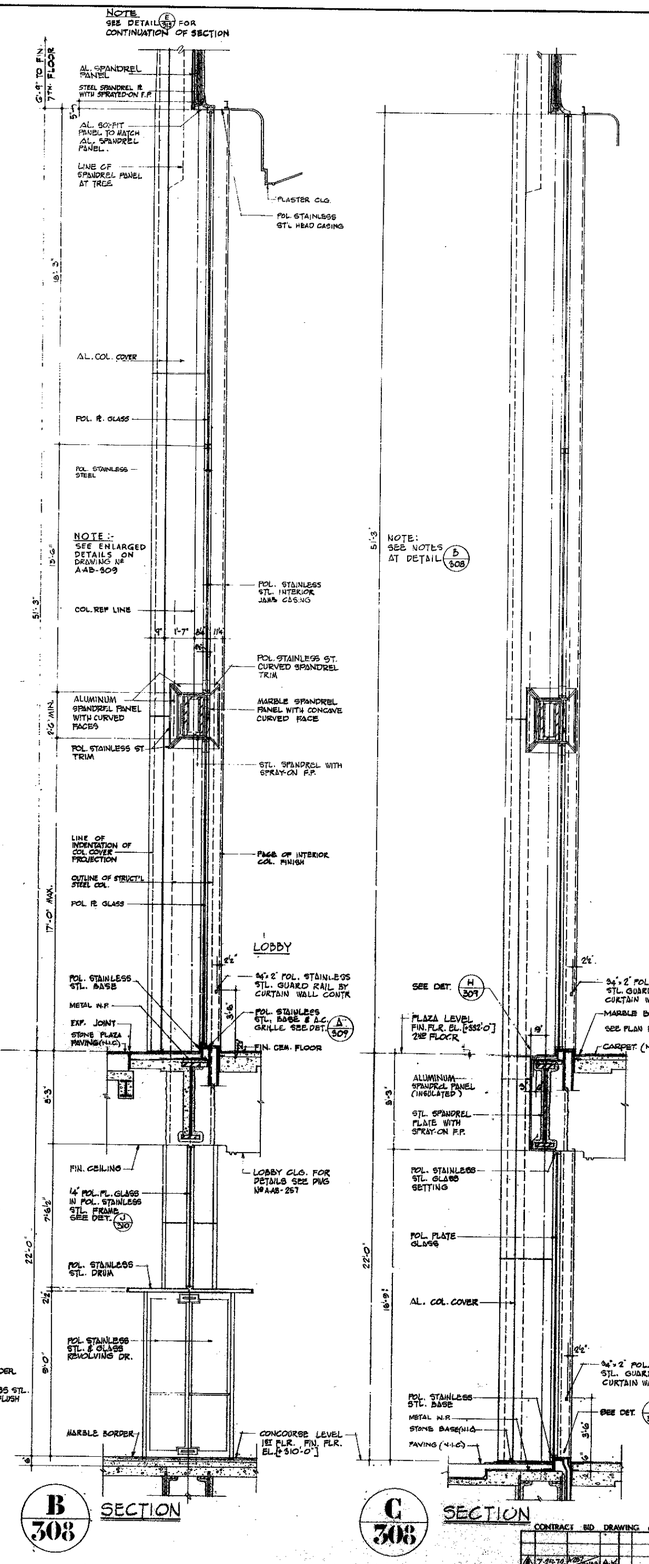
AAB-308



PARTIAL EXTERIOR ELEVATION

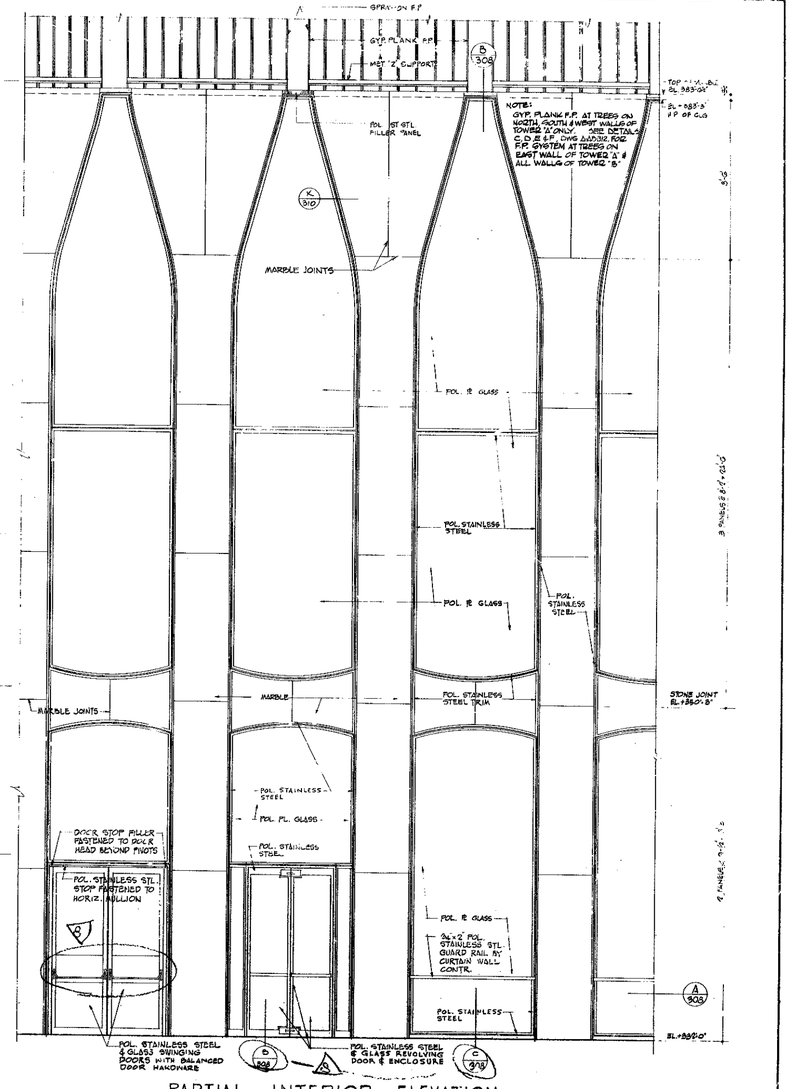
NOTE:
FOR ELEVATIONS OF BASE BELOW PLAZA LEVEL SEE DRAWINGS Nos A-AB-305 AND A-AB-306

A 308 PLAN

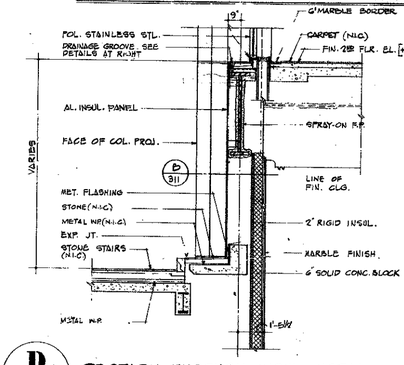


B 308 SECTION

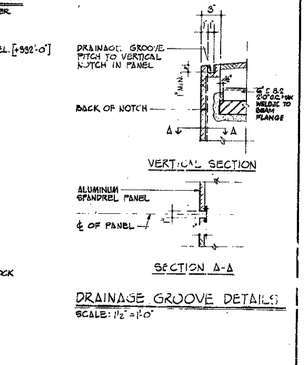
C 308 SECTION



PARTIAL INTERIOR ELEVATION



D 308 SECTION THROUGH INSUL. METAL PANELS AT PLAZA STAIRS



DRAINAGE GROOVE DETAILS

SCALE: 1½" = 1'-0"

CONTRACT	BID	DRAWING	date - 2-9-68 Tower 'A' 8-1-68 Tower 'B'
7-20-70			
11-6-70			
5-16-70	A-47		
9-29-69	A-40		
5-29-69	A-25		
5-29-69	A-17		
7-5-68			
5-1-68			

REVISION'S — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," NOT BY CURTAIN WALL CONTRACTOR," "BY STRUCTURAL CONTRACTOR", OR OTHER SIMILAR NOTES ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACT WORK.

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

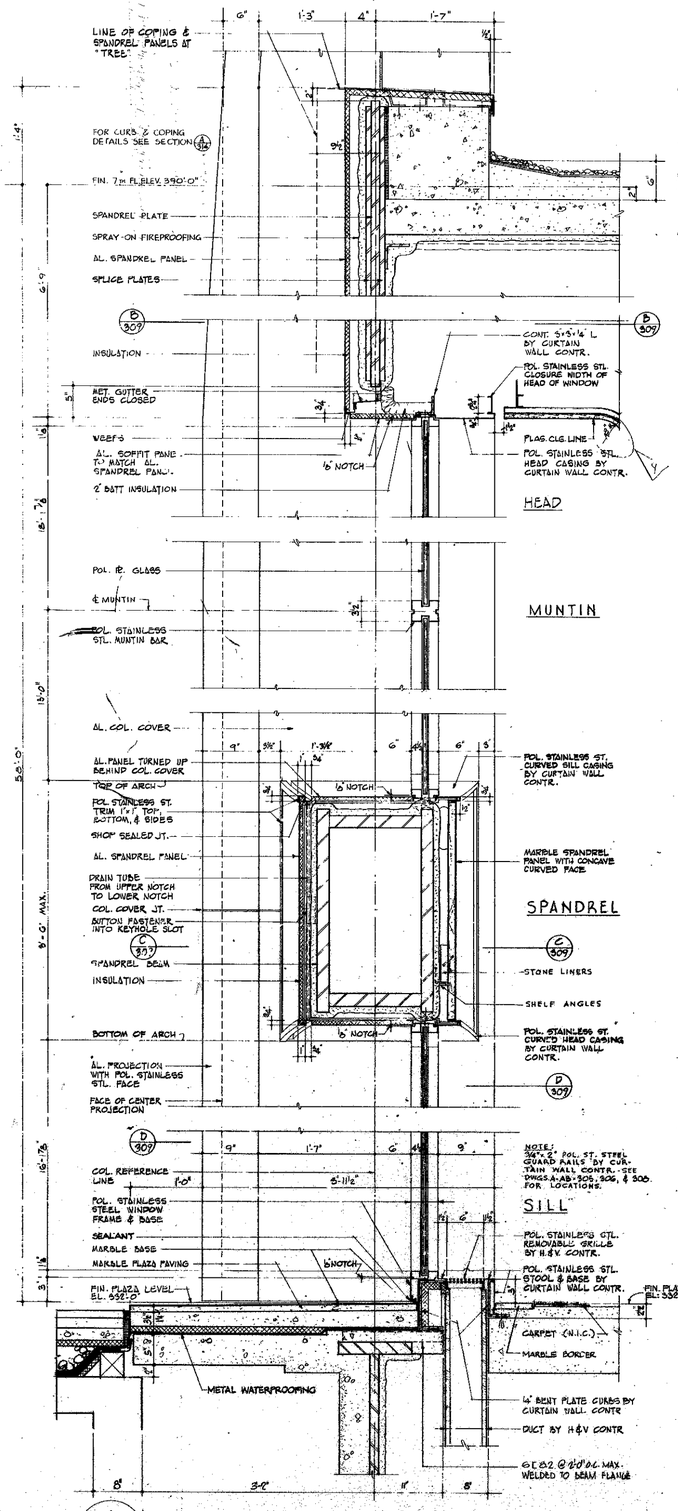
JOSEPH R. LORIPO & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, TOWERS

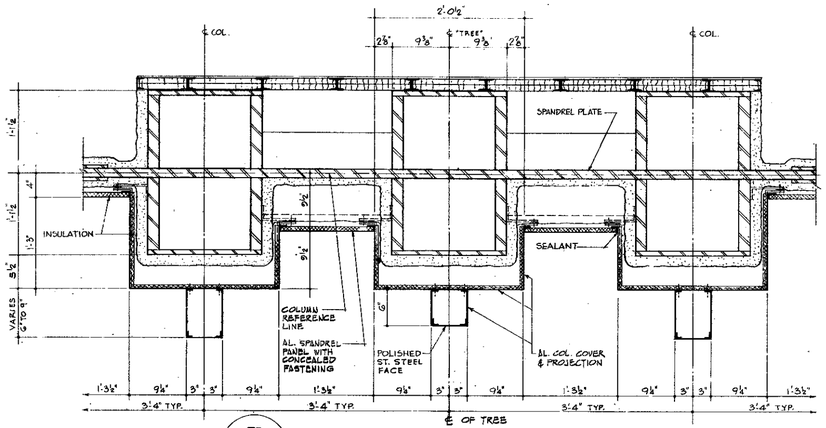
TITLE: FAÇADE ELEVATIONS & SECTIONS AT BASE

DRAWN	A.H.	CHECKED	
SCALE	3/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
*HARING NUMBER	A-AB-308		

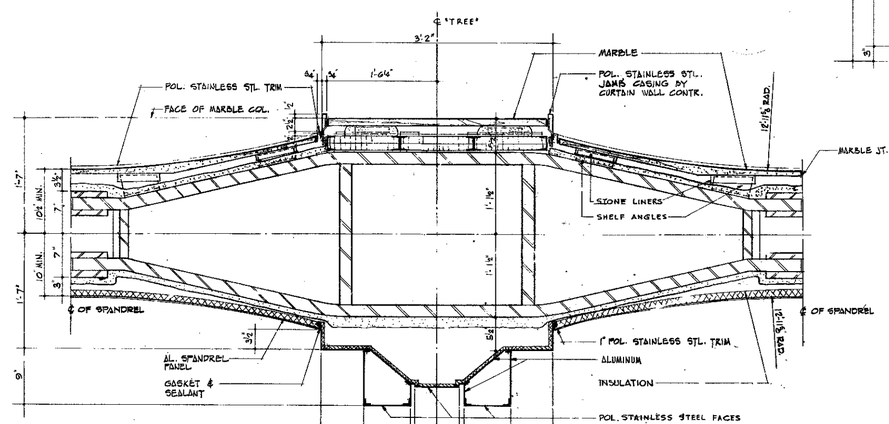
AAB-309



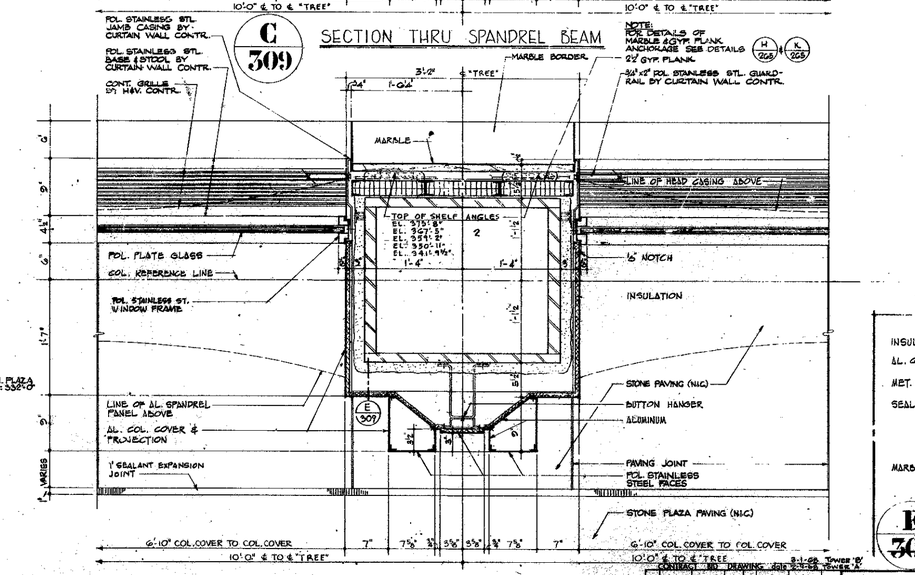
A 309 SECTION THRU LOBBY WALL AT PLAZA



B 309 COLUMN SECTION ABOVE CEILING

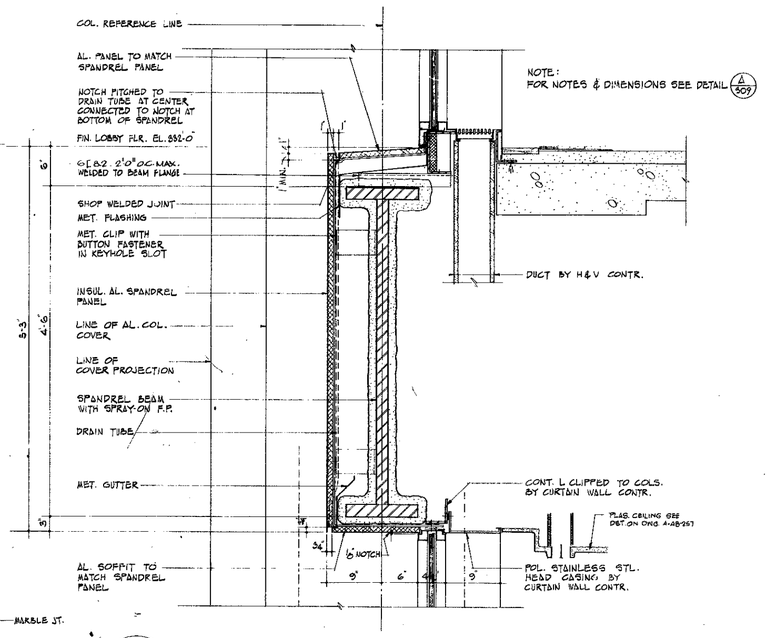


C 309 SECTION THRU SPANDREL BEAM

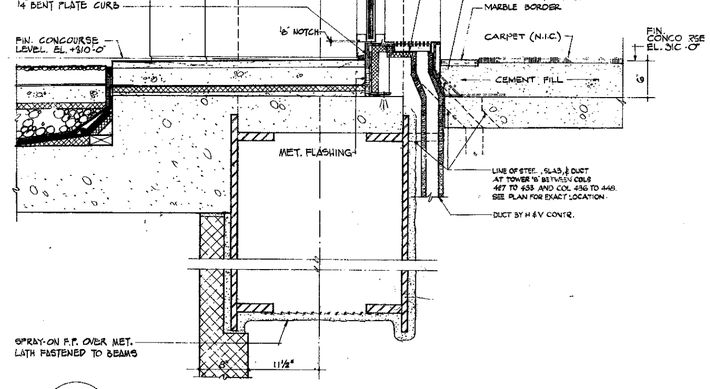


D 309 COLUMN SECTION AT PLAZA FLOOR LEVEL
SIMILAR AT CONCOURSE LEVEL EXTERIOR WALL

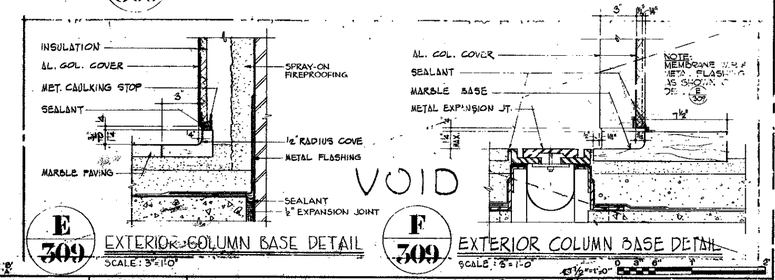
NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," "BY STRUCTURAL CONTRACTOR," OR "NOT BY CURTAIN WALL CONTRACTOR," AND OTHER SIMILAR NOTES, ARE FOR CLASSIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS' WORK.



H 309 SPANDREL SECTION AT PLAZA LEVEL
(WEST ELEVATION TOWER "A", SOUTH ELEVATION TOWER "B")



G 309 SILL SECTION AT CONCOURSE LEVEL
(WEST ELEVATION TOWER "A", SOUTH ELEVATION TOWER "B")



E 309 EXTERIOR COLUMN BASE DETAIL
SCALE: 3"=1'-0"

F 309 EXTERIOR COLUMN BASE DETAIL
SCALE: 3"=1'-0"

CONTRACT NO.	DRAWING	date 3-1-68 TOWER 'B' TOWER 'A'
1-10-74	A-307	J.B.
1-6-70	A-306	D.A.
3-10-69	A-27	W.B.
7-29-68	A-40	R.E.
4-29-68	A-25	S.B.
4-29-68	A-17	J.B.
1-2-68	A-15	R.E.
4-22-67	S-1	J.B.
3-31-67	M-1	

REVISIONS

APPRD. JD

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

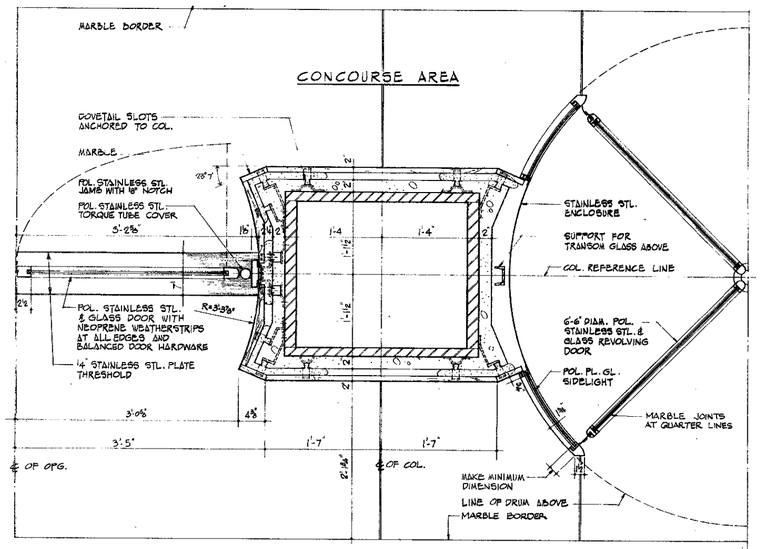
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

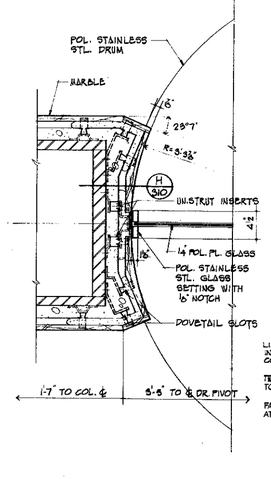
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FACADE DETAILS AT BASE

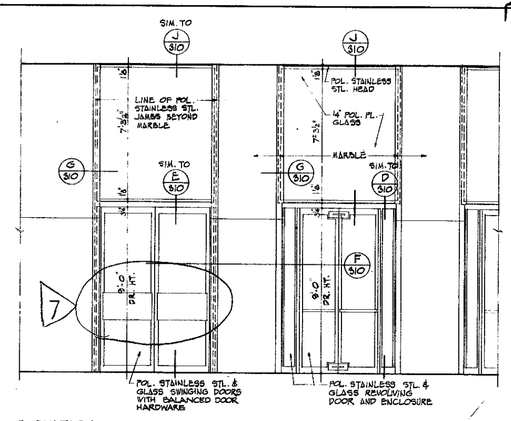
DRAWN	P.E.D.	CHECKED	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A AB 309		



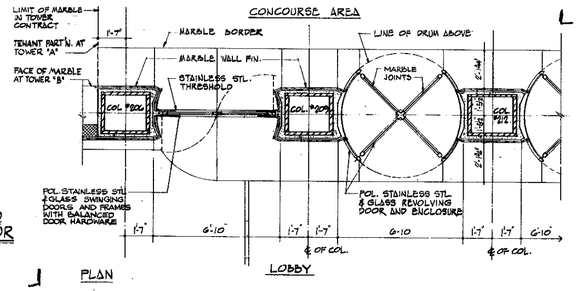
F 310 PLAN AT INTERIOR REVOLVING & SWINGING DOORS AT CONCOURSE LEVEL



G 310 PLAN AT TRANSOM JAMB ABOVE REVOLVING DOOR



ELEVATION

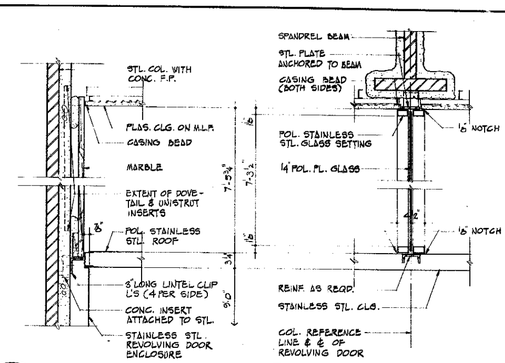


PLAN

LOBBY

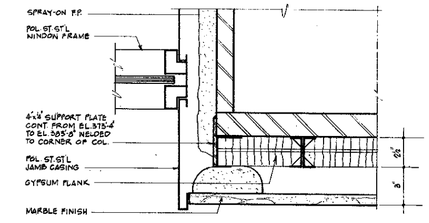
PLAN AND ELEVATION OF DOORS BETWEEN LOBBY AND CONCOURSE AREA

SCALE: ⅜" = 1'-0"



H 310 SECTION THROUGH MARBLE ABOVE REVOLVING DOOR

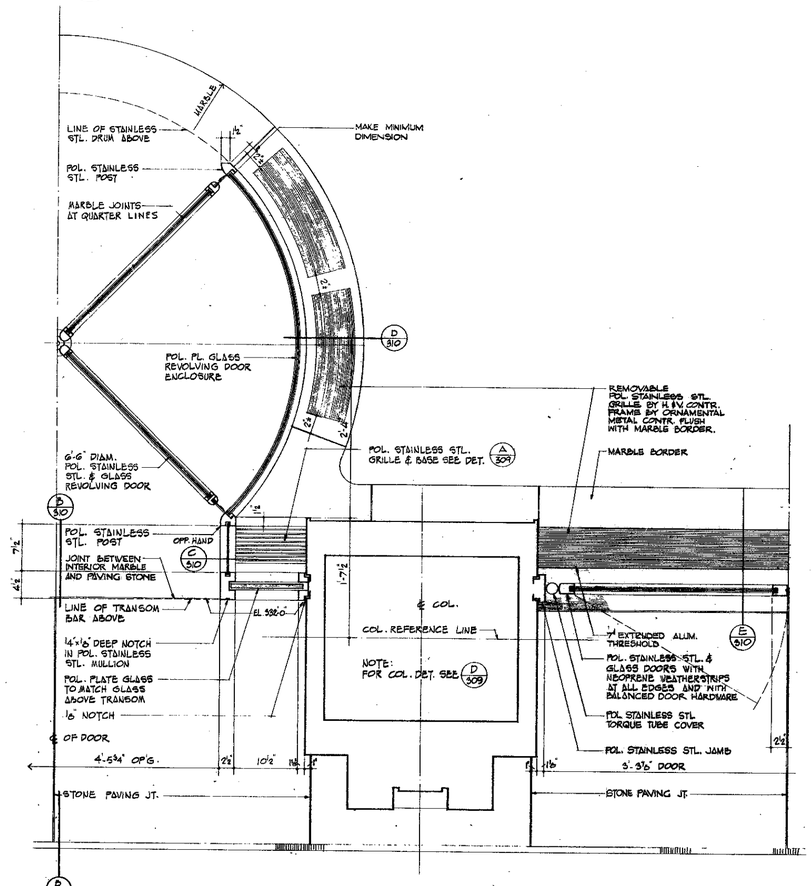
J 310 SECTION THROUGH TRANSOM ABOVE REVOLVING DOOR



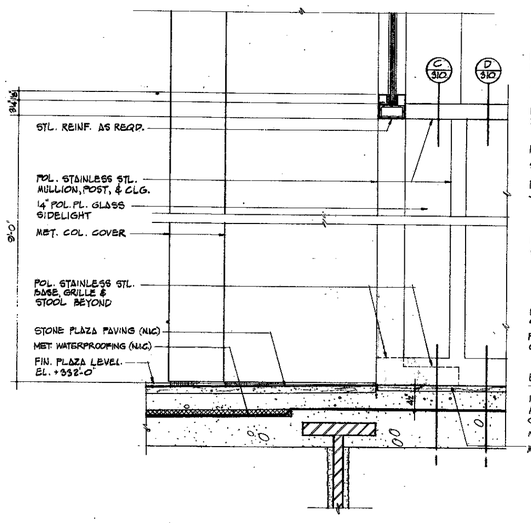
K 310 GYPSUM PLANK SUPPORT AT PERIMETER COLUMN TREE AREA

SCALE: 3"=1'-0"

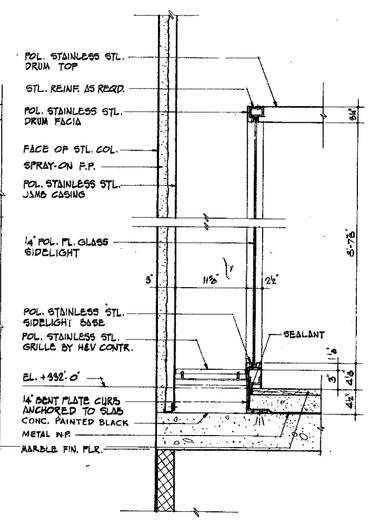
NOTE:
APPLIES AT NORTH, SOUTH & WEST WALLS OF TOWER "A" ONLY.



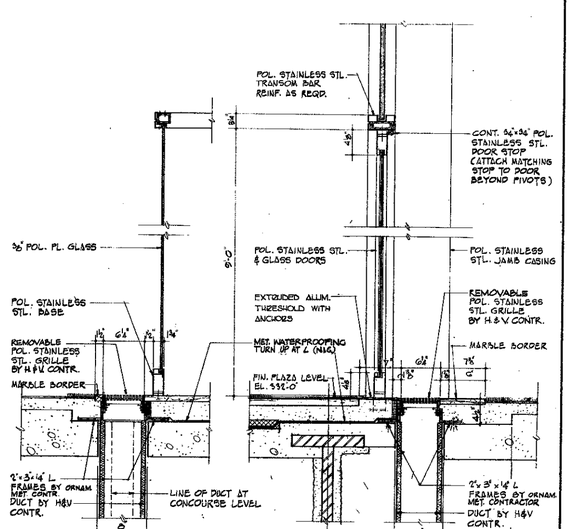
A 310 PLAN AT EXTERIOR REVOLVING & SWINGING DOORS AT PLAZA AND CONCOURSE LEVELS



B 310 SECTION AT EXTERIOR OF REVOLVING DOOR



C 310 SECTION AT REVOLVING DOOR SIDELIGHT



D 310 SECTION AT REVOLVING DOOR ENCLOSURE

E 310 SECTION AT SWINGING DOORS

NOTE

1. DOOR SECTIONS B,C,D & E ARE FOR PLAZA LEVEL. CONCOURSE LEVEL SECTIONS ARE SIMILAR.
2. SEE DWG. A-AB-308 FOR DOOR ELEVATIONS.

CONTRACT - 8D DRAWING date > 2-9-68 Tower 'A' 8-1-68 Tower 'B'

NO.	DATE	REVISIONS	BY
7	7-25-72	P-81	A.K.
6	11-6-70	P-68	J.J.
5	5-6-70	A-47	J.C.
4	1-23-69	A-40	R.S.
3	1-23-69	A-25	R.S.
2	7-8-68	A-3	R.S.
1	5-21-68		M.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

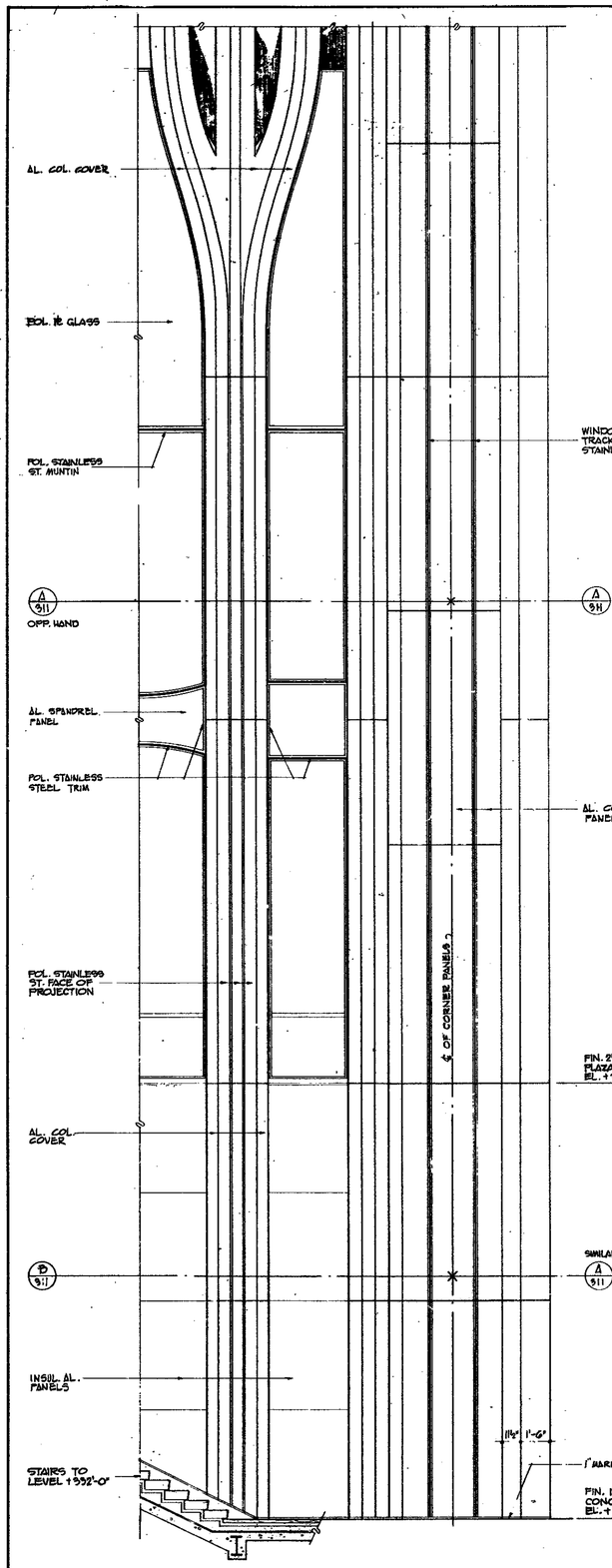
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

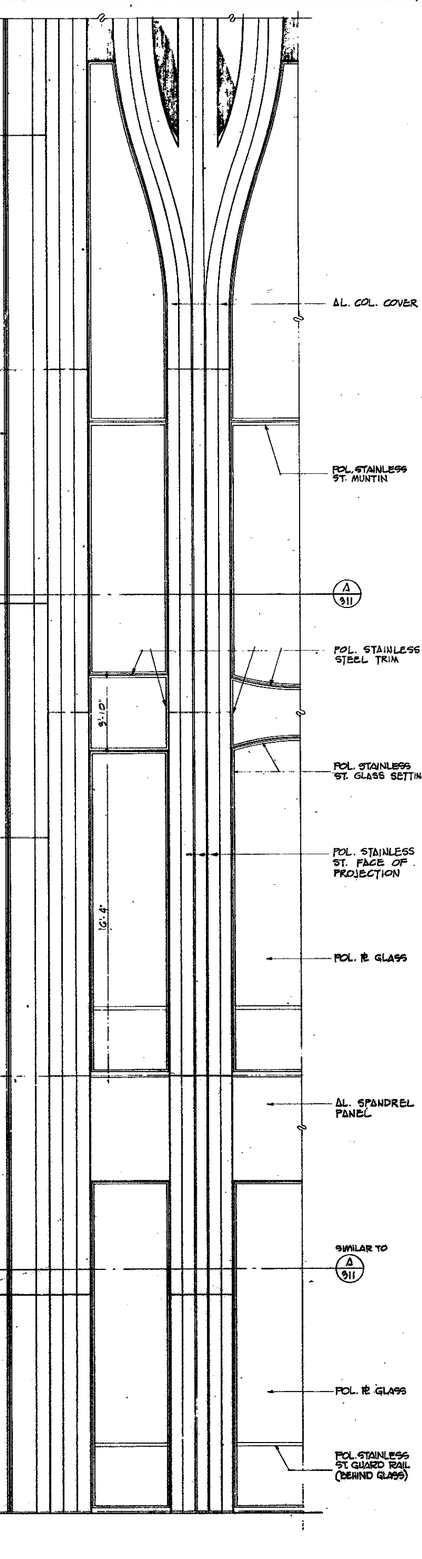
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FACADE ENTRANCE DETAILS

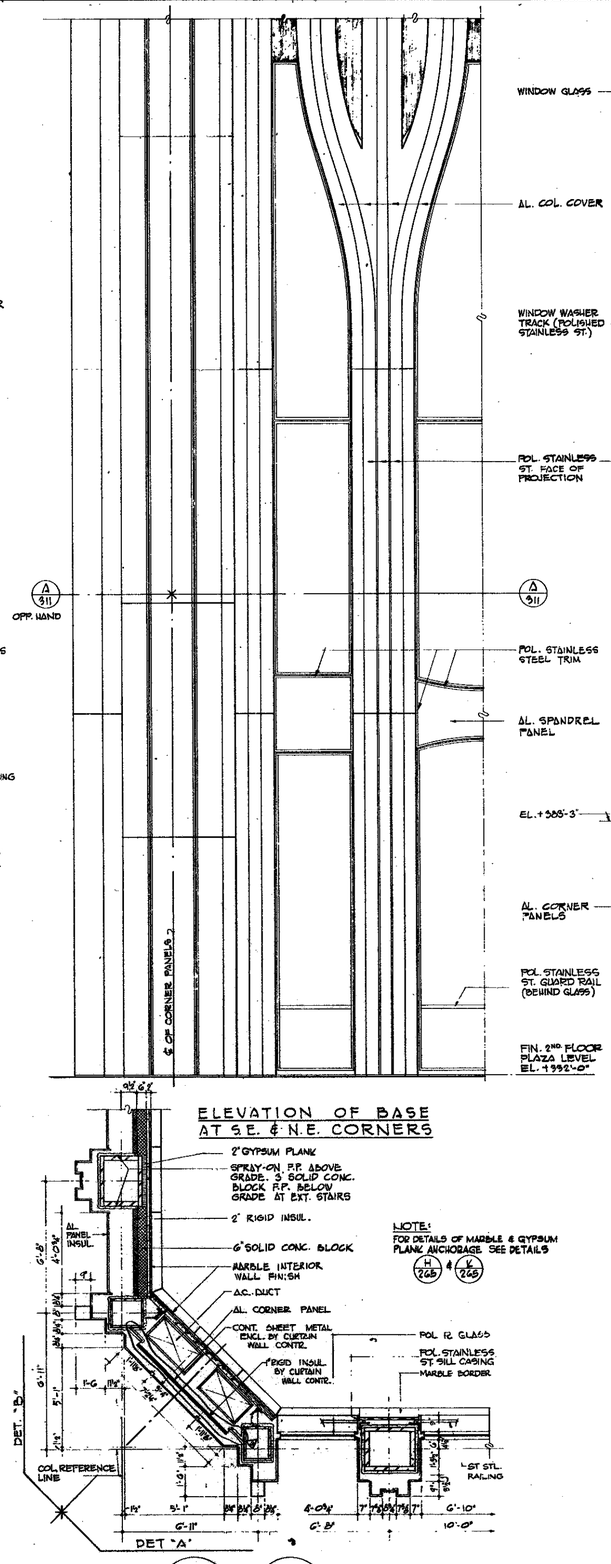
DRAWN	AGO	CHECKED	
SCALE	1½" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-310		



ELEVATION OF BASE
AT N.W. CORNER (LOOKING SOUTH)
S.W. CORNER SIMILAR OPP. HAND

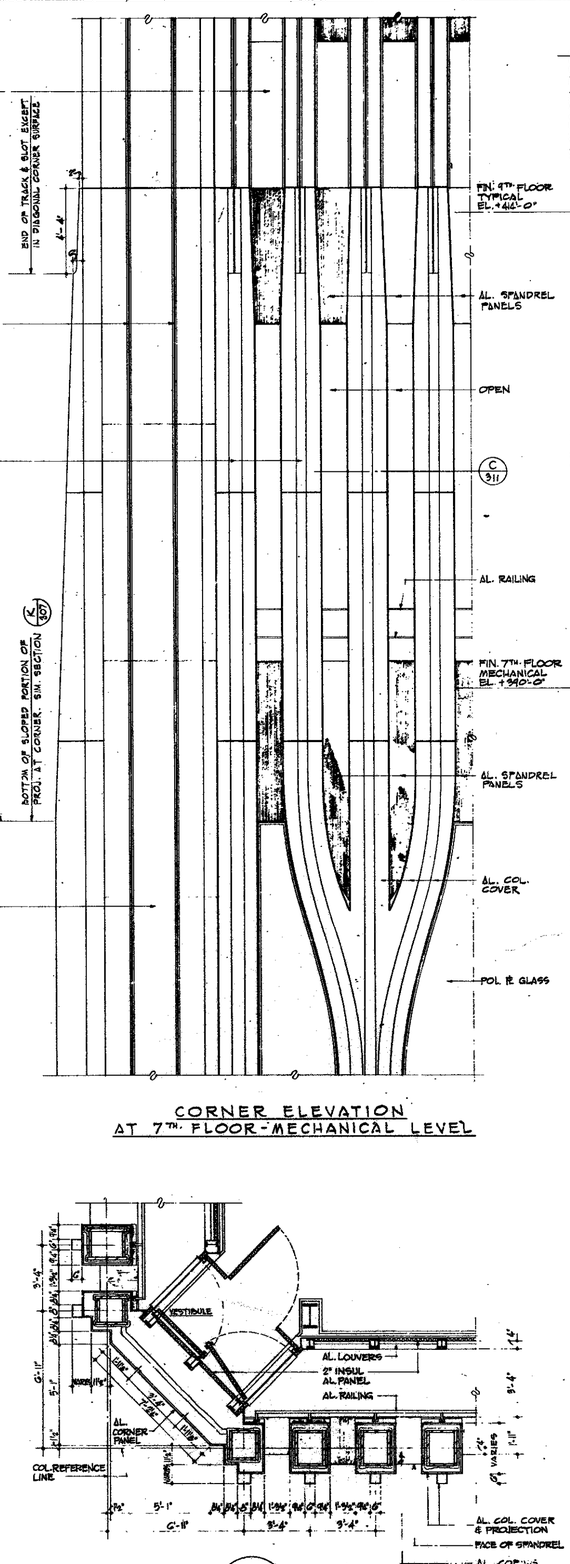


ELEVATION OF BASE
AT N.W. CORNER (LOOKING EAST)
S.W. CORNER SIMILAR OPP. HAND



ELEVATION OF BASE
AT S.E. & N.E. CORNERS

CORNER ELEVATION
AT 7TH. FLOOR-MECHANICAL LEVEL



A 311 B 311 PLAN AT LOBBY FLOORS
NOTE: SEE DWG. NO. A-AB-267 FOR LARGE SCALE DETAILS

C 311 PLAN AT 7TH (MECH.) FLOOR
NOTE: SEE DWG. NO. A-AB-522 FOR LARGE SCALE DETAILS

3/8"-1'-0"

CONTRACT NO.	DRAWING date 2-2-68 Tower "A" 5-1-68 Tower "B"

NO.	DATE	SUB. NO.	BY
1	11-6-70	Sup. Dwg.	J.J.
2	5-16-70	A-67	T.J.
3	5-31-68		M.W.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

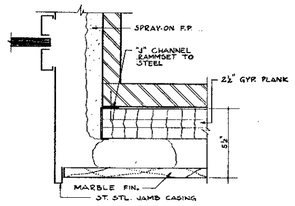
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

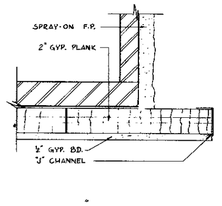
TITLE: CORNER ELEVATIONS & PLANS AT BASE

DESIGN	A.M.	CHECKED	
SCALE	3/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-311		

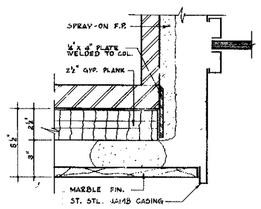
AAB-312



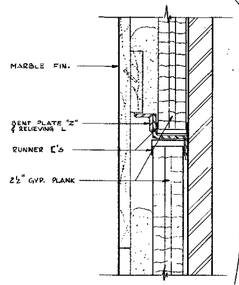
J 312 DETAIL
SCALE : 3" = 1'-0"



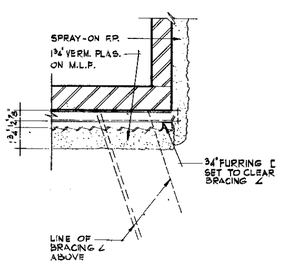
G 312 DETAIL
SCALE : 3" = 1'-0"



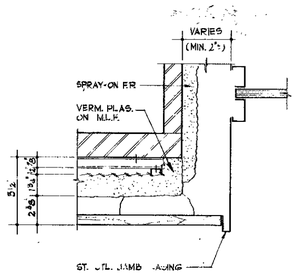
H 312 DETAIL
SCALE : 3" = 1'-0"



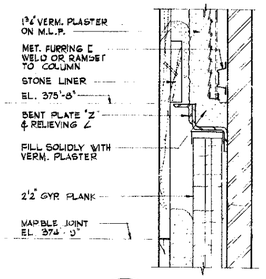
K 312 DETAIL
SCALE : 3" = 1'-0"



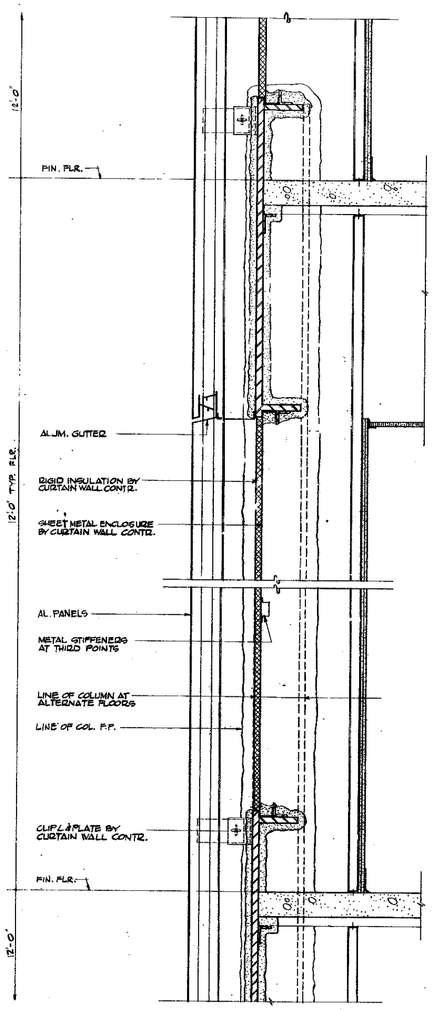
D 312 DETAIL
SCALE : 3" = 1'-0"



E 312 DETAIL
SCALE : 3" = 1'-0"

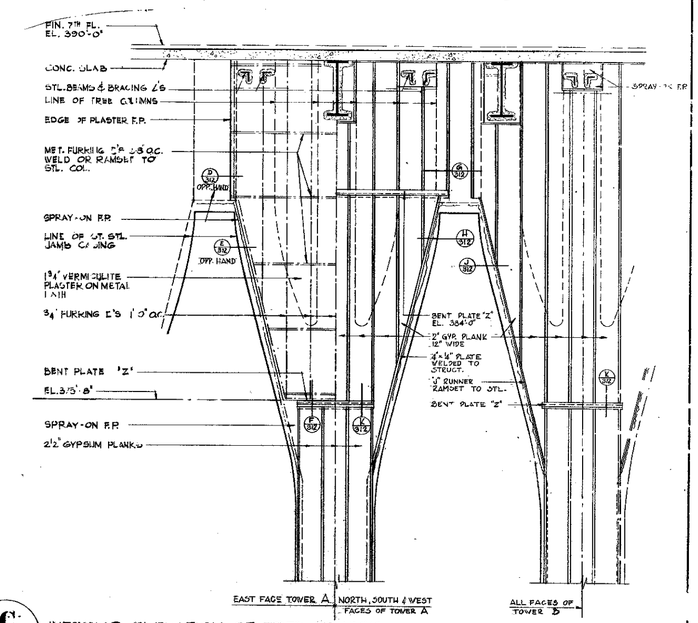


F 312 DETAIL
SCALE : 3" = 1'-0"

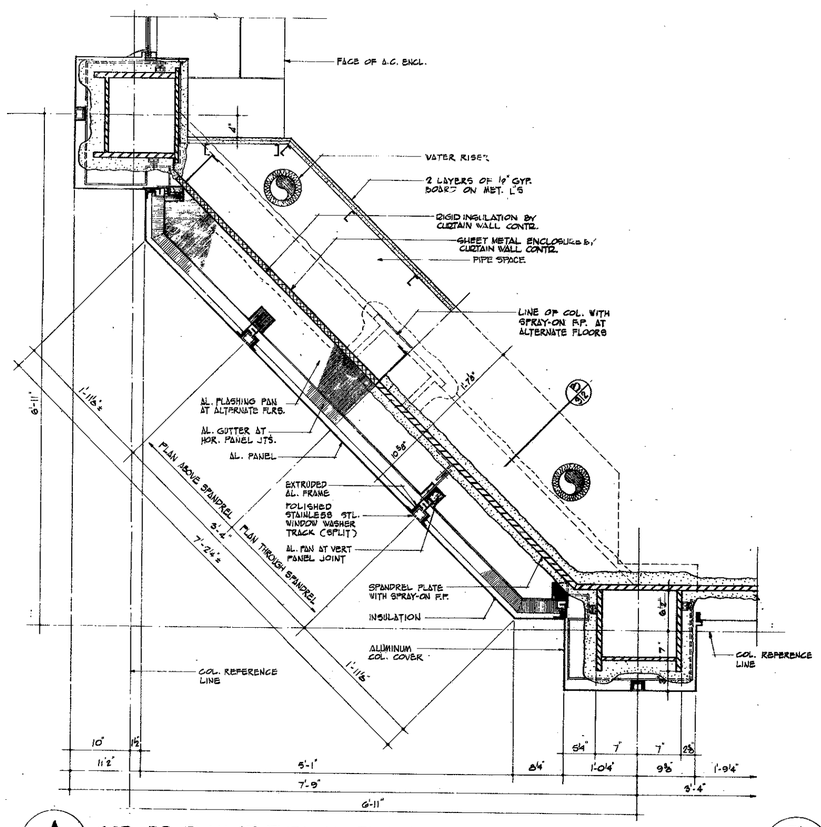


B 312 CORNER WALL SECTION AT TYPICAL FLOOR

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," "BY CURTAIN WALL CONTRACTORS," "BY STRUCTURAL CONTRACTOR," OR OTHER BY LIKE NOTES ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS' WORK.



C 312 INTERIOR ELEVATION OF TREE COLUMNS
SCALE 2" = 1'-0"
(MARBLE FINISH NOT SHOWN)



A 312 CORNER PLAN AT TYPICAL FLOOR

CONTRACT BID DRAWING date 2-9-68, Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	REVISIONS	BY
1	1-10-74	ASB 271	JP
2	11-4-70	ASB 228	DA

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

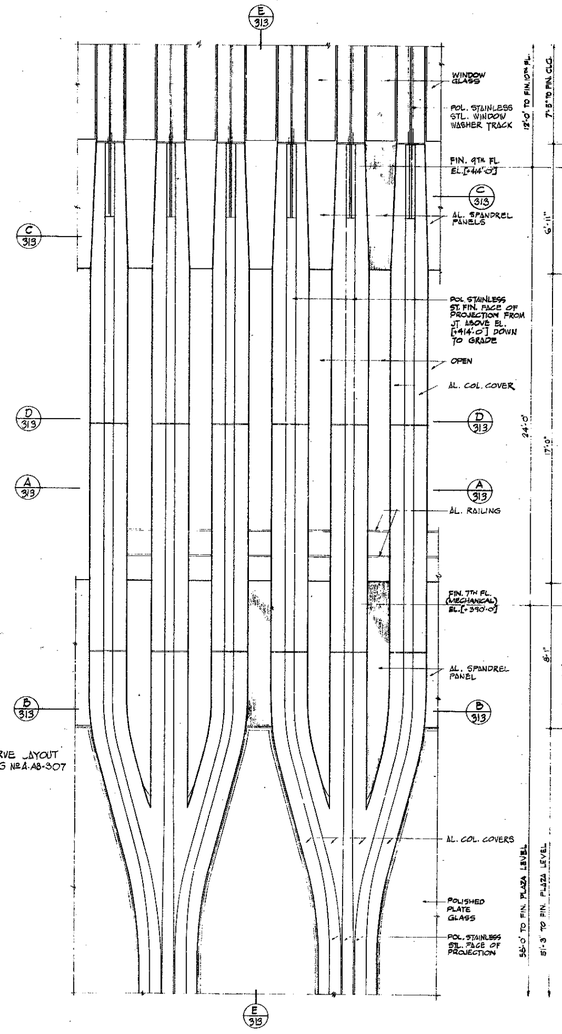
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CORNER DETAILS AT TYPICAL FLOOR

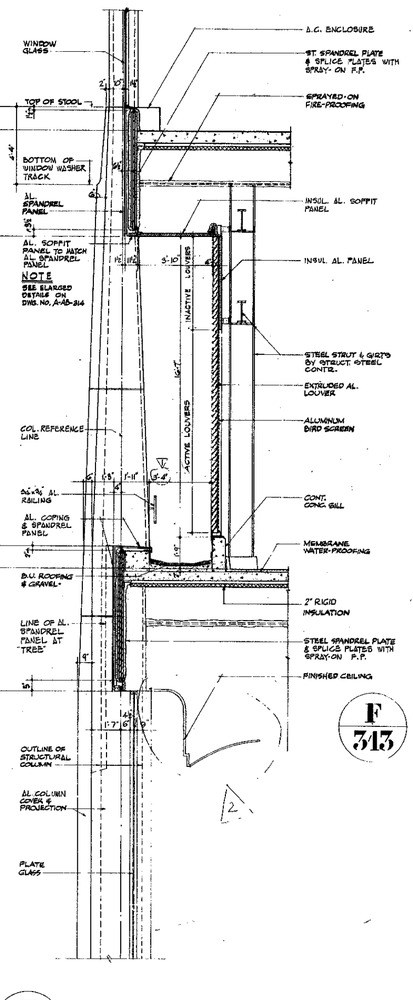
DRAWN	A.C.	CHECKED	
SCALE	1½"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	-
DRAWING NUMBER	A-AB-312		

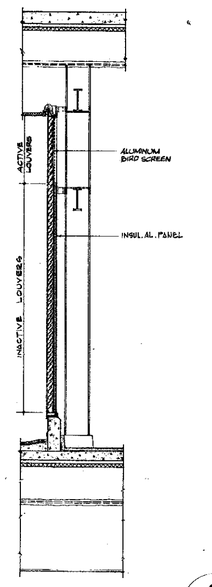
A AB-313

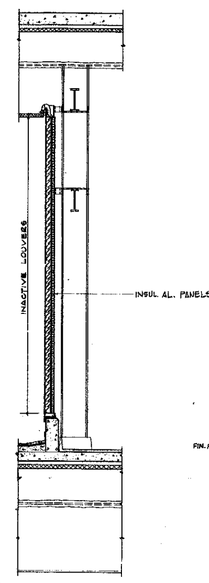


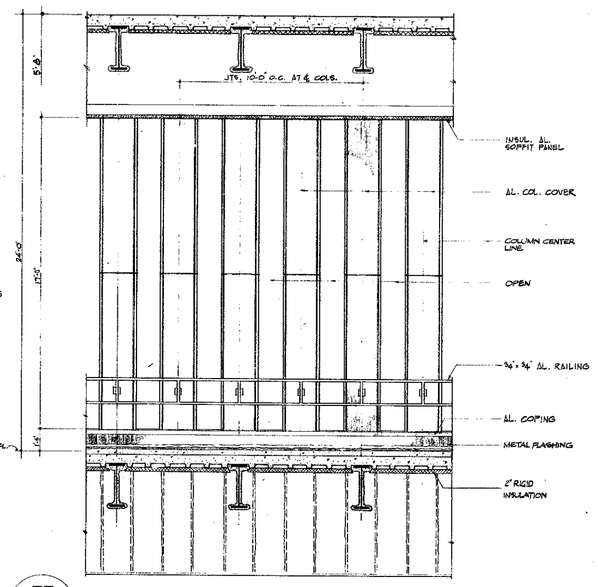
NOTE:
FOR CURVE LAYOUT
SEE DWG NO. A-AB-307

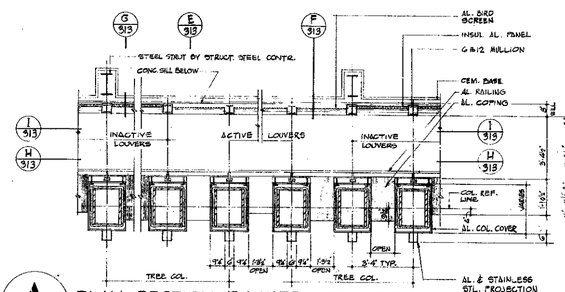
ELEVATION OF TREE COL'S AT LOWER MECH. LEVEL

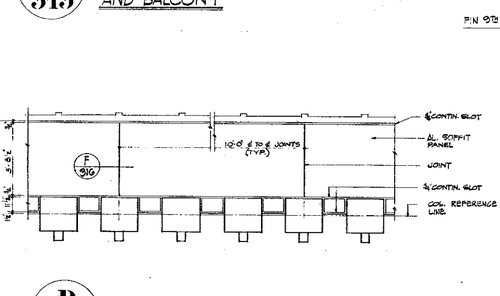


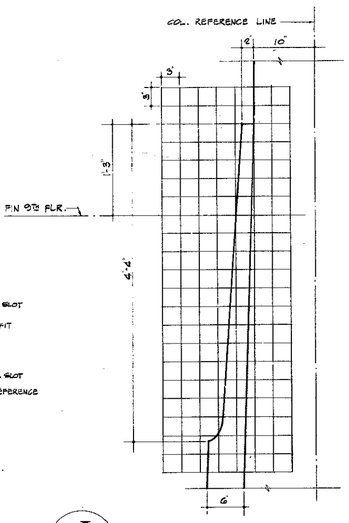


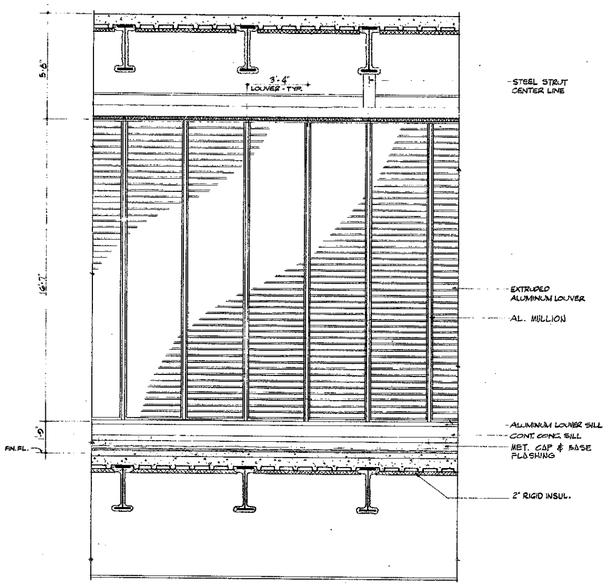


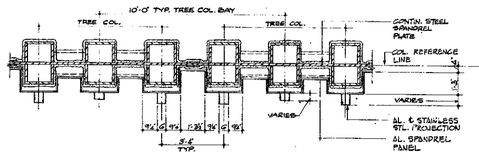


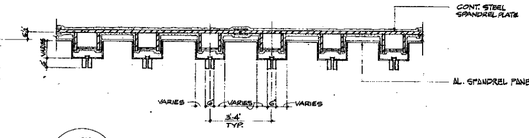












E 313 SECT. THRU INTAKE LOUVERS AND BALCONY

F 313 SECT. THRU EXHAUST LOUVERS

G 313 SECT. THRU BLANKED-OFF LOUVERS

H 313 ELEVATION OF BACK OF COLUMNS

A 313 PLAN SECTION AT LOWER MECH. LEVEL
NOTE: FOR VEST. DETAILS SEE DWG. NO. A-AB-322

B 313 PLAN SECTION AT 7TH FL. SPANDREL

NOTE
SEE ENLARGED DETAILS ON DWG. NO. A-AB-314

C 313 PLAN SECTION AT 9TH FL. SPANDREL

D 313 REFLECTED SOFFIT PLAN

J 313 TOP OF ALUMINUM COLUMN COVER PROJECTION
SCALE: 1½" = 1'-0"

I 313 ELEVATION OF LOUVERS

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTORS", "NOT BY CURTAIN WALL CONTRACTOR", "BY STRUCTURAL CONTRACTORS", OR OTHER SIMILAR NOTES, ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS' WORK.

CONTRACT BD DRAWING date 2-9-68 Tower 'A' 3-1-68 Tower 'B'

NO.	DATE	BUL. NO.	BY
1	7-10-70	A-371	J.R.
2	8-16-70	A-421	"

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT RICHARD ROTH NO. 7977 STATE OF NEW YORK

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

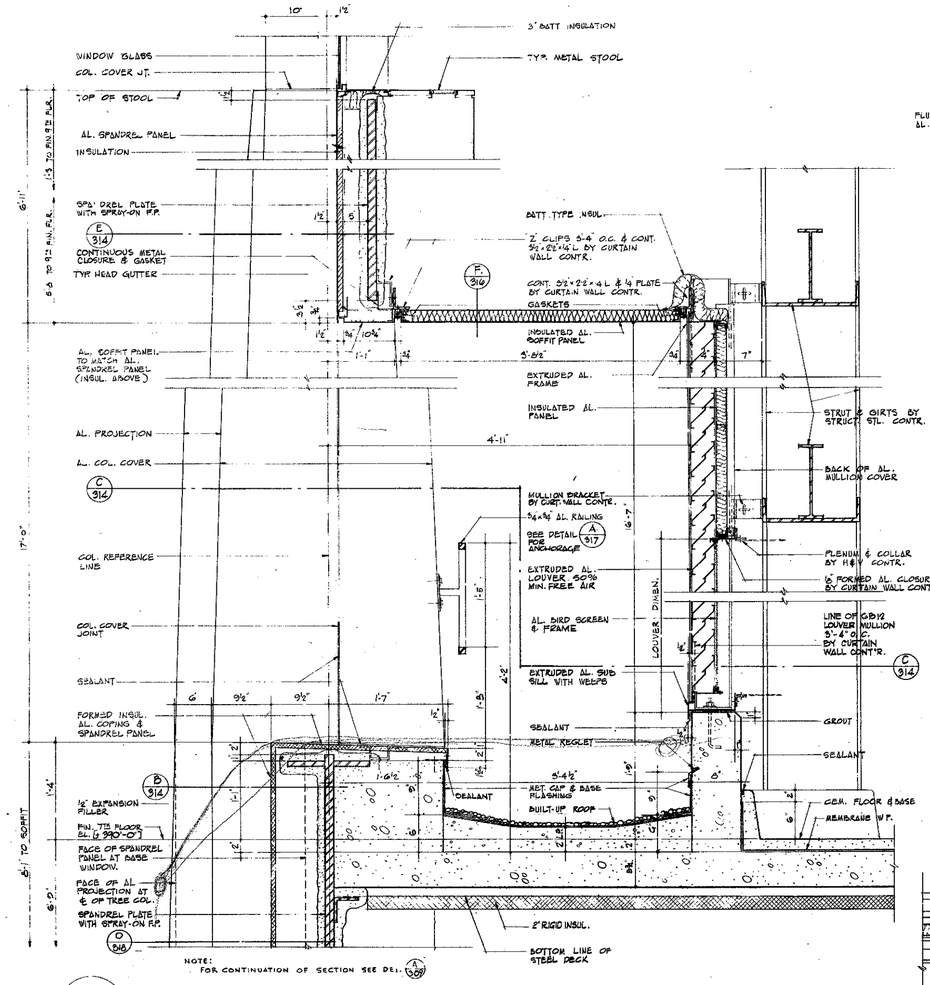
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FACADE ELEVATIONS & SECTIONS AT 7TH FLOOR MECH. LEVELS

DRAWN	P. G.	CHECKED	
SCALE	3/8"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-313		

3/8"=1'-0" 0 6" 1' 2' 3' 4' 5' 6' 7' 8'

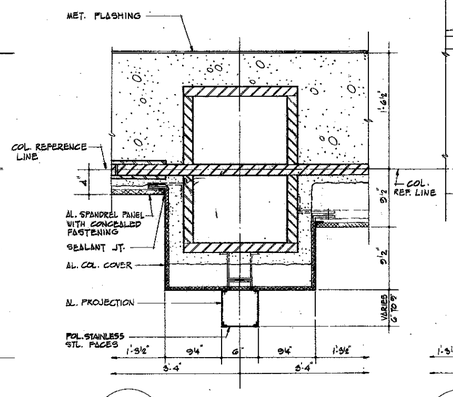
A·AB·314



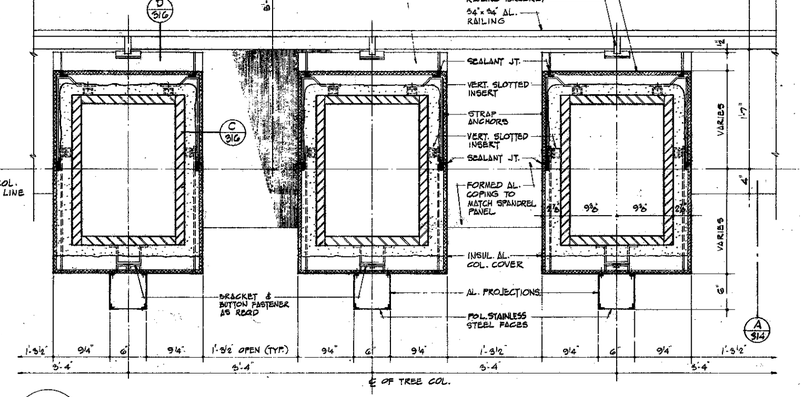
A 314 WALL SECTION AT 7TH FLOOR

F 314 SILL SECTION AT HIGH LOUVER

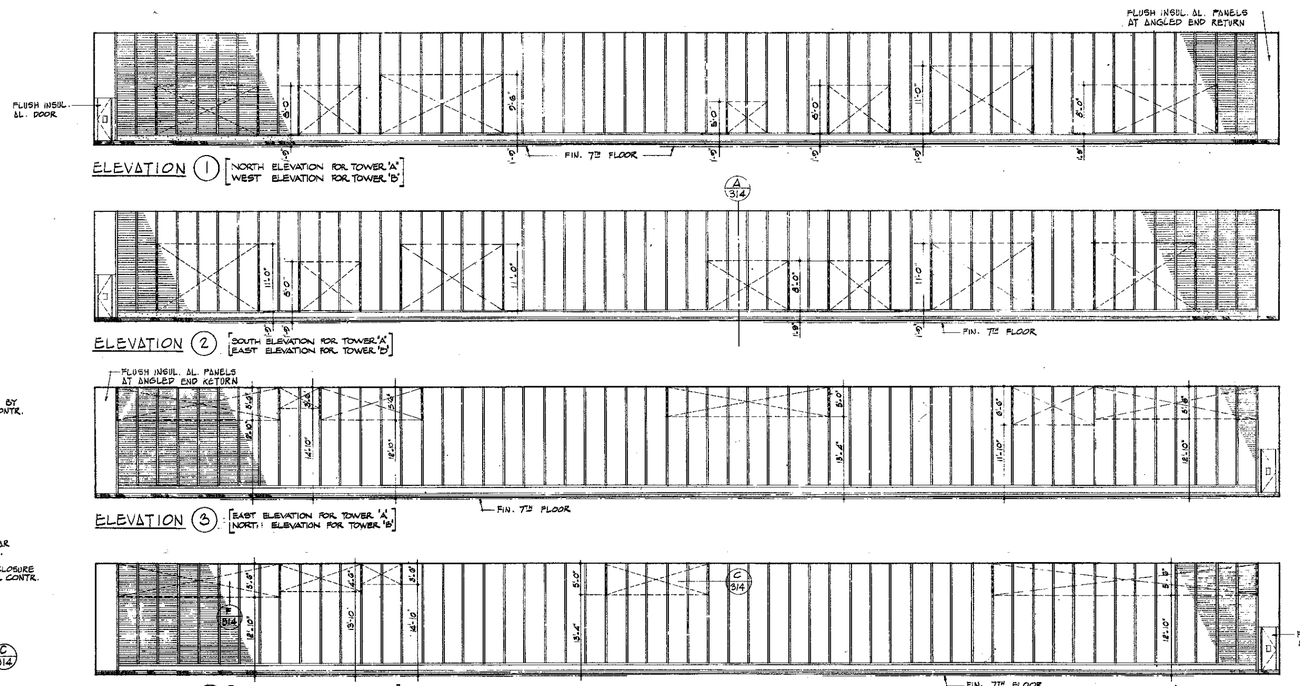
NOTE: FOR HEAD SECTION SEE DETAIL A/316



B 314 PLAN AT 7TH FLOOR SPANDREL - ABOVE FLOOR



C 314 PLAN AT 7TH FLOOR - ABOVE PARAPET

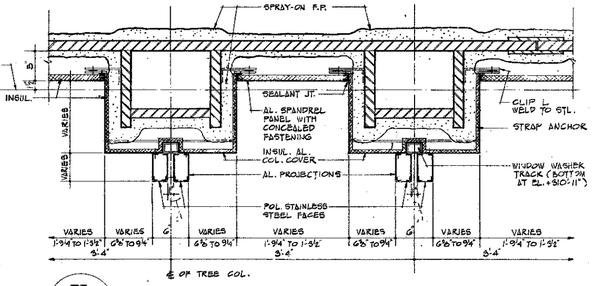


ELEVATIONS OF 7TH FLOOR LOUVER WALLS

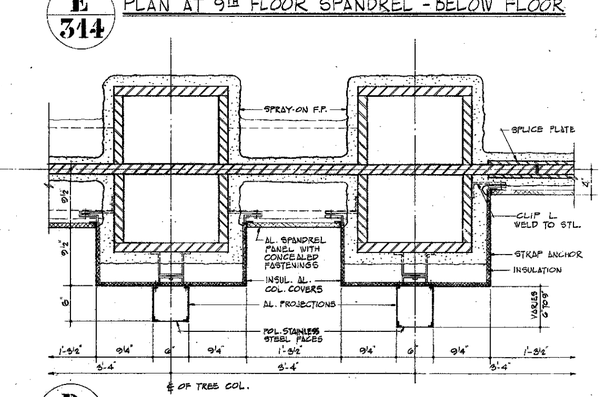
SCALE 1/8"=1'-0"

NOTE: 1. AREAS MARKED THUS ▨ ARE ACTIVE LOUVER AREAS. ALL OTHER AREAS ARE LOUVERS BACKED UP WITH INSUL. AL. PANELS

2. FOR KEY PLAN SEE DWG A-AB-316



E 314 PLAN AT 9TH FLOOR SPANDREL - BELOW FLOOR



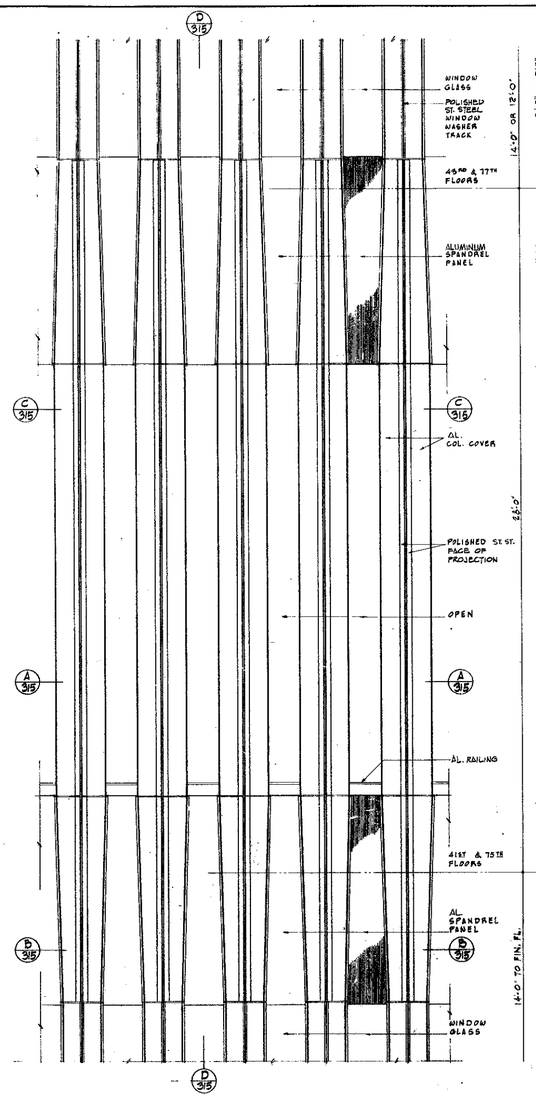
D 314 PLAN AT 7TH FLOOR SPANDREL - BELOW FLOOR

NOTE:
WORK INDICATED ON THESE DRAWINGS AS 'BY CURTAIN WALL CONTRACTOR', 'NOT BY CURTAIN WALL CONTRACTOR', 'BY STRUCTURAL CONTRACTOR', OR OTHER SIMILAR NOTES, ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS WORK.

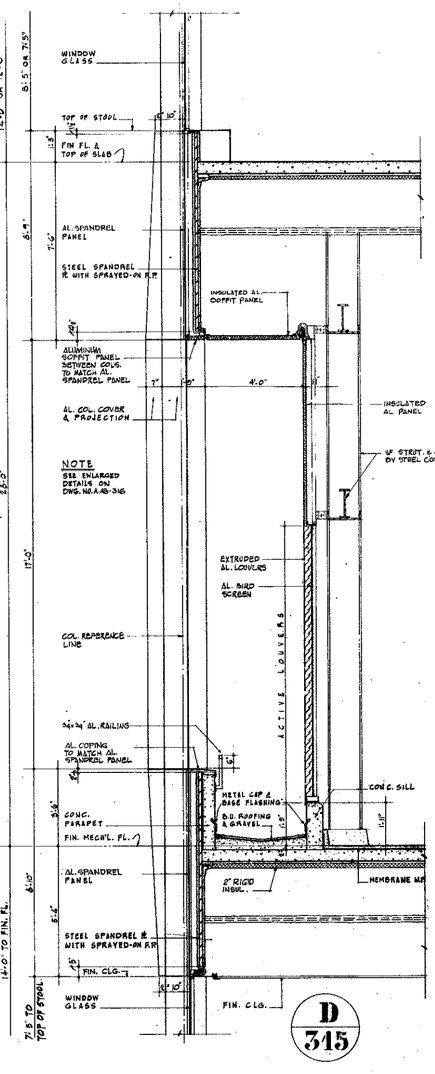
CONTRACT "BD" DRAWING # date 2-7-68 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	BUL. NO.	BY

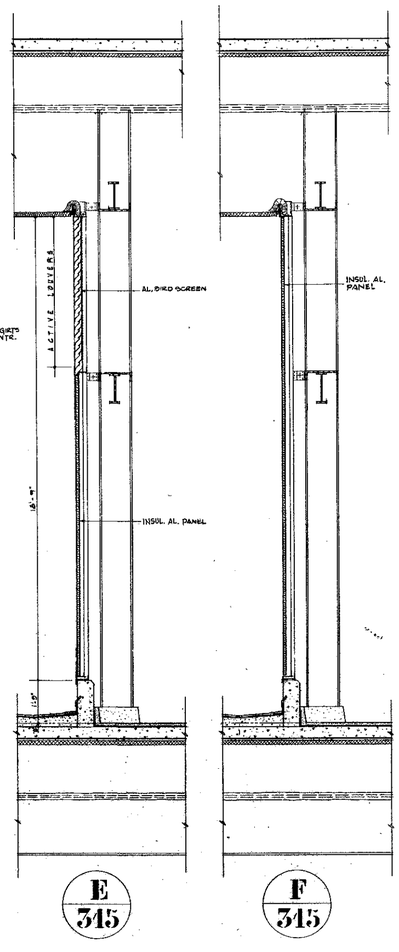
A-AB-315



EXTERIOR ELEVATION AT MECHANICAL LEVELS

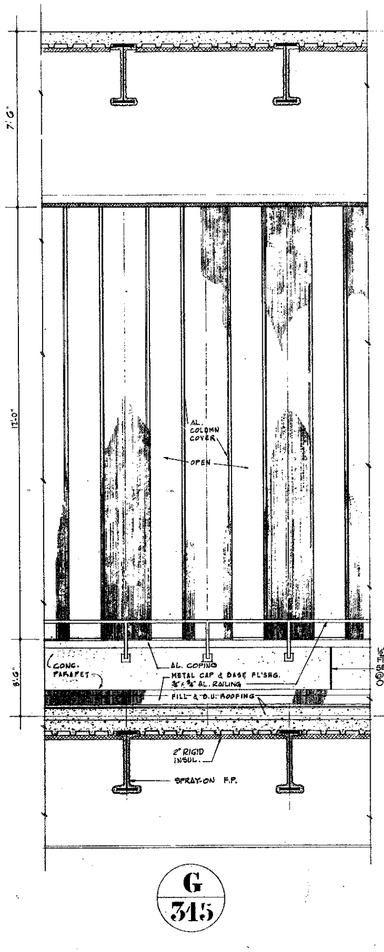


SECTION THRU INTAKE LOUVERS AND BALCONY

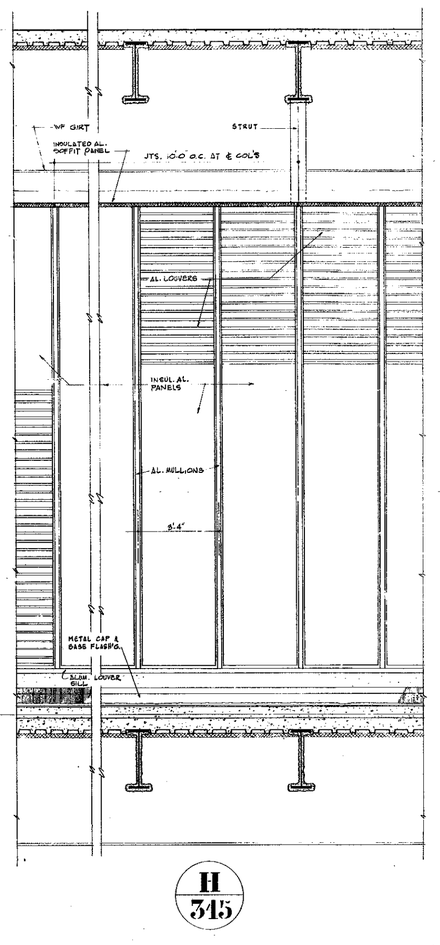


SECTION THRU EXHAUST LOUVERS

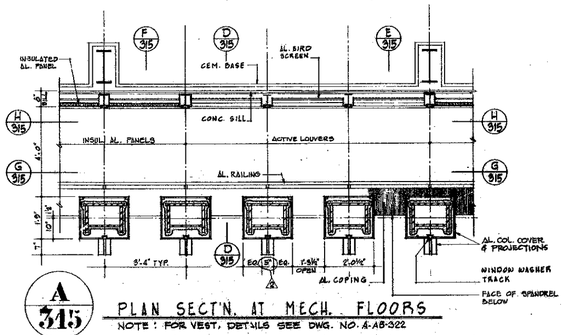
SECTION THRU INSULATED AL. PANEL



ELEVATION OF BACK OF COLUMNS



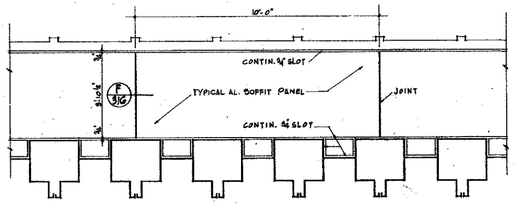
ELEVATION OF LOUVERS



A 315 PLAN SECT'N. AT MECH. FLOORS

NOTE: FOR VEST. DETAILS SEE DWG. NO. A-AB-322

B 315 PLAN SECT'N. AT SPANDREL



C 315 REFLECTED SOFFIT PLAN

NOTE
SEE ENLARGED DETAILS ON DWG. NO. A-AB-316

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," "NOT BY CURTAIN WALL CONTRACTOR," "BY STRUCTURAL CONTRACTOR," OR OTHER SIMILAR NOTES, ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS WORK.
CONTRACT BID DRAWING date 2-7-68 TOWER 'A' 3-1-68 TOWER 'B'

NO.	DATE	REVISIONS	BSL. NO.	BY
△	3-16-70	A-47	T.J.	
△	5-16-70	A-50	HB	
△	12-29-69	A-40	R.S.	

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

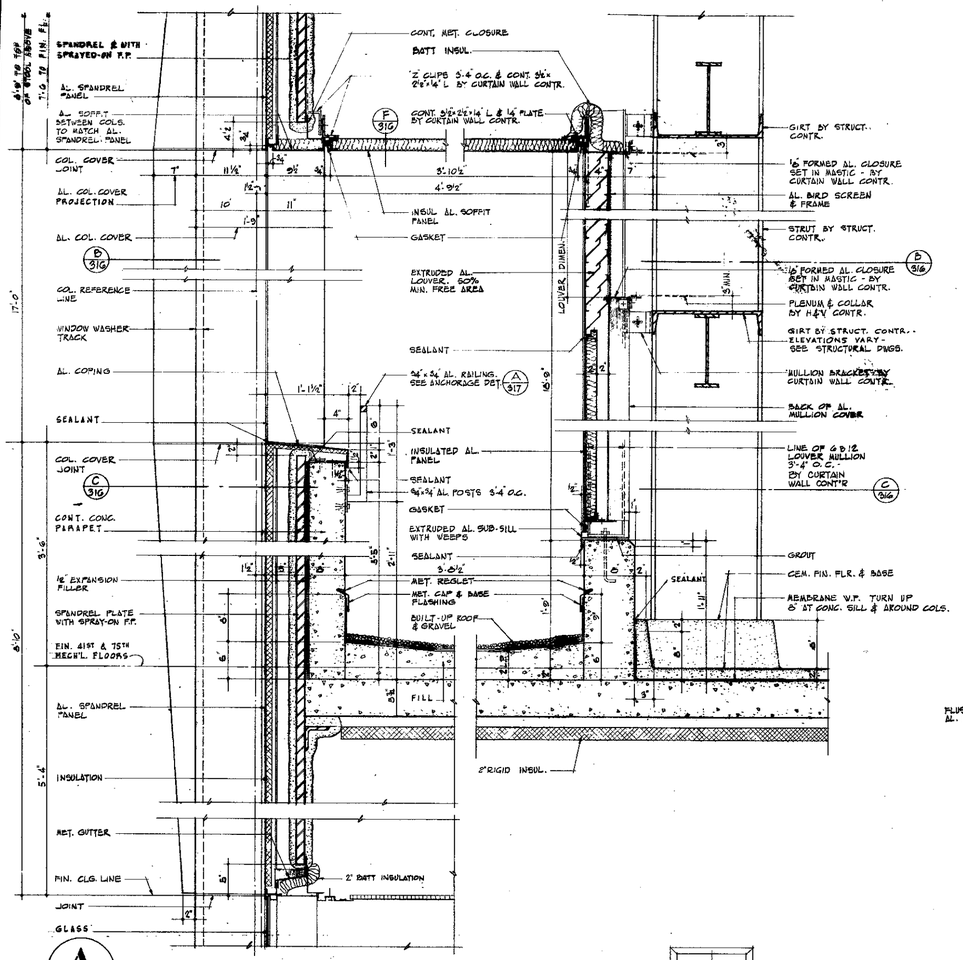
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

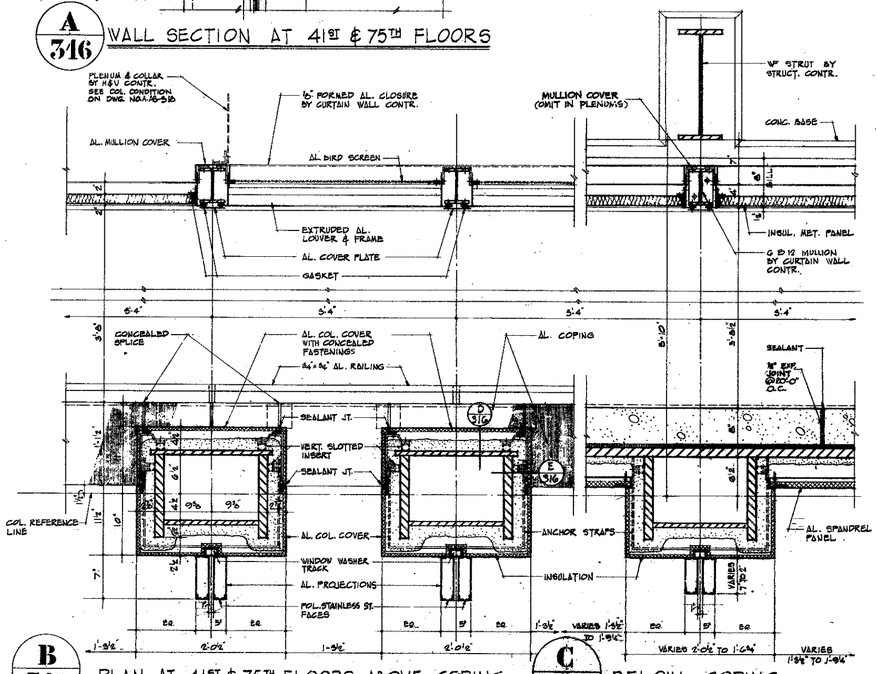
½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

TITLE: FACADE ELEVATIONS & SECTIONS AT 41ST & 75TH FLOOR MECH. LEVELS

DRAWN	C. G.	CHECKED	
SCALE	½" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-315		



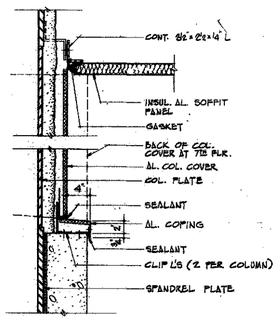
A 316 WALL SECTION AT 41ST & 75TH FLOORS



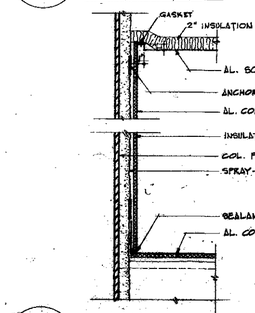
ELEVATIONS OF 41ST FLOOR LOUVER WALLS

SCALE: 1/8" = 1'-0"

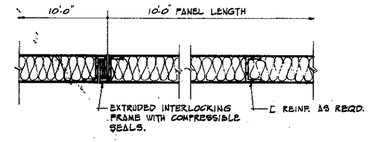
NOTE: FOR ELEVATIONS OF 75TH FLOOR - LOUVER WALLS SEE DWG. NO A-AB-317



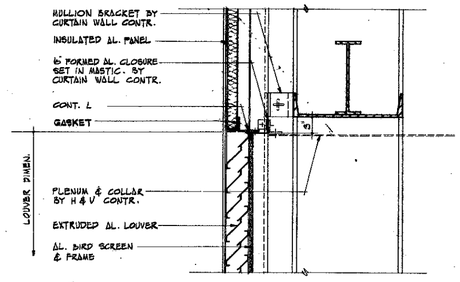
D 316 INTERIOR COL. COVER SECTION



E 316 SIDE COLUMN COVER SECTION

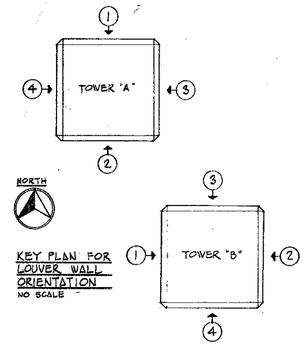


F 316 INSULATED AL. SOFFIT PANEL DETAILS



G 316 HEAD SECTION AT LOW LOUVER

NOTE: FOR SILL SECTION SEE DETAIL (A 314)



KEY PLAN FOR LOUVER WALL ORIENTATION
NO SCALE

B 316 PLAN AT 41ST & 75TH FLOORS ABOVE COPING

C 316 BELOW COPING

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

NO.	DATE	SUB. NO.	BY
7	7-10-70	A-91	J.R.
6	3-22-71	A-100	L.F.B.
5	11-6-70	A-96	W.M.
4	5-14-70	A-97	T.J.
3	5-15-70	A-90	H.B.
2	3-27-69	A-60	F.A.
1	7-31-68		M.M.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

CONTRACT BID DRAWING date 2-9-68 Tower 'A' 8-1-68 Tower 'B'

1/8"-1'-0" 0 4' 8' 16' 24
1½"-1'-0" 0 3' 6" 1' 2'

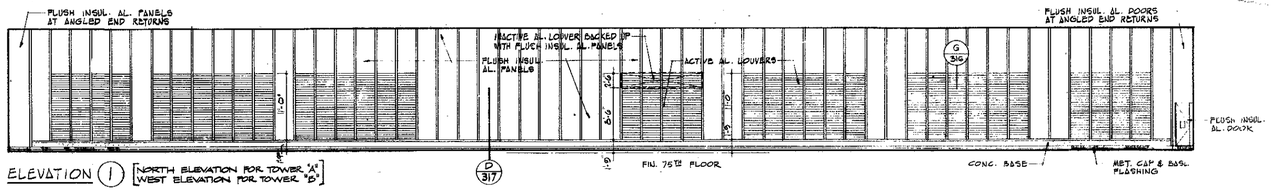
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

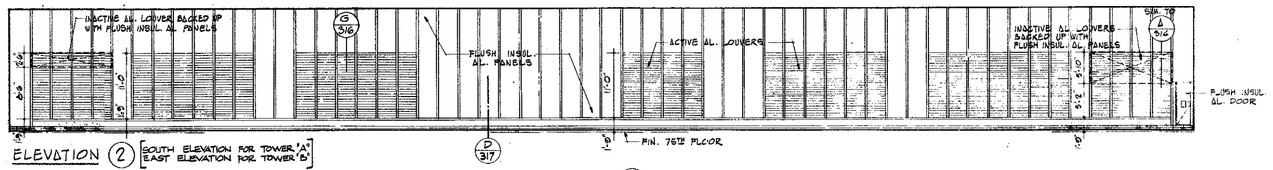
TITLE: DETAILS OF FACADE & LOUVERS AT 41ST & 75TH FLOOR MECH. LEVELS

DRAWN	A.C.	CHECKED	
SCALE	1/8" = 1'-0" 1½" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-316		

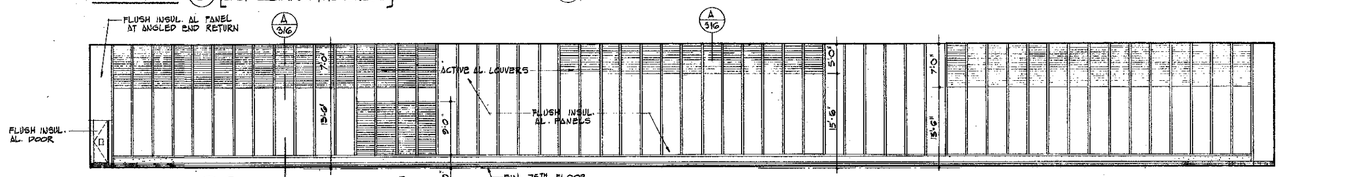
A-AB-317



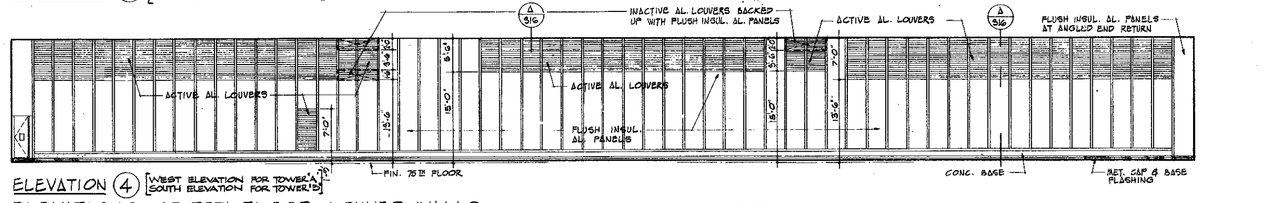
ELEVATION (1) [NORTH ELEVATION FOR TOWER 'A' / WEST ELEVATION FOR TOWER 'B']



ELEVATION (2) [SOUTH ELEVATION FOR TOWER 'A' / EAST ELEVATION FOR TOWER 'B']



ELEVATION (3) [EAST ELEVATION FOR TOWER 'A' / NORTH ELEVATION FOR TOWER 'B']

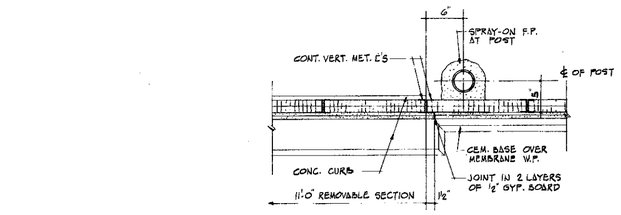


ELEVATION (4) [WEST ELEVATION FOR TOWER 'A' / SOUTH ELEVATION FOR TOWER 'B']

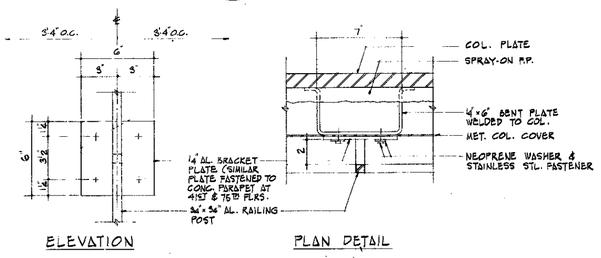
ELEVATIONS OF 75TH FLOOR LOUVER WALLS

SCALE: 1/8"=1'-0"

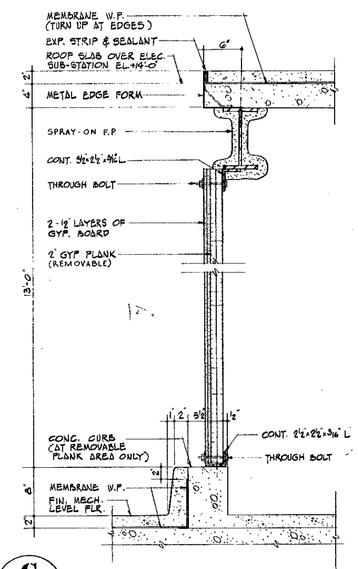
NOTE: FOR KEY PLAN SEE DWG. Nº A-AB-316



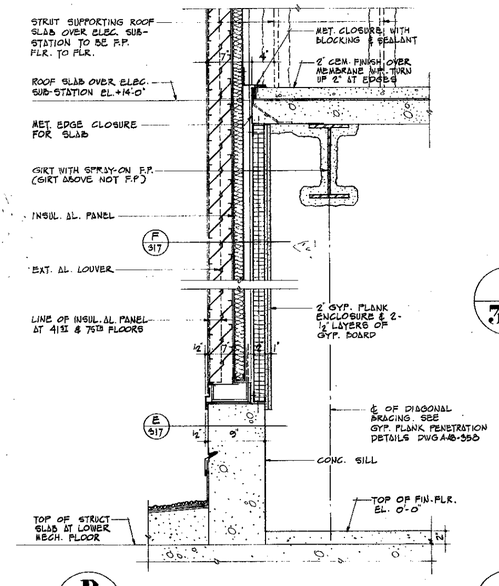
B/317 EDGE DETAIL AT REMOVABLE SECTION OF WALL AT ELECTRIC SUB-STATION



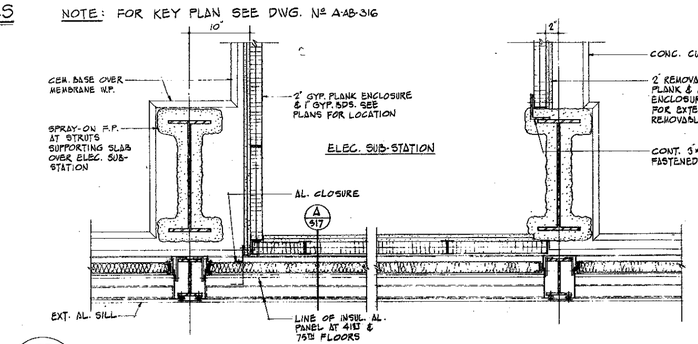
A/317 MECHANICAL FLOOR RAILING ANCHORAGE DETAILS



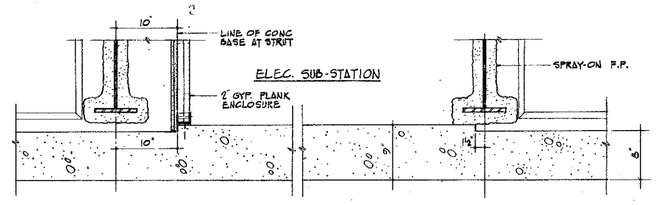
C/317 INTERIOR WALL SECTION AT ELEC. SUB-STATION (CUT THROUGH REMOVABLE SECTION)



D/317 EXTERIOR WALL SECTION AT ELEC. SUB-STATION (7TH & 108TH FLOORS SHOWN. 41ST & 75TH FLRS. SIMILAR.)



F/317 PLAN AT ELEC. SUB-STATION (ABOVE AL. SILL)



E/317 PLAN AT ELEC. SUB-STATION (ABOVE AL. SILL)

3/8"=1'-0" 0 4 8 16 24

3/16"=1'-0" 0 3" 6" 1' 2'

NOTE: WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR", "NOT BY CURTAIN WALL CONTRACTOR", "BY STRUCTURAL CONTRACTOR", OR OTHER SIMILAR NOTES ARE FOR CLARIFICATION ONLY, AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTOR'S WORK

CONTRACT BID DRAWING date 2-2-68 TOWER 'A' 3-1-68 TOWER 'B'

NO.	DATE	REVISION NO.	BY
2	5-16-70	A-60	T.J.
1	3-21-68	M-W.	

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 035 972

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

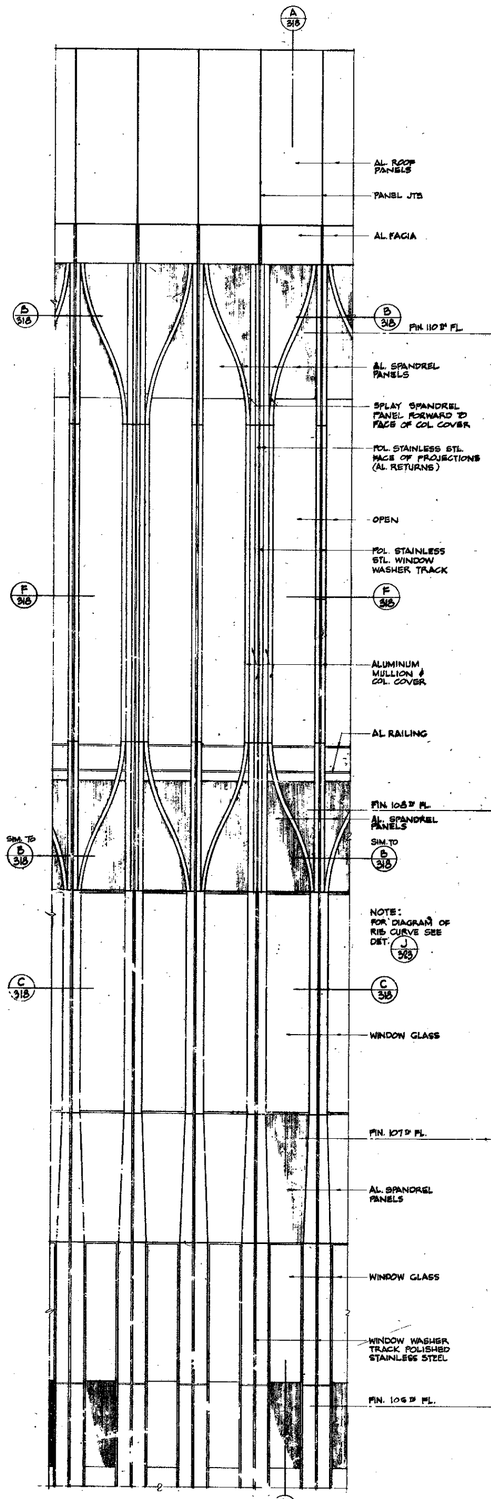
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

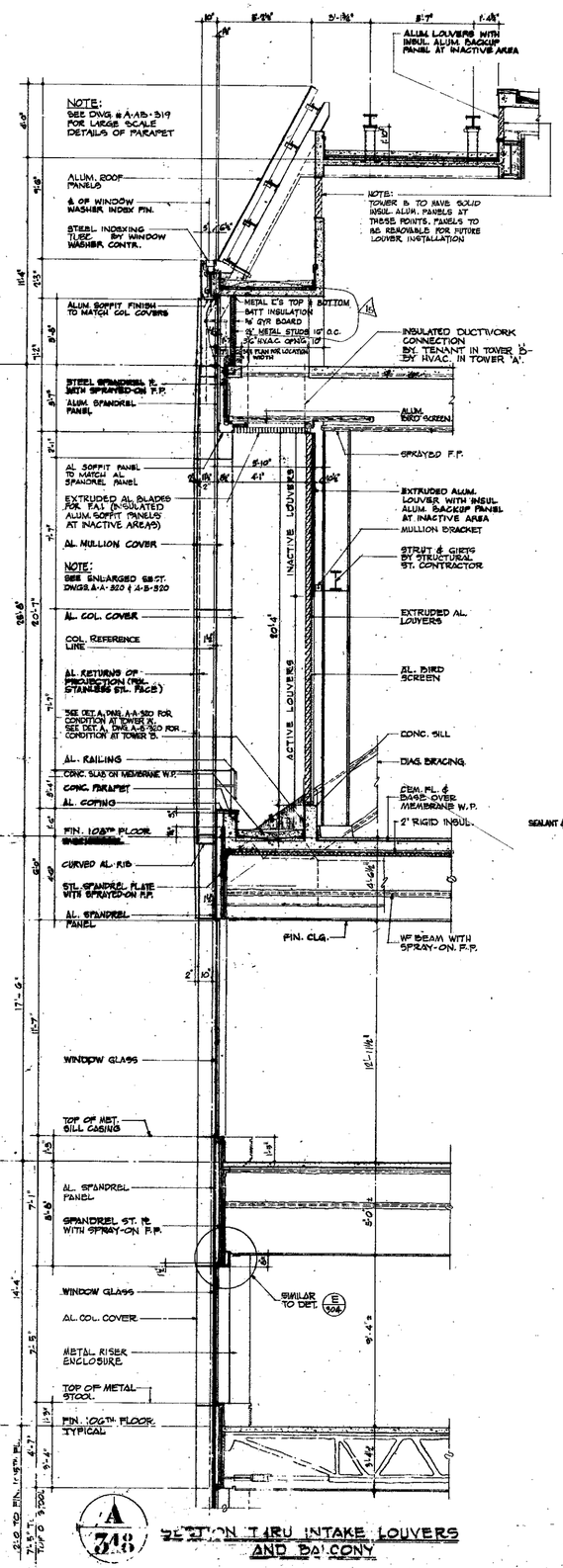
TITLE: MISCELLANEOUS MECH. LEVEL DETAILS

DRAWN	A.C.	CHECKED	
SCALE	1/8"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-317		

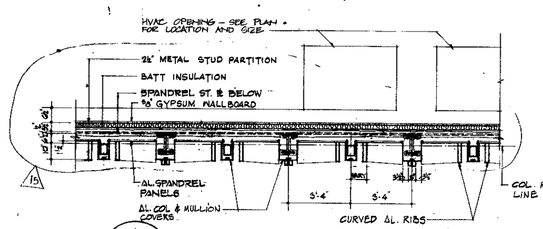
A-AB-318



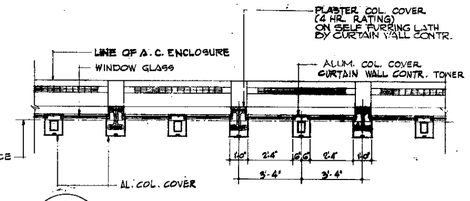
EXTERIOR ELEVATION AT CROWN



A 318 SECTION THRU INTAKE LOUVERS AND BALCONY

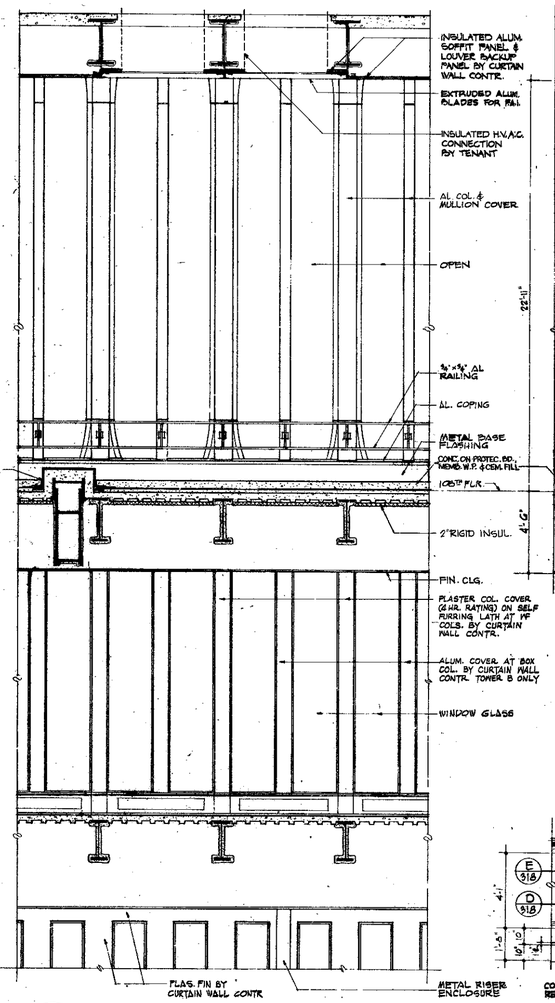


B 318 PLAN SECTION THRU SPANDREL ABOVE FIN. 110TH FLOOR

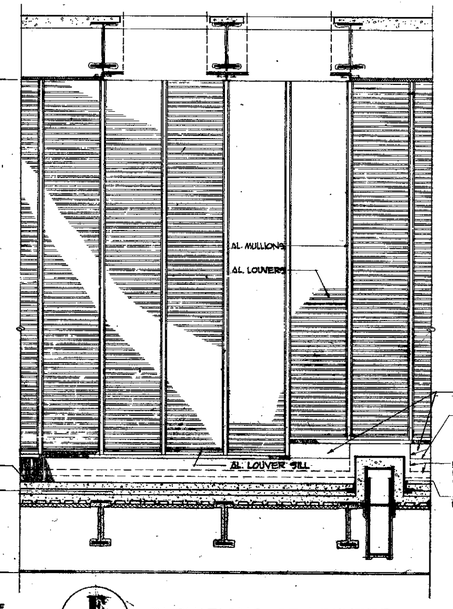


C 318 PLAN SECTION AT 107TH FLOOR

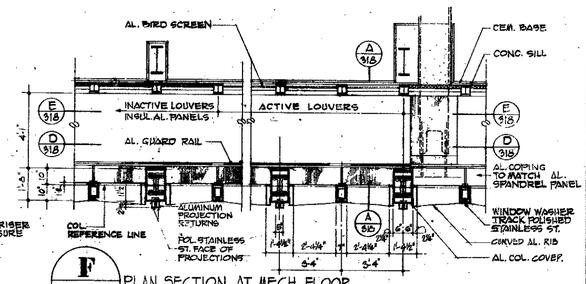
NOTE: SEE ENLARGED SECTIONS ON DWGS. A-A-320 & A-B-320



D 318 ELEVATION OF BACK OF COLUMNS



E 318 ELEVATIONS OF LOUVERS



F 318 PLAN SECTION AT MECH. FLOOR

NOTE: SEE ENLARGED SECTION, SEE DETAILS B & C DETAILS OF LOUVER WALL SIM. TO C 318

CONTRACT BID DRAWING - date 2-9-66 Tower 'A' 3-1-68 Tower 'B'

REVISIONS

REGISTERED ARCHITECT — PROFESSIONAL ENGINEER — LAND SURVEYOR — STATE OF NEW YORK

APPROVED

DEP. PLANT & OPS. MGR.

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & MCKENZIE
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTH., CITY PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATIONS & SECTIONS AT CROWN

DRAWN	H.S.	CHECKED	
SCALE	3/8" = 1'-0"	DATE	7-31-68
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-318		

AAB-319

NOTE: FOR SPECIFICATION OF WATER-PROOFING OF INCLINED COLUMNS AT CROWN SEE SHEET № 2 OF BULLETIN A-364 / B-254

COL. REFERENCE LINE
TOP OF CONC. COL. F.P.
CONC. CURB (FOR DETAILS OF EXP. JT. SEE DWG. A-AB-324)
TOP OF SLAB - EL. +1668'-10" AT TOWER A, EL. +1668'-10" AT TOWER B
ALUM. ROOF PANELS
ALUM. LOUVERS WITH BIRDSCREEN, OR 2" INSUL. ALUM. PANELS. SEE PLAN FOR LOCATION (PROVIDE SOLID INSUL. ALUM. PANELS IN TOWER B. PANELS TO BE REMOVABLE FOR FUTURE LOUVER INSTALLATION)
CHANNEL GIRTS (SEE STRUCT. DWGS.)
INCLINED WF COLUMNS @ 6'-8" O.C. (SEE STRUCT. DWGS.)
℄ OF WINDOW WASHER INDEX PIN
℄ OF 4"x6" STL. INDEXING TUBE BY WINDOW WASHER CONTRACTOR
ST. STL. FLASHING BY ROOFING CONTRACTOR
TREATED WD. NAILER
ALUM. FASCIA FINISH TO MATCH COL. COVER
COPPER FLASHING
ALUM. RIB WITH ST. STL. FACE
ALUM. SOFFIT PANEL FINISH TO MATCH COL. COVER
ALUM. COL. COVER
ALUM. SPANDREL PANEL
WF COLUMNS @ 6'-8" O.C.
11'-4" TO FIN. 110TH FL.
7'-2" TO SOFFIT
8'-7" TO FIN. 110TH FL.
COL. WATER-PROOFING
COL. WATER-PROOFING - SEE NOTES AT LEFT
COPPER FLASHING
CONT. TREATED WOOD NAILER
PLENUM (SEE H.V.A.C. DWGS.)
CLIP L
ROPE AND SEALANT
CONCRETE FIREPROOFING ON INCLINED COLUMN
COPPER FLASHING AND DRAW BAND AT COL. SET FLASHING IN SEALANT. WELD 3/16" ℇ AROUND CLIP L TO MAKE FLUSH SURFACE, STRIP INTO MEMBRANE W.P.
ROOF DRAIN
BOTTOM OF EXP. JT. IN CONC. (SEE STRUCT. DWGS.)
MET. REGLET WITH LEAD CAULKING
COPPER CAP & BASE FLASHING
RIGID INSULATION
CONCRETE FILL
½" EXPANSION JOINT FILLER (SEALANT OVER)
PLENUM (SEE H.V.A.C. DWGS)
CONT. TREATED WOOD NAILER
MEMBRANE W.P.
PROTECTION BOARD
RIGID INSULATION
CEMENT FILL, PITCH TO DRAIN
CONCRETE SLAB OVER H.V.A.C. OPNG.
METAL EDGE TRIM
METAL E RUNNERS AT TOP & BOTTOM
SECTION AT WINDOW WASHER AREA
½" GYPSUM WALLBOARD
METAL STUDS @ O.C.
BATT INSULATION
TOWER A EL. +1668'-10" / TOWER B EL. +1668'-10"
4'-0" / 5'-10½" TOWER B
4'-5" / 5'-10½" TOWER A
8'-10½" H.V.A.C. OPNG.

A/319 TYPICAL VERTICAL SECTION AT ROOF PARAPET

5'-7"
1'-4⅝"
1'-0"
6" ALUM. COPING OVER FABRIC FLASHING
CONT. TREATED WOOD BLOCKING
ANCHOR BOLTS, STAGGER 3'-0" O.C.
ROPE AND SEALANT
℄ OF WINDOW WASHER TRACK
8"WF31 WINDOW WASHER TRACK
PIPE SUPPORT, SEE STRUCT. DWGS.
W.P. DRAW BAND, SET FLASHING IN SEALANT
ROPE AND SEALANT
COPPER FLASHING
ROOF DRAIN
½" FOAM PIPE INSUL. AROUND PIPE SUPPORTS. SEALANT AT TOP
SCREED CONT. 1" AT H.P. 0" AT L.P.
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
½" EXPANSION JOINT
RIGID INSULATION
TOP OF CONCRETE CURB EL. +1672'-11"
CONCRETE FILL
TOP OF SLAB H.P. EL. +1672'-3"
PROTECTION BOARD
MEMBRANE W.P.
CEMENT CANT
FABRIC FLASHING
CONT. TREATED WOOD NAILER
PLENUM (SEE H.V.A.C. DWGS.)
ALUM. LOUVERS WITH BIRDSCREEN
TOP OF CONC. FILL H.P. EL. +1669'-4" L.P. EL. +1669'-3"
½" EXPANSION JOINT
COPPER FLASHING
CONT. TREATED WOOD NAILER
RIGID INSULATION

B/319 TYPICAL VERTICAL SECTION AT TOWER 'A' AT INTERIOR CURB THRU LOUVERS
FOR BASE CONDITION BETWEEN LOUVERS, SEE DETAIL H/319
FOR CONDITION AT TOWER 'B', SEE DETAIL D/B356

5'-2½" TO COL. REF. LINE
1'-3½"
℄ OF WINDOW WASHER TRACK SUPPORT
NEW RAISED CONC. CURB
¾" x ½" ø STL. DOWELS, 1'-6" O.C.
PREVIOUS CURB LEVEL
ALUM. ROOF PANELS
WINDOW WASHER TRACK AND BUMPER
PIPE SUPPORT SEE STRUCT. DWGS.
DRAW BAND, SET FLASHING IN SEALANT
SEALANT COPPER FLASHING
½" EXPANSION JOINT
TOP OF SLAB
COL. WATER-PROOFING
CONT. TREATED WOOD NAILER
SCREED CONT. 1"AT H.P. 0" AT L.P.
INCLINED WF COLUMNS @ 6'-8" O.C.
4'-0" TO TOP OF FASCIA
9'-6" TO TOP OF PARAPET
1'-4" TO FIN. 110TH FL.
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.

C/319 PARAPET AT TURNTABLE AREA

ALUM. COPING
8'-4" x 4" x ½" L
WINDOW WASHER TRACK
OPP. HAND
W.P. DRAW BAND, SET FLASHING IN SEALANT
WINDOW WASHER TRANSFER UNIT OPENING
MET. REGLET WITH LEAD CAULKING
COPPER CAP & BASE FLASHING
PIPE SUPPORT SEE STRUCT. DWGS.
½" EXPANSION JOINT & SEALANT
½" FOAM PIPE INSUL. AROUND PIPE SUPPORTS. SEALANT AT SURFACE OF CONC. FILL
CONT. TREATED WOOD NAILER
5'-2½" TO COL. REF. LINE
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
SCREED CONT. 1" AT H.P. 0" AT L.P.

D/319 SECTION AT CURB OF WINDOW WASHER OPENING

5'-2½" TO COL. REF. LINE
ALUM. ROOF PANELS
TOP OF CURB BEYOND
COL. WATERPROOFING - CARRIED ALL ROUND UPSTANDING STL. T
CONC. FILL
RIGID INSULATION
PROTECTION BOARD
MEMBRANE W.P.
COPPER FLASHING
½" EXPANSION JOINT TOP OF SLAB
CONT. TREATED WOOD NAILER
SCREED CONT. 1" AT H.P. 0" AT L.P.
COL. WATERPROOFING
4'-0" TO TOP OF FASCIA
9'-6" TO TOP OF PARAPET
11'-4" TO FIN. 110TH FL.

E/319 PARAPET AT SETBACK RETURN

ROPE & SEALANT
6" PVC WATERSTOP (EXTEND 4" BEYOND BOTTOM OF JOINT)
6" CONC. WALL

K/319 EXP. JOINT AT CONC. WALL
SCALE: 3"=1'-0"

4'-10" TO COL. REFERENCE LINE
8'
2'-10¼"
5'-7"
1'-5¾"
TURNTABLE AREA
CONC. CURB
ALUM. ROOF PANELS
LINE OF WINDOW WASHER TRACK AND BUMPER
1'-5¾"
6" (TYP.)
COL. WATER-PROOFING SEE NOTE DET. A
SEALANT OVER ½" EXP. JT. FILLER
10⅛"x3⅜" STL. TUBE TRACK SUPPORTS (SEE STRUCT. DWGS.)
CHANNEL GIRT
H.P. OF ROOF PANEL ABOVE
COL. WATER-PROOFING
6" (TYP.)
4¼"
11'-0"
6'-0"
SLOPE CURB DN.
TOP OF CURB H.P. (+1674') L.P. (+1667')
COL. WATER-PROOFING SEE NOTE DET. A
1'-8½"
8'-4"
3'-4" PANELS TYPICAL

G/319 TYPICAL PLAN SECTIONS

8'
GRAB BAR, OPP. HAND
D/319
SLOPE CURB DN.
WINDOW WASHER OPENING
TOP OF CURB H.P. (+1674') L.P. (+1667')
TOP OF CURB (+1674')
5'-9" TO ℄ COL. REF. LINE
J/319

J/319 PARAPET AT WINDOW WASHER OPENING

5'-6" ABOVE ROOF AT TRACK LEVEL
LINE OF CHAIN
5"x 8"x ½" L ABOVE CURB EACH SIDE OF ELEV. WELL
PLATE SHIM AS REQ'D. TO CLEAR ALUM.
¾" ø BOLTS
LINE OF CHAIN
F/319
7"
WINDOW WASHER TRANSFER UNIT WELL OPENING
COL. WATER PROOFING
TOP OF SLAB ELEV. AT TOWER A 1668'-10" ELEV. AT TOWER B 1662'-10"
SIM. TO D/319
5'-2" TO COL. REF. LINE

ALUM. LOUVERS WITH BIRDSCREEN
ROPE AND SEALANT
LINE OF DUCT
RIGID INSULATION
1'-3"
3" x 3" x ¼" L
5'-8" OPENING

G/319 TYP. JAMB AT INTERIOR CURB

CONC. FILL
RIGID INSULATION
PROTECTION BOARD
COPPER CAP & BASE FLASHING
MET. REGLET WITH LEAD CAULKING
1'-3"
1'-2"
8"
TOP OF SLAB EL. +1668'-10"
MEMBRANE W.P.
SCREED COAT 0" AT L.P.
CONT. TREATED WOOD NAILER

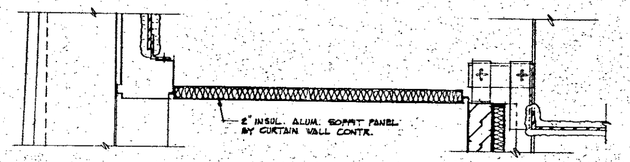
H/319 INTERIOR CURB BET. LOUVERS

REVISIONS	BY	APP'D
1 5-20-76		L.J.
2 6-15-76		L.J.
3 8-23-76		D.K.
4 9-10-76		D.K.
5 11-5-76		D.K.
6 7-6-77		D.K.
7 7-7-77		D.K.
8 7-8-77		D.K.

BULLETIN 302 USED AS IN PROCESS OF COMPLETION.

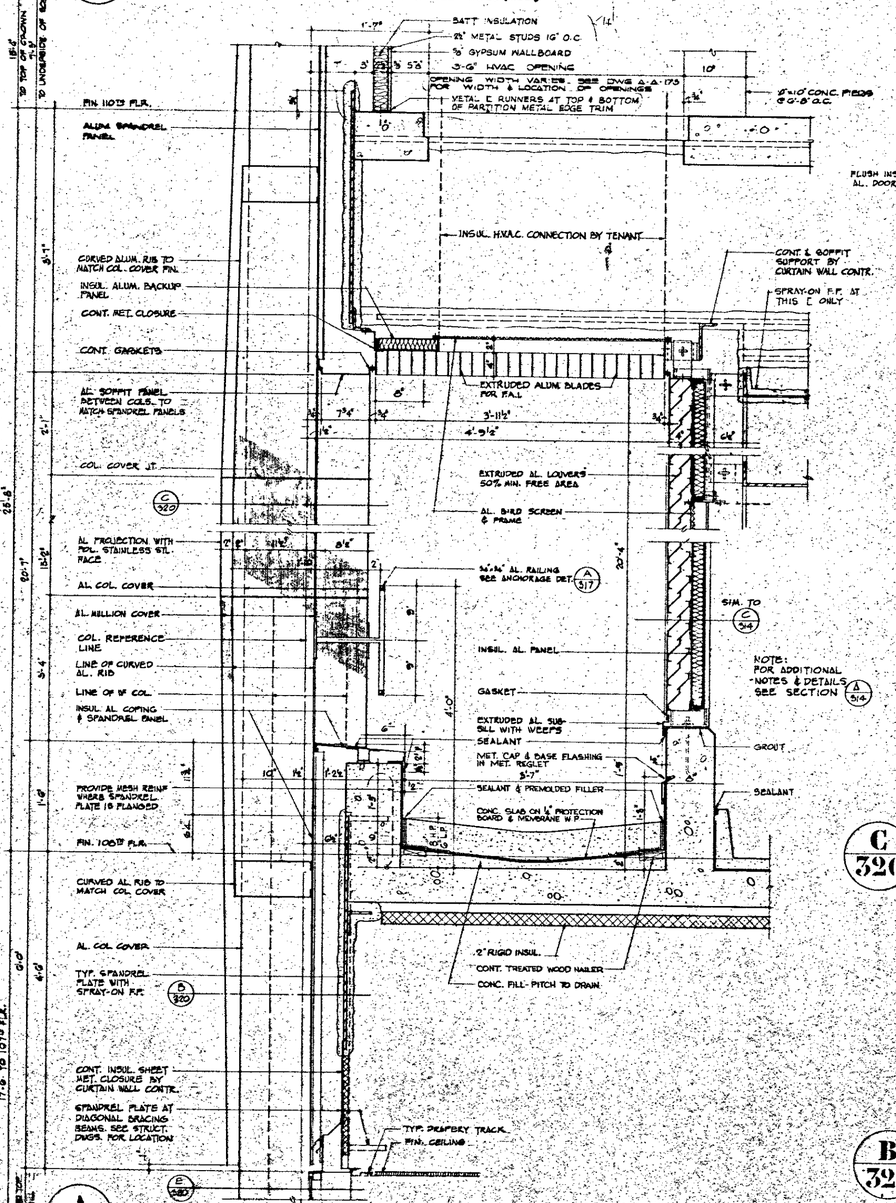
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES, ARCHITECT
EMERY ROTH & SONS, ARCHITECT
JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS
SEVERUD ASSOCIATES, STRUCTURAL ENGINEERS
PORT AUTHORITY OF NEW YORK & NEW JERSEY, BUILDING DEVELOPMENT DEPARTMENT

TITLE: CROWN DETAILS
DRAWN: G.M. / R.J.
APPROVED:
SCALE: AS NOTED
DATE: 9-1-76
PROJECT NO.
DRAWING NO. A-AB-319

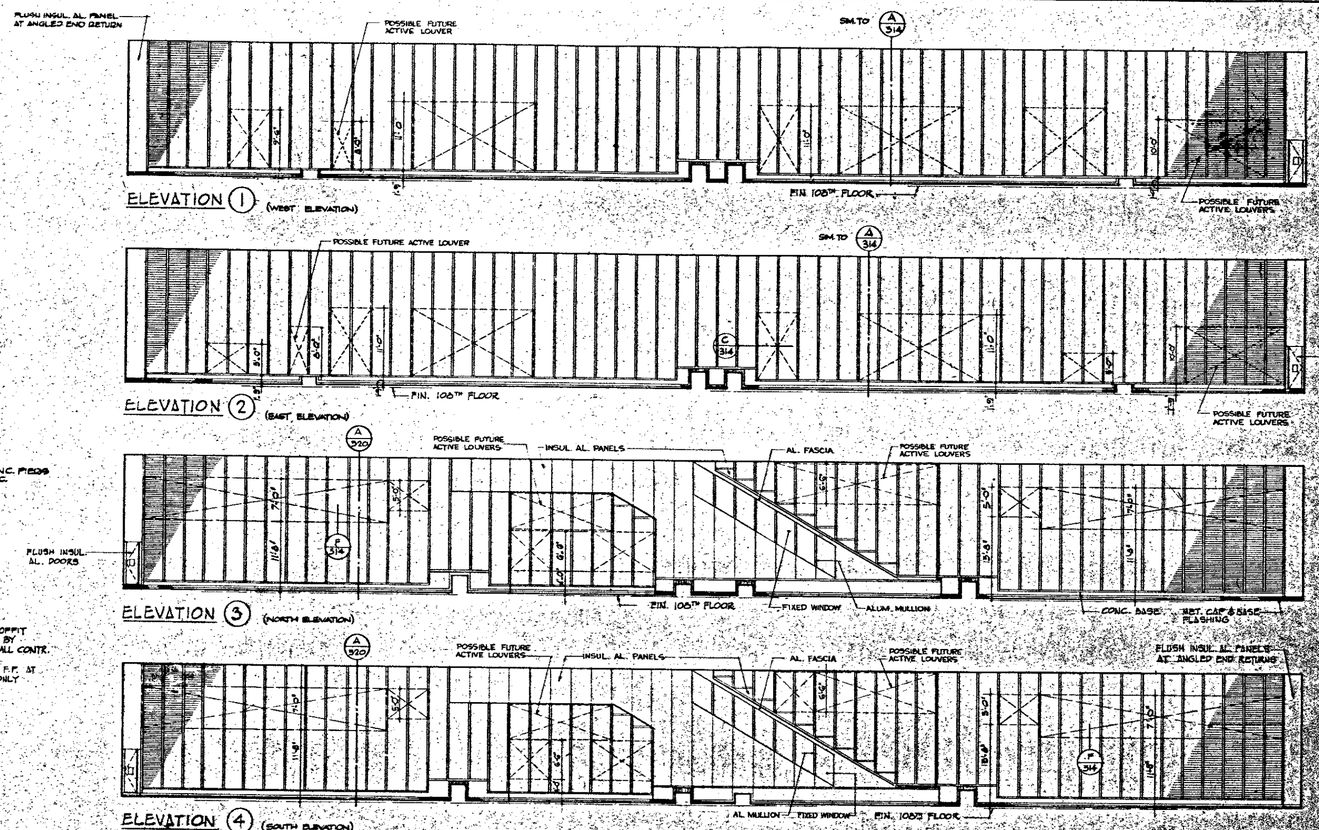


F/320 SECTION AT SOFFIT BETWEEN LOUVER AREAS

(CUT AT AREA OF SHALLOW BEAMS AT 110TH FLR. SEE STRUCT. DWGS.)



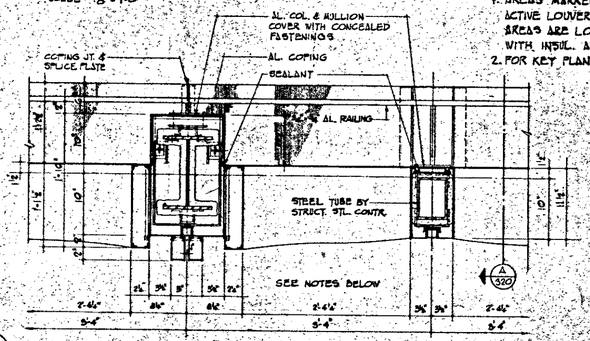
A/320 SECTION AT 108TH FLOOR & ROOF



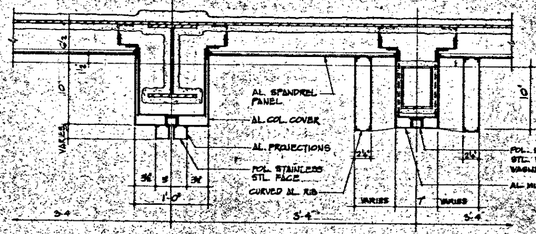
ELEVATIONS OF 108TH FLOOR LOUVER WALLS

SCALE: 1/8" = 1'-0"

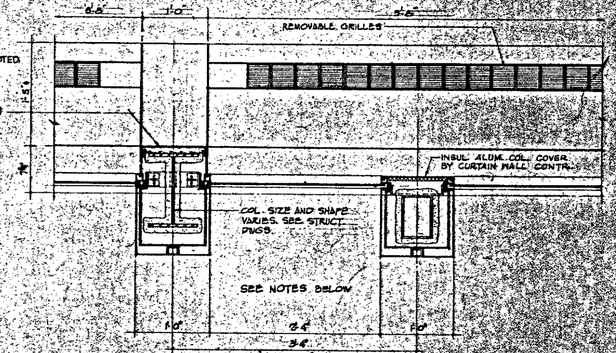
NOTE:
1. AREAS MARKED THUS: [X] ARE ACTIVE LOUVER AREAS. ALL OTHER AREAS ARE LOUVERS BACKED UP WITH INSUL. AL. PANELS, EXCEPT AS NOTED.
2. FOR KEY PLAN SEE DWG. No A-1D-316



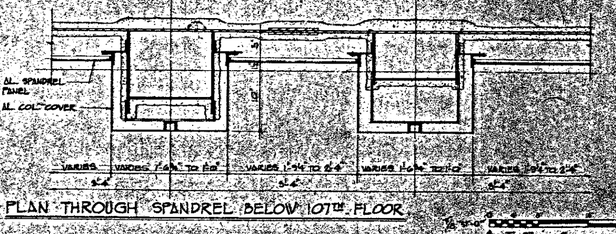
C/320 PLAN ABOVE SPANDREL AT 108TH FLOOR



B/320 PLAN THROUGH SPANDREL AT BELOW 108TH FLR.



E/320 PLAN ABOVE SPANDREL AT 107TH FLOOR



D/320 PLAN THROUGH SPANDREL BELOW 107TH FLOOR

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," NOT BY CURTAIN WALL CONTRACTOR / BY STRUCTURAL CONTRACTOR," OR OTHER SIMILAR NOTES, ARE, FOR CLARIFICATION PURPOSES ONLY AND ARE NOT TO BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS WORK.

NO.	DATE	DWG. NO.	BY
1	24-11	A-97	S.D.
2	31-11-71	A-97	Q.A.
3	11-6-70	A-97	Q.A.
4	9-11-70	A-97	H.S.
5	7-15-70	A-97	H.D.
6	5-26-70	A-97	T.J.
7	5-26-70	A-90	H.S.
8	4-24-68	A-92	R.K.
9	4-22-68	A-1	I.S.
10	5-21-68	1A-	N.M.

REVISIONS

NO.	DATE	DWG. NO.	BY
CONTRACT NO.		DRAWING DATE 3-1-68	
1	1-10-68	A-155	L.J.
2	1-15-68	A-155	L.J.
3	2-28-68	A-155	L.J.
4	5-8-68	A-155	S.D.
5	2-2-68	A-155	S.D.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

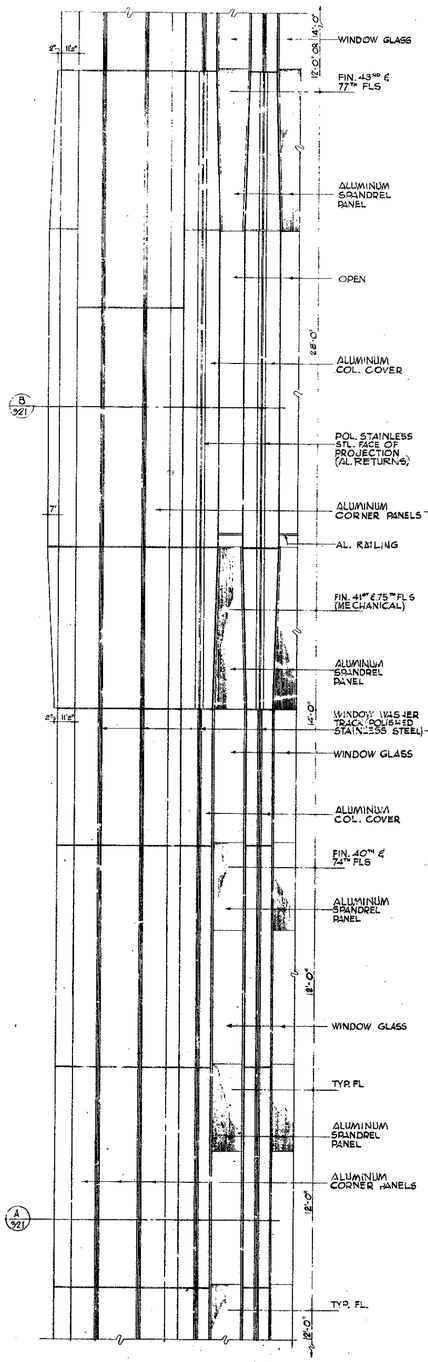
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CROWN DETAILS

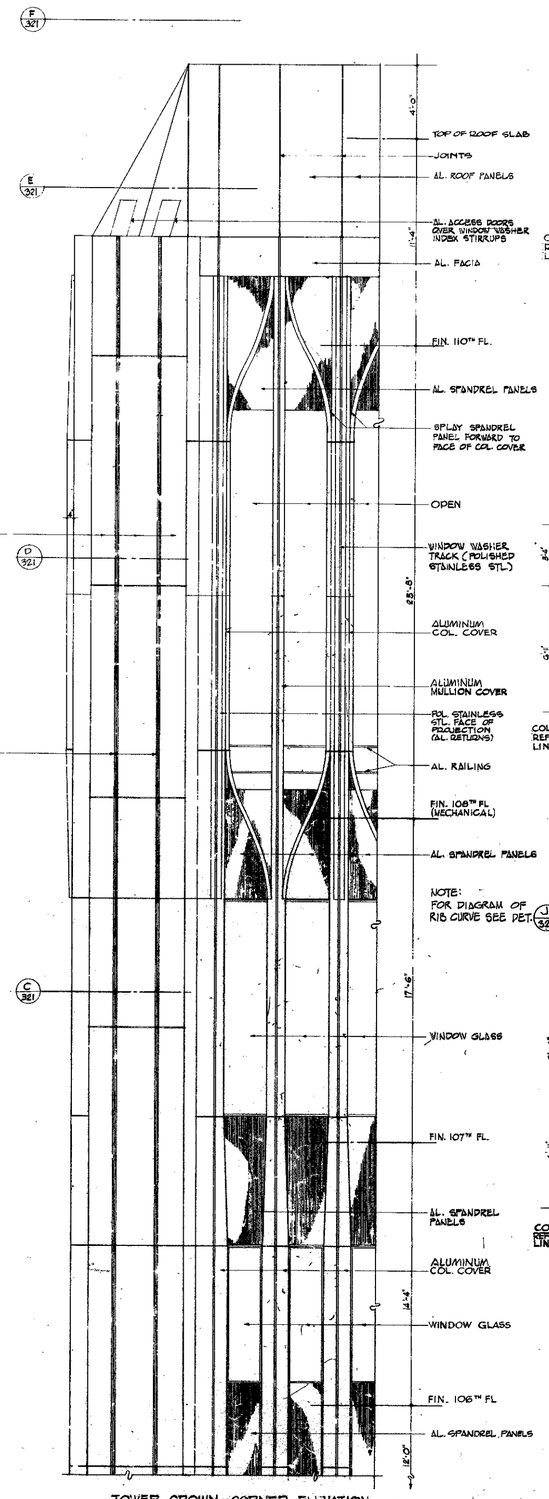
DRAWN	AGC & HB	CHECKED	
SCALE	As noted	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-320		

Folder AAB Series

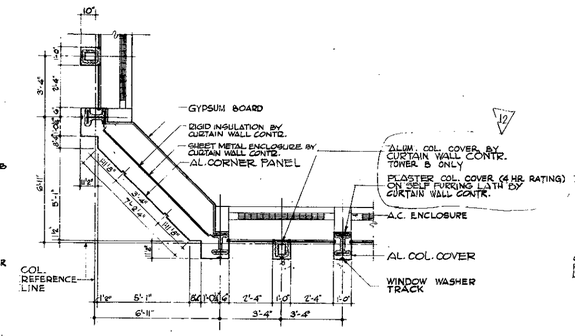
A-AB-321



ELEVATIONS OF TYP. CORNER @ OF 41ST & 71ST MECH. FLOOR

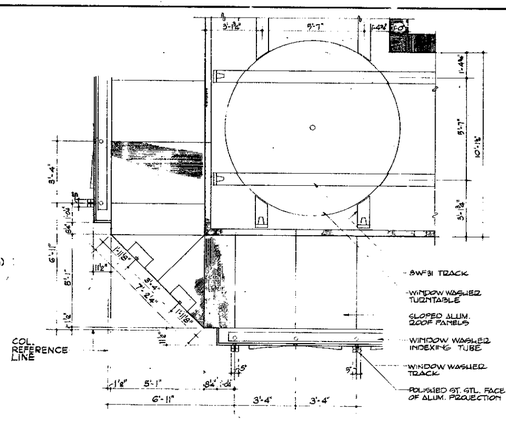


TOWER CROWN CORNER ELEVATION



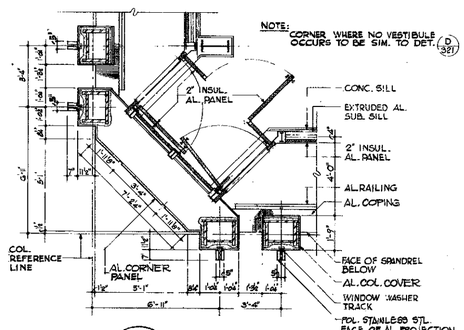
C/321 PLAN AT 107TH FLOOR CORNER

NOTE: SEE DWG. Nº A-AB-312 & 323 FOR SIM. LARGE SCALE DETAILS



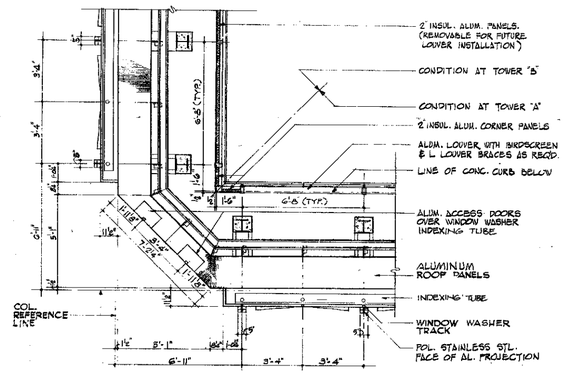
F/321 PLAN ABOVE ROOF CORNER

NOTE: SEE DWG. Nº A-AB-323 FOR LARGE SCALE DETAILS



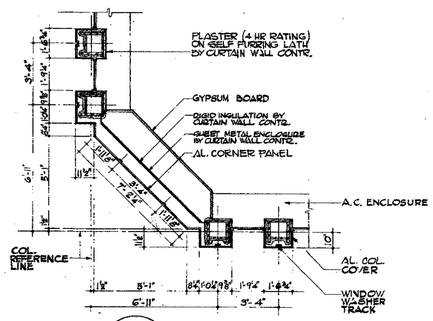
B/321 PLAN AT 41ST & 75TH MECH. FLOOR CORNER

NOTE: SEE DWG. Nº A-AB-322 FOR LARGE SCALE DETAILS



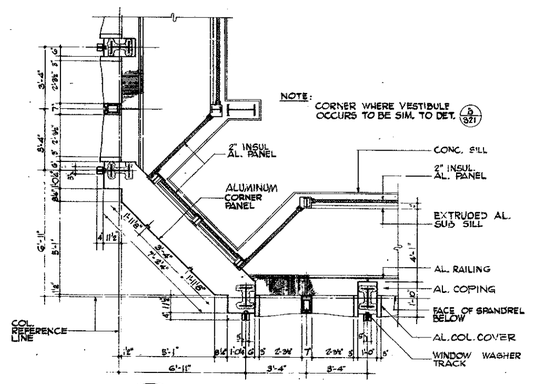
E/321 PLAN THROUGH ROOF PANELS AT CORNER

NOTE: SEE DWG. Nº A-AB-323 LARGE SCALE DETAILS



A/321 TYP. CORNER PLAN

NOTE: SEE DWG. Nº A-AB-312 FOR LARGE SCALE DETAILS



D/321 PLAN AT 108TH MECH. FLOOR CORNER

NOTE: SEE DWG. Nº A-AB-323 FOR LARGE SCALE DETAILS

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 2-9-68 Towers "A"	3-1-68 Towers "B"
10-26-70	A-504	A-AB	CSC	
7-6-72	A-505	A-AB	CSC	
1-22-74	A-506	A-AB	CSC	
10-11-71	A-507	A-AB	R.A.	
8-6-70	A-508	A-AB	R.A.	
9-11-70	A-509	A-AB	R.A.	
9-11-70	A-510	A-AB	R.A.	
9-26-70	A-511	A-AB	R.A.	
9-29-70	A-512	A-AB	R.A.	
4-22-68	A-513	A-AB	L.J.	

NO.	DATE	REVISIONS	BUL. NO.	BY
6	10-15-74		5-281	L.J.
5	11-19-72		5-218	A.C.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

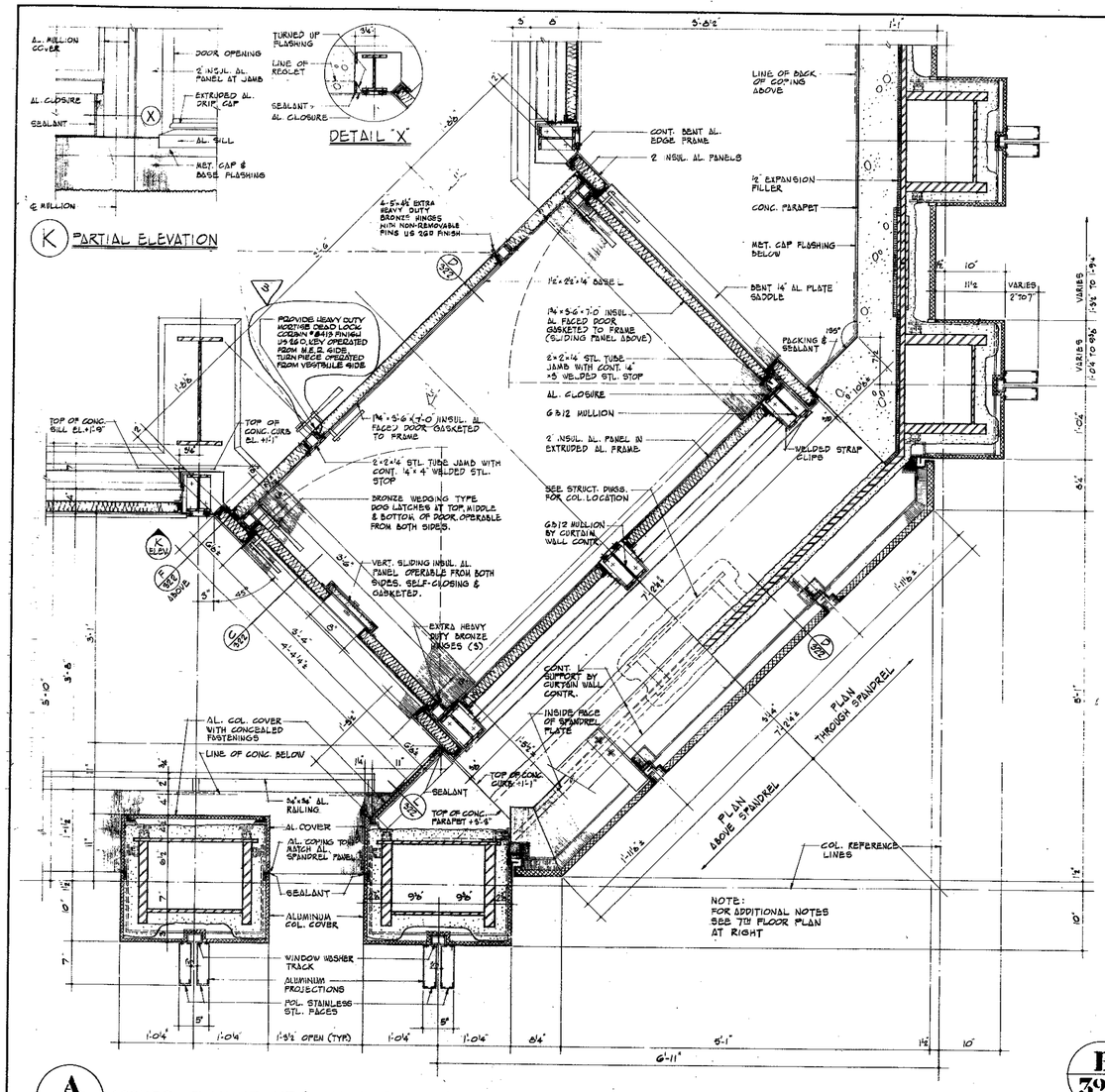
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

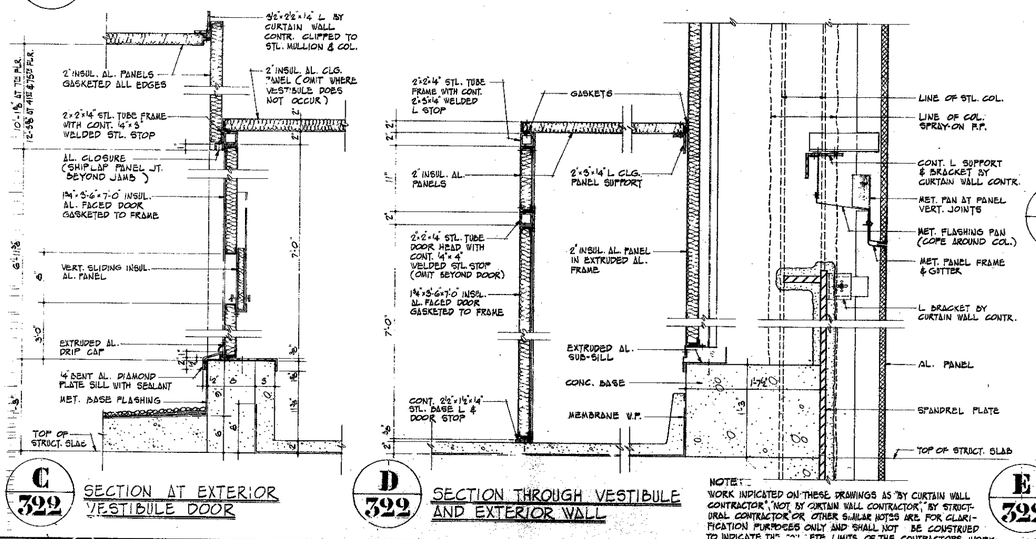
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CORNER ELEVATIONS & PLANS OF TYPICAL FLOOR & CROWN

DFT'R	A.B.
CHECK'D	
SCALE	3/8"=1'-0"
DATE	7-31-67
W.T.C. NUMBER	WTC-100.00
SHEET	OF
DRAWING NUMBER	A-AB-321

A-AB-322





CONTRACT NO.	DRAWING dated	
	2-1-68 Towers 'B'	
	2-7-68 Towers 'A'	

1½"=1'-0" 0 3" 6" 1' 2'

NO.	DATE	BUL. NO.	BY
REVISIONS			
1	11-6-70	3-68	R.T.A.
2	3-16-70	A-60	H.B.
3	9-22-69	A-60	R.H.
REVISIONS			

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
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WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

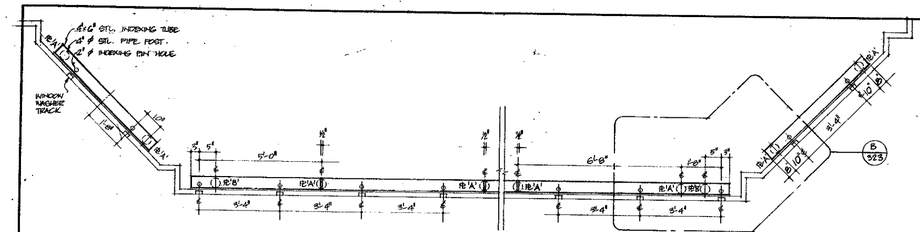
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

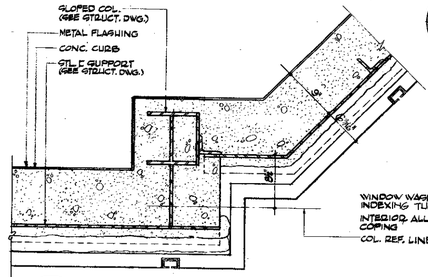
TITLE: CORNER DETAILS OF 7TH, 41ST & 75TH FLOOR MECH. LEVELS

DRAWN	A.C.	CHECK'D	
SCALE	1½"=1'-0" & AS NOTED	DATE	7-31-67
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-AB-322		

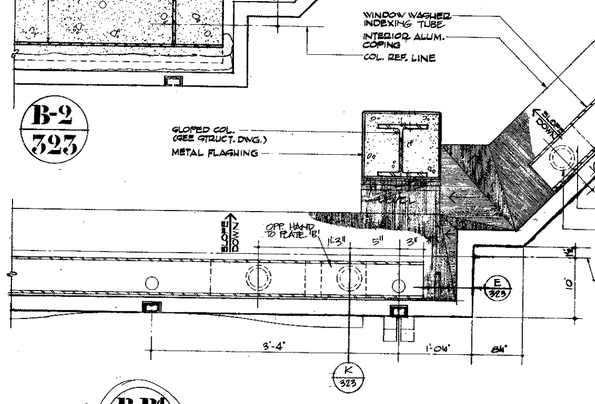
AAB-323



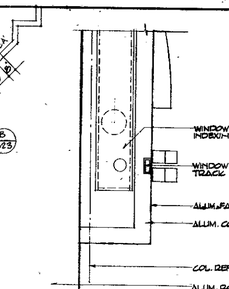
L 323 PLAN OF INDEXING TUBE, TYPICAL LAYOUT
SCALE 1/2" = 1'-0"



B-2 323

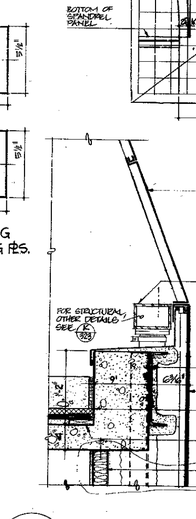


B-B1 323 CORNER PLAN AT ROOF



K 323 TYP. PARAPET SECTION THRU INDEXING TUBE
SCALE - HALF FULL SIZE.

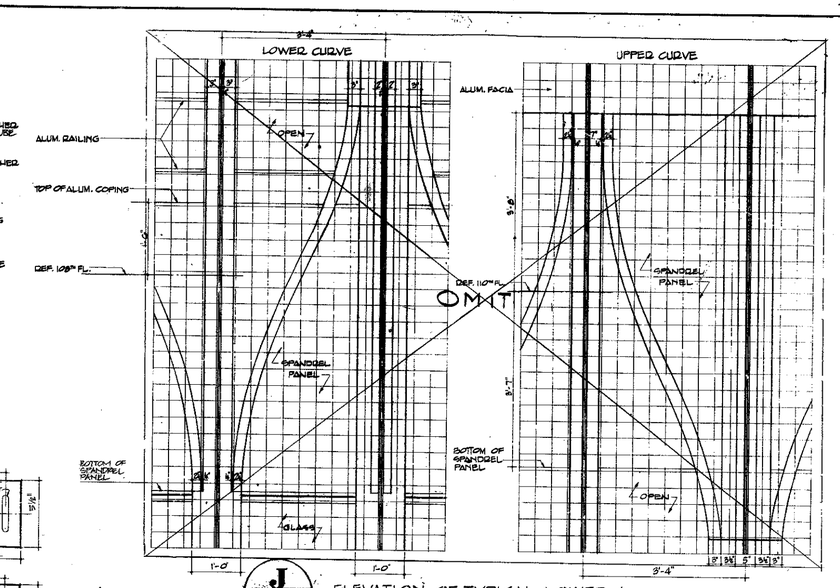
A 323 CORNER PLAN AT 108TH. FLOOR



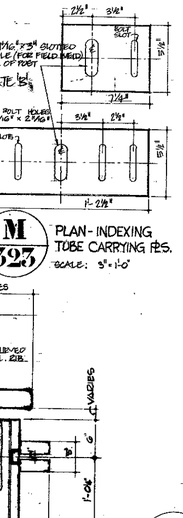
D 323 SECTION AT CORNER INDEXING TUBE



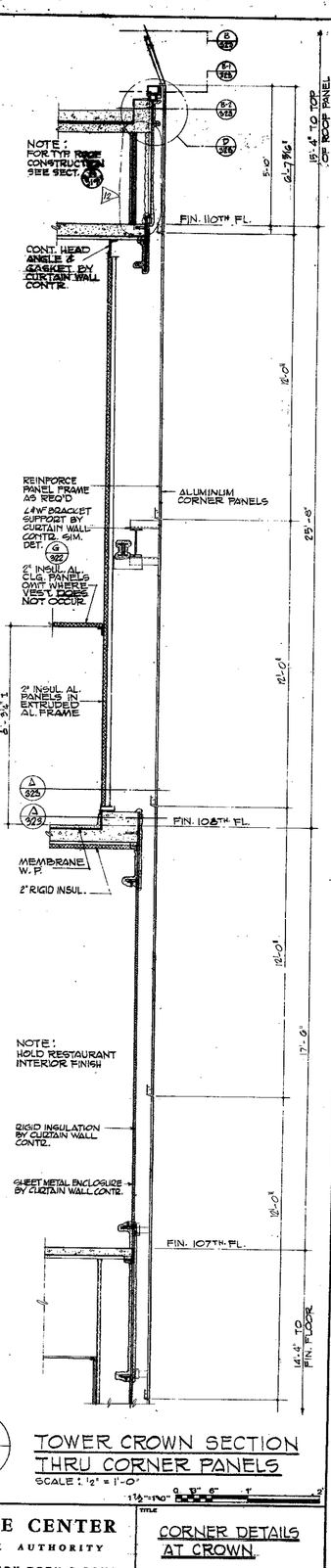
E 323 SECTION AT END MAIN WALL INDEXING TUBE

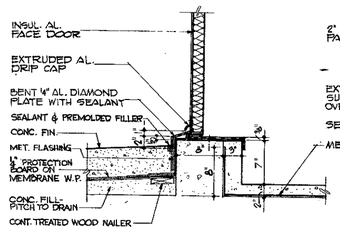


J 323 ELEVATION OF TYPICAL LOWER & UPPER CURVE AT CROWN SCALE: 1'-1'-0"

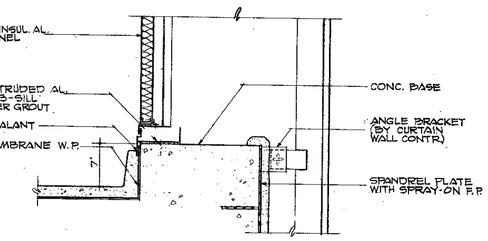


M 323 PLAN - INDEXING TUBE CARRYING PTS. SCALE: 3"=1'-0"





F 323 SILL AT EXTERIOR VESTIBULE DOOR



G 323 SILL AT EXTERIOR WALL

H 323 TOWER CROWN SECTION THRU CORNER PANELS
SCALE: ½" = 1'-0"

NOTE:
WORK INDICATED ON THESE DRAWINGS AS "BY CURTAIN WALL CONTRACTOR," "NOT BY CURTAIN WALL CONTRACTOR," "BY STRUCTURAL CONTRACTOR," OR OTHER SIMILAR NOTES, ARE FOR CLARIFICATION PURPOSES ONLY AND SHALL NOT BE CONSTRUED TO INDICATE THE COMPLETE LIMITS OF THE CONTRACTORS WORK.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT - BID DRAWING date 2-9-68 Tower 'A' 5-1-68 Tower 'B'

NO.	DATE	BULL. NO.	BY
7	6-12	P-186	DRC
6	1-24-74	P-256	S.D.
5	10-8-73	A-256	S.D.
4	10-11-71	A-156	S.A.
3	11-6-70	A-156	Q.A.
2	4-11-70	A-156	Q.A.
1	4-11-70	A-97	Q.A.
A	5-16-70	A-40	N.B.
A	9-25-69	A-40	R.H.
A	4-28-68	A-3 - 5.5	I.S.

NO.	DATE	BULL. NO.	BY
A	1-18-75	A-256	L.J.
A	7-10-73	A-256	DRC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 12

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

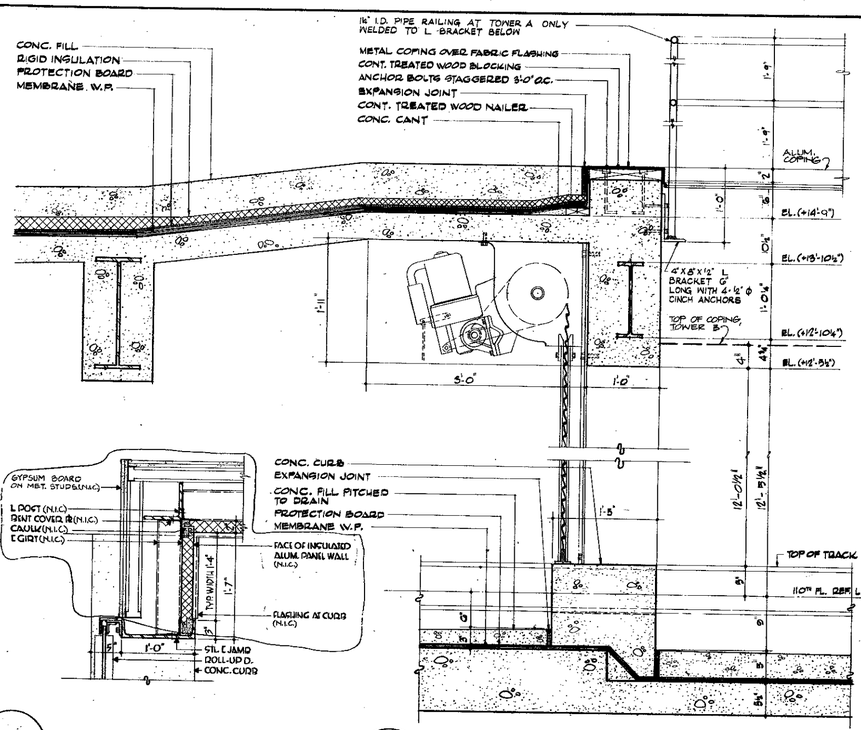
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: CORNER DETAILS AT CROWN

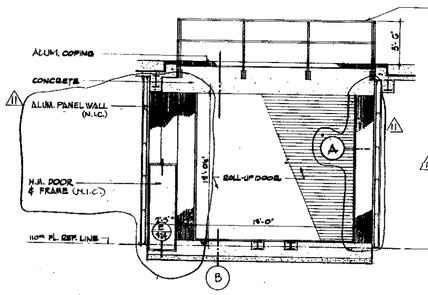
DRAWN	A.F.	CHECKED	
SCALE	1½"=1'-0" & 3"=1'-0"	DATE	7-31-67
PROJECT NUMBER	WTC 400.00	SHEET	OF
DRAWING NUMBER	A-AB-323		



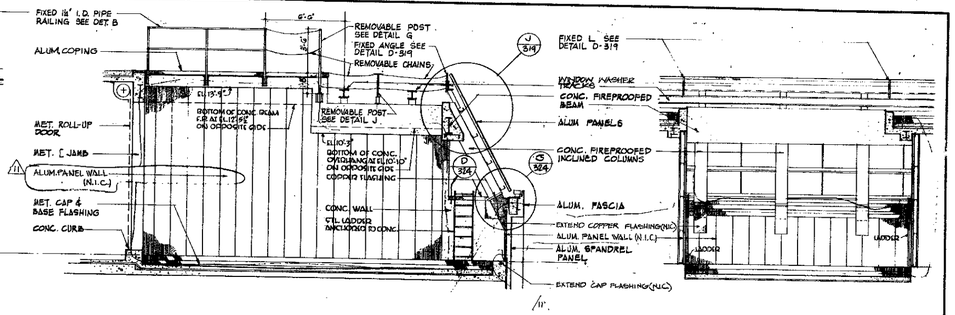
A JAMB DETAIL
SCALE: 1½" = 1'-0"

B SECTION AT ROLL-UP DOOR OF WINDOW WASHER STORAGE AREA - TOWER A.
SCALE: 1½" = 1'-0"

TOWER B SIMILIAR EXCEPT AS NOTED.



WEST ELEVATION - TOWER A



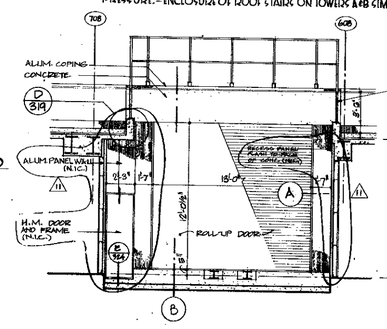
NORTH ELEVATION - TOWER A
(SOUTH ELEVATION SIMILAR EXCEPT AS NOTED)

EAST ELEVATION - TOWER A

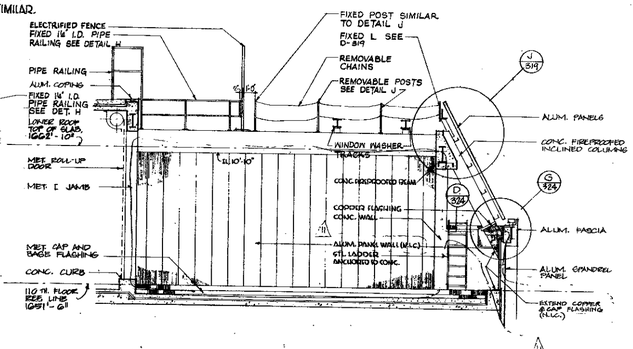
ELEVATIONS OF WINDOW WASHER AREA - TOWER A

SCALE: 1¼" = 1'-0"

NOTE: ALUM. PANEL WALLS TO WITHSTAND 70* P.S.F. NEGATIVE PRESSURE. - ENCLOSURE OF ROOF STAIRS ON TOWERS A+B SIMILAR.



SOUTH ELEVATION - TOWER B

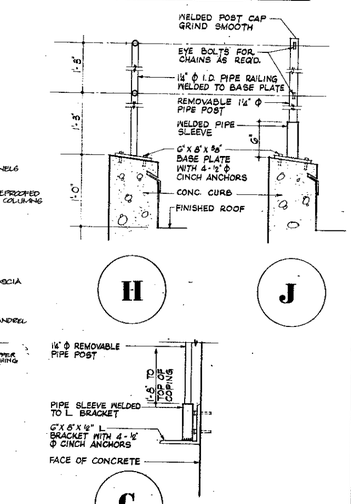


WEST ELEVATION - TOWER B

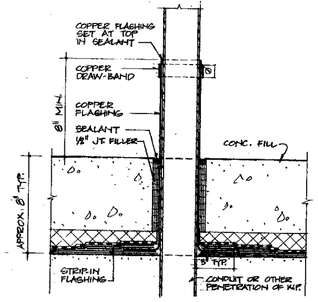
ELEVATIONS OF WINDOW WASHER AREA - TOWER B

SCALE 1¼" = 1'-0"

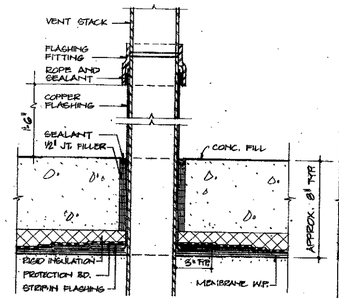
NOTE: NORTH ELEVATION - TOWER B SIMILAR TO EAST ELEVATION TOWER A ABOVE



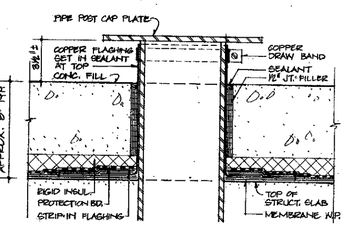
RAILING DETAILS
SCALE 1½" = 1'-0"



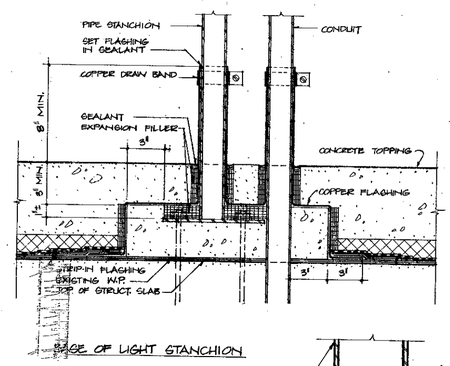
TYPICAL PENETRATION



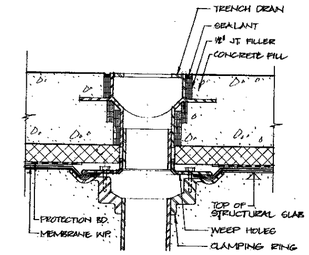
PLUMBING VENT STACK



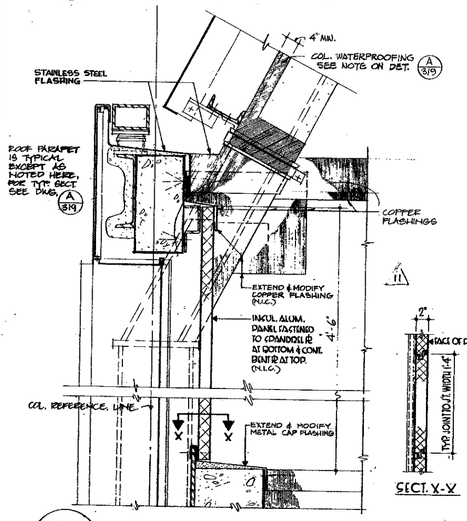
WINDOW WASHER TURNTABLE POST
NOTE: WINDOW WASHER TRACK SUPPORTS SIMILAR



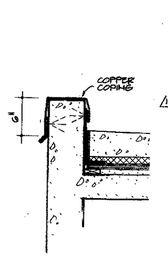
EDGE OF LIGHT STANCHION



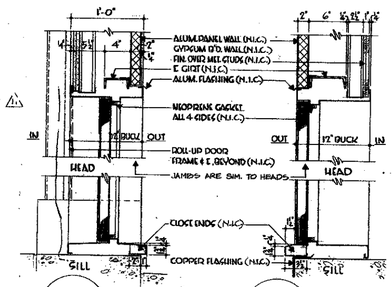
TRENCH DRAIN AT STAIR ON ROOF



G PARAPET SECTION AT WINDOW WASHER AREA.
SCALE 1½" = 1'-0"

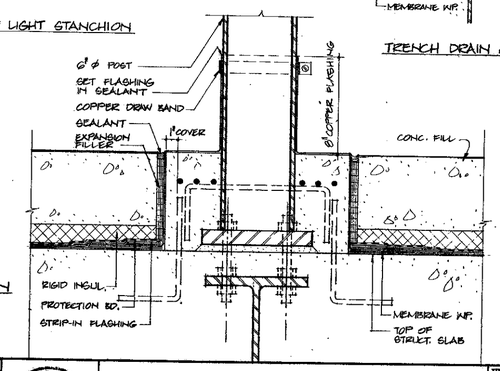


D COPING SECTION AT WINDOW WASHER AREA.
SCALE 1½" = 1'-0"



E DOOR SECTION - WINDOW WASHER (N.I.C.)
SCALE 1½" = 1'-0"

F DOOR SECTION - ROOF STAIR (N.I.C.)
SCALE 1½" = 1'-0"



TYP OBSERVATION DECK POST.

NOTE:
FOR OBSERVATION DECK POST PENETRATION DETAIL AT EDGE OF ROOF, SEE G 3/9

BUILDINGS NOT DATED ARE IN PROCESS OF COMPLETION

NO.	DATE	SHL. NO.	BY
7	1-10-74	4-37	L.U.
6	5-30-74	4-36	L.U.
5	11-23-73	4-34	D.R.
4	7-17-73	4-33	D.R.
3	4-16-73	4-32	D.R.
2	10-19-72	4-30	D.R.
1	1-24-72	4-29	D.R.
0	12-24-71	4-28	D.R.
10	10-11-71	4-27	D.R.
9	4-22-68	4-26	I.S.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

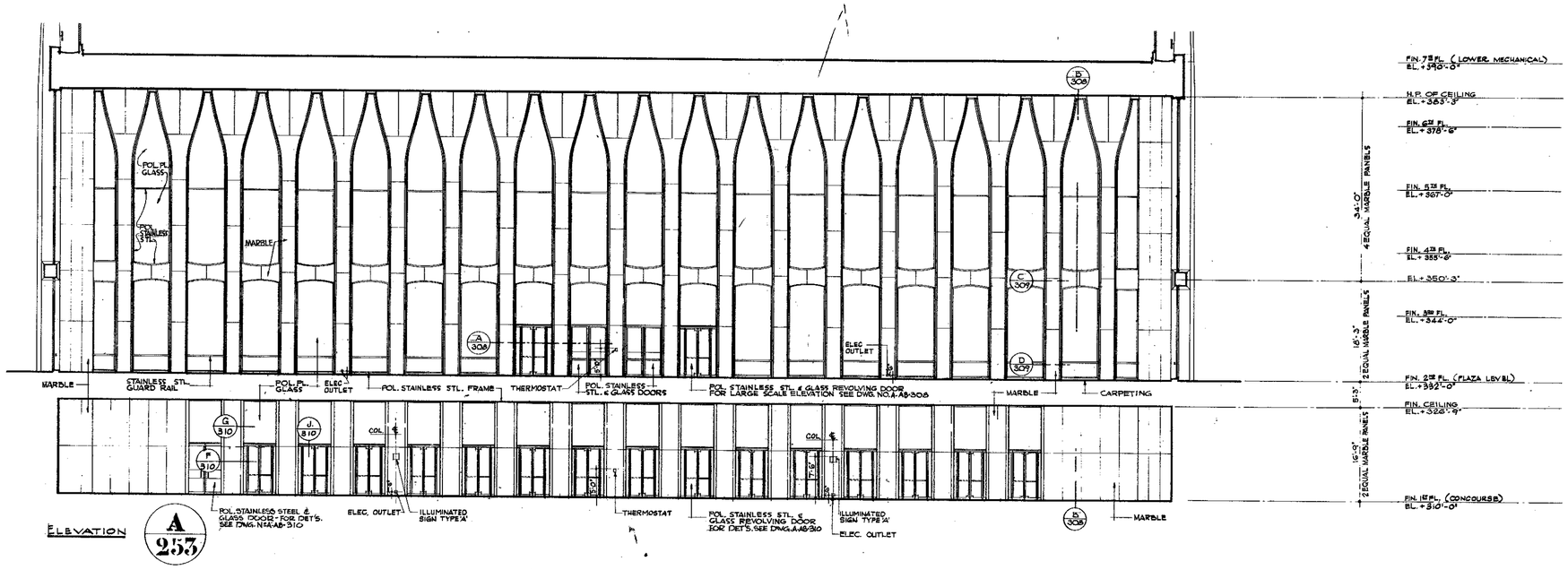
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

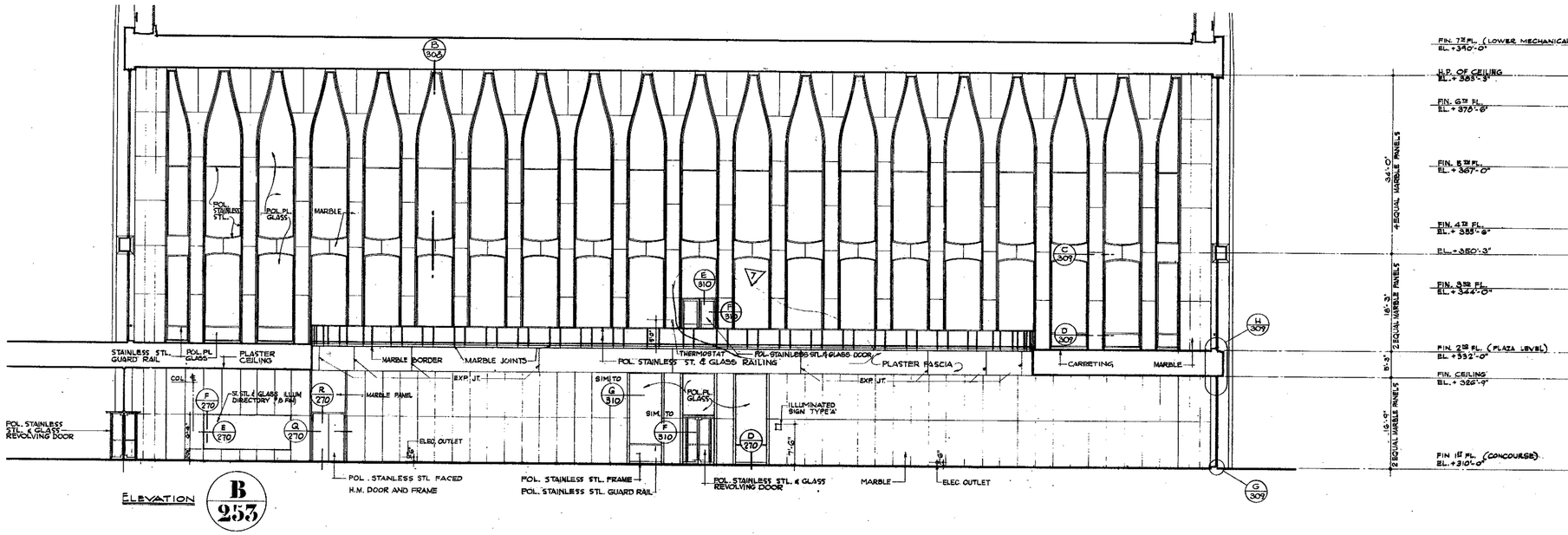
TITLE: ELEVATIONS & DETAILS OF WINDOW WASHER STORAGE AREA

DRAWN	R.F.A./D.R.	CHECKED	
SCALE	AS NOTED	DATE	
PROJECT NUMBER		SHEET	OF

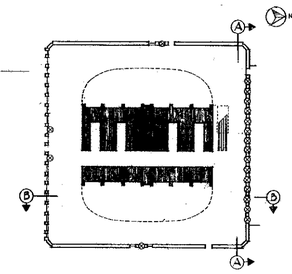
DRAWING NUMBER: A-AB-394



ELEVATION A 253



ELEVATION B 253



1/8 "=1'-0" 0 4' 8' 16' 24 KEY PLAN 1"=50'-0" (SHOWN AT 30'EL.)

NO.	DATE	SUB. NO.	BY
		B-300	ALM
1	7-25-72	A-88	A.K.
2	5-12-71	A-85	S.D.
3	3-3-71	A-81	R.A.
4	11-6-70	B-GR3	D.A.
5	12-22-69	A-25	Ec.
6	6-25-69	A-25	N.S.

CONTRACT BID DRAWING date 3-1-68

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

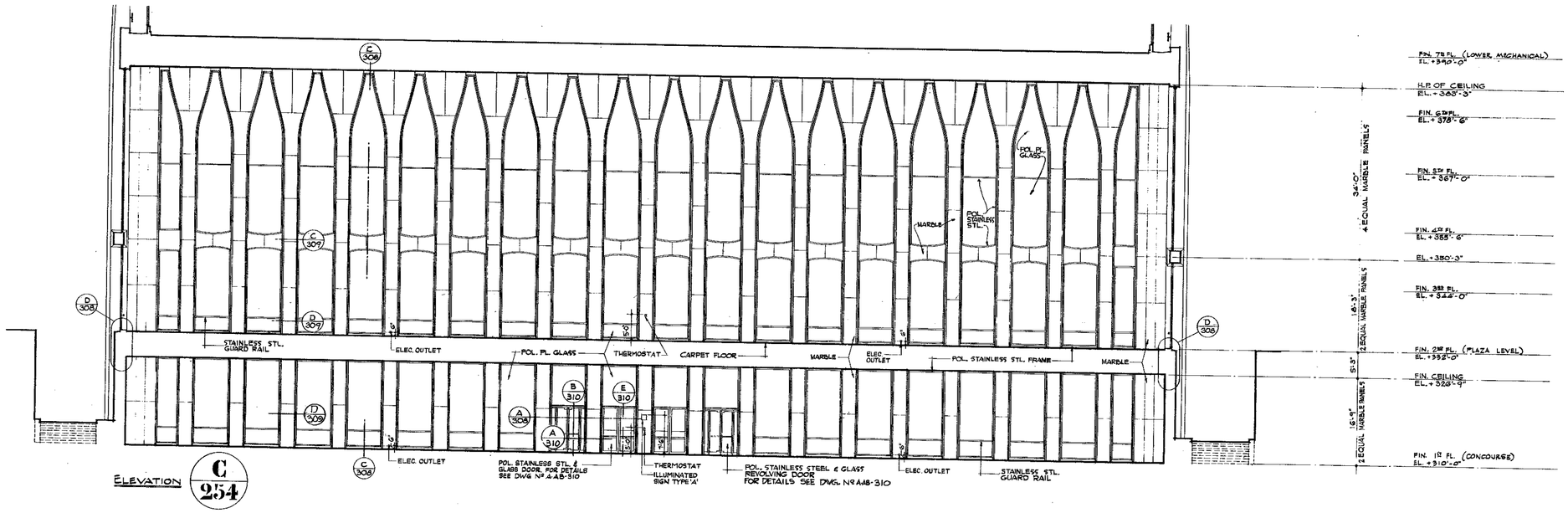
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

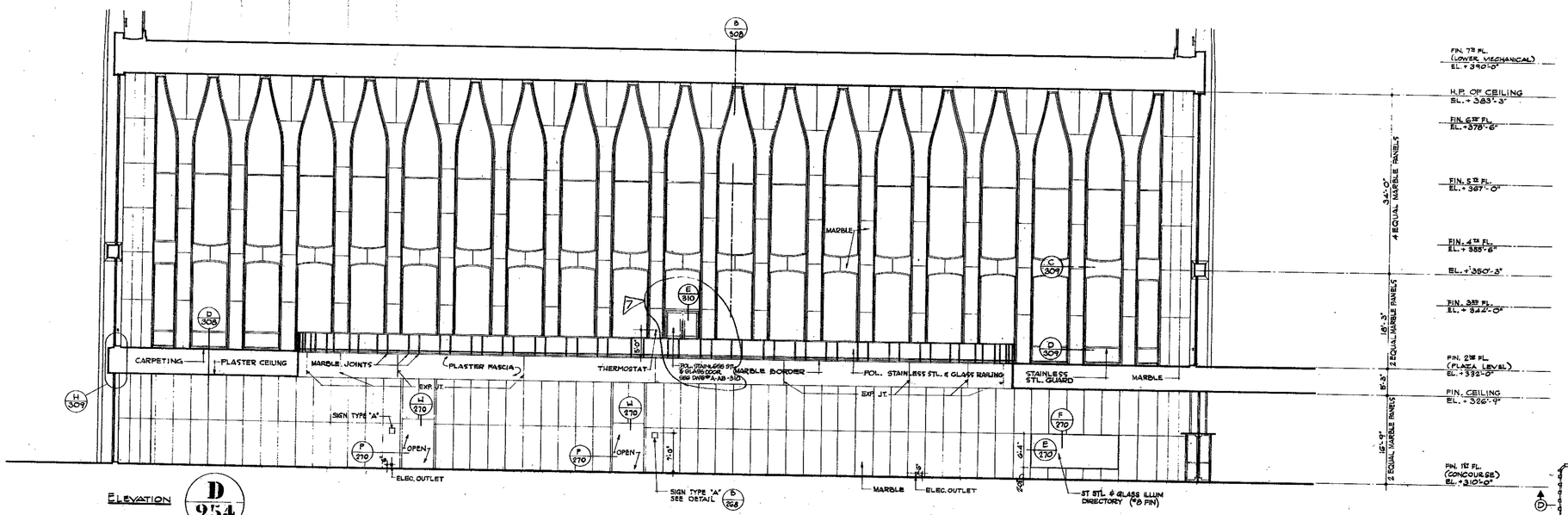
TITLE: MAIN LOBBY ELEVATIONS 'A' & 'B'

DRAWN	G.W.V. & A.B.	CHECKED	
SCALE	16"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-253		

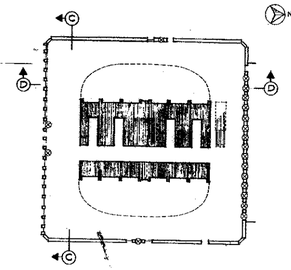
File in AAB Series



ELEVATION C/254



ELEVATION D/254



BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 3-1-68			
1	B-300	M.M.	
2	7-25-72	A-35 B-136	A.K.
3	1-28-72	A-155	A.K.
4	3-3-71	A-151 B-96	S.D.
5	11-6-70	D-65	Q.A.
6	12-22-69	A-25	E.C.
7	5-23-69	A-25	P.L.
NO.	DATE	REVISIONS BUL. NO.	BY

NO.	DATE	REVISIONS BUL. NO.	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

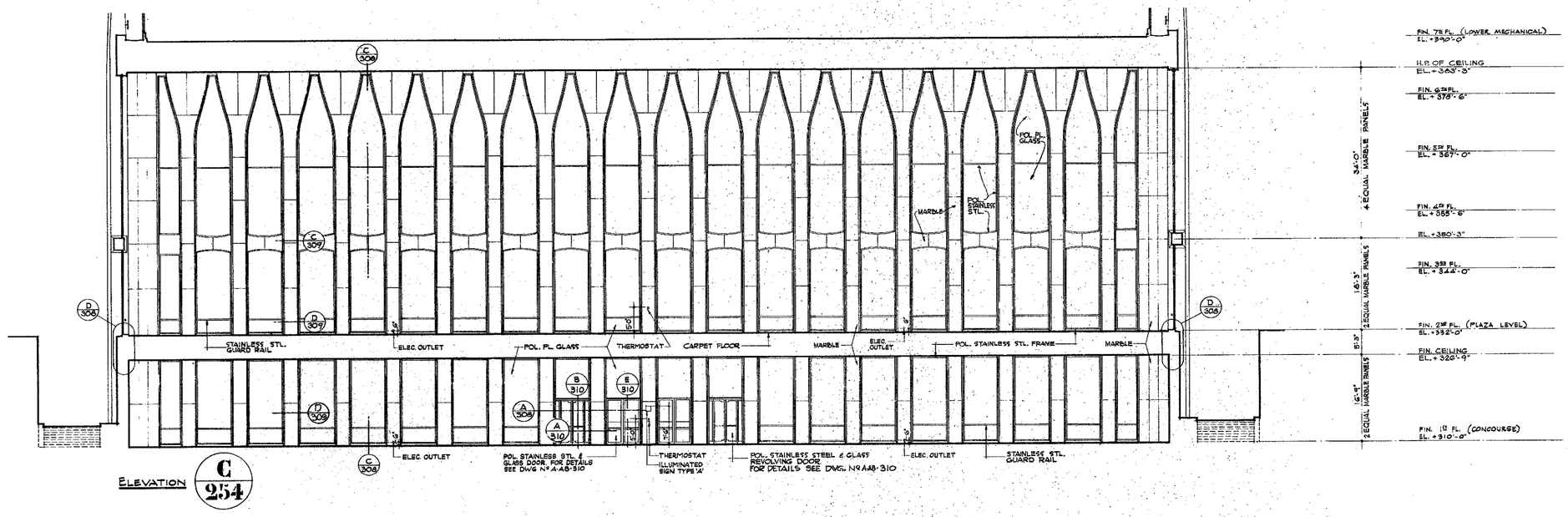
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

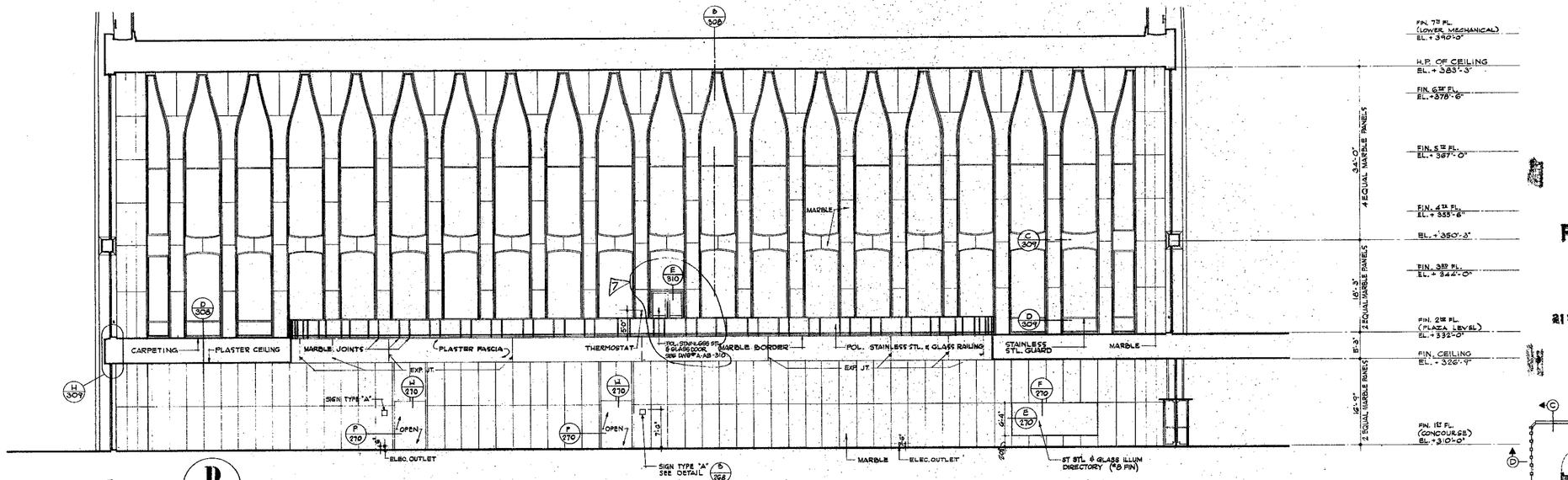
TITLE: MAIN LOBBY ELEVATIONS 'C & D'

DRAWN	A.D.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-254		

File in AAB Series



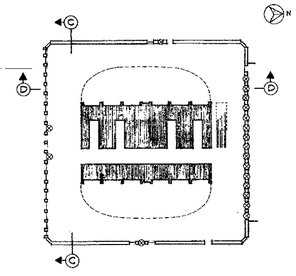
ELEVATION C/254



ELEVATION D/254

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

RECEIVED
JUL 31 1990
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46th ST., N.Y.C. 10017



KEY PLAN 1"=80' (SHOWN AT 310' EL.)

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 8-1-69							
1		B-300	M.H.				
2	7-25-72	B-310	S.W.				
3	1-26-72	B-150	L.K.				
4	3-2-71	A-25-F	S.D.				
5	11-6-70	B-69	R.A.				
6	12-22-69	A-25	B.C.				
7	5-23-69	A-25	P.L.				
NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

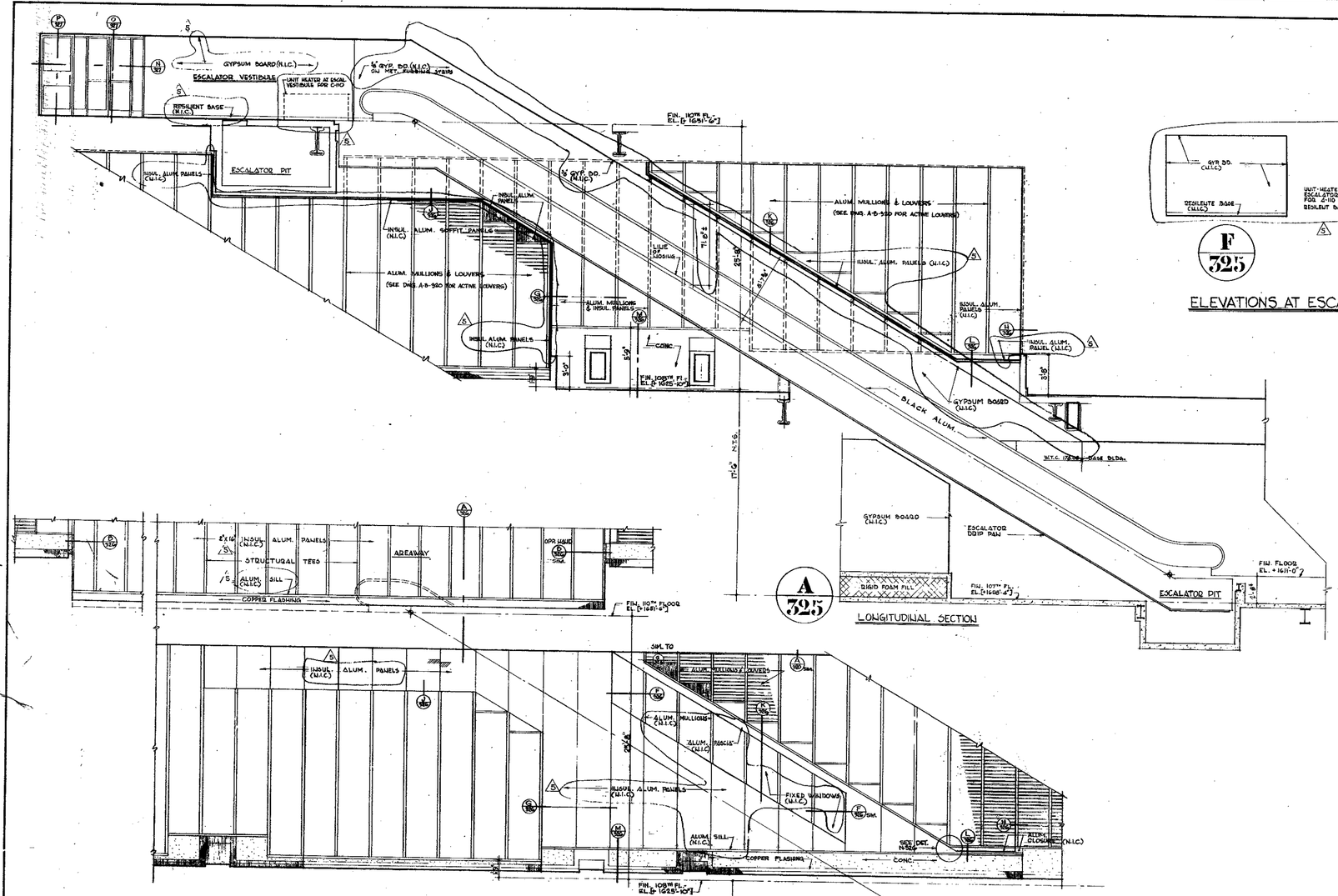
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: MAIN LOBBY ELEVATIONS 'C' & 'D'

DRAWN	A.D.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-B-254		

Folder AAB Series



CONTRACT BID DRAWING	date	BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION
6	8-27-76	L.J.
5	6.22.76	S-291 DEC
4	10-28-74	S-184 S.D.
3	5-15-72	S-176 S.D.
2	5-01-72	S-175 S.D.
1		

NO. DATE SUB. NO. BY — REVISIONS

NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

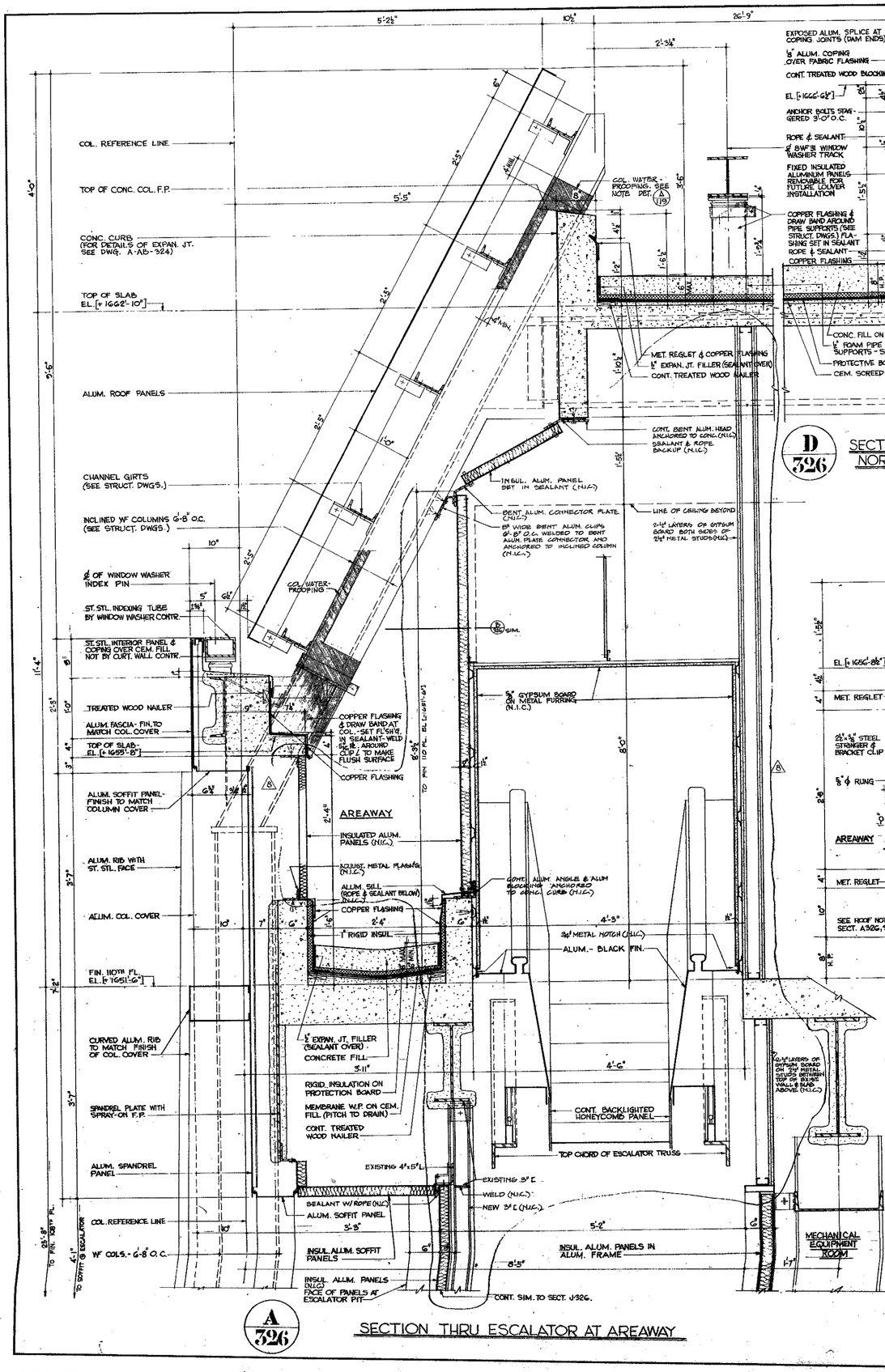
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

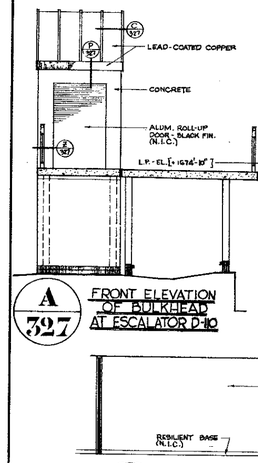
THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

TITLE: PLANS, SECTION AND ELEVATIONS AT ESCALATORS A-110 & C-110

DRAWN	S.D.	CHECKED	
SCALE	1/4"=1'-0"	DATE	FEB. 2, 1972
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·325		

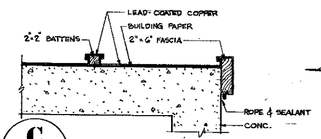
File in A A B Series


COL. REFERENCE LINE
TOP OF CONC. COL. F.P.
CONC. CURB (FOR DETAILS OF EXPAN. JT. SEE DWG. A-AB-324)
TOP OF SLAB EL. [+ 1662'-10"]
ALUM. ROOF PANELS
CHANNEL GIRTS (SEE STRUCT. DWGS.)
INCLINED WF COLUMNS @ 8'-8" O.C. (SEE STRUCT. DWGS.)
℄ OF WINDOW WASHER INDEX PIN
ST. STL. INDEXING TUBE BY WINDOW WASHER CONTR.
ST. STL. INTERIOR PANEL & COPING OVER CEM. FILL NOT BY CURT. WALL CONTR.
TREATED WOOD NAILER
ALUM. FASCIA- FIN. TO MATCH COL. COVER
TOP OF SLAB- EL. [+ 1655'-8"]
ALUM. SOFFIT PANEL- FINISH TO MATCH COLUMN COVER
ALUM. RIB WITH ST. STL. FACE
ALUM. COL. COVER
FIN. 110TH FL. EL. [+ 1651'-6"]
CURVED ALUM. RIB TO MATCH FINISH OF COL. COVER
SPANDREL PLATE WITH SPRAY-ON F.P.
ALUM. SPANDREL PANEL
COL. REFERENCE LINE
WF COLS.- 8'-8" O.C.
TO FIN. 108TH FL.
TO SOFFIT @ ESCALATOR
COL. WATER-PROOFING
COPPER FLASHING & DRAW BAND AT COL.- SET FLUSH, IN SEALANT- WELD S.S. ℔. AROUND CLIP, ℄ TO MAKE FLUSH SURFACE
COPPER FLASHING
AREAWAY
INSULATED ALUM. PANELS (N.I.C.)
ADJUST. METAL FLASHING (N.I.C.)
ALUM. SILL (ROPE & SEALANT BELOW) (N.I.C.)
COPPER FLASHING
1" RIGID INSUL.
℄ EXPAN. JT. FILLER (SEALANT OVER)
CONCRETE FILL
RIGID INSULATION ON PROTECTION BOARD
MEMBRANE W.P. ON CEM. FILL (PITCH TO DRAIN)
CONT. TREATED WOOD NAILER
EXISTING 4"x15"L
EXISTING 8" ℄
WELD (N.I.C.)
NEW 3" ℄ (N.I.C.)
SEALANT W/ROPE (N.I.C.)
ALUM. SOFFIT PANEL
INSUL. ALUM. SOFFIT PANELS
INSUL. ALUM. PANELS (N.I.C.) FACE OF PANELS AT ESCALATOR PIT
CONT. SIM. TO SECT. J-326.
CONT. ALUM. ANGLES & ALUM BLOCKING ANCHORED TO CONC. CURB (N.I.C.)
3¼" METAL NOTCH (N.I.C.)
ALUM.- BLACK FIN.
4'-6"
CONT. BACKLIGHTED HONEYCOMB PANEL
TOP CHORD OF ESCALATOR TRUSS
MECHANICAL EQUIPMENT ROOM
2-½" LAYERS OF GYPSUM BOARD ON 3½" METAL STUDS BETWEEN TOP OF ROOF & WALLS BELOW (N.I.C.)
5'-2½"
10½"
26'-9"
2'-3¾"
1'-8"
PITCH ¼"
SEALANT
EXPOSED ALUM. SPLICE AT COPING JOINTS (DAM ENDS)
⅛" ALUM. COPING OVER FABRIC FLASHING
CONT. TREATED WOOD BLOCKING
EL. [+ 1666'-6½"]
ANCHOR BOLTS STAG-GERED 3'-0" O.C.
ROPE & SEALANT
℄ BWF 31 WINDOW WASHER TRACK
FIXED INSULATED ALUMINUM PANELS REMOVABLE FOR FUTURE LOUVER INSTALLATION
COPPER FLASHING & DRAW BAND AROUND PIPE SUPPORTS (SEE STRUCT. DWGS.) FLA-SHING SET IN SEALANT
ROPE & SEALANT
COPPER FLASHING
MET. REGLET & COPPER FLASHING
½" EXPAN. JT. FILLER (SEALANT OVER)
CONT. TREATED WOOD NAILER
CONC. FILL ON RIGID INSUL.
½" FOAM PIPE INSUL. AROUND PIPE SUPPORTS - SEALANT AT TOP
PROTECTIVE BOARD ON MEMBRANE W.P.
CEM. SCREED- PITCH ¼" TO DRAIN
INSUL. ALUM. PANEL SET IN SEALANT (N.I.C.)
LINE OF CEILING BEYOND
BENT ALUM. CONNECTOR PLATE (N.I.C.)
8" WIDE BENT ALUM. CLIPS @ 8'-8" O.C. WELDED TO BENT ALUM. PLATE CONNECTOR AND ANCHORED TO INCLINED COLUMN (N.I.C.)
5" GYPSUM BOARD ON METAL FURRING (N.I.C.)
SIM.
COPPER FLASHING
SEE ROOF NOTES - SECT. A326, SIM.
EL. [+ 1656'-6½"]
MET. REGLET
2½"x½" STEEL STRINGER & BRACKET CLIP
5'-¢ RUNG
AREAWAY
SEE ROOF NOTES SECT. A326, SIM.
TOP OF SLAB EL. + 1655'-8"
RIGID INSUL.
MECHANICAL EQUIPMENT ROOM
SEALANT & ROPE BACKUP (N.I.C.)
IRON LADDER
AREAWAY
INSUL. ALUM. PANEL (N.I.C.)
ALUM. SILL (N.I.C.)
SIM.
ALUM. FLASHING (SET IN SEALANT) & DRAW BAND AROUND OBSERVATION DECK PIPE COLUMN (SEE STRUCT. DWGS.) - TURN COPING UP BEHIND FLASHING
SEE NOTES SECT. D326
NOTE: SECTION AT INTERIOR CURB BETWEEN LOUVERS SIMILAR TO SECT. H, DWG. A-AB-319 EXCEPT AT EAST & WEST WALLS REGLET TO BE 1'-3½" ABOVE ROOF SLAB (RETURN HIGHER REGLET @ BE-YOND CORNERS ON NORTH & SOUTH WALLS, OVER LOWER REGLET)
INSUL. ALUM. PANEL
ALUM. LOUVER & MULL.
W.P. JOINT (N.I.C.)
ROPE & SEALANT (N.I.C.)
INSUL. ALUM. PANEL (N.I.C.)
5/8" GYPSUM BOARD ON MET. FURRING (N.I.C.)
CONT. SIM. TO SECT. A326
OUTSIDE OF ESCAL. PIT BEYOND
INSUL. ALUM. PANELS (N.I.C.)
FACE OF PANELS @ ESCAL. PIT
SEALANT W/ROPE BACKUP (N.I.C.)
3'-3" TO COL. REF. LINE
5'-2"
EXTRUDED ALUM. LOUVER, WITH INSUL. ALUM. PANELS & INACTIVE PORTIONS (ALUM. BIRD SCREEN & ACTIVE LOUVERS)
INSUL. ALUM. PANEL
REINF. INSUL. ALUM. PANELS W/ROPE & SEALANT AND TAPE & RABBETED JOINTS (N.I.C.)
CONT. ALUM. SILL, ROPE & SEALANT (N.I.C.)
TOP OF S 6 I POST BEYOND (N.I.C.)
S 4 I BEAM BEYOND (N.I.C.)
INSUL. ALUM. FASCIA (N.I.C.)
SEALANT (N.I.C.)
TO COL. REF. LINE
FIXED WINDOW (N.I.C.)
5/8" GYPSUM BOARD ON MET FURRING (N.I.C.)
ALUM. SILL BACKED UP W/STRUCTURAL HEAD SIMILAR
INSUL. ALUM. PANEL (N.I.C.)
¾" METAL NOTCH (N.I.C.)
5'-3"
5'-2"
5'-0"
4'-3"
7"
2'-3"
6"
5'-3"
5'-0"
4'-3"
5'-2"
5'-0"
4'-3"
5'-0"
4'-3"
5'-0"
4'-3

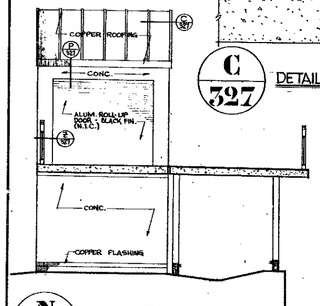


A 327 FRONT ELEVATION OF BULKHEAD AT ESCALATOR D-110

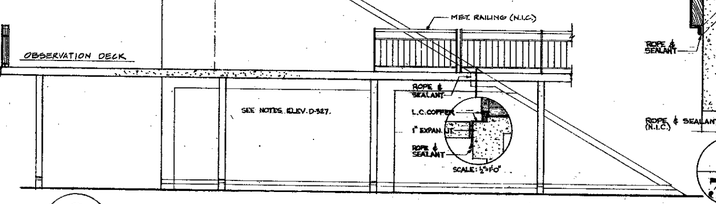
B 327 SECTION THRU STAIR FACING WEST



C 327 DETAIL AT COPPER ROOF
SCALE: 1½"=1'-0"



N 327 FRONT ELEVATION OF BULKHEAD AT ESCALATOR B-110



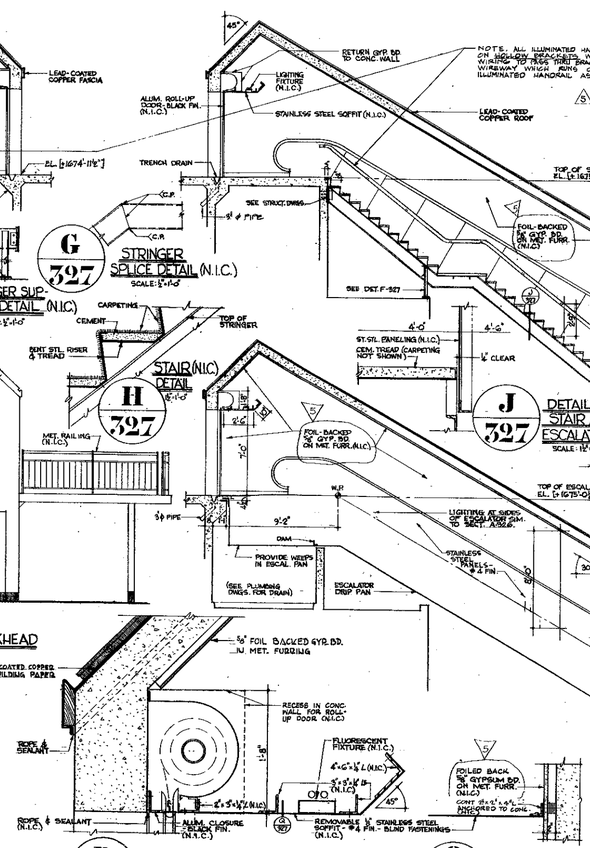
D 327 SIDE ELEVATION OF BULKHEAD

E 327 DETAIL OF STAIR AT WALL
SCALE: 1½"=1'-0"

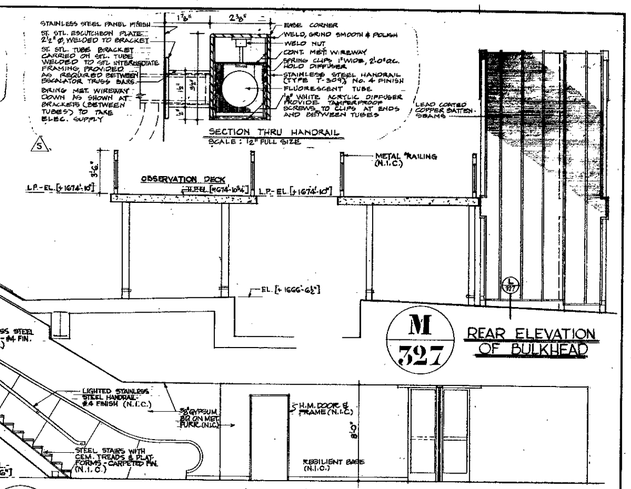
F 327 STRINGER SUPPORT DETAIL (N.I.C.)
SCALE: ½"=1'-0"

G 327 STRINGER SPLICE DETAIL (N.I.C.)
SCALE: ½"=1'-0"

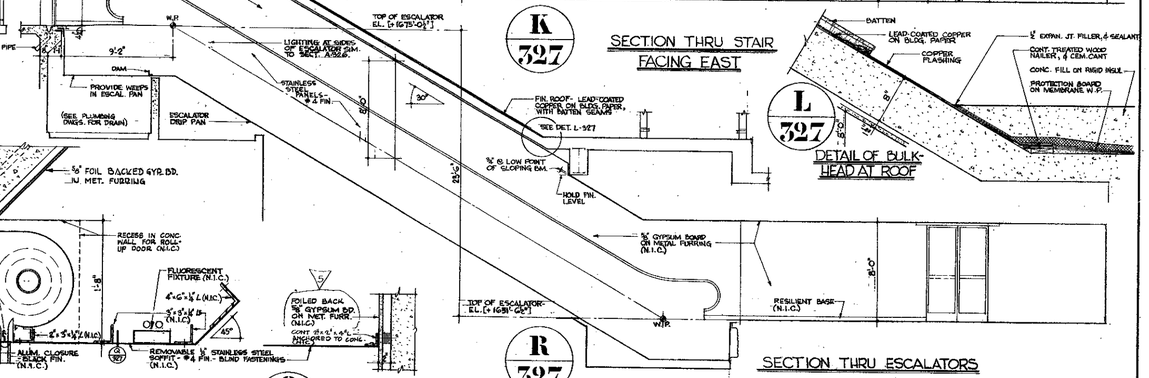
H 327 STAIR (N.I.C.) DETAIL
SCALE: ½"=1'-0"



J 327 DETAIL OF STAIR AT ESCALATOR
SCALE: 1½"=1'-0"



M 327 REAR ELEVATION OF BULKHEAD



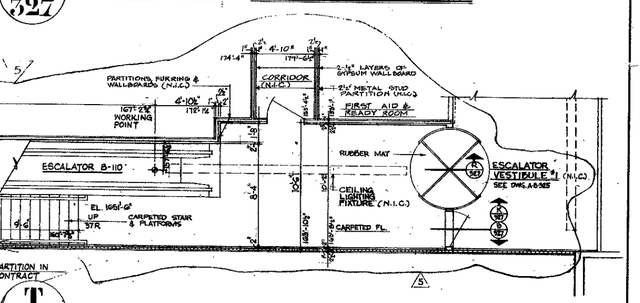
K 327 SECTION THRU STAIR FACING EAST

L 327 DETAIL OF BULKHEAD AT ROOF

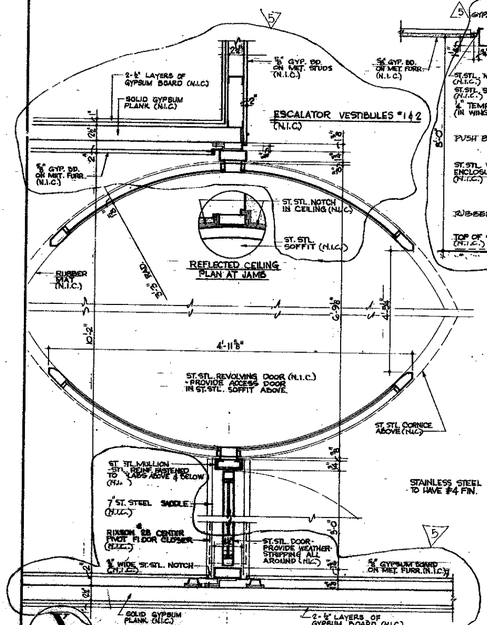
R 327

P 327 SECTION AT ROLLING DOOR HEAD
SCALE: 1½"=1'-0"

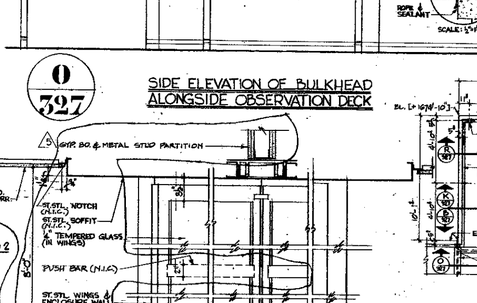
Q 327 DETAIL AT SOFFIT
SCALE: 1½"=1'-0"



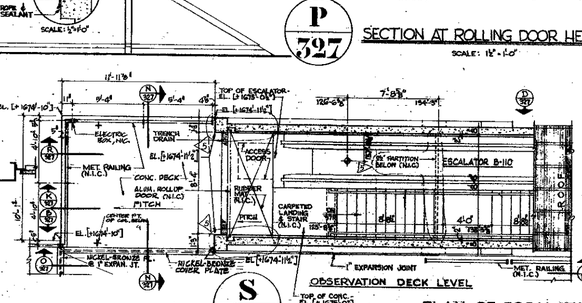
T 327 PLAN OF ESCALATOR B-110 & STAIR P.H. #1



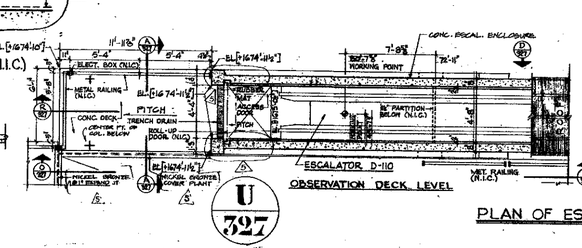
X 327 PLAN AT VESTIBULE DOORS (N.I.C.)
SCALE: ½"=1'-0"



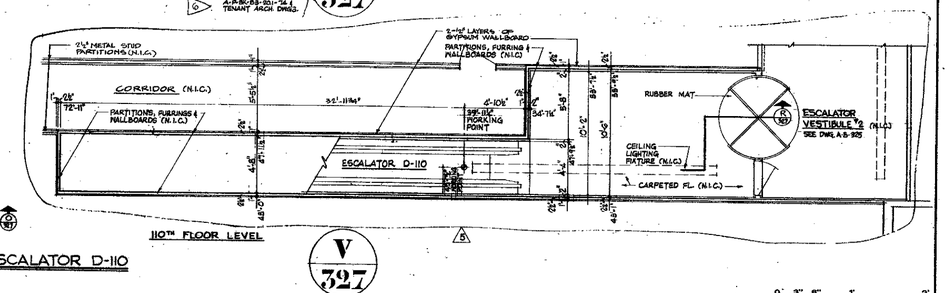
O 327 SIDE ELEVATION OF BULKHEAD ALONGSIDE OBSERVATION DECK



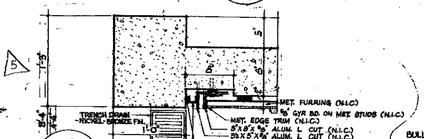
S 327 OBSERVATION DECK LEVEL



U 327 OBSERVATION DECK LEVEL



V 327 PLAN OF ESCALATOR D-110



Y 327 SECTION THRU PIVOTED DOOR (N.I.C.)
SCALE: 1½" = 1'-0"

Z 327 PLAN AT ROLL-UP DOOR (N.I.C.)

BULLETINS NOT DATED ARE IN PROCESS OF REVISION.

NO.	DATE	BUL. NO.	BY
REVISIONS			
1	1-15-75	B-166	L.J.
2		B-176	L.J.
3	10-10-78	B-266	A.C.
4	12-12-75	B-225	D.K.
5	7-24-75	B-235	S.D.
6	10-25-78	B-184	S.D.

NO.	DATE	BUL. NO.	BY
REVISIONS			

CONTRACT BID DRAWING date

APPROVED

CHIEF, PLANNING DIVISION

DATE

1½"=1'-0" 0 3" 6" 1' 2'
½"=1'-0" 0 2" 4" 6" 1' 2' 3' 4' 5' 6'
¼"=1'-0" 0 2' 3' 4' 8' 12'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

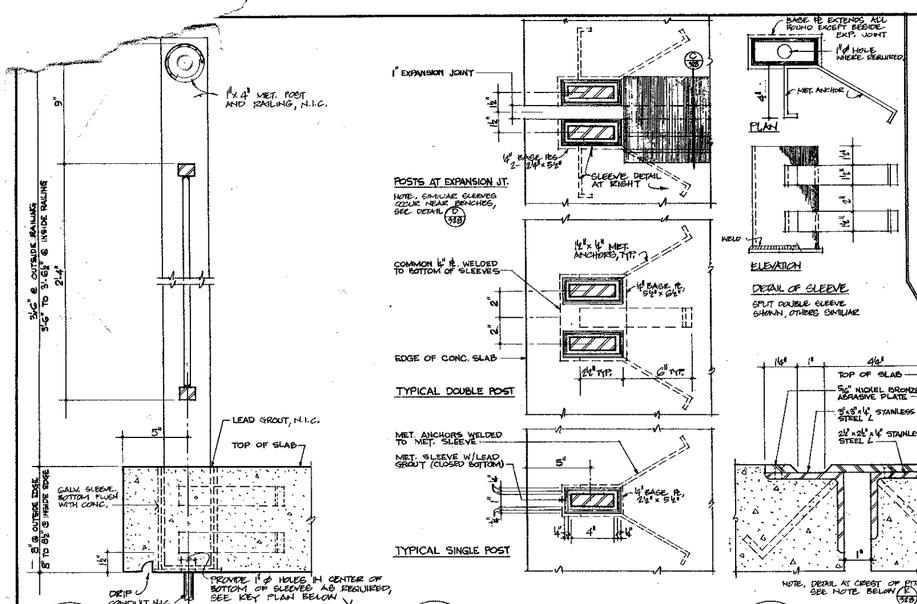
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: DETAILS AT ESCALATORS B-110 & D-110 AND STAIR P.H. #1

DRAWN	S.D.
CHECKED	
SCALE	½"=1'-0"
DATE	MAY 15, 1972
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-B-327

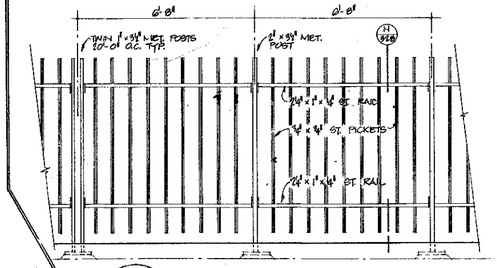
Fold in AAB Series



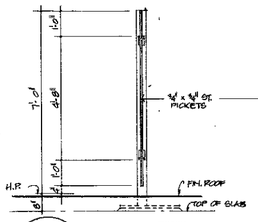
A 328 TYPICAL SECTION THRU RAILING
SCALE : 3" = 1'-0"

B 328 TYPICAL DETAILS AT RAILING POSTS
SCALE : 3" = 1'-0"

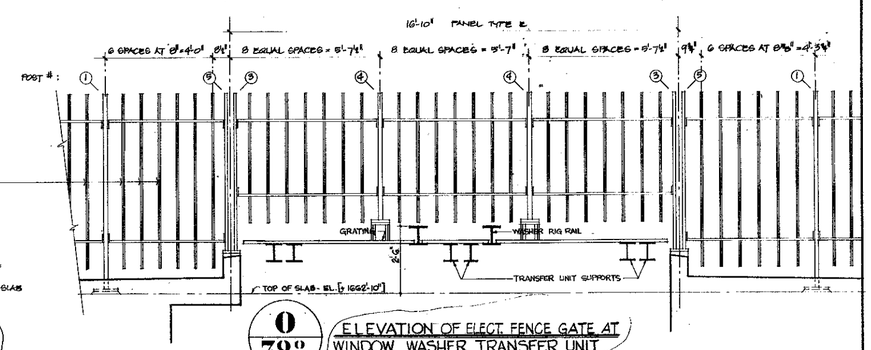
C 328 EXPANSION JOINT DETAIL
SCALE : HALF FULL SIZE



M 328 TYPICAL ELEVATION OF ELECTRIFIED FENCE

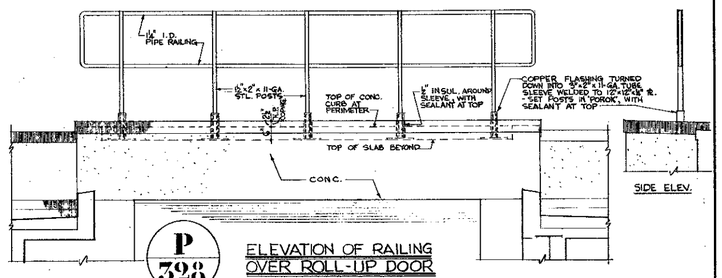


N 328 TYPICAL SECTION THRU ELECT. FENCE



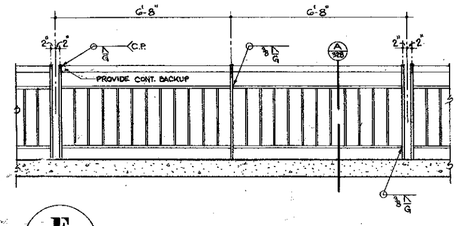
O 328 ELEVATION OF ELECT. FENCE GATE AT WINDOW WASHER TRANSFER UNIT

DETAILS AT STEEL FENCE
SCALE : ½" = 1'-0"

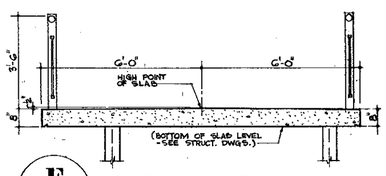


P 328 ELEVATION OF RAILING OVER ROLL-UP DOOR

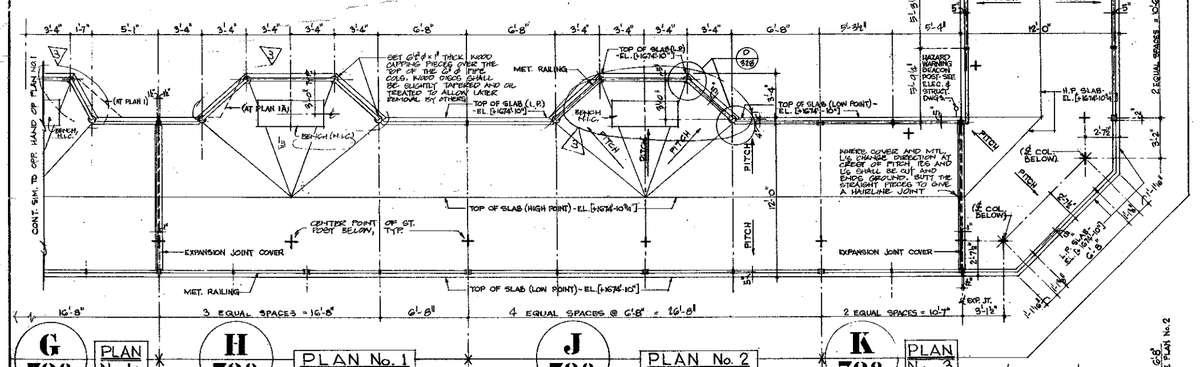
OBSERVATION DECK DETAILS



E 328 TYPICAL ELEVATION OF RAILING
SCALE : ½" = 1'-0"

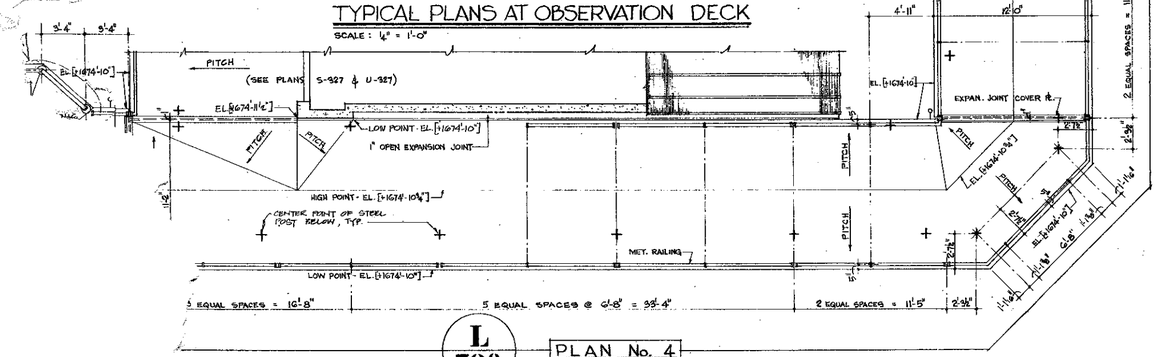


F 328 TYPICAL SECTION THRU OBSERVATION DECK
SCALE : ½" = 1'-0"

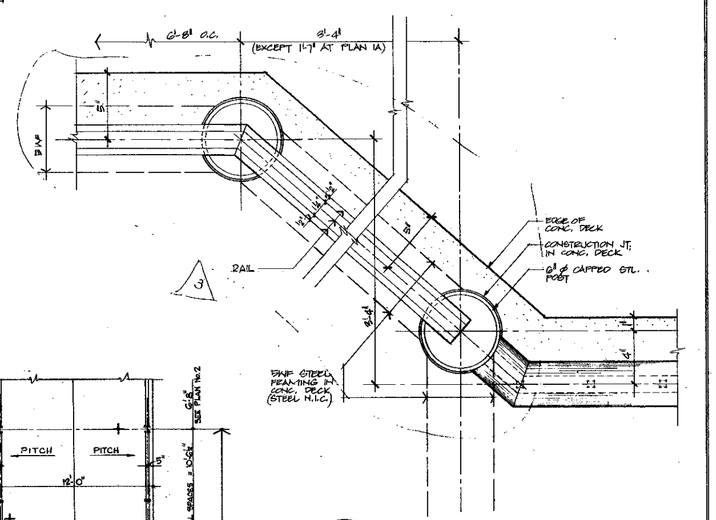


G 328 PLAN No. 1A
H 328 PLAN No. 1
J 328 PLAN No. 2
K 328 PLAN No. 3

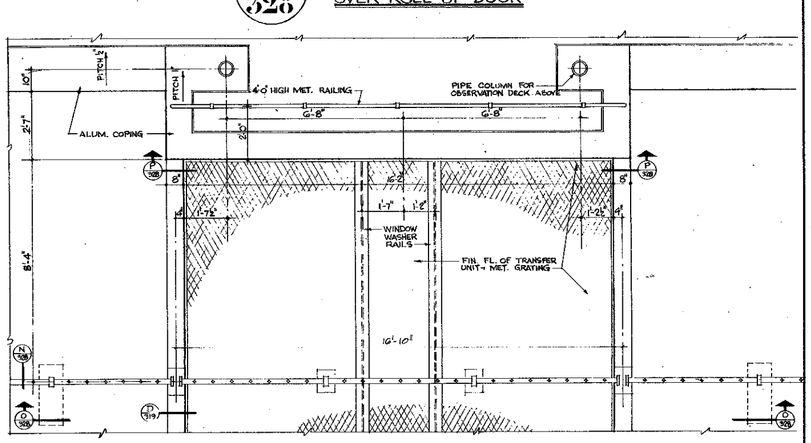
TYPICAL PLANS AT OBSERVATION DECK
SCALE : ¼" = 1'-0"



L 328 PLAN No. 4

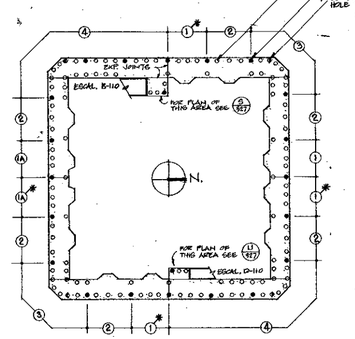


D 328 TYPICAL PLAN RAILING AT BENCHES
NOTE, WINDSCREENS RAILINGS AND BALUSTERS ARE N.I.C.
SCALE 3/4" = 1'-0"



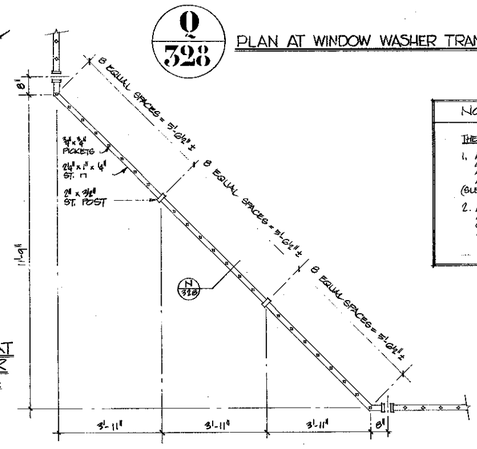
Q 328 PLAN AT WINDOW WASHER TRANSFER UNIT

POSITION OF MET. SLEEVES FOR RAILING POSTS SHOWN THUS ;-
○ SLEEVE/S WITHOUT BOTTOM HOLES, SEE PLANS FOR SLEEVE TYPE - SINGLE, DOUBLE, SPLIT DOUBLE.
● DOUBLE SLEEVES, 2 BOTTOM HOLES, ONE IN EACH HALF.
◐ DOUBLE SLEEVES, 1 BOTTOM HOLE IN HALF NEAREST CORNER.



KEY PLAN FOR OBSERVATION DECK TYPICAL PLANS
* ASTERISK DENOTES PLAN IS SIMILAR BUT OPPOSITE HAND
NOT TO SCALE.

R 328 PLAN AT CORNER PANEL



NOTE - N.I.C. ITEMS

THE FOLLOWING WORK IS N.I.C. :

1. AT OBSERVATION DECK - ALL POSTS, RAILINGS AND BALUSTERS. ALL RAILING LIGHTS AND ASSOCIATED WIRING. ALL BENCHES AND SUPPORTS (SLEEVES FOR POSTS ARE INCLUDED IN CONTRACT)
2. AT STEEL FENCE - ALL PICKET PANELS, i.e. PICKETS, RAILS, CONNECTING PLATES, BOLTS AND INSULATORS. ALL POSTS AND ELECTRIC WIRING.

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 9" 1'
½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date

NO.	DATE	BUL. NO.	BY
		6-876	L.J.
2	10-10-75	6-255	A.C.
1	9-10-75	9-251	T.F.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

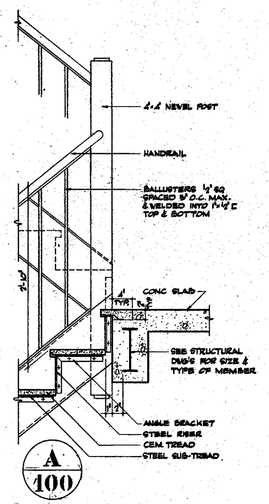
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: OBSERVATION DECK DETAILS & DETAILS AT STEEL FENCE

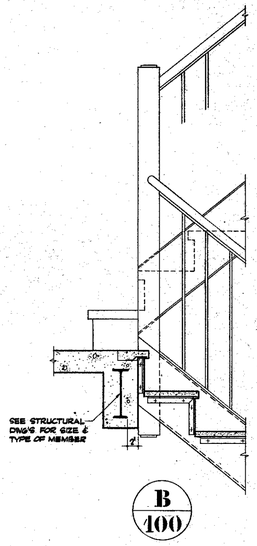
DRAWN	S.D.	CHECKED	
SCALE	1½"=1'-0" & 3"=1'-0"	DATE	6.22.73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·B·328		

File in AAB

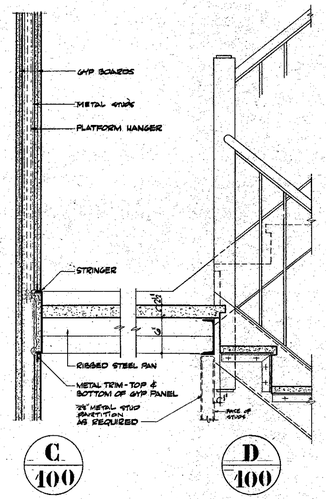
NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, & SCHEDULE OF DRAWINGS - SEE DWG'S AF-1 to AF-5
2. FOR GYPSUM PLANK PARTITION DETAILS SEE AF-12A
3. FOR STAIR SECTIONS, SEE DRAWINGS AF-98 to AF-100



A 100

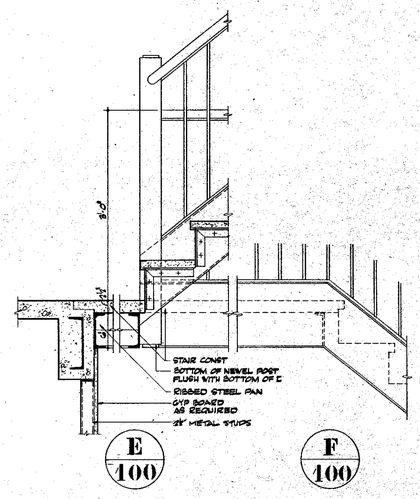


B 100



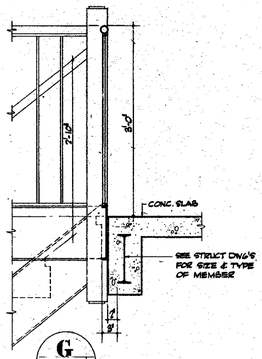
C 100

D 100

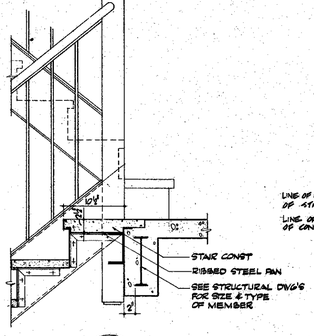


E 100

F 100



G 100



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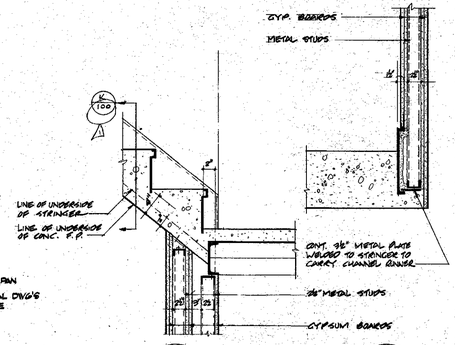
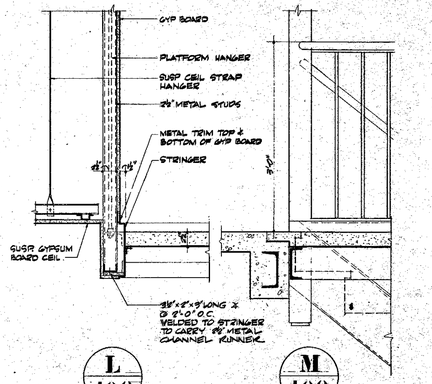


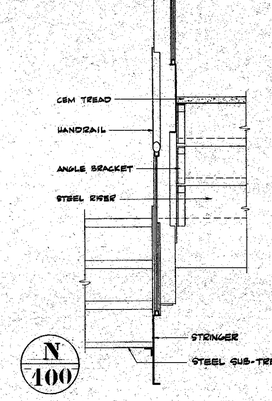
J 100

K 100

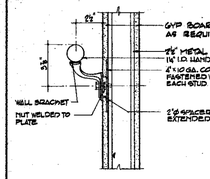


L 100

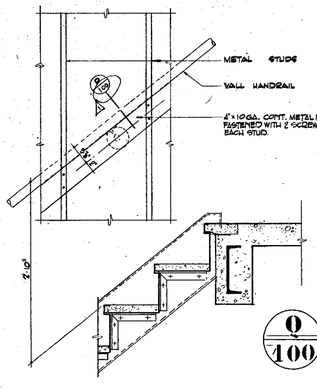
M 100



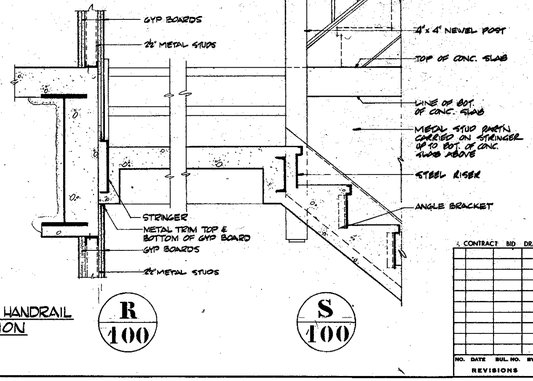
N 100



P 100

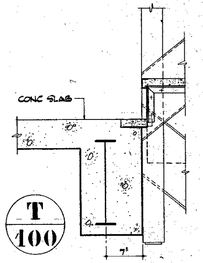


Q 100 TYPICAL HANDRAIL ELEVATION



R 100

S 100



T 100

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
270 PARK AVE S

1½"=1'-0"

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
		A	1-9-74

REVISIONS

NO.	DATE	SUB. NO.	BY
		1	1-7-75

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

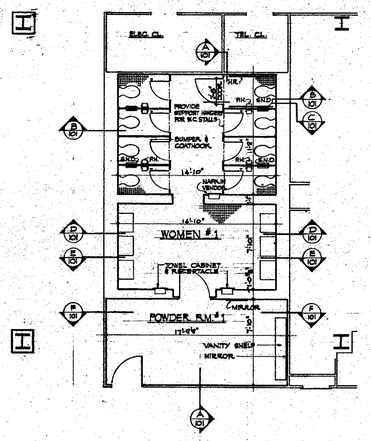
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

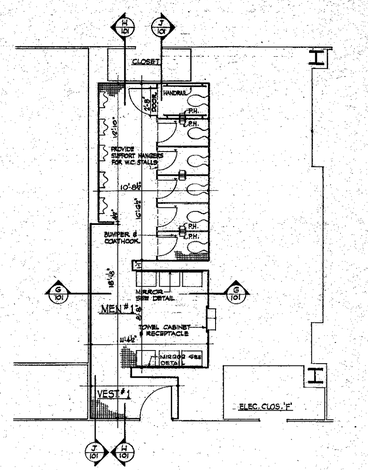
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS.

TITLE: SOUTHEAST PLAZA BUILDING
TYPICAL STAIR DETAILS

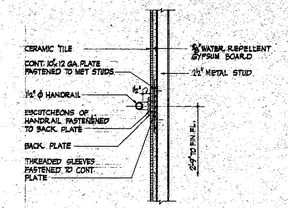
DRAWN	R.D.G.	CHECKED	
SCALE	1½"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·100		



TYPICAL WOMEN'S TOILET PLAN
SCALE 1/4"=1'-0"

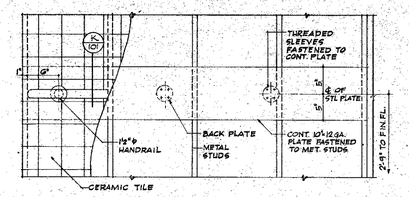


TYPICAL MEN'S TOILET PLAN
SCALE 1/4"=1'-0"

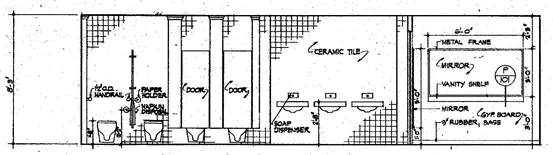


NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, SYMBOLS, DOOR SCHEDULE, FINISH SCHEDULE AND SCHEDULE OF DRAWINGS, SEE SHEETS A-F.1 TO A-F.5
2. TOILETS AND DIMENSIONS SHOWN ON THIS DWG ARE TYPICAL. FOR VARIATIONS SEE ARCHITECTURAL PLANS.
3. FOR CEILING FIXTURES, SEE ⅛"SCALE PLANS

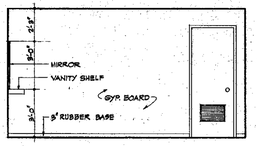
K/101 SECTION THRU HANDRAIL
SCALE: 1½"=1'-0"



L/101 ELEVATION AT HANDRAIL
SCALE: 1½"=1'-0"



ELEVATION
SCALE 3/8"=1'-0"
A/101



ELEVATION
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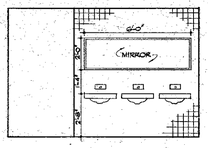
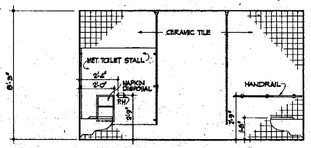
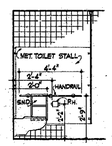
F/101



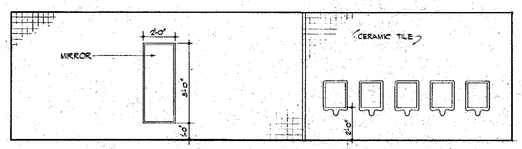
ELEVATION
SCALE 3/8"=1'-0"
G/101



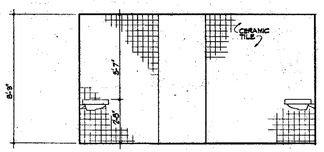
ELEVATION
SCALE 3/8"=1'-0"
B/101



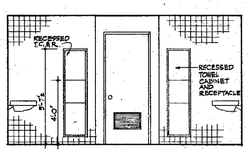
ELEVATION
SCALE 3/8"=1'-0"
C/101



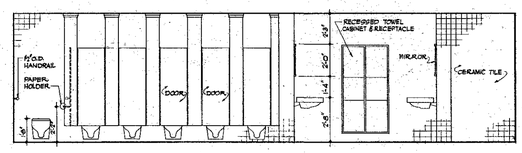
ELEVATION
SCALE 3/8"=1'-0"
H/101



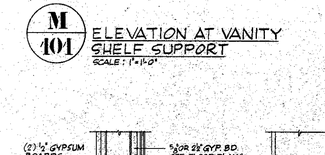
ELEVATION
SCALE 3/8"=1'-0"
D/101



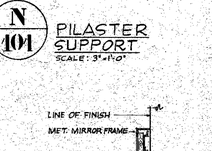
ELEVATION
SCALE 3/8"=1'-0"
E/101



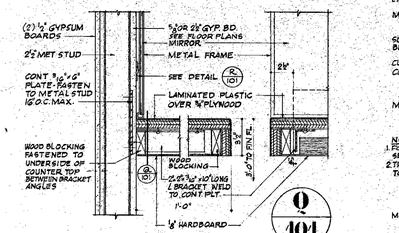
ELEVATION
SCALE 3/8"=1'-0"
J/101



M/101 ELEVATION AT VANITY SHELF SUPPORT
SCALE: 1"=1'-0"

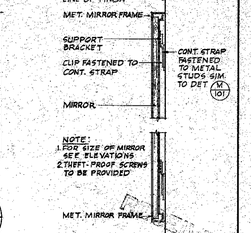


N/101 PILASTER SUPPORT
SCALE: 3"=1'-0"



P/101 SECTION THRU VANITY SHELF
SCALE: 3"=1'-0"

Q/101



R/101 MIRROR DETAILS
SCALE: 1½"=1'-0"

RECEIVED
FEB 28 1974
SHELLIS
HENTON

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	1-17-74	REV # 1	J.H.
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

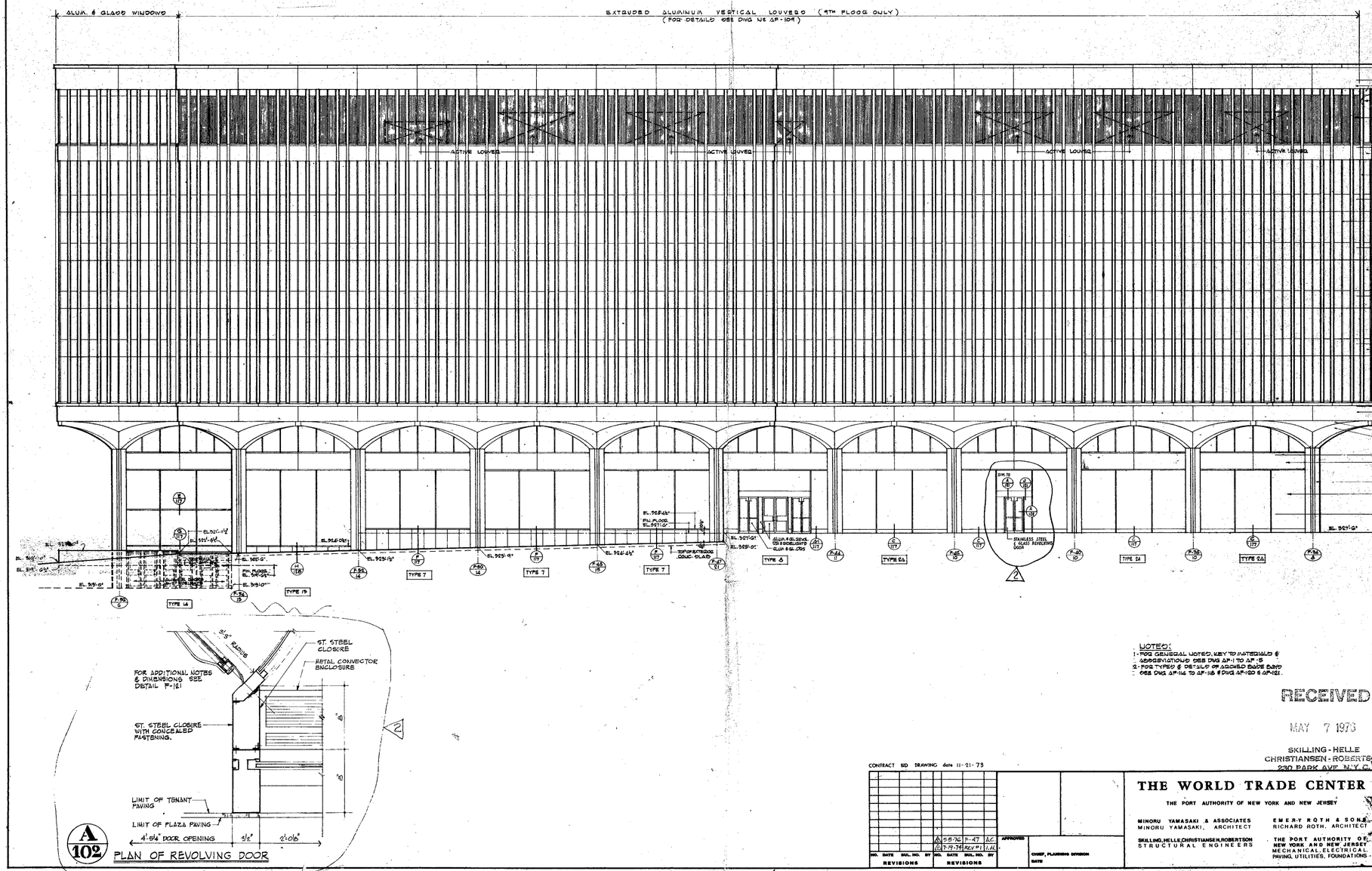
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
TYPICAL TOILET DETAILS

DRAWN	V.K.D. & H.K.	CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F· 101		



NOTES:
1 - FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG AP-1 TO AP-5
2 - FOR TYPES & DETAILS OF ASCHED DOOR BAND SEE DWG AP-114 TO AP-115 & DWG AP-120 & AP-121.

RECEIVED
MAY 7 1973

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

0 4' 8' 16' 24'
1/16"=1'-0"

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
A	5-5-74	F-47	L.C.
A1	7-19-74	REV. P1	L.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

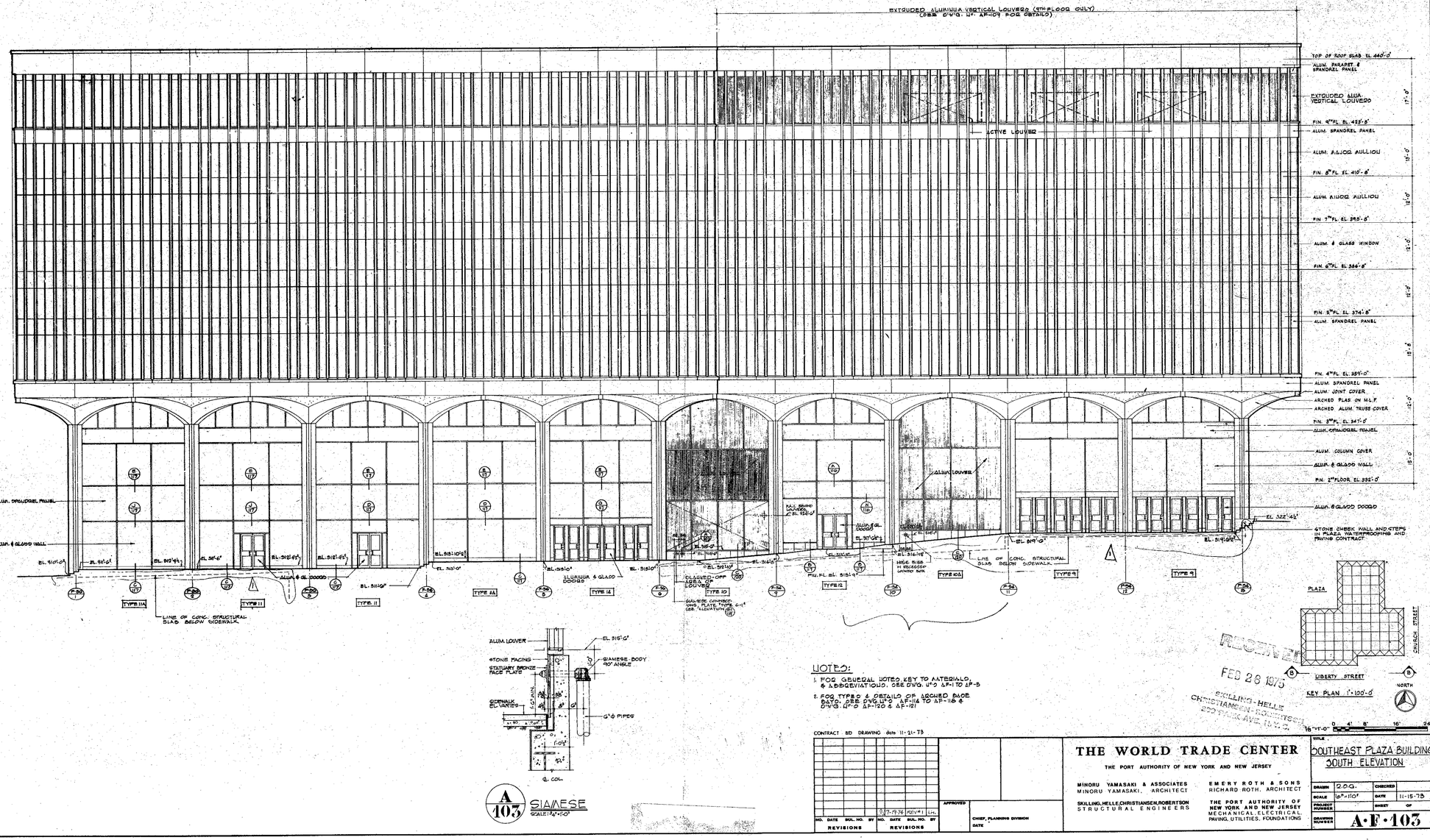
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

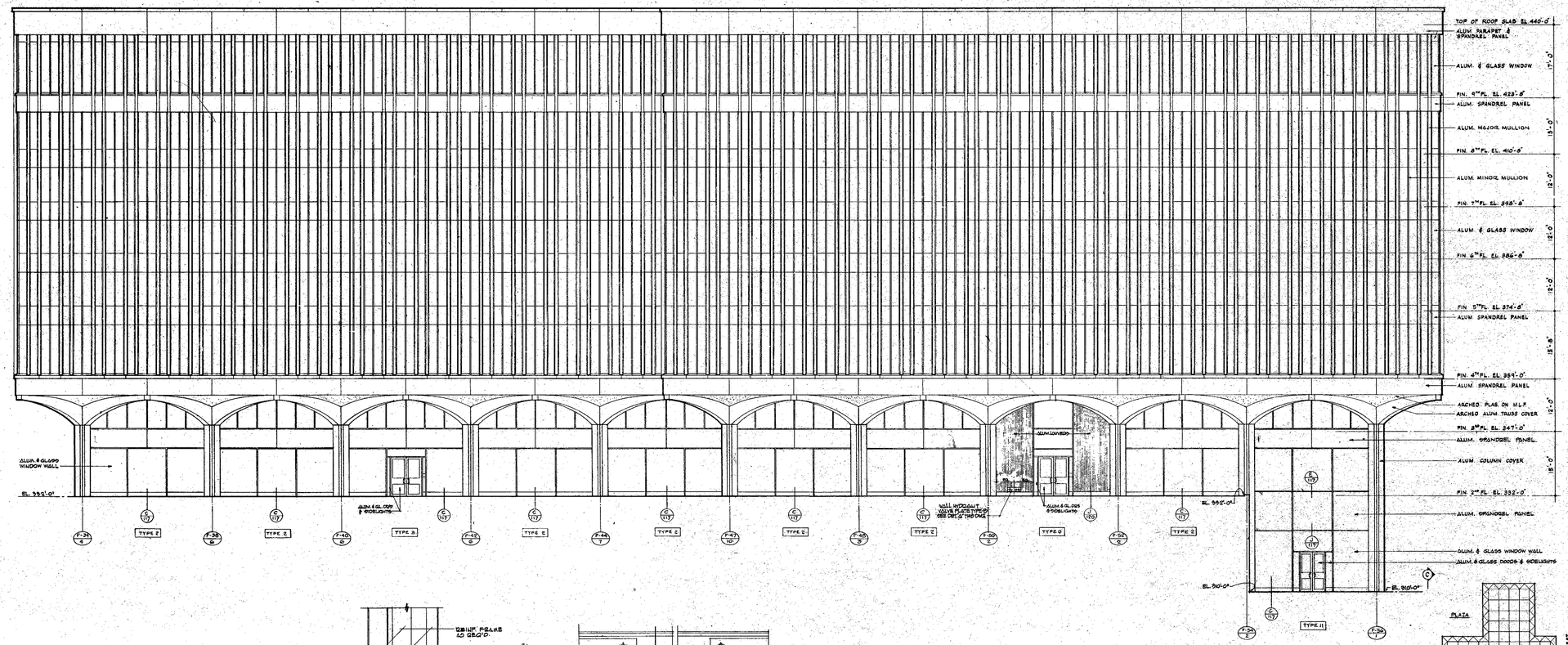
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF N.Y. AND N.J.
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
EAST ELEVATION

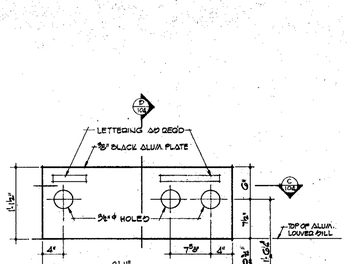
DRAWN	G.A.
CHECKED	
SCALE	1/16"=1'-0" & 3/32" NOTED
DATE	11-15-73
PROJECT NUMBER	
SHEET NO.	OF
DRAWING NUMBER	A-P-102


EXTRUDED ALUMINUM VERTICAL LOUVERS (7TH FLOOR ONLY)
(SEE DWG. NO. AF-104 FOR DETAILS)
TOP OF ROOF SLAB EL 440'-0"
ALUM. PARAPET & SPANDREL PANEL
EXTRUDED ALUM. VERTICAL LOUVERS
FIN. 7TH FL. EL. 422'-8"
ALUM. SPANDREL PANEL
ALUM. & GLASS MULLION
FIN. 6TH FL. EL. 410'-8"
ALUM. & GLASS MULLION
FIN. 5TH FL. EL. 398'-8"
ALUM. & GLASS WINDOW
FIN. 4TH FL. EL. 386'-8"
FIN. 3RD FL. EL. 374'-8"
ALUM. SPANDREL PANEL
FIN. 4TH FL. EL. 359'-0"
ALUM. SPANDREL PANEL
ALUM. JOINT COVER
ARCHED PLAS ON M.L.P.
ARCHED ALUM. TRUSS COVER
FIN. 3RD FL. EL. 347'-0"
ALUM. SPANDREL PANEL
ALUM. COLUMN COVER
ALUM. & GLASS WALL
FIN. 2ND FLOOR EL. 332'-0"
ALUM. & GLASS DOODO
STONE CHEEK WALL AND STEPS IN PLAZA WATERPROOFING AND PAVING CONTRACT
ACTIVE LOUVERS
ALUM. LOUVER
ALUM. SPANDREL PANEL
ALUM. & GLASS WALL
EL. 510'-0"
EL. 512'-6"
EL. 513'-4½"
EL. 514'-6"
EL. 515'-6½"
EL. 516'-10½"
EL. 515'-10"
EL. 515'-10"
EL. 515'-10

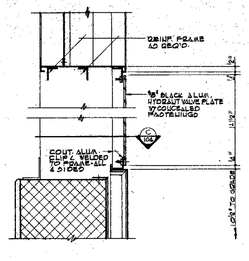


NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS AND ABBREVIATIONS SEE DWG WDD AP-1 TO AP-5
2- FOR TYPES & DETAILS OF ARCHED EDGE SEE DWG
3- WEST WALL LOUVERS SEE DWGS WDD AP-114 TO AP-121

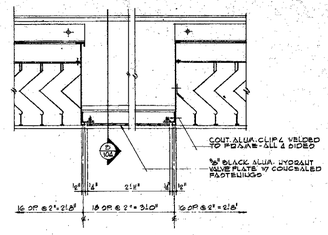
RECEIVED
FEB 28 1975
SKILLING · HELLE
CHRISTIANSEN · ROBERTSON
220 PARK AVE.



A/104 WALL HYDRANT VALVE PLATE TYPE "B"
FOR ADD. INFO. SEE DET. 3 DWG AP-120
SCALE: 1½" = 1'-0"



B/104 SECTION
SCALE: 3"=1'-0"



C/104 PLAN
SCALE: 3"=1'-0"

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

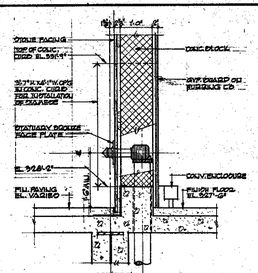
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

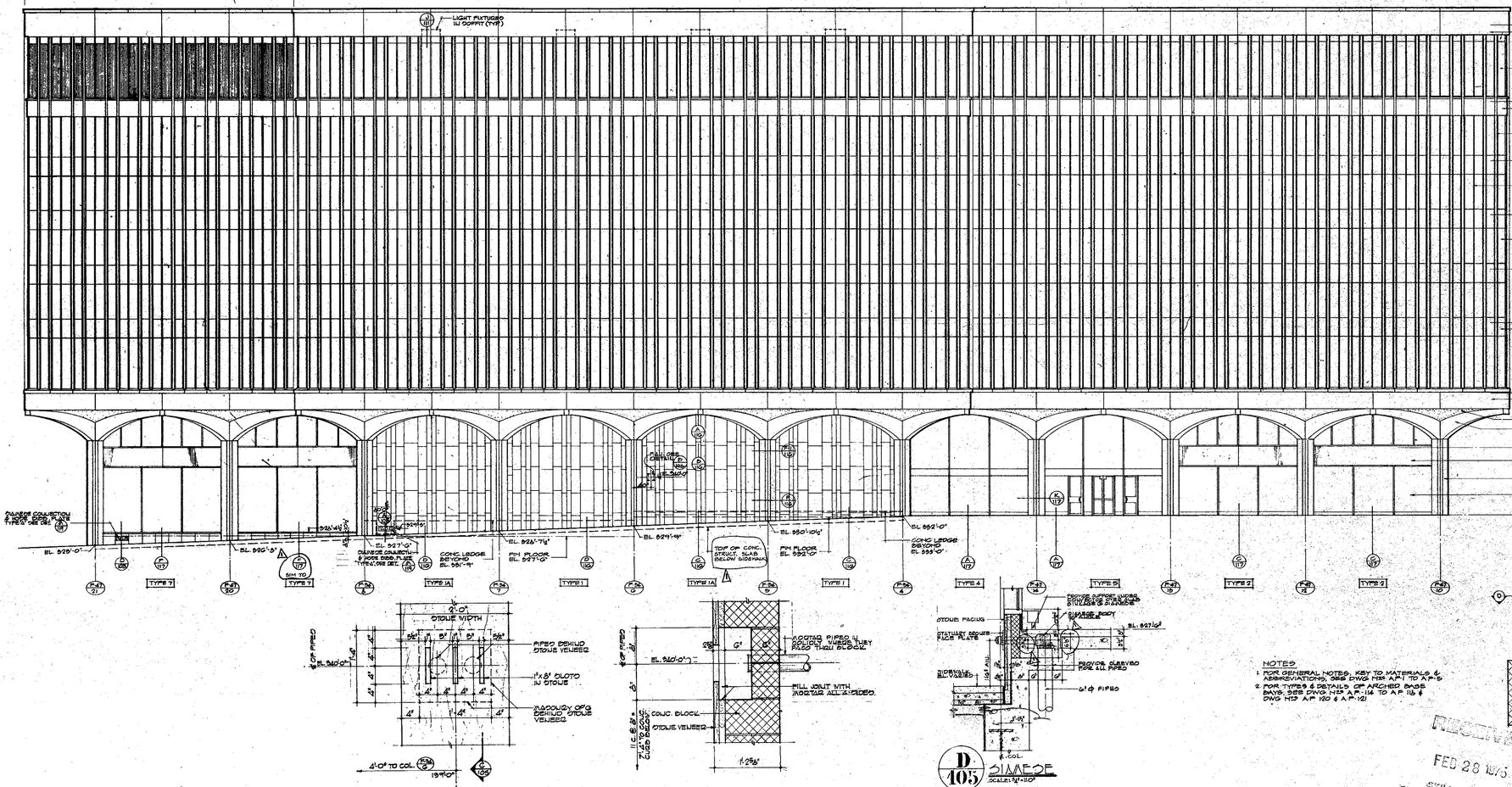
TITLE: SOUTHEAST PLAZA BUILDING WEST ELEVATION

DRAWN	G.D.G.	CHECKED	
SCALE	1/8"=1'-0" AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-104		



A/105 FAÇADE
SCALE: 3/4"=1'-0"

EXTRUDED ALUM. VERTICAL LOUVERS (9TH FL. ONLY)
SEE DWG NO A.P. 109 FOR DETAILS



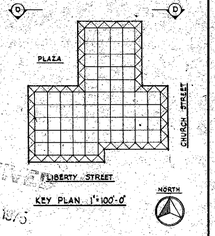
B/105 SLOTTED OTOUE PATTERN WEST OF COL. (F-24 G)
SCALE: 1½"=1'-0"

C/105 SECTION THRU F.A.I.
SCALE: 1½"=1'-0"

D/105 SIAMESE
SCALE: 1½"=1'-0"

PLUMBING FRESH AIR INTAKE

NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG NO A.P.-10 A.P.-5
2. FOR TYPES & DETAILS OF ARCHED BAYS, SEE DWG NO A.P.-114 TO A.P. 116 & DWG NO A.P. 120 & A.P.-121



KEY PLAN 1"=100'-0"

NORTH

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN ROBERTSON

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
1	1-17-76	REV. 1	LH.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
NORTH ELEVATION

DRAWN	E.P.D.	CHECKED	
SCALE	1/8"=1'-0" AS NOTED	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·P·105		

TYPICAL INTERIOR CORNER ELEVATION & SECTION

TYPICAL BAY ELEVATION

TYPICAL EXTERIOR CORNER ELEVATION

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES, P.C.
211 EAST 46TH ST., N.Y.C. 10017

NOTES:
1. FOR GENERAL NOTES SEE TYPICAL PLAN & ABBREVIATIONS SEE D-902 A5-10 & A5-11.
2. FOOTNOTED & DETAILS & ARCHED PAGE DATA SEE D-903 A5-01, 02, 12-18, 103-121.

CONTRACT 5th DRAWING date 11-21-75

NO.	DATE	REVISION	BY
5	5-17-76	F-65 C.L.C.	
6	10-15-76	F-65 C.L.C.	

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

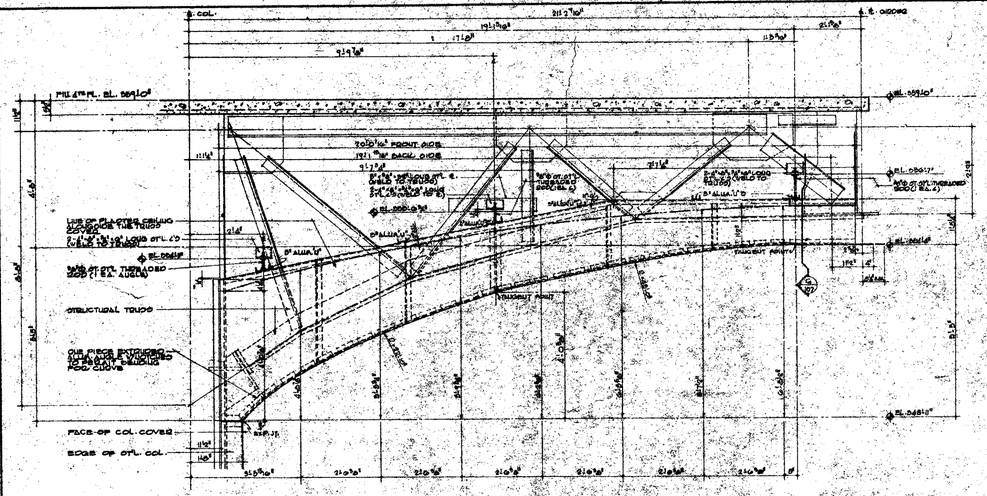
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PLUMBING, UTILITIES, FOUNDATIONS

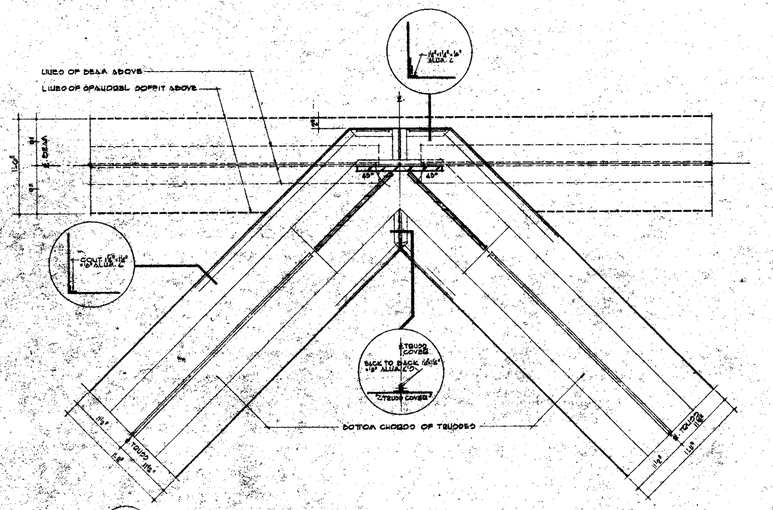
TITLE: SOUTHEAST PLAZA BUILDING
TYPICAL BAY ELEVATION & SECTION

DRAWN	D.O.G.	CHECKED	
SCALE	1/2"=1'-0"	DATE	11-21-75
PROJECT MANAGER		REVISED DATE	
DRAWING NUMBER	A-F-106		

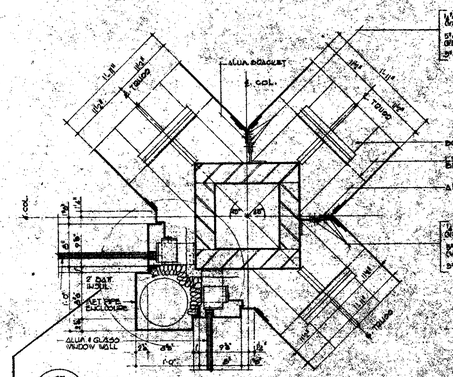


A/107 TRUE SIZE ELEVATION OF ALUMINUM TRUSS COVER

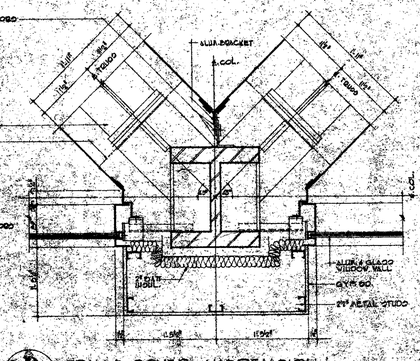
SCALE: 3/8"=1'-0"



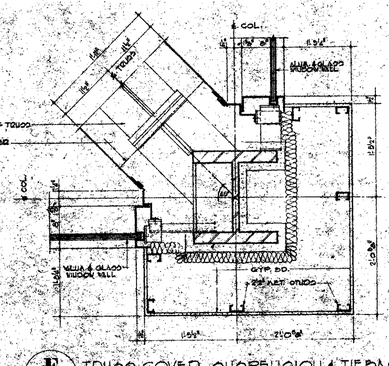
B/107 TRUSS COVER SUSPENSION AT CANTILEVER



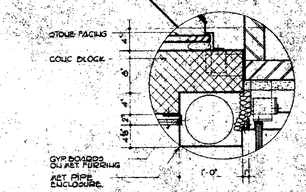
C/107 TRUSS COVER SUSPENSION & TIE BACK AT 3RD FLOOR OUTSIDE CORNER COLUMN



D/107 TRUSS COVER SUSPENSION & TIE BACK AT COLUMN

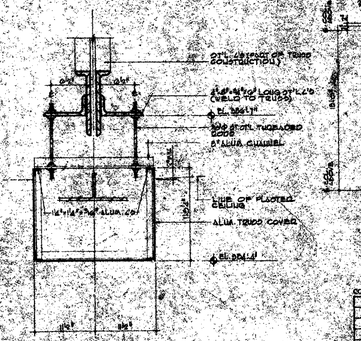


E/107 TRUSS COVER SUSPENSION & TIE BACK AT INSIDE CORNER COLUMN

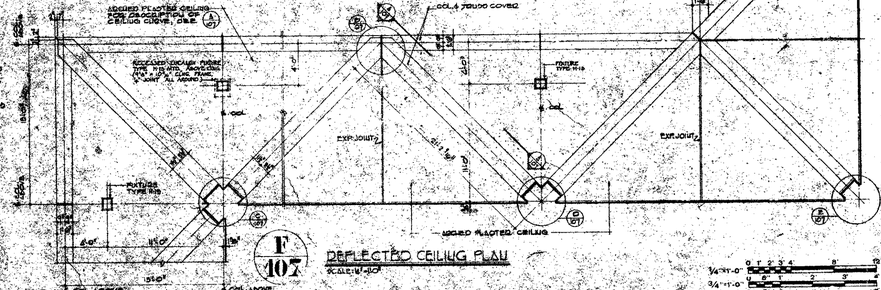


3RD FLOOR COLUMNS F-34/4 & F-34/8

NOTES:
1. SPRAY-ON F.P. ON STRUCTURAL MEMBERS IS NOT SHOWN ON THIS DRAWING FOR ILLUSTRATION PURPOSES.
2. FOR ANCHORAGE OF COLUMN COVERS & ALUMINUM & GLASS WINDOW WALL SEE DWGS. A-F-116
3. FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWG NOS. AF-1 TO AF-5



G/107 SECTION THRU TRUSS COVER



F/107 DEFLECTED CEILING PLAN

SCALE: 1/8"=1'-0"

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT NO. DRAWING ADM. 11-21-75

REVISIONS

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES ARCHITECT
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

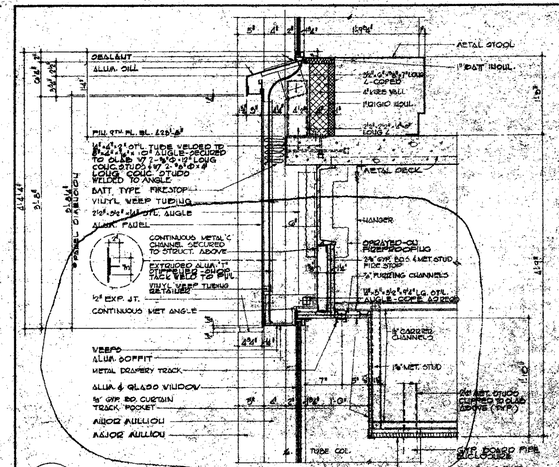
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

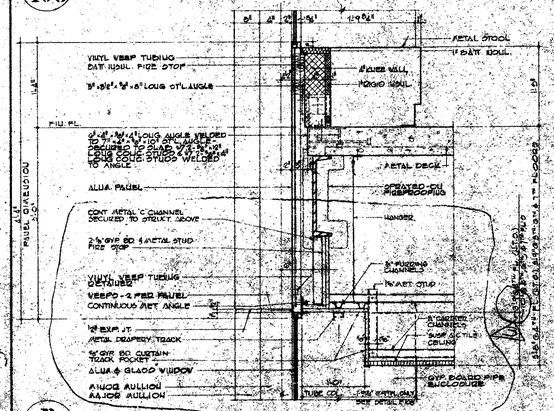
OWNER, PLANNING DIVISION
DATE

WTC SOUTHEAST PLAZA BUILDING
TRUSS COVER DETAILS

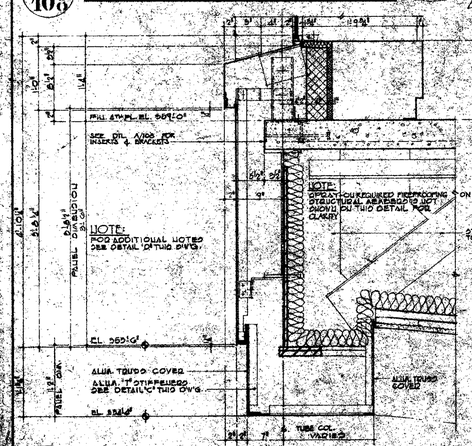
DRAWN: C.O.G. | CHECKED:
SCALE: 3/8"=1'-0" AS NOTED | DATE: 11-15-75
PROJECT NUMBER | SHEET | OF
DRAWING NUMBER: A-F-107



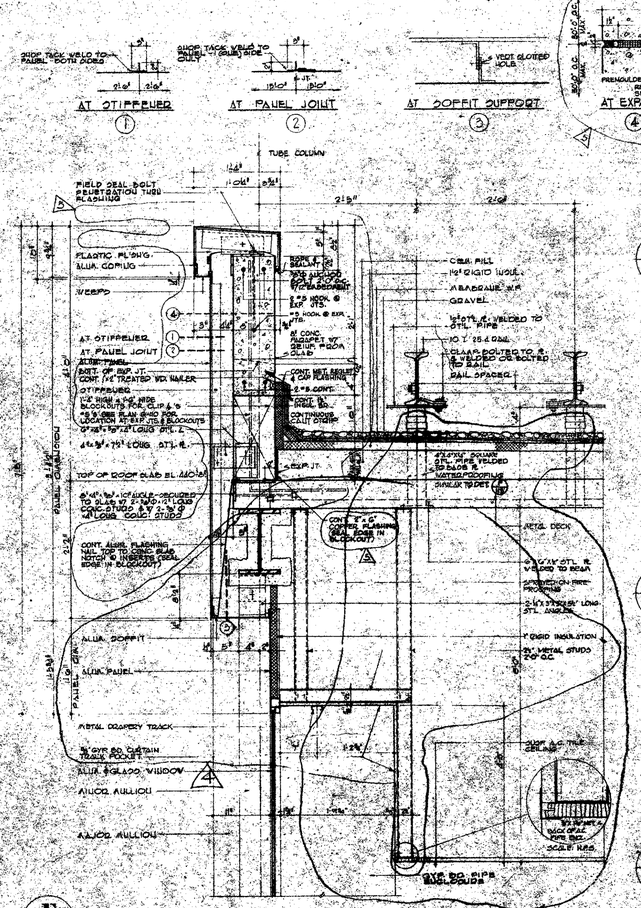
C/108 SECTION THRU 9TH FLOOR SPANDREL



B/108 SECTION THRU TYPICAL SPANDREL



A/108 SECTION THRU 4TH FLOOR SPANDREL & TRUSS COVER



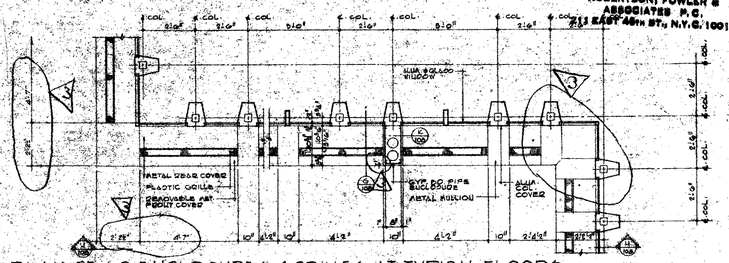
D/108 SECTION THRU 4TH FLOOR SPANDREL

E/108 SECTION THRU ROOF PARAPET & SPANDREL

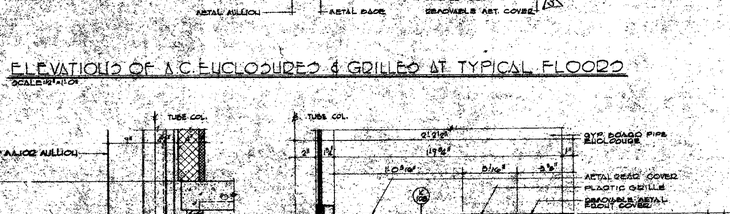
K/108 SECTION THRU A.C. & PIPE ENCLOSURE COVERS
SCALE: 3"=1'-0"

L/108 SECTION THRU FRONT OF A.C. ENCLOSURE MULLION
SCALE: 3"=1'-0"

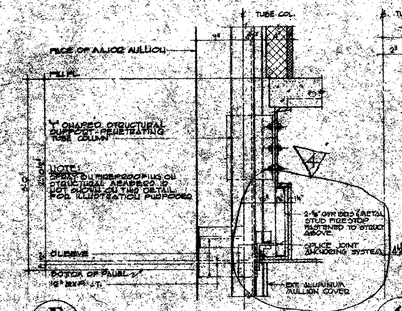
RECEIVED
DEC 28 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
214 EAST 46TH ST., N.Y.C. 10017



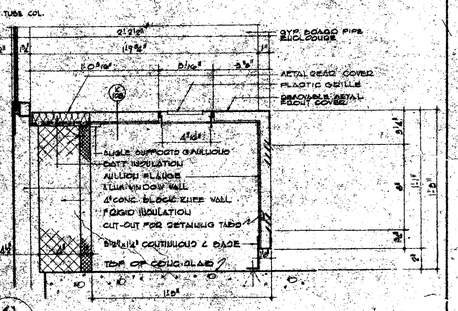
J/108 PLAN OF A.C. ENCLOSURES & GRILLES AT TYPICAL FLOORS
SCALE: 3"=1'-0"



H/108 ELEVATIONS OF A.C. ENCLOSURES & GRILLES AT TYPICAL FLOORS
SCALE: 3"=1'-0"



F/108 EXP. JT. AT MAJOR MULLION



G/108 TYPICAL SECTION THRU A.C. ENCLOSURE 7TH THRU 9TH FLOORS
SCALE: 3"=1'-0"

NO.	DATE	REVISIONS	BY
1	5-17-78	F.R.S.	
2	9-19-78	I.D.	
3	11-3-78	REV. #1	
4	11-7-78	REV. #1	

CONTRACT NO. DRAWING ISSUED 11-15-78

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

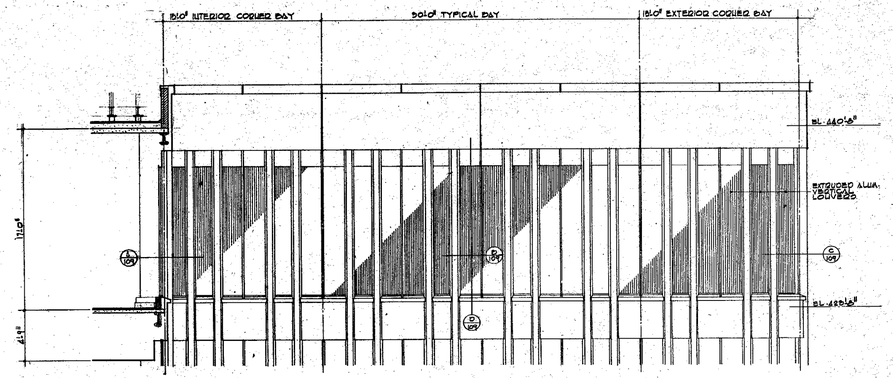
SKILLING, HELLE, CHRIST, ANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

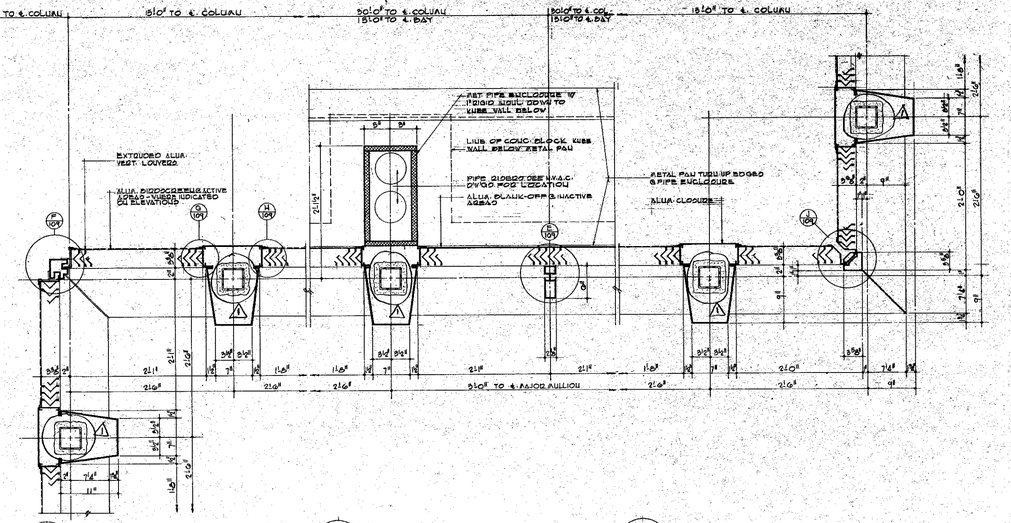
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING CURTAIN WALL DETAILS

DRAWN	R.O.G.
SCALE	AS NOTED
PROJECT	
DRAWING NUMBER	A-F-102
CHECKED	
DATE	11-15-78
SHEET	OF



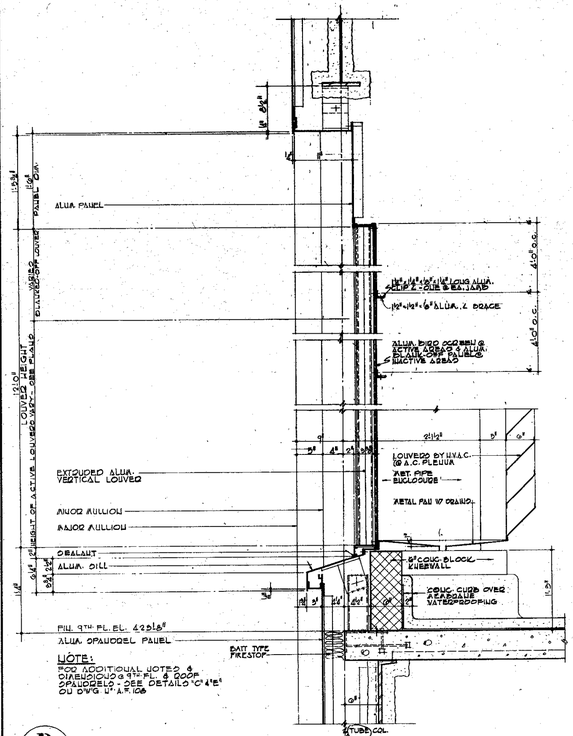
PARTIAL ELEVATION FACADE AT 9TH FLOOR
SCALE: 1/8"=1'-0"



A/109 INTERIOR CORNER DETAIL
SCALE: 1 1/2"=1'-0"

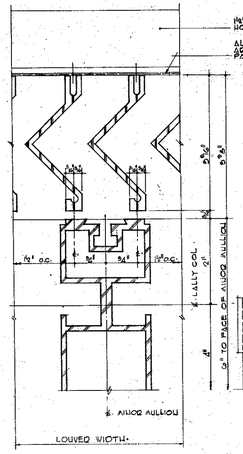
B/109 TYPICAL BAY DETAIL
SCALE: 1 1/2"=1'-0"

C/109 EXTERIOR CORNER DETAIL
SCALE: 1 1/2"=1'-0"

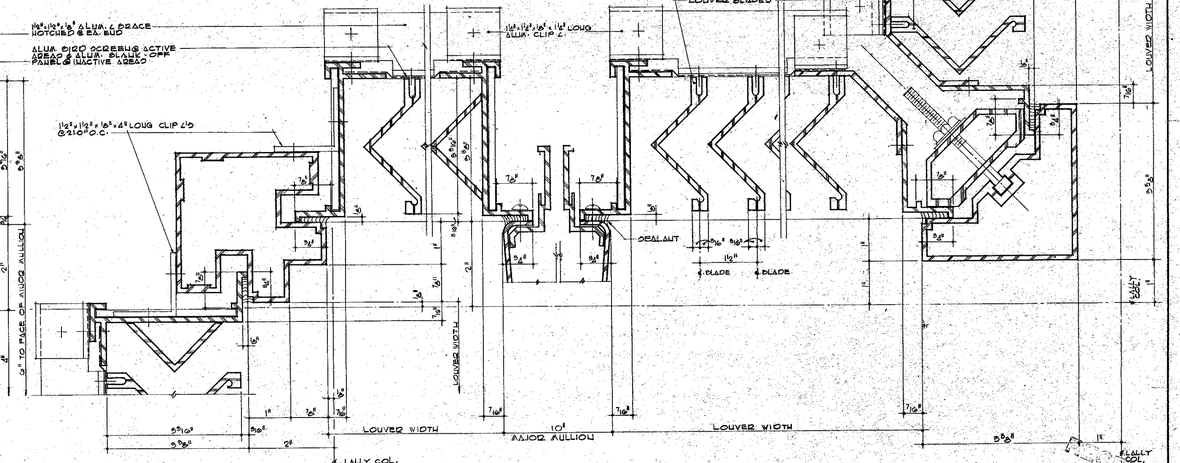


NOTE:
FOR ADDITIONAL NOTES & DIMENSIONS @ 9TH FL. & SPANDRELS - SEE DETAILS 'C' & 'E' ON DWG. 1" A.F. 108

D/109 SECTION THRU VERTICAL LOUVERS AT 9TH FLOOR
SCALE: 1 1/2"=1'-0"



E/109 MINOR MULLION
SCALE: FULL SIZE



F/109 JAMB AT INTERIOR CORNER
SCALE: FULL SIZE

G/109 JAMB
SCALE: FULL SIZE

H/109 JAMB
SCALE: FULL SIZE

J/109 JAMB AT EXTERIOR CORNER
SCALE: FULL SIZE

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. 1"D. AF-1 TO AF-5.

CONTRACT BID DRAWING date 11-21-79

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS
			1	12-13-79	REV. #1 2.6.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

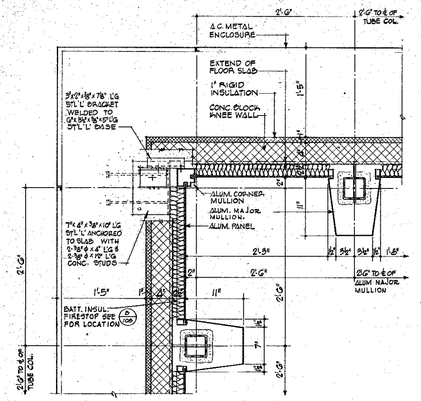
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING LOUVER DETAILS AT 9TH FLOOR

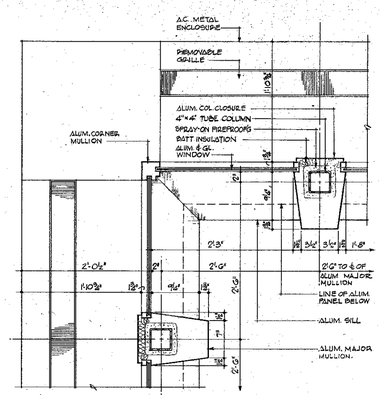
DRAWN	R.D.G.	CHECKED	
SCALE	AS NOTED	DATE	11-15-79
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·109		

1/4"=1'-0" 0 1 2 3 4' 8 12
3 1/2"=1'-0" 0 3" 6" 1' 2' 5'

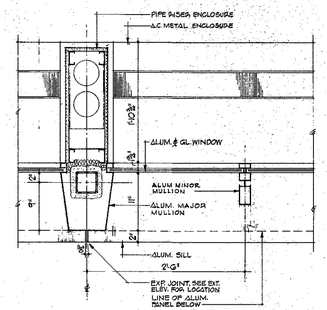
RECEIVED
FEB 26 1979
SKIDMORE, OWINGS & MERRILL
BANK ARCHIVES



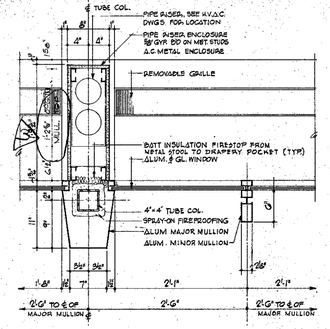
C 110 INTERIOR CORNER DETAIL AT TYP. FLOOR (BELOW SILL)



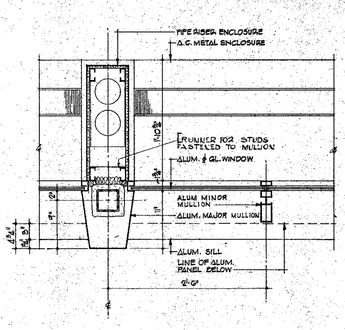
F 110 INTERIOR CORNER DETAIL AT 9TH FLOOR (ABOVE SILL)



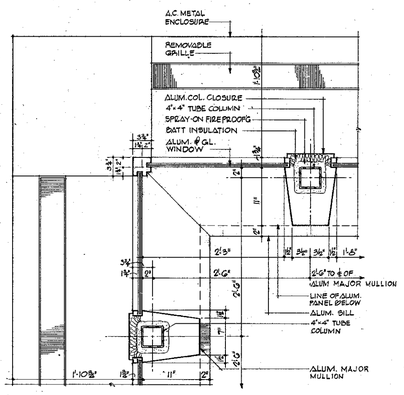
J 110 TYPICAL BAY DETAIL AT 4TH FLOOR (ABOVE SILL)



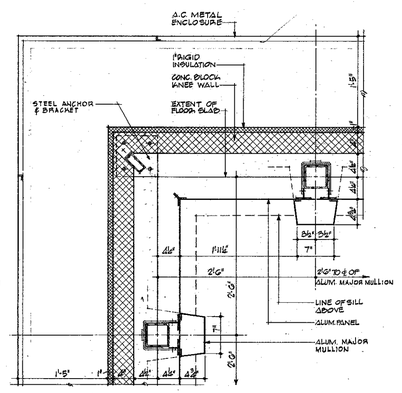
L 110 TYPICAL BAY DETAIL AT TYP. FLOOR (ABOVE SILL)



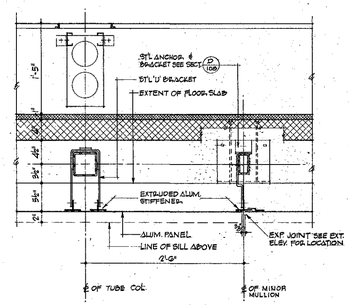
N 110 TYPICAL BAY DETAIL AT 9TH FLOOR (ABOVE SILL)



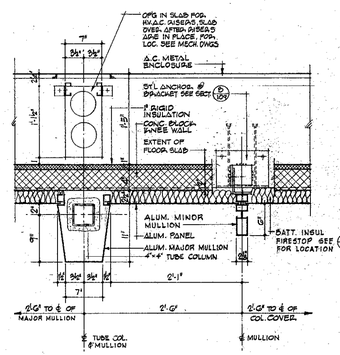
B 110 INTERIOR CORNER DETAIL AT 4TH FLOOR (ABOVE SILL)



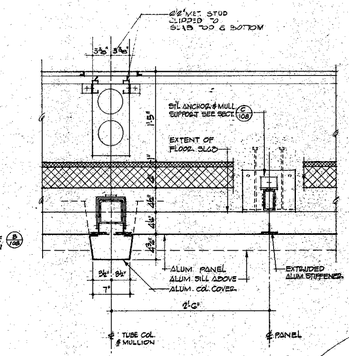
E 110 INTERIOR CORNER DETAIL AT 9TH FLOOR (BELOW SILL)



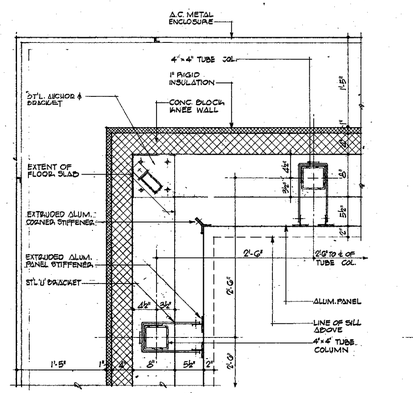
H 110 TYPICAL BAY DETAIL AT 4TH FLOOR (BELOW SILL)



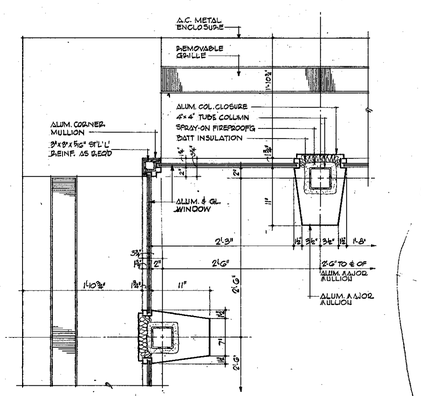
K 110 TYPICAL BAY DETAIL AT TYP. FLOOR (BELOW SILL)



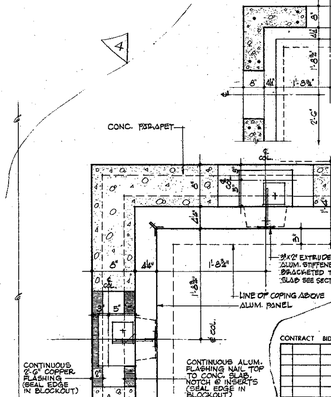
M 110 TYPICAL BAY DETAIL AT 9TH FLOOR (BELOW SILL)



A 110 INTERIOR CORNER DETAIL AT 4TH FLOOR (BELOW SILL)

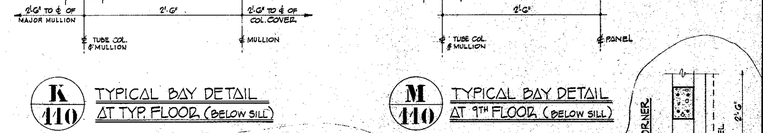


D 110 INTERIOR CORNER DETAIL AT TYP. FLOOR (ABOVE SILL)



G 110 INTERIOR CORNER DETAIL AT ROOF PARAPET (BELOW COPING)

NOTE: SEE PLAN ABOVE G-1/110 FOR CONCRETE REINFORCING LOCATION.



G-1 110 PLAN

SCALE: 3/4"=1'-0"

NOTE: SEE DETAIL G/110 & G/111 FOR BRACKETS & FLASHING LOCATIONS & NOTES

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
250 PARK AVE. N.Y.C.

NOTES:
1. FOR CLARITY OF ILLUSTRATION REQUIRED SPRAY-ON FIREPROOFING OF STRUCTURAL MEMBERS IS NOT SHOWN ON CERTAIN DETAILS.
2. FOR GENERAL NOTES, KEY TO MATERIALS AND ABBREVIATIONS SEE DWGS. A-F-1 TO A-F-5.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	BUL. NO.	BY
		REVISIONS	
A	9-23		L.J.
B	10-17-75	P-15	J.K.
C	11-13-74	REV. #2	DS
D	11-19-74	REV. #1	L.K.
NO.	DATE	BUL. NO.	BY
		REVISIONS	

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

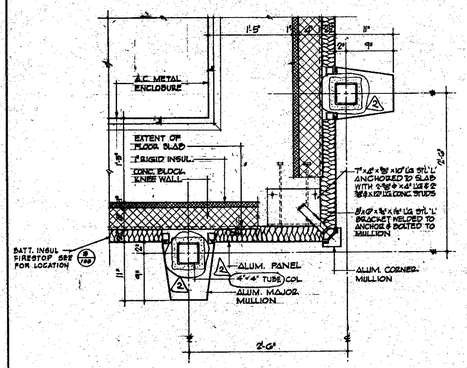
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

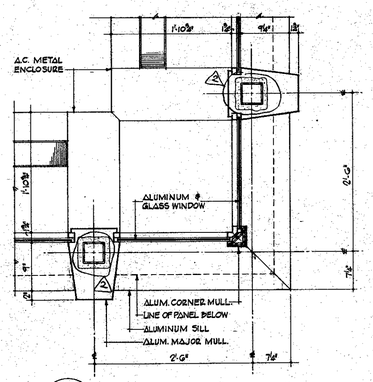
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING CURTAIN WALL DETAILS

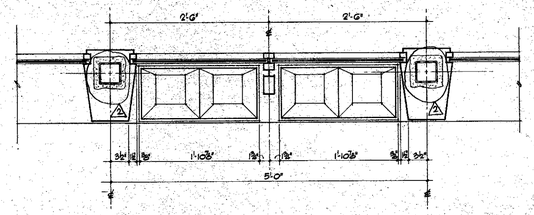
DRAWN	D.A.	CHECKED	
SCALE	1½"=1'-0"	DATE	JI-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-110		



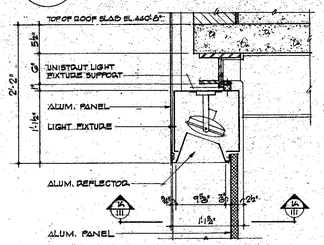
C 111 EXT. CORNER DETAIL AT TYP. FLOOR (BELOW SILL)



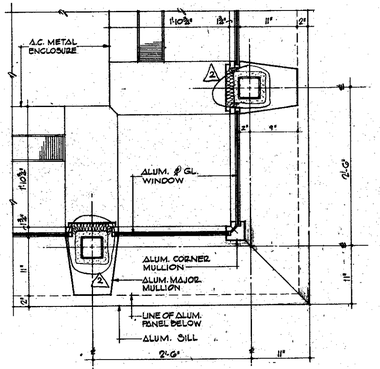
F 111 EXT. CORNER DETAIL AT 9TH FLOOR (ABOVE SILL)



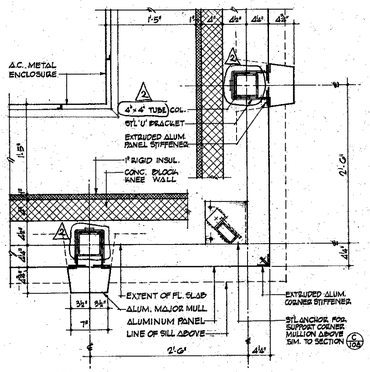
K 111 REFLECTED CEILING PLAN OF NINTH FLOOR SOFFIT LIGHTS



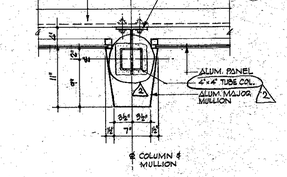
J 111 LIGHT FIXTURE AT NINTH FLOOR SOFFIT



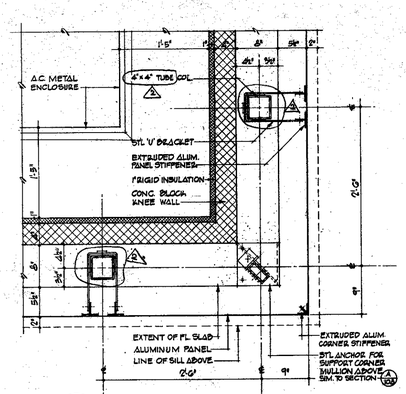
B 111 EXT. CORNER DETAIL AT 4TH FLOOR (ABOVE SILL)



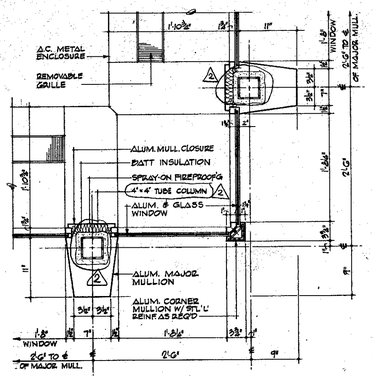
E 111 EXT. CORNER DETAIL AT 9TH FLOOR (BELOW SILL)



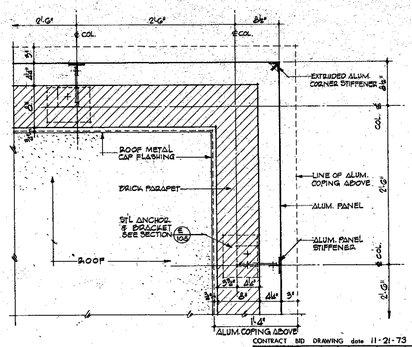
H 111 COLUMN SUPPORT DETAIL AT TYPICAL FLOOR



A 111 EXT. CORNER DETAIL AT 4TH FLOOR (BELOW SILL)



D 111 EXT. CORNER DETAIL AT TYP. FLOOR (ABOVE SILL)



G 111 EXT. CORNER DETAIL AT ROOF PARAPET (BELOW COPING)

NOTES:
1. FOR CLARITY OF ILLUSTRATION REQUIRED SPRAY-ON FIREPROOFING OF STRUCTURAL MEMBERS IS NOT SHOWN ON CERTAIN DETAILS.
2. FOR GENERAL NOTES, KEY TO MATERIALS, & ABBREVIATIONS SEE DWG NOS. AF-1 TO AF-3

RECEIVED FEB 26 1973 SKILLING-HELLE CHRISTIANSEN-ROBERTSON NEW YORK, N.Y.

1/2"=1'-0"

CONTRACT BD DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
2	9-15-74	ADD'N #2	GB
1	7-15-74	ADD'N #1	I.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

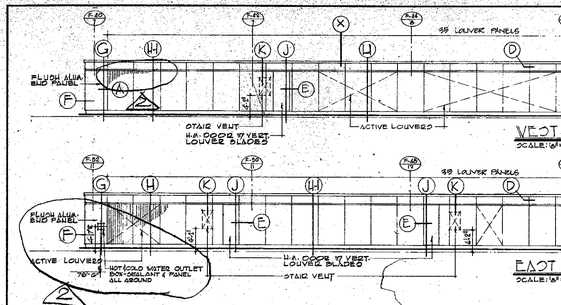
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

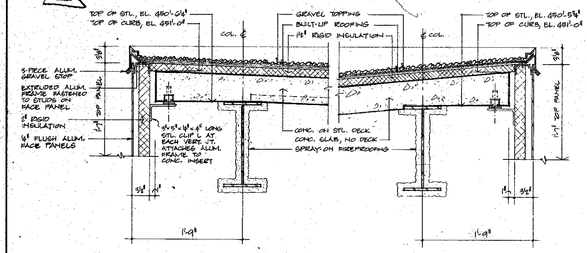
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

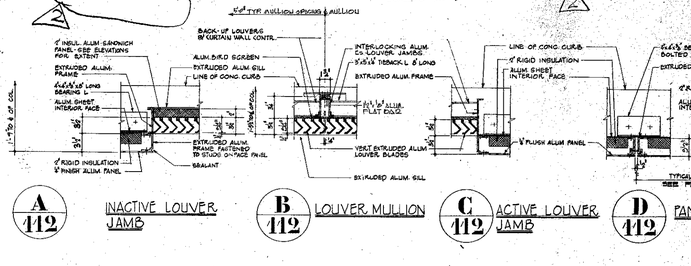
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

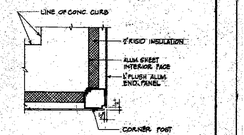
TITLE: SOUTHEAST PLAZA BUILDING CURTAIN WALL DETAILS

DRAWN	G.A.	CHECKED	
SCALE	1½" = 1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·111		









NOTE:
FOR LOUVERS OF SIMILAR CONFIGURATION SEE DWG 1" MAP 109.

F 112

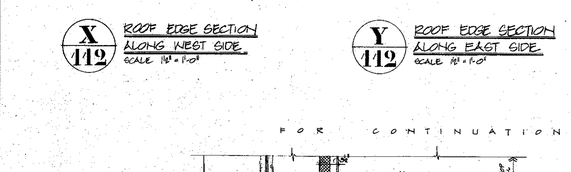
A 112 INACTIVE LOUVER JAMB

B 112 LOUVER MULLION

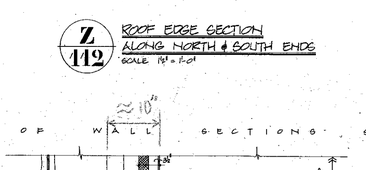
C 112 ACTIVE LOUVER JAMB

D 112 PANEL JOINT

E 112 DOOR JAMB



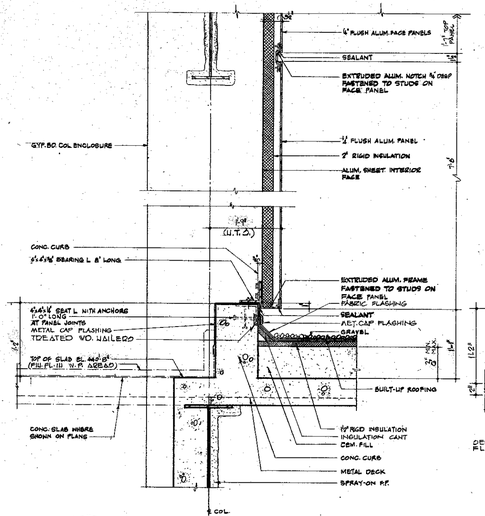
X 112 ROOF EDGE SECTION ALONG WEST SIDE
SCALE 1½" = 1'-0"



Y 112 ROOF EDGE SECTION ALONG EAST SIDE
SCALE 1½" = 1'-0"

Z 112 ROOF EDGE SECTION ALONG NORTH & SOUTH ENDS
SCALE 1½" = 1'-0"

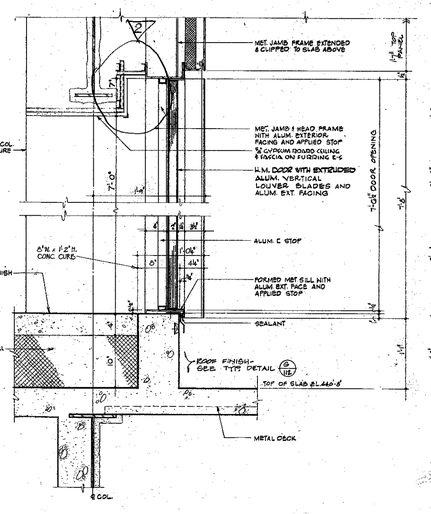
FOR CONTINUATIONS OF WALL SECTIONS, SEE ROOF EDGE SECTIONS 'X', 'Y' AND 'Z' ABOVE.



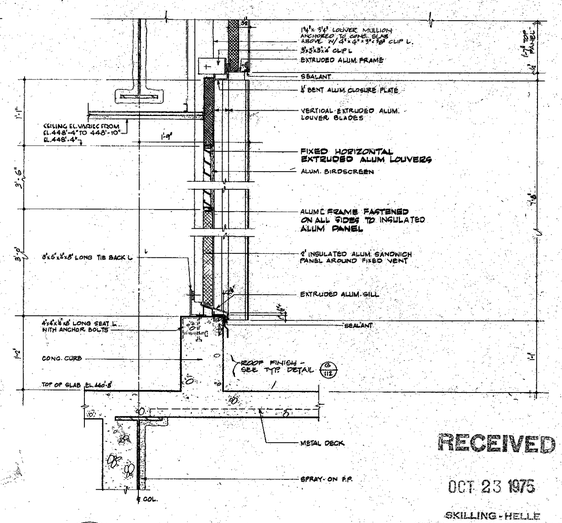
G 112 SECTION THRU FLUSH ALUM. PANEL

H 112 SECTION THRU LOUVER PANELS (ACTIVE)

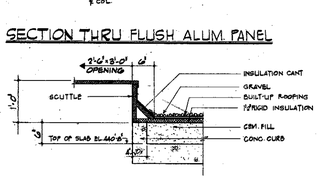
H-1 112 SECTION THRU LOUVER PANELS (INACTIVE)



J 112 SECTION THRU STAIR DOORS



K 112 SECTION THRU STAIR VENTS



L 112 SCUTTLE CURB DETAIL
SCALE 1½" = 1'-0"

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG 1" = 1'-0" GP-1 TO GP-5

1/16"=1'-0" 0 4" 8" 16" 24"
3/32"=1'-0" 0 3" 6" 9" 1' 2' 3'
1/8"=1'-0" 0 3" 6" 1' 2'

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BUL. NO.	BY
1	10-17-75	P-13		J.H.
2	7-11-76	REV #1		J.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

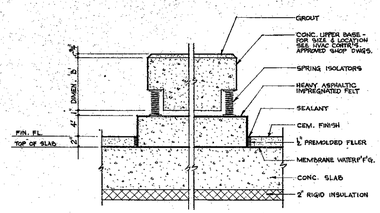
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING BULKHEAD ELEVATIONS & DETAILS

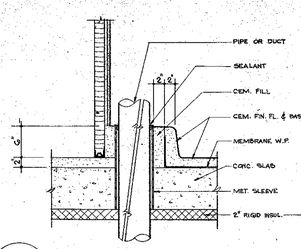
DRAWN	12.06.75	CHECKED	
SCALE	AS NOTED	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-112		

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

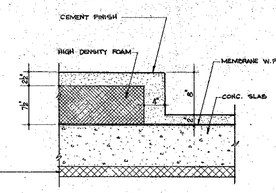
PUMP BASE SCHEDULE	
PUMP SIZE	DIMENSION 'S'
5-25 H.P.	8"
30-50 H.P.	10"
OVER 50 H.P.	12"



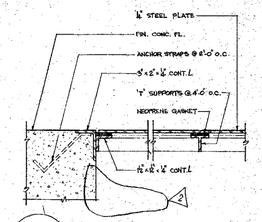
A 113 PUMP BASE DETAIL



B 113 TYPICAL DETAIL OF SLAB OPENINGS FOR PIPES & DUCTS AT MECH. EQUIP FL.

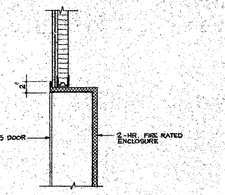


C 113 TYPICAL DETAIL OF STEP AT MECHANICAL EQUIP FL.

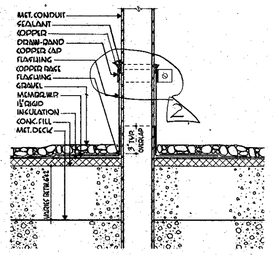


D 113 DETAIL OF CONDENSATE PIT TRENCH COVER PLATE

SCALE: 3" = 1'-0"



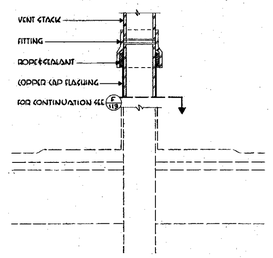
E 113 DETAIL AT HEAD OF FIRE-RATED HOSE CABINET



NOTE: WINDOW WASHER'S TRACK DUCT FLASHING DET. SIMILAR.

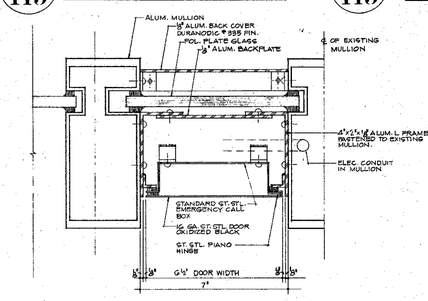
F 113 TYP. ROOF CONDUIT FLASHING DET.

3" = 1'-0"



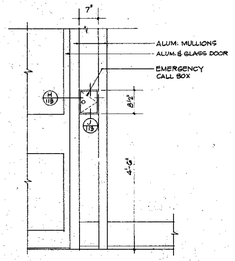
G 113 ROOF VENT STACK FLASHING DET.

3" = 1'-0"



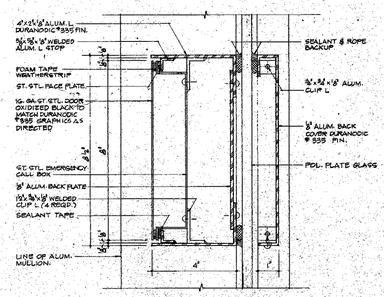
H 113 HORIZONTAL SECTION EMERGENCY CALL BOX

HALF FULL SIZE



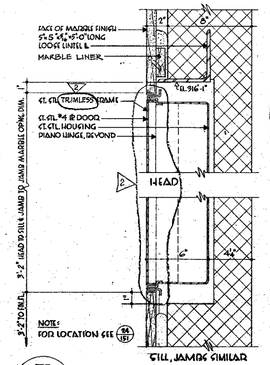
EMERGENCY CALL BOX ELEVATION

SCALE: ¾" = 1'-0"



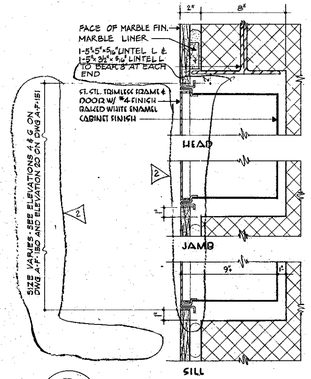
J 113 VERTICAL SECTION EMERGENCY CALL BOX

HALF FULL SIZE



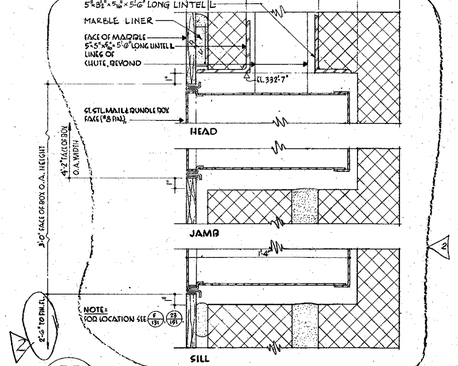
K 113 ELEVATOR STARTERS PANEL DETAIL.

3" = 1'-0"



L 113 FIRE HOSE CABINET DETAIL.

3" = 1'-0"



M 113 MAIL & BUNDLE BOX DETAIL.

3" = 1'-0"

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. AF-1 TO AF-5.

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OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE, N.Y.C.

¾"=1'-0" 0 6" 1' 2' 3' 4'
½"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'
1½"=1'-0" 0 3" 6" 1' 2'

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
2	10-17-75	F-13	R.K.
1	7-17-74	REV. # 1	I.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

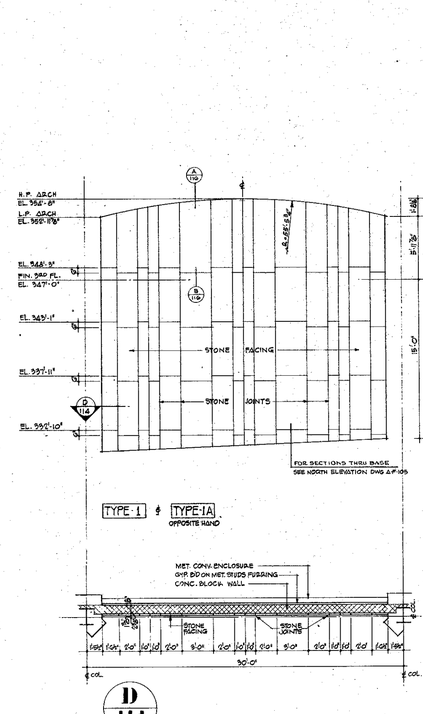
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

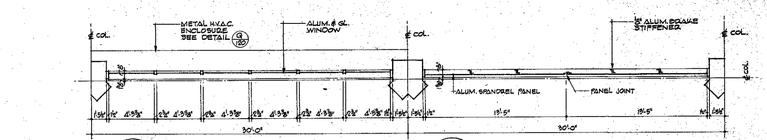
TITLE: SOUTHEAST PLAZA BUILDING
MISCELLANEOUS DETAILS

DRAWN	S.O.	CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-113		



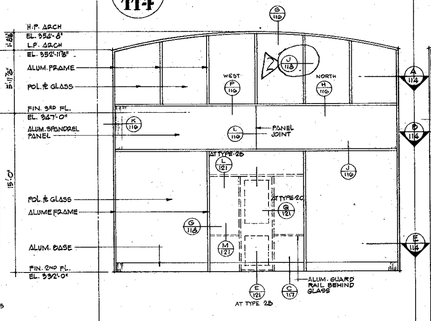
TYPE-1 & TYPE-1A OPPOSITE HAND

D 114



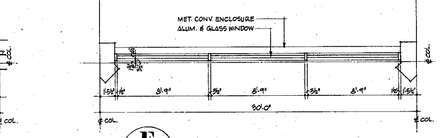
A 114

B 114

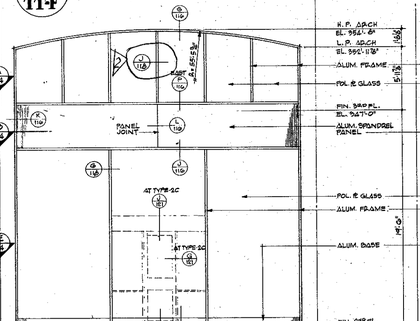


TYPE-2

TYPE-2B SINGLE SWING DOOR SHOWN DOTTED (SEE SPECS. FOR QUANTITY & LOCATION)

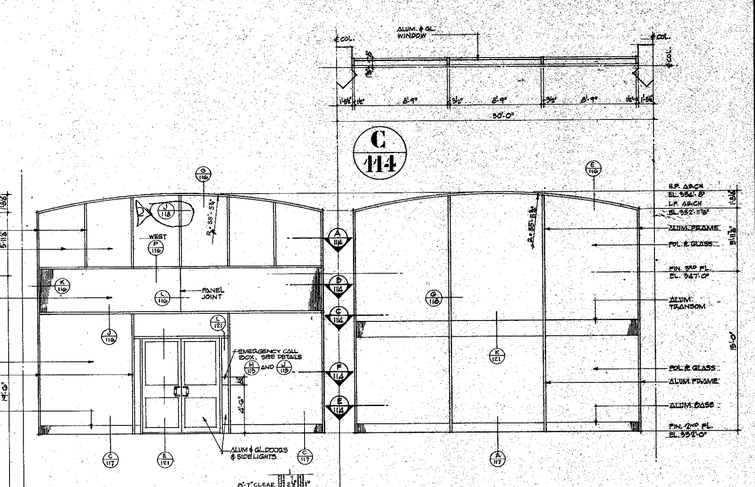


E 114



TYPE-2A

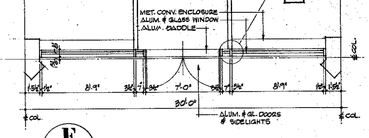
TYPE-2C SINGLE SWING DOOR SHOWN DOTTED (SEE SPECS. FOR QUANTITY & LOCATION)



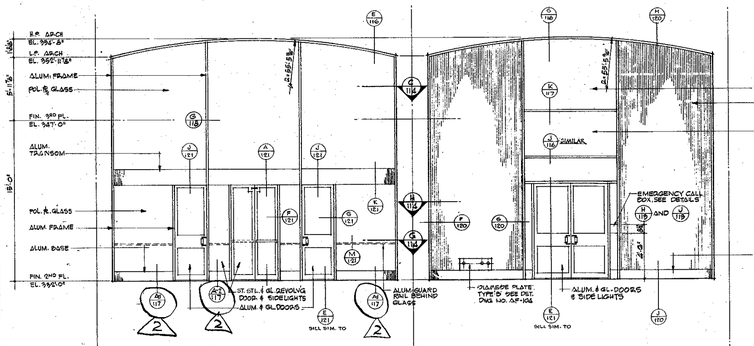
C 114

TYPE-3

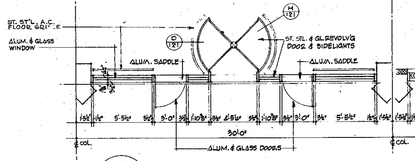
TYPE-4



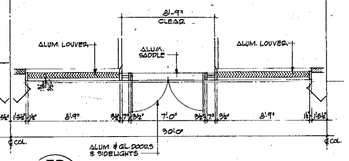
F 114



TYPE-5

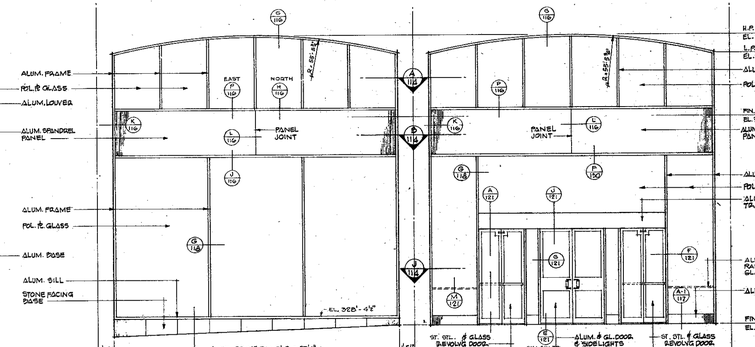


TYPE-6



G 114

H 114

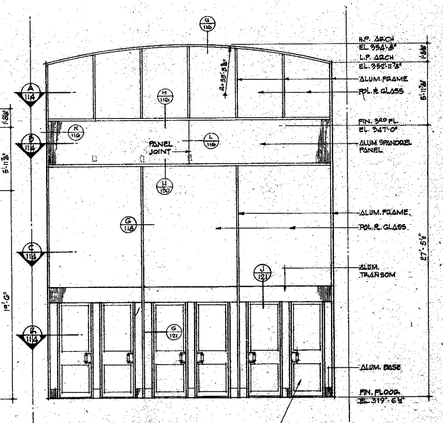


TYPE-7

FOR SECTIONS THRU BASE SEE RESPECTIVE ELEVATIONS

TYPE-8

J 114



TYPE-9

K 114

NOTE
FOR GENERAL NOTES, KEY TO MATERIALS AND ABBREVIATIONS SEE DWG N° AF-1 TO AF-5

CONTRACT NO · DRAWING date 11-21-73

NO.	DATE	REVISIONS	BUL. NO.	BY
8	10-17-75	F-13		J.K.
7	7-19-74	REV. # 1		J.K.

RECEIVED
OCT 23 1975
SKILLING · HELLE CHRISTIANSEN · ROBERTSON
250 PARK AVE. N.Y.C.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

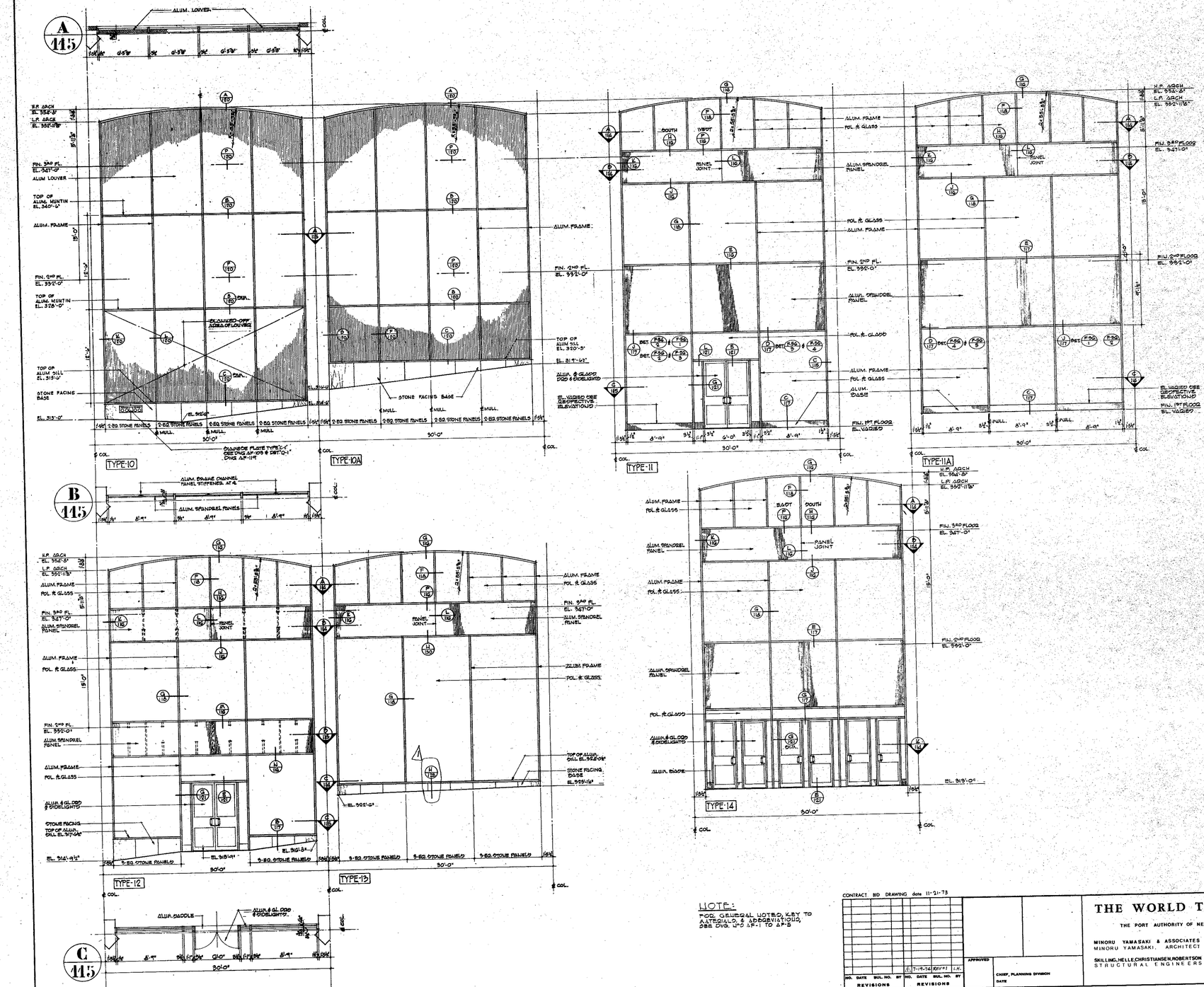
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
CURTAIN WALL AT 1ST, 2ND & 3RD FLOORS
TYPES 1 THRU 9

DRAWN	G.A.	CHECKED	
SCALE	3/4"=1'-0"	DATE	7/-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·114		

0 1' 2' 3' 4' 6' 8' 12'
¾"=1'-0"



NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG. No. A.P.-1 TO A.P.-5

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	7-18-74	REV #1	I.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT.

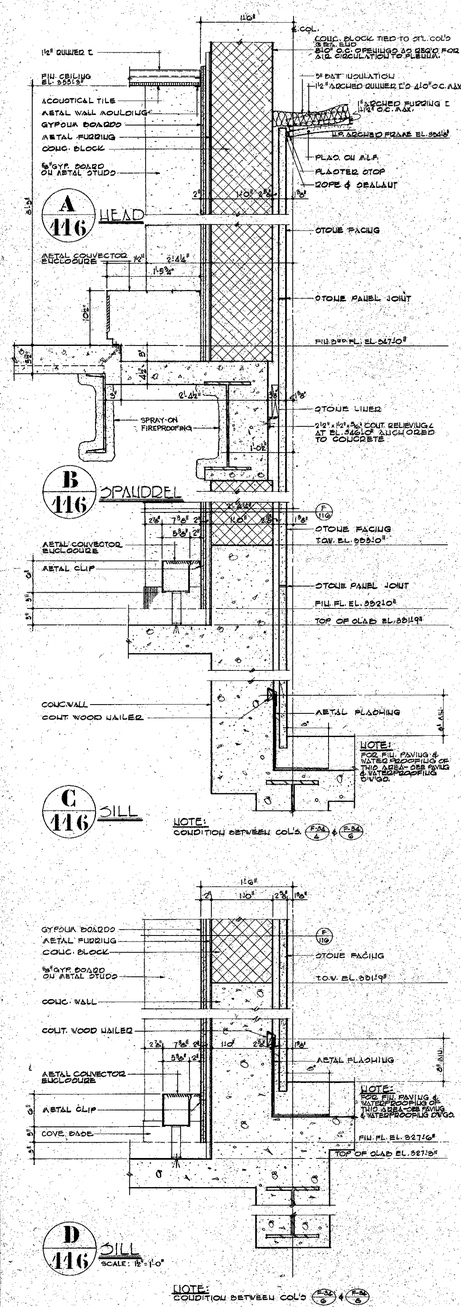
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

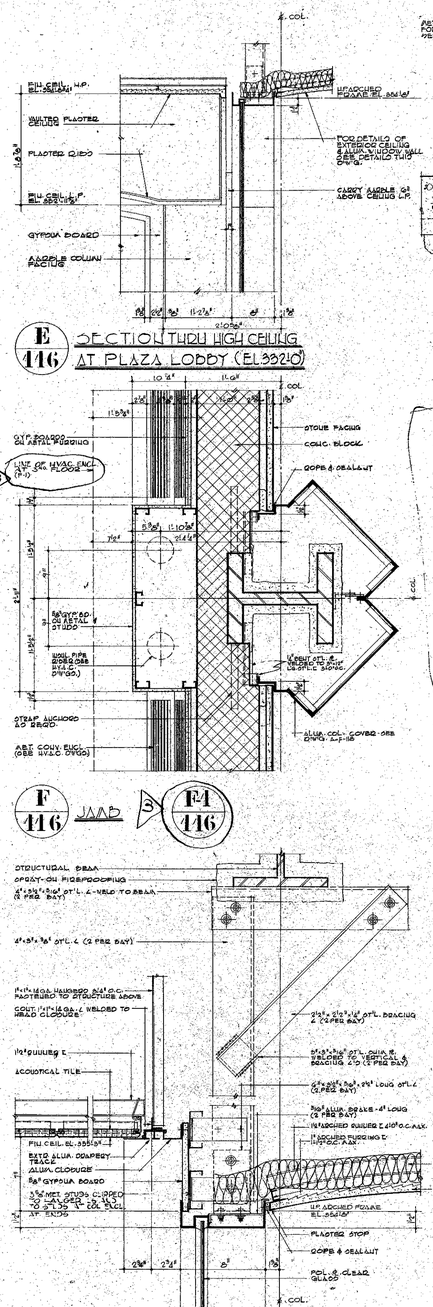
TITLE: SOUTHEAST PLAZA BUILDING CURTAIN WALL @ 1ST, 2ND, & 3RD FLS. TYPES 10 THRU 14

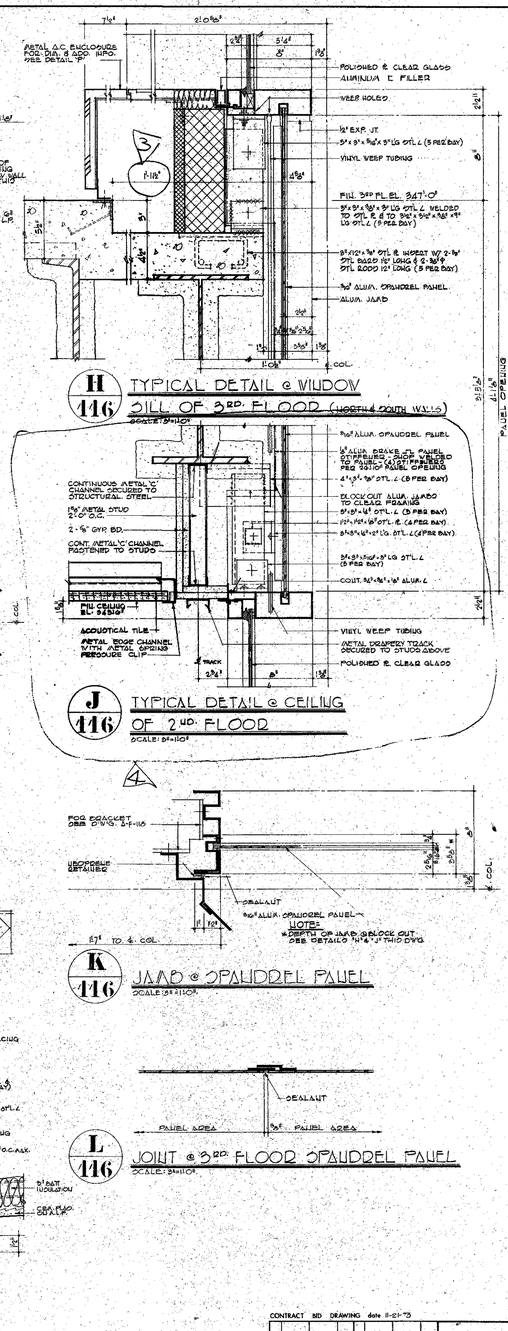
DRAWN	G.A.	CHECKED	
SCALE	1/4"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·115		

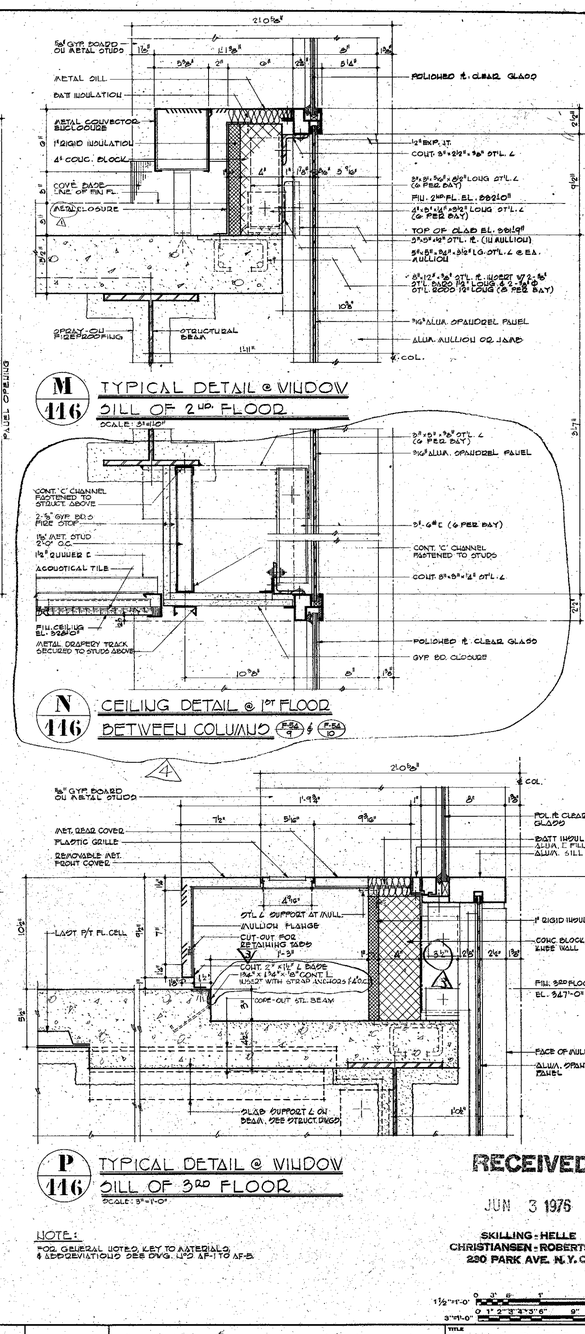
RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
220 PARK AVE. N.Y.C.

1/4" = 1'-0"









NOTE:
FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS SEE DWG. NO AF-1 TO AF-5

RECEIVED
JUN 3 1976
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	BUL. NO.	BY
A	5-27-76	P-19	J.K.
B	10-17-75	P-18	J.K.
C	7-17-74	10 V.T.	
D	12-17-73	ADDT.	

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

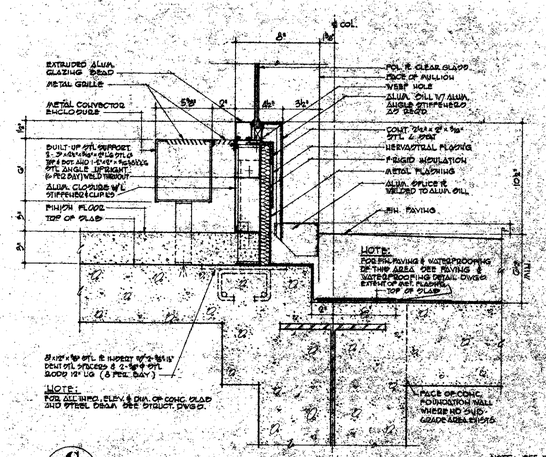
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1½"=1'-0" 0 1" 2" 3" 4" 5" 6"
3"=1'-0" 0 1' 2' 3' 4' 5' 6'

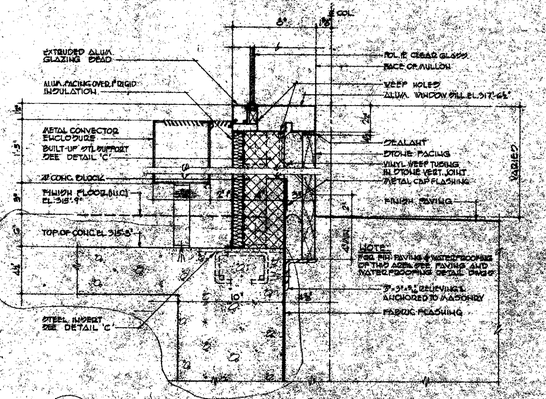
TITLE: SOUTHEAST PLAZA BUILDING CURTAIN WALL DETAILS AT 1ST, 2ND & 3RD FLS.

DRAWN	D.O.G.	CHECKED	
SCALE	AS NOTED	DATE	11-20-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-416		



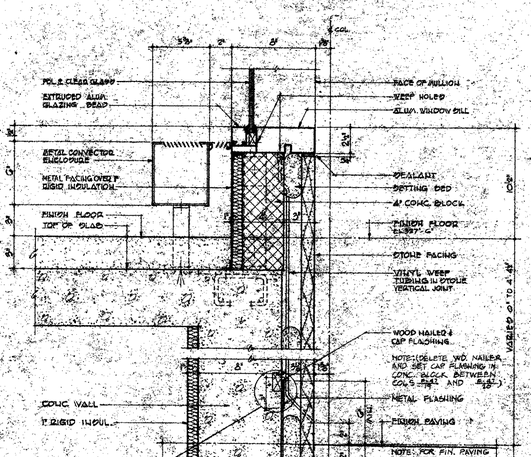
C/117 TYPICAL ALUM. WINDOW SILL
SCALE: 3"=1'-0"

NOTE: SEE DTL. F/116 FOR DETAILS OF SUPPORTS FOR PIN TUBE ENCASING & CONNECTOR ENCLOSURE SHOWN ON DTLS. B/117, C/117, E/117 & F/117



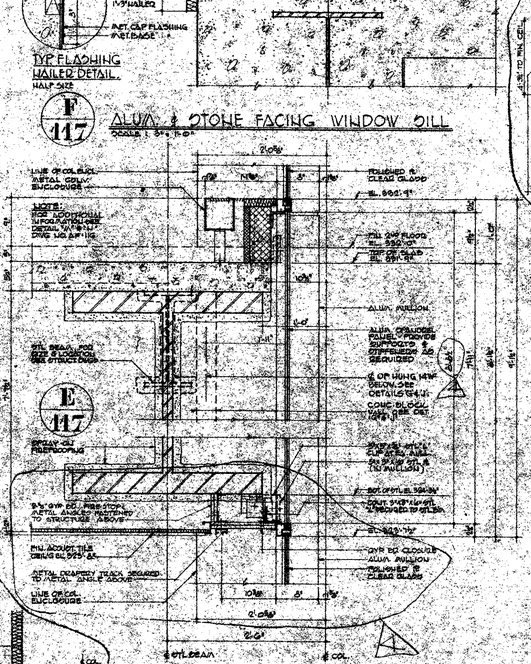
B/117 ALUM. & STONE FACING WINDOW SILL
BETW. COLS. (P-36/9) & (P-36/10)
SCALE: 3"=1'-0"

A/117 A-2/117 ALUM. WINDOW SILL
SCALE: 3"=1'-0"

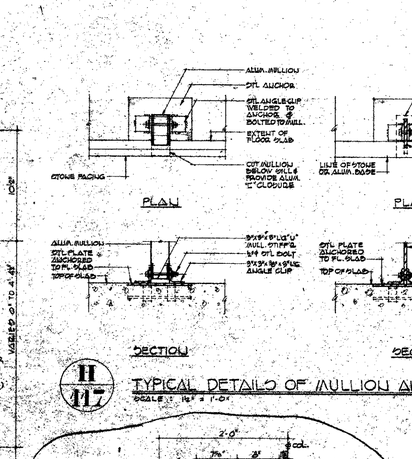


TYP. FLASHING NAILED DETAIL
HALF SIZE

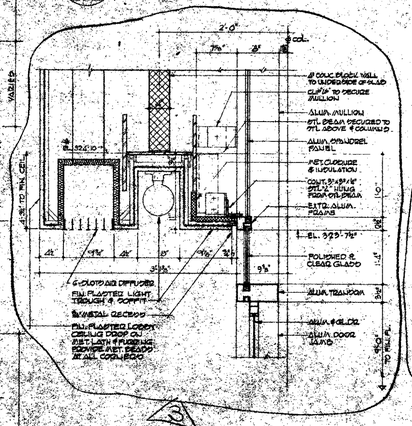
F/117 ALUM. & STONE FACING WINDOW SILL
SCALE: 3"=1'-0"



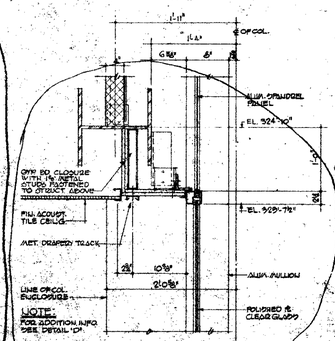
E/117 ALUM. SPANDREL AT 2ND FLOOR
SCALE: 3"=1'-0"



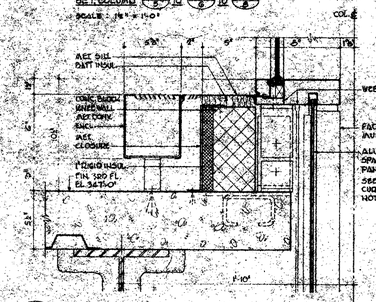
H/117 TYPICAL DETAILS OF MULLION ANCHORING
SCALE: 1½" = 1'-0"



G/117 DETAIL AT LOBBY CEILING OF 1ST FLOOR
BET. COLUMN (P-36/5) TO (P-36/6) TO (P-36/7)
SCALE: 1½" = 1'-0"



J/117 DETAIL AT CEILING OF 1ST FLOOR
BET. COLUMN (P-36/5) TO (P-36/6) TO (P-36/7)
SCALE: 1½" = 1'-0"



K/117 3RD FLOOR WINDOW SILL DETAIL
BET. COLUMN (P-36/5) & (P-36/6)
SCALE: 3"=1'-0"

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS AND ABBREVIATIONS SEE DWG. AP-1.10 TO AP-1.9

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT NO. DRAWING Rev 11-21-75

NO.	DATE	REVISIONS.	BY
5		P-36	L.K.
4	5-17-76	P-15	M.K.
3	10-7-75	P-15	L.K.
2	7-11-74	ADD'N	J.R.
1	12-11-73	ADD'N	

NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

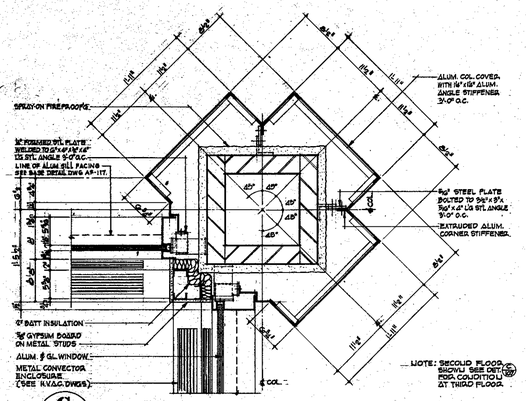
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

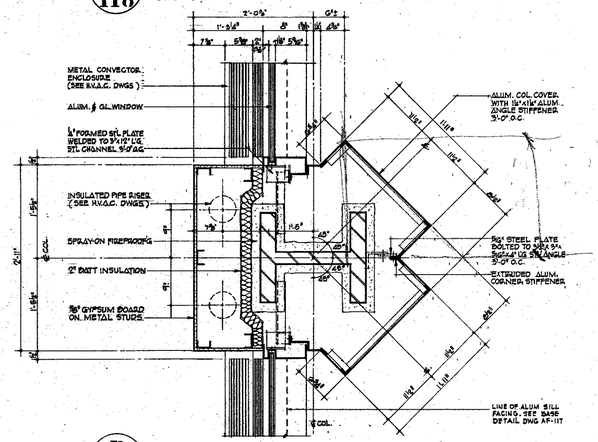
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING CURTAIN WALL DETAILS AT 1ST & 2ND FLOORS

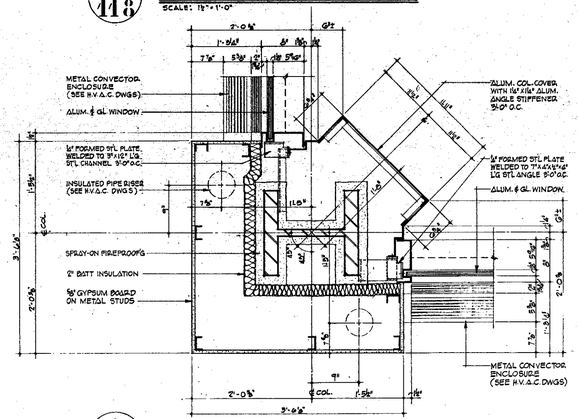
DESIGN	G.A.	CHECKED	
SCALE	AS NOTED	DATE	11-18-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-117		



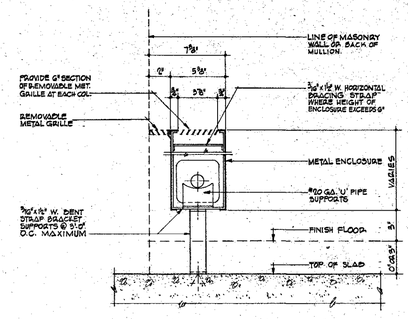
C 4/13 EXTERIOR CORNER COLUMN ENCLOSURE
SCALE: 1½"=1'-0"



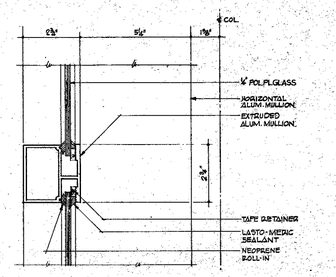
B 4/13 TYPICAL COLUMN ENCLOSURE
SCALE: 1½"=1'-0"



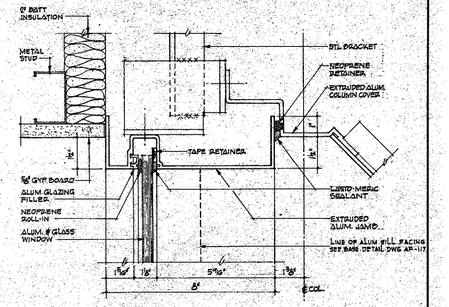
A 4/13 INTERIOR CORNER COLUMN ENCLOSURE
SCALE: 1½"=1'-0"



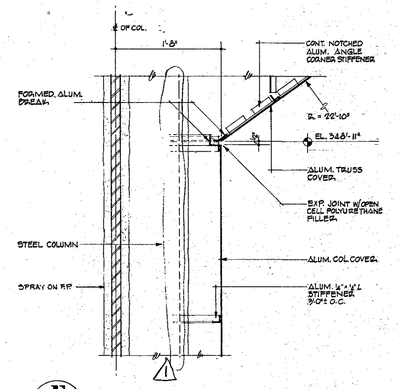
F 4/13 SECTION THRU CONVECTOR ENCLOSURE
SCALE: 3"=1'-0"



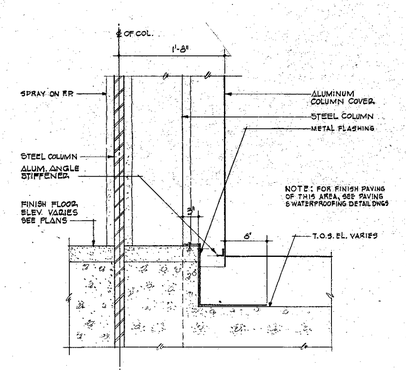
J 4/13 ALUM. MULLION AT ARCH
HALF FULL SIZE



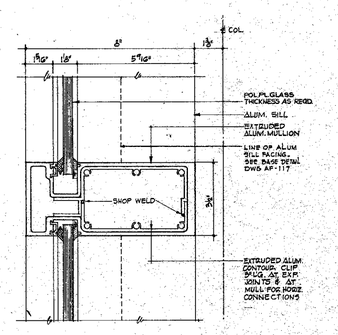
L 4/13 ALUM. WINDOW JAMB AT COL. ENCLOSURE
HALF FULL SIZE



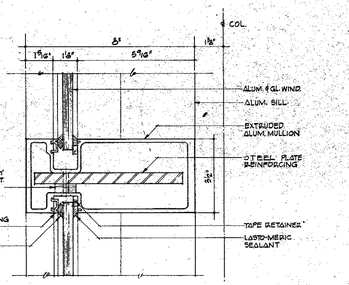
E 4/13 SECTION THRU COLUMN COVER AT TOP
SCALE: 1½"=1'-0"



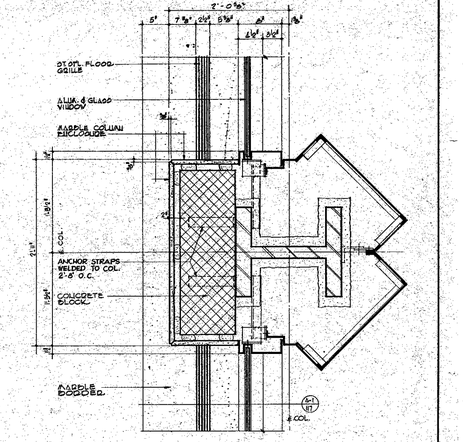
D 4/13 SECTION THRU COLUMN COVER AT BASE
SCALE: 1½"=1'-0"



H 4/13 ALUM. MULLION WITH CLIPS
HALF FULL SIZE



G 4/13 ALUM. MULLION WITH STL PLATE
HALF FULL SIZE



K 4/13 COLUMN ENCLOSURE AT PLAZA LOBBY EL. 332'0"
SCALE: 1½"=1'-0"

NOTES:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS NOS AF-1 TO AF-5

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN ROBERTSON 225 PARK AVE. SOUTH

3"=1'-0" 0 1" 2" 3" 4" 6" 9" 1'
1½"=1'-0" 0 3" 6" 1' 2' 3'

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY
				1	1-15-74	REVISE	L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING BASE COLUMN COVERS

DRAWN	G.A.	CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·118		

Paint

Cuppa #16387

E-17

E-17A

E-17B

P-1 → 21

P-6 sheets F-52 T

ELEVATION OF LOUVERS AT 'O-E PLAZA BLDG' WEST WALL BASE
SCALE : 1/4"=1'-0"

PLAN OF LOUVERS AT 'O-E PLAZA BLDG' WEST WALL BASE
SCALE : 1/4"=1'-0"

HIGH PRESSURE DIAMESE COUPLING VALVE PLATE TYPE 'C'
TYPE 'C-1'

LIBERTY STREET ELEVATION
SCALE: 1/4"=1'-0"

PLAN @ CORNER COLUMN
SCALE: 1½"=1'-0"

1/4"x12" CONNECTOR - CONNECT RIGIDLY TO SUB FOOT BY MEANS OF CONCEALED MOTTEUNGS - CONNECTED SMALL GLIDE OVER A 7"x7"x1/2" LONG SLEEVE RIGIDLY CONNECTED WITH CONCEALED MOTTEUNGS TO CONCRETE FOOT. CONNECTOR SMALL HAVE 1/4" CLEARANCE FROM FOOTO TO ALLOW FOR EXPANSION. CONNECTOR AND SLEEVE SHALL BE FABRICATED TO ALLOW FREE LONGITUDINAL MOVEMENT AND OBTAIN LATERAL ALIGNMENT OF RAILING

C 119 SECTION THRU STONE COPING
SCALE : 1½" = 1'-0"

B 119 SECTION THRU STONE BASE
SCALE : 1½" = 1'-0"

A 119 DETAIL OF LOUVER
HALF FULL SCALE

E 119 SECTION THRU LOUVER
SCALE : 1½" = 1'-0"

D 119 PLAN OF LOUVER JAMB
SCALE : 1½" = 1'-0"

H 119 SECTION THRU STAIR DOOR
SCALE : 1½" = 1'-0"

G 119 PLAN OF LOUVER
SCALE : 1½" = 1'-0"

F 119 PLAN OF STAIR DOOR
SCALE : 1½" = 1'-0"

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG NO. A-F-1 TO A-F-5

K 119 DETAILS @ PLAZA RAILING
SCALE: AS NOTED

J 119 RELIEVING CHANNEL
SCALE: HALF FULL SIZE

L 119 RELIEVING ANGLE
SCALE: HALF FULL SIZE

P 119 SECTION THRU FOOT
SCALE: 3"=1'-0"

N 119 PLAN OF FOOTS
SCALE: 3"=1'-0"

M 119 DIAMESE COUPLINGS & HOSE BIBB VALVE PLATE TYPE 'A'
SCALE : 1½" = 1'-0"

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT BID. DRAWING date 11-21-73.

NO.	DATE	REVISIONS	BY
A	10-17-75	F-13	J.K.
B	7-9-74	GW#1	LH

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING WEST WALL LOUVER DETAILS

DRAWN	G.A.	CHECKED	
SCALE	AS NOTED	DATE	15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-119		

NOTES:
1 ALL LOUVERS SHALL HAVE A MINIMUM OF 25% FREE AREA
2 FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. NOS. A-F-1 TO A-F-5

SPRAY-ON FIREPROOFING
4"x3½"x⅜" ST'L. ∠ (2 PER BAY)
4"x3½"x⅜" ST'L. ∠ WELDED TO BEAM (2 PER BAY)
6"x3½"x¼" ST'L. BRACING ∠ (2 PER BAY)
6"x3½"x5/16" ST'L. GUSSET PL. WELDED TO VERT. ∠'S BRACING ∠ (2 PER BAY)
6"x6"x⅜" ST'L. ∠ (2 PER BAY)
6"x6"x⅜"x2½"x2½" LG. ST'L. ∠ (2 PER BAY)
½" ALUM. SNAKE - 4" LONG (2 PER BAY)
½" RUBBER C ELD" O.C. MAX.
1" RUBBER C 1 1/16" O.C. MAX.
½" ARCHED GLAZIER C 4'-0" O.C. MAX.
2" BAT INSULATION
CEM. PLAD. ON A.L.P.
H.P. OF ARCHED FRAME
EL. 9581'0"
SLOPE ¢ SEALANT
SEALANT
CEM. PLAD. ON A.L.P.
NEOPRENE FILLER
CONT. 8"x ⅜" ALUM. FLAT BAR

A 420 HEAD SCALE: 3"=1'-0"

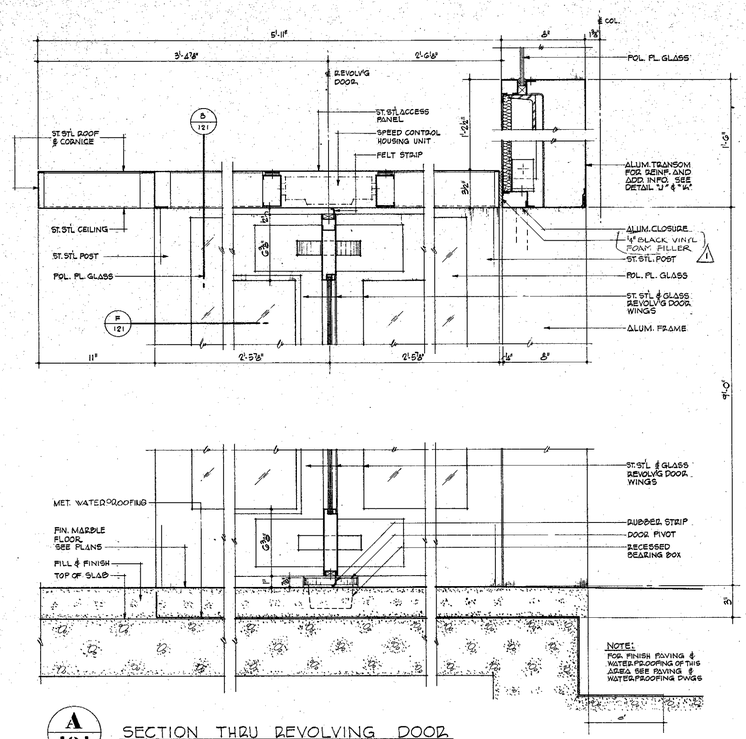
ALUM. BIRD SCREEN
CONT. 5"x⅛" ALUM. FLAT BAR
SEALANT
EXTRUDED ALUM. LOUVER BLADES

B 420 MULLION SCALE: 3"=1'-0"

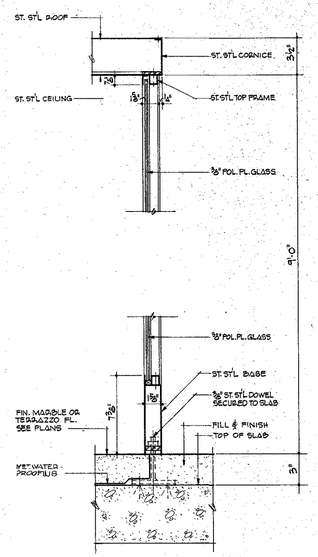
CONT. 5"x⅛" ALUM. FLAT BAR
4"x3½"x¼" ST'L. ∠ WELDED TO ∠
5½"x3"x5/16"x5" LONG ST'L. ∠
QUOIN
CONT. 8"x8"x5/16" ST'L. ∠ CLEATED TO SLAB
SEALANT
EL. 9201'0" BETWEEN COLS. (C-2) & (C-3)
EL. 9181'0" BETWEEN COLS. (C-2) & (C-3)
ALUM. SILL
SEALANT
DETAILED BED
STONE FACING
METAL CAP FLASHING
CONT. WOOD NAILER SEE DET. F-117
CONC. CURB STONE SUPPORT
2"x 6" TREATED WD. BLOCK
NOTE: FOR MID-PAVILIO & WATERPROOFING @ THIS AREA - SEE PAVILIO & WATERPROOFING DWGS.
4" COL.

C 420 SILL SCALE: 3"=1'-0"

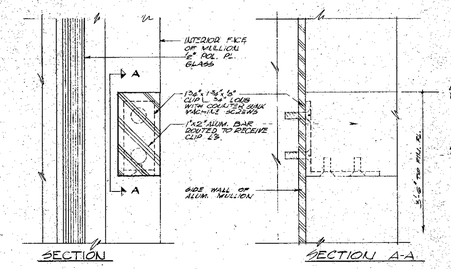
¢ COL.
11"
2" MET. STUDS
⅝" GYP. BOARDS
EDGE OF CONC.
FOR BRACKET SEE DWG. A-F-118
SLOPE ¢ SEALANT
SPRAY-ON FIREPROOFING
ALUM. COL. COVER
¢ COL.
11'-7"
¼" WATER RESISTANT GYP. BOARD
ALUM. CLOSURE
ALUM. BIRD SCREEN
2½" MET. STUDS
½" GYP. BOARD
FIRE TEST BOARD
METAL MULLION
ALUM. & GLASS WINDOW WALL
SEALANT
ALUM. COL. COVER BELOW
EL. 9581'0"
EL. 9561'0"
EL. 9541'0"
EL. 9521'0"
EL. 9501'0"
EL. 9481'0"
EL. 9461'0"
EL. 9441'0"
EL. 9421'0"
EL. 9401'0"
EL. 9381'0"
EL. 9361'0"
EL. 9341'0"
EL. 9321'0"
EL. 9301'0"
EL. 9281'0"
EL. 9261'0"
EL. 9241'0"
EL. 9221'0"
EL. 9201'0"
EL.



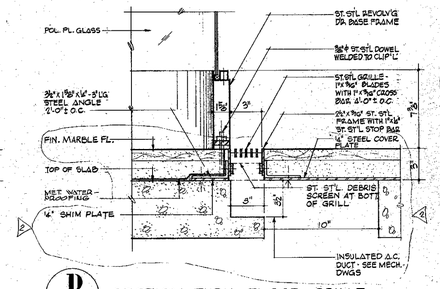
A 121 SECTION THRU REVOLVING DOOR



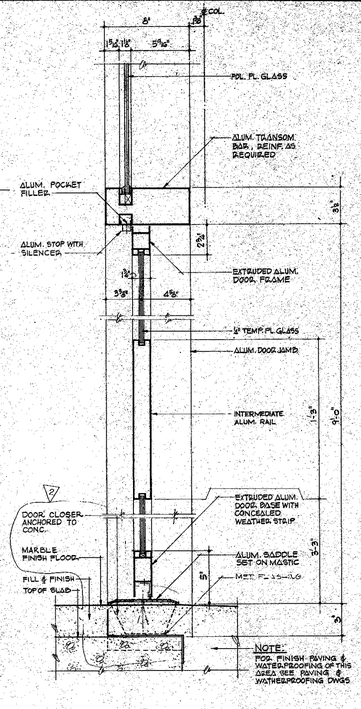
B 121 SECTION THRU REVOLVING DOOR ENCLOSURE



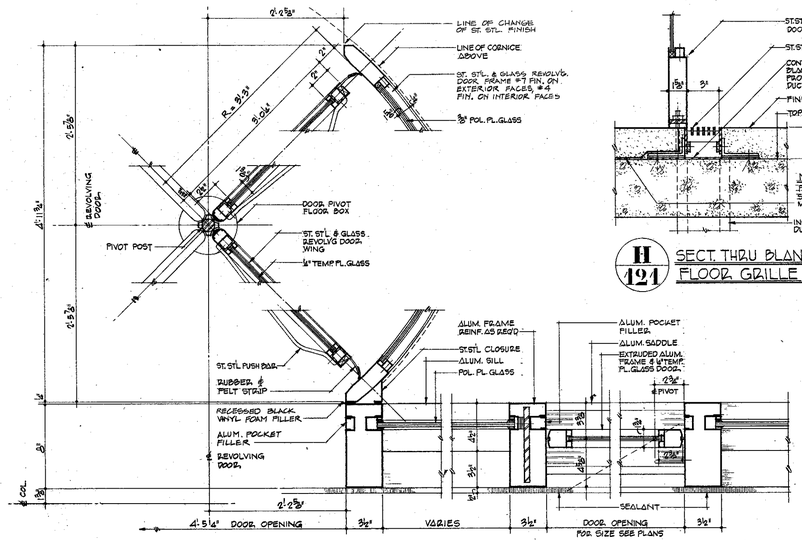
M 121 ALUMINUM GUARD RAIL
FULL SIZE



D 121 SECTION THRU FLOOR GRILLE

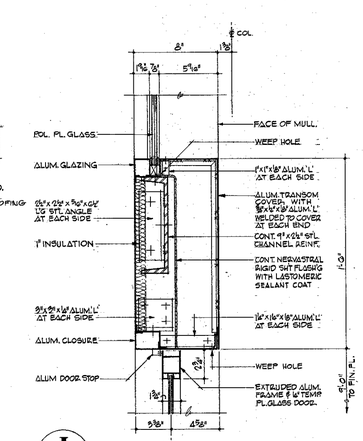


E 121 SECTION THRU SWING DOOR

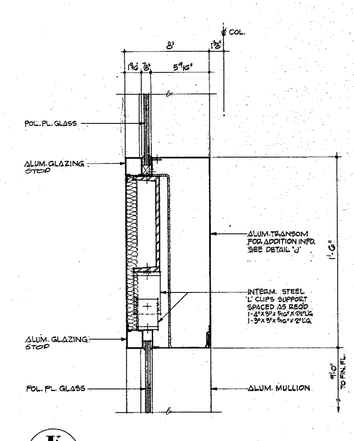


F 121 PLAN OF REVOLVING DOOR

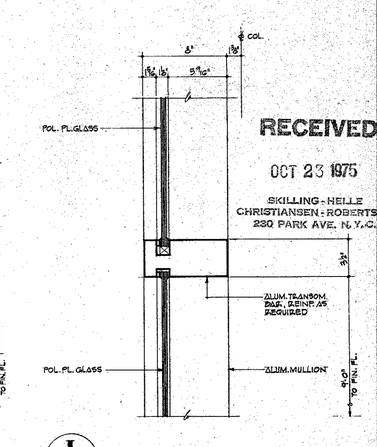
H 121 SECT. THRU BLANKED-OFF FLOOR GRILLE



J 121 TRANSOM AT SWING DOOR



K 121 TRANSOM AT FIXED GLASS



L 121 TRANSOM-BAR AT FIXED GLASS

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

NOTES:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG NOS. AP-1 TO AP-5

CONTRACT NO. DRAWING date 11-21-75

NO.	DATE	REVISIONS	SUB. NO.	BY
1	10-17-75	F-13		L.J.
2	7-17-76	ADDEND #1		L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

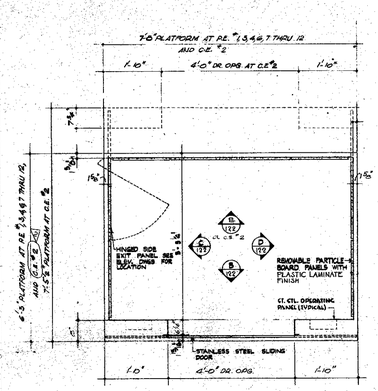
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

3"-1'-0" 0 1' 2" 3" 4" 5" 8" 9" 1'

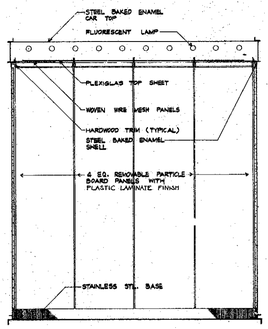
TITLE: SOUTHEAST PLAZA BUILDING ENTRANCE DOOR DETAILS

DRAWN	C.J.L.	CHECKED	
SCALE	3/4" = 1'-0" 3/8" = 1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-E-121		



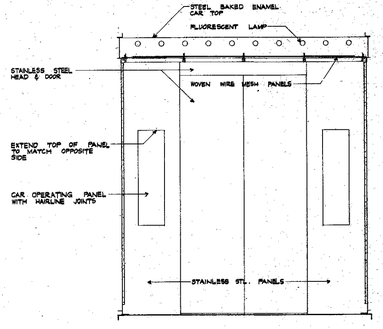
PLAN PASSENGER ELEVATOR CAB (TYPICAL)

3/4"-1'-0" NOTE:



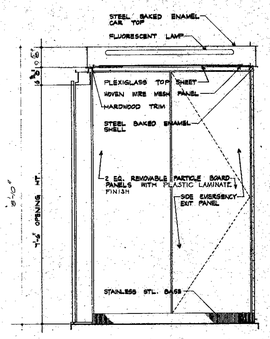
ELEVATION A 122

3/4"-1'-0"



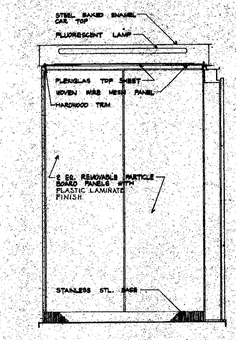
ELEVATION B 122

3/4"-1'-0"



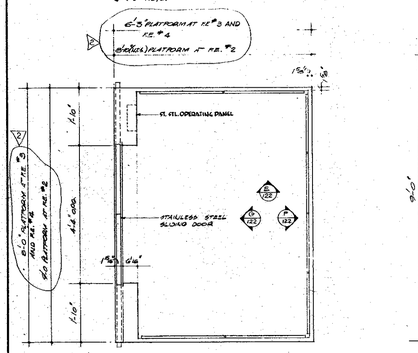
ELEVATION C 122

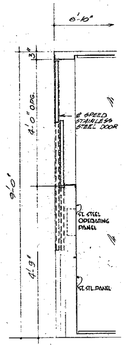
3/4"-1'-0"

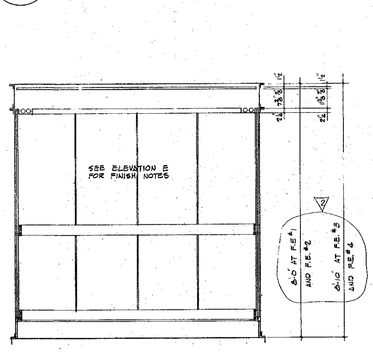


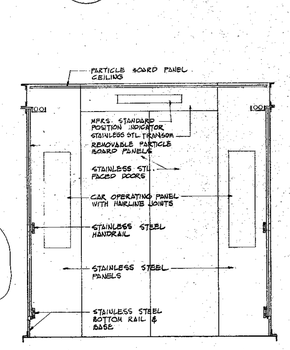
ELEVATION D 122

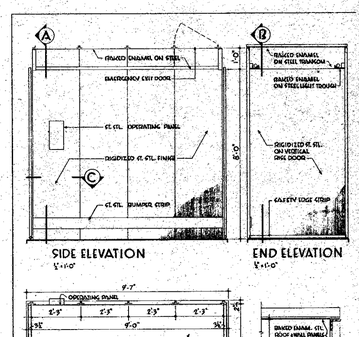
3/4"-1'-0"





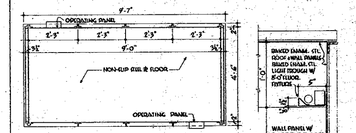




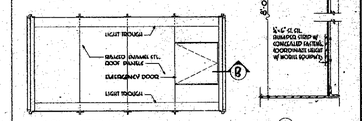


SIDE ELEVATION 3/4"-1'-0"

END ELEVATION 3/4"-1'-0"

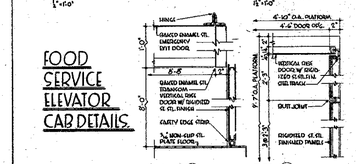


FLOOR PLAN 3/4"-1'-0"



REFLECTED CEILING PLAN 3/4"-1'-0"

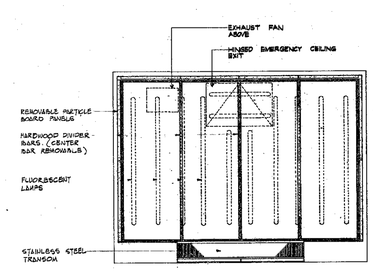
DET. A 3/4"-1'-0"



FOOD SERVICE ELEVATOR CAB DETAILS

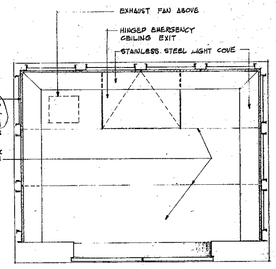
DET. B 1½"-1'-0"

DET. C 1½"-1'-0"



REFLECTED CEILING PLAN PASSENGER ELEVATOR CAB (TYPICAL)

3/4"-1'-0"



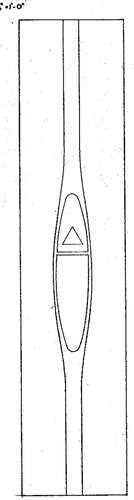
REFLECTED CEILING PLAN FREIGHT ELEVATOR CAB (TYPICAL)

NOTE: F.E.#3 AND F.E.#4 SHOWN F.E.#1 AND F.E.#2 SIMILAR EXCEPT 4 EQUAL CEILING PANELS

3/4"-1'-0"

TYPICAL FREIGHT ELEVATOR CAB PLAN

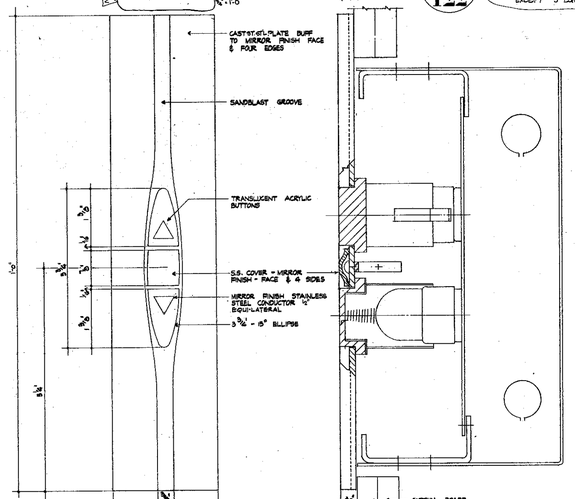
3/4"-1'-0"



TERMINAL BOTTOM LANDING SHOWN FULL SIZE

PART PLAN OF F.E. #1

3/4"-1'-0"



ELECTRONIC HALL BUTTON FIXTURE FULL SIZE

ELEVATION E 122

3/4"-1'-0"

F.E.#1 AND F.E.#2 SHOWN F.E.#3 AND F.E.#4 SIMILAR EXCEPT 3 EQUAL SIDE PANELS

ELEVATION F 122

3/4"-1'-0"

ELEVATION G 122

3/4"-1'-0"

NOTE: ENTRANCE WALL OF F.E.#1 AND OPERATING PANEL SIMILAR EXCEPT DOORS LOCATED AS SHOWN IN PART PLAN AT LEFT

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS, & ABBREVIATIONS, SEE DWG. NO. AF-1 TO AF-5

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
6	10-7-75	F-13	L.J.
7	11-14-75	REV. #1	L.J.

RECEIVED OCT 23 1975 SKILLING-HELLE CHRISTIANSEN-ROBERTSON 220 PARK AVE.

APPROVED CHIEF, PLANNING DIVISION DATE

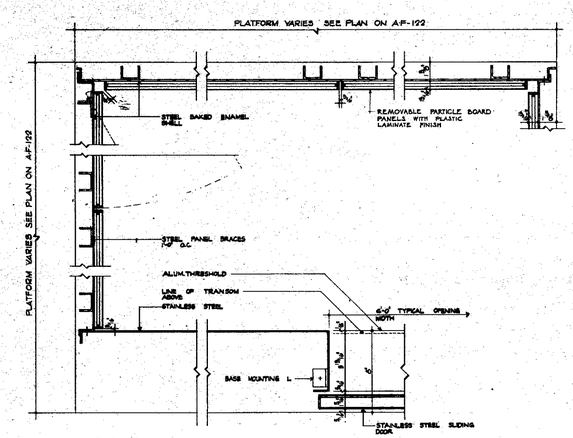
THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY — MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

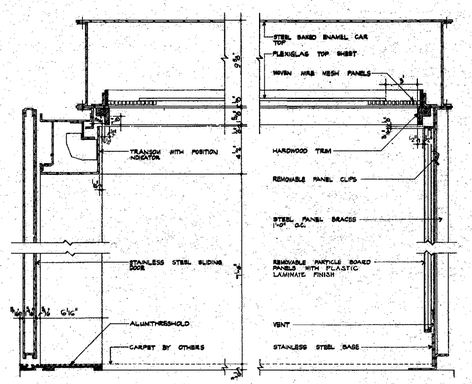
3/4"-1'-0" 6" 1' 2' 3' 4'

TITLE: SOUTHEAST PLAZA BUILDING ELEVATOR CAB PLANS ELEVATIONS & DETAILS

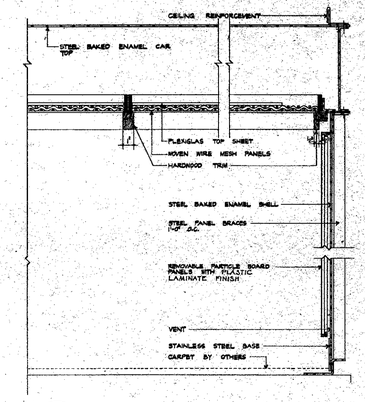
DRAWN	R.Q.G.	CHECKED	
SCALE	AS NOTED	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·122		



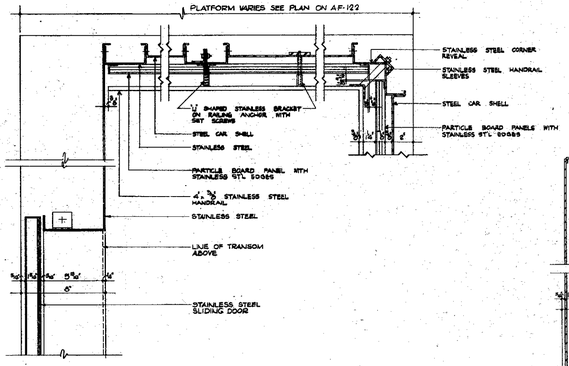
A 123 PLAN DETAIL OF PASSENGER ELEVATOR CAB



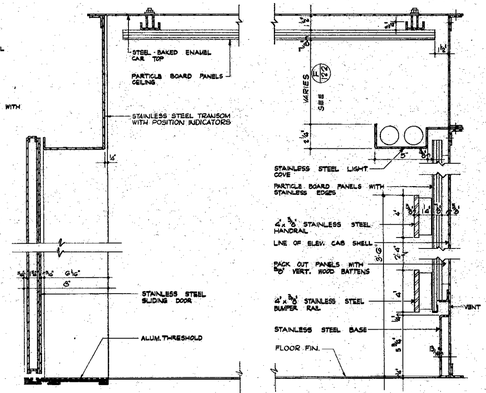
B 123 SECTION THROUGH PASSENGER ELEVATOR CAB



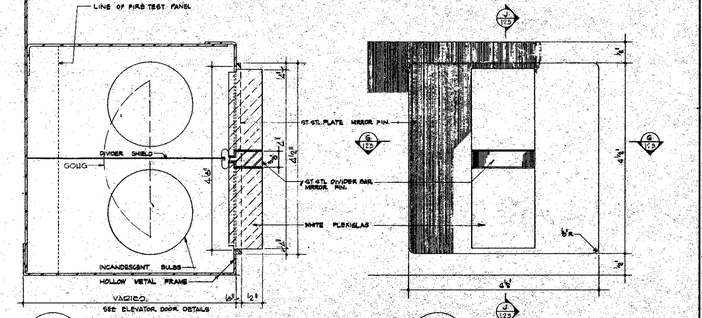
C 123 SECTION THROUGH SIDE OF PASSENGER ELEVATOR CAB



D 123 PLAN DETAIL OF FREIGHT ELEVATOR



E 123 SECTION THROUGH FREIGHT ELEVATOR



J 123 SECTION THROUGH HALL LANTERN SCALE: FULL SIZE

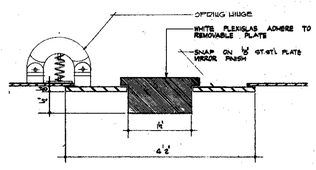
K 123 ELEVATION HALL LANTERN SCALE: FULL SIZE

PASSENGER CAB

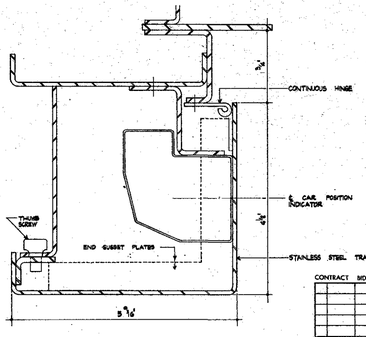
SERVICE CAB

NOTE: GRAPHICS BY OWNER

F 123 CAB HEAD INDICATORS



G 123 SECTION THROUGH HALL LANTERN SCALE: FULL SIZE



H 123 SECTION THROUGH POSITION INDICATOR SCALE: FULL SIZE

NOTE:
FOR GENERAL NOTES KEY TO MATERIALS & ABBREVIATIONS, SEE DWG. N.S. A-F-1 TO A-F-5

CONTRACT NO DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

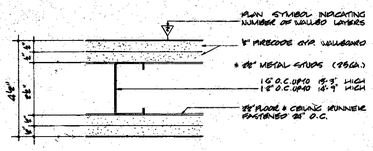
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING ELEVATOR CAB DETAILS

DRAWN	D.O.G.	CHECKED	
SCALE	3"=1'-0" & AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-123		

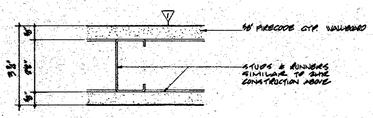
RECEIVED
FEB 28 1975
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON
277 PARK AVE. N.Y.C.

3"=1'-0" 0 3" 2" 3" 4" 5" 6"
1½"=1'-0" 0 3" 6" 9" 1' 2" 3"



TYPICAL 2 HR. FIRE RATED PARTITION

SCALE: HALF FULL SIZE

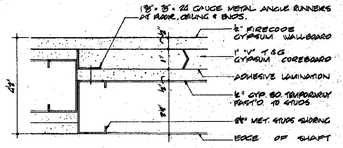


TYPICAL 1 HR. FIRE RATED PARTITION

SCALE: HALF FULL SIZE

*NOTE:
WHERE PARTITION HEIGHTS IN EXCESS OF THOSE NOTED USE 20 GA. METAL STUDS

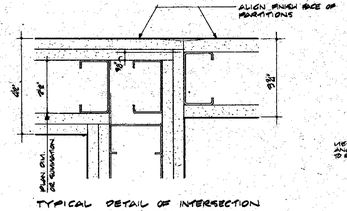
16" O.C. UP TO 15'-3" HIGH
12" O.C. UP TO 16'-3" HIGH



2 HR FIRE RATED SHAFT ENCLOSURE

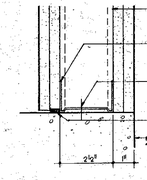
FIRE INSULATION FROM FLOOR SIDE IN FRONT OF PIPES & DUCT RISERS

SCALE: HALF FULL SIZE



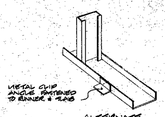
TYPICAL DETAIL OF INTERSECTION OF 1 & 2 HR. RATED PARTITIONS

SCALE: HALF FULL SIZE

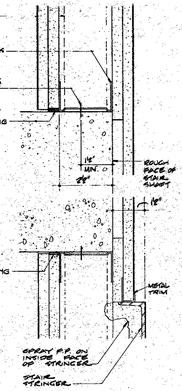


TYPICAL SHAFT ENCLOSURE

SCALE: HALF FULL SIZE

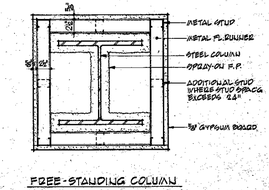


ALTERNATE ANCHOR DETAIL

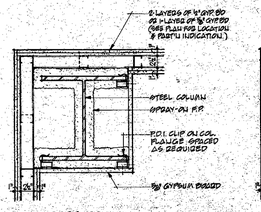


TYPICAL STAIR SHAFT ENCLOSURE

SCALE: HALF FULL SIZE

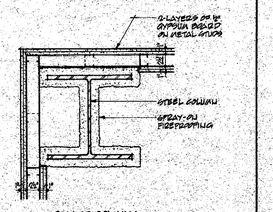


FREE-STANDING COLUMN



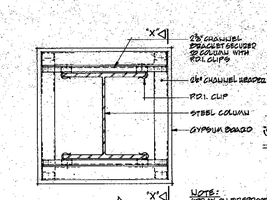
CORE COLUMN

AT CLOSET & STORAGE SPACE

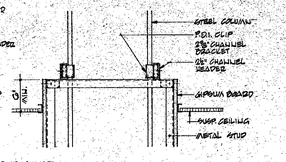


SHAFT COLUMN

AT FIRE-RATED PARTITION

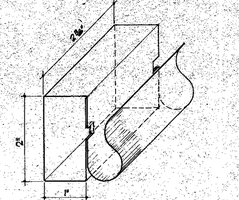


FREE-STANDING COLUMN ABOVE CEILING



NOTE:
SPRAY-ON FIREPROOFING IS NOT SHOWN FOR ILLUSTRATION PURPOSES

SECTION 'X'-'X'

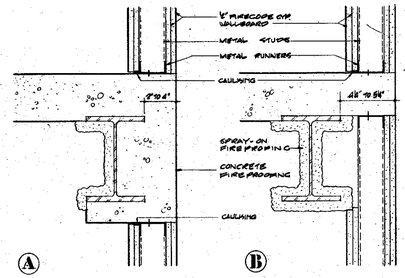


P.D.I. CLIP

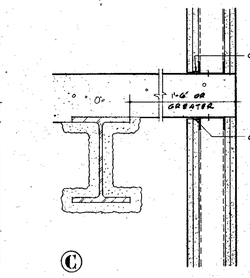
SCALE: FULL SIZE

TYPICAL DETAILS OF COLUMN ENCLOSURE

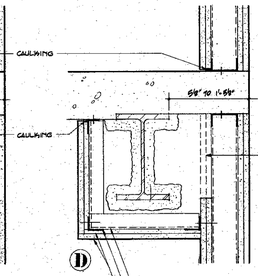
SCALE: 1 1/2" = 1'-0"



A



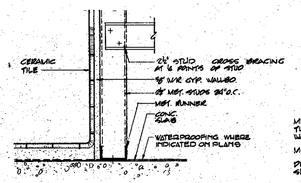
B



C

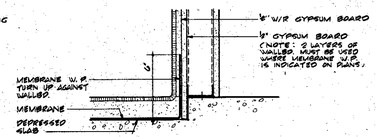
D

TYPICAL BEAM-PARTITION DETAILS Ⓐ to Ⓓ



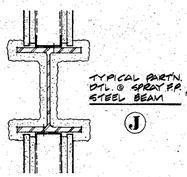
G

TYPICAL TOILET CHASE WALL



H

WATERPROOFING DTL. AT PARTITION



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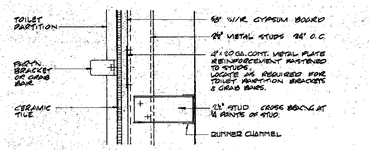
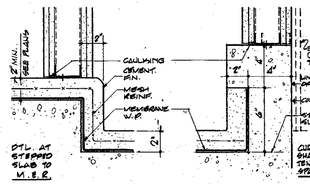


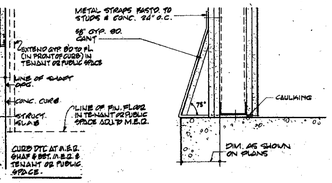
K

TOILET PARTITION DETAIL

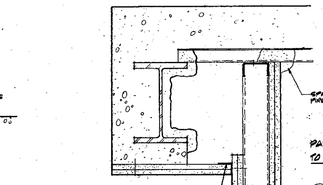


L

TYP. WATERPROOFING DETAILS



M

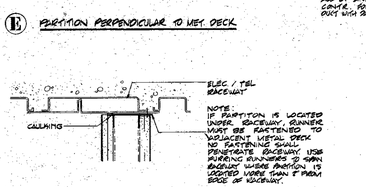


N

ELEVATOR SHAFT - CANT DETAIL

P

PARTITION CLOSURE TO CONC. F.P. BEAM

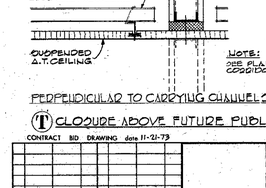


E

PARTITION PERPENDICULAR TO MET. DECK

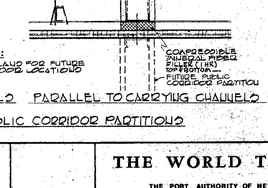
F

PARTITION PARALLEL TO MET. DECK



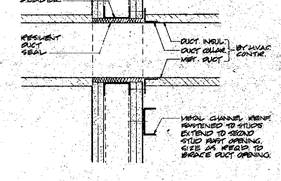
PERPENDICULAR TO CARRYING CHANNELS PARALLEL TO CARRYING CHANNELS

T CLOSURE ABOVE FUTURE PUBLIC CORRIDOR PARTITIONS



R

DUCT PENETRATION UNDER BEAM



S

TYPICAL DUCT PENETRATION

NOTE:
FOR GENERAL NOTES, KEY OF MATERIALS & ABBREVIATIONS, SEE SHEET A-F-1 TO A-F-5

METAL STUD PARTITION SYSTEM GENERAL NOTES:

1. NUMBER OF LAYERS OF GYPSUM WALLBD INDICATED BY SYMBOLS ON PLAN.
   - ▽ – 1 LAYER OF 5/8" FIRECODE WALLBOARD
   - ▽▽ – 2 LAYERS OF 5/8" FIRECODE WALLBOARD
   - ▽▽▽ – FINISH LAYER OF WR. WHERE REQUIRD WALLBOARD.
2. IN ALL CORE SHAFT, RISER & CORRIDOR WALLS, METAL STUDS & WALLBOARD SHALL EXTEND FROM FLOOR TO UNDERSIDE OF SLAB OR BEAM ABOVE.
3. IN FURRED WALLS OR CHASE WALLS THAT DO NOT SERVE AS PARTITIONS, WALLS TO TERMINATE AT CEILING. FURRED WALLBOARD MAY TERMINATE 6" ABOVE HUNG CEILING.
4. GYPSUM WALLBOARD TERMINATING AT SPRAY FIREPROOFING MUST BE TIGHT TO F.P. ON UNDERSIDE WITH NO GAPS OR APPARENT.
5. METAL CORNER JOINTS SHALL BE INSTALLED AS REQD. WHERE GYP BD. FINISH ABOVE THIS DIFFERENT TYPES OF EXPOSURE.
6. ALL CORNERS SHALL BE PROTECTED WITH METAL CORNER BEADS.
7. CHASE WALL PARTITIONS SHALL BE CROSS BRACED AT QUARTER POINTS OF STUDS.
8. WALLBOARD SHALL BE CAULKED AROUND PERIMETER OF PARTITIONS OF REQUIR-AIR, SMOKE AND WHERE SOUNDPROOFING INSULATION IS INDICATED ON PLANS.
9. ALL STRUCTURAL MEMBERS PROJECTING INTO HOLLOW SHAFTS SHALL BE ENCLOSED WITH GYPSUM WALLBOARD PANEL.
10. GAUGES OF METAL STUDS, RUNNERS, ANGLES & TRIM SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR LOADING WEIGHTS & PRESSURE ON PARTITION.
11. WALLBOARD SHALL BUTT TIGHT AGAINST ALL BEAMS & OTHER PENETRATING PARTITION.
12. DOUBLE INTERLOCKING STUDS SHALL BE USED AT ALL DOOR OPENINGS, TRIMMED OPENINGS AND AT ENDS OF FREE STANDING PARTITIONS.
13. WHERE PARTITION WITH ONE LAYER OF GYP. WALLBOARD ABUTS PARTITION WITH TWO LAYERS OF WALLBOARD, FINISH FACE OF WALLBOARD MUST ALIGN.
14. REMOVE FENCE PROTECTED ENCLOSURES OF METAL DECK OR SPRAY PROTECTED SURFACES MUST BE INSTALLED PRIOR TO APPLICATION OF SPRAY FIREPROOFING.

RECEIVED
JAN 28 1975
BUILDING HEIGHTS
CITY PLANNING COMMISSION

3"=1'-0" 0 1" 2" 3" 4" 5" 6" 1'-0" 2'-0"

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	7-7-74	REV #1	L.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

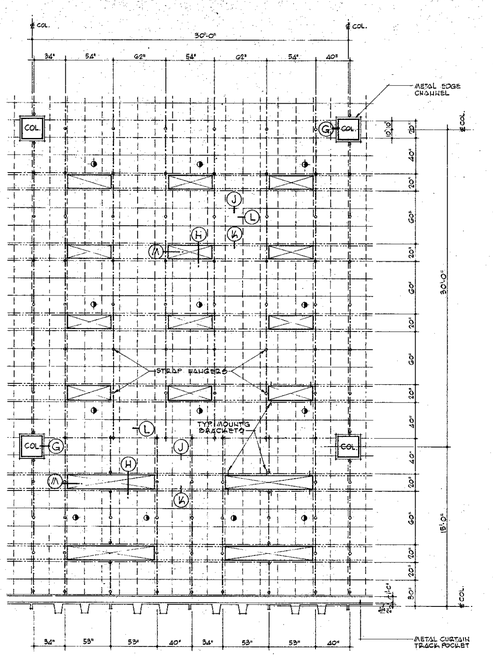
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
TYPICAL PARTITION DETAILS
FOR DRYWALL CONSTRUCTION

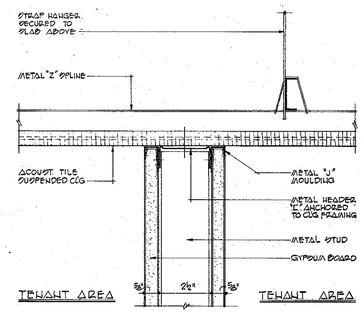
DRAWN: D.D.G.	CHECKED
SCALE: 3"=1'-0" & AS SHOWN	DATE: 11-15-73
PROJECT NUMBER	SHEET OF
DRAWING NUMBER: A-F-124	



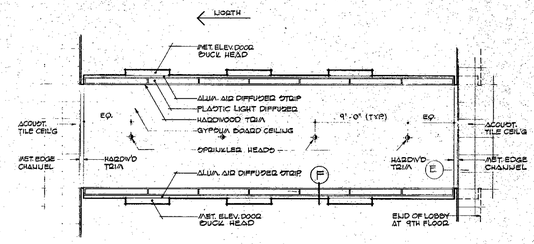
A 125 TYPICAL CEILING FRAMING PLAN
SCALE : 1/8" = 1'-0"

KEY TO LINE SYMBOLS

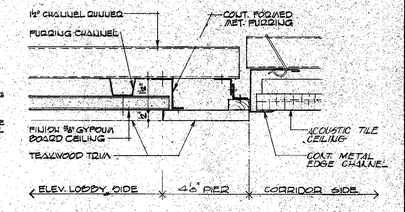
- STRAP HANGER
- 1½" CARRIER CHANNEL
- 'C' SPLINE
- 'Z' SPLINE
- HOOK SPLINE
- BREATHER SPLINE
- DOUBLE LEAF ACCESS SPLINE
- SPRINKLER HEAD



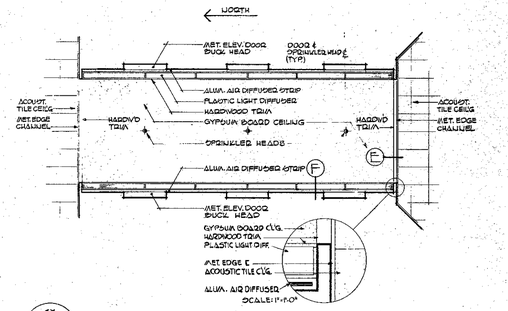
B 125 SECTION THRU PARTITION DIVIDING TENANT SPACES
SCALE : HALF FULL SIZE



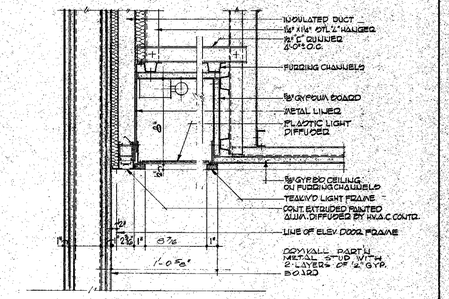
D 125 ELEVATOR LOBBY REFLECTED CEILING PLAN
3RD THRU 7TH & 9TH FLOOR
SCALE : 1/4" = 1'-0"



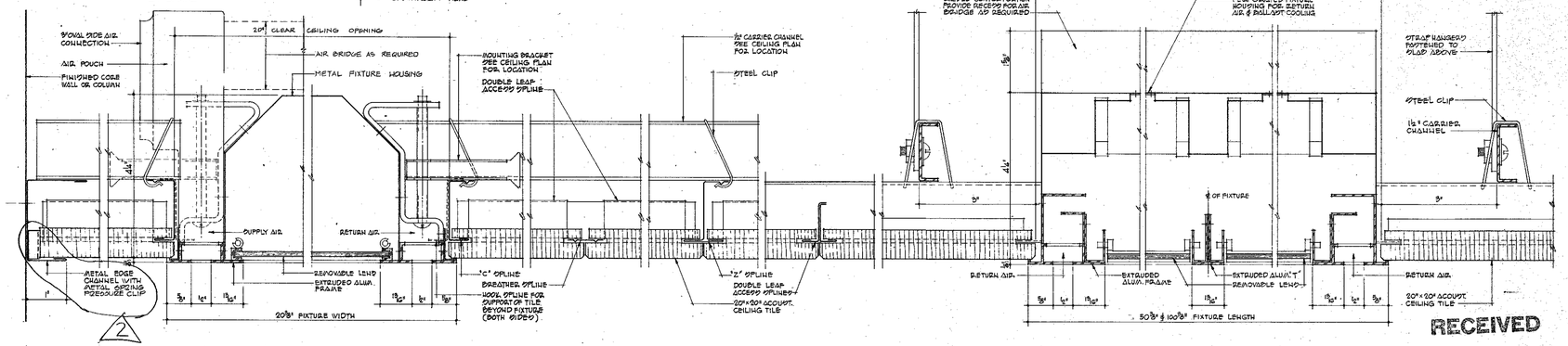
E 125 WOOD TRIM AT OPEN END LOBBIES
SCALE : HALF FULL SIZE



C 125 ELEVATOR LOBBY REFLECTED CEILING PLAN
8TH FLOOR ONLY.
SCALE : 1/4" = 1'-0"



F 125 ELEVATOR LOBBY CEILING
SCALE : 3" = 1'-0"



G 125 **H 125** **J 125** **K 125** **L 125** **M 125** **N 125** DET. OF LIGHT FIXTURE AT CORE WALL
SCALE : FULL SIZE

TYPICAL CEILING CONSTRUCTION DETAILS
SCALE : FULL SIZE

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS, & ABBREVIATIONS, SEE DWG NO AF-1 TO AF-5

CONTRACT BID. DRAWING date 1-21-75.

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
A	10-17-75	P-13	J.K.
B	11-19-75	REV. P1	J.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE CHRISTIANSEN ROBERTSON
STRUCTURAL ENGINEERS

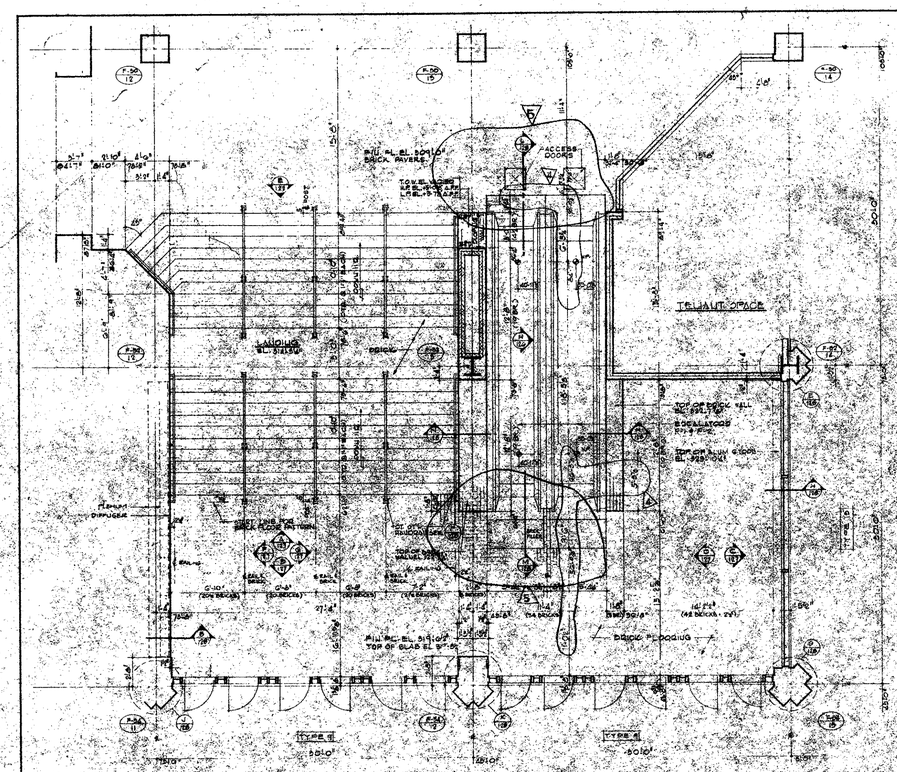
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

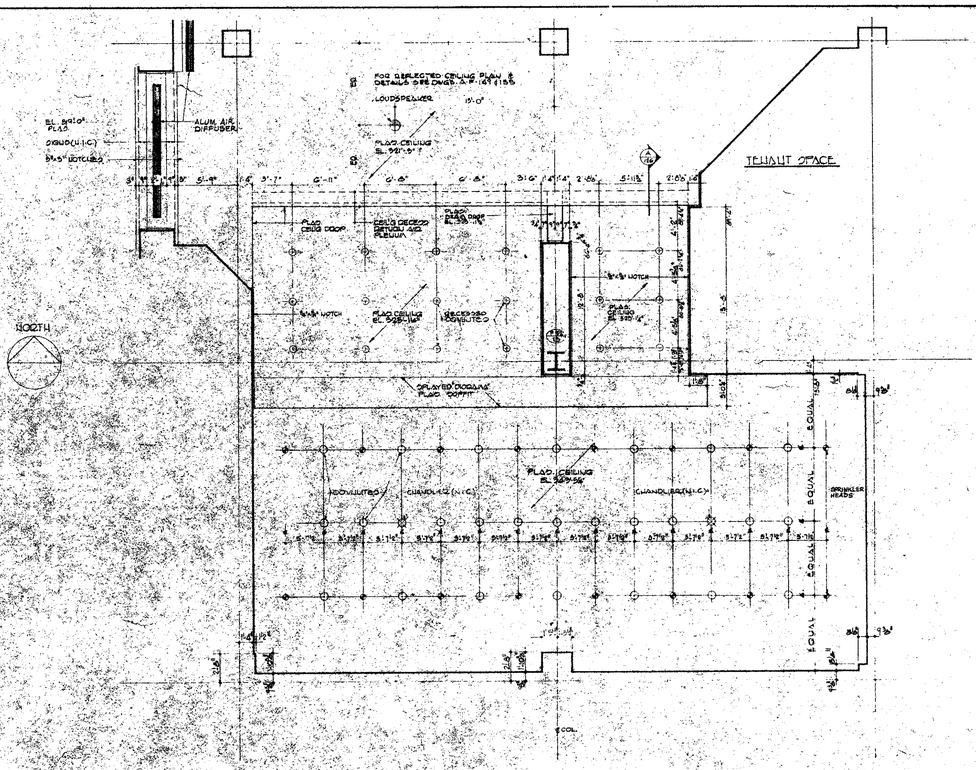
1/4" = 1'-0" 0 1' 2' 3' 4' 8' 12'

TITLE: SOUTHEAST PLAZA BUILDING CEILING DETAILS

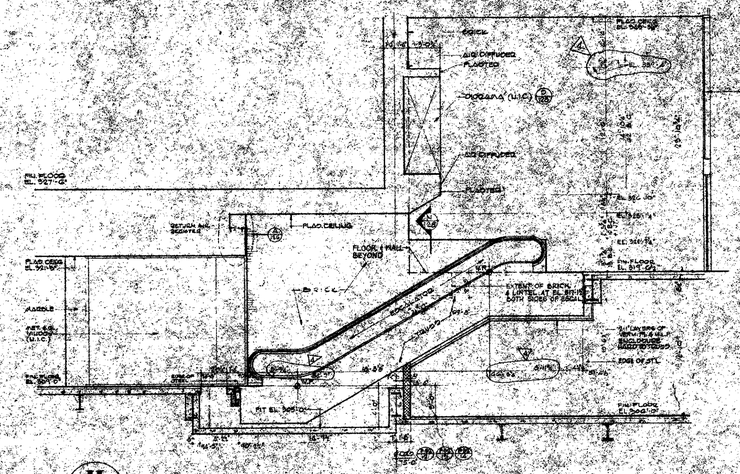
DRAWN	G.A.	CHECKED	
SCALE	AS SHOWN	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·125		



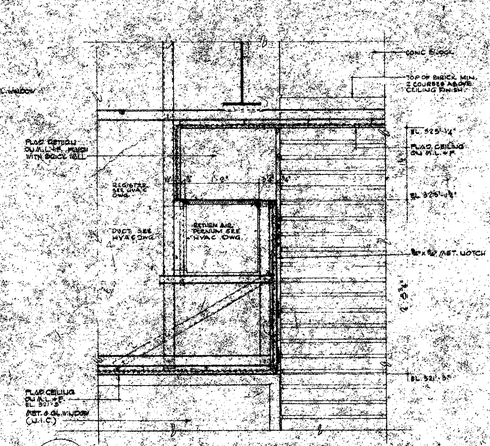
FLOOD PLAN
SCALE: 1/8"=1'-0"



REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"



H/126 ELEVATION
SCALE: 1/4" = 1'-0"



A/126 DETAIL -A- THRU RA PLENUM
SCALE: 1/2" = 1'-0"

RECEIVED
DEC 9 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
217 EAST 48th ST., N.Y.C. 10017

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWGS AF-1 TO AF-5.

NO.	DATE	REVISIONS	BY
5	1-10-77	F-46	H.M.
6	10-17-78	F-15	L.J.
7	4-27-79	F-	L.J.
8	7-17-79	REVISE	L.J.
9	11-21-79	ADD F-	L.J.

CONTRACT NO. DRAWING dated 11-21-73

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

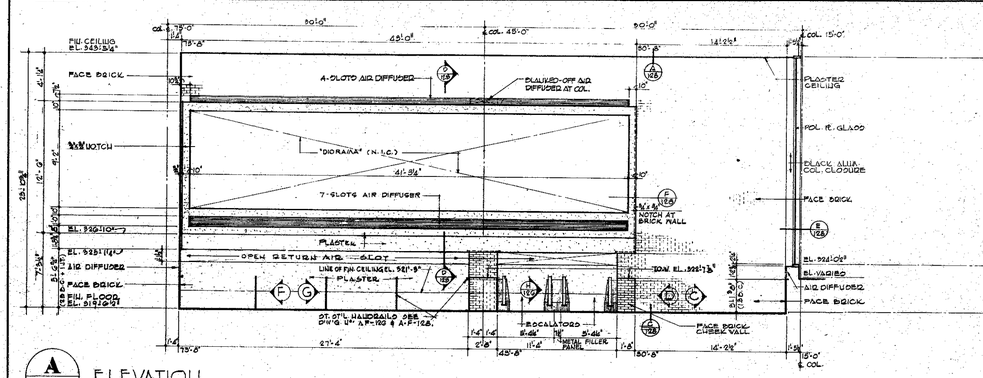
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

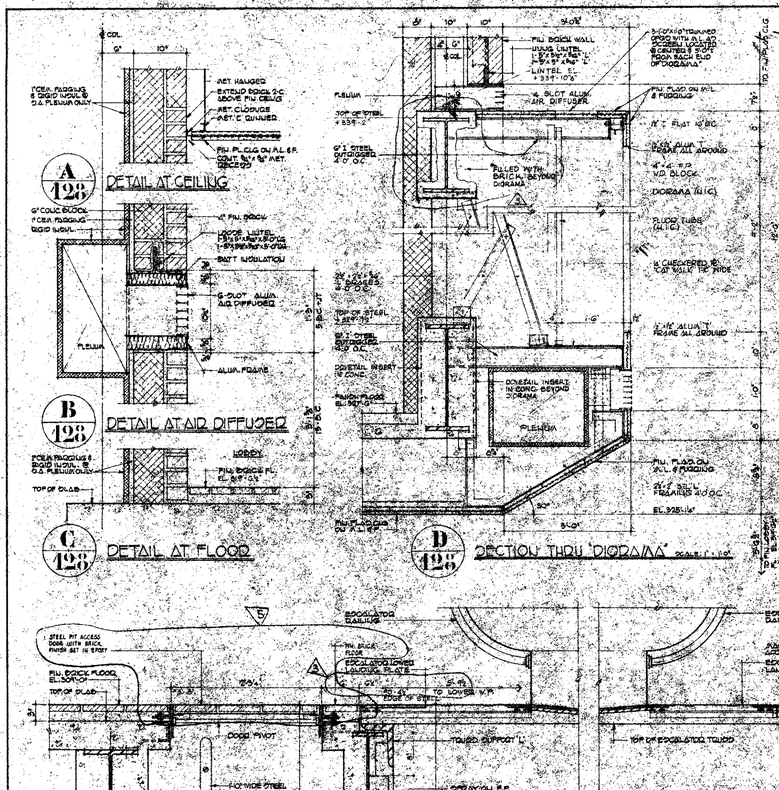
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES & FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
LIBERTY ST. LOBBY #2
PLANS & DETAILS

DRAWN	J.Z.G.
SCALE	AS NOTED
DATE	11-18-76
PROJECT NUMBER	
DRAWING NUMBER	A-F-426


FIN. CEILING EL. 945'-5 3/4"
FACE BRICK
4'-0"
4'-0"
23'-10 3/8"
15'-0"
8'-0"
EL. 930'-10"
EL. 925'-11 7/8"
AIR DIFFUSER
FACE BRICK
FILL FLOOR EL. 917'-0 1/2"
80'-10"
45'-0"
80'-0"
14'-2 1/4"
15'-0"
18'-0"
A-SLOTS AIR DIFFUSER
PLAIN-OFF AIR DIFFUSER AT COL.
PLASTER CEILING
"DIORAMA" (N.I.C.)
41'-8 1/4"
7-SLOTS AIR DIFFUSER
PLASTER
OPEN RETURN AIR SLOT
LINE OF FIN CEILING EL. 921'-9"
PLASTER
FOL. PL. GLASS
BLACK ALUM. COL. CLOSURE
FACE BRICK
NOTCH AT BRICK WALL
EL. 922'-10 1/2"
EL. VARIES
AIR DIFFUSER
FACE BRICK
TOW EL. 922'-1 3/8"
FACE BRICK CURTAIN WALL
ESCALATORS 32.66' 16° 61'-4 1/2"
METAL FILLER PANEL
27'-4"
27'-6"
45'-0"
11'-4"
1'-6"
15'-0"
15'-0"
15'-0



RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 48th St., N.Y.C. 100

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWGS AF-1 TO AF-5

CONTRACT: 8R DRAWING date 11-21-73

NO.	DATE	REVISION	NO.	BY
A	10-77	F-46	K.K.	
B	8-15-75	F-22	MN.	
C	10-17-75	F-13	L.J.	
D	4-12-76	F-1	L.J.	
E	10-17-74	75-41	L.J.	

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

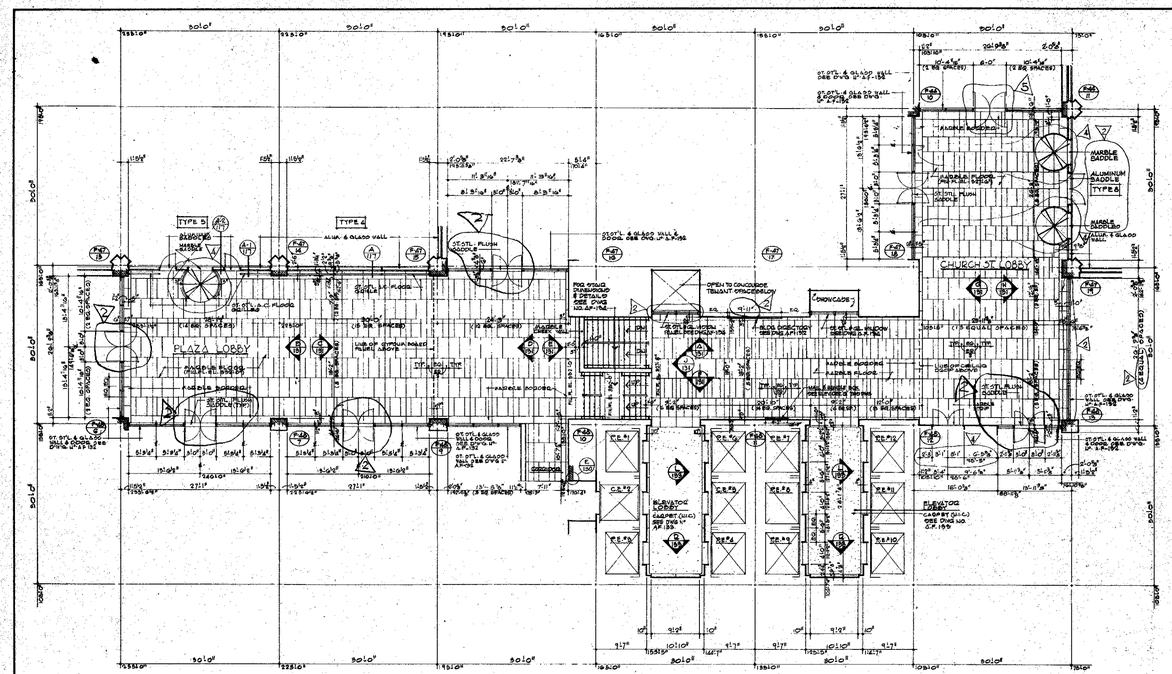
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

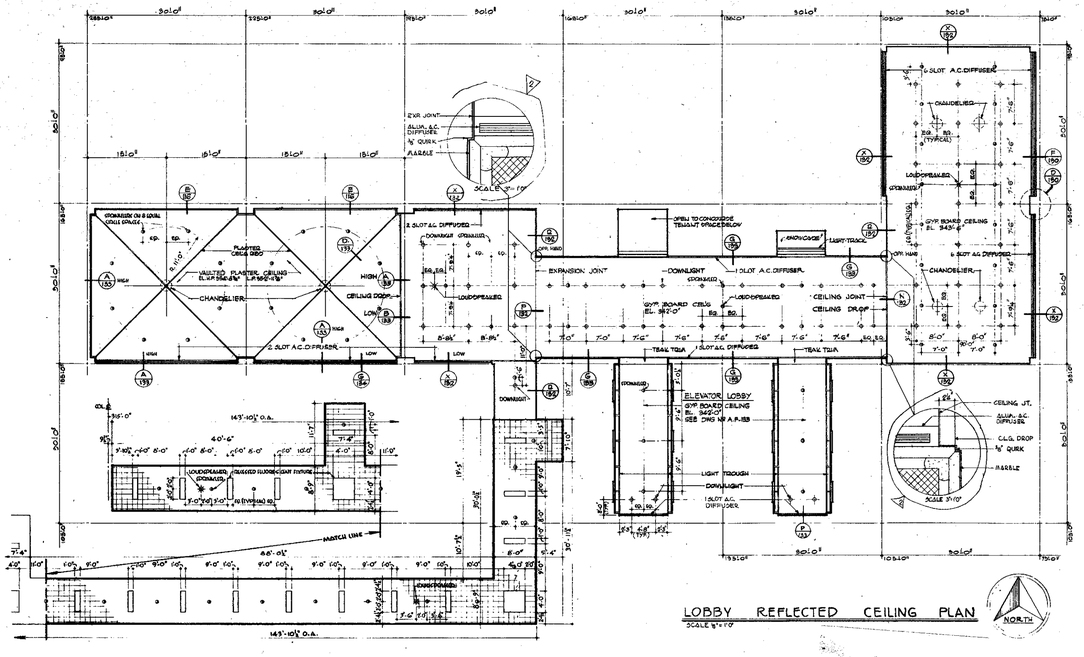
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
LIBERTY ST. LOBBY #2
DETAILS

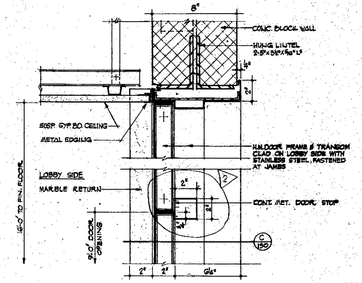
DRAWN	G.A.
CHECKED	
SCALE	1½"=1'-0" & AS NOTED
DATE	11-15-73
PROJECT NUMBER	
SHEET OF	
DRAWING NUMBER	AF 128



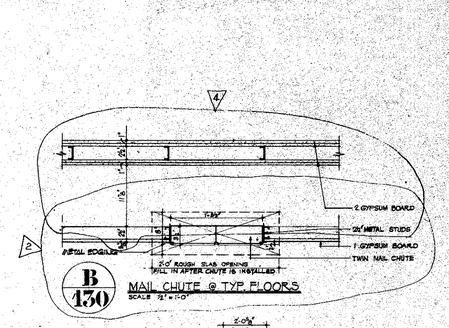
LOBBY FLOOR PLAN
SCALE: 1/8"=1'-0"



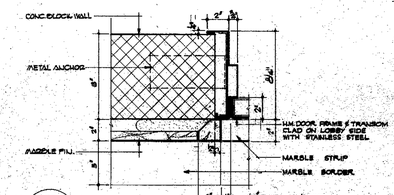
LOBBY REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"



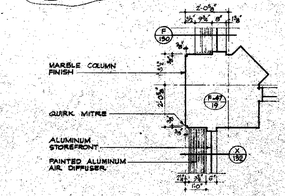
A/130 HEAD - DOOR FROM LOBBY TO STAIR #1 & 2
SCALE 3"=1'-0"



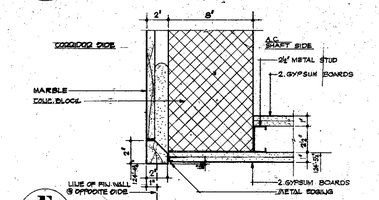
B/130 MAIL CHUTE @ TYP. FLOORS
SCALE 3/4"=1'-0"



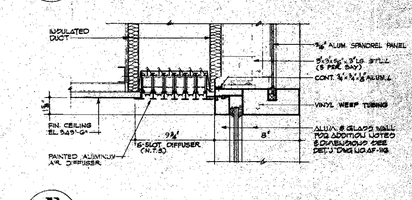
C/130 JAMB - DOOR FROM LOBBY TO STAIR #1 & 2
SCALE 3"=1'-0"



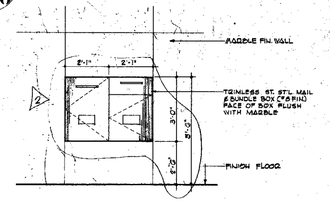
D/130 REFLECTED CEILING PLAN @ COLUMN E-47/9
SCALE 3/4"=1'-0"



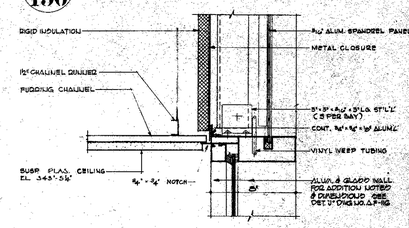
E/130 PLAN SECTION - RETURN @ C.E. # 2
SCALE 3"=1'-0"



F/130 A.C. DIFFUSER
SCALE 3"=1'-0"



G/130 ELEVATION OF MAIL & BUNDLE BOX
SCALE: 1"=1'-0"



H/130 HEAD SECTION AT LIBERTY STREET & CHURCH STREET LOBBY
SCALE: 3"=1'-0"

RECEIVED
MAY 7 1976
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

NOTES:
1 - FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG NOS. A-P-1 TO A-P-5
2 - FOR LOBBY ELEVATIONS SEE DWG NO. A-P-191

3"=1'-0" 1½"=1'-0" ½"=1'-0" 1/8"=1'-0"

CONTRACT NO. DRAWING date 11-21-73

NO.	DATE	REVISIONS BUL. NO.	BY
1	5-5-76	F-47	S.C.
2		F-51	L.J.
3	9-15-75	F-22	M.H.
4	10-17-75	F-15	L.J.
5	7-15-76	REV #1	L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

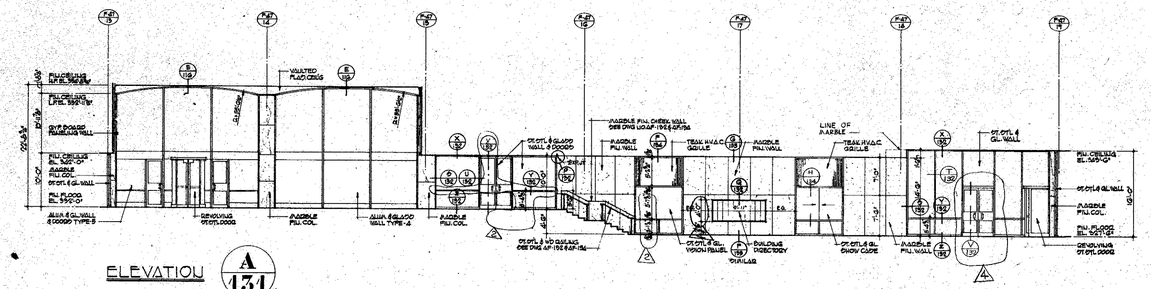
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

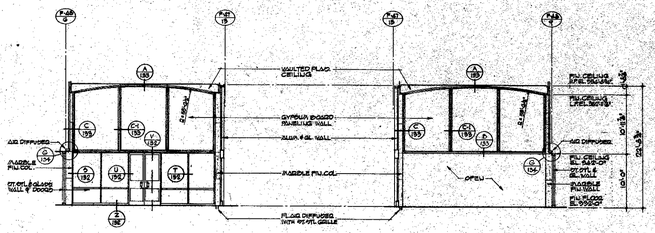
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL; PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING PLANS & DETAILS @ CHURCH ST. & PLAZA LOBBIES

DRAWN	V.D.
CHECKED	
SCALE	AS NOTED
DATE	11-15-73
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-P 130

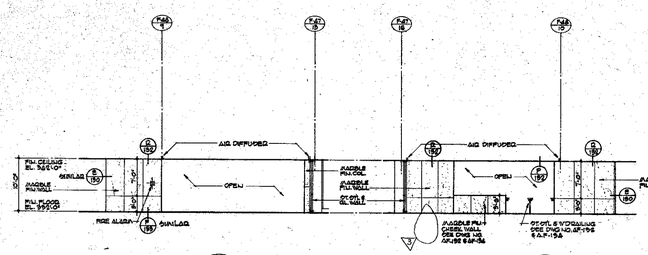


ELEVATION A 131



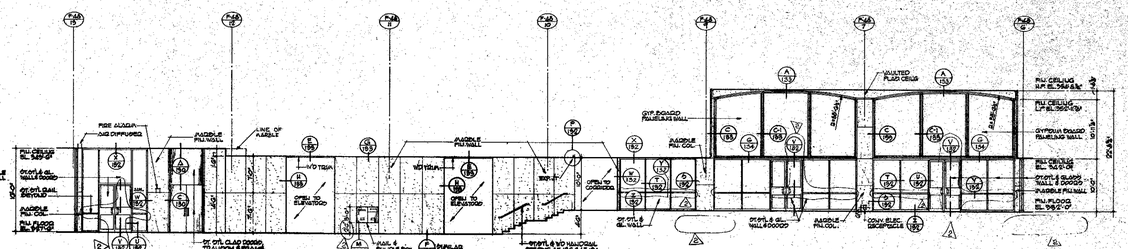
ELEVATION B 131

ELEVATION C 131

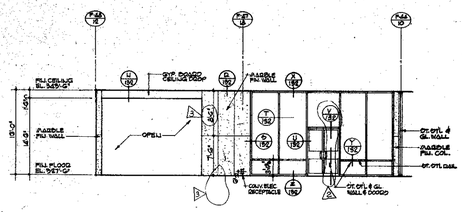


ELEVATION D 131

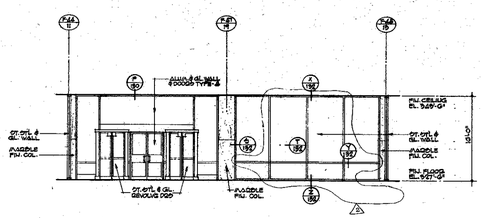
ELEVATION E 131



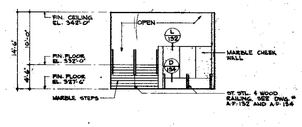
ELEVATION F 131



ELEVATION G 131



ELEVATION H 131



ELEVATION J 131

NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DWG NO. AF-110 & AF-115
2- FOR LOBBY FLOOR & REFLECTED CEILING PLAN SEE DWG AF-130.
3- FOR LOBBY SECTIONS & DETAILS SEE DWG AF-192, AF-193 & AF-194.
4- FOR GLASS WALL TYPE-4, TYPE-5 & TYPE-6 SEE DWG AF-114.

RECEIVED
MAY 7 1976
SKILLING - HELLE CHRISTIANSEN - ROBERTSON 230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING* date 11-21-73

NO.	DATE	SUB. NO.	BY
4	5-5-76	F-47	A.C.
3		F-31	L.J.
2	10-17-75	F-13	L.J.
1	7-16-76	F.D. #1	L.J.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

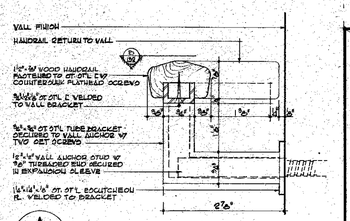
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

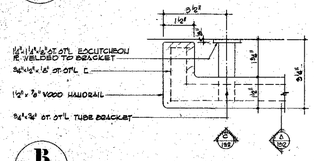
1/8"-1'-0" 0 4' 8' 16' 24'

TITLE: SOUTHEAST PLAZA BUILDING
CHURCH ST. AND PLAZA
LOBBY ELEVATIONS

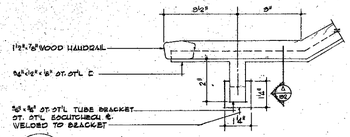
DRAWN	G.A.	CHECKED	
SCALE	1/8" = 1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-134		



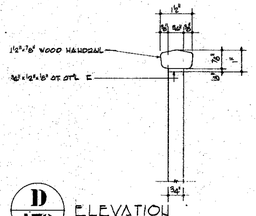
A 132 SECTION THRU HANDRAIL
SCALE: FULL SIZE



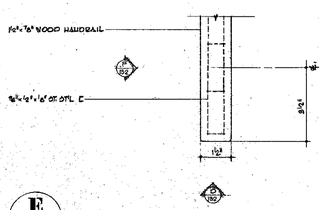
B 132 PLAN
SCALE: HALF FULL SIZE



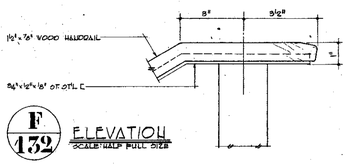
C 132 ELEVATION
SCALE: HALF FULL SIZE



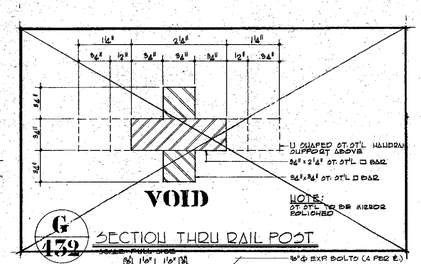
D 132 ELEVATION
SCALE: HALF FULL SIZE

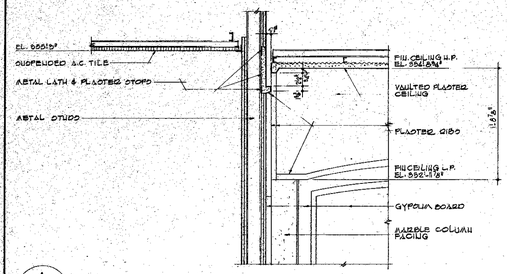


E 132 PLAN
SCALE: HALF FULL SIZE

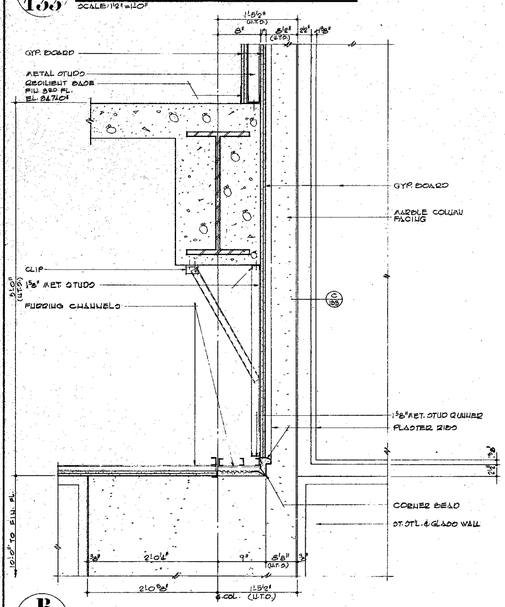


F 132 ELEVATION
SCALE: HALF FULL SIZE

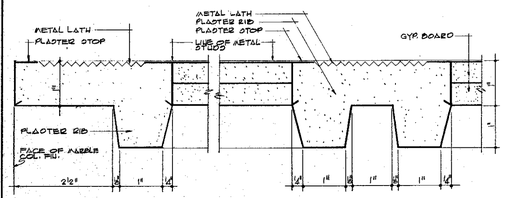

1¼"
2½"
1¼"
9⅝"
9⅝"
9⅝"
9⅝"
9⅝"
1½"
9⅝"
9⅝"
9⅝"
9⅝"
9⅝



A 133 SECTION THRU HIGH CEILING
SCALE: 1½" = 1'-0"

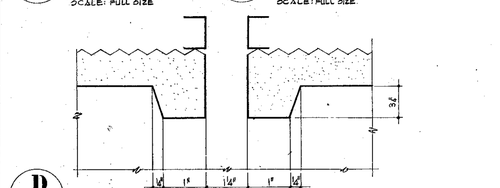


B 133 SECTION THRU LOW CEILING
SCALE: 1½" = 1'-0"

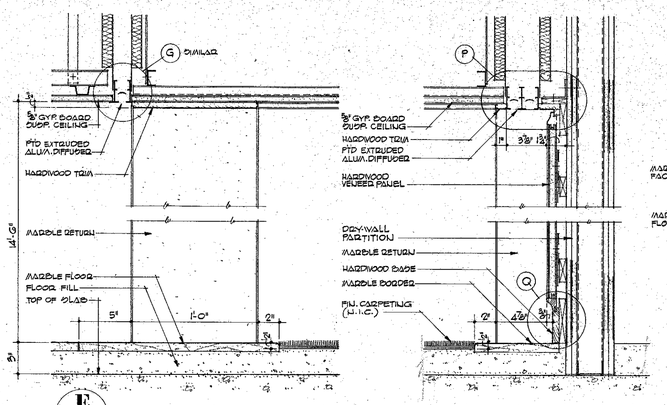


C 133 PLASTER WALL RIB-PERIMETER
SCALE: FULL SIZE

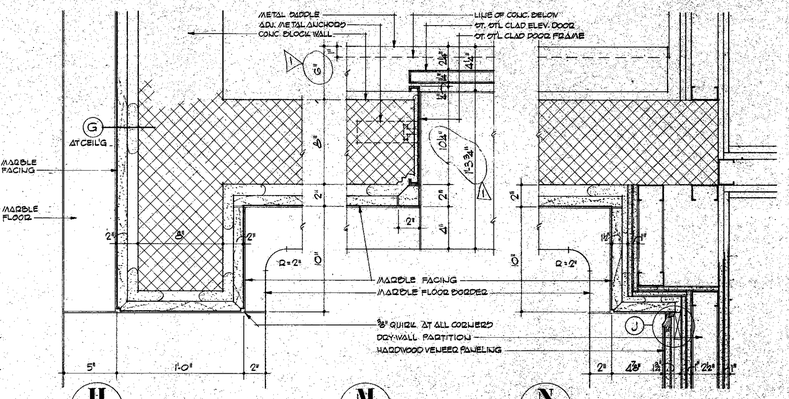
C-1 133 PLASTER WALL RIB-INTERMEDIATE
SCALE: FULL SIZE



D 133 PLASTER VAULTED CEILING RIBS
SCALE: FULL SIZE



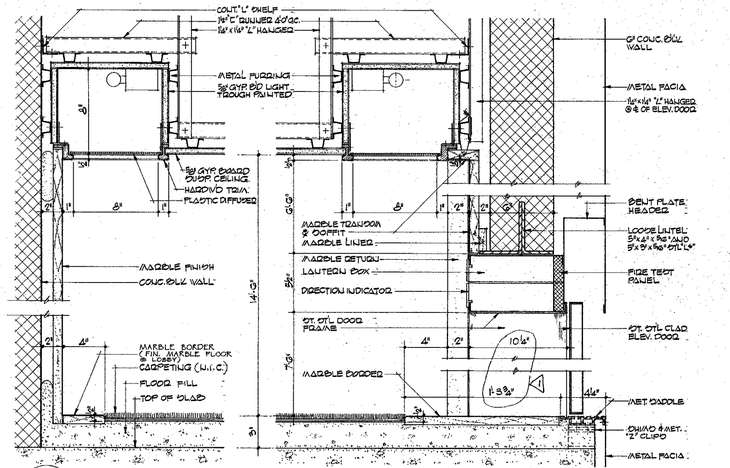
E 133 SECTION THRU ELEVATOR LOBBY
SCALE: 3" = 1'-0"



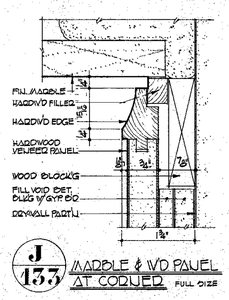
H 133 WALL RETURN
SCALE: 3" = 1'-0"

M 133 DOOR JAMB
SCALE: 3" = 1'-0"

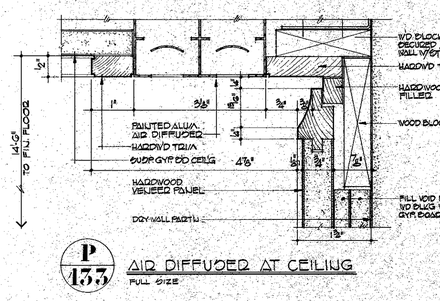
N 133 REAR-WALL CORNER
SCALE: 3" = 1'-0"



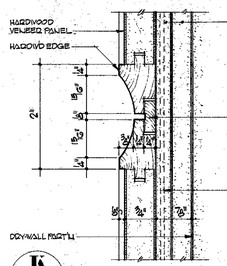
F 133 CROSS-SECTION THRU ELEVATOR LOBBY
SCALE: 3" = 1'-0"



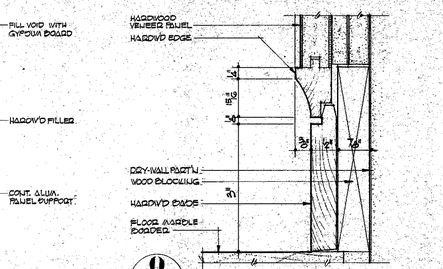
J 133 MARBLE & W'D PANEL AT CORNER
FULL SIZE



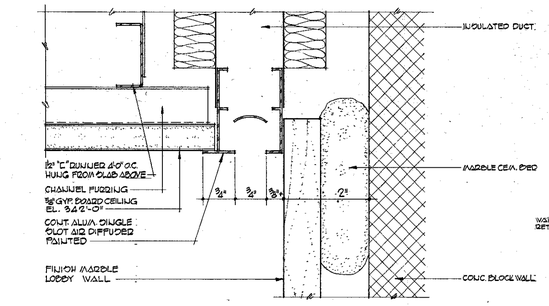
P 133 AIR DIFFUSER AT CEILING
FULL SIZE



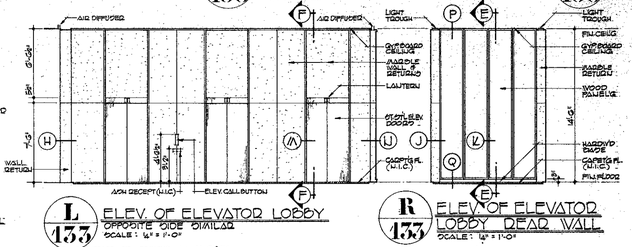
K 133 W'D PANEL JOINT
FULL SIZE



Q 133 WOOD BASE
FULL SIZE



G 133 TYPICAL DETAIL OF LOBBY AIR DIFFUSER AT CEILING
FULL SCALE



L 133 ELEV. OF ELEVATOR LOBBY OPPOSITE SIDE SIMILAR
SCALE: ½" = 1'-0"

R 133 ELEV. OF ELEVATOR LOBBY DEAD WALL
SCALE: ½" = 1'-0"

NOTES:
1 - FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG AP-1 TO AP-5
2 - FOR COMPLETE PLAN & ELEVATIONS SEE LOBBY DWGS. LOWER MAN. & AP-101

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE., N.Y.C.

3"=1'-0" 0 1' 2' 3' 4' 8' 16'
1½"=1'-0" 0 1' 2' 3' 4' 8' 16'
¼"=1'-0" 0 1' 2' 3' 4' 8' 16'

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
1	10-17-75	F-18	LW

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

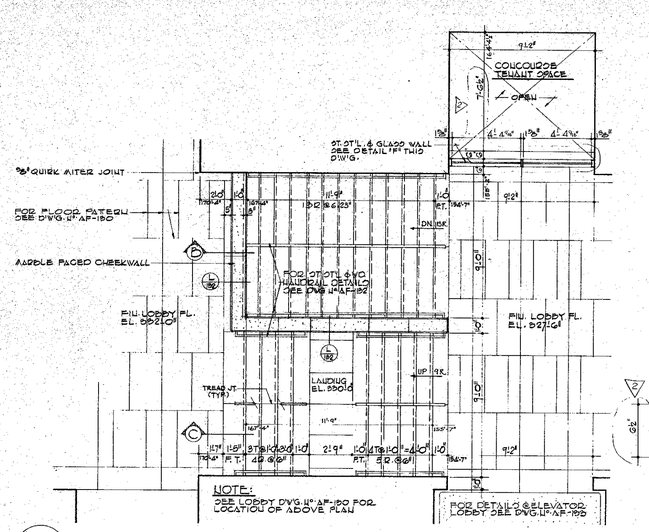
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

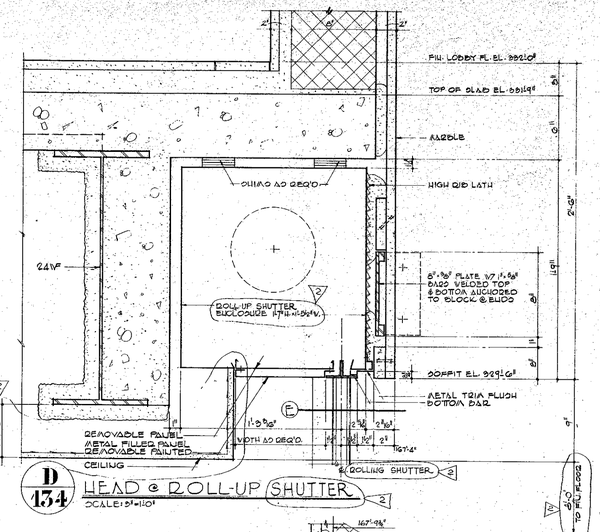
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL-ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING DETAILS AT CHURCH ST. AND PLAZA LOBBIES

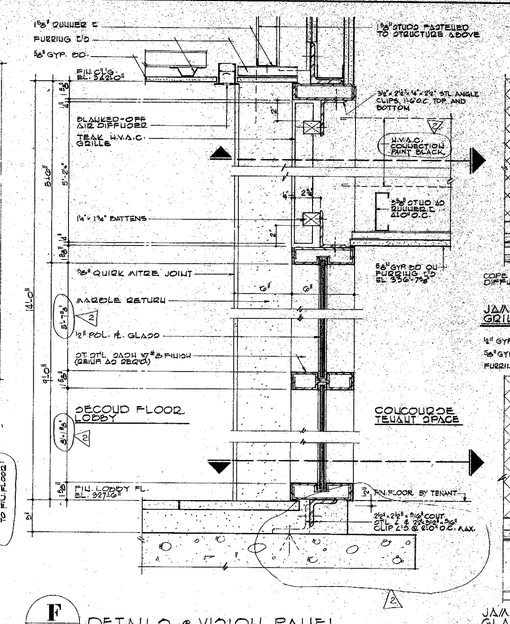
DRAWN	G.A.	CHECKED	
SCALE	AS NOTED	DATE	7/15/73
PROJECT NUMBER	-	SHEET	OF
DRAWING NUMBER	A-F-133		



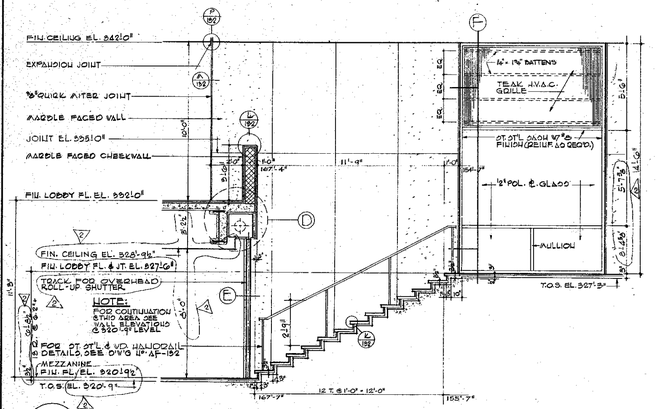
A/134 PART PLAN @ LOBBY STAIRS
SCALE: 3/8"=1'-0"



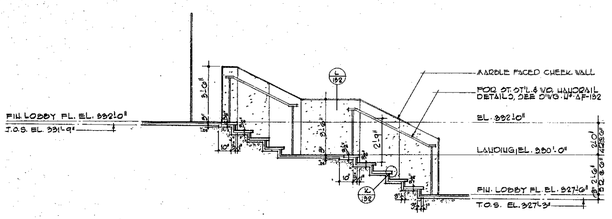
D/134 HEAD @ ROLL-UP SHUTTER
SCALE: 3"=1'-0"



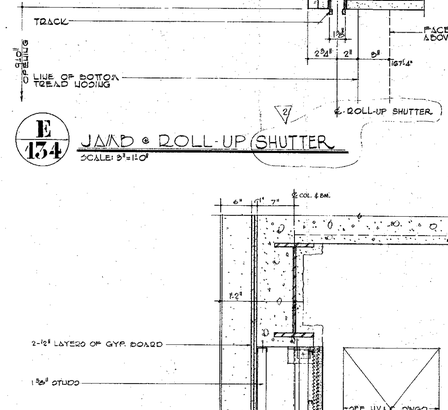
F/134 DETAILS @ VISION PANEL
SCALE: 3"=1'-0"



B/134 SECTION THRU LOBBY STAIR
SCALE: 3/8"=1'-0"

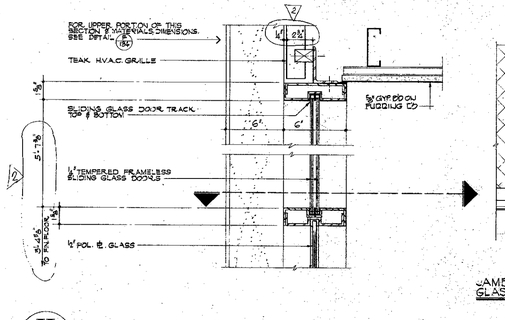


C/134 SECTION THRU LOBBY STAIR
SCALE: 3/8"=1'-0"



E/134 JAMB @ ROLL-UP SHUTTER
SCALE: 3"=1'-0"

G/134 CEILING DIFFUSER
SCALE: 1 1/2"=1'-0"



H/134 SECTION THRU SHOWCASE
SCALE: 3"=1'-0"

RECEIVED
OCT 23 1975
SKILLING - HELLE CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

NOTE:
FOR GENERAL NOTES, KEY TO ASTERISKS & ABBREVIATIONS, SEE DWG. U"-0 AF-1 TO AF-5

3/8"=1'-0" 0 1/2" 1" 2" 3" 4" 5" 6" 7" 8"
1 1/2"=1'-0" 0 1" 2" 3" 4" 5" 6" 7" 8"
3"=1'-0" 0 1" 2" 3" 4" 5" 6" 7" 8"

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
4	11-12-75	F-22	L.J.
3	10-17-75	F-13	L.J.
2	7-17-74	REVISED	L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING DETAILS @ 2ND. FL. LOBBY

DRAWN	R.D.G.	CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-134		

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. A-S.1 THRU 5.
2. THE CONTRACT LIMIT LINES INDICATED ON THIS DRAWING ARE FOR FINISHES ONLY.
3. FOR FINAL NOTES & DIMENSIONS OF FOOD CONTRACT LIMIT LINES FOR FINISHES SEE DWG. A-F-22.
4. FOR COMPLETE REFLECTED CEILING PLAN SEE DWG. A-F-148

PART PLAN AT UNDERPASS LEVEL

NOTE: FOR ESCALATOR & STAIR DETAILS SEE DWG. A-F-153

PASSAGE B
PAV. FL. EL. VARIES

SLOPE 1/2"

37 RISERS @ 7'-6" = 49'-6"

CARREFOUR
PAV. FL. EL. 309'-0"

FIN. FL. EL. 309'-0"

TERRAZZO FLOOR PANELS 6" WIDE QUICK STRIPS AT CHROME CONTRACTION GOOD DWG. TO BE CUSHIONED W. PLASTIC TOPPED W. EPOXY GROUT FINISH AREAS SET TO INCREASE TAKE-UP 50 PT.

PASSAGE E

ESCALATOR

ESCALATOR

ESCALATOR

ESCALATOR

FIN. WALL LINE AT UNDERPASS LEVEL, SEE PLANT ROOM

LIMIT OF MARBLE OF PLATFORM

MEN'S TOIL. #1
FOR TOILET DETAILS SEE DWG. A-F-151

WOMEN'S TOIL. #1

BASE BLDG. FL. CONTRACT AREA

FIN. FL. EL. 309'-8"

FIN. FL. EL. 309'-4"

FIN. FL. EL. 309'-0"

90'-0" LONG (-0" CLOSE; SLOPE AS "PASSAGE B" DIFFERENT, SEE ABOVE

BOULEVARD
FIN. F.E. 309'-0"

TERRAZZO FLOOR PANELS 6" WIDE QUICK STRIPS AT CHROME CONTRACTION GOOD DWG. TO BE CUSHIONED W. PLASTIC TOPPED W. EPOXY GROUT FINISH

GRADE EL. 15'-0"

GRADE EL.

BRICK PIERS

LIMITS OF BASE BLDG. FL. CONTRACT

BRICK PIERS

TENANT DEMISING PARTITIONS - FOR FINAL LOCATION SEE TENANT ARCHITECTURAL DRAWINGS

MATCH LINE 'A' FOR CONTINUATION OF PLAN SEE DWG. A-F-141

MATCH LINE 'A' FOR CONTINUATION OF PLAN SEE DWG. A-F-143

MATCH LINE 'C' FOR CONTINUATION OF PLAN SEE DWG. A-F-141

MATCH LINE 'C' FOR CONTINUATION OF PLAN SEE DWG. A-F-143

RECEIVED
JAN 21 1976

KEY PLAN

SKILLING-HELLE
CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11.21.1973

NO.	DATE	BUL. NO.	BY
		F-36	L.J.
		F-31	L.J.
	10-15-75	F-15	H.K.
	11-15-74	229 V1	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING, 1ST FLOOR PLAN, NORTH.

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-440		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. A-1-1 THRU 9.
2. THE CONTRACT LIMIT LINES INDICATED ON THIS DWG. ARE FOR DRAINAGE ONLY.
3. FOR PLAN, ASTM & ELEVATION OF GROUND CONTACT LIMIT LINES FOR FOUNDATIONS SEE DWG. A-1-14.
4. SLIDING METAL GRILLES INDICATES
5. FOR COMPLETE REFLECTED CEILING PLAN SEE DWG "A-F-140"

RECEIVED

JAN 21 1976

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

KEY PLAN

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
				1		F-BG	L.J.
				2		F-SI	L.J.
				3		F-RS	L.J.
				4	9-15-75	F-22	L.J.
				5	10-17-75	F-15	L.J.
				6	12-10-76	ESK#2	C.C.
				7	2-19-76	DEV. # 1	T.S.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

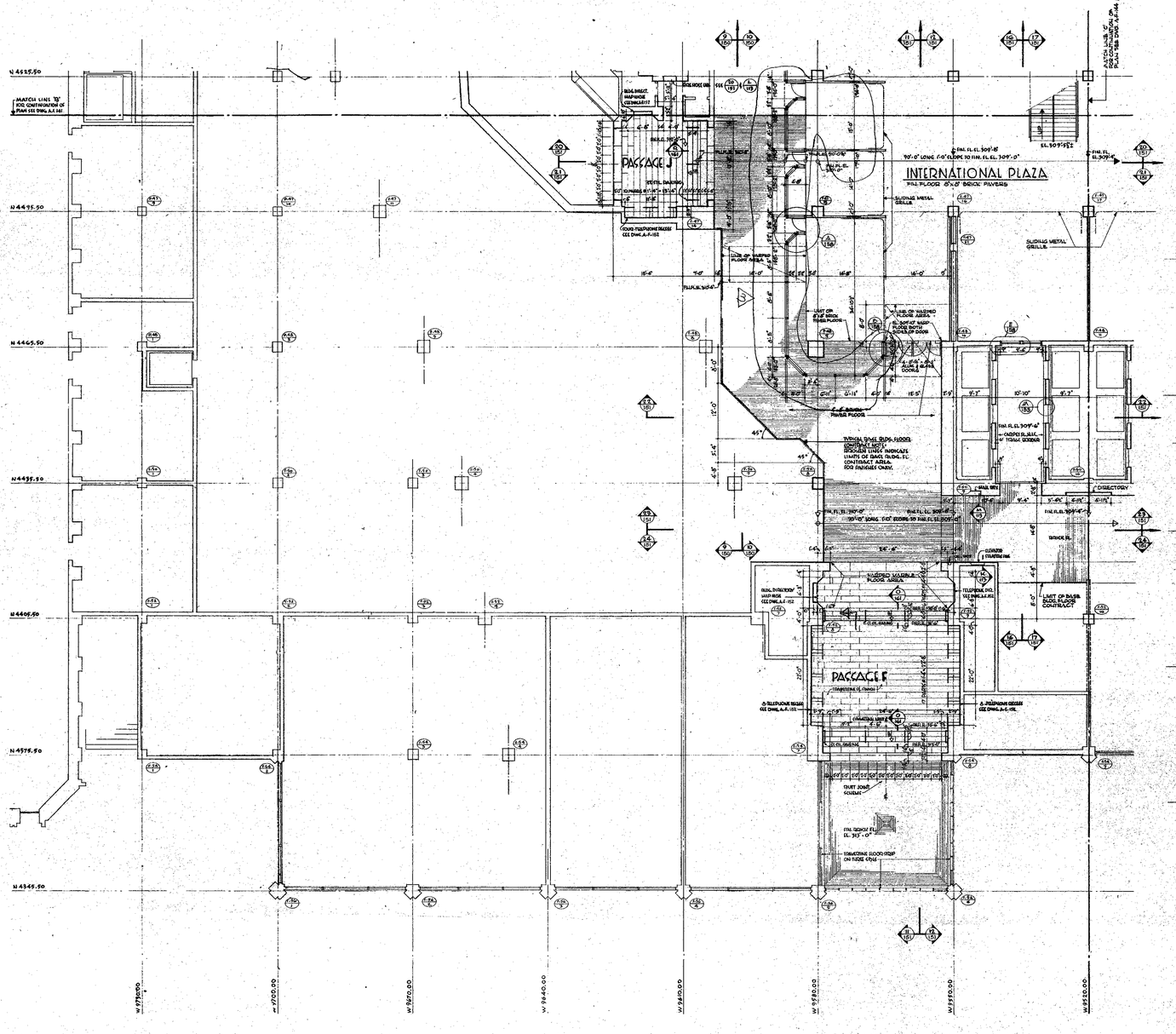
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING. 1ST FLOOR PLAN. CENTER-WEST.

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-21-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-141		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. A-1.1 SERIES.
2. FOR CONTRACT LIMIT LINES REFERRED ON THIS DRAWING, SEE FOR FINISHING DWGS.
3. FOR PLAN NOTES & DIMENSIONS OUTSIDE CONTRACT LIMIT LINES FOR FINISHING SEE DWG. A-1.35
4. INDICATES SLIDING METAL GRILLE

KEY PLAN

RECEIVED
OCT 1 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT: BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	9-15-75	F-22	L.J.
2	12-15-76	CDV#2	C.G.
3	7.19.76	CDV#1	T.E.
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

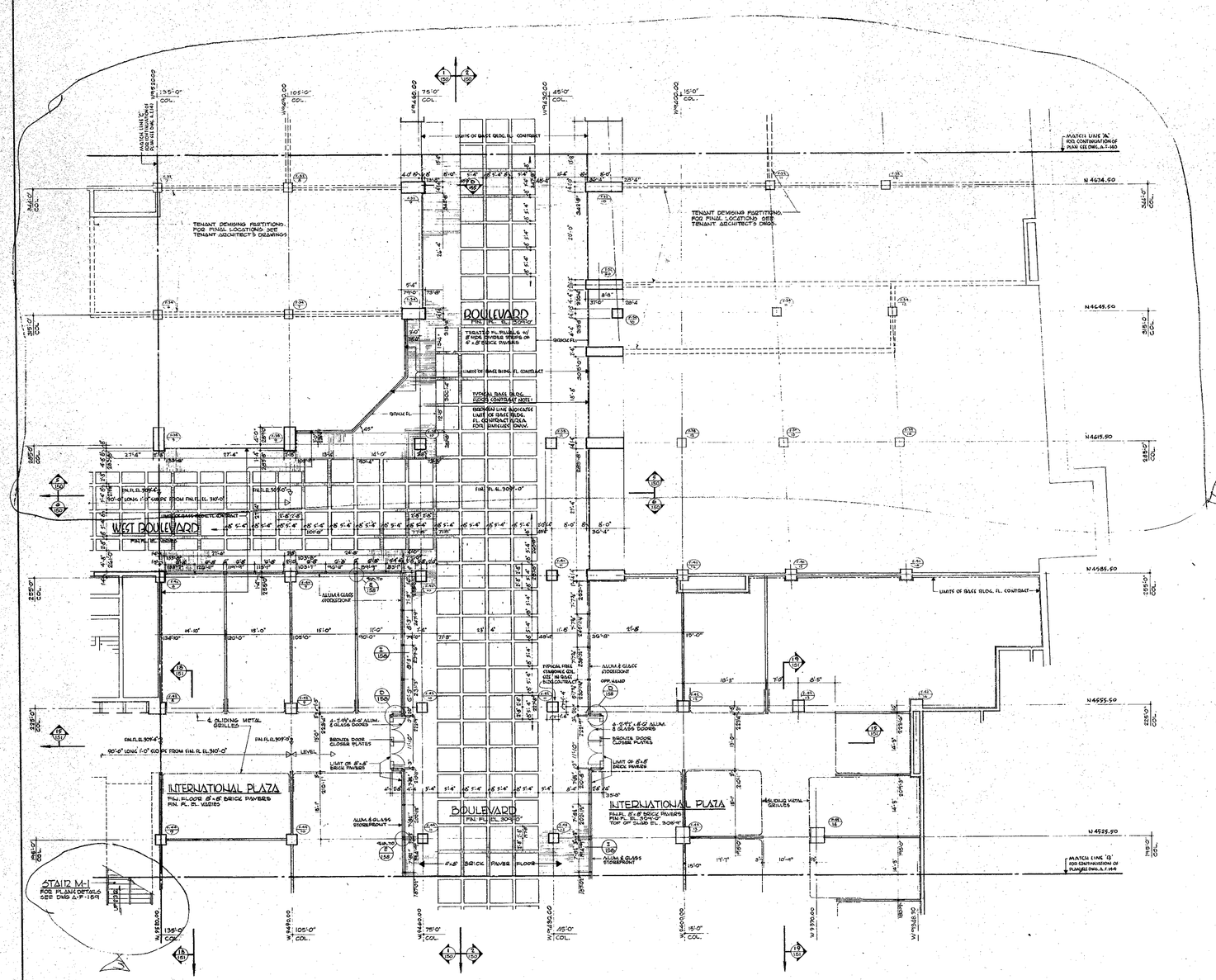
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING, 1st & MEZZANINE FLOOR PLAN, SOUTH-WEST.

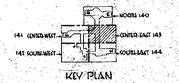
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-142		

NORTH

NOTES:
1. FOR GENERAL NOTES, SEE F-100 MATERIALS & FABRICATION SEE DWGS. A-1-1 THRU 5.
2. THE CONTRACT LIMIT LINES INDICATED ON THIS DWG. ARE FOR STAGING ONLY.
3. FOR PLAN NOTES 4 & 5 DIMENSIONS BEYOND CONTRACT LIMIT LINES FOR FRAMING, SEE DWGS. A-F-85
4. ——— INDICATES SLIDING METAL GRILLE
5. FOR COMPLETE REFLECTED CEILING PLAN SEE DWG. A-F-145



RECEIVED
OCT 23 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.



CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BSL. NO.	BY
1	9-12-75	F-22		J.K.
2	10-17-75	F-15		J.K.
3	11-18-75	KEY 4E		C.G.
4	2-19-76	CRW 1		T.L.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

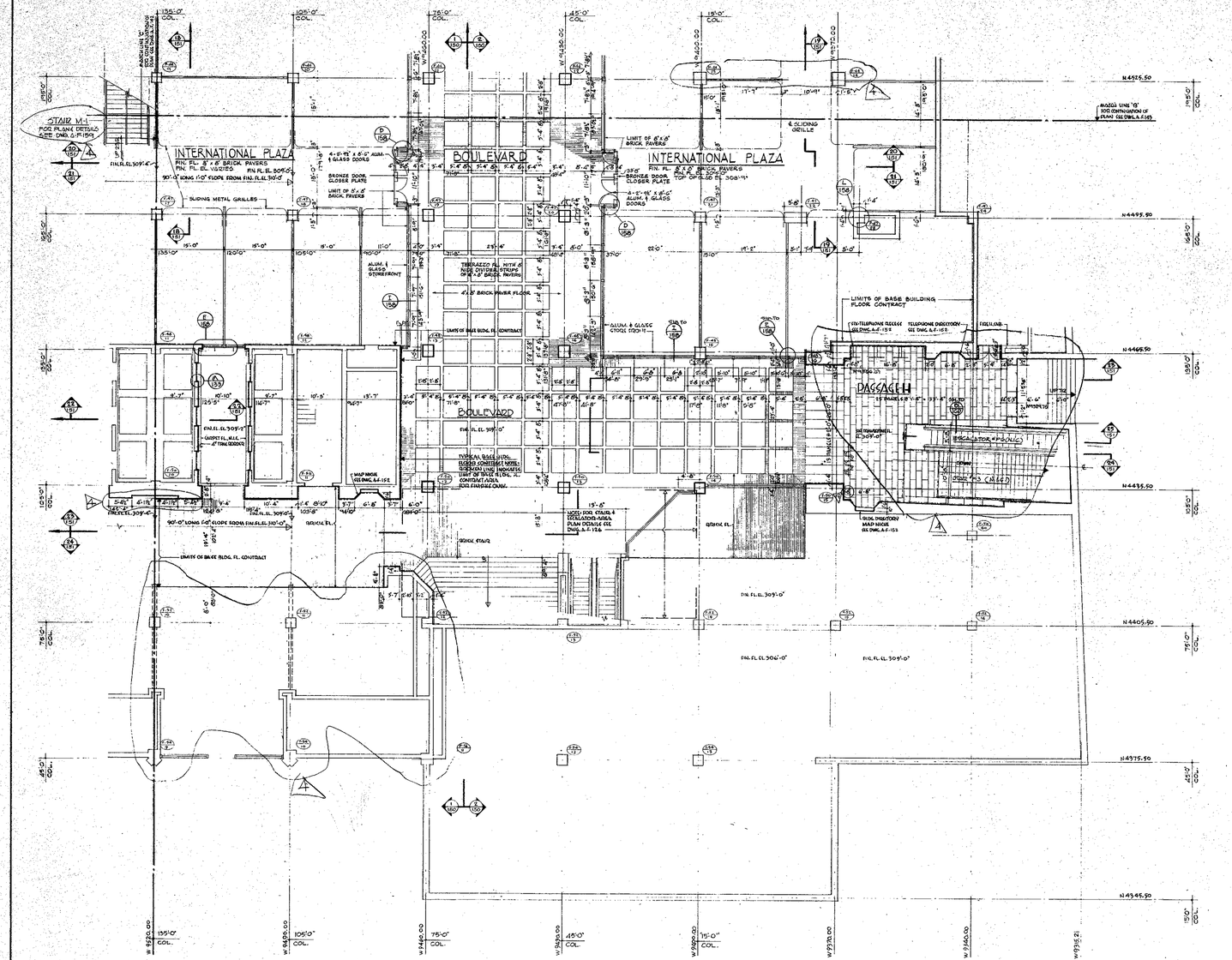
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING, 1ST FLOOR PLAN, CENTER-EAST.

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-143.		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. A-S-0 SERIES.
2. THE CONTRACT LIMIT LINE INDICATED ON THIS DRAWING ARE FOR RANGE ONLY.
3. SOD PLAN NOTES & DIMENSIONS BELOW GRADE CONTOUR CHAIR LINES SOD'S FINISHED SEE DWG. A-L-1 & 2.
4. SLIDING METAL GRILLES
5. FOR COMPLETE DEPICTED CEILING PLAN SEE DWG. A-P-104

KEY PLAN

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
REVISIONS			
△	9-15-75	F-22	L.J.
△	10-17-75	F-15	L.J.
-	12-18-75	REV #2	L.J.
△	7-19-76	ADD #1	T.S.
△	11-14-74	ADDENDUM #2	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTH EAST PLAZA BUILDING 1ST FLOOR PLAN SOUTH-EAST

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-P-144		

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. A-F-1 THRU 5.
2. TILE CONTRACT LIMIT UNLESS INDICATED ON THE DRAWING ARE SOG STAIRS ONLY.
3. SOG PLAN, NOTES & DIMENSIONS DERIVED HORIZONTALLY LIGHT BASE SOG STAIRS SEE DWG. A-F-125
4. FOR COMPLETE FLOOR PLAN SEE DWG. A-F-140

PART PLAN AT UNDERPASS LEVEL

PASSAGE B

PASSAGE E

CARREFOUR

BOULEVARD

MEN'S TOIL. #1

WOMEN'S TOIL. #1

MATCH LINE 'A' FOR CONTINUATION OF PLAN SEE DWG A-F-146

MATCH LINE 'C' FOR CONTINUATION OF PLAN SEE DWG A-F-146

MATCH LINE 'C' FOR CONTINUATION OF PLAN SEE DWG A-F-148

MATCH LINE 'A' FOR CONTINUATION OF PLAN SEE DWG A-F-145

RECEIVED
JAN 21 1976
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

KEY PLAN

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BUL. NO.	BY
1	10-17-75	F-13	F-36	L.J. N.K.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

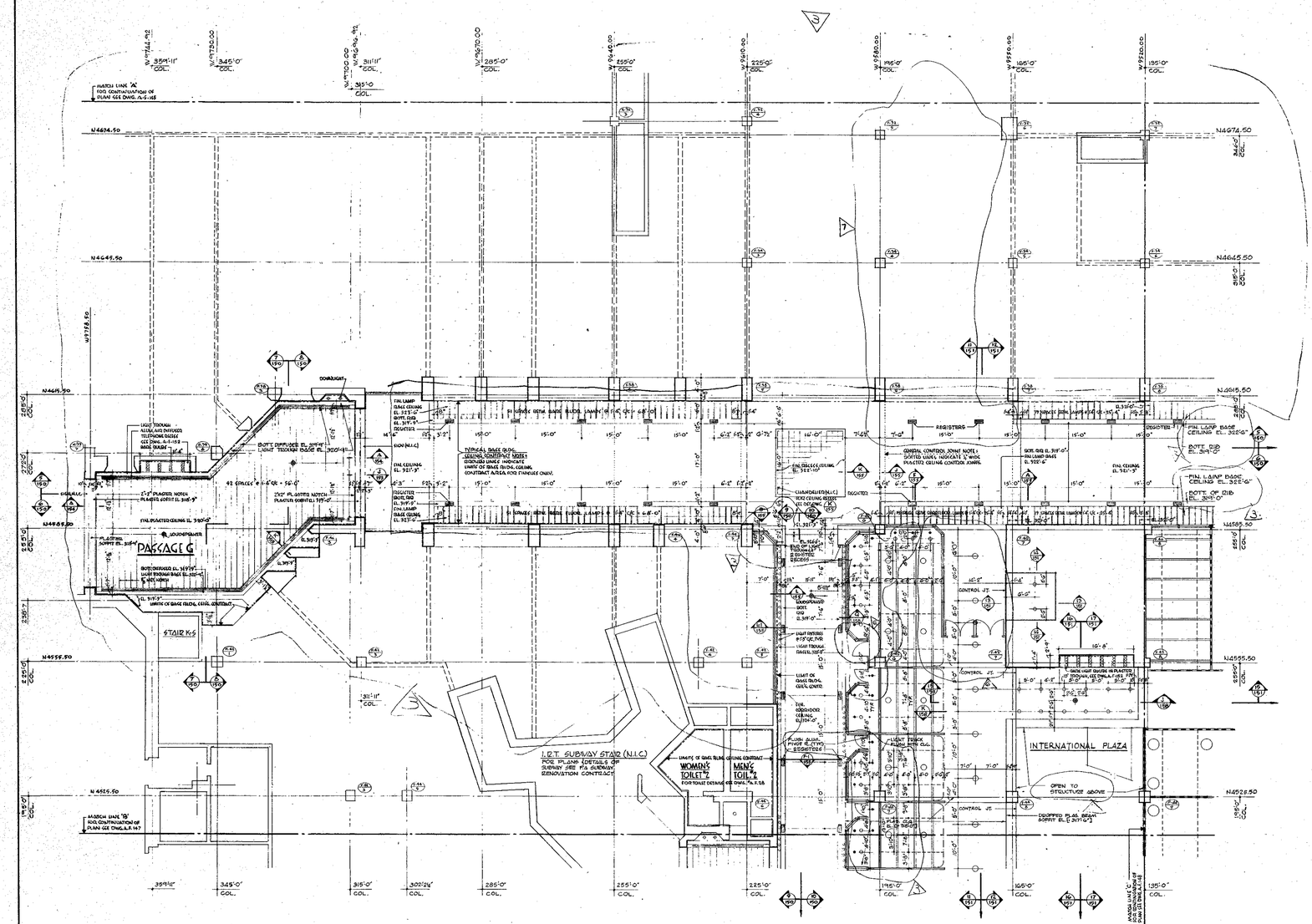
TITLE: SOUTHEAST PLAZA BUILDING, 1st FLOOR REFLECTED CEILING PLAN. NORTH.

DRAWN		CHECKED	
SCALE	1/8"-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-145		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWGS. A-1-1 THRU 5.
2. THE CONTRACT LIMIT LINES INDICATED ON THIS DRAWING ARE FOR TRADES ONLY.
3. FOR FURN. NOTES & DIMENSIONS OF LOOSE CONTRACT LIMIT LINES FOR TRADES SEE DRAWING A-F-14.
4. FOR COMPLETE FLOOR PLAN SEE DWG. AF-141.



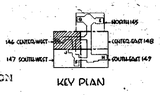
SYMBOL KEY FOR INTERNATIONAL PLAZA AREA

- METAL LIGHT TRACK
- FLUORESCENT STRIP LIGHT
- SLIDING METAL GRILLES
- 18" OPEN WEB JOISTS. TOP EL. [+ 319'-0"]
- AIR DIFFUSER
- DOWN LIGHT
- SPRINKLER HEAD
- LOUDSPEAKER
- DOME LIGHT FIXTURE

RECEIVED

JAN 21 1975

SKILLING - HELLE CHRISTIANSEN - ROBERTSON 230 PARK AVE. N.Y.C.



KEY PLAN

0 4' 8' 16' 24'

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BUL. NO.	BY
1			F-80	L.J.
2			F-98	L.J.
3	9-16-75		F-99	L.J.
4	10-17-75		F-113	J.K.
5	11-18-75		REV. 2	L.J.
6	11-19-75		ADD'L	L.J.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING, 1ST FLOOR REFLECTED CEILING PLAN, CENTER-WEST

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-F-146		

SYMBOL KEY FOR INTERNATIONAL PLAZA AREA

- METAL LIGHT TRACK
- FLOURESCENT STRIP LIGHT
- SLIDING METAL GRILLES
- 16" OPEN WEB JOISTS, TOP EL. [+]19'-0"
- AIR DIFFUSER
- DOWN LIGHT
- SPRINKLER HEAD
- LOUDSPEAKER
- DOME LIGHT FIXTURE

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE SHEET A-F-1101 E.
2. FOR SCANTLING & MECHANICAL DIMENSIONS SHOWN ON THIS DRAWING, SEE SEPARATE DRAWINGS.
3. FOR PLAN, NOTES & DIMENSIONS ON SCHED. CONTRACT LIGHT LINES FOR FLUORESCENT, SEE DWG. A-F-125.

PASSAGE J

PASSAGE E

MEZZANINE

SLIDING METAL GRILLE

DROPPED PLASTER SOFFIT EL. 320'-5½"

BARE LIGHT BULBS IN PLAS. TROUGHS SEE DWG. A-F-152

PLAS. CEILING EL. 313'-11½"

DROPPED PLASTER SOFFIT EL. 320'-5½"

BOTTOM OF LIGHT IN PLASTER SOFFIT

EXPOSED STRUCTURE

RETURN PLASTER UP TO SLAB ABOVE

9 SLOT CONT. ALUM. AIR DIFFUSER

VISION PANEL WELL

GYP BOARD SOFFIT ON METAL FURRING AT EL. 317'-0" TO CONTINUE FINISH OF INTERIOR, OF VISION PANEL WELL. RETURN GYP. BOARD TO SLAB ABOVE OUTSIDE I'-5" SOFFIT

ROLL-UP DOOR, SEE DETAILS ON DWG #A-F-184

N 4529.50
N 4495.50
N 4465.50
N 4435.50
N 4405.50
N 4376.50
N 4345.50

W 9730.00
W 9700.00
W 9670.00
W 9640.00
W 9610.00
W 9580.00
W 9550.00
W 9520.00

MEZZANINE FLOOR

RECEIVED
OCT 23 1975
SKILLING - HELLE CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

KEY PLAN

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
4	9-12-75	F-22	JVL
3		F-16	JK
2	4-1-75	F-2	LJ
1	10-17-75	E-13	LJ
0	11-18-74	ADD'L	LJ
Δ	7-19-74	ADD'L	LJ

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

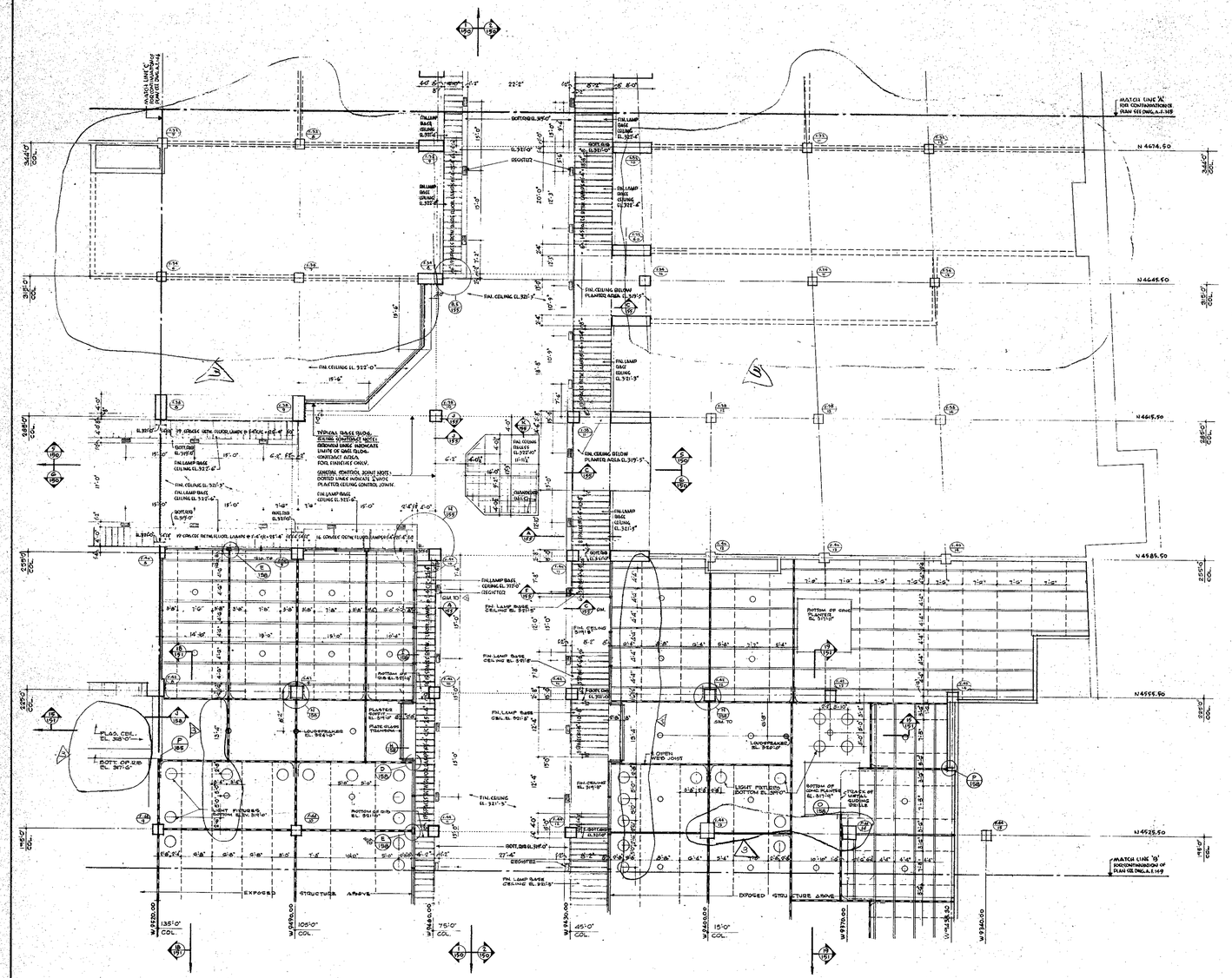
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

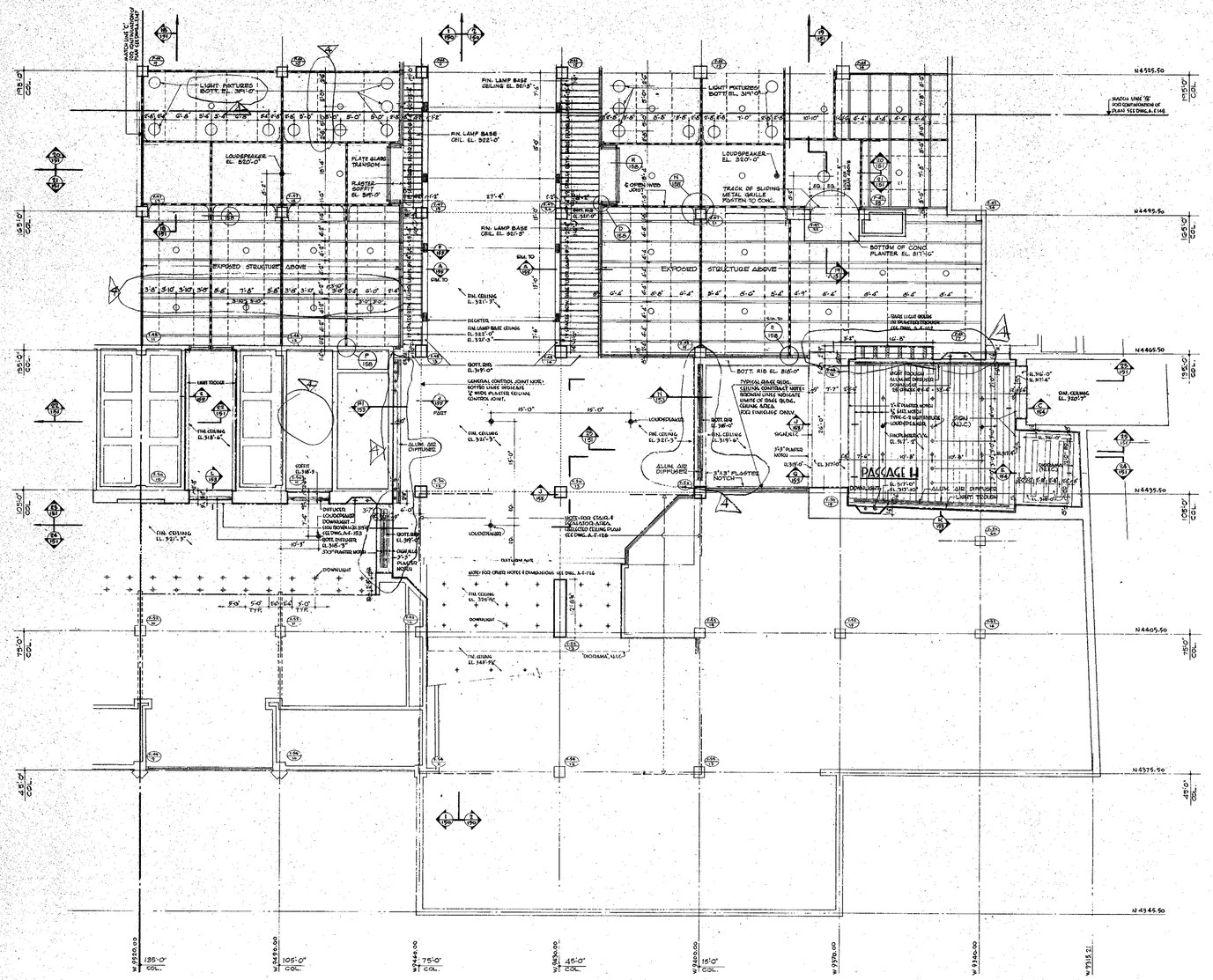
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING #5 & MEZZANINE REFL. CEILING PLAN, SOUTH-WEST.

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET OF
DRAWING NUMBER A-F-147	


MATCH LINE 'A' FOR CONTINUANCE (SEE DWG. A-1.149)
MATCH LINE 'B' FOR CONTINUANCE (SEE DWG. A-1.149)
N 4474.50
N 4485.50
N 4495.50
N 4505.50
N 4515.50
N 4525.50
N 4535.50
W 9530.00
W 9470.00
W 9430.00
W 9360.00
W 9270.00
W 9230.00
135'-0" COL.
105'-0" COL.
75'-0" COL.
45'-0" COL.
15'-0" COL.
FLAG. COL. EL. 368'-0"
BOTT. OF SOFFIT EL. 347'-6"
EXPOSED STRUCTURE ABOVE
EXPOSED STRUCTURE ABOVE
FIN. CEILING EL. 322'-0"
FIN. CEILING BELOW PLANTED AREA EL. 319'-5"
FIN. LAMP BASE CEILING EL. 321'-3"
FIN. LAMP BASE CEILING EL. 321'-4"
FIN. LAMP BASE CEILING EL. 321'-6"
FIN. LAMP BASE CEILING EL. 321'-0"
FIN. LAMP BASE CEILING EL. 321'-5"
FIN. CEILING EL. 321'-5"
FIN. CEILING EL. 321'-3"
BOTTOM EL. 319'-0"
BOTTOM EL. 319'-6"
BOTT. OF SOFFIT EL. 319'-0"
BOTTOM EL. 321'-0"
BOTTOM EL. 321'-6"
BOTTOM OF DUCT EL. 321'-0"
BOTTOM OF DUCT EL. 321'-6"
BOTTOM OF DUCT EL. 321'-3



NORTH

NOTES:

1. FOR FLOORING NOTES AND TILE MATERIALS & INSTALLATIONS SEE DWGS. A-1-101 & 102.
2. FOR CEILINGS & LIGHT LINES INDICATED ON PLAN NOMENCLATURE, SEE FINISHING DWGS.
3. FOR PLAN NOTES & DIMENSIONS BEYOND CONFINES LIGHT LINES, SEE DWGS. A-1-124.
4. FOR COMPLETE FLOOR PLAN SEE DWG. A-1-124.

SYMBOL KEY FOR INTERNATIONAL PLAZA AREA

- METAL LIGHT TRACK
- FLOURESCENT STRIP LIGHT
- SLIDING METAL GRILLES
- 18" OPEN WEB JOISTS, TOP EL. [+ 319'-0"]
- AIR DIFFUSER
- DOWN LIGHT
- SPRINKLER HEAD
- LOUDSPEAKER
- DOME LIGHT FIXTURE

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

KEY PLAN

CONTRACT BID DRAWING date 11-21-75

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
3	9-11-75	F-22	LVL
2	10-17-75	F-13	LK
1	4-1-75	F-2	L.J.
4	12-16-74	REV.#2	L.J.
3	7-15-74	REV.#1	L.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

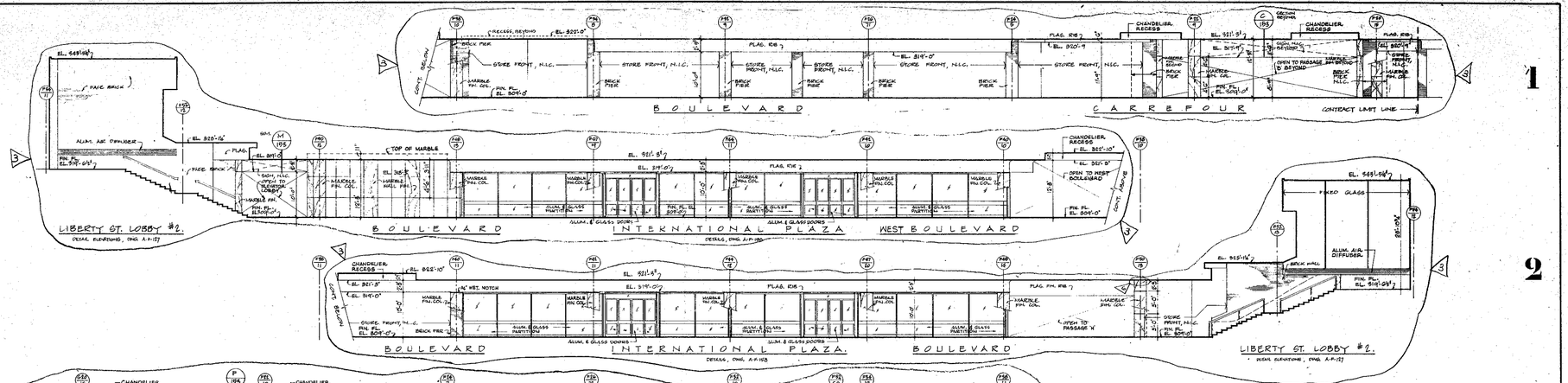
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTH-EAST PLAZA BUILDING 1ST FLOOR REFLECTED CEILING PLAN SOUTH-EAST.

DRAWN	
SCALE	1/8" = 1'-0"
PROJECT NUMBER	
DRAWING NUMBER	A-1
BOARD	
CHECK	
DATE	

1


BOULEVARD
CARREFOUR
CONTRACT LIMIT LINE
LIBERTY ST. LOBBY #2.
INTERNATIONAL PLAZA
WEST BOULEVARD
ALUM. & GLASS DOORS
ALUM. & GLASS PARTITION
MARBLE PIN. COL.
STORE FRONT, M.L.C.
BRICK PIER
FIXED GLASS
ALUM. AIR DIFFUSER
OPEN TO PASSAGE 'A'
OPEN TO PASSAGE 'B' BEYOND
OPEN TO BANKS' LOBBY BEYOND
OPEN TO TENANT SPACE
OPEN TO ELEV. LOBBY
OPEN TO BOULEVARD
OPEN TO WEST BOULEVARD BEYOND
PASSAGE B
PASSAGE E
PASSAGE G
PASSAGE G.
CEILING SECTIONS
SEE DWG. A-F-152 FOR MARBLE WALL PAN.
SEE DWG. A-F-195 FOR MAP NICHE
SEE DWG. A-F-152 FOR DETAILS
SEE DWG. A-F-154 FOR DETAILS
SEE DWG. A-F-155 FOR DETAILS
SEE DWG. A-F-156 FOR DETAILS
SEE DWG. A-F-157 FOR DETAILS
SEE DWG. A-F-158 FOR DETAILS
SEE DWG. A-F-159 FOR DETAILS
SEE DWG. A-F-160 FOR DETAILS
SEE DWG. A-F-161 FOR DETAILS
SEE DWG.

11 12 15 18 19 20 21 23 24 22 25 13 14 16 17

LIBERTY ST. LOBBY #1 — PASSAGE "F" — INTERNATIONAL PLAZA

PASSAGE J — TOILET ENTRY OFF PASSAGE J

PASSAGE H — LIBERTY ST. LOBBY #1 — PASSAGE F

INTERNATIONAL PLAZA — BOULEVARD — INTERNATIONAL PLAZA

1ST. FL. ELEVATOR LOBBY — 2ND. FL. ELEV. LOBBY

1ST. FLOOR ELEVATOR LOBBIES

CONTRACT BID DRAWING date 11.21.1973

NO.	DATE	REVISIONS	BY
1		F-56	L.J.
2		F-31	L.J.
3		F-08	L.J.
4	9-17-75	F-92	J.V.L.
5	10-13-76	F-13	J.K.
6	2-8-74	GBM #1	C.G.
7	2-19-74	GBM #11	T.T.

APPROVED

CHIEF, PLANNING DIVISION

DATE

RECEIVED
JAN 21 1975

AE-15

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE., N.Y.C.

1/8"=1'-0"

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

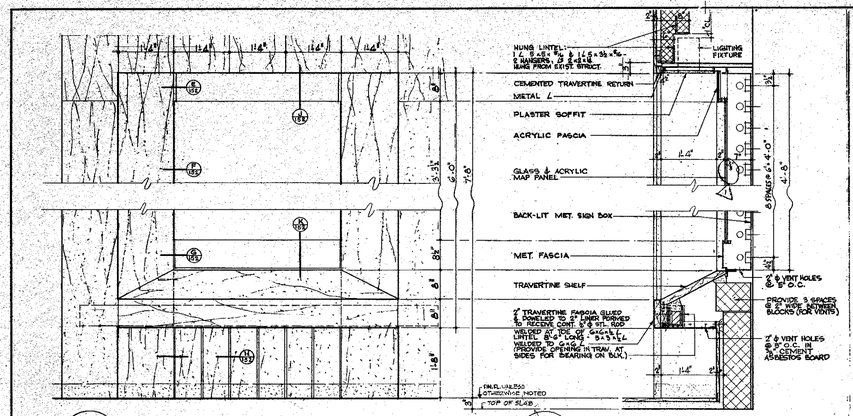
EMERY, ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATION

TITLE: SOUTHEAST PLAZA BLDNG
CONCOURSE ELEVATIONS

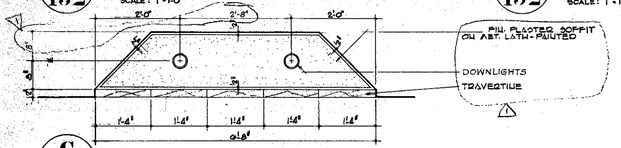
DRAWN	D.K.	CHECKED	
SCALE	1/8"=1'-0"	DATE	11-1973
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-E		



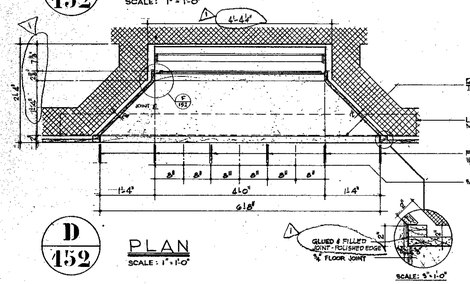
A 152 FRONT ELEVATION
SCALE: 1" = 1'-0"

B 152 SECTION
SCALE: 1" = 1'-0"

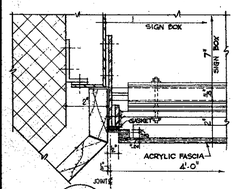
NOTE: WHERE FLOOR IN PASSAGE IS SLOPED, 7'-8" HEIGHT IS MEASURED FROM HIGH POINT OF FLOOR IN PASSAGE AND 7'-8" BASE HEIGHT VARIES



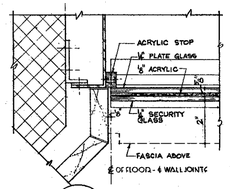
C 152 REFLECTED CEILING PLAN
SCALE: 1" = 1'-0"



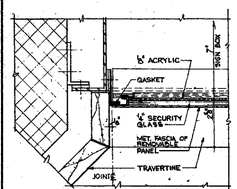
D 152 PLAN
SCALE: 1" = 1'-0"



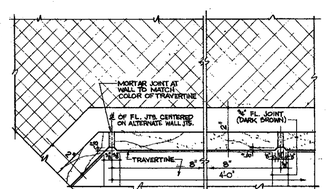
E 152 PLAN THRU ACRYLIC FASCIA
SCALE: 1/2 F.S.



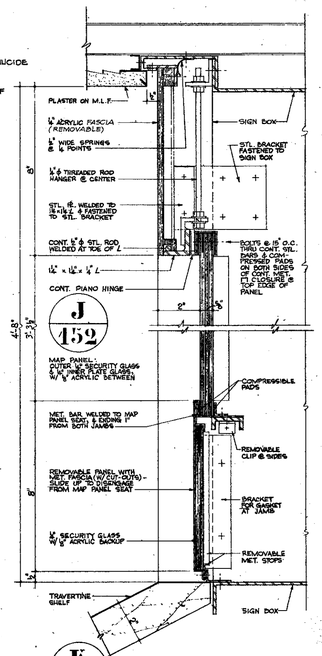
F 152 PLAN THRU MAP PANEL
SCALE: 1/2 F.S.



G 152 PLAN THRU METAL FASCIA
SCALE: 1/2 F.S.

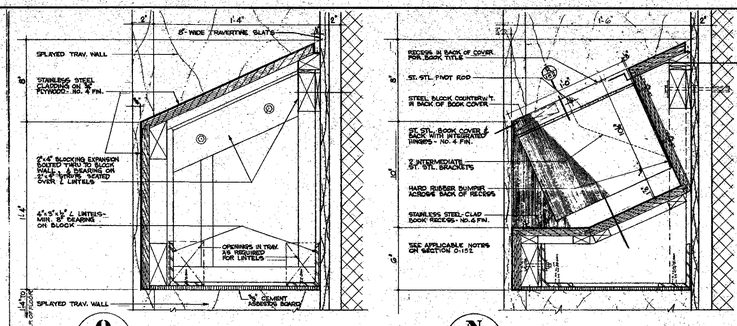


H 152 PLAN BELOW SHELF
SCALE: 1/2 F.S.



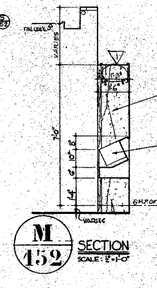
J 152 DETAILS AT HEAD & SILL
SCALE: 1/2 F.S.

DETAILS AT MAP NICHE

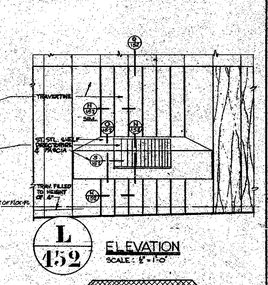


O 152 SECTION THRU SHELF
SCALE: 3" = 1'-0"

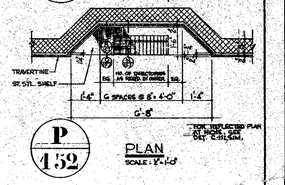
N 152 SECTION THRU BOOK RECESS
SCALE: 3" = 1'-0"



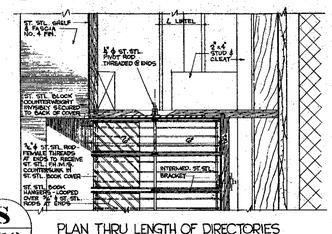
M 152 SECTION
SCALE: 1" = 1'-0"



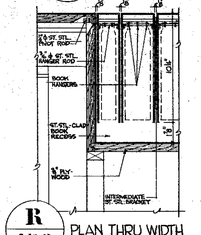
L 152 ELEVATION
SCALE: 1" = 1'-0"



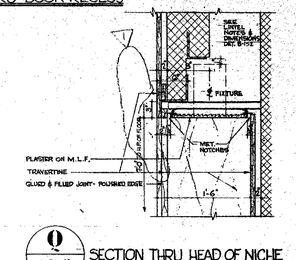
P 152 PLAN
SCALE: 1" = 1'-0"



S 152 PLAN THRU LENGTH OF DIRECTORIES
SCALE: 3" = 1'-0"

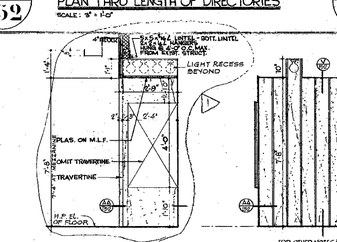


R 152 PLAN THRU WIDTH
SCALE: 3" = 1'-0"



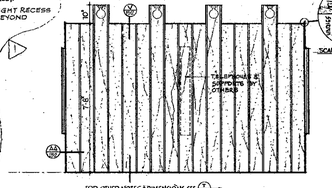
Q 152 SECTION THRU HEAD OF NICHE
SCALE: 1 1/2" = 1'-0"

DETAILS AT TELEPHONE DIRECTORY NICHE

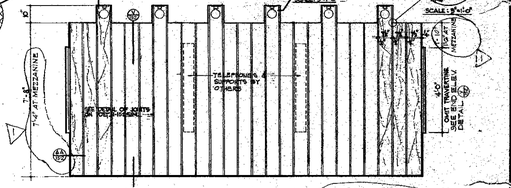


V 152 TYPICAL SECT.
SCALE: 1" = 1'-0"

NOTE: WHERE PASSAGE FLOOR IS SLOPED, 7'-8" HEIGHT IS MEASURED FROM HIGH POINT OF FLOOR IN PASSAGE, IF RECESS IS NOT IN PASSAGE 7'-8" HEIGHT IS MEASURED FROM HIGH END OF FLOOR. THE RECESS FLOOR SLOPE VARIES

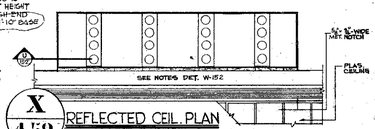


U 152 LONGITUDINAL SECTION
SCALE: 3/4" = 1'-0"

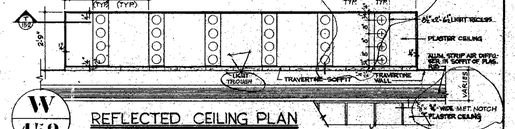


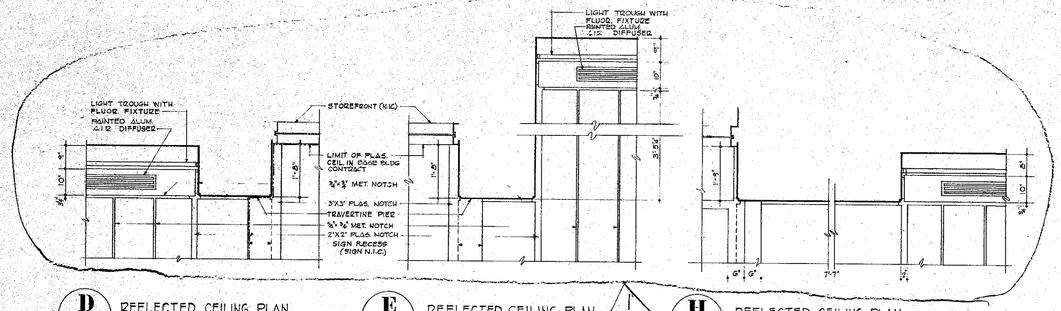
T 152 LONGITUDINAL SECTION
SCALE: 1" = 1'-0"

DETAILS AT TELEPHONE RECESSES



X 152 REFLECTED CEIL. PLAN

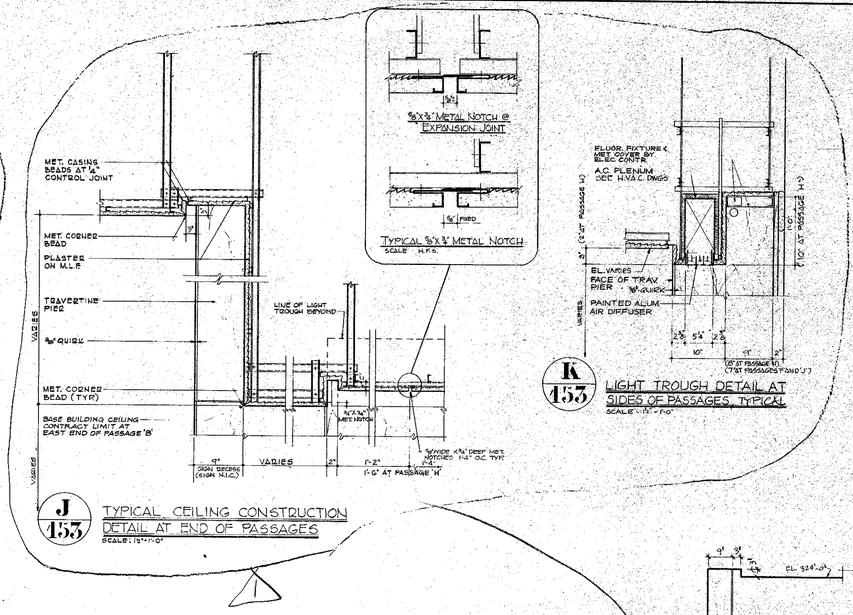

1'-3 3/4" (TYP.)
1'-11" (TYP.)
2'-6"
4'-0"
2'-0"
2'-8"
2'-0"
2'-6"
2'-0"
2'-8"
2'-0"
2'-6"
2'-0"
2'-8"
2'-0"
2'-6



D/153 REFLECTED CEILING PLAN
EAST END OF PASSAGE "B"
SCALE: ¾"=1'-0"

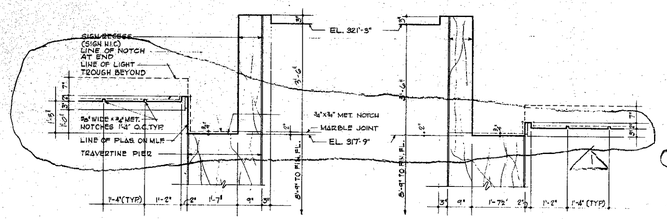
E/153 REFLECTED CEILING PLAN
WEST END OF PASSAGE "E"
SCALE: ¾"=1'-0"

H/153 REFLECTED CEILING PLAN
WEST END OF PASSAGE "H"
SCALE: ¾"=1'-0"
SEE PLAN AT PASSAGE "B" FOR NOTES

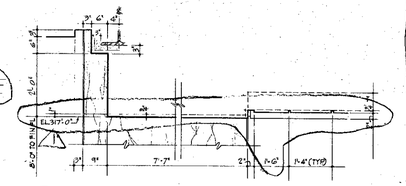


J/153 TYPICAL CEILING CONSTRUCTION DETAIL AT END OF PASSAGES
SCALE: 1½"=1'-0"

K/153 LIGHT TROUGH DETAIL AT SIDES OF PASSAGES, TYPICAL
SCALE: 1"=1'-0"

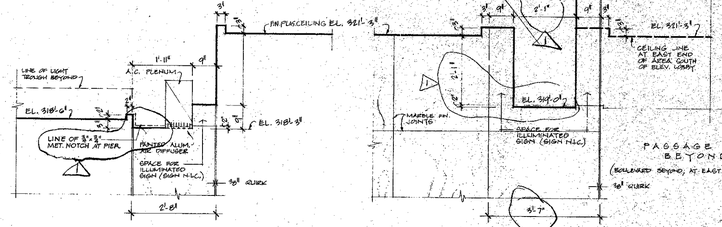


C/153 SECTION
EAST END OF PASSAGE "B"
SCALE: ¾"=1'-0"



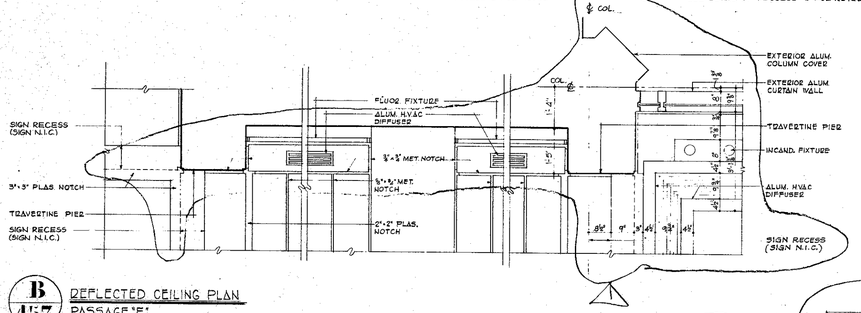
F/153 SECTION
WEST END OF PASSAGE "E"
SCALE: ¾"=1'-0"
SEE DETAIL OF PASSAGE "B" FOR NOTES

G/153 SECTION
WEST END OF PASSAGE "H"
SCALE: ¾"=1'-0"
SEE DETAIL OF PASSAGE "B" FOR NOTES

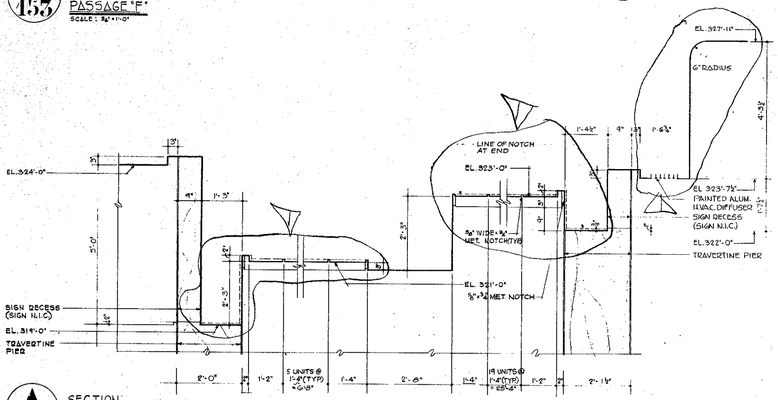


L/153 SECTION, SOUTH END OF ELEVATOR LOBBY
SCALE ¾"=1'-0"

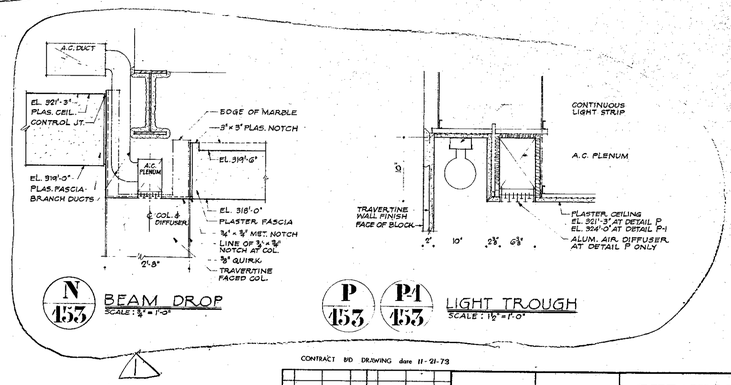
M/153 SECTION, WEST END OF AREA SOUTH OF ELEVATOR LOBBY.
SECTION AT EAST END OF AREA IS SIMILAR AS NOTED.
SCALE ¾"=1'-0"



B/153 REFLECTED CEILING PLAN
PASSAGE "E"
SCALE: ¾"=1'-0"



A/153 SECTION
PASSAGE "E"
SCALE: ¾"=1'-0"



N/153 BEAM DROP
SCALE: ¾"=1'-0"

P/153 P1/153 LIGHT TROUGH
SCALE: 1½"=1'-0"

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT B/D DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
1	10-13-15	P-15	J.K.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

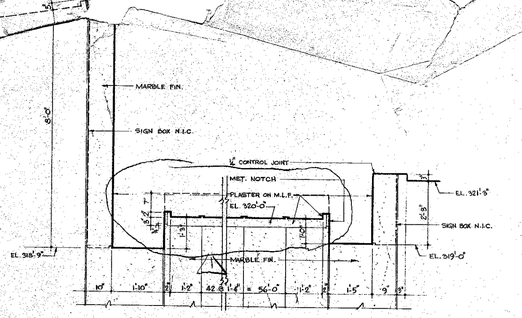
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

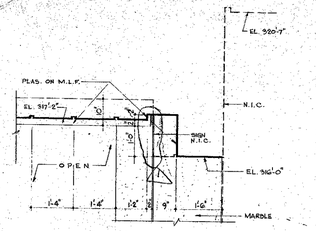
THE PORT AUTHORITY OF NEW Y., N.J. AND NEW JERSEY
MECH., ELEC., CIVIL, STRUCTURAL
PAVING, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
PASSAGE CEILING DETAILS

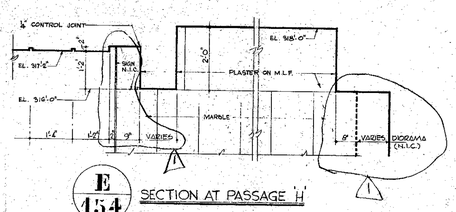
DRAWN	D.B.S.	CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER			A-P-453



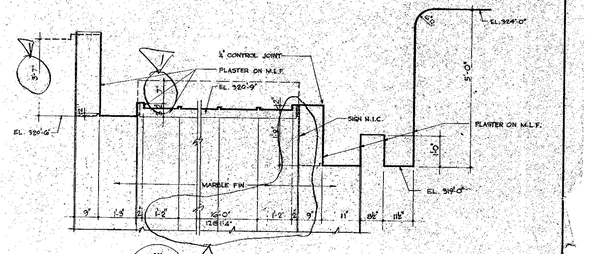
A 154 SECTION AT PASSAGE 'G'



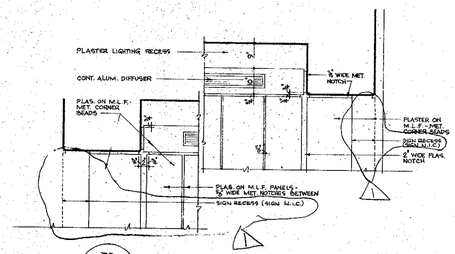
C 154 SECTION AT PASSAGE 'H'



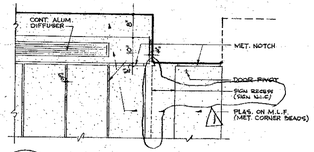
E 154 SECTION AT PASSAGE 'H'



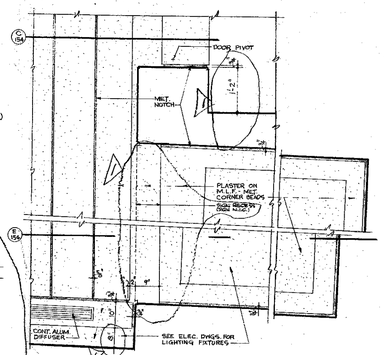
G 154 SECTION AT PASSAGE 'J'



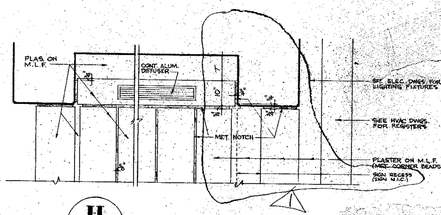
B 154 PART PLAN AT PASSAGE 'G'



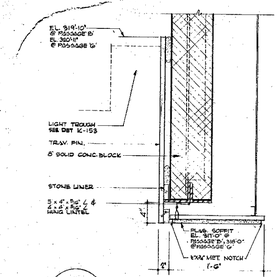
D 154 PART PLAN AT PASSAGE 'H'



F 154 PART PLAN AT PASSAGE 'H'

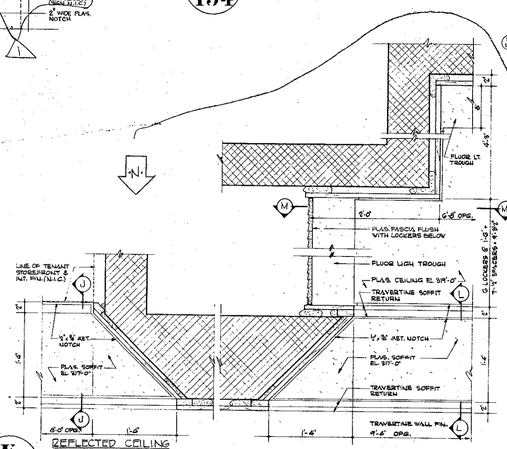


H 154 PART PLAN AT PASSAGE 'J'



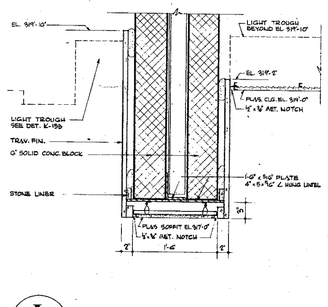
J 154 SECTION AT TENANT ENTRANCE PASSAGES 'B' & 'G'

SCALE: ½" = 1'-0"



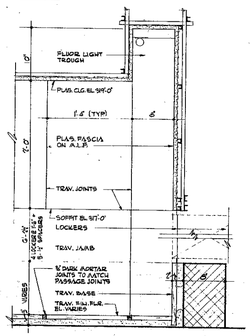
K 154 REFLECTED CEILING PLAN AT LOCKER AREA ENTRANCE PASSAGE 'B'

SCALE: ½" = 1'-0"



L 154 SECTION AT LOCKER AREA ENTRANCE PASSAGE 'B'

SCALE: ½" = 1'-0"



M 154 SECTION AT LOCKERS PASSAGE 'B'

SCALE: ½" = 1'-0"

NOTE:
FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS SEE DWG. AF-1 TO AF-5.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY

NO.	DATE	REVISIONS	BY
1	10-17-75	F-15	J.K.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMA
MINORU YAM

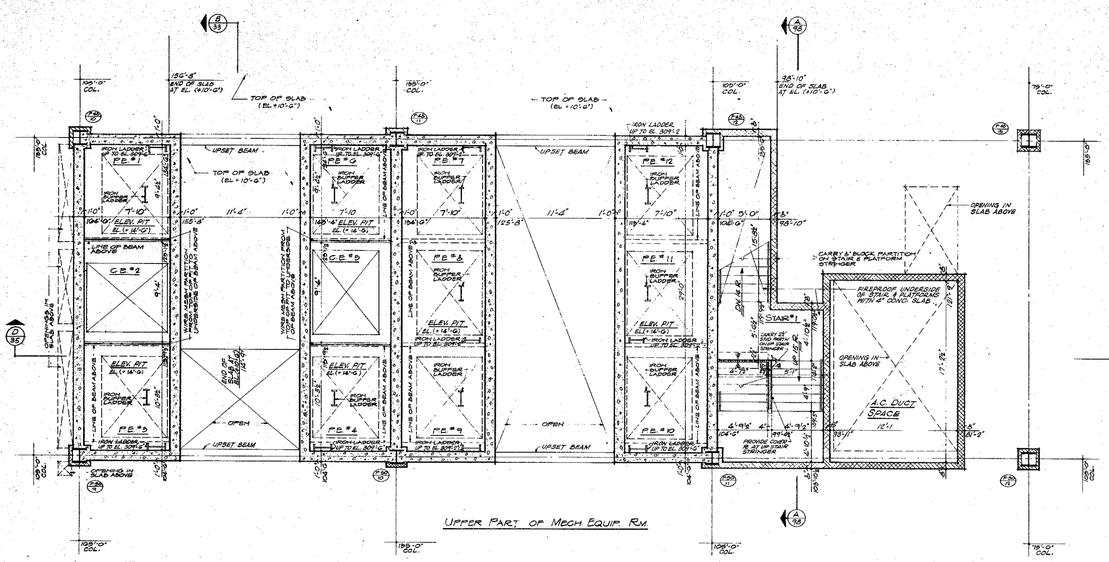
SKILLING, HELLE
STRUCTU

TITLE
SOUTHEAST PLAZA BUILDING
PASSAGE CEILING DETAILS

DRAWN	S.D.	CHECKED	
SCALE	¾"-1'-0" U.O.N.	DATE	11-NOV-75
		JOB/SHT.	OF

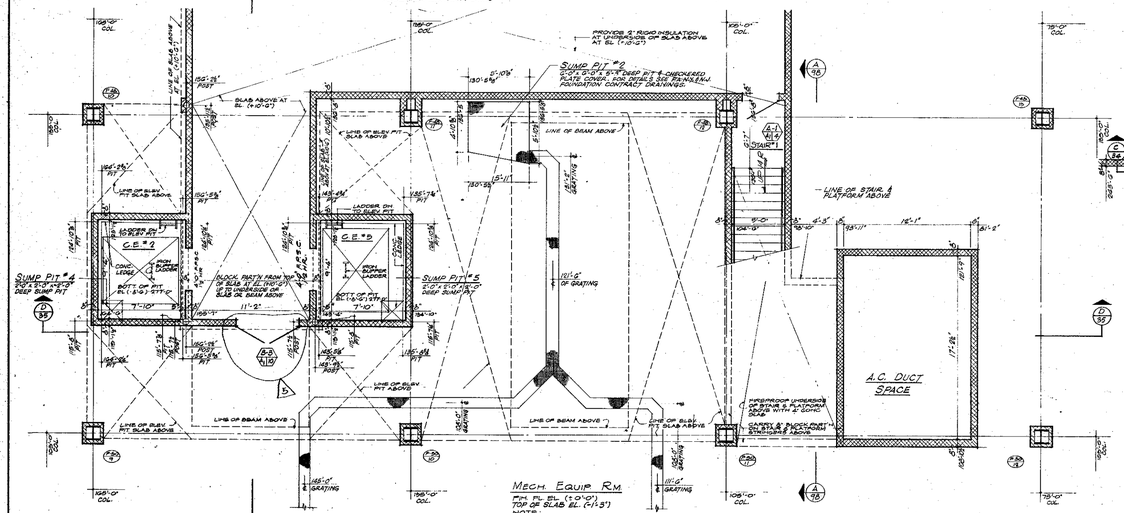
¾" = 1'-0" 0 6" 1' 2' 3' 4'

AF-154



UPPER PART OF MECH EQUIP RM

SOUTH CORE
AT ELEV (+15'-0") 301'-0"



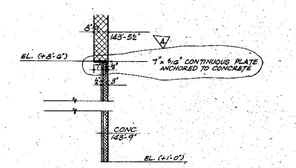
SOUTH CORE
AT ELEV. (+10'-0") 285'-0"

MECH. EQUIP. RM.
FIN FL EL (+2'-0")
TOP OF SLAB EL (+1'-5")

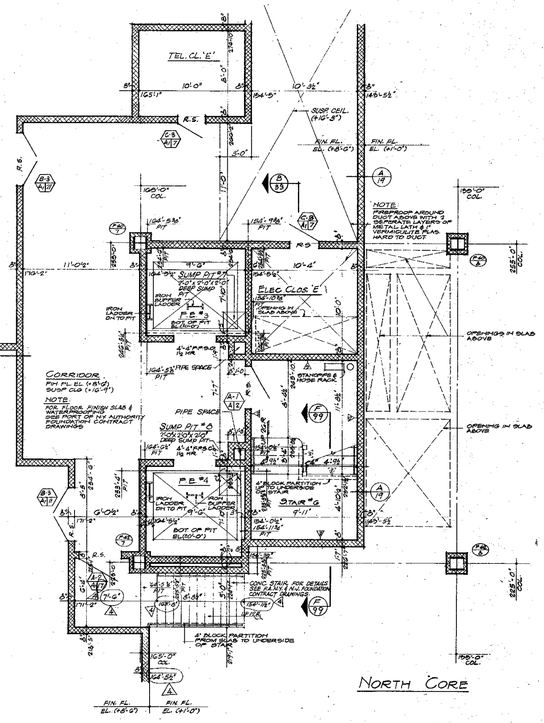
NOTE:
1. 20# FLOOR FINISH SLAB & WATERPROOFING SEE PORT OF NY AUTHORITY FOUNDATION CONTRACT DWGS.
2. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF SLAB ABOVE.
3. FOR CONC. PADS SEE H.V.A.C. AND PLUMBING & ENGINEERS APPROVED DWGS.
4. CONTINUOUS I BEAMS, TROLLEY BEAM, LIFTING DEVICES & OPENINGS IN FLOOR SLABS FOR MECHANICAL & ELECTRICAL EQUIPMENT SEE STRUCTURAL, MECHANICAL & ELECTRICAL CONTRACTORS APPROVED DRAWINGS FOR FINAL SIZE & LOCATION.
5. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL MASONRY OPENINGS IN MASONRY WALLS EXCEPT AS OTHERWISE SHOWN OR NOTED.

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, SYMBOLS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-1-F1 TO A-1-F5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLANS SEE DRAWINGS A.P.-1/8 TO A.P.-1B.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR WHICH IS 285'-0"
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS A.P.-9B, A.P.-9C & A.P.-10
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE FIGURED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS ON DRAWING A-1-F1-12A.
8. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT UNLESS OTHERWISE NOTED. ALL REMAINING WALLS AND PARTITIONS SHALL BE BUILT BY OTHERS. CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR COORDINATION ONLY.
9. PATH AREA INDICATED ON THESE DRAWINGS IS FOR GENERAL INFORMATION ONLY FOR CONTRACTOR'S DRAWINGS SHOWING FACTS, DETAILS AND DIMENSIONS. SEE PATH DRAWINGS AND PORT AUTHORITY OF NY & NJ FOUNDATION CONTRACT DRAWINGS.
10. FOR CAISSON EXCAVATION ELEVATIONS SEE THE PORT AUTHORITY OF NY & NJ FOUNDATION CONTRACT DRAWINGS.
11. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL OPENINGS IN MASONRY WALLS UNLESS OTHERWISE SHOWN OR NOTED.

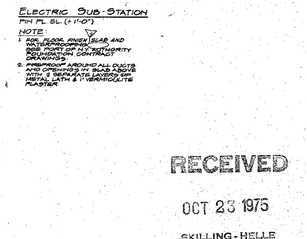
NORTH



A/19
SCALE: 1/8"=1'-0"



NORTH CORE



NOTE:
1. FOR FLOOR FINISH SLAB AND WATERPROOFING SEE PORT OF NY AUTHORITY FOUNDATION CONTRACT DRAWINGS.
2. FIREPROOF AROUND ALL DUCTS AND OPENINGS IN SLAB ABOVE WITH 2" SONIC SLAB & STYLE LATHING AND 3/4" VERMICULITE PLASTER.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	BUL. NO.	BY

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATION, FINISH SCHEDULE & SCHEDULE OF DRAWINGS SEE DWG. FA.P-1 TO A.P-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DWG. FA.P-57.
3. ALL ELEVATIONS GIVEN THIS (100'-0") ARE TAKEN IN RELATION TO FINISH FLOOR WHICH IS ELEVATION 310'-0".
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. FA.P-100.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. GRATES ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75" FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG. A-P-132.
8. EXITS AND SUB DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS' DRAWINGS.
9. PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES. SEE SPRINKLER DRAWINGS FOR VALVE LOCATIONS.
10. FOR VISE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS EXCEPT AS OTHERWISE SHOWN OR NOTED SEE MECHANICAL DRAWINGS FOR LOCATIONS.
11. FIRE WALL LINES BETWEEN TENANCIES WITH 2-SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER. MAKE TO FACTS - FOR EXTENT OF FIREPROOFING SEE MECHANICAL DRAWINGS.

CONTRACT NO. DRAWING date 11-21-78

NO.	DATE	SUB. NO.	BY
		F-35	L.J.
		F-31	L.J.
	10-17-79	F-10	L.J.
	11-19-79	ADD #1	GL

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

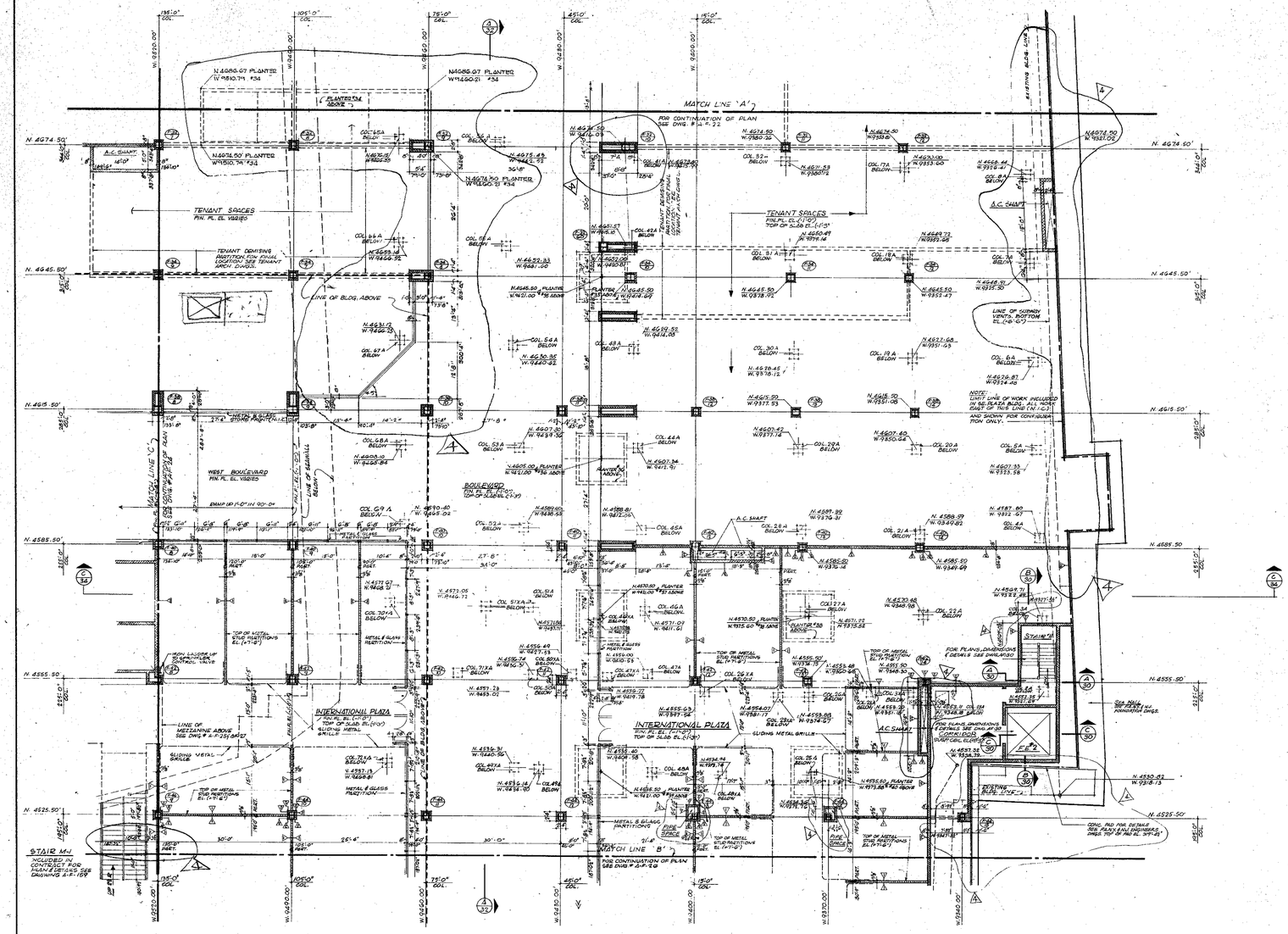
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PRIVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
1ST FLOOR 310'-0" LEVEL
NORTH SECTION

DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 11-1-78
PROJECT TITLE | SHEET OF
DRAWING NO. A-P-88

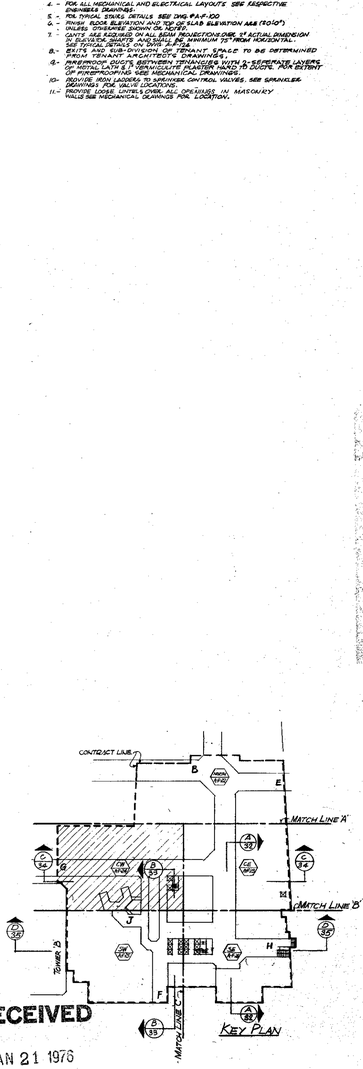
RECEIVED
JAN 21 1980
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
230 PARK AVE. N.Y.C.


MATCH LINE 'A'
MATCH LINE 'B'
MATCH LINE 'C'
TENANT SPACES
FIN. FL. EL. VARIES
TENANT SPACES
FIN. FL. EL. (-1'-0")
TOP OF SLAB EL. (-1'-0")
INTERNATIONAL PLAZA
FIN. FL. EL. (-1'-0")
TOP OF SLAB EL. (-1'-0")
WEST BOULEVARD
FIN. FL. EL. VARIES
BOULEVARD
FIN. FL. EL. (-1'-0")
TOP OF SLAB EL. (-1'-9")
A.C. SHAFT
LINE OF CANOPY VENTS, BOTTOM EL. (+8'-0")
EXISTING BLDG. 4 WTC
STAIR M-1
INCLUDED IN CONTRACT 7.08 PLANT SHAFTS SEE DRAWING A-P-109
TENANT DEMISING PARTITION FOR FINAL LOCATION SEE TENANT AREA DWGS.
LINE OF MEZZANINE ABOVE SEE DWG # A-P-23
LINE OF BLDG. ABOVE
FOR CONTINUATION OF PLAN SEE DWG # A-P-22
FOR CONTINUATION OF PLAN SEE DWG # A-P-24
NOTE: LIMIT LINE OF WORK INCLUDED IN 90 PLAZA BLDG. ALL WORK EAST OF THIS LINE (+/-) AND SHOWN FOR CONFIGURATION ONLY.
N.4605.00 PLANTER
N.4600.07 PLANTER
N.4574.50 PLANTER
N.4645.50 PLANTER
N.4585.50 PLANTER
N.4555.50 PLANTER
N.4525.50 PLANTER
CONC. PAD FOR DETAILS SEE PLAN & PILE ENGINEER'S DWGS. OF PKG. 3
SEE NOTE ON DWG. FOR FOUNDATION DWGS.
FOR PLANS, DIMENSIONS & DETAILS SEE DWG. # A-P-30
FOR PLANS, DIMENSIONS & DETAILS SEE DWG. # A-P-30
STAIR M-2
STAIR M-3
STAIR M-4
ELEVATOR
ELEVATOR MACHINE ROOM
ELEVATOR PIT
PIPE SPACE
METAL & GLASS PARTITIONS
GLIDING METAL GRILLE
TOP OF METAL STUD PARTITIONS EL. (+7'-0")
TOP OF METAL STUD PARTITIONS EL. (+11'-0")
TOP OF METAL STUD PARTITIONS EL. (+17'-0")
TOP OF METAL STUD PARTITIONS EL. (+21'-0")
CONC. FILLED STEEL PIPE COLUMN
CONC. FILLED STEEL PIPE COLUMN SEE DWG. # A-P-30
EMMP UP 1'-0" IN 90'-0"
N. 4674.50
N. 4645.50
N. 4585.50
N. 4525.50
W. 9350.00
W. 9400.00
W. 9450.00
W. 9500.00
W. 9550.00
W. 9600.00
W. 9650.00
W. 9700.00
W. 9750.00
W. 9800.00
W. 9850.00
W. 9900.00
W. 9950.00
W. 10000.00
W. 10050.00
W. 10100.00
W. 10150.00
W. 10200.00
W. 10250.00
W. 10300.00
W.

NORTH

NOTES

1. - FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DWGS. A-P-1 TO A-P-5.
2. - FOR COMPLETE 40' SCALE CORE PLAN SEE DWG. A-P-27
3. - ALL ELEVATIONS WHEN THUS (10'0") ARE TAKEN IN RELATION TO FINISH FLOOR ELEVATION 100'0" UNLESS NOTED.
4. - FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
5. - FOR TYPICAL STAIRS DETAILS SEE DWG P-A-P-100
6. - FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'0") UNLESS OTHERWISE SHOWN OR NOTED.
7. - CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 4" ACTUAL DIMENSION AT 45° FROM HORIZONTAL - MINIMUM 2" FROM HORIZONTAL - SEE TYPICAL DETAILS ON DWG. P-A-P-100
8. - EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
9. - FIREPROOF DUCTS BETWEEN TENANCIES WITH 2 SEPERATE LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF DUCTS. FOR EXTENT OF FIREPROOFING SEE MECHANICAL DRAWINGS.
10. - PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES. SEE SPRINKLER DRAWINGS FOR VALVE LOCATIONS.
11. - PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS SEE MECHANICAL DRAWINGS FOR LOCATION.



RECEIVED
JAN 21 1976

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

1/8"=1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
		F-3G	L.J.
			L.J.
		F-2B	L.J.
5	11-12-75	F-2C	L.J.
4	10-17-75	F-1B	L.J.
3	12-18-74	REV #2	C.G.
2	7-17-74	REV #1	L.J.
1	4-19-74	ADD'L	G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
1ST. FLOOR 310'0" LEVEL
CENTER WEST

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-25-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-26		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWINGS A.P.-1 TO A.P.-5
2. FOR COMPLETE 2 SCALE CORE PLAN SEE DRAWING A.P.-2F
3. ALL ELEVATIONS GIVEN THUS (+21.0') ARE TAKEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 310'-0"
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A.P.-10D
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND WALLS, BE MINIMUM "S" FROM HORIZONTAL SEE TYPICAL DETAILS ON DWG A.P.-12A
8. EXITS AND SUBDIVISION OF TENANT SPACE, TO BE DETERMINED FROM TENANT ARCHITECTS DWGS.
9. PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES SEE SPRINKLER DRAWINGS FOR VALVES LOCATIONS.
10. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS EXCEPT AS OTHERWISE SHOWN OR NOTED SEE MECHANICAL DRAWINGS.
11. FIREPROOF DUCTS BETWEEN TENANCIES WITH 2 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER, HARD TO DUCTS, FOR EXTENT OF FIREPROOFING, SEE MECHANICAL DRAWINGS.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DAT	REVISIONS	BUL. NO.	BY
3	9-15-75	F-22		LK
4	10-17-75	F-13		LK
5	11-15-75	REV #2		C.G.
6	7-17-74	REV #1		L.H.
7	11-19-73	ADD #1		GD.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PIPING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING 1ST FLOOR - 30'-0" LEVEL SOUTHWEST

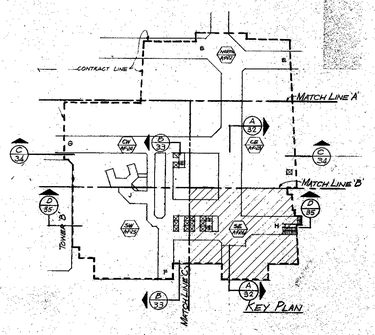
DRAWN	CHECKED
SCALE 1/8" = 1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET - OF
DRAWING NUMBER	A.P.-9S

NORTH

NOTES:

1. FOR ARCHITECTURAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, SYMBOLS, DOOR SCHEDULE & LEGEND OF DRAWINGS, SEE DWG. # A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DWG. # A-F-27.
3. ALL ELEVATIONS, SHOWN THUS (7.00'), ARE TAKEN IN RELATION TO FINISH FLOOR ELEVATION OF LOBBY AT 7.00'.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEER DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTION SEE DWG. # S-F-100.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. GRATES ARE BASED ON ALL AREAS PROJECTIONS OVER 2'-0" ACTUAL DIMENSION IN ELEVATOR SHAFT AND SHALL BE MINIMUM 75% FREE AREA. SEE TYPICAL DETAILS ON DWG. # S-F-104.
8. 5 1/2" SLAB DIVISION OF VAULT SPACE TO BE DETERMINED BY CONSTRUCTION SEQUENCE.
9. PROVIDE DOOR CLOSERS TO OPERATORS CONTROL VALVES IN MECHANICAL ROOMS. SEE MECHANICAL DWGS. FOR LOCATIONS.
10. ROOF OF LOBBY WALLS WERE ALL CEILINGS IN MASONRY WALL.
11. 2 SKYLIGHT DUCTS BETWEEN SKYLIGHTS WITH 2 GENERAL LAYERS OF METAL LATH, 1" VERMICULITE PLASTER HARD TO DECK, PAN FILLED OF NEOPRENE SEE MECHANICAL DWGS.

N. 4638.78 W. 9236.90



CONTRACT MD DRAWING date 11-21-78

NO.	DATE	SUB. NO.	BY
20	9-19-75	F-22	J.K.
21	10-17-75	F-13	L.U.
22	10-29-76	ADD.F-13	L.U.
23	1-19-76	ADD.F	L.U.
24	11-17-78	ADD.F	J.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8"-1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY, ROTH & SONS
RICHARD ROTH, ARCHITECT

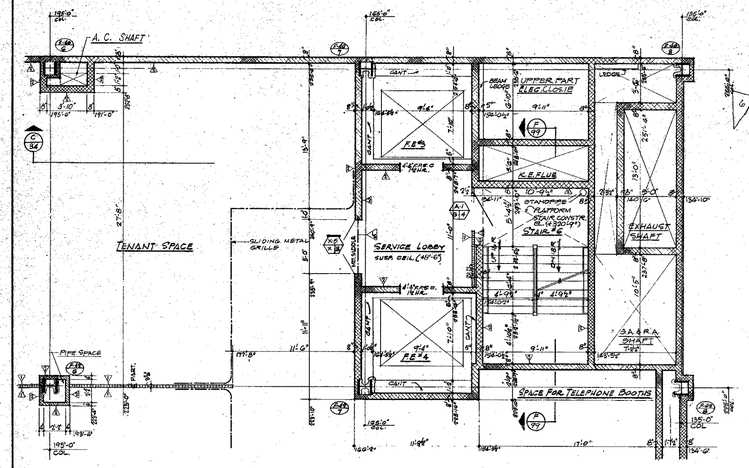
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

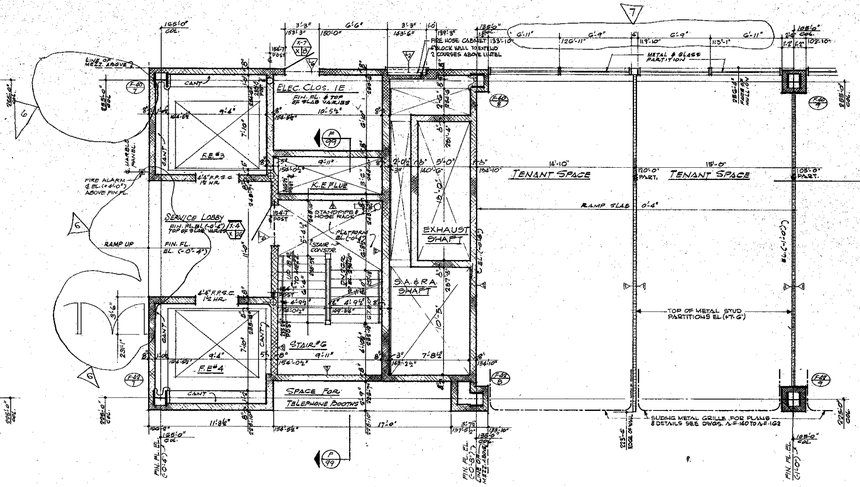
TITLE: SOUTHEAST PLAZA BUILDING
1ST FLOOR - 30'-0" LEVEL
SOUTHEAST

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-78
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-26		

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-P1 THRU P5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLANS SEE DRAWINGS A-P-1270 TO A-P-1276.
3. ALL ELEVATIONS GIVEN THUS (20'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 100'-0".
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE ELECTRICAL & MECHANICAL ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWGS. A-P-1278 TO A-P-1280.
6. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (SHOWN) UNLESS OTHERWISE NOTED OR NOTED.
7. CEILING ARE REQUIRED ON ALL RAMP ENCLOSURE OVER 5" ABOVE DIMENSIONS IN ELEVATOR, SHAFTS AND SHALL BE MINIMUM 1ST RATED HORIZONTAL WEB TYPICAL DETAILS ON DWGS A-P-1284.
8. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
9. FOR PARTITION, BRACING & CEILING FIRESTOPPING CONSTRUCTION DETAILS SEE DRAWING A-P-1284.
10. PROVIDE LINTEL LINTELS OVER ALL OPENING IN MASONRY WALLS UNLESS OTHERWISE SHOWN OR NOTED (SEE MECH. DWGS.)
11. FIRESTOPPING SHOWN BETWEEN TENANCIES, WITH 2 SEPARATE LAYERS OF GYPSUM BOARD, EXTENDING FROM FLOOR TO DECK. FOR EXTENT OF FIRESTOPPING, SEE MECHANICAL DWGS.





MEZZANINE CORE PLAN

FIN. FL. EL. - (320'-9") (+10'-9")
TOP OF SLAB EL. (320'-9")

1ST FLOOR NORTH CORE

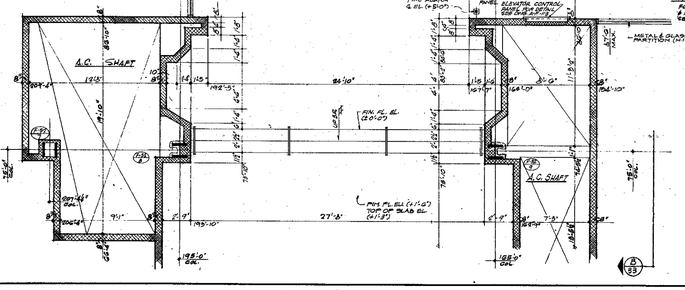
ELEV. (309'-8") (-0'-4")
FIN. FL. EL. VARIES

LOBBY

FIN. FL. EL. VARIES
TOP OF SLAB EL. VARIES

NOTE
FOR ELEVATIONS, DETAILS & FURNITURE IN THIS AREA SEE DRAWINGS A-P-141

SOUTH CORE



RECEIVED
NOV 6 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING: date 11-21-73

NO.	DATE	REVISIONS	BY
		F	L.J.
		F-115	L.J.
1	9-12-75	F-22	J.K.
2	10-17-75	F-13	J.K.
3	12-16-74	#2&1/F2	C.G.
4	7-17-74	ADD'N 1	L.H.
5	12-19-73	ADD'N 1	L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

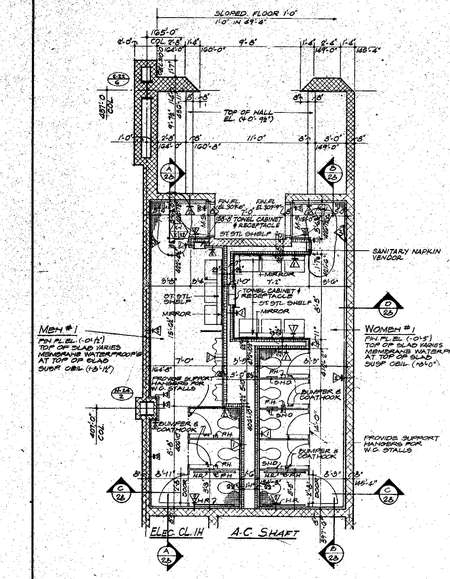
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

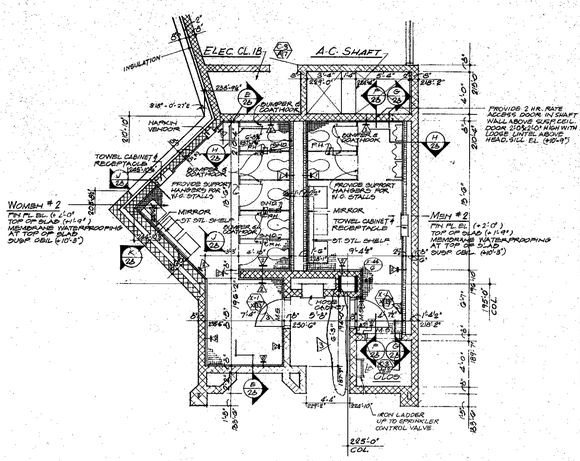
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
1ST FLOOR & MEZZ. CORES
CONCOURSE LEVEL - 8'0" ELEV.

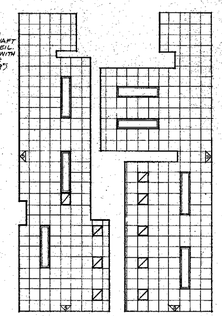
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-27		



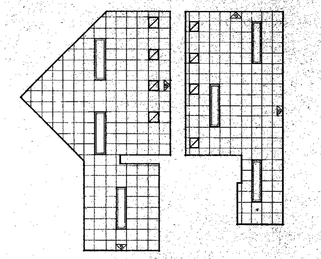
PLAN OF MEN & WOMENS TOILET #1
SCALE: 1/4"=1'-0"



PLAN OF MEN & WOMENS TOILET #2
SCALE: 1/4"=1'-0"



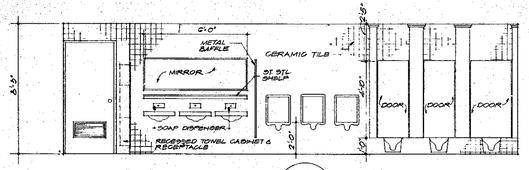
REFLECTED CEILING PLAN OF MEN & WOMENS TOILET #1
SCALE: 1/4"=1'-0"



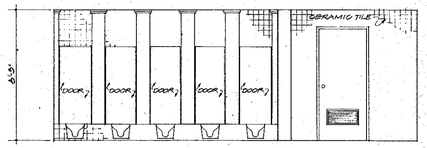
REFLECTED CEILING PLAN OF MEN & WOMENS TOILET #2
SCALE: 1/4"=1'-0"

NOTES

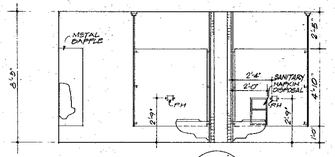
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, DOOR SCHEDULE, FINISH SCHEDULE SEE A-F-1 SCHEDULES OF DRAWINGS, SEE DRAWINGS A-F-1 TO A-F-3
2. FOR TYPICAL TOILET DETAILS SEE DRAWING A-F-101
3. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (3.0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
4. ALL ELEVATIONS GIVEN THUS (3.0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 310'-0".
5. FOR COMPLETE ¼" SCALE FLOOR PLANS SEE DRAWINGS #A-F-22 TO A-F-27.
6. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
7. PROVIDE IRON LADDERS TO SPRINKLER CONTROL VALVES SEE SPRINKLER DRAWINGS FOR VALVE LOCATIONS.
8. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. SEE MECHANICAL DRAWINGS FOR LOCATIONS.



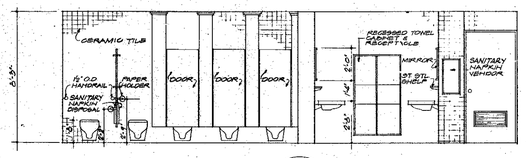
ELEVATION A 2B



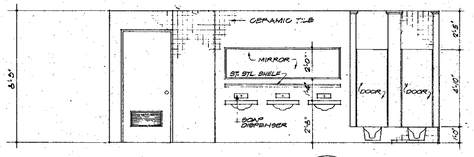
ELEVATION E 2B



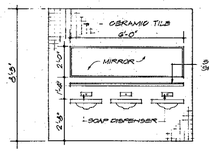
ELEVATION H 2B



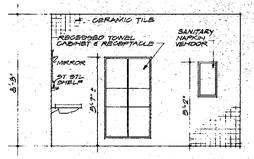
ELEVATION B 2B



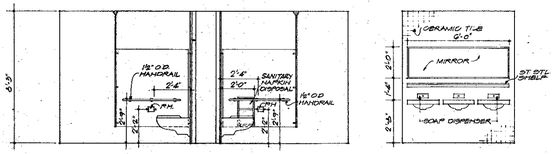
ELEVATION F 2B



ELEVATION J 2B

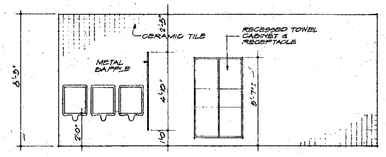


ELEVATION K 2B



ELEVATION C 2B

ELEVATION D 2B



ELEVATION G 2B

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE, N.Y.C.

3/8"=1'-0" 0 6" 1' 2' 3' 4' 5' 6' 7' 8'
1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
3	10-17-75	F-18	J.K.
2	6-27-75	F-1	L.J.
1	11-19-73	ADD'T	GB

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

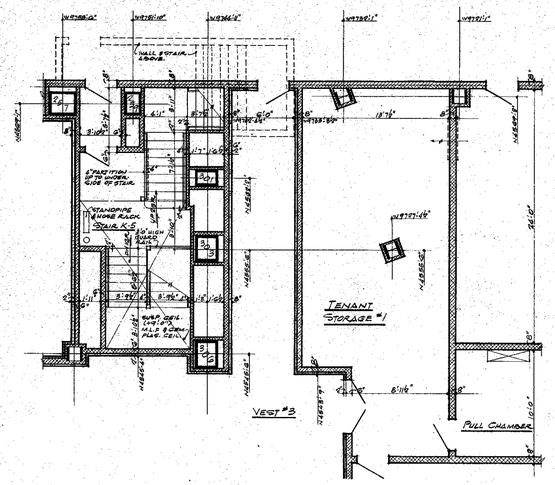
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

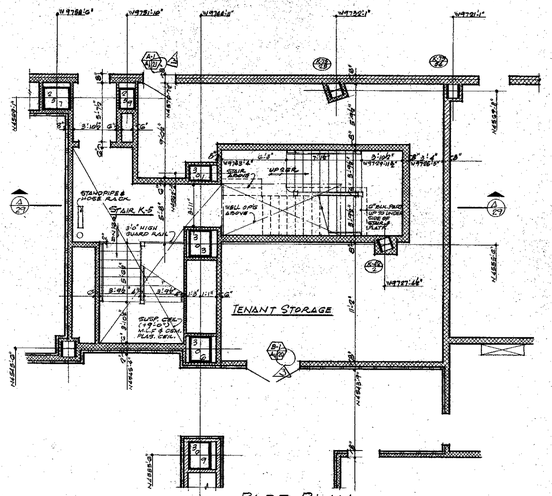
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
1ST FLOOR - 310'-0" LEVEL
MEN & WOMEN TOILET #'S 1 & 2
PLANS & ELEVATIONS

DRAWN		CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-28		



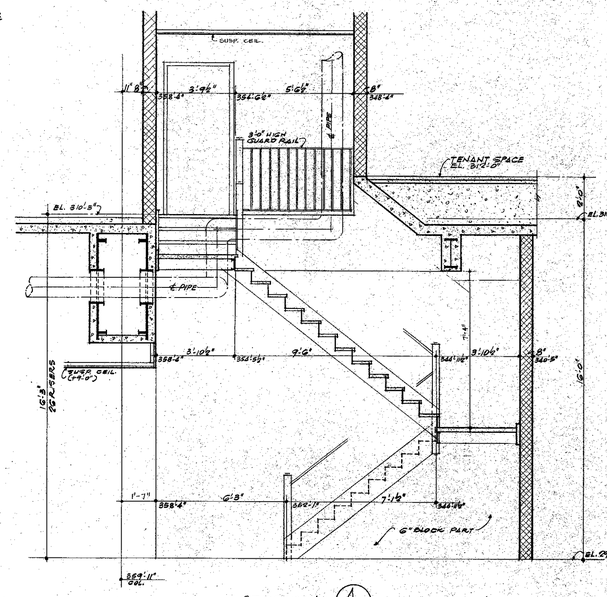
PART PLAN OF EXISTING CONDITION AT EL 294'-0"



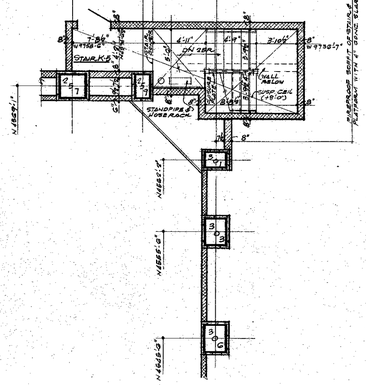
PART PLAN AT EL 294'-0"

NORTH

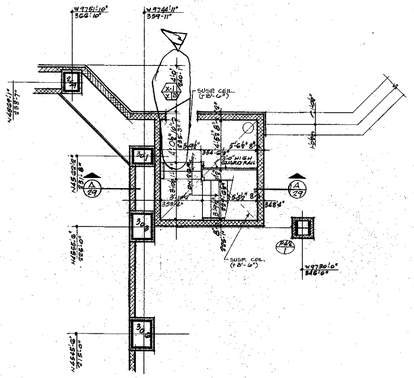
NOTES:
1- FOR GENERAL NOTES, KEY TO MATERIALS, RISER SCHEDULE & FOLDOUT OF DRAWINGS SEE DRAWINGS A-P-1 TO A-P-5
2- FOR COMPLETE 8" WALLS PLANS, PLAN SEE DWG A-P-02.
3- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
4- FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATION ARE (-3"-0") UNLESS OTHERWISE SHOWN OR NOTED
5- PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS UNLESS OTHERWISE SHOWN OR NOTED. SEE MECH. DWGS.
6- ALL ELEVATIONS GIVEN THUS(+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR WHICH IS EL(310'-0")
7- FOR PARTITIONS, BEAMS & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING A-P-02



SECTION (A/29)
SCALE 1/4"=1'-0"



PART PLAN OF EXISTING CONDITION AT EL 310'-0"



PART PLAN AT EL. 310'-0"

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

NO.	DATE	SUB. NO.	BY
REVISIONS			
A	10-17-75	17-15	J.K.
B	7-19-76	400"1	H.K.
C	12-19-78	400"1	J.W.L.
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING HELLE CHRISTIANSEN ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BLDG. PLANS & DETAILS OF STAIR K-5

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	11-15-78
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-29		

FINISH SCHEDULE

FLOOR	LOCATION — SPACE	FLOOR — FINISH	BASE — FINISH	WALLS — MATERIAL	WALLS — FINISH	CEILING — MATERIAL	CEILING — FINISH	REMARKS
EL. 266'-6"	STAIRS #10 & 11 ELEVATOR MACHINE ROOMS #1 & 2							1. SEE PORT OF N.Y. AUTHORITY FOUNDATION DWGS.
EL. 235'-6"	LINK 'E' SERVICE CORRIDOR STAIRS #1, 6, 10 & 11 TELEPHONE CLOSETS 'E', F', H' & I' ELECTRIC CLOSETS B, N & V ELECTRIC SUB STATION CORRIDOR TENANT SPACE MECHANICAL EQUIPMENT RMS. #1 & 2 ELEVATOR MACHINE ROOM) PUMP ROOM A.C. SUPPLY PLENUM A.C. EXHAUST PLENUM #1 & 2 ELEV. PIT ELEV. C.E. #2 & 5 - K.E. #1 & 2	SEMI-QUARRY TILE CERAMIC TILE MARBLE TERRAZZO QUARRY TILE CONCRETE EXP. FOUNDATION	CEMENT RESILIENT CERAMIC TILE MARBLE TERRAZZO QUARRY TILE WOOD NONE	ABSORPTIVE PERF. METAL CERAMIC TILE CEM. PLASTER CEM. BOARD METAL PAN PLASTIC TILE BRICK MARBLE WOOD KNEE CEM. BOARD PLASTER	UNPAINTED PAINT COVERING CERAMIC TILE CEM. PLASTER PLASTIC TILE MICA BRICK STRAIT SEAM	METAL PAN ACOUSTIC TILE CONCRETE STEEL DECK MINERAL TILE CEM. PLASTER GYP. PLASTER GYPSUM WALLBOARD	PAINTED UNPAINTED	* SEE CONCOURSE LOBBY DETAILS FOR FINISHES.
EL. 210'-0"	CORRIDOR TENANT SPACES A.C. SUPPLY & EXHAUST PLENUMS SERVICE LOBBY MEN #1 & 2 WOMEN #1 & 2 SPACE FOR TELEPHONE BOOTHS STAIRS #1, 2, K-5, G & 11 JAN. CL. #1 ELEC. CLOS. 1B, 1C, D, F, G, 1E, & 1H PASSAGE B, E, F, G, N & V ELEV. LOBBY LIBERTY STREET LOBBY #1 CLOSET BOULEVARD / WEST BOULEVARD LIBERTY STREET LOBBY #2 INTERNATIONAL PLAZA ARENA THE CARAVAN I.R.T. STAIR (N.I.C)							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES. * NO FLOOR OR CEILING AT 201'-0" LEVEL * SEE CONCOURSE LOBBY DETAIL DRAWINGS FOR FINISHES * SEE CONCOURSE LOBBY DETAIL DRAWINGS FOR FINISHES * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS FOR FINISHES * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE PORT AUTHORITY FOUNDATION DRAWINGS & SUBWAY TRANSITION CONTRACTS
EL. 185'-0"	SPACE FOR TELEPHONE BOOTHS STAIR M-1 SERVICE LOBBY STAIR #2 MEZZANINE UPPER PART OF ELEC. CLOS. 1B LOBBY PLAZA LOBBY TENANT SPACE CORRIDOR ELEVATOR LOBBY TEL. CL. 'A', B, C, D, 'E' & 'F' ELEC. CL. 'A', B, C, D, E, F & 'G' CHURCH STREET LOBBY STAIRS #1, #2, #3, #4, #5 & #6 CLOSETS LIBERTY STREET LOBBY #2 MECH. EQUIP. RM. & TRANSFER SPACE JAN. CL. SHOW WINDOW PIPE SPACES VESTIBULE							* SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE CONCOURSE LOBBY DETAIL DWGS. FOR FINISHES. * SEE PLAZA LOBBY DETAIL DWGS FOR FINISHES. * SEE PLAZA LOBBY DETAIL DWG. FOR FINISHES. * SEE TENANT ARCHITECTS DWGS. FOR SUB-DIVISION OF SPACE AND FINISHES. * FOR EXTENT & DETAILS OF STORE FRONT SEE TENANT ARCHITECTS DWGS. * SEE ELEVATOR LOBBY DETAIL DWG. FOR FINISH. * SEE LOBBY DETAIL DRAWINGS FOR FINISHES. * SEE ARCHITECTURAL PLANS FOR EXTENT & TYPE OF SUSPENDED CEILING * SEE PLANS FOR EXTENT OF FIREPROOFING & SUSP. CEIL. * SEE LOBBY DETAIL DRAWINGS FOR WINDOWS.
5TH FLOOR	ELEVATOR LOBBY CORRIDOR CLOSET STAIRS #1, 2, 3, 4 & #5 POWDER ROOMS #1 & #2 VEST. #2 WOMEN #1, #2 MEN #1, #2 TENANT SPACE TELEPHONE CLOSETS A, B, C, D, E, F ELECTRIC CLOSETS A, B, C, D, E, F, G JANITOR'S CLOSET SERVICE LOBBY VEST #1 UPPER PART OF LOBBY							* SEE LOBBY DETAIL DRAWINGS FOR FINISHES. * FOR DETAILS OF LOBBY FINISHES SEE ARCHITECTURAL DETAIL DRAWINGS * FOR FINAL LOCATION & EXTENT OF CORRIDOR SEE N.Y. CITY BUILDING CODE * SEE ARCHITECTURAL PLANS FOR M.I.K. & VERMICULITE PLASTER. * SEE ARCHITECTURAL DETAIL DWGS. FOR EXTENT & TYPE OF SUSPENDED CEILING AND FIREPROOFING * SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING * SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING * SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE & FINISHES * SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING * SEE PLAZA LOBBY DETAIL DRAWINGS FOR FINISHES.

KEY TO MATERIALS

- MARBLE OR GRANITE
- CONCRETE
- DOUBLE BLOCK PARTN. WITH INSULATION, 4 BLOCK OUTER WALL WITH 2" INSULATION BETWEEN
- BRICK
- SOLID CINDER BLOCK
- BRICK & SOLID CINDER BLOCK
- TERRAZZO
- 2½" METAL STUD PART'N (SEE SYMBOLS)
- SPRAY-ON FIREPROOFING
- STEEL OR STAINLESS STEEL
- RIGID INSULATION
- BATT INSULATION
- FOR LARGE SCALE DETAILS ONLY
- ALUMINUM

SYMBOLS

- E-1 / 19 — COLUMN NUMBER.
- A-1 / B 1/2 — REINFORCED BUCK. SYMBOL DENOTES SPECIAL REINFORCING AT THE HEAD AND JAMB
- A-1 / B 1/2 — TOP LETTER DENOTES DOOR TYPE (SEE DOOR SCHEDULE) BOTTOM LAST LETTER DENOTES BUCK. TYPE (SEE BUCK. DETAILS) BOTTOM R.H.P.T. NUMBER DENOTES HARDWARE (SEE SPECS.) HINGE BOTTOM, LATCH & JAMB TOP DENOTES SPECIAL HARDWARE AND SPECIAL BUCK. SEE SPECS AND DETAILS
- A / 100 — SECTION CUT SYMBOL-TOP LETTER DENOTES DETAIL BOTTOM LETTER DENOTES NUMBER
- TYPE 2 — DENOTES ELEVATION TYPE OF BASE BASE
- A / 100 — DETAIL SYMBOL - TOP LETTER DENOTES DETAIL BOTTOM LETTER DENOTES NUMBER
- PARTITION SYMBOL-NUMBER IN TRIANGLE DENOTES LAYERS GYPSUM WALLBOARD
- PARTITION SYMBOL-DENOTES WATERPROOF GYPSUM WALLBOARD
- LOUDE LINTEL - DENOTES TYPE
- P1 — PLUMBING STACK
- L1 — LEADER
- DENOTES SPRINKLER HEAD. SEE SPRINKLER DWGS. FOR SPECS. FOR TYPE
- DENOTES RETURN AIR CEILING REGISTER. SEE H.V.A.C. DWGS. FOR TYPE & SIZE
- DENOTES WALL MOUNTED FIRE ALARM COMMUNICATIONS STATION

RECEIVED
FEB 28 1975

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
STRUCTURAL ENGINEERS
ONE PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-01-75

NO.	DATE	REVISIONS BUL. NO.	BY
1	9-18-74	ADD'L	WJ
2	12-19-75	ADD'L	WJ

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — MINORU YAMASAKI — NEW YORK

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

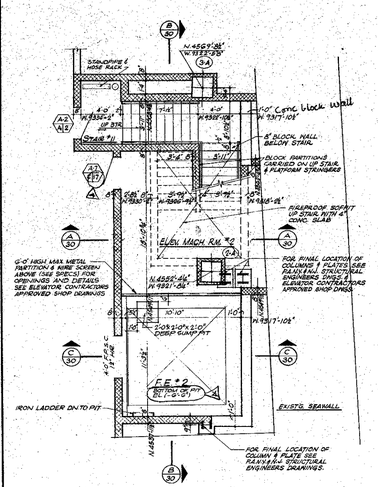
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

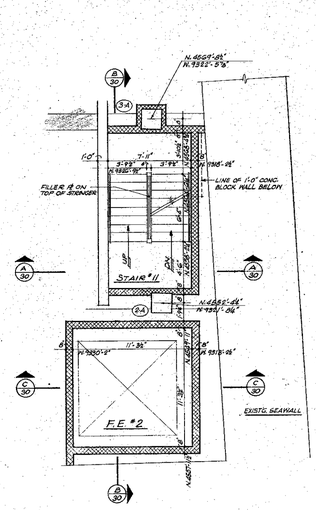
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
FINISH SCHEDULE

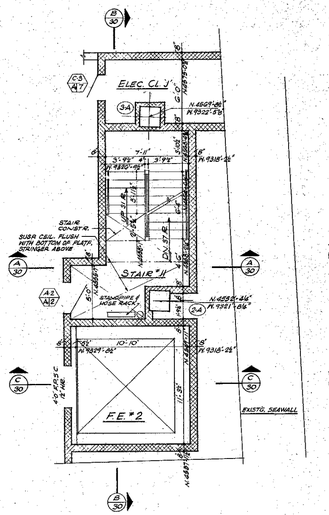
DRAWING		CHECKED	
SCALE		DATE	11-15-7
PROJECT NUMBER		SHEET	
DRAWING NUMBER			



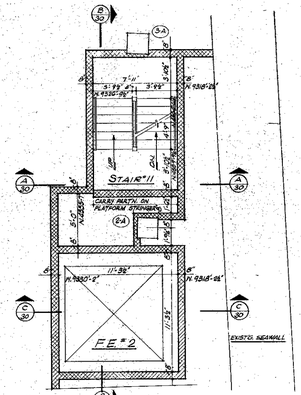
PLAN @ EL 266'-1¾"



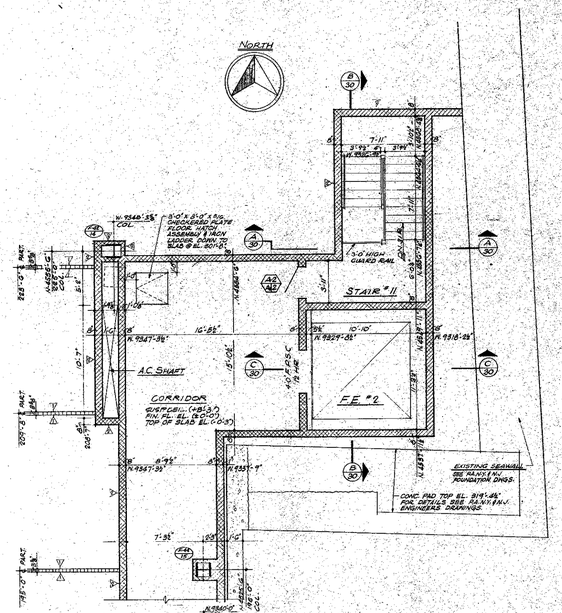
PLAN @ EL 283'-7½"



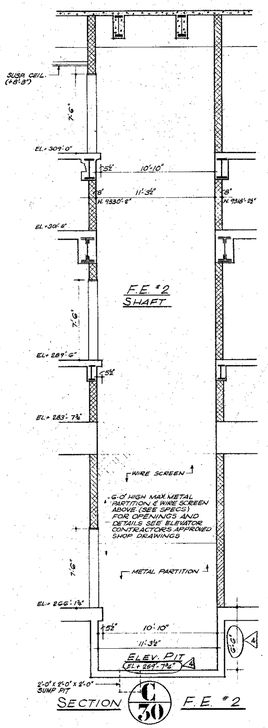
PLAN @ EL 289'-6"

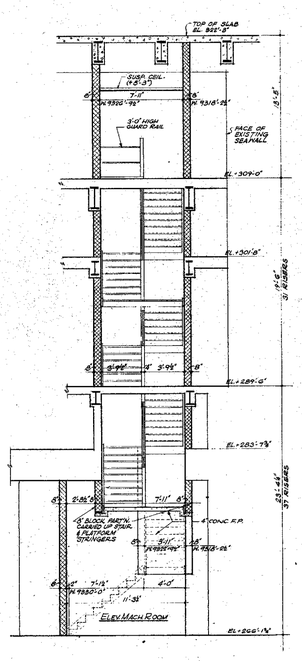


PLAN @ EL. 297'-8"

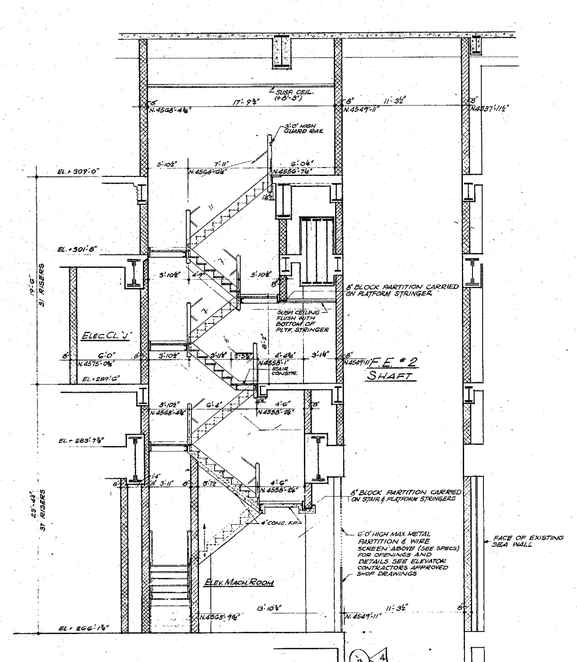


PLAN @ EL. 309'-0"





SECTION A/30 STAIR #11



SECTION B/30 STAIR #11 & F.E. #2

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING T.A.P.I. "T" & "A" SERIES.
2. ALL ELEVATIONS GIVEN FROM PLANS SHALL BE SHOWN ON "AS BUILT" TO FINISHED FLOOR ELEVATION UNLESS OTHERWISE NOTED. REFER TO CONSTRUCTION DRAWINGS FOR "AS BUILT" ELEVATIONS.
3. FOR ALL MECHANICAL AND ELECTRICAL SYMBOLS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. FOR TYPICAL STAIR DETAILS SEE DRAWING A-F-100.
5. GRATE AREA SHOWN ON ALL GRATE PROJECTIONS ARE "AS BUILT" ACTUAL DIMENSION IN ELEVATION SHEETS AND SHALL BE MINIMUM TEST REQUIREMENTS. SEE TYPICAL DETAILS DRAWING A-F-184.
6. FOR PARTITIONS, BEAMS & COLUMN FIRE PROOFING CONSTRUCTION DETAILS SEE DRAWING A-F-184.
7. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL OPENINGS IN MASONRY WALLS EXCEPT AS OTHERWISE SHOWN ON DRAWINGS. LINTELS SHALL BEAR MINIMUM 8" ON EACH END.
8. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL PARTITIONS SHOWN UNHATCHED ARE IN SEPARATE CONTRACTS. REFER TO SCHEDULE OF DRAWINGS FOR LIMITS OF WORK IN THIS CONTRACT. CONTRACTOR SHALL COORDINATE HIS WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR COORDINATION ONLY.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.

1/4"=1'-0" 0 1' 2' 3' 4' 8' 12'

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	BUL. NO.	BY
6	10-17-75	F-13	L.J.
5	9-29-75	F-1	L.J.
4	2-1-75	FEC #1	I.H.
3	11-19-74	ADD #1	
2			
1			

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

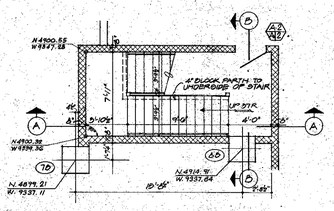
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

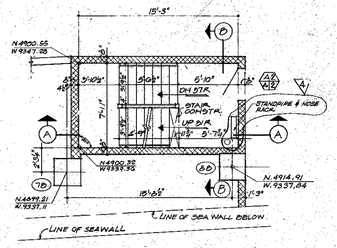
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
STAIR #11 & F.E. #2
PLANS & SECTIONS

DRAWN		CHECKED	
SCALE	1/4" = 1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-30		

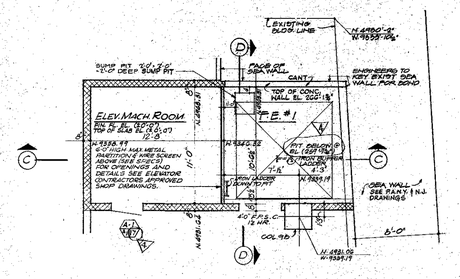


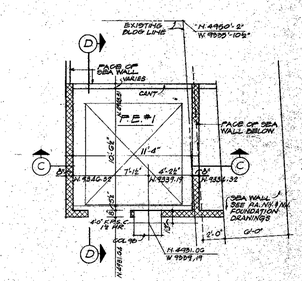


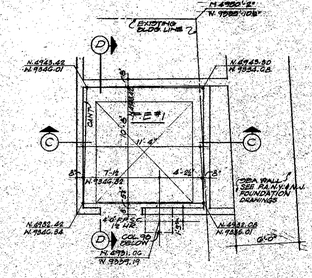


2GG'-1 3/4" LEVEL

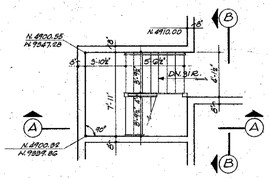
289'-6" LEVEL







289'-6" LEVEL

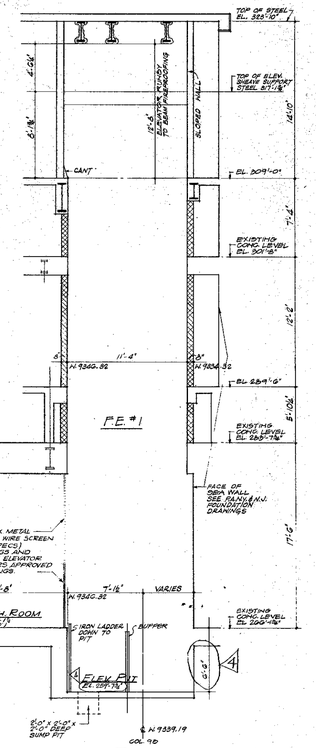


PART PLAN - 1ST FLOOR
309'-0" LEVEL

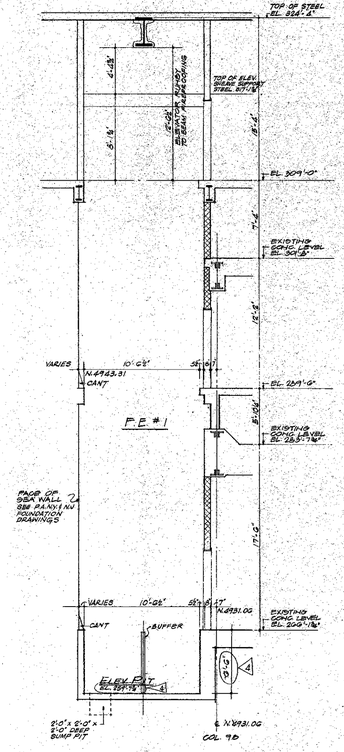
NOTE:
STAIR ONLY IS INCLUDED IN THIS CONTRACT. PARTITIONS SHOWN ARE FOR COMFIGURATION ONLY. FOR PARTITIONS DIMENSIONS & DETAILS, SEE 'D' BLOCK CONTRACT DRAWINGS

NOTES:

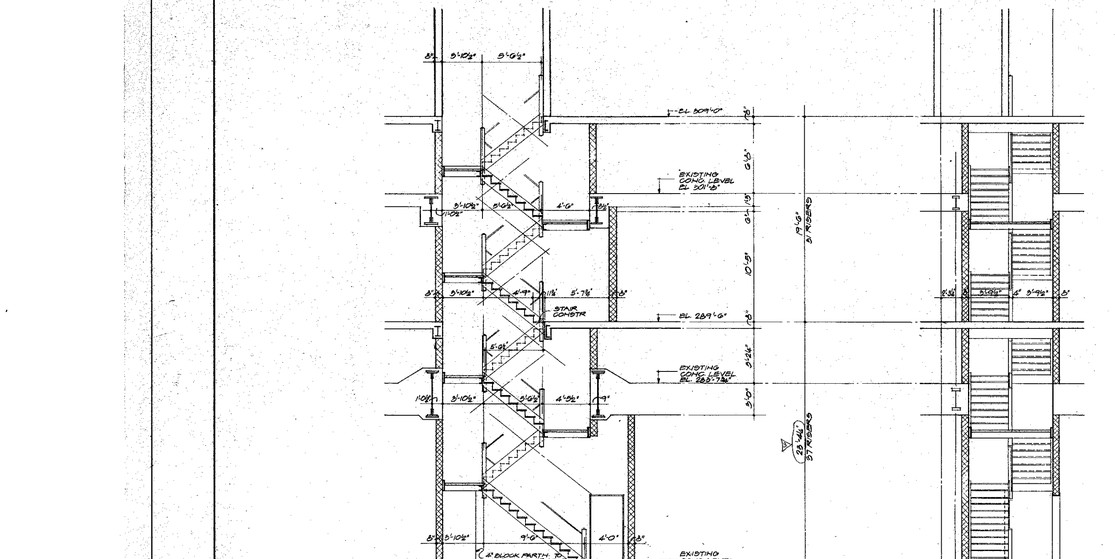
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-5
2. ALL DIMENSIONS ON ENLARGED FLOOR PLANS, SEE DRAWINGS A-F-5 TO A-F-10
3. ELEVATIONS GIVEN THUS (+0'-0") ARE TAKEN IN RESPECTIVE BLOCK ELEVATION.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE MECHANICAL DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A-F-1.03
6. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATION UNITS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAIL DRAWING A-F-1.03
7. FOR ELECTRICAL BASE AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWINGS A-F-1.04
8. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN MASONRY WALLS UNLESS OTHERWISE SHOWN OR NOTED. (SEE MECHANICAL DRAWINGS.) FIREPROOF DUCTS BETWEEN TENANCIES WITH 2 SEPARATE LAYERS OF METAL LATH & 1" VERMICULITE PLASTER. MED TO DUCTS. FOR EXTENT OF FIREPROOFING SEE MECHANICAL DRAWINGS.
9. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL PARTITIONS SHOWN WITHOUT HATCHING ARE IN SEPARATE CONTRACTS BY OTHERS. WHERE NOGG. BY OTHERS INTERSECTS AREA IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK, SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR COORDINATION ONLY.



SECTION C/31 THRU ELEV. P.E. #1



SECTION D/31 THRU ELEV. P.E. #1



SECTION A/31 THRU STAIR # 10

SECTION B/31 THRU STAIR # 10

RECEIVED
OCT 23 1975

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
A.	10-17-75	F-13	L.J.
B.	4-25-75	A-1	L.J.
C.	7-11-75	REV. #1	L.K.
D.	11-19-75	ADD. #1	LJS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 1' 2' 3' 4' 8' 32'

TITLE: SOUTHEAST PLAZA BLDG. STAIR #10 & F.E. #1 PLANS & SECTIONS

DRAWN		CHECKED	
SCALE	4"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-31		

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DRAWING NO. AF-1 TO AF-5
2. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
3. FOR GENERAL EXCAVATION ELEVATIONS SEE THE PORT AUTHORITY OF N.Y. & N.J. FOUNDATION CONTRACT DRAWINGS.

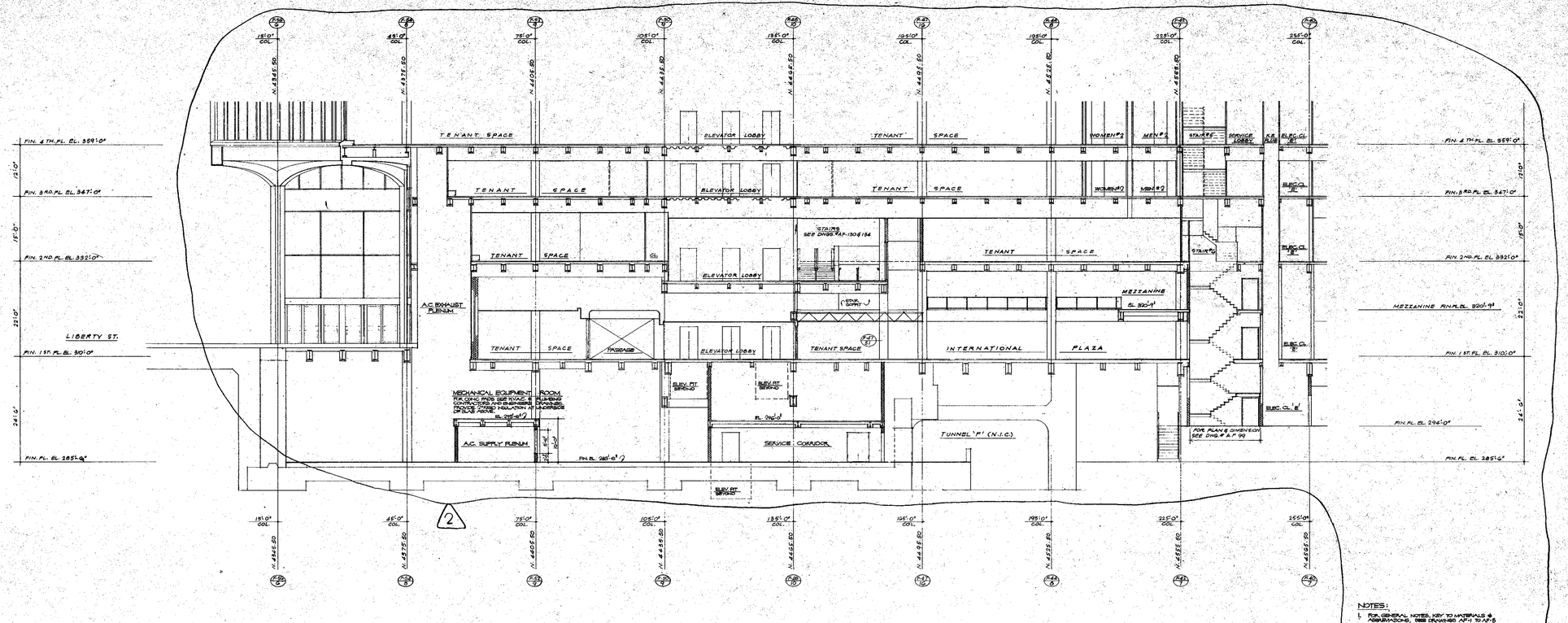
△ 2

NORTH

△ 32

KEY PLAN

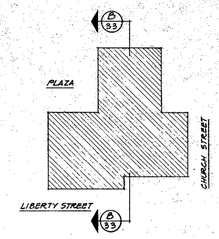
TENANT SPACE
TENANT SPACE
FIN. FL. EL. 347'-0"
TENANT SPACE
FIN. FL. EL. 337'-6"
ALUM. & GLASS WINDOW & MULLION
DIORAMA N.I.C.
LIBERTY STR. LOBBY #2
FIN. 4TH FL. EL. 359'-0"
FIN. 3RD FL. EL. 347'-0"
FIN. 2ND FL. EL. 332'-0"
FIN. 1ST FL. EL. 308'-0"
ELEVATION 286'-6"
CONC. SIDEWALK EL. 326'-0"
FOR CONFIGURATION OF ELEVATION OF 1 ST. FL. SEE DWG. # AF-150 (1)
FIN. 1ST FLOOR EL. 309'-0"
FIN. FL. EL. 289'-6"
FIN. FL. EL. 286'-6"
17'-0"
17'-6"
4'-0"
FIN. FL. EL. 326'-0"
PLANTER #57 BOTTOM EL. 319'-1"
PLANTER #57 BOTTOM EL. 319'-6"
EXPOSED AGGREGATE CONC. SIDEWALK
EXPANSION JOINT
STORE FRONT
INTERNATIONAL PLAZA STORE FRONT
STORE FRONT
BOULEVARD
FOR SLIDING GRILLE SEE DWG. # AF-109
STORE FRONT
PASSAGE H
STORE FRONT
STAIR # B-1
FIN. EL. 319'-6"
EXPOSED AGGREGATE CONC. SIDEWALK
LIBERTY STR.
TENANT SPACE
FIN. FL. EL. 309'-0"
8" RIGID INSULATION
FIN. FL. EL. 302'-0" TOP OF SLAB EL. 301'-8"
8" RIGID INSULATION
JANITORIAL SUPPORT
FIN. FL. EL. 289'-6"
TUNNEL 'K' (N.I.C.)
MECHANICAL EQUIPMENT RM.
PER CONC. PADS SEE M.E.P.C. & PLUMBING CONTRACTORS AND ENGINEER'S DRAWINGS
TRENCHES & GRATINGS FOR DETAILS SEE PORT AUTHORITY OF N.Y. & N.J. FOUNDATION CONTRACT DRAWINGS
FIN. FL. EL. 295'-6"
EL. 295'-0"
MECHANICAL EQUIPMENT RM.
CONC. WALL (N.I.C.)
A.C. SUPPLY PLENUM
10'-0"
9'-6"
17'-0"
8"
8"
N.+666.80
N.+666.80
N.+666.80



SECTION B/33

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DRAWING A.F.-1 TO A.F.-5
2. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERING DRAWINGS
3. FOR GENERAL EXCAVATION ELEVATIONS, SEE THE PORT AUTHORITY OF N.Y. & N.J. FOUNDATION CONTRACT DRAWINGS.



KEY PLAN

RECEIVED
MAY 9 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
		REVISIONS	
1	4-29-75	P-1	LK
2	7-17-74	REV 1	LH

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

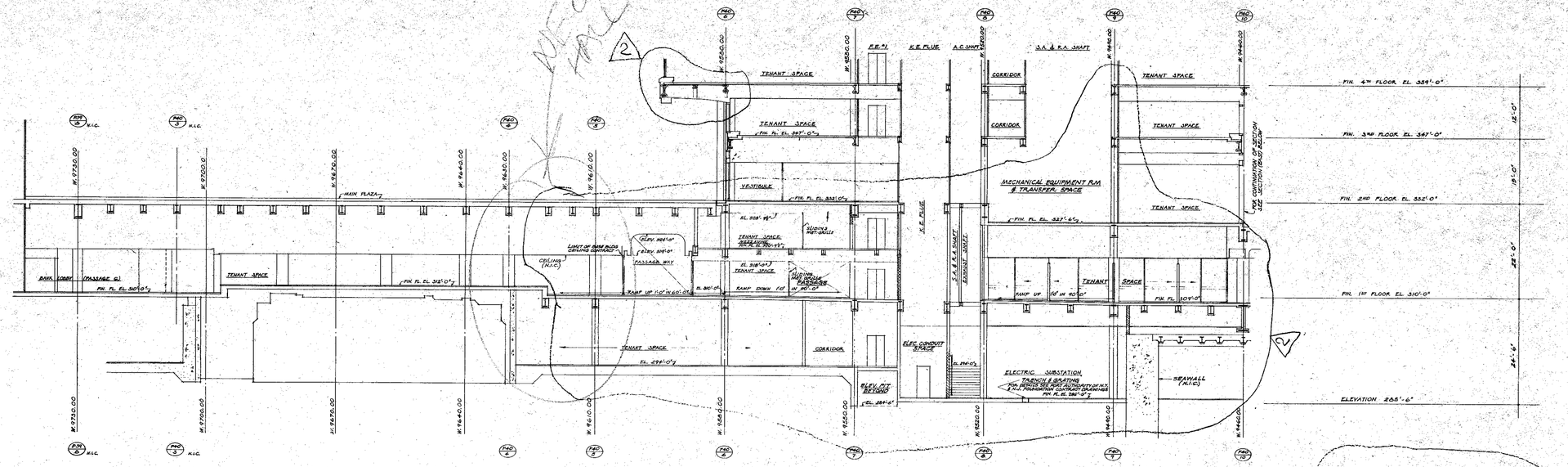
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

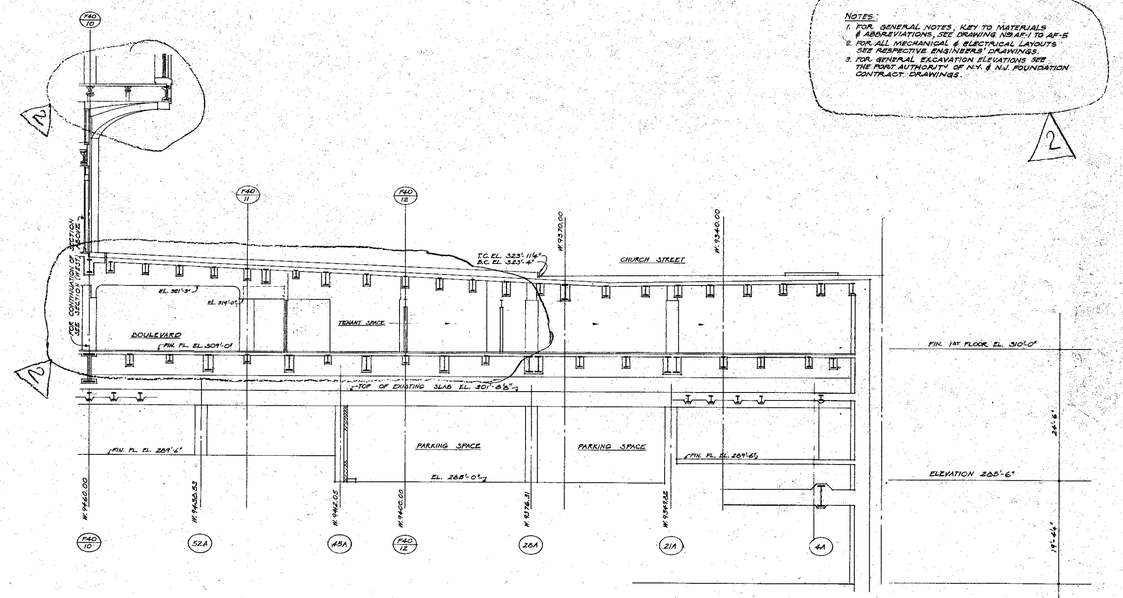
1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: SOUTHEAST PLAZA BLDG. SECTION B-B

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-33.		



SECTION C/34 WEST



SECTION C/34 EAST

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DRAWING NO. A-F-1 TO A-F-5
2. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
3. FOR GENERAL EXCAVATION ELEVATIONS SEE THE PORT AUTHORITY OF N.Y. & N.J. FOUNDATION CONTRACT DRAWINGS.

CONTRACT - BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
2	4-29-76	F-1	H.K.
1	7-19-76	REV-1	E.H.

RECEIVED
MAY 9 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE., N.Y.

APPROVED:
CHIEF, PLANNING DIVISION
DATE

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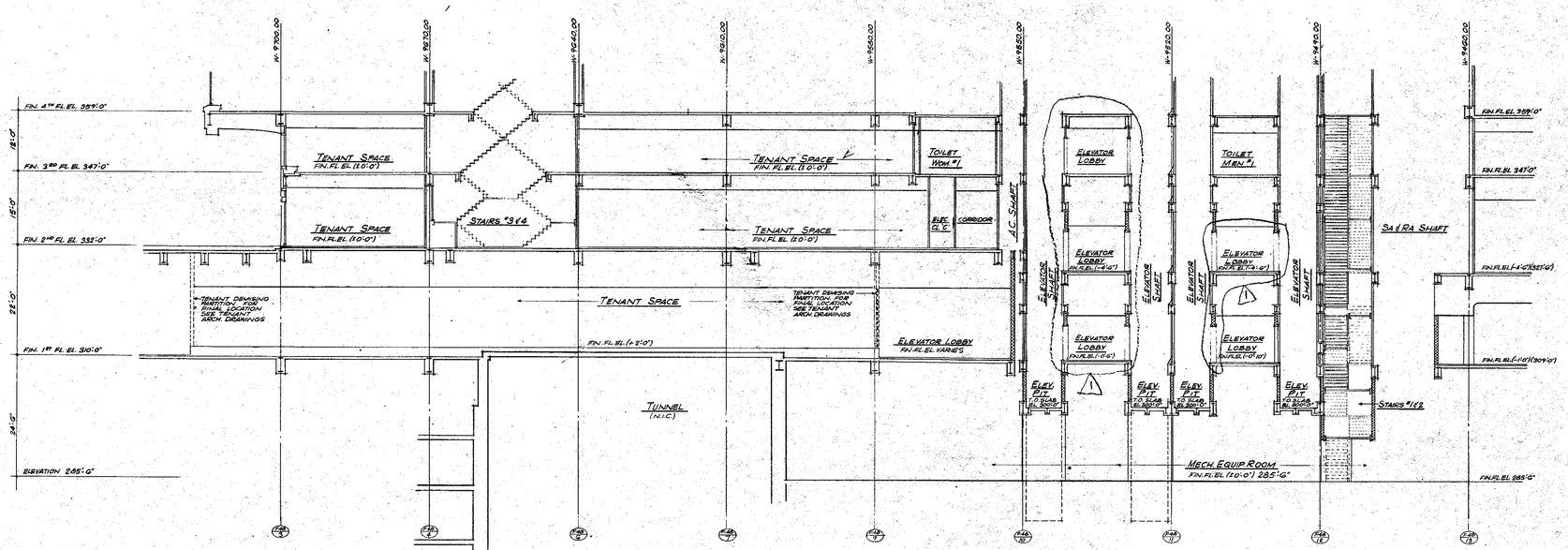
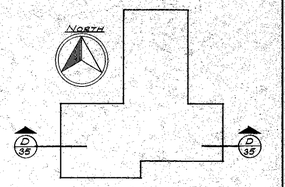
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/8"-1'-0" 0 4' 8' 16' 24'

TITLE: SOUTHEAST PLAZA BUILDING
SECTION "EE"

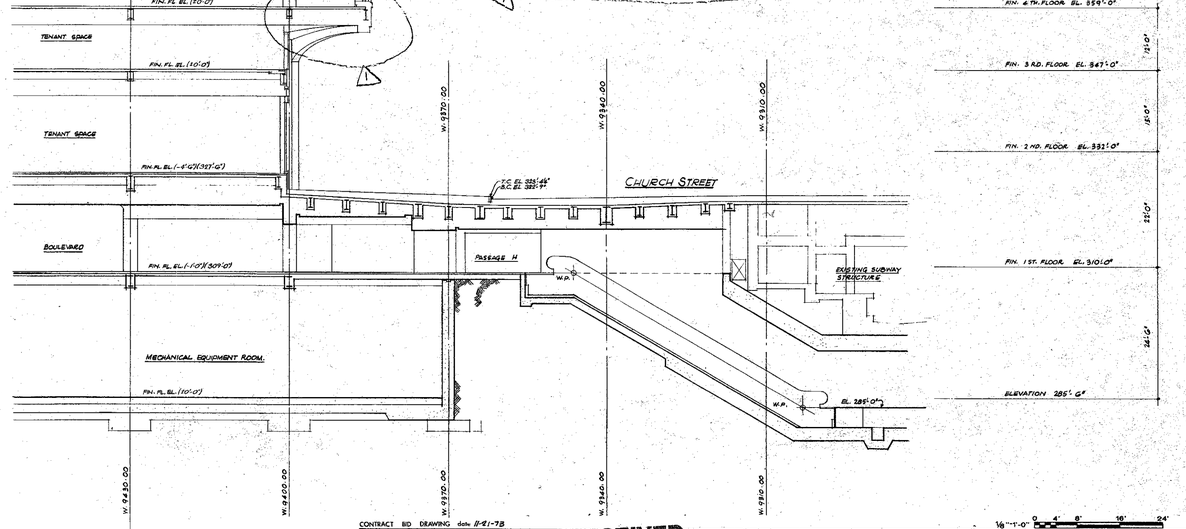
DRAWN | CHECKED
SCALE 3/32"-1'-0" | DATE 11-15-75
PROJECT NUMBER | SHEET OF
DRAWING NUMBER A-F-34





KEY PLAN

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS & ABBREVIATIONS, SEE DRAWINGS NO. A-F.1 TO A-F.5
2. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
3. FOR GENERAL EXCAVATION ELEVATIONS SEE THE PORT AUTHORITY OF N.Y. & N.J. FOUNDATION CONTRACT DRAWINGS.



CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	4-29-76	F-1	H.K.

REVISIONS

RECEIVED
MAY 9 1975
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON
APPROVED 30 PARK AVE. N.Y.C.
PLANNING DIVISION
DATE

1/8"-1'-0" 0 4' 8' 16' 24'

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON STRUCTURAL ENGINEERS

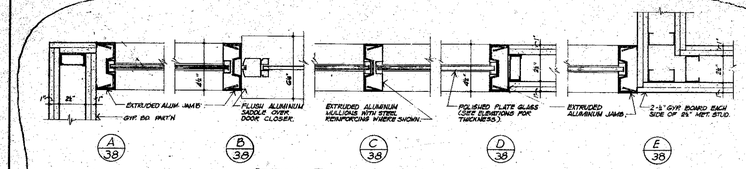
EMERY ROTH & SONS RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

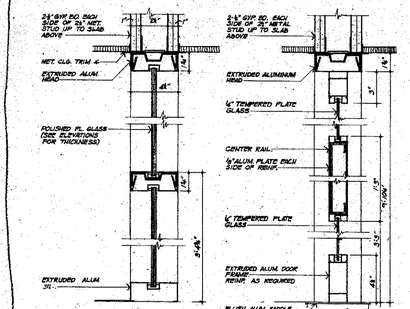
TITLE: SOUTHEAST PLAZA BUILDING

SECTION DD

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-35		



SECTIONS THRU GLASS AND ALUMINUM PARTITION
SCALE: 3"=1'-0"

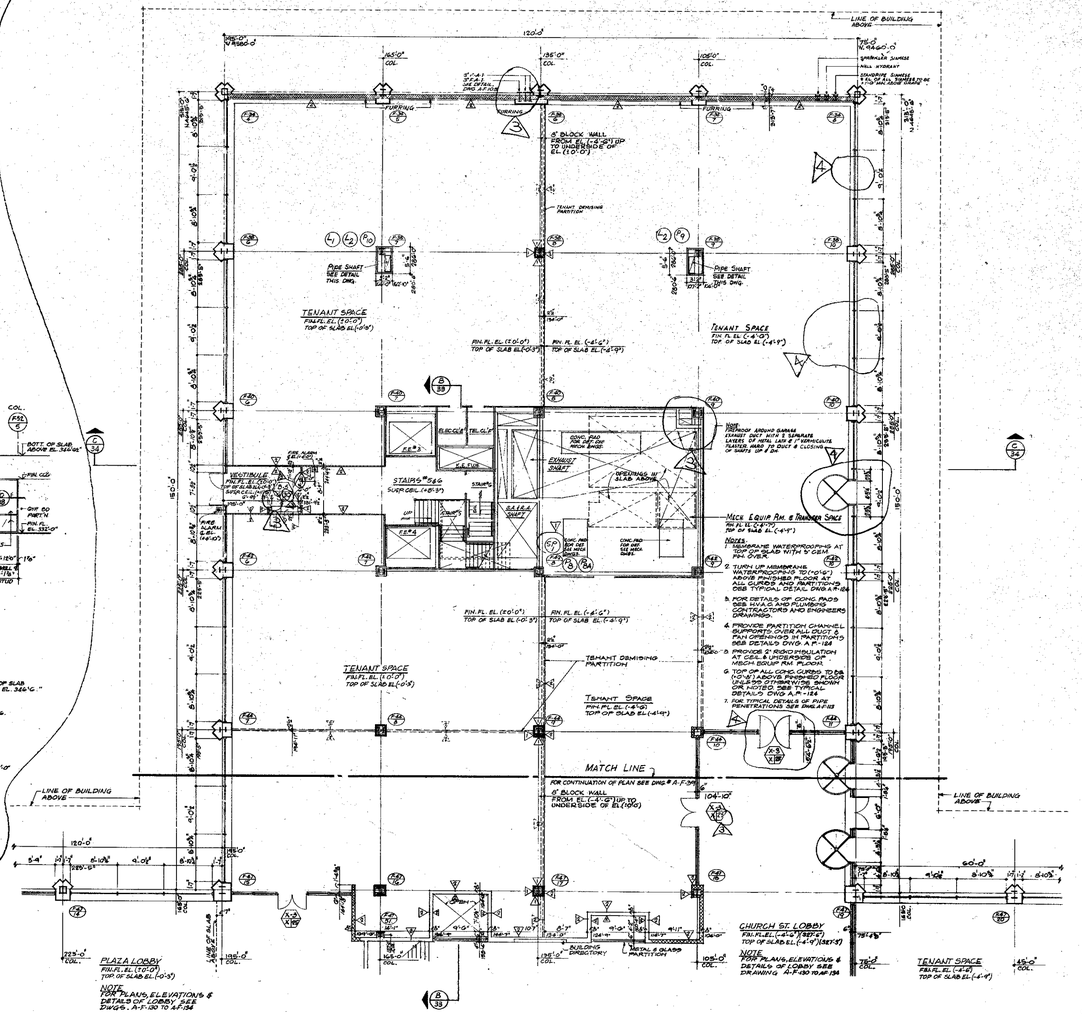


TYPICAL SECTION F 38
SCALE: 3"=1'-0"

SECTION AT DOOR G 38
SCALE: 3"=1'-0"

ELEVATION B 38
SCALE: 3/16"=1'-0"

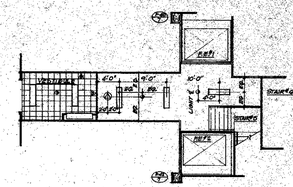
ELEVATION A 38
SCALE: 3/16"=1'-0"



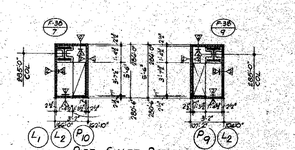
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWING NO A-F-1 TO A-F-5.
2. FOR COMPLETE 40' SCALE CORE PLANS SEE DRAWING NO A-F-40
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE GIVEN IN RELATION TO FIN-SH FLOOR WHICH IS EL. 339'0".
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DRAWINGS NO A-F-98 TO A-F-100.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A "SPRAY-ON" TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS OF FIREPROOFING.
7. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 15" FROM HORIZONTAL SEE TYPICAL DETAILS DRAWING NO A-F-124.
9. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
10. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE "SPRAY-ON" FIREPROOFING AROUND COLUMNS AND FURR WITH METAL STUDS AND ⅝" GYPSUM WALLBOARD SEE TYPICAL DETAILS ON DWG. A-F-124.
11. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.

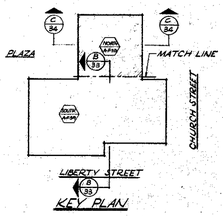


REFLECTED CEILING PLAN AT VESTIBULE & STAIR #5



PIPE SHAFT DETAILS
SCALE ¼" = 1'-0"

NOTE: SLAB OVER PIPE SHAFTS AFTER PIPES ARE IN PLACE



KEY PLAN

RECEIVED
MAY 7 1976
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT "B" DRAWING date 11-21-73

NO.	DATE	SUBJ. NO.	BY
5	5-5-76	E-47	J.C.
4	10-17-75	F-15	J.A.
3	7-17-75	REV #1	J.H.
2	12-19-73	ADD #1	J.G.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 4' 8' 16' 24'

TITLE: SOUTHEAST PLAZA BUILDING
2ND FLOOR PLAN
NORTH SECTION

DRAWN	CHECKED
SCALE 8"=1'-0"	DATE 11-15-73
PROJECT NUMBER	SHEET OF
CONTRACT NUMBER	A-F-38

NORTH

MATCH LINE
FOR CONTINUATION OF PLANS SEE DWG. A-F-35

LINE OF BUILDING ABOVE

PLAZA LOBBY
FIN. FL. EL. (-1'-0")
TOP OF SLAB EL. (-1'-0")

NOTE:
FOR PLANS, ELEVATIONS & DETAILS OF LOBBY SEE DRAWINGS, A-F-130 TO A-F-134

TENANT SPACE
FIN. FL. EL. (-1'-0")
TOP OF SLAB EL. (-1'-0")

NOTE:
FOR NUMBER & TYPE OF TENANT ENTRANCES SEE SPECIFICATIONS.

TENANT SPACE
FIN. FL. EL. (-4'-0")
TOP OF SLAB EL. (-4'-0")

TENANT SPACE
FIN. FL. EL. (-6'-0")
TOP OF SLAB EL. (-5'-0")

TENANT SPACE
FIN. FL. EL. (-6'-0")
TOP OF SLAB EL. (-5'-0")

TENANT SPACE
FIN. FL. EL. (-8'-0")
TOP OF SLAB EL. (-8'-0")

NOTE:
FOR NUMBER & TYPE OF TENANT ENTRANCES SEE SPECIFICATIONS.

CHURCH ST. LOBBY
FIN. FL. EL. (-4'-0")
TOP OF SLAB EL. (-4'-0")

NOTE:
FOR PLANS, ELEVATIONS & DETAILS OF LOBBY SEE DRAWING A-F-130 TO A-F-134

TENANT SPACE
FIN. FL. EL. (-4'-0") (37.2°C)
TOP OF SLAB EL. (-4'-0") (36.1°C)

NOTE:
FOR NUMBER & TYPE OF TENANT ENTRANCES SEE SPECIFICATIONS.

LIBERTY ST. LOBBY
FIN. FL. EL. (-2'-0")
TOP OF SLAB EL. (-2'-0")

NOTE:
FOR PLANS, ELEVATIONS & DETAILS OF LOBBY SEE DWGS. A-F-135 TO A-F-139

PIPE SHAFT SEE DETAIL THIS DWG.

ELEV. LOBBY

ELEC CL. 'A'

ELEC CL. 'B'

ELEC CL. 'D'

ELEC CL. 'E'

TEL. CL. 'A'

TEL. CL. 'D'

CLOSET

S.A. & E.S. SHAFT

"SASSA" SHAFT

A.C. SHAFT

A.C. EXH. PLENUM

A.C. EXHAUST PLENUM

A.C. SUPPLY PLENUM

LOUVERS

CORRIDOR SLOPE (1:40-0")

TENANT DEMISING PARTITION

METAL & GLASS PARTITIONS

PUBLIC CORRIDOR NON-BEARING PARTITIONS BEYOND SHOWN ON DWG A-F-124

COLUMN SHAFT DETAILS ON DWG A-F-124

DIAMETERS & PIPE SIZES

PIPE SPACE

STAIR NO. 12

STAIR NO. 13

STAIR NO. 14

STAIR NO. 15

STAIR NO. 16

STAIR NO. 17

STAIR NO. 18

STAIR NO. 19

STAIR NO. 20

STAIR NO. 21

STAIR NO. 22

STAIR NO. 23

STAIR NO. 24

STAIR NO.

FINISH SCHEDULE

Column headings printed on the schedule:
- **FLOOR – FINISH:** Dustproof Conc., Vinyl Asbestos, Ceramic Tile, Marble, Terrazzo, Carpeting, Quarry Tile
- **BASE:** Cement, Resilient, Ceramic Tile, Marble, Terrazzo, Quarry Tile, Wood, None
- **WALLS – MATERIAL:** Masonry / Metal Lath & Furring, Concrete, Gyp Wallboard, Metal Stud, Facing Tile, Brick, Marble, Wood, Keene Cem. Plaster, Plaster
- **WALLS – FINISH:** Unfinished, Vinyl Covering, Painted, Ceramic Tile, Cem. Parging, Facing Tile, Face Brick, Spray Glaze
- **CEILING – MATERIAL:** Metal Pan, Acoustical Tile, Concrete, Steel Deck, Gyp Wallboard, Cem. Plaster, Luminous Ceil.
- **CEILING – FINISH:** Painted, Unfinished

In the table below, each category cell names the marked (●) column or columns.

Floor	Location – Space		Floor Finish	Base	Walls Material	Walls Finish	Ceiling Material	Ceiling Finish	Remarks
4TH FLOOR	ELEV. LOBBY	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Gyp Wallboard	Painted	* FOR DETAILS OF LOBBY & FINISHES SEE ARCH. DETAILS DWG.
	TENANTS SPACE	*							* SEE TENANT ARCHITECTS DWG. FOR SUB-DIVISION OF SPACE AND FINISHES
	CLOSETS	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	* SEE ARCH. PLANS FOR M.L.F. & VERMICULITE PLASTER CEILINGS.
	CORRIDOR	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* FOR FINAL LOCATION & EXTENT OF CORRIDOR SEE P.A. RENTAL DWGS.
	STAIRS #1,#2,#3,#4 & #5	*	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT AND TYPE OF SUSP. CEIL. & FIREPROOFING.
	POWDER RM #1,#2	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Vinyl Covering	Acoustical Tile		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	VEST #1	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	TEL. CL. A, B, C, D, E, F		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. A, B, C, D, E, F, G		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	MEN #1,#2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	WOMEN #1,#2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	VEST #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
5TH, 6TH & 7TH FLOORS	ELEV. LOBBY	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Gyp Wallboard	Painted	* FOR DETAILS OF LOBBY & FINISHES SEE ARCH. DETAIL DWGS.
	CORRIDOR	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* FOR FINAL LOCATION & EXTENT OF CORRIDOR SEE P.A. RENTAL DWGS.
	TENANT SPACE	*							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES.
	STAIRS #1,#2,#3,#4,#5	*	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT AND TYPE OF SUSP. CEIL. & FIREPROOFING.
	POWDER RM. #1 & #2	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	VEST #1	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	WOMEN #1,#2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	MEN #1,#2	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	TEL. CL. A, B, C, D, E, F		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. A, B, C, D, E, F, G		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	CLOSETS	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	* SEE ARCH. PLAN FOR M.L.F. & VERMICULITE PLASTER CEILINGS.
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	VEST. #2		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	TRANSFER PASSAGE	*6TH & 7TH FLS.	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCH. PLANS FOR EXTENT AND TYPE OF SUSP. CEIL. & FIREPROOFING.
	ELEVATOR ACCESS HALL		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
8TH FLOOR	ELEV. LOBBY	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Gyp Wallboard		* FOR DETAILS OF LOBBY & FINISHES SEE ARCH. DETAIL DWGS.
	TENANT SPACE	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* SEE DWGS. A-F-B1 TO A-F-B6 & FOR FINAL LOCATION OF PART. & FINISHES SEE TENANT ARCH. DWGS.
	CORRIDOR	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* FOR FINAL LOCATION & EXTENT OF CORRIDOR SEE P.A. RENTAL DWGS.
	STAIRS #1 #2 #3 #4 & #5 ○	*	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT & TYPE OF SUSP. CEIL.
	MEN #1, #2, #3, #4 & #5	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	WOMEN	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	MEN'S VEST. #4, #5, #6	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	POWDER RM.	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	TEL. CL. A, B, , D, E, F		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. A, B, ○ D, E, F, G		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	CLOSETS	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	* SEE ARCH. PLAN FOR M.L.F. & VERMICULITE PLASTER CEIL.
	STORAGE		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	MAIL ROOM		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	MEN'S VEST #1, 2 & #3	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	PUBLIC HALL		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	STAIR VEST #5		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	COMMODITY TRADING FLOOR	*							* SEE TENANT ARCH. DWGS. FOR SUB-DIVISION OF SPACE AND FINISHES.
	ELEVATOR ACCESS HALL		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
9TH FLOOR	ELEV. LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Gyp Wallboard	Painted	* FOR DETAILS OF LOBBY & FINISHES SEE ARCH. DETAIL DRAWINGS.
	SERVICE LOBBY		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
	MECH. EQUIP. RM.	*	Dustproof Conc.	Cement	Gyp Wallboard, Metal Stud	Painted	Steel Deck	Unfinished	* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING.
	TENANT SPACE	*							* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE AND FINISHES
	STAIRS #1, #2, #3 #4 & #5.	*	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT & TYPE OF SUSP. CEIL. & FIREPROOFING
	VEST. #1, #2 & #3	*	Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT & TYPE OF SUSP. CEIL. & FIREPROOFING
	MEN #1	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	WOMEN #1	*	Ceramic Tile	Ceramic Tile	Gyp Wallboard, Metal Stud	Ceramic Tile	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	POWDER RM. #1	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	MEN'S VEST #1	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Metal Pan		* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	PIPE CLOSET		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	TEL. CL. 'A', 'B', 'D' E & F		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	ELEC. CL. 'A', 'B', 'D', 'E', 'F' & 'G'		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	MEZZANINE PASSAGE	*							* SEE TENANT ARCH. DWG. FOR SUB-DIVISION OF SPACE & FINISHES
	CLOSET		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	
	CORRIDOR	*	Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		* FOR FINAL LOCATION & EXTENT OF CORRIDOR SEE P.A. RENTAL DWGS.
	UPPER PORTION OF COMMODITY TRADING FL.	*							* SEE TENANT ARCH. DWG. FOR SUB-DIVISION OF SPACE & FINISHES.
	JAN. CL.		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Metal Pan		
	ELEVATOR ACCESS HALL.		Vinyl Asbestos	Resilient	Gyp Wallboard, Metal Stud	Painted	Acoustical Tile		
MAIN ROOF & BULKHEAD	ELEV. MACH. RM. (P.E.#1, #3 #4 & #6 THRU 12 C.E.#2)		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	ELEV. MACH. RM. (P.E. #1 & P.E. #2)		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	
	STAIRS #1, #2 & #5	*	Dustproof Conc.	Resilient	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR EXTENT & TYPE OF SUSP. CEIL.
	VEST. #1, #2 & 3	*	Dustproof Conc.	Resilient, None	Gyp Wallboard, Metal Stud	Painted	Concrete	Painted	* SEE ARCHITECTURAL PLANS FOR SOUNDPROOFING
	MECH. EQUIP. RM. PLENUM AREA #1 & #2		Dustproof Conc.	None	Gyp Wallboard, Metal Stud	Unfinished	Concrete	Unfinished	

GENERAL NOTES

1. ALL DIMENSIONS ON DWGS # A-F-1 TO A-E-101 ARE TO ROUGH WALLS AND PARTITIONS. ALL DIMENSIONS ON DWG# A-F-102 TO A-E-102 ARE GIVEN TO FINISH UNLESS OTHERWISE SHOWN OR NOTED.
2. FOR WINDOW HEIGHTS SEE ELEVATIONS AND DETAILS. WINDOW HEIGHTS ARE NOMINAL, FOR ACTUAL DIMENSIONS SEE WINDOW CONTRACTORS DETAILS AND ERECTION DRAWINGS.
3. ALL DOORS WITH CLOSERS (OTHER THAN SPRING HINGE) TO BE KEPT 6" MINIMUM CLEAR OF ROUGH WALLS ON HINGED SIDE.
4. CANTS REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
5. FOR PERIPHERY A.C. UNITS, AIR CONDITIONING DUCT WORK, PIPING & EQUIPMENT AND FOR EXHAUST DUCTS ETC. SEE MECHANICAL DWGS.
6. FOR ALL PLUMBING PIPES, RISERS, DRAINAGE AND DETAILS ETC. SEE PLUMBING DWGS.
7. FOR ALL ELECTRICAL WIRING, RISER DIAGRAMS, LIGHTING, CONVENIENCE OUTLETS AND DETAILS, ETC. SEE ELECTRICAL DWGS.
8. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT +8'-10" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. WHERE CINDER BLOCK FIREPROOFING IS CALLED FOR AROUND COLUMNS CINDER BLOCK IS 3" SOLID BLOCK UNLESS OTHERWISE SHOWN OR NOTED.
11. ALL ELECTRIC CELLS (POWER AND TELEPHONE) THAT ARE EXPOSED OVER ELEVATOR MACHINE ROOMS, SHAFTS AND STAIRS ARE TO BE FIREPROOFED AT UNDERSIDE FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF ELECTRIC CELLS AND FIREPROOFING.
12. ALL SLABS OUTSIDE OF BUILDING PERIMETER AT STREET LEVEL SHALL HAVE MEMBRANE WATERPROOFING AND INSULATION IN ACCORDANCE WITH DETAILS SHOWN ON DWGS P-1 TO P-5 & P-7 TO P-19.
13. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK WITHIN HEAVY BORDER LINES AND SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS, WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN.
14. SLAB OVER ALL SLOTS IN ELECTRIC & TELEPHONE CLOSETS AFTER CONDUITS ARE IN PLACE. (△2)

ABBREVIATIONS, SYMBOLS & KEY TO MATERIALS

A.C.	AIR CONDITIONING	LAV.	LAVATORY
A.C.	ACOUSTIC	L.P.	LOW POINT
A.D.	ACCESS DOOR	MACH.	MACHINE
ALUM.	ALUMINUM	MAX.	MAXIMUM
BL.	BLOCK	MEMB.	MEMBRANE
BM.	BEAM	MIN.	MINIMUM
BOT.	BOTTOM	M.L.	METAL LATH
BLDG.	BUILDING	M.L.F.	METAL LATH FURRING
BD.	BOARD	M.O.	MASONRY OPENING
B.R.	BOTTOM REGISTER	M.R.	MOP RECEPTOR
		MECH.	MECHANICAL
CEM.	CEMENT	M.S.	MARBLE SADDLE
℄	CENTER LINE	MET.	METAL
CL.	CLOSET		
CEIL.	CEILING	N.I.C.	NOT IN CONTRACT
C.E.	COMBINATION ELEVATOR	N.T.S.	NOT TO SCALE
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE		
COND.	CONDUIT	O.C.	ON CENTER
CONST.	CONSTRUCTION	OPNG.	OPENING
CONT.	CONTINUOUS	OPP.	OPPOSITE
C.T.	CERAMIC TILE	O.D.	OUTSIDE DIAMETER OR DIMENSION
CTR.	CENTER		
CABT.	CABINET	P.A.	PORT AUTHORITY
CONTR.	CONTRACTOR OR CONTRACT	PARTN.	PARTITION
C.E.	COMBINATION ELEVATOR	P.E.	PASSENGER ELEVATOR
DET.	DETAIL	P.H.	PAPER HOLDER
D.F.	DRINKING FOUNTAIN	PL.	PLATE
DN.	DOWN	PLAS.	PLASTER
DWG.	DRAWING	PTD.	PAINTED
DIA. ○	DIAMETER	POL.	POLISHED
DR.	DOOR	Q.T.	QUARRY TILE
EL.	ELEVATION	R.	RISER
ELEC.	ELECTRICAL	RAD.	RADIUS
ELEV.	ELEVATOR	R.D.	ROOF DRAIN
ESC.	ESCALATOR	RM.	ROOM
EQ.	EQUAL	REF.	REFRIGERATION
EQUIP.	EQUIPMENT	R.S.	RESILIENT SADDLE
EXP.	EXPOSED	R.T.	RESILIENT
EXPAN. JT.	EXPANSION JOINT	REINF.	REINFORCED OR REINFORCEMENT
EXTR.	EXTRUDED OR EXTRUSION	REQ'D.	REQUIRED
EXT.	EXTERIOR		
F.A.I.	FRESH AIR INTAKE	S.A.	SUPPLY AIR
F.H.C.	FIRE HOSE CABINET	S.E.	SERVICE ELEVATOR
FIN.	FINISH	SEC.	SECTION
FL.	FLOOR	SIM.	SIMILAR
F.P.	FIREPROOFING	S.N.D.	SANITARY NAPKIN DISPENSER
F.P.S.C.	FIREPROOF SELF CLOSING	S.N.V.	SANITARY NAPKIN VENDOR
F.T.	FACING TILE	S.S.	SERVICE SINK
F.E.	FREIGHT ELEVATOR	ST. STL.	STAINLESS STEEL
F.D.	FLOOR DRAIN	STL.	STEEL
FIXT.	FIXTURE	SUSP.	SUSPENDED
GYP.	GYPSUM	T.C.R.	TOWEL CABINET & RECEPTACLE
GL.	GLASS	T.E.	TOILET EXHAUST
		TEL.	TELEPHONE
HORIZ.	HORIZONTAL	T.R.	TOP REGISTER
H.	HIGH	TYP.	TYPICAL
HT.	HEIGHT	T.&B.R.	TOP & BOTTOM REGISTER
H.P.	HIGH POINT	T.	TREAD
H.M.	HOLLOW METAL	T.D.	TIE DOWN
HR.	HOUR		
H.R.	HAND RAIL	V.A.T.	VINYL ASBESTOS TILE
H.V.A.C.	HEATING VENTILATING & AIR CONDITIONING	VEST.	VESTIBULE
		V.T.	VINYL TILE
I.D.	INSIDE DIAMETER OR DIMENSION	V.W.C.	VINYL WALL COVERING
INT.	INTERIOR	VERT.	VERTICAL
INSUL.	INSULATION		
		WD.	WOOD
JT.	JOINT	WP.	WATERPROOFING
JAN. CL.	JANITOR'S CLOSET	W.P.	WORKING POINT
		W.	WIDE OR WIDTH
K.E.	KITCHEN EXHAUST		

RECEIVED
FEB 28 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE, N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	BUL. NO.	BY
△2	7-19-74	REV #1	I.H.
△1	12-19-73	ADD. #1	W.I.

REVISIONS

REGISTERED ARCHITECT – RICHARD ROTH – STATE OF NEW YORK (seal)

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

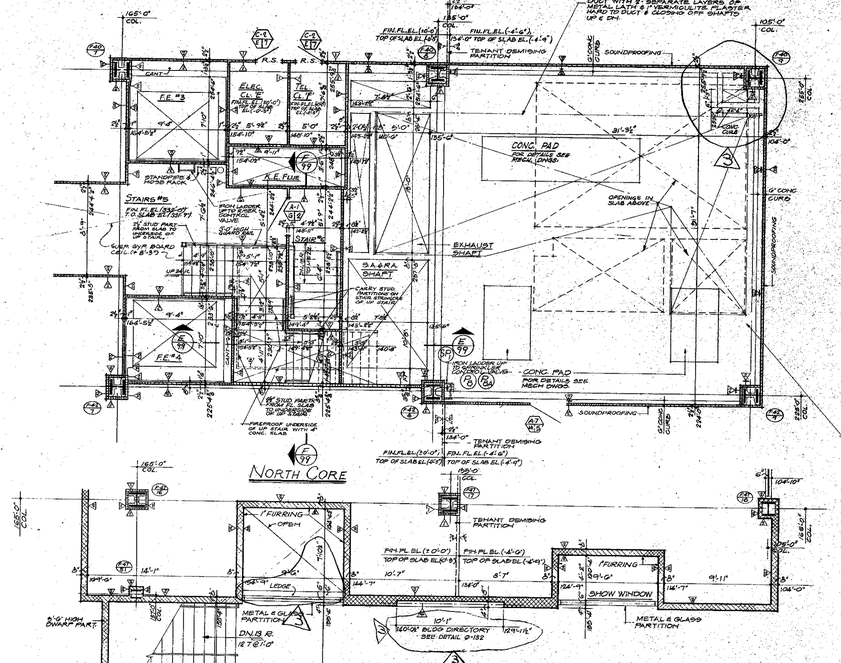
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

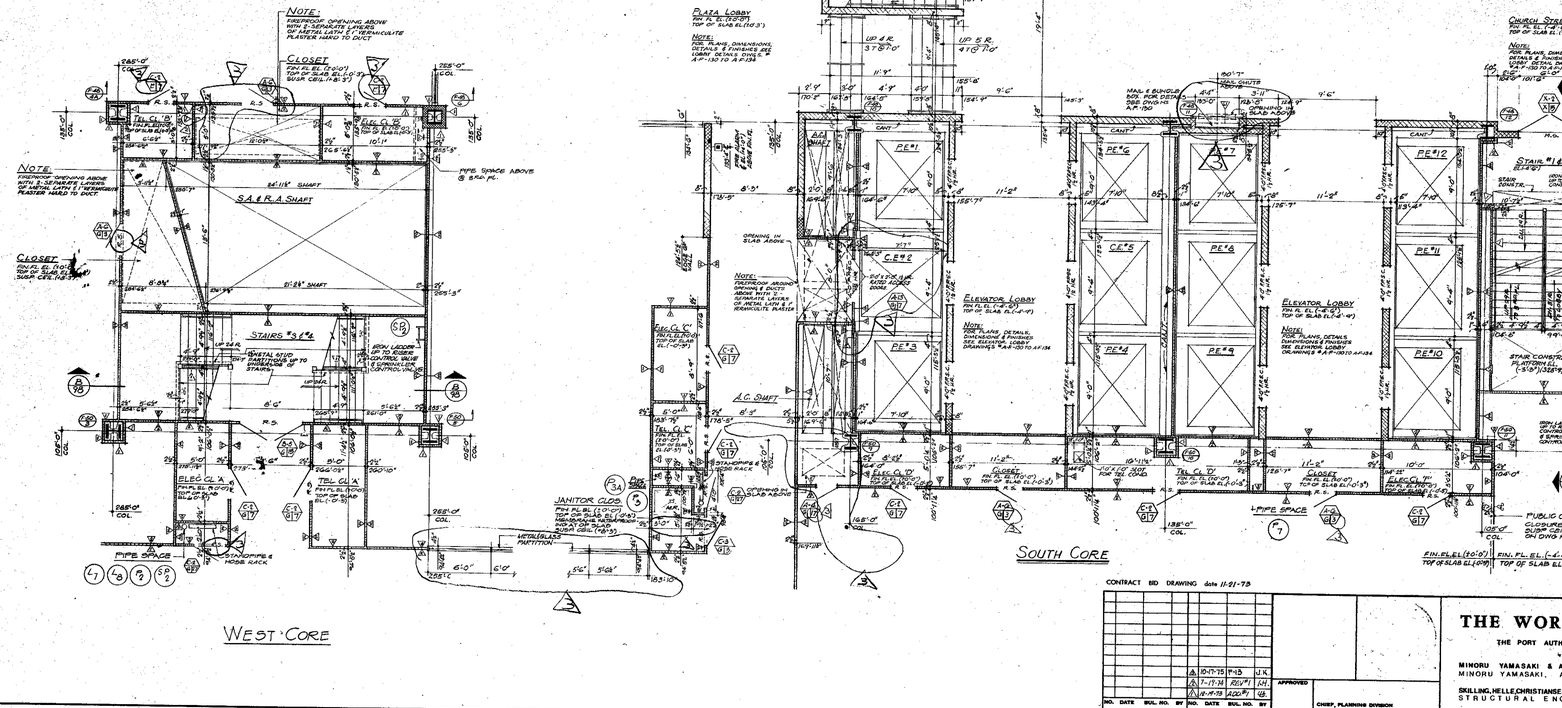
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING – FINISH SCHEDULE

DRAWN		CHECKED	
SCALE		DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·4		





RECEIVED
OCT 23 1975
SKILLING - HELLE CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
3	10-17-75	P-13	J.K.
2	7-17-74	REVISED	J.H.
1	10-17-73	ADDED	GB

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

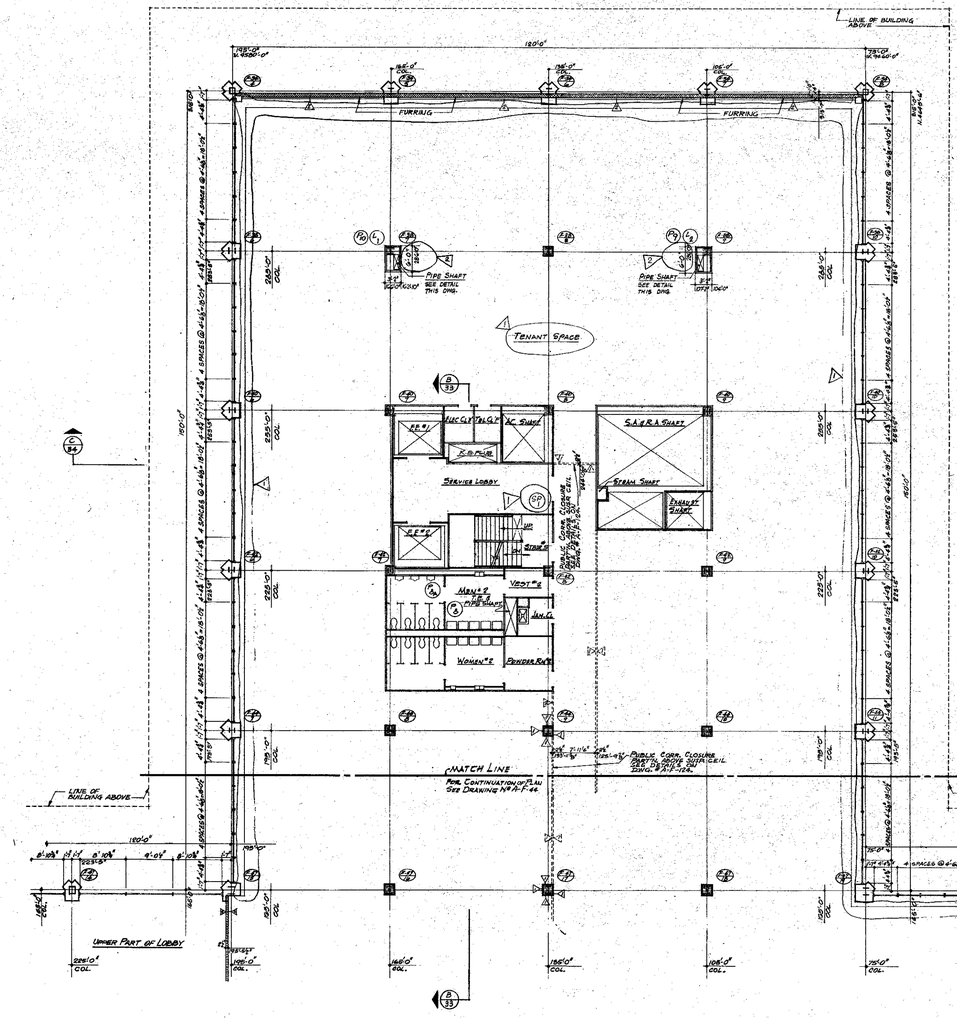
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

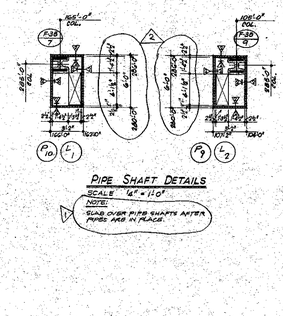
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
2ND FLOOR CORE PLAN
OFFICE FLOOR

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 11-15-73
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-40



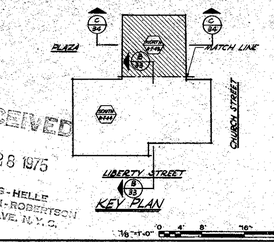


NOTE:
SLAB OVER PIPE SHAFTS AFTER PIPES ARE IN PLACE.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING NO. A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN, SEE DRAWING NO. A-F-45.
3. ALL ELEVATIONS GIVEN THIS (1.0.0") ARE GIVEN IN RELATION TO FINISH FLOOR WHICH IS ELEVATION 3.21'-0".
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING NO A-F-120.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING NO A-F-101.
7. ALL TRENCH HEADERS TO BE WATERPROOFED AT JUNCTURE OF SLAB, FOR A WIDTH OF 6'-0" WITH A "SPRAY-ON" TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0.0.0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS DRAWING NO A-F-124.
10. EWS AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DWGS.
11. FOR FIREPROOFING OF ALL FIRE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN, OR ON CORE PLAN, PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS AND ½" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DWG. A-F-124.
12. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
13. "FOR CORRIDOR & TOILET LIGHTING LAYOUTS SEE DWG# A-F-44, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.



RECEIVED
FEB 28 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT# BID DRAWING +date 11-21-75

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	7-12-76	REV'S	GB
2	10-19-76	ADD'S	GB

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
3RD FLOOR PLAN
NORTH SECTION

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-43		

NORTH

MATCH LINE
FOR CONTINUATION OF PLAN SEE DRAWING A-F-45

LINE OF BUILDING ABOVE

UPPER PART OF LOBBY

NOTE: FOR PLANS, ELEVATIONS & DETAILS OF LOBBY SEE LOBBY DWGS. A.F. 150 TO A.F. 155

TENANT SPACE

SKY LOBBY

ELEVATOR LOBBY

PUBLIC CORR. CLOSURE (PARTLY ABOVE SOFFIT) SEE DETAILS ON DWG. A-F-124.

NOTE: VOLT & VERMICULITE PLASTER FIREPROOFING SEE CORE PLAN DWG A-F-45

OPENING IN SLAB ABOVE

PIPE SHAFT SEE DETAIL THIS DWG.

CONVECTOR ENCLOSURE

K.B. PLENUM

NOTES: 1" H.R.C. GYP. PLASTER CEILING WITH HEAD OF GYP. PARTITION EXTENDED THROUGH BAFF INSULATION TO A.C. CEILING ABOVE.

A.C. EXH. PLENUM

A.C. EXHAUST PLENUM WITH 1" BAFF INSULATION AT CEILING

A.C. SUPPLY DUCT WITH 1" BAFF INSULATION AT CEILING

LOUVERS

LINE OF BUILDING ABOVE

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING NR. A-F-1 TO A-F-5.
2. FOR COMPLETE "A" SCALE CORE PLANS SEE DRAWING NR. A-F-45.
3. ALL ELEVATIONS GIVEN THUS (100') ARE GIVEN IN RELATION TO FINISH FLOOR WHICH IS ELEVATION 347'-0".
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS, DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING NR A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING NR A-F-101
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A "SPRAY-ON" TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND OVERHANG.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CAUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL SEE TYPICAL DETAILS DRAWING NR A-F-124
10. JUTS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DWGS.
11. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE SPRAY-ON FIREPROOFING APPLIED TO COLUMNS AND FINISH WITH METAL STUDS AND 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DWG. A-F-124.
12. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES, FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
13. FOR CORRIDOR & TOILET LIGHTING LAYOUTS SEE DWG. A-F-47. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.

PIPE SHAFT DETAILS
SCALE 1/4"-1'-0"

NOTE: FILL OVER PIPE SHAFTS AFTER PIPES ARE IN PLACE

KEY PLAN

RECEIVED
FEB 28 1975

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BY
1	7-17-74	REVISED	I.H.
2	12-19-73	ADDED	I.H.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

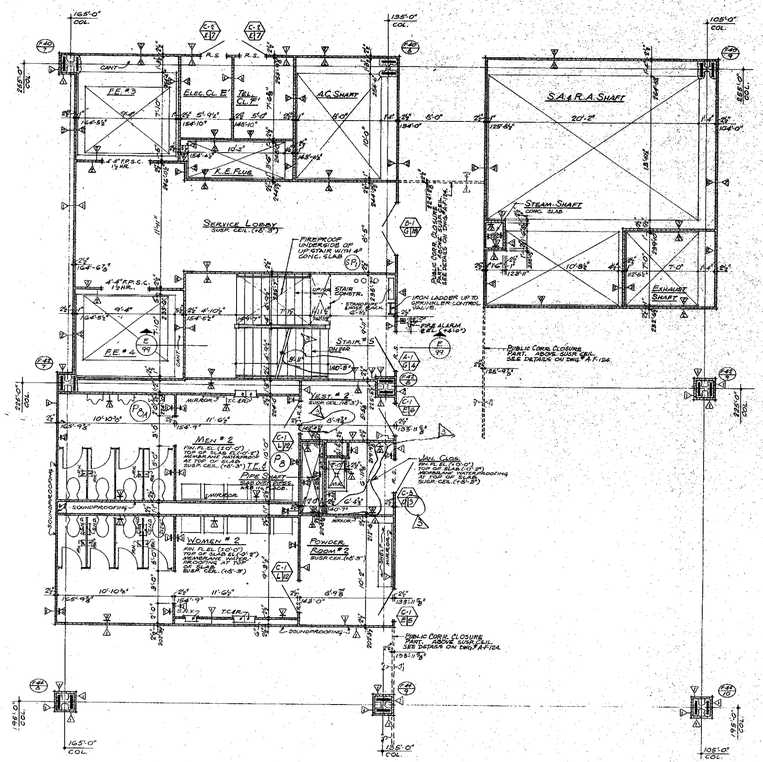
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

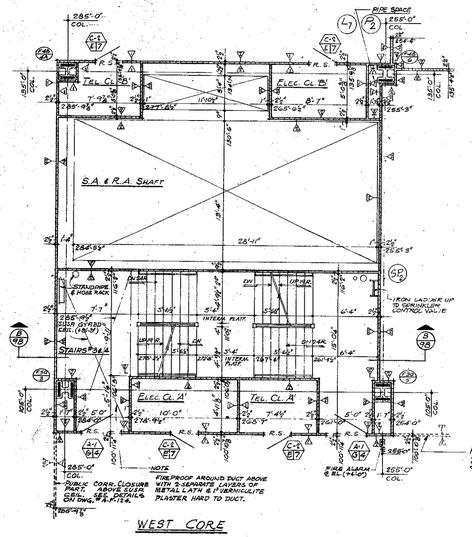
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

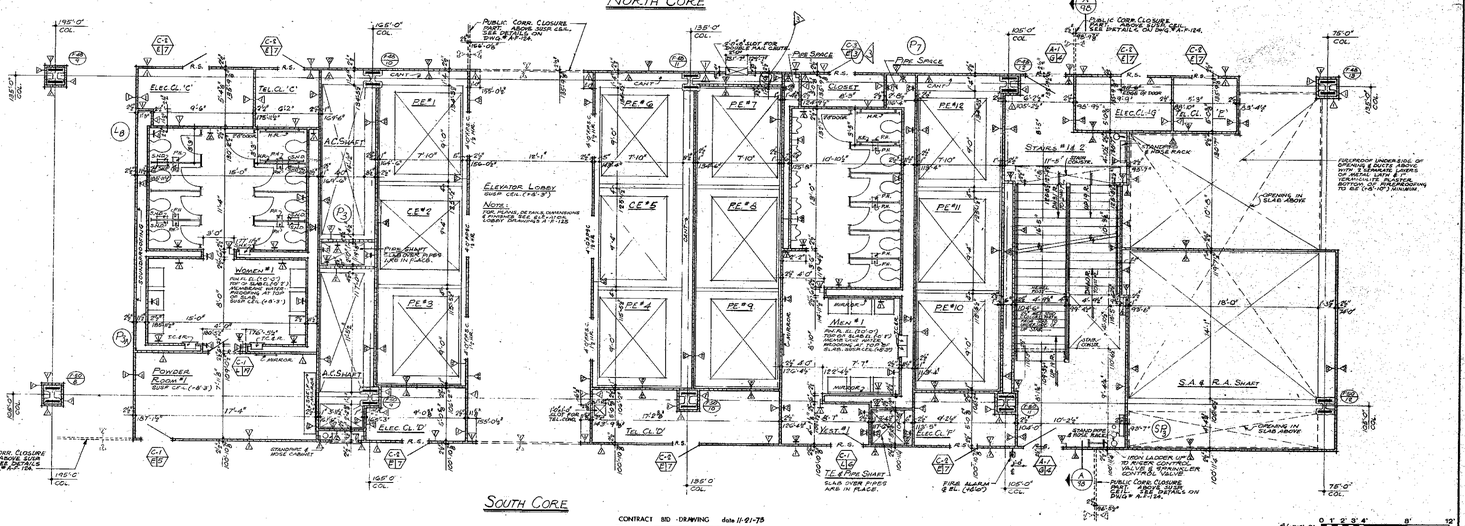
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
3RD FLOOR PLAN
SOUTH SECTION

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 11-15-73
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-44







NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DWG. # A-F-1.10 & A-F-1.11.
2. FOR COMPLETE 1/8" SCALE FLOOR PLANS SEE DWG. # A-F-1.48 & A-F-1.49.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE GIVEN IN RELATION TO FINISH FLOOR, WHICH IS ELEVATION 247'-0".
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-F-1.100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A-F-1.01.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB, FOR A WIDTH OF 8'-0" WITH A "SPRAY-ON" TYPE FIRE-PROOFING, SEE ARCHITECTURAL SPECIFICATION PART 7. M.E. AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (12'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM "12" FROM HORIZONTAL. SEE TYPICAL DETAILS DWG. # A-F-1.15A.
10. FOR CORRIDOR & TOILET LIGHTING LAYOUTS SEE DWGS. # A-F-1.46 & A-F-1.47.
11. EXACT AIR SIDE DESIGN OF TENANT SPACE TO BE DETERMINED FROM TYPICAL DESIGNATED DRAWINGS.
12. FOR PARTITION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING # A-F-1.15A.
13. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" TO PROVIDE FOR FUTURE CEILING INSTALLATION.

RECEIVED
OCT 23 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID - DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
10	10-17-75	P-13	M.K.
9	7-17-75	"D"	I.D.
8	7-17-75	ADD'L	KB

NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

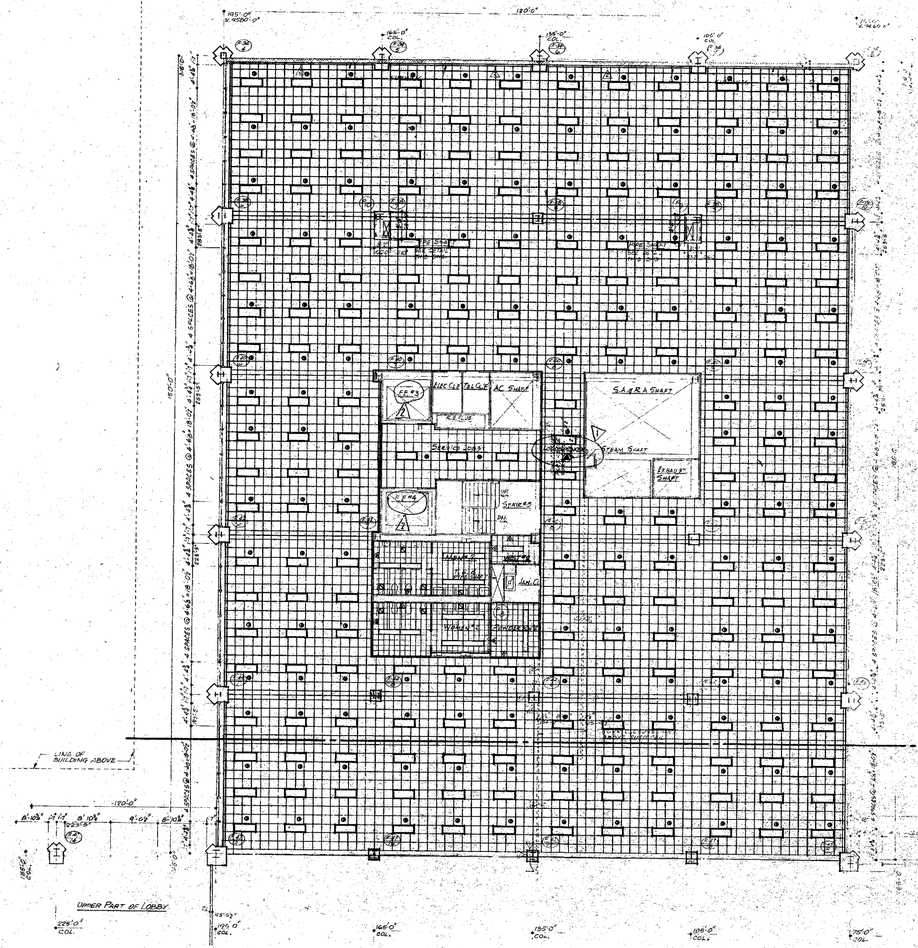
TITLE: SOUTHEAST PLAZA BUILDING
3RD FLOOR CORE PLAN
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-4.5		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING NO. A-F-1 TO A-F-5.
2. FOR COMPLETE 8" SCALE CORE PLAN SEE DRAWING NO. A-F-45
3. FOR B.I. MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
4. PARTITIONS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSP. CEILING SEE DRAWINGS NOS. A-F-45
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.



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NO.	DATE	SUB. NO.	BY
REVISIONS			
1	7-19-74	ADD'L	L.H.
2	12-9-74	ADD'L	GB

APPROVED

CHIEF, PLANNING DIVISION

DATE

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MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
3RD FLOOR REFLECTED CEILING PLAN - NORTH

SQUARE		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-46		

KEY PLAN

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
539 PARK AVENUE

NORTH

MATCH LINE
FOR CONTINUATION OF PLANS, SEE DWG A-F-46

LINE OF BUILDING ABOVE

UPPER PART OF LOBBY

LOUVERS

LINE OF BUILDING ABOVE

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWING NO. A-F-1, TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN, SEE DRAWING NO. A-F-45.
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
4. EDITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND SPANDRELS DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSP. CEILING SEE DRAWING No. A-F-44.
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

PIPE SHAFT DETAILS
SCALE 1/8" = 1'-0"

PLAZA

MATCH LINE

LIBERTY STREET

CHURCH STREET

KEY PLAN

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON 220 PARK AVE.

CONTRACT 5ID DRAWING date 11-21-75

NO.	DATE	SUBJ. NO.	BY
1	11-17-73	ADD'T'L	RG

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

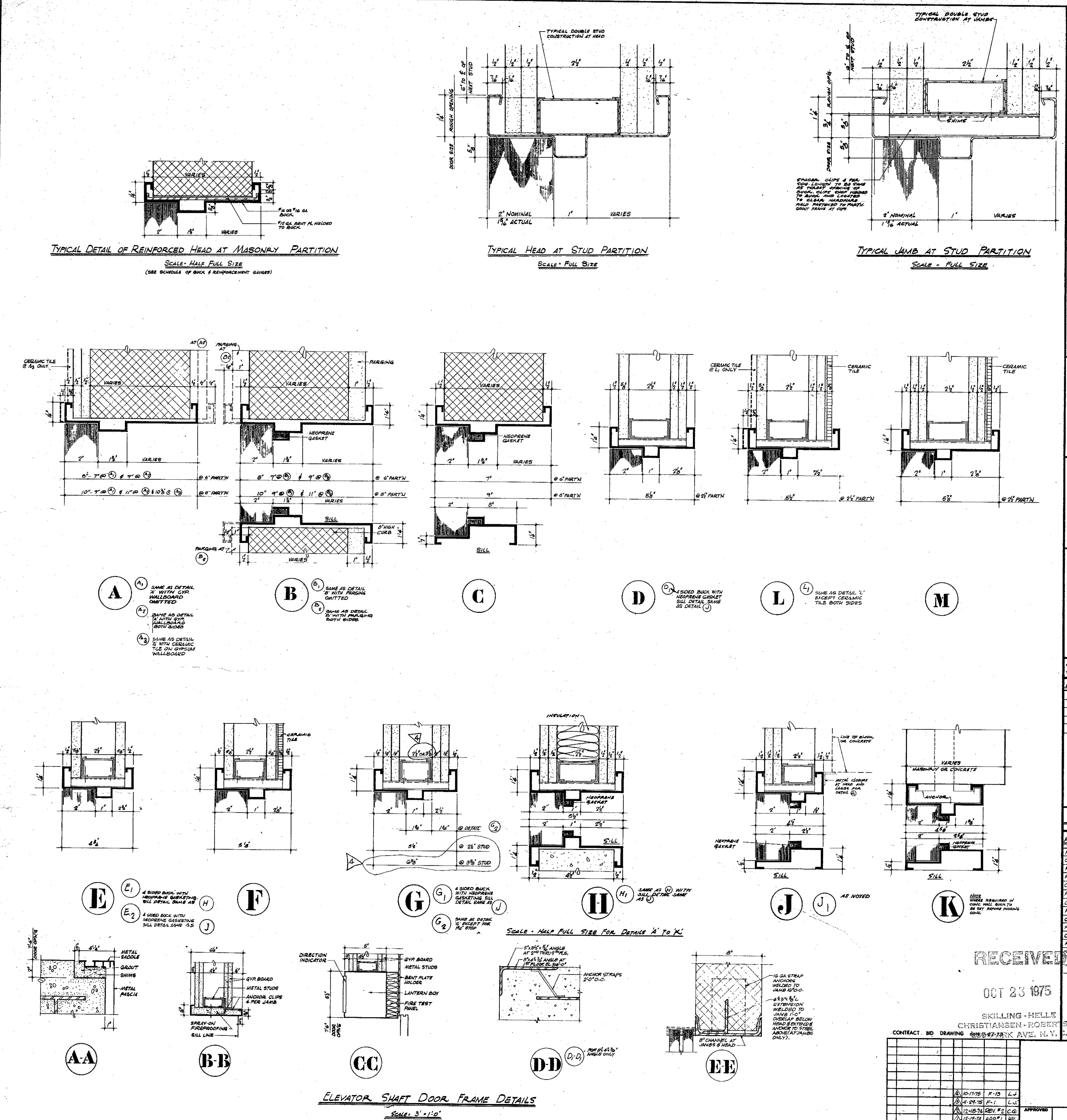
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS,
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
3RD FLOOR REFLECTED CEILING PLAN-SOUTH

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-47		



ELEVATION	TYPE NO.	WIDTH	HEIGHT	THICKNESS	F.P.S.C	F.P.	1½ HR. CONSTR.	4 SIDED BUCK	NEOPRENE GASKET	180° SWING	REMARKS
FLUSH HOLLOW METAL DOOR	A-1	3'-9"	7'-0"	1¾	●		●				
	A-2	3'-0"	7'-0"	1¾	●		●				
	A-3	3'-0"	7'-0"	1¾	●		●	●	●		
	A-4	2'-0"	7'-0"	1¾	●		●	●	●		
	A-5	3'-9"	7'-0"	1¾		●	●				
	A-6	3'-0"	7'-0"	1¾		●	●				
	A-7	3'-9"	7'-0"	1¾	●		●	●	●		
	A-8	2'-6"	7'-0"	1¾	●		●	●	●		
	A-9	3'-0"	7'-0"	1¾	●		●	●			POLISHED WIRE GLASS VISION PANEL ON LOCKSET SIDE
	A-10	2'-0"	5'-0"	1¾	●		●	●	●		
	A-11	2'-6"	7'-0"	1¾		●	●				
	A-12	2'-0"	7'-0"	1¾		●	●				
	A-13	2'-0"	2'-0"	1¾	●		●	●	●		
NOTE: FOR ELEVATOR MACHINE SPACE ACCESS DOORS SEE PLANS.											
(2) FLUSH HOLLOW METAL DOORS (WIRE GLASS VISION PANELS; LOUVERS AT B-6 DOORS ONLY)	B-1	5'-0"	7'-0"	1¾	●		●				
	B-2	5'-0"	7'-0"	1¾	●		●	●	●		POLISHED WIRE GLASS VISION PANEL ON LOCKSET SIDE
	B-3	6'-0"	7'-0"	1¾	●		●				
	B-4	5'-0"	7'-0"	1¾	●		●	●			
	B-5*	7'-0"	7'-0"	1¾	●		●				POLISHED WIRE GLASS VISION PANEL ON LOCKSET SIDE
	B-6*	5'-0"	7'-0"	1¾	●		●				LOUVERS
FLUSH HOLLOW METAL DOOR WITH LOUVERS	C-1	3'-0"	7'-0"	1¾	●		●				
	C-2	2'-6"	7'-0"	1¾		●	●	●		●	* AT MECH. EQUIP. RMS. ONLY. OMIT GASKETING.
	C-3	3'-0"	7'-0"	1¾		●	●			●	
NOTE: 1. ALL TOILET DOORS TO HAVE 2'-0" x 1'-6" HIGH 50% FREE AREA LOUVER & ¾" UNDERCUT.											
** NOTE: CONC. TO BE CUT OUT WHERE FLOOR CHECKS OCCUR.	X-1 *	3'-0"	7'-0"	1¾"	●		●				* SEE CONCOURSE LOBBY DETAILS FOR DOOR BUCK & FINISHES TOILET DOORS TO HAVE 2'-0" LOUVER
	X-2 **	6'-0"	9'-0" (4)	1¾"	●		●				* SEE PLAZA LOBBY DETAILS FOR DOOR BUCK & FINISHES (4)
	X-3 *	6'-0"	9'-0"	–							* SEE PLAZA LOBBY DETAILS FOR DOOR BUCK & FINISHES
	X-4 *	3'-9"	7'-0"	1¾"	●		●				* ~~SEE CONCOURSE LOBBY DETAILS FOR DOOR BUCK & FINISHES~~
	X-5 *	5'-0"	7'-0"	1¾"							* SEE CONC. LOBBY DETAILS FOR DOOR BUCK & FIN.
	X-6 *	3'-0"	7'-6½"								* SEE BULKHEAD DETAIL DWG.
	X-7 *	3'-3"	7'-0"		●		●				* SEE CONCOURSE LOBBY DETAILS FOR DOOR, BUCK & FINISHES
	X-8 *	4'-11"	6'-11"	1¾"	●		●				* SEE CONCOURSE LOBBY DETAILS FOR DOOR BUCK & FINISHES
	*	1'-8"	7'-3½"	1¾"			●	●			* DIORAMA ACCESS DOOR, SEE ELEVATION D-127
(4)	X-10	6'-0"	7'-0"	1¾"	●		●				* SEE CONCOURSE LOBBY DETAILS FOR DOOR BUCK & FINISHES
	X-11	6'-0"	10'-0"	–			●				* SEE PLAZA LOBBY DETAILS FOR DOOR BUCK & FINISHES
FLUSH HOLLOW METAL SLIDING DOOR UNITS (VARIES SEE PLAN; 7'-0")	D-1	4'-0"	7'-0"	1¾"		●	●				
	D-2	5'-0"	7'-0"	1¾"		●	●				
	D-3	6'-0"	7'-0"	1¾"		●	●				
	D-4	8'-0"	7'-0"	1¾"		●	●				

SCHEDULE OF BUCK AND REINFORCEMENT GAUGES

DOOR SIZE	PART'N. THICKNESS	BUCK GAUGES	REINFORCEMENT GAUGE
UP TO 4'-0"	2, 3 & 4"	#16	SEE NOTE #2
UP TO 3'-0"	6"	#16	SEE NOTE #2
3'-1" TO 4'-0"	6"	#16	#12
2'-0" TO 4'-0"	8"	#16	#12
4'-1" TO 6'-0"	2, 3, 4, 6 & 8	#14	#12

NOTES
1. ALL BUCK REINFORCEMENT AS SHOWN ON SCHEDULE APPLIES TO ONE PIECE BUCKS IN MASONRY PARTITIONS ONLY.
2. ALL DOOR BUCKS THAT CARRY FACING TILE OR MARBLE TO HAVE #12 GAUGE REINFORCED HEAD.
3. ALL DOORS 6'-1" OR LARGER AND ALL EXTERIOR DOOR TO HAVE ANGLE LINTELS
4. ALL DOOR BUCKS THAT CARRY PARTITIONS 8" OR MORE IN THICKNESS SHALL BE #14 GAUGE BUCK WITH #12 GAUGE REINFORCEMENT
5. DETAILS OF DOOR BUCKS ARE SHOWN FOR WIDTH OF BUCK AND WALL CONDITIONS ONLY. FOR ACTUAL DOOR LOCATION AND SWING REFER TO PLANS.

S.E. PLAZA BUILDING ELEV. DOORS & FRAMES

ELEV. NO.	FLOOR	JAMB	HEAD	SILL	REMARKS
F.E. #3 & 4	SERVICE LEVEL EL. (294'-0")	B-B	C-C	*	* SEE PORT OF N.Y. AUTH. FOUND. CONTR. DRAWINGS - SILL SIM. A-A
C.E. #2 & 5	MECH. EQUIP. LEVEL EL. 285'-6"	B-B	C-C	*	* SEE PORT OF N.Y. AUTH. FOUND. CONTR. DRAWINGS - SILL SIM. A-A
F.E. #3 & 4	FIRST FLOOR CONC. LEVEL EL. 310'-0"	SPECIAL	SPECIAL	SPECIAL	SEE ELEVATOR LOBBY DETAILS DWG. - A-F-125 FOR SPECIALS
P.E. #1,3,4,6,7-10		"	"	"	
C.E. #2 & 5		"	"	"	
P.E. #1,3,4,6 & 7 - 12	EL. 327'-6" 2ND FL.	SPECIAL	SPECIAL	SPECIAL	SEE ELEVATOR LOBBY DETAILS DWG. - A-F-125 FOR SPECIALS
C.E. #2 & 5		"	"	"	
F.E. #3 & 4	EL. 332'-0" 2ND FL.	B-B	C-C	A-A	
C.E. #2		B-B	C-C	A-A	
P.E. #1,3,4,6 & 7-11	3RD TO 9TH FLOORS	B-B	C-C	A-A	
C.E. #2 & 5		B-B	C-C	A-A	
F.E. #3 & 4		B-B	C-C	A-A	
FOOD SERVICE	SERVICE LEVEL 294'-0" & 310'-0" LEVEL	E-E	E-E	D-D	

NOTE:
1. ALL ELEVATOR DOORS AND FRAMES TO BE HOLLOW METAL EXCEPT AS OTHERWISE NOTED
2. ALL PASSENGER ELEVATOR DOORS TO BE 7'-6" IN HEIGHT. ALL FREIGHT AND COMBINATION ELEVATOR DOORS TO BE 7'-0" IN HEIGHT.

HUNG LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECT.	WALL THICK.	BOTT. ELEV.	FLOOR	REMARKS
HL-1	5x5x5/16	10'-0"	JL (4)	8"	+6'-7"	2ND	HUNG FROM STEEL ABOVE 3 HANGERS
HL-2	5x3½x5/16 5x3½x5/16	15'-10"	JL	8"	+7'-6"	285'-6"	HUNG FROM STEEL ABOVE 4 HANGERS
HL-3	6x3½x5/16 5x3½x5/16	17'-10"	JL	8"	+7'-6"	285'-6"	HUNG FROM STEEL ABOVE 4 HANGERS
HL-4	5x3½x5/16 5x3½x5/16	19'-10"	JL	8"	+7'-6"	285'-6"	HUNG FROM STEEL ABOVE 5 HANGERS
HL-5	5x3½x5/16 5x3½x5/16	4'-10"	JL	8"	+5'-0"	285'-6"	HUNG FROM STEEL ABOVE 2 HANGERS (4)
HL-6	5x3½x5/16 5x3½x5/16 (4)	19'-4"	JL	8"	+7'-6"	285'-6"	HUNG FROM STEEL ABOVE 5 HANGERS
HL-7	5x3½x5/16 5x3½x5/16		JL	8"			HUNG FROM HANGERS (3)
HL-8	5x3½x5/16 5x3½x5/16	(3)	JL	8"			HUNG FROM HANGERS
HL-9	5x3½x5/16 5x3½x5/16		JL	8"			HUNG FROM HANGERS
HL-10	5x3½x5/16 5x3½x5/16		JL	8"			HUNG FROM HANGERS
HL-11	5x3½x5/16 5x3½x5/16		JL	8"			HUNG FROM HANGERS
HL-12	5x3½x5/16 5x3½x5/16		JL	8"			HUNG FROM HANGERS

LOOSE LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECT.	WALL THICK.	FLOOR
(4) L-1	5x5x5/16 4x3½x5/16	5'-6"	JL	4 & 6"	332'-0" SEE DET. M-117
L-3	5x3½x5/16 5x3½x5/16	4'-10"	JL	8"	289'-6" & 310'-0"
L-4	5x3½x5/16 5x3½x5/16	6'-2"	JL	8"	310'-0" CLIP TO COL
L-5	5x3½x5/16 5x3½x5/16	4'-4"	JL	8"	9TH FLOOR
L-6	5x3½x5/16 5x5x5/16	VARIES SEE PLAN	3½ JL	8" & 10"	(4) MEZZANINE & 350'-0" LEVELS

RECEIVED
OCT 23 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
PARK AVE. N.Y.

CONTRACT. BID DRAWING date 11-27-73

NO.	DATE	BUL. NO.	BY
4	10-17-75	F-13	L.J.
3	4-29-75	F-1	L.J.
2	12-18-74	REV. #2	C.G.
1	12-19-73	ADD. #1	W.W.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT RICHARD ROTH STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

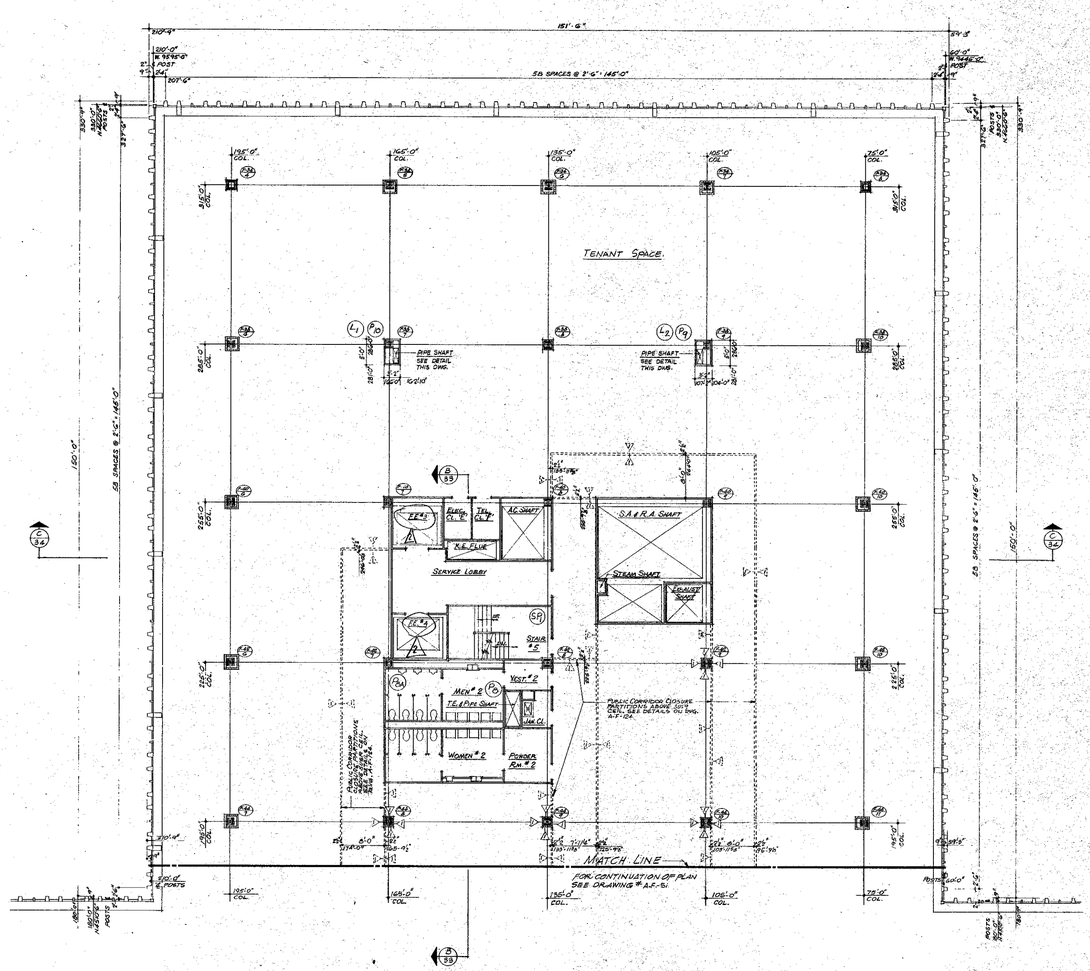
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING DOOR BUCK DETAILS, ELEVATOR SHAFT DOOR FRAME DETAILS, DOOR SCHEDULE & LINTELS

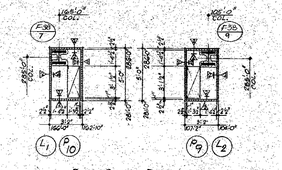
DRAWN: | CHECKED:
SCALE: AS NOTED | DATE: 11-15-73
PROJECT NUMBER: | SHEET OF
DRAWING NUMBER: A-25



NORTH

NOTES:

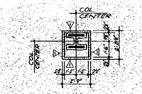
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE/SCHEDULE OF DRAWINGS SEE DRAWING # A-F-1 TO A-F-5
2. FOR COMPLETE 1/8" SCALE CORE PLAN, SEE DRAWING # A-F-53
3. ALL ELEVATIONS SHOWN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-F-150
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A-F-101
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAIL DRAWING A-F-104
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWG.# A-F-55. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
11. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREESTANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DWG. # A-F-104
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES, FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.



PIPE SHAFT DETAILS

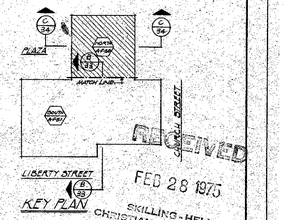
SCALE 1/8" = 1'-0"

SLAB OVER PIPE SHAFTS BEFORE PIPES ARE IN PLACE.



DETAIL OF TYPICAL PERIPHERAL COLUMN ENCLOSURE

SCALE 4" = 1'-0"



RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON

1/8"=1'-0"

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BUL. NO.	BY
6	7-19-74	REVISED		LH
7	12-19-74	ADDED		LH

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

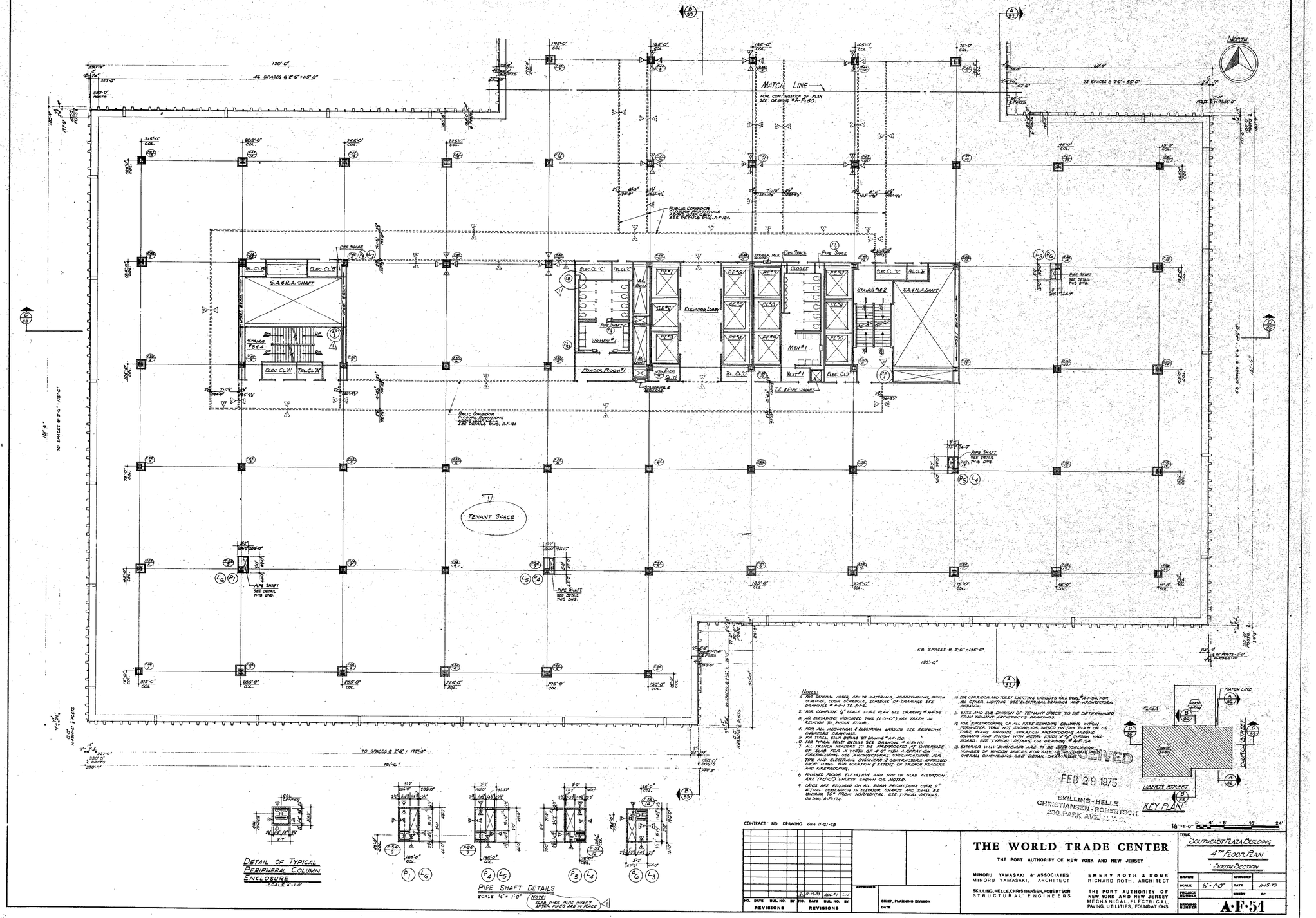
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: S.E.C.
SOUTHEAST PLAZA BUILDING
4TH FLOOR PLAN
NORTH SECTION

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-50		



DETAIL OF TYPICAL PERIPHERAL COLUMN ENCLOSURE
SCALE 1"=1'-0"

PIPE SHAFT DETAILS
SCALE 1/8" = 1'-0"

NOTE: SLAB OVER PIPE SHAFT AFTER PIPES ARE IN PLACE

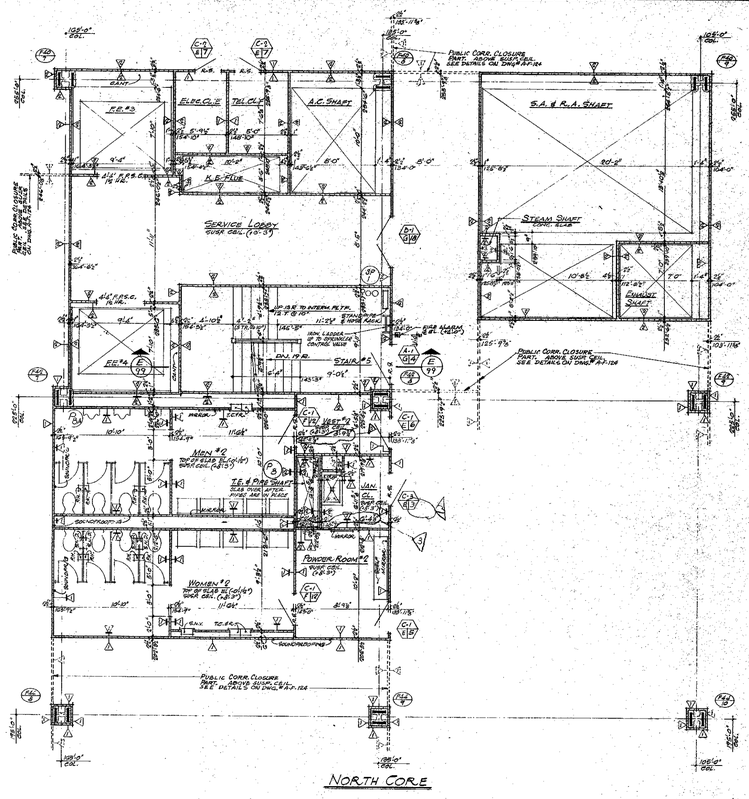
Notes:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS SEE DRAWINGS # A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING # A-F-52
3. ALL ELEVATIONS INDICATED THUS (E.0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A-F-101.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A CERAMIC FIREPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (E.0'-0") UNLESS SHOWN OR NOTED.
9. CAPS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 76" FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG. A-F-124.
10. SEE CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWG. # A-F-54, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
11. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALL-BOARD. SEE TYPICAL DETAILS ON DRAWING # A-F-124
13. EXTERIOR WALL DIMENSIONS ARE TO BE CENTER-LINE OF NUMBER OF WINDOW SPACES. FOR SIZE OF WINDOWS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.

RECEIVED
FEB 28 1975

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY



NORTH

NOTES:

1- FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF GLAZINGS, SEE DWG. A-A-F-1 TO A-F-5

2- FOR COMPLETE 1/8" SCALE FLOOR PLANS, SEE DWGS. PLAN 20 & A-F-21

3- ALL ELEVATIONS GIVEN THUS (100) ARE GIVEN IN RELATION TO FINISH FLOOR.

4- FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.

5- FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWG. M-A-F-100.

6- FOR TYPICAL TOILET DETAILS SEE DRAWING # A-F-101

7- ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'-0" WITH A "SPRAY-ON" TYPE MATERIAL. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PARTITIONING.

8- FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (100.0) UNLESS OTHERWISE SHOWN OR NOTED.

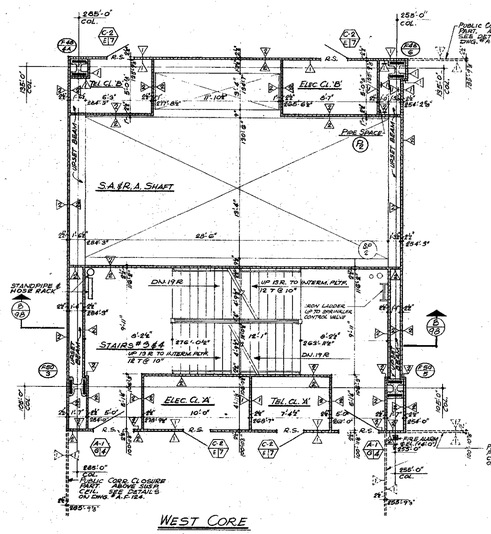
9- CENTS ARE REQUIRED ON ALL BEAM PROJECTIONS (FOR 2" APPLIED DIMENSIONS IN ELEVATION, SHAFTS, AND SHALL BE MINIMUM 28" FROM MEZZANINE). SEE TYPICAL DETAILS DWGS. A-F-124

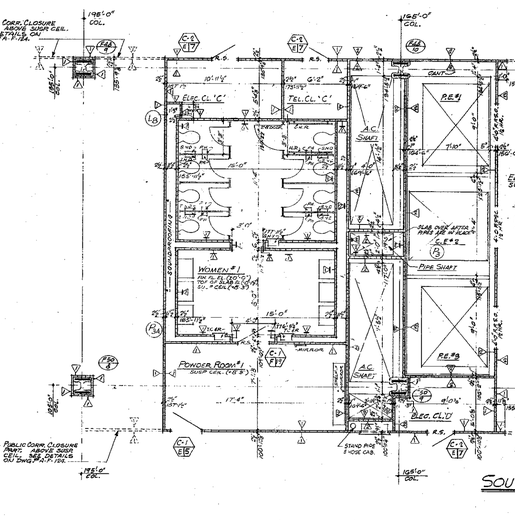
10- FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWGS A-F-23 & A-F-24

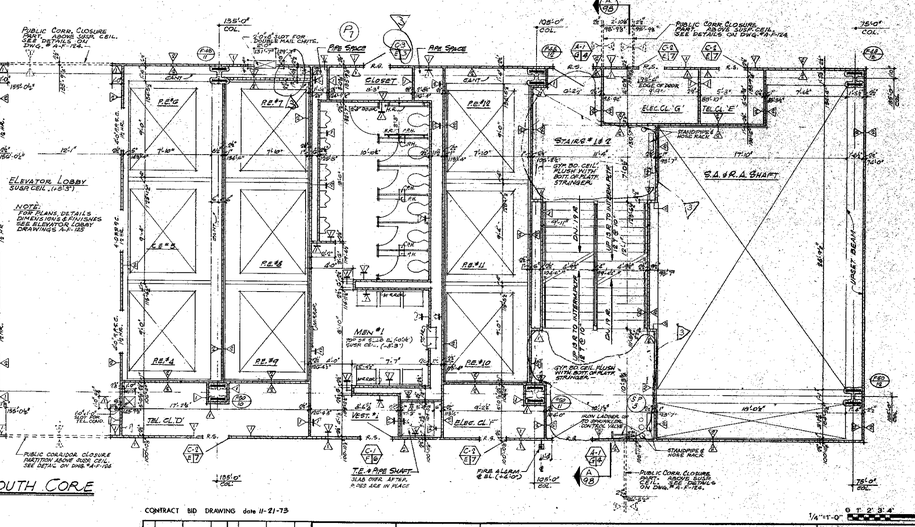
11- EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.

12- FOR PARTITION, BEAM AND SOFFIT FIREPROOFING CONSTRUCTION DETAILS, SEE DRAWING # A-F-124

13- WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT +9'-1" TO PROVIDE FOR FUTURE CEILING INSTALLATION.







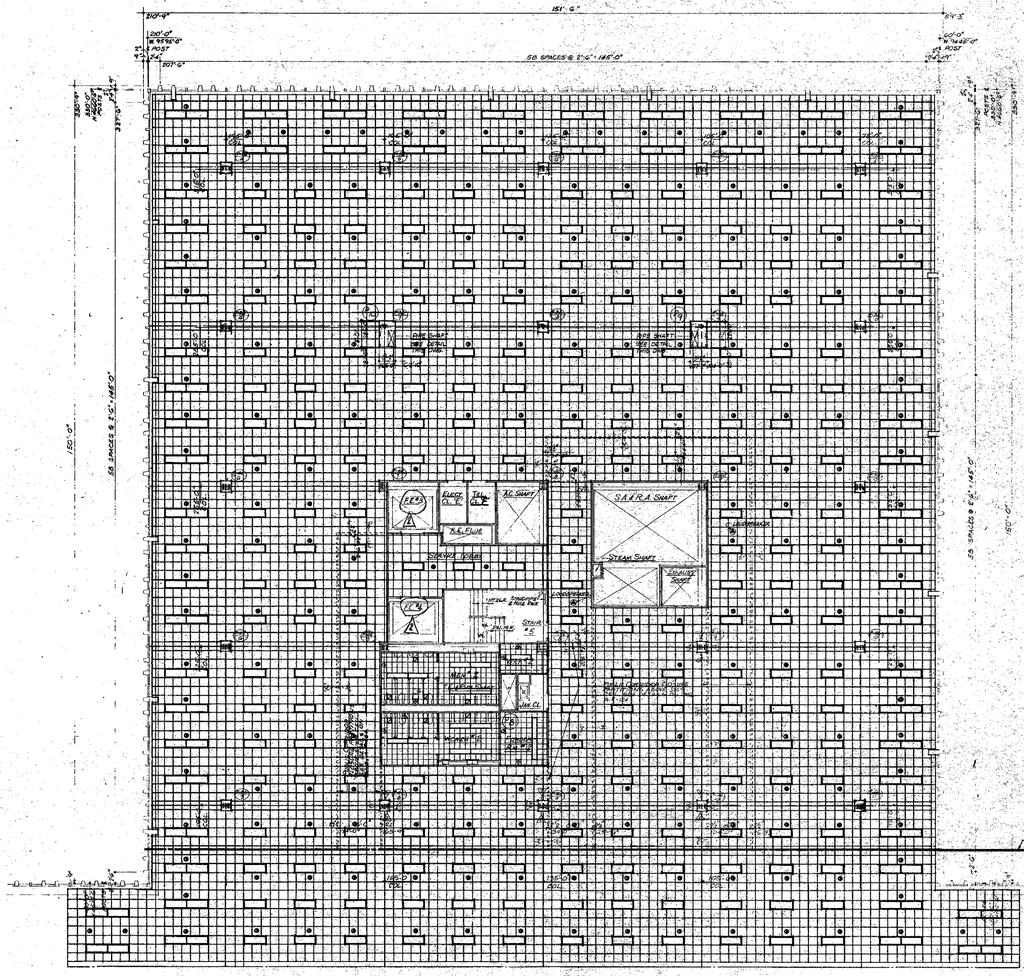
CONTRACT BID DRAWING date 11-21-73

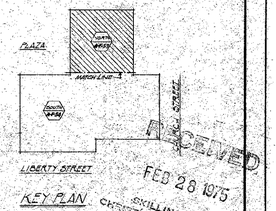
1/16"=1'-0" 0" 1' 2' 3' 4' 8' 12'

NO.	DATE	SUB. NO.	BY

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS, SEE DRAWING "A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING "A-F-52
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
4. SUITE & SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
5. PARTITION WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR PARTITIONS ABOVE SUSP. CEILING SEE DRAWING A-F-60
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.





APPROVED
FEB 28 1975

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
2	7-17-74	KEY PLAN	J.H.
1	11-19-73	ADD'T'L	J.H.

NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

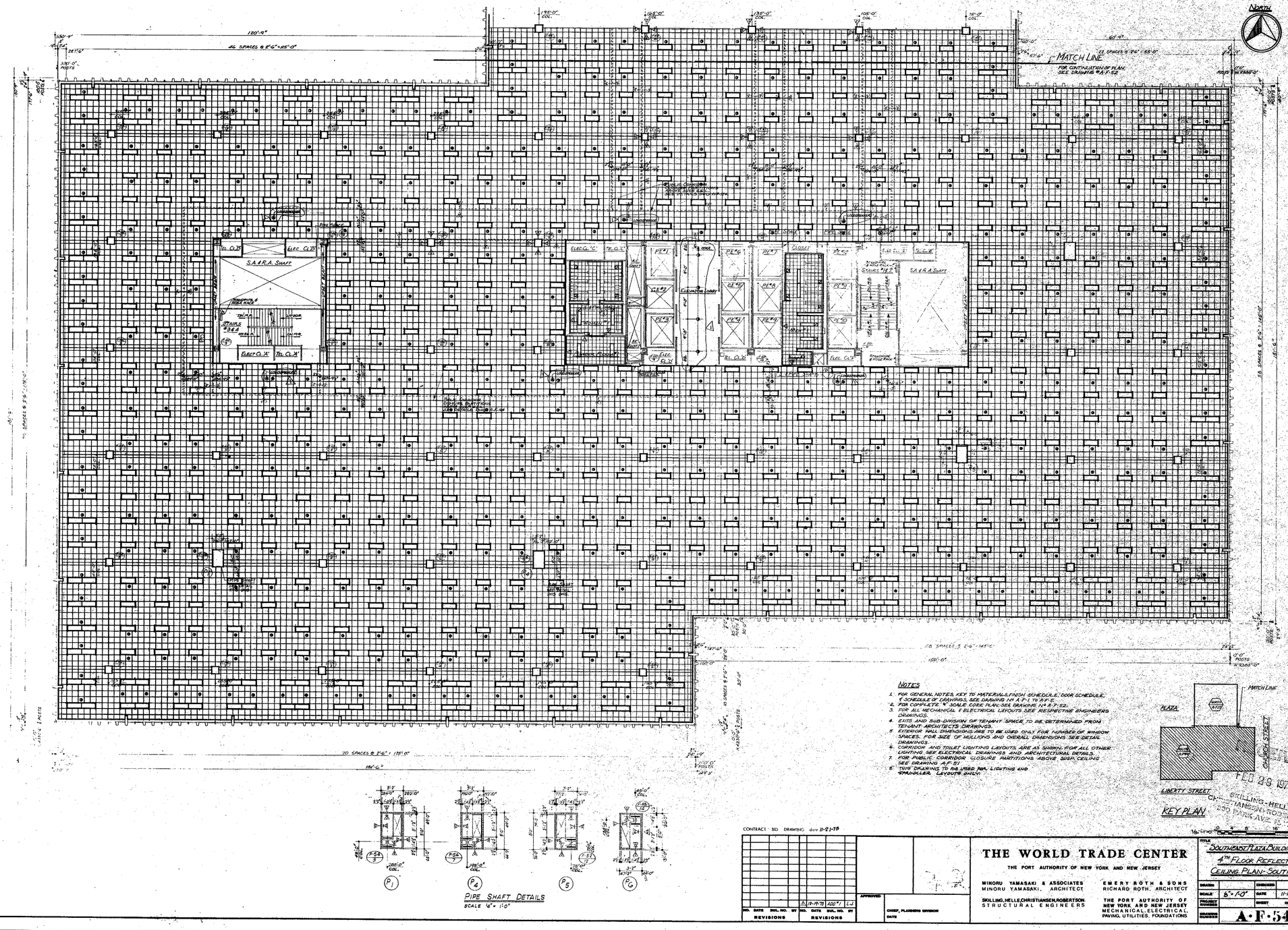
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

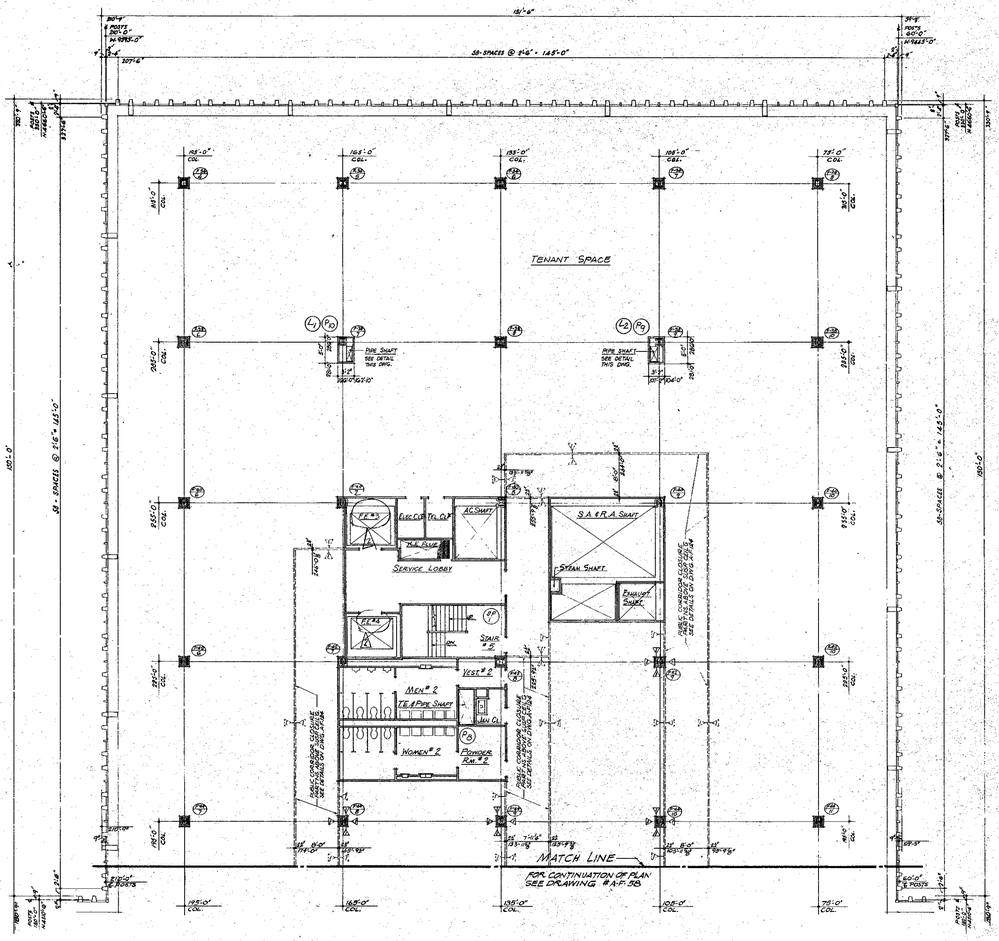
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
4TH FLOOR REFLECTED CEILING PLAN - NORTH

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-53		

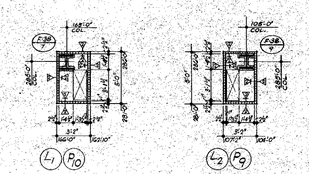

NORTH
MATCH LINE
FOR CONTINUATION OF PLAN SEE DRAWING No A.F.52
S.A.R.A. SHAFT
ELEC. CLS'B'
ELEC. CLS'A'
TEL. CLS'B'
TEL. CLS'A'
STAIRS #3 & 4
ELEVATOR LOBBY
CLOSET
STAIRS #1 & 2
ELEC. CLS'C'
TEL. CLS'C'
ELEC. CLS'D'
TEL. CLS'D'
PIPE SHAFT
LAW SHAFT
SEE DETAIL
DWG. SHAFT
SEE DETAIL
DWG. SHAFT
SEE DETAIL
DWG. SHAFT
SEE DETAIL
DWG.
46 SPACES @ 8'-6" = 391'-0"
70 SPACES @ 8'-6" = 595'-0"
70 SPACES @ 8'-6" = 595'-0"
28 SPACES @ 8'-6" = 238'-0"
22 SPACES @ 8'-6" = 187'-0"
20 SPACES @ 8'-6" = 170'-0"
10 SPACES @ 8'-6" = 85'-0"
120'-9"
60'-9"
100'-0"
191'-6"
330'-9"
337'-0"
POSTS
42'-0"
POSTS
@ 96'-8"
42'-0"
POSTS
@ 96'-8"
42'-0"
POSTS
@ 96'-8"

NORTH



Notes

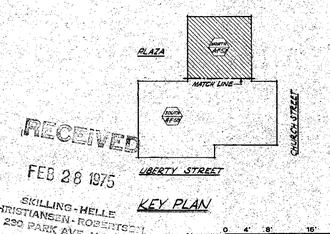
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS SEE DRAWING #A-F-10 & A-F-11
2. FOR COMPLETE 1" SCALE CORE PLAN SEE DRAWING #A-F-6.3
3. ALL ELEVATIONS SHOWN THUS (0.0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DWG.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING #A-F-100.
6. FOR TYPICAL TOILET DETAILS, SEE DRAWING #A-F-101
7. ALL TRENCH HEADERS TO BE PREPROTECTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0.0-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAIL DRAWING A-F-124.
10. FOR CORRIDOR & TOILET PARTITIONS SEE DWG. #A-E.6A.1 FOR ALL OTHER PARTITIONS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
11. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT'S ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR CORE PLAN, REFER TO FIREPROOFING ABOVE COLUMNS AND FINISH WITH METAL STUDS 1 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING #A-F-124.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVER-ALL DIMENSIONS SEE DETAIL DRAWINGS.



PIPE SHAFT DETAILS

SCALE 1/4" = 1'-0"

NOTE:
READ PIPE SHAFT #'TEA
PLANS AND PLACE



KEY PLAN

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
290 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
△1	7-17-74	ADD'N	I.A.
△2	12-19-75	ADD'N	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
5TH FLOOR PLAN
NORTH SECTION

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-57		

NORTH

MATCH LINE
FOR CONTINUATION OF PLAN
SEE DRAWING # A-F1.57

S.A.R.A. SHAFT
ELEC. CL. B
TEL CL. B
PIPE SPACE
ELEC. CL. A
TEL CL. A
ELEC. CL. C
TEL CL. C
ELEVATOR LOBBY
WOMEN #1
MEN #1
POWDER ROOM
ELEC. CL. D
TEL CL. D
TE & PIPE SHAFT
ELEC. CL. F
TEL CL. F
S.A.R.A. SHAFT
PIPE SHAFT
SEE DETAIL THIS DRG.
PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSPENDED CEILING. SEE DETAILS ON DRAWG. A-F.124
TENANT SPACE
TO SPACES @ 9'-5" = 175'-0"
181'-6"

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SYMBOLS OF DRAWINGS, SEE DRAWINGS "A-F.1 TO A-F.5
2. FOR COMPLETE 5TH SCALE CORE PLAN SEE DRAWING # A-F.57
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS, SEE DRAWING # A-F.100
6. FOR TYPICAL TOILET DETAILS SEE DRAWINGS "A-F.101
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0 WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CAMTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS ON DRG. "A-F.134
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS, SEE DRG. "A-T.61. FOR ALL OTHER LIGHTING, SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
11. CUTS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS. PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & ½" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWINGS "A-F.124.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES, FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS, SEE DETAIL DRAWINGS.

PIPE SHAFT DETAILS
SCALE 1/4" = 1'-0"

NOTE: SEAL PIPE SHAFT AFTER PIPES ARE PLACED

PLAZA
SIXTH LINE
FIFTH LINE
CHURCH STREET
LIBERTY STREET

KEY PLAN

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
				1	12-19-73	400-1	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

RECEIVED
FEB 28 1975

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

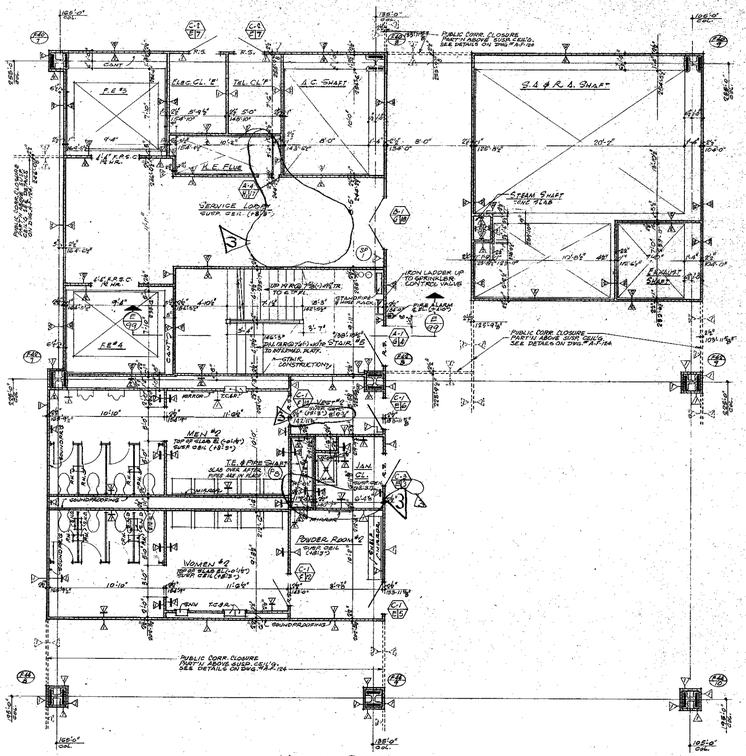
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
5TH FLOOR PLAN
SOUTH SECTION

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F.56		



RECEIVED
OCT 23 1975
SKILLING - HELLE CHRISTIANSEN - ROBERTSON 230 PARK AVE. N.Y.C.

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS, SEE DWG. A.P.-1.
2. FOR COMPLETE 8th SCALE PLANS, SEE DWGS. A.P.-2, 3, 4 & A.P.-5, 6.
3. ALL ELEVATIONS GIVEN THUS (8'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND TREADS SEE DWG. A.P.-10.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A.P.-10.
7. ALL TRENCH HEADERS TO BE RELOCATED AT LOCATIONS OF SLABS FOR A WIDTH OF 6'-0" WITH A "SPRAY ON" TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR, ELEVATION AND TOP OF SLAB ELEVATION ARE (8'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CAMFS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSIONS IN ELEVATOR SHAFTS AND WALLS AT MINIMUM 78° FROM HORIZONTAL. SEE TYPICAL DETAIL DWG. A.P.-16.
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE 8th SCALE PLANS.
11. EXITS AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM ARCHITECTS DRAWINGS.
12. FOR PARTITION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING A.P.-1.14.
13. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, STAIR, PASSAGES, ETC. PARTITION ELEVATION SHALL BE GIVEN AND DUCTWORK, WALLS SHALL BE MAINTAINED AT SUCH HTS. TO PROVIDE FOR FUTURE CEILING INSTALLATION.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
3	10-17-75	W-18	J.K.
2	7-17-74	REVISED	J.H.
1	12-19-73	ADDIT.	L.L.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 4' 8' 12' 16' 32'

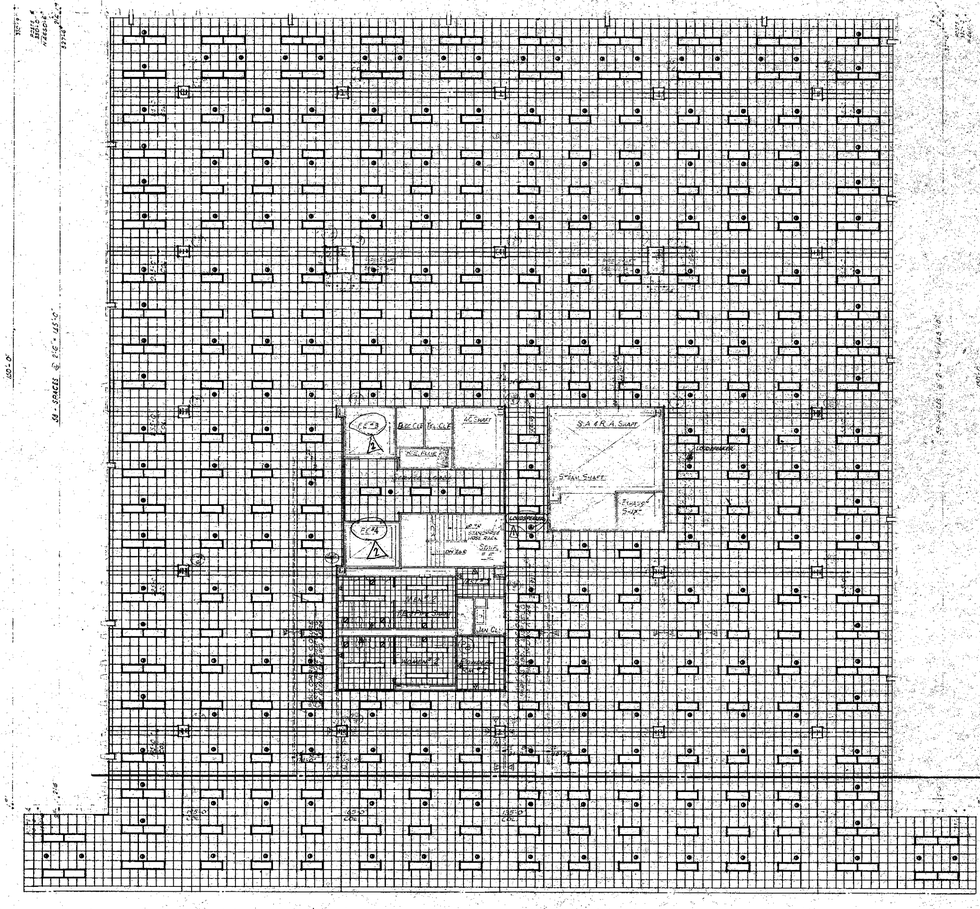
TITLE: SOUTHEAST PLAZA BUILDING
5TH FLOOR CORE PLAN
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A.P.-59		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS - SEE DRAWING # A-F-1 TO A-F-9
2. FOR COMPLETE 1/8" SCALE CORE PLAN - SEE DRAWING # A-F-59
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. EXITS & SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW UNITS, FOR SIZE OF MULLIONS & SPANDREL DIMENSIONS, SEE DETAIL DRAWINGS.
6. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR PARTITIONS ABOVE SUSP. CEILING SEE DRAWING # A-F-57
8. THIS DRAWING TO BE USED FOR LIGHTING & SPRINKLER LAYOUT ONLY.


MATCH LINE
FOR CONTINUATION OF PLAN
SEE DRAWING A-F-61
SEE DRAWING A-F-61
SEE DRAWING A-F-61

NORTH

MATCH LINE
FOR CONTINUATION OF PLAN
SEE DRAWING A-F-60

S.A.F.R.A. SHAFT

ELEVATOR LOBBY

STAIRS 11 & 2

TEL. CL. B

ELEC. CL. B

ELEC. CL. C

TEL. CL. C

ELEC. CL. A

TEL. CL. A

ELEC. CL. D

TEL. CL. D

ELEC. CL. E

TEL. CL. E

ELEC. CL. F

TEL. CL. F

ELEC. CL. G

TEL. CL. G

CLOSET

DEMO

CL. E.

CL. F.

CL. G.

DN. SLR.

UP SLR.

LOUNGE

TOILET

TOILET ROOM

SHAFT

PLAZA

MATCH LINE

LIBERTY STREET

CHURCH STREET

KEY PLAN

RECEIVED
FEB 28 1973
SKILLING HELLE CHRISTIANSEN ROBERTSON

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE, & SCHEDULE OF DRAWINGS, SEE DRAWING # A-F-1 TO A-F-9
2. FOR COMPLETE 1/4" SCALE CORE PLAN, SEE DRAWING # A-F-59
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEER DRAWINGS.
4. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF MULLIONS. SEE ELEVATIONS FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAIL.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITION ABOVE SUSP. CEILING SEE DRAWING # A-F-59
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

DIPE SHAFT DETAILS

SCALE 1/4" = 1'-0"

P1 P4 P5 P6

CONTRACT SD DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	12-19-73	400-1	L.J.
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

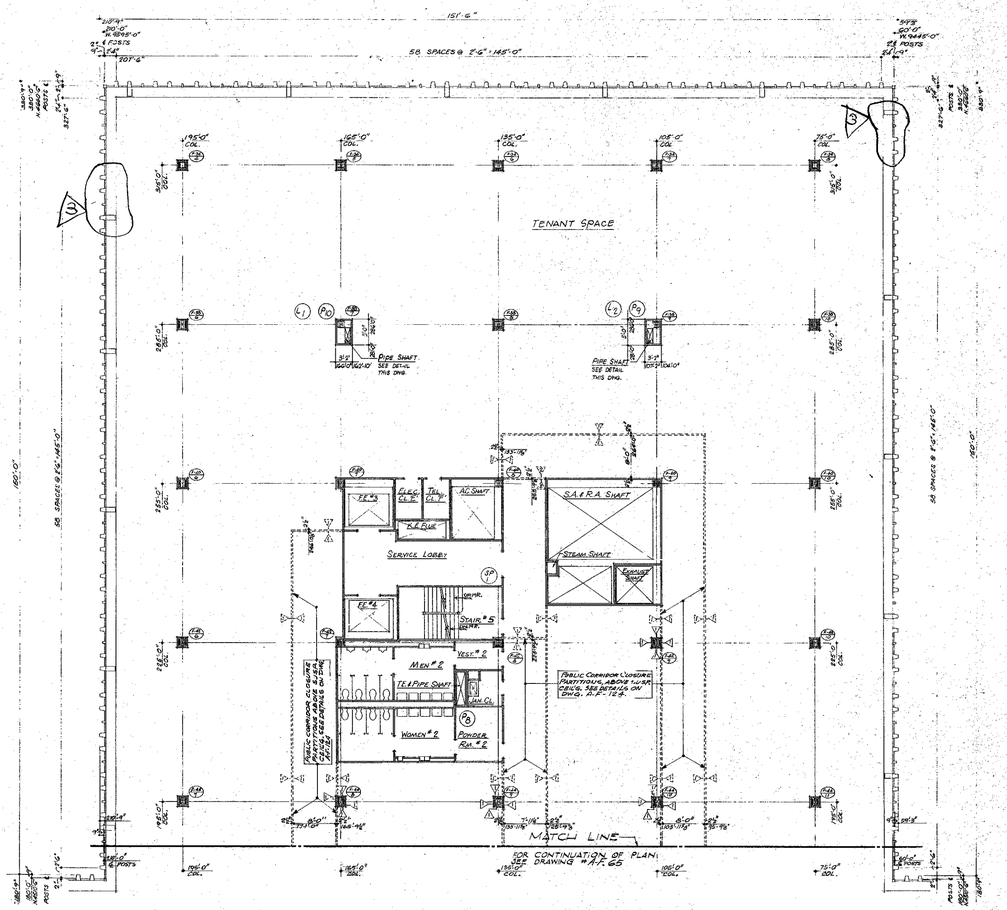
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
5TH FLOOR REFLECTED CEILING PLAN - SOUTH

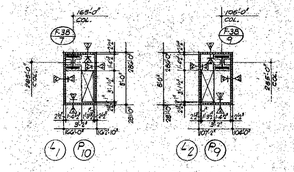
DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-61		



NORTH

Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE OR SYMBOLS, SEE DRAWING #A.F.-51 TO A.F.-56
2. FOR COMPLETE 4" SCALE CORE PLAN SEE DRAWING #A.F.-66
3. ALL ELEVATIONS SHOWN THUS (10'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING #A.F.-100
6. FOR TYPICAL TOILET PARTITIONS SEE DRAWING #A.F.-102
7. ALL PARTITIONS ON CORE FLOOR TO BE FURRED 1" CLEAR OF SLAB FROM FINISH FLOOR TO 9'-0" WITH 5/8" GYPSUM WALLBOARD. SEE ARCHITECTURAL SPECIFICATIONS. ALL TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF FURRING HORIZONTAL AND VERTICAL.
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CAPS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 78" FROM HORIZONTAL SEE TYPICAL DETAIL DRAWING A.F.-124
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWG. #A.F.-67; FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWING AND ARCHITECTURAL DETAILS.
11. EXITS AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS, PROVIDE SPRAY-ON FIREPROOFING BEHIND CABINETS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING #A.F.-124
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVER ALL DIMENSIONS SEE DETAIL DRAWINGS.



PIPE SHAFT DETAILS

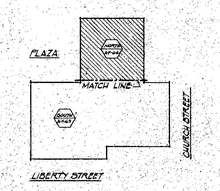
SCALE 1/4" = 1'-0"

NOTE:
SEAL OVER PIPE SHAFT AFTER PIPES ARE PLACE

RECEIVED

OCT 23 1975

SKILLING-HELLE CHRISTIANSEN-ROBERTSON 230 PARK AVE. N.Y.C.



KEY PLAN

0 4' 8' 16' 24'

CONTRACT BID DRAWINGS dated 11-21-75

NO.	DATE	SUB. NO.	BY	REVISIONS
3	10-17-75	F-13	J.K.	
2	7-17-74	REV #1	L.H.	
1	12-19-73	ADD #1	C.L.	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

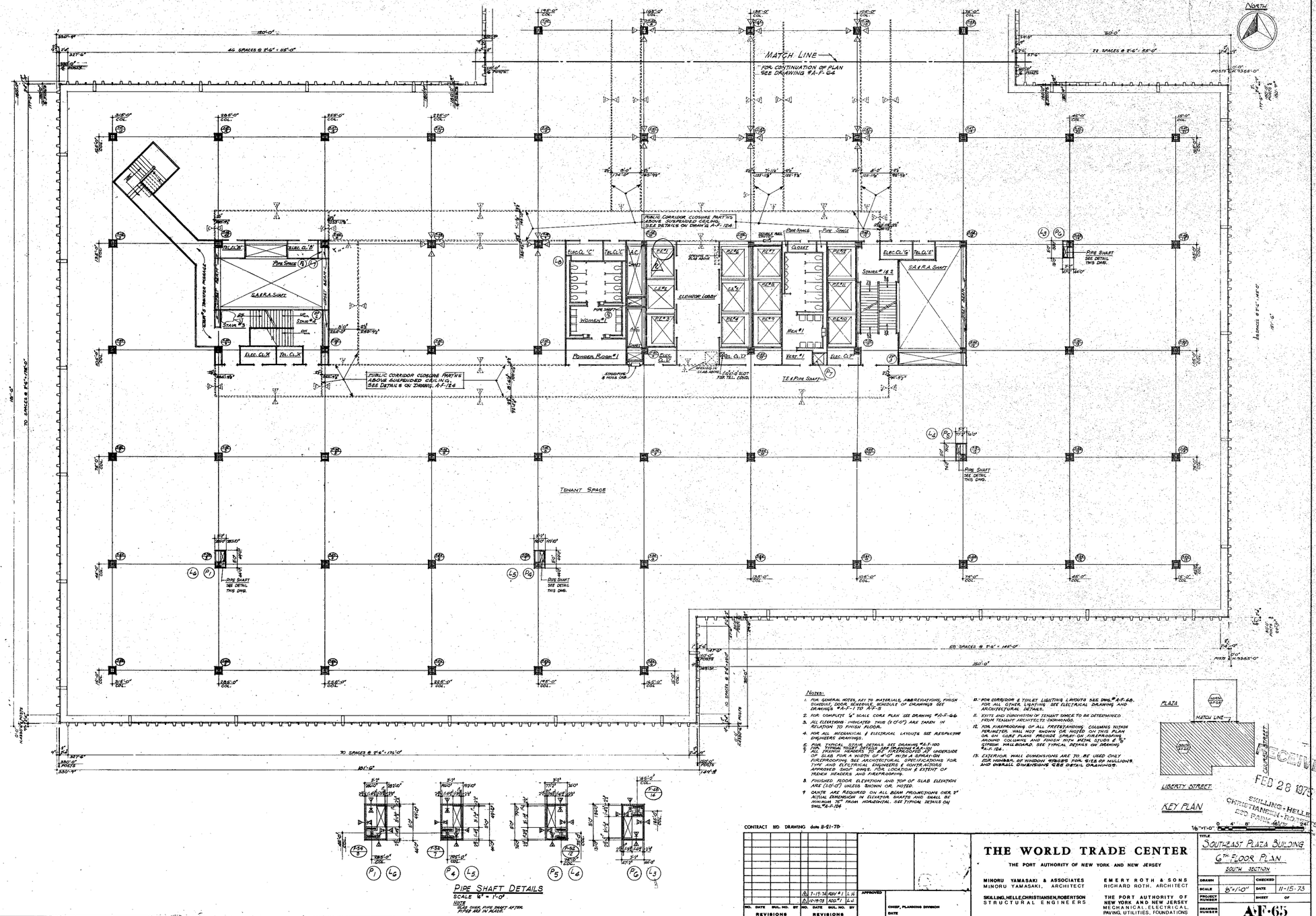
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR PLAN
NORTH SECTION

DRAWN	CHECKED
SCALE 1/8"-1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A.F-64



Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS SEE DRAWINGS #A-F-1 TO A-F-5
2. FOR COMPLETE 1/4" SCALE CORE PLAN SEE DRAWING #A-F-G6
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL CEILING DETAILS, SEE DRAWING #A-F-100 FOR TYPICAL TOILET DETAILS SEE DRAWINGS #A-F-101 ALL EXPOSED MEMBERS TO BE SPRAYED WITH UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR STRUCTURAL AND ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FLOORDUCTS
6. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS SHOWN OR NOTED.
7. GRATE ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 2" FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG. #A-F-126
8. FOR CORRIDOR & TOILET LIGHTING LAYOUTS SEE DWG. #A-F-56. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWING AND ARCHITECTURAL DETAILS.
9. EXITS AND DISPOSITION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
10. FOR FIREPROOFING OF ALL FREESTANDING COLUMNS WITHIN PERIMETER, WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS PROVIDE SPRAY ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING #A-F-126.
11. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW PIECES PER SIZE OF MULLIONS, AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.

CONTRACT 81D DRAWING date 8-21-75

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
1	7-19-74	ADD'L #1	L.H.
2	11-19-73	ADD'L	L.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

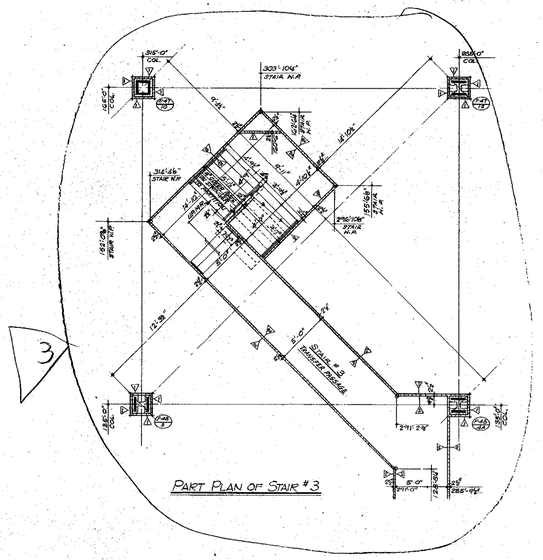
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR PLAN
SOUTH SECTION

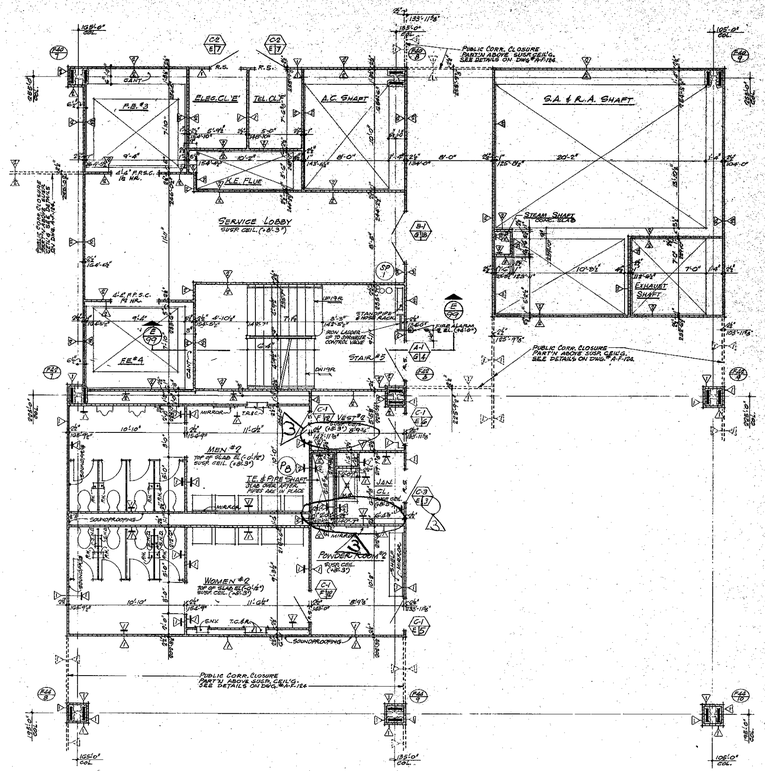
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-65		

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
EDD PARK

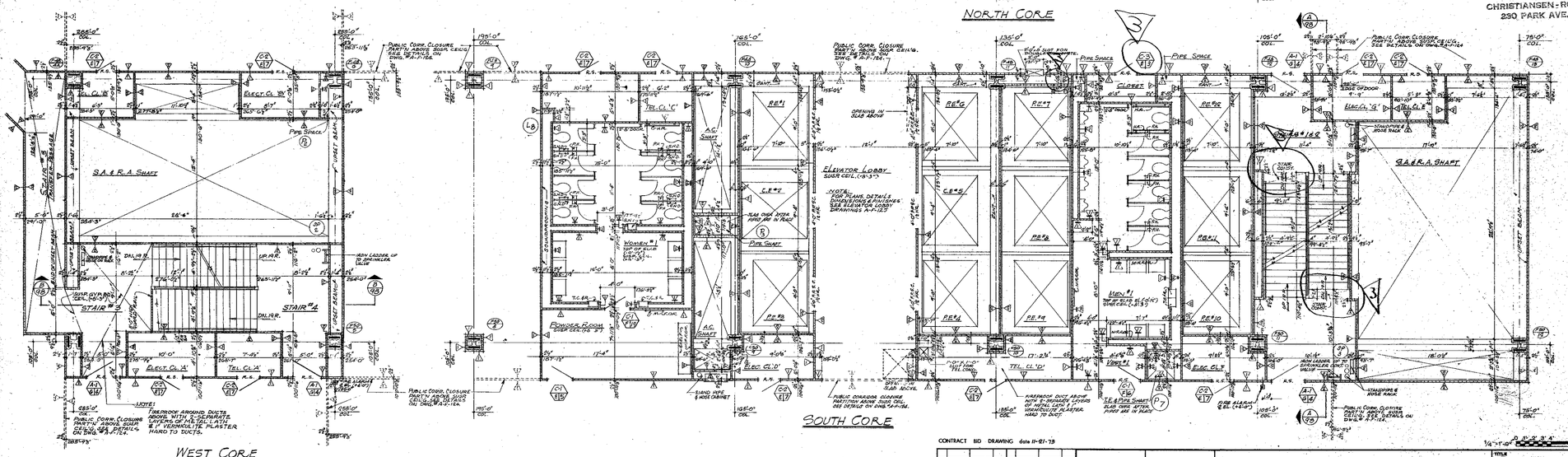


PART PLAN OF STAIR # 3

WEST CORE



NORTH CORE



SOUTH CORE

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DWGS. A-P-1 TO A-P-5.
2. FOR CONCRETE & SCALE MARK, PLANS SEE DWGS. A-P-64 & A-P-65.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE PROTECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR, DETAILS AND SECTIONS, SEE DWG. # A-P-100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING #A-P-101.
7. ALL TRENCH HEADERS TO BE PREFORMED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A TEMPLATE TYPE PREFORMING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND FABRICATION. ENGINEER AND CONTRACTOR APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PREFORMING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (-0.10") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" ACTUAL DIMENSIONS IN ELEVATION. CANTS AND SOFFITS SHALL BE A MINIMUM 45° FROM HORIZONTAL. SEE TYPICAL DETAIL DWG. # A-P-124
10. FOR EMERGENCY AND TOILET LIGHTING LAYOUTS SEE 'E' SERIES PLANS.
11. EXITS AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM ARCHITECTS DRAWINGS.
12. FOR PARTITION, BEAM & COLUMN FIREPROOFING & CONSTRUCTION DETAILS SEE DRAWING # A-P-124
13. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SHOP AS IN CLOSETS, STAIR, PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED HIGH ENOUGH TO PROVIDE FOR FUTURE CEILING INSTALLATION.

RECEIVED
OCT 23 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	BUL. NO.	BY
REVISIONS			
6	10-17-75	F-15	J.K.
5	7-7-75		J.K.
4	11-19-73	ADD'L	J.K.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

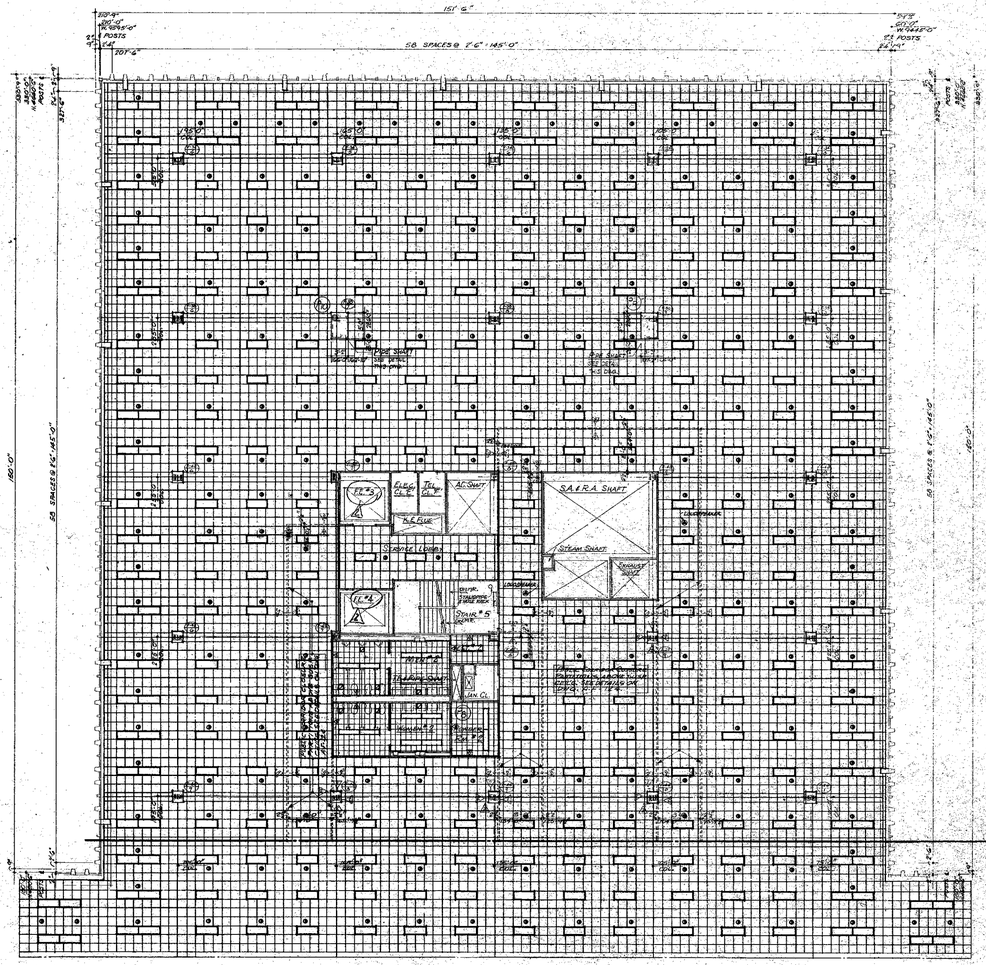
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

1/4"-1'-0" 0 1 2 3 4 8 12

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR, CORE PLAN
OFFICE FLOOR

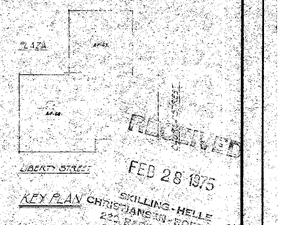
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-P-66		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS SEE DRAWING # A-F-1 TO A-F-5
2. FOR COMPLETE 4" SCALE CORE PLAN SEE DRAWING # A-F-66
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
4. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANTS ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES, FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR & PUBLIC LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR PARTITIONS ABOVE SUSP. CEILING SEE DRAWING A-F-66
8. THIS DRAWING IS TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.



KEY PLAN

RECEIVED
FEB 28 1975
SKILLING-HELLE
CHRISTIANSEN-ROBERTSON

CONTRACT BID DRAWINGS dated 11-21-75

NO.	DATE	REVISIONS	BY
1	12-19-75	ADD #1	L.J.
2	1-7-76	REV #1	I.K.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PWING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR REFLECTED CEILING PLAN - NORTH

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-67		

NORTH

MATCH LINE
FOR CONTINUATION OF PLAN,
SEE DRAWING A-F-67

PLAZA

MATCH LINE

LIBERTY STREET

CHURCH STREET

KEY PLAN

RECEIVED
FEB 28 1975
SKILLING - HELLE -
CHRISTIANSEN -

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE, LEGEND OF DRAWINGS, SEE DRAWING A-F-70 AND 71.
2. FOR COMPLETE 6' SCALE CORE PLAN, SEE DRAWING A-F-66.
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS' DRAWINGS.
4. SUITE AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT-ARCHITECTS' DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OFFSET DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSP. CEILING SEE DRAWING A-F-71.
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

CONTRACT BID DRAWING June 11-21-73

NO.	DATE	REVISIONS	BY
1	7-15-74	REVISED	I.H.
2	12-19-74	ADD'L	I.H.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

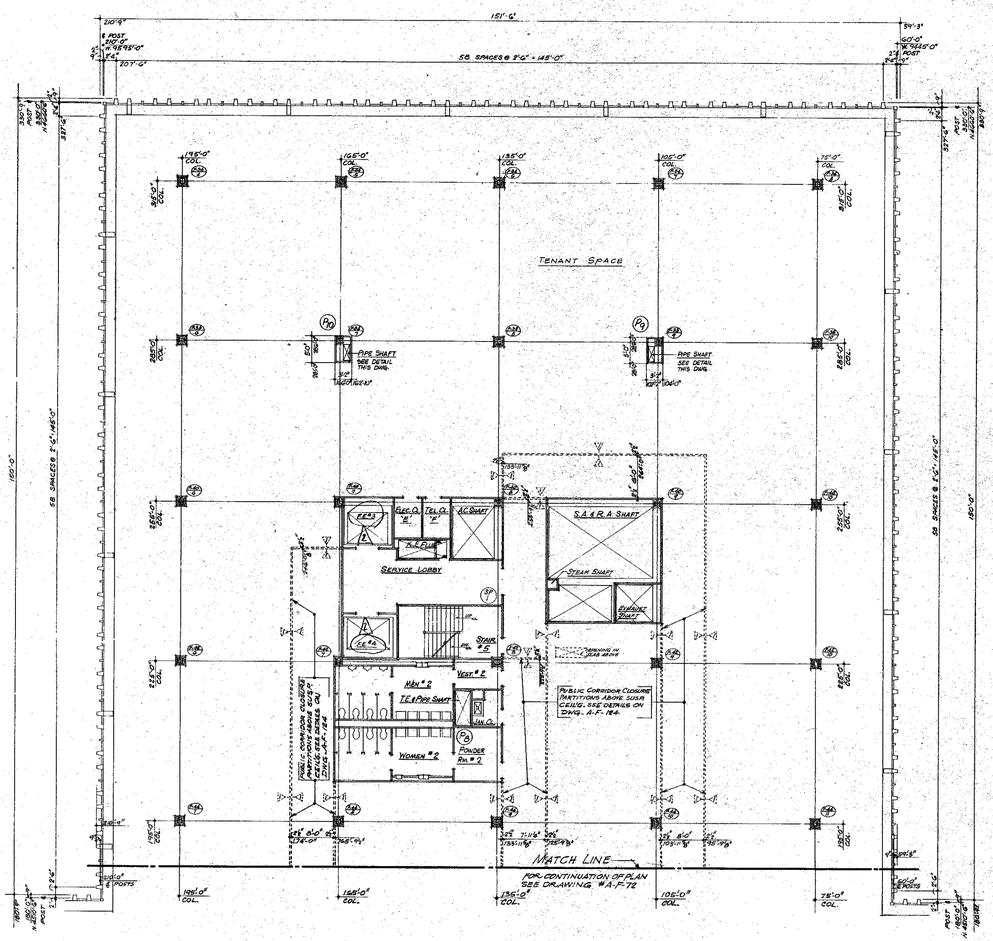
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR REFLECTED CEILING PLAN-SOUTH

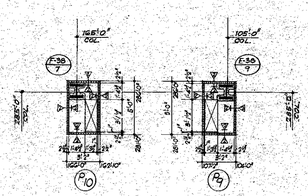
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-68		



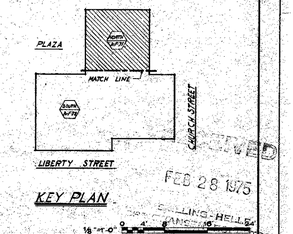
NORTH

NOTES

1. FOR GENERAL NOTES - KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE DOOR SCHEDULE, SCHEDULE OF DRAWINGS, SEE DRAWING #A-F-70 & 72.
2. FOR COMPLETE 1/16" SCALE CORE PLAN SEE DRAWING #A-F-73.
3. ALL ELEVATIONS INDICATED THUS (110'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING #A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DWG #A-F-101.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (6'-0") UNLESS OTHERWISE SHOWN OR NOTED
9. CANTS ARE REQUIRED ON ALL AREA PROJECTIONS OVER 3" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS ON DRAWING #A-F-124.
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWG #A-F-74, FOR ALL OTHER LIGHTING, SEE ELECTRICAL DETAILS AND ARCHITECTURAL DWGS.
11. EXIT AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREESTANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FURR WITH METAL STUDS & 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DWG #A-F-124.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.



PIPE SHAFT DETAILS
SCALE 1/4" = 1'-0"
NOTE:
SLAB OVER PIPE SHAFT AFTER PIPES ARE IN PLACE.



KEY PLAN
1/8"=1'-0"

RECEIVED
FEB 28 1975
SKILLING-HELLE...

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY
1	1-7-74	8(1)	LH
2	11-19-74	8(2)	LH

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

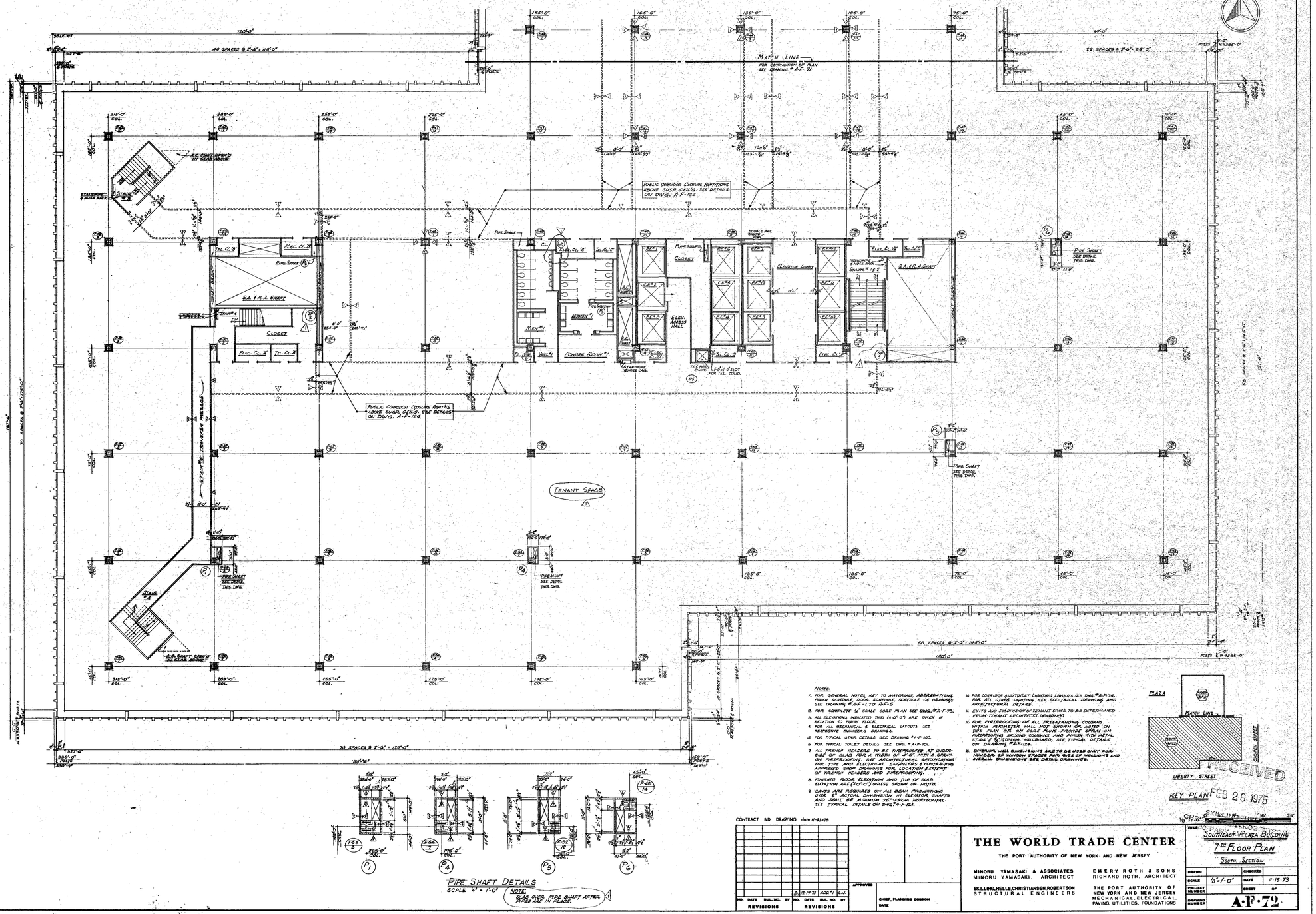
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
7TH FLOOR PLAN
NORTH SECTION

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-71		



Notes:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS SEE DRAWING # A-F-1.1 TO A-F-1.6
2. FOR COMPLETE 1/4" SCALE CORE PLAN SEE DWG. # A-F-73.
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DWG. # A-F-101.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB, FOR A WIDTH OF 4'-0" WITH A SPRAY-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12"-FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG. # A-F-124.
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DWG. # A-F-176. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWING AND ARCHITECTURAL DETAILS.
11. EXITS AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREESTANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS PROVIDE SPRAY-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALLBOARD, SEE TYPICAL DETAILS ON DRAWING # A-F-124.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR MASONRY OR WINDOW WALLS FOR SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
8	12-19-73	ADD'N	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

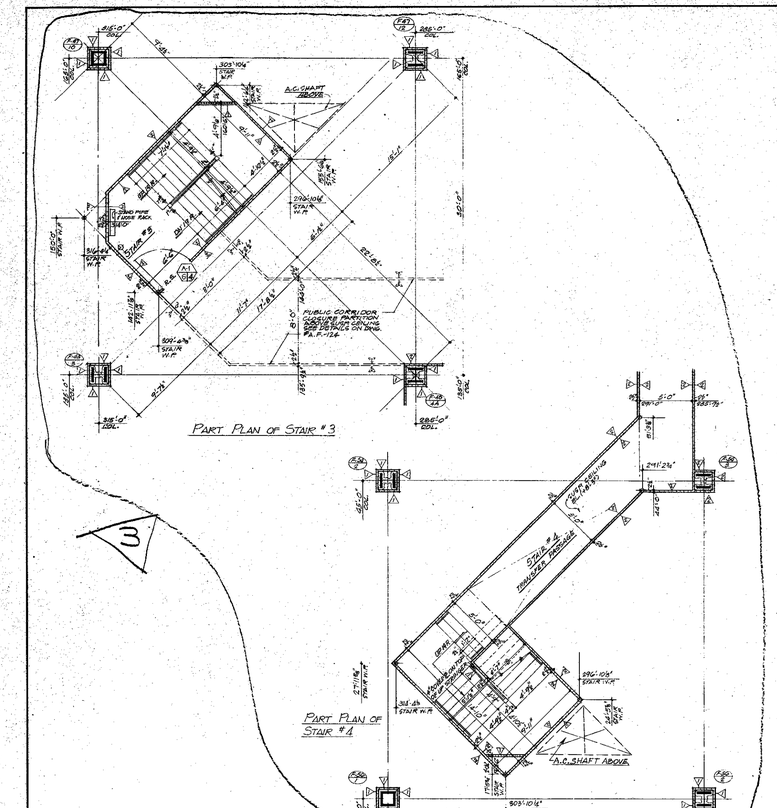
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

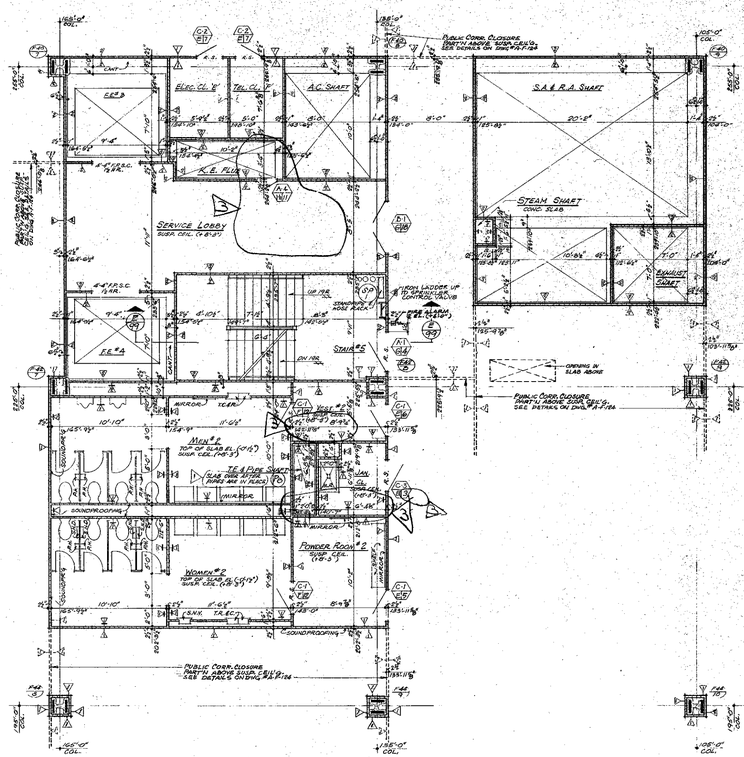
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
7TH FLOOR PLAN
SOUTH SECTION

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-72		





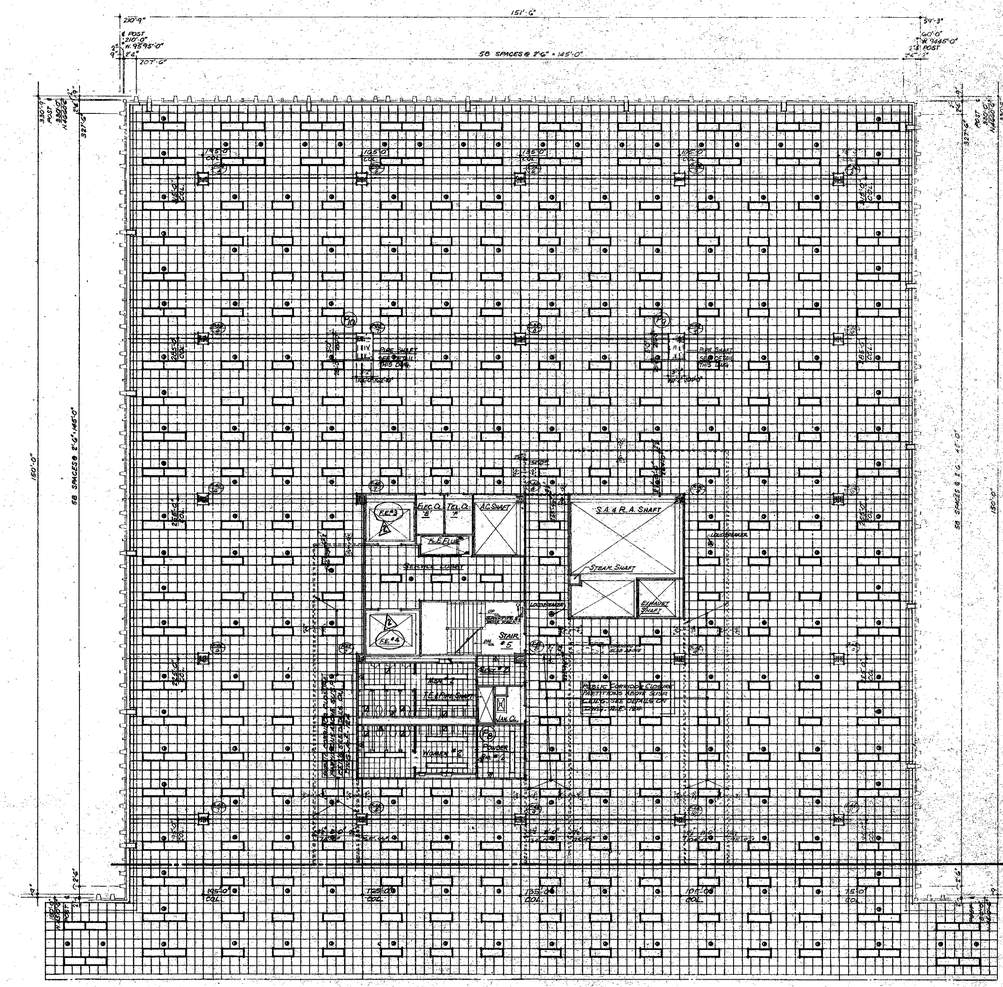
North

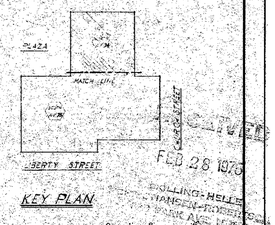
NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DWG. #A-F-1, TO A-F-5.
2. FOR COMPLETE ¼" SCALE FLOOR PLANS SEE DWGS. #A-F-31 & A-F-172.
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWG. #A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DWG. #A-F-101.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A "3M54" OR "TYPE" FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (101'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3" ACTUAL DIMENSIONS, IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAIL DWG. #A-F-124.
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DRAWING #A-F-31 & A-F-172.
11. EXITS AND SUBDIVISION OF TENANT SPACES TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR PROTECTION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING #A-F-124.
13. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PANSHAFTS, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-10" TO PROVIDE FOR FUTURE CEILING INSTALLATION.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE, N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BY





KEY PLAN

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS ABBREVIATIONS FINISH SCHEDULE DOOR SCHEDULE, SCHEDULE OF DRAWINGS, SEE DRAWINGS A-F-1 TO A-F-5.
2. FOR COMPLETE (1/8" SCALE CORE PLAN SEE DRAWING A-F-75.
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. EXITS AND SUBDIVISION OF TENANT SPACE TO BE OBTAINED FROM TENANT ARCHITECTS DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED FOR NUMBER OF WINDOW SPACES PER SIZE OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN FOR ARCHITECTURAL & ELECTRICAL DRAWINGS AND DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSPENDED CEILING SEE DRAWING A-F-71.
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

CONTRACT BID DRAWING date 8-21-73

NO.	DATE	REVISIONS	BY
3	7-19-74	REV #1	L.H.
4	10-19-73	ADD'T	L.J.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
7TH FLOOR REFLECTED CEILING PLAN-NORTH

DRAWN | CHECKED
SCALE 1/8"-1'-0" | DATE 11-1573
PROJECT NUMBER | SHEET OF
DRAWING NUMBER A-F-74

FED 28 1975
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

North

MATCH LINE
FOR CONTINUATION OF PLAN
SEE DRAWING NR A-F-74

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWING NR A-F-1 TO A-F-3.
2. FOR COMPLETE 1/16" SCALE CORE PLAN, SEE DRAWING NR A-F-73.
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBTRADE DRAWINGS.
4. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECT'S DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACING, FOR SIZES OF MULLIONS AND OVERALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS ARE AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR, CLOSURE PARTITIONS ABOVE SUSPENDED CEILING SEE DRAWING A-F-79
8. THESE DRAWINGS TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

PLAZA

MATCH LINE

CHURCH STREET

LIBERTY STREET

KEY PLAN

RECEIVED
FEB 28 1975
SKILLING-HELLE CHRISTIANSEN ROBERTSON

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY

NO.	DATE	REVISIONS	BY
1	11-19-75	ADD'L	C.J.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

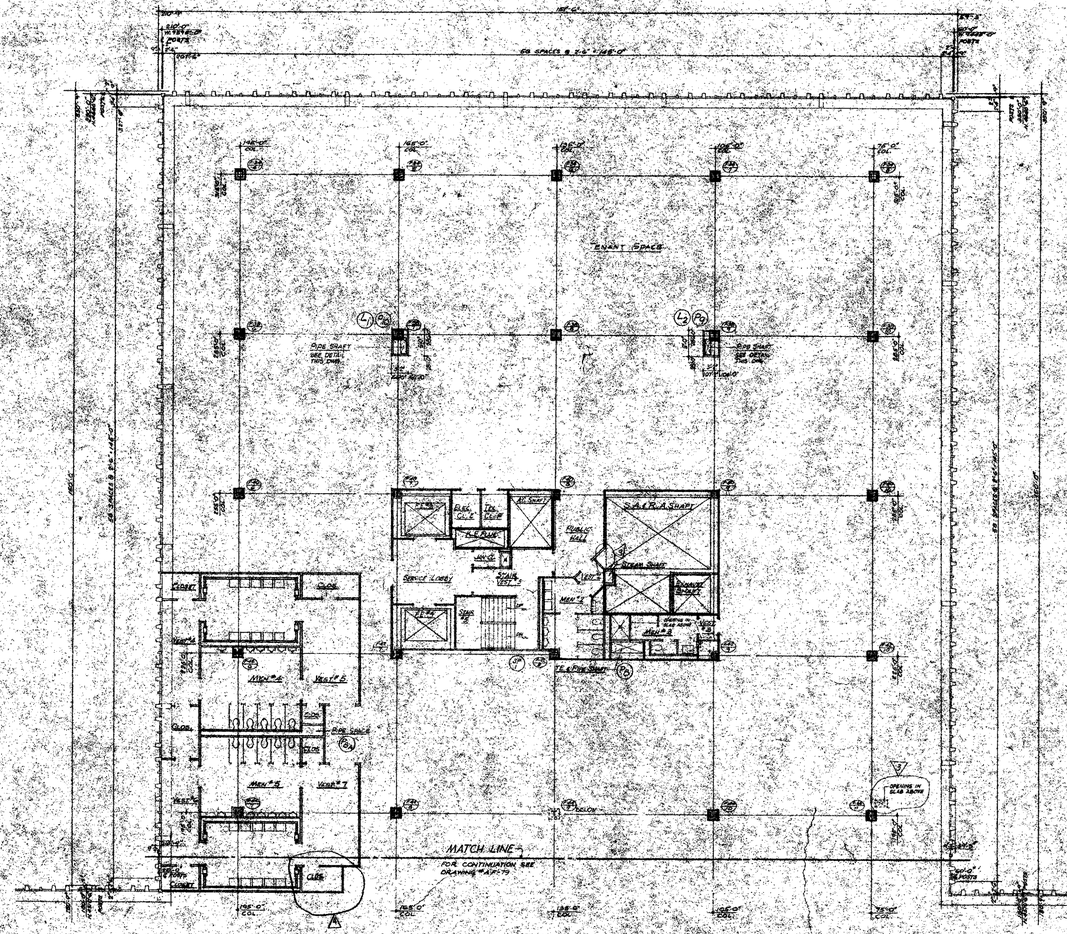
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL
PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
7TH FLOOR REFLECTED CEILING PLAN - SOUTH

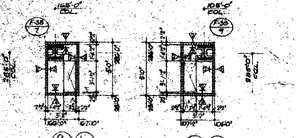
DRAWN	CHECKED
SCALE 1/16"-1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-75



NORTH

Notes:

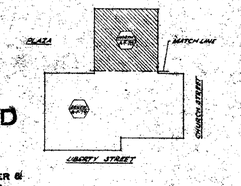
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, SCHEDULE OF DRAWINGS, SEE DRAWINGS A-A-1, TO A-A-5.
2. FOR COMPLETE 4" SCALE CORE PLAN SEE DRAWING #A-F-80.
3. ALL ELEVATIONS INDICATED THUS (8'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING #A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DWG. A-F-101.
7. ALL TRENCH HEADERS TO BE PRESTRESSED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A STRATO-ON FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CAISSONS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 8" ACTUAL DIMENSION IN ELEVATION, SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG. #S.F.-128.
10. FOR CARRIAGE & TOILET LIGHTING LAYOUTS, SEE DWG. #A-F-80. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTS DETAILS.
11. SUITE AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED BY TENANTS ARCHITECTS DRAWINGS.
12. FOR FIREPROOFING OF ALL FREE STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLAN, PROVIDE STRAT-ON FIREPROOFING AROUND COLUMNS AND FINISH WITH METAL STUDS & 5/8" GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING #A-F-128.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES FOR SIZE OF MULLIONS AND SEE ALL DIMENSIONS ON DETAIL DRAWINGS.



PIPE SHAFT DETAILS

SCALE 1/4" = 1'-0"

NOTE:
TO BE CHECK PIPE SHAFT AFTER RISER ARE IN PLACE.



KEY PLAN

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 48th ST., N.Y.C. 10017

CONTRACT NO.	DRAWING	date 9-21-78

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
A	1-15-79	F-45	A.K.
B	3-07-79	F-6	L.J.
C	7-17-79	F-6 (#1)	L.J.
D	11-9-13	400 #1	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
8TH FLOOR PLAN
NORTH SECTION

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	9-15-78
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-78		

NORTH

MATCH LINE
FOR CONTINUATION SEE DRAWING No A-F-78

COMMODITY TRADING FLOOR
7TH FL. ELEV. 1.25'
TOP OF SLAB EL. 100.0

PIPE SHAFT DETAILS
SCALE 6"=1'-0"

NOTE:
SLAB OVER PIPE SHAFT NOTED. PIPES ARE IN PLACE.

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES, P.C.
211 EAST 43rd ST., N.Y.C. 10017

Notes:
1. FOR GENERAL NOTES KEY TO MATERIALS ABBREVIATIONS, FINISH SCHEDULE, FLOOR PLANS OF STAIRS SEE DRAWING No A-F-5.
2. FOR COMPLETE 6" SCALE CORE PLAN SEE DRAWING A-F-10.
3. ALL ELEVATIONS INDICATED THUS (100'0") ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING No A-F-101.
6. ALL TRENCHES INDICATED TO BE PREPOURED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A DEPTH ON SECTION AND ELEVATION AS INDICATED ON ARCHITECTURAL, STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS & CONTRACTORS TO FIELD VERIFY DIMENSIONS AND LOCATION (DEPTH) OF TRENCHES BEFORE ANY EXCAVATION.
7. FINISHED FLOOR ELEVATION (AND TOP OF SLAB ELEVATION (SEE NOTE 6)) UNLESS SHOWN OR NOTED.
8. CUTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9" ACTUAL DIMENSION IN DUCTLESS SHAFTS AND SHALL BE ANYWHERE TO 12" FROM HORIZONTAL. SEE TYPICAL DETAILS ON DWG No A-F-104.
9. FOR CORRIDOR & TOILET LIGHTING LAYOUTS SEE DWG No E-8A. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
10. FINISH AND SUBDIVISION OF "TENANT SPACES TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
11. FOR PARTITIONING, SMALL PENETRATIONS OR CHANGE WITHIN PERIMETER WALL NOT SHOWN OR NOTED ON THIS PLAN OR ON CORE PLANS, PROVIDE STEEL OR PRECAST CONCRETE ARCHED COLUMNS AND FINISH WITH METAL STUDS & GYPSUM WALLBOARD. SEE TYPICAL DETAILS ON DRAWING No A-F-104.
12. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF COLUMNS AND EXTERIOR WALLS. FOR ALL OTHER DIMENSIONS SEE ENLARGED PLANS.
13. FOR TYPICAL TOILET DETAILS SEE DWG No A-F-101.

PLAZA
MATCH LINE
CHURCH STREET
LIBERTY STREET
KEY PLAN

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	BAL. NO.	BY	NO.	DATE	BAL. NO.	BY
				4	1-10-77	F-45	A.K.
				5	6-20-78	F-5	C.G.
				6	7-17-78	W.L.	L.K.
				7	9-19-78	A.D.D.	L.K.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

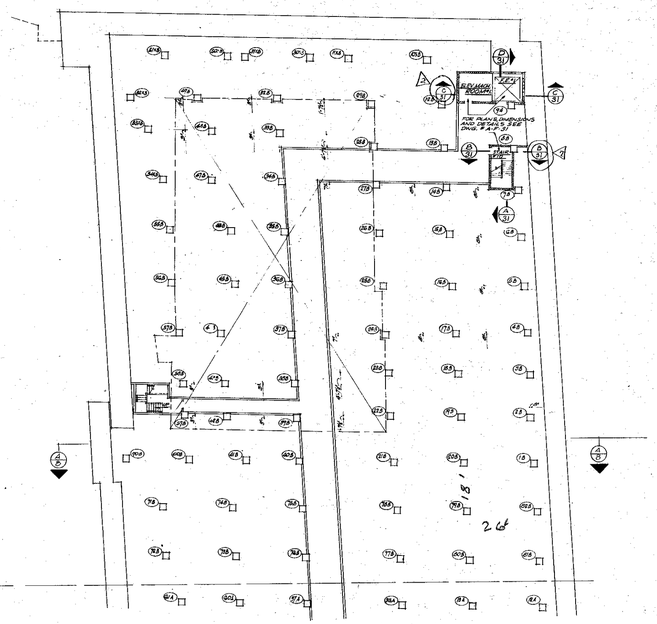
TITLE: SOUTHEAST PLAZA BUILDING
8TH FLOOR PLAN
SOUTH SECTION

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	11-15-75
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-79		

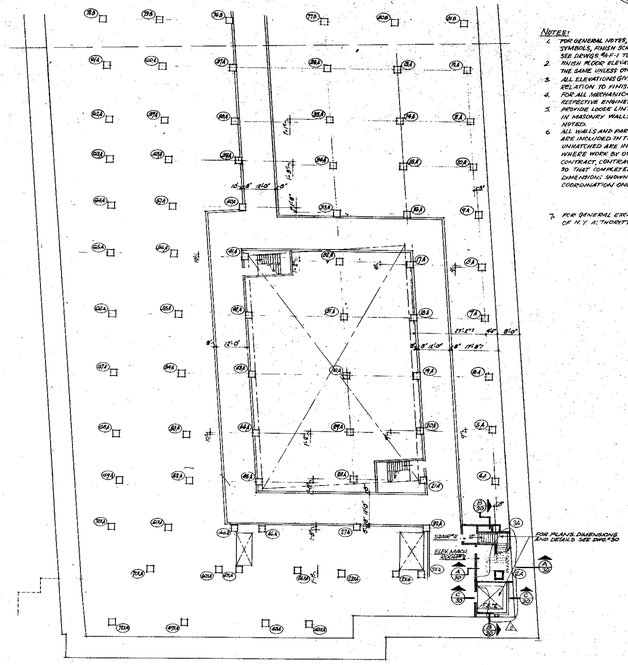
NORTH

NOTES:

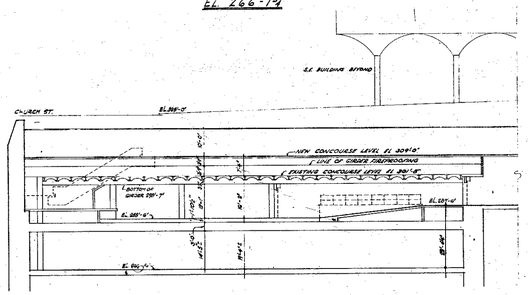
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, SYMBOLS, FINISH SCHEDULE, AND SCHEDULE OF DRAWINGS SEE DWGS. G-1.1 TO G-1.3.
2. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE THE SAME UNLESS OTHERWISE SHOWN OR NOTED.
3. ALL ELEVATIONS GIVEN THUS (00'-0") ARE TAKEN IN RELATION TO FINISH FLOOR ELEVATION.
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL OPENINGS IN MASONRY WALLS EXCEPT AS OTHERWISE SHOWN OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL PARTITIONS SHOWN UNHATCHED ARE IN SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK TO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR COORDINATION ONLY.
7. FOR GENERAL EXCAVATION ELEVATIONS SEE THE PART OF N.Y.S. TWENTY FOUNDATION CONTRACT DRAWINGS.



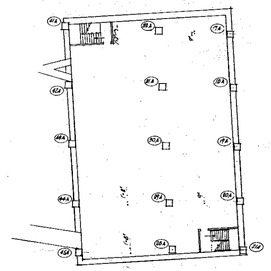
PART PLAN NORTH SECTION
EL. 266'-1¼"



PART PLAN SOUTH SECTION
EL. 266'-1¼"



SECTION A/8 LOOKING SOUTH (NORTH OF COL. 18-90B)



PART PLAN AT EXISTING SUB BASEMENT
EL. 246'-7¼"

RECEIVED
MAY 9 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-73

NO.	DATE	REVISIONS	BUIL. NO.?	BY
1	4-29-75	F-1	L.J.
2	11-17-75	ADD'T	MR

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

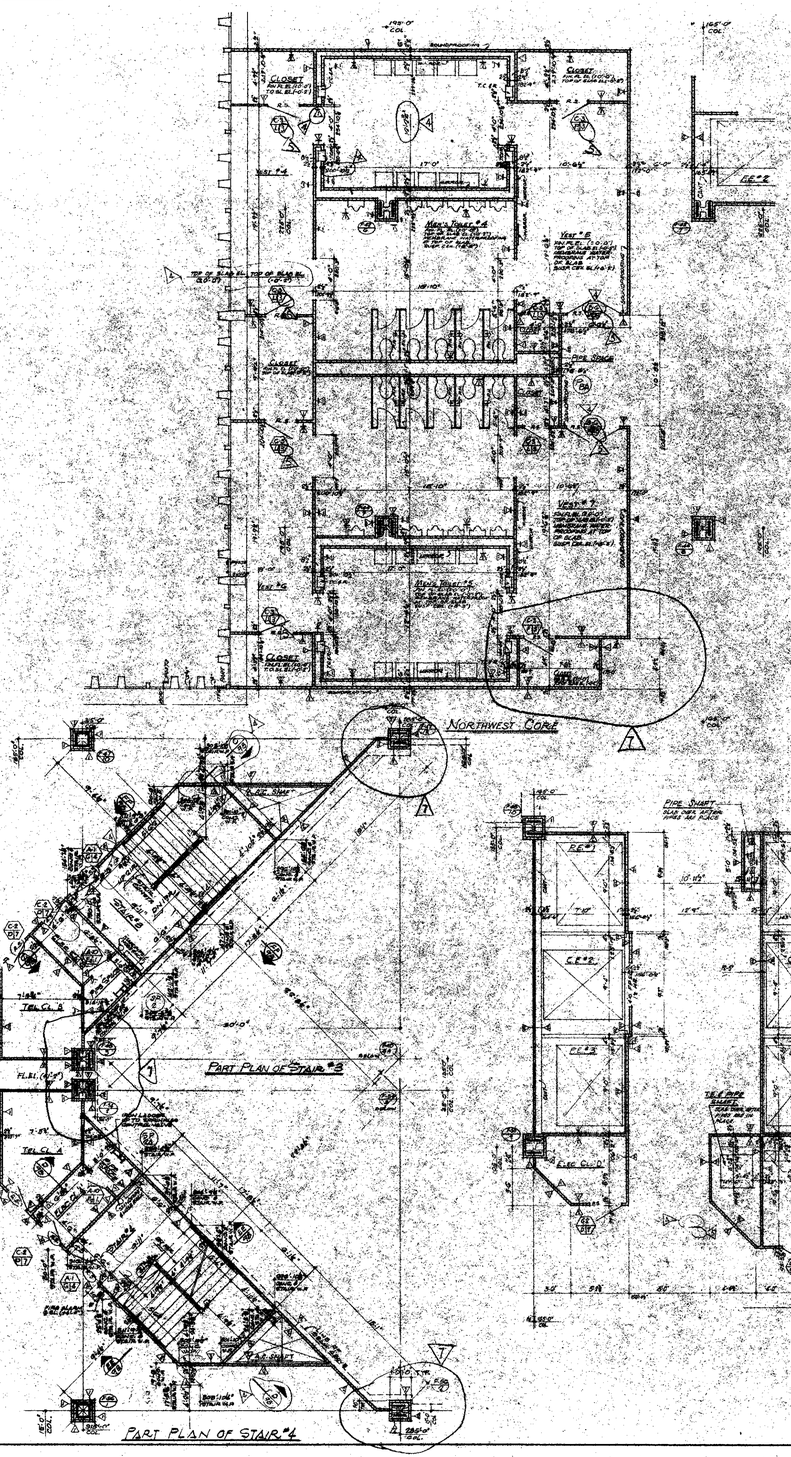
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

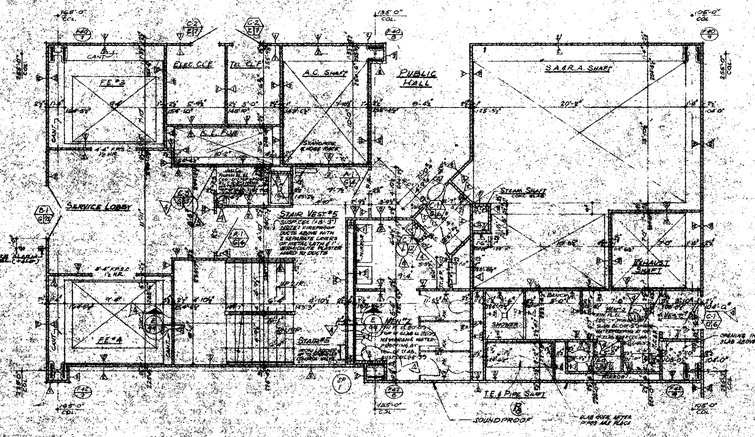
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

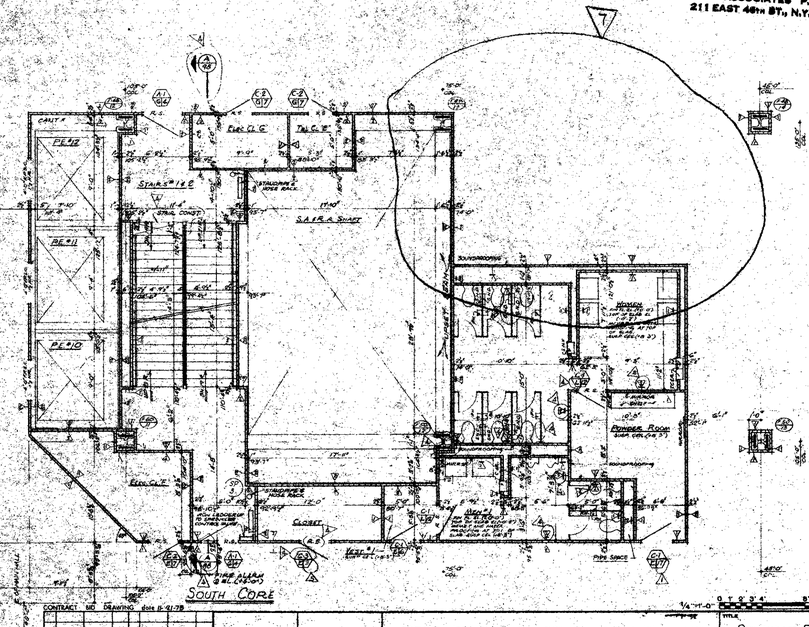
1/16"=1'-0" 0 8' 16' 24' 48'

TITLE: SOUTHEAST PLAZA BUILDING
266'-1¼" LEVEL - NORTH & SOUTH
& 246'-7¼" LEVEL

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·F·8		







NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING #A.F-70&A.F-71.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING #A.F-78&A.F-79.
3. ALL ELEVATIONS WHICH THUS (0'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. NOT ALL MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWGS #A.F-100
6. FOR TYPICAL TOILET DETAILS SEE DRAWING #A.F-101
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. JOINTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 5" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL SEE TYPICAL DETAIL DWG# A.F-106
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DRAWINGS #A.F-80&A.F-84.
11. EXITS AND SUBDIVISION OF TENANT SPACES TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR PARTITION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING #A.F-124.
13. WHERE NON-SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES, ETC. (E.G.) A ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-10" TO PROVIDE FOR FUTURE CEILING INSTALLATION.

RECEIVED
DEC 28 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

NO.	DATE	REVISIONS	BY
	1-10-77	F-46	LH
		F-51	LJ
	10-17-78	F-15	JR
	10-17-78	F-18	LW
	12-07-78	F-15	CG
	1-11-79	F-	LJ
	7-19-79	ADD'T	LJ

CONTRACT NO. DRAWING Rev. 8-01-78

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

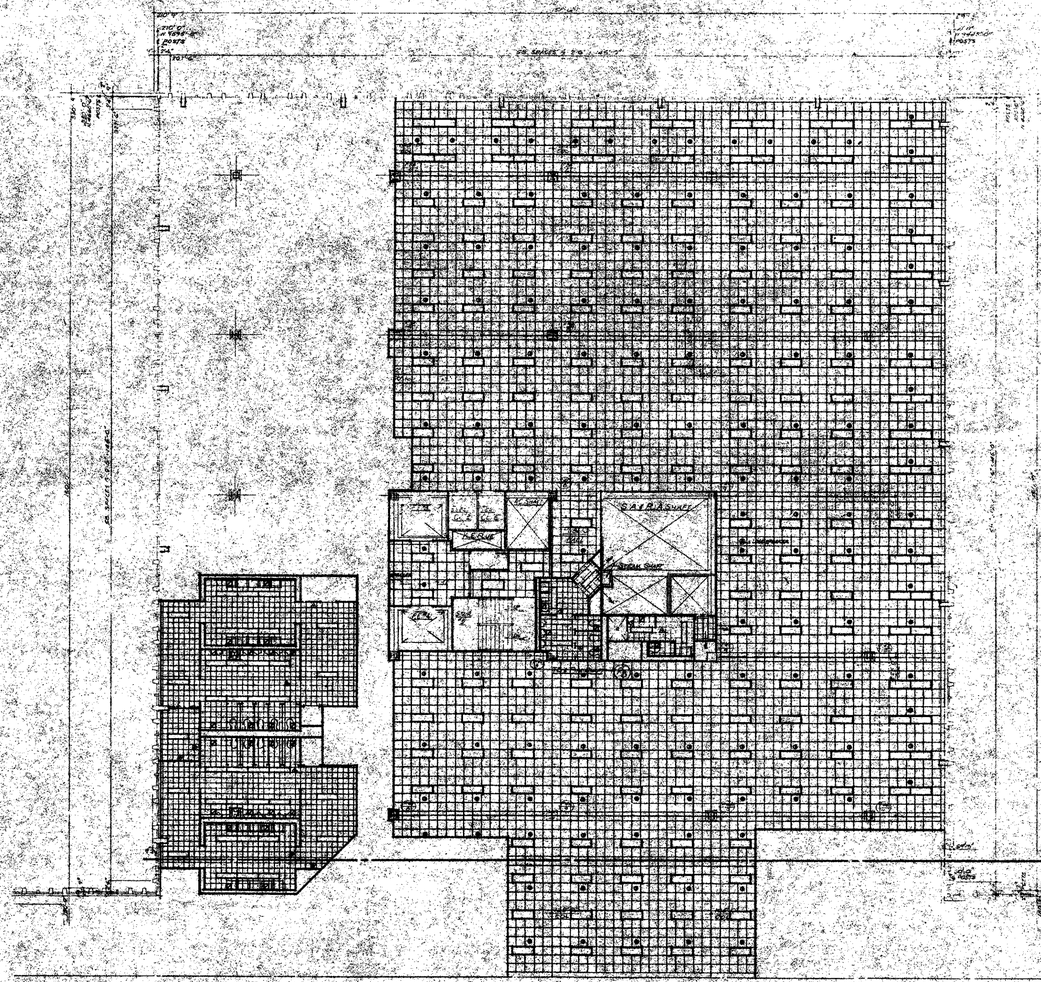
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BLDG.
8TH FLOOR CORE PLAN
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/4"-1'-0"	DATE	11-16-78
PROJECT NUMBER		SHEET	49
DRAWING NUMBER	A·F·49		

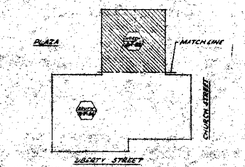


NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS # A-F-1 TO A-F-5.
2. FOR COMPLETE 0" SCALE CORE PLAN SEE DRAWING # A-F-80.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. EXIT AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
7. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTERS, LINES & FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & OVER-ALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
8. TOILET LIGHTING LAYOUTS ARE AS SHOWN; FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.



PIPE SHAFT DETAILS
SCALE 1/4"=1'-0"



KEY PLAN

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT NO. DRAWING dated 11-21-75

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES-
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHFOOT PLAZA BUILDING
8TH FLOOR REFLECTED CEILING PLAN-NORTH

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	9-13-74
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-81		

NORTH

MATCH LINE
FOR CONTINUATION
SEE DRAWING # A-F-88

LINE OF VESTIBULE ABOVE

PIPE SHAFT DETAILS
SCALE 1/4" = 1'-0"

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46th ST., N.Y.C. 10017

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING # A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING # A-F-80.
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. EXACT AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
7. ESCALATOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTER LINES & FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
8. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.

PLAZA
MATCH LINE
CHURCH STREET
LIBERTY STREET
KEY PLAN

CONTRACT BID DRAWING ISSUE 11-21-78

NO.	DATE	REVISIONS	BSL. NO.	BY

NO.	DATE	REVISIONS	BSL. NO.	BY
		AUG 80-78	F-5	C.G.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

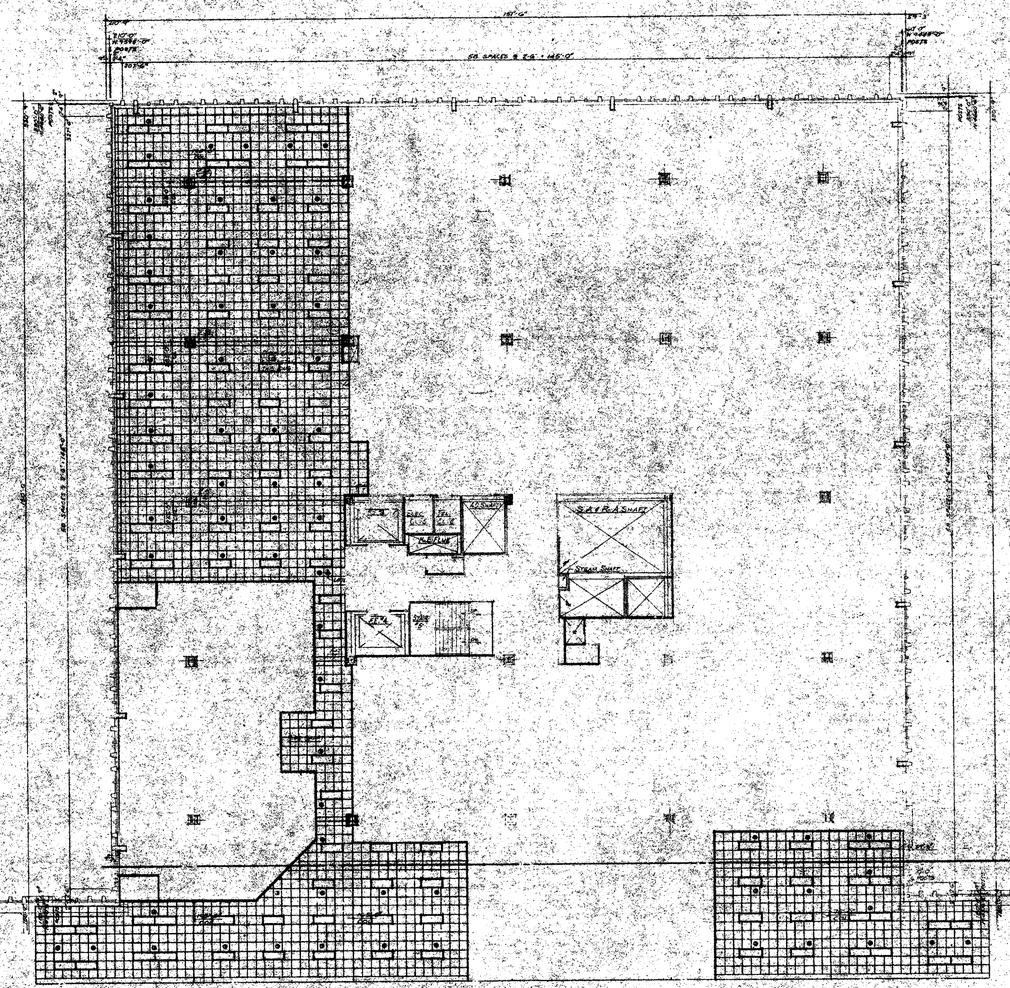
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
6TH FLOOR REFLECTED CEILING PLAN - SOUTH

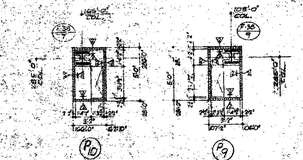
DESIGN	CHECKED
SCALE 1/8"=1'-0"	DATE 9-15-78
DRAWN	SHEET OF
TRACED	
SUBMITTED	DRAWING NO. A-F 89
APPROVED	



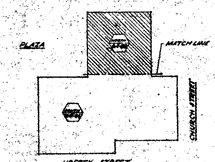
NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS # A-F-1 TO A-F-5.
2. FOR COMPLETE 4" SCALE CORE PLAN SEE DRAWING # A-F-80.
3. ALL ELEVATIONS GIVEN THUS (±0'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (±0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. EXIT AND SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECT'S DRAWINGS.
7. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF CORE, CENTER LINES & FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
8. TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.



PIPE SHAFT DETAILS
SCALE 1/4" = 1'-0"



KEY PLAN

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT NO DRAWING date 11-21-73

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

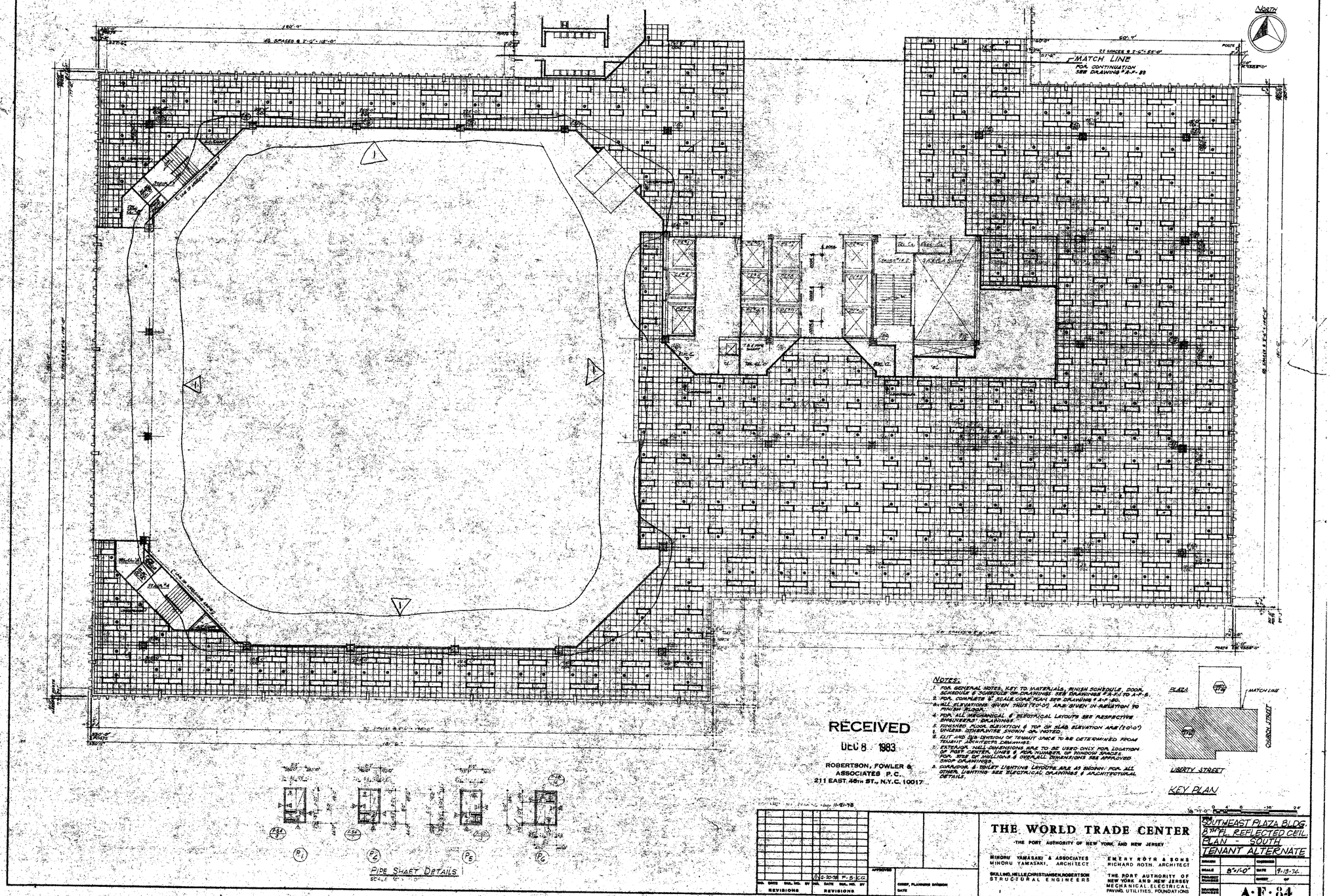
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

SOUTHEAST PLAZA BLDG.
8TH FL. REFLECTED CEIL. PLAN - NORTH
TENANT ALTERNATE

DESIGN		CHECKED	
SCALE	1/8"=1'-0"	DATE	4-15-74
PROJECT DIRECTOR		SHEET OF	
DRAWING NUMBER	A-F-83		



PIPE SHAFT DETAILS
SCALE 1/4" = 1'-0"

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS ON DRAWINGS A-F-1 TO A-F-5.
2. FOR COMPLETE & SCALE CORE PLAN SEE DRAWING A-F-80.
3. ALL ELEVATIONS GIVEN THIS (50'-0") ARE GIVEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (50'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. ELIT AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
7. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF POST CENTER LINES & FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & SPANDRELL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
8. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

REVISIONS				REVISIONS			
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
				1	11-21-78		

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
-THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

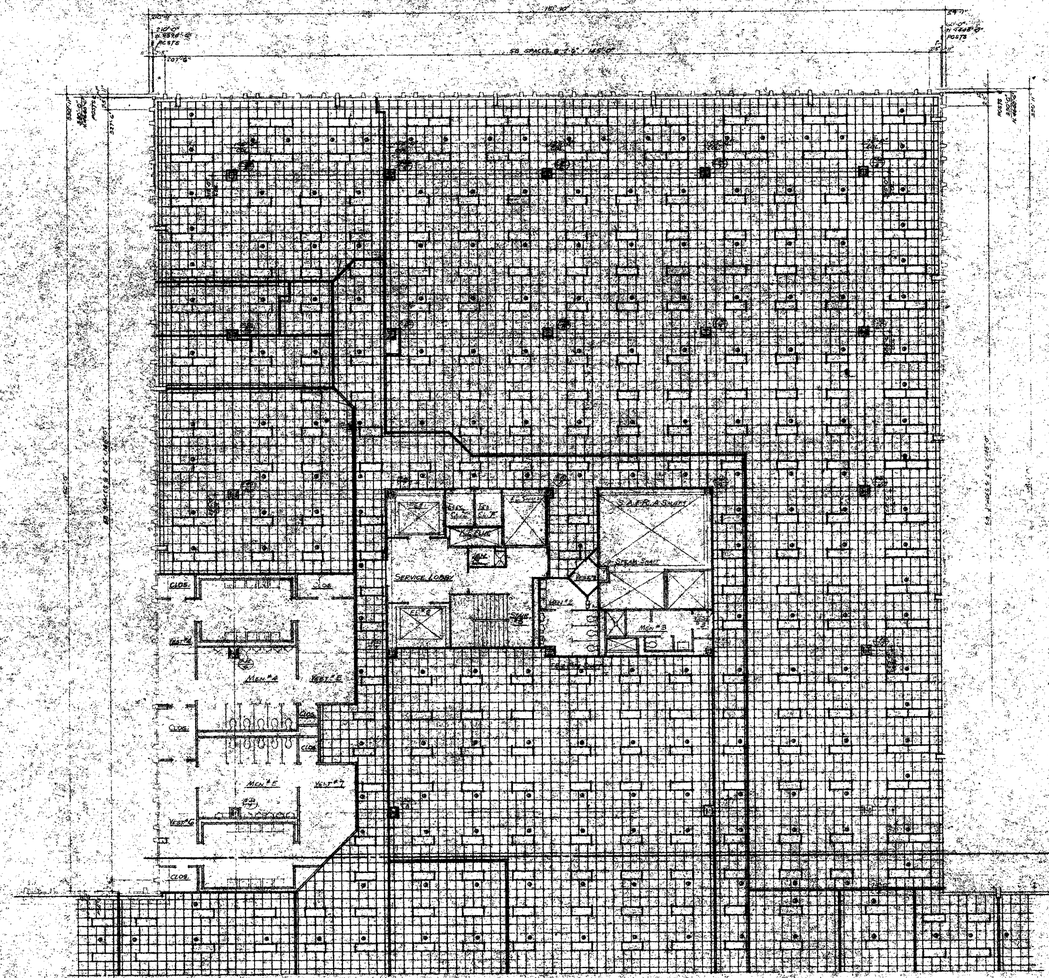
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

SOUTHEAST PLAZA BLDG.
6TH FL. REFLECTED CEIL. PLAN - SOUTH
TENANT ALTERNATE

DESIGN	CHECKED
SCALE	8"=1'-0"
DATE	9-13-74
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-84

NORTH



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS SEE DRAWINGS 7A-G-80 & 81
2. FOR PARTITIONS, SCALE CORE PLAN SEE DRAWING # A-K-80.
3. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE CONSULTANTS' DRAWINGS.
4. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES, FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE FACADE DRAWINGS.
5. SEE FLOOR PLANS FOR NOTES ARE SHOWN ON DRAWING # A-F-83
6. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS

KEY PLAN

RECEIVED
DEC 8 1983

ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46th ST., N.Y.C. 10017

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS
	11-21-75				

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

WINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

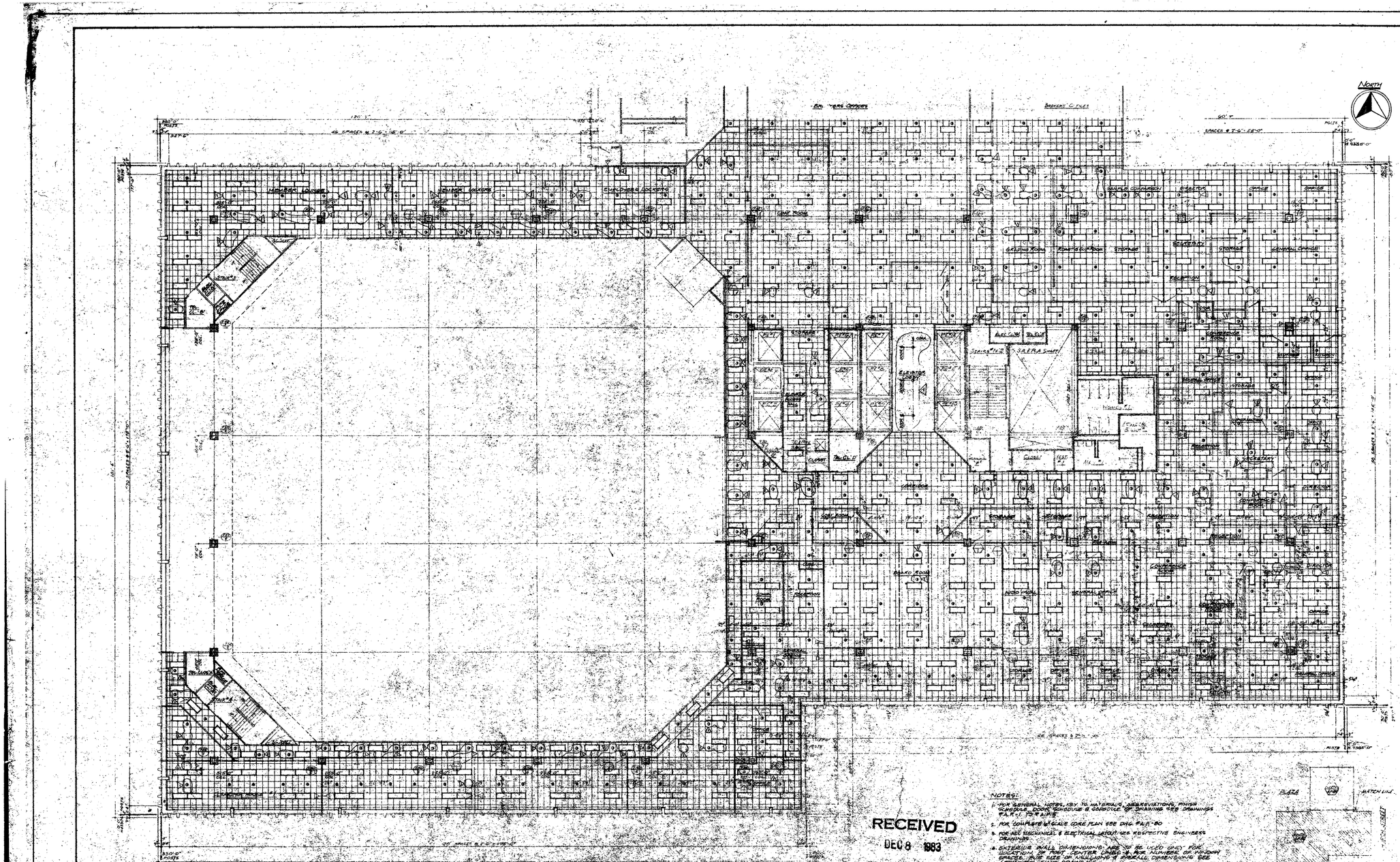
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
8TH FLOOR TENANT REFLECTED CEILING PLAN-NORTH

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-85		



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DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46th ST., N.Y.C. 10017

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWING SEE DRAWING A-F-1.10 & A-F-1.15
2. FOR COMPLETE & SCALE CORE PLAN SEE DWG. A-F-1.80
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
4. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF FIRST CENTER LINES & FOR NUMBER OF UNIFORM SPACES. FOR SIZE OF INDIVIDUAL & OVERALL DIMENSIONS SEE APPROVED SHOP DRAWINGS.
5. TOILET LIGHTING LAYOUTS ARE SHOWN ON DWG. A-F-8.84 FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.

11-21-79

NO.	DATE	REVISIONS	NO.	BY	NO.	DATE	REVISIONS	NO.	BY
					1	11/19/80	400 #1		L.J.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PLUMBING, UTILITIES, FOUNDATIONS

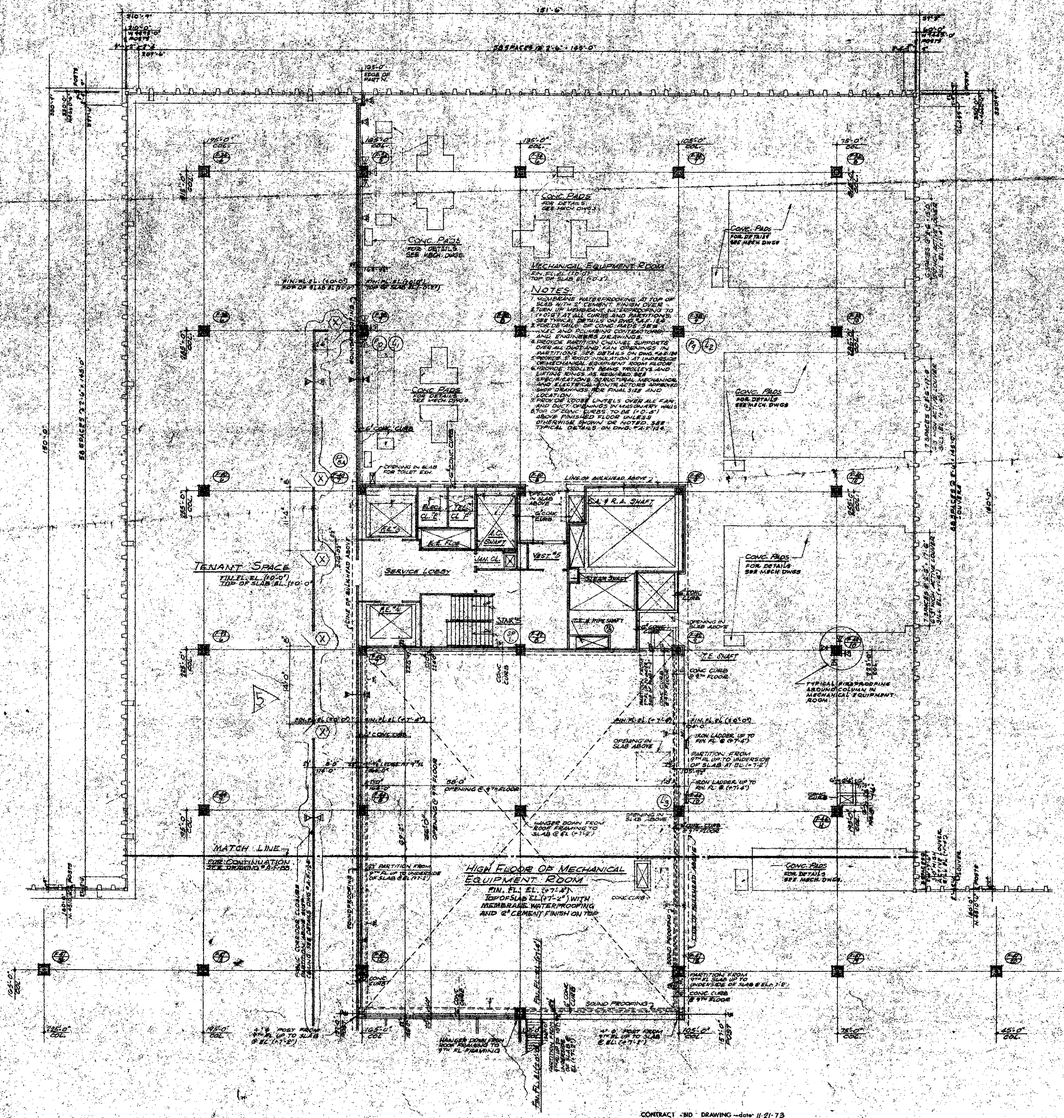
TITLE: SOUTHEAST PLAZA BUILDING
80th FLOOR TENANT REFLECTED CEILING PLAN - SOUTH

DRAWN	CHECKED
SCALE 8"=1'-0"	DATE 11-15-73
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-86

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR DETAILS, SYMBOLS OF DRAWINGS, SEE DRAWING A-F-100.
2. FOR COMPLETE & WELL ROOM PLAN SEE DRAWING A-F-84.
3. ALL ELEVATIONS INDICATED THUS (0'-0") ARE TAKEN AS RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DRAWING A-F-100
6. ALL TRENCH HEADING TO BE FIREPROOFED IF UNDERSIDE OF SLAB ABOVE IS WITHIN 6'-0" WITH 3 COAT ON FIREPROOFING, SEE SPECIFICATIONS. ALL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE FIRE STOPPED. REFER TO ARCHITECTURAL LAYOUTS & DETAILS OF TRENCH HEADING AND FIREPROOFING.
7. STRUCTURE FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS SHOWN OTHERWISE.
8. JOINTS ARE REQUIRED ON ALL SLAB PROJECTIONS OVER 6" ACTUAL PROJECTION. IN ELEVATOR PITS JOINTS SHALL BE WITHIN 12" FROM HORIZONTAL. SEE TYPICAL DETAILS A-F-104.
9. FOR CONCRETE & REINFORCEMENT LOCATIONS SEE PARTS A-C-SO FOR AREAS WITHIN LIMITS OF ELECTRICAL CEILINGS AND ARCHITECTURAL OFFSETS.
10. SLOTS AND SLEEVES IN TENANT SPACE TO BE DETERMINED FROM TENANTS' SHOP DRAWINGS.
11. FIREPROOFING OF ALL FREE-STANDING COLUMNS WITHIN PERIMETER WALL NOT SHOWN ON PLANS OR DETAILS SHALL BE 2" GYPSUM BOARD ENCASEMENT WITH METAL STUDS 4" O.C. BY PRIVATE SUBCONTRACTOR, WITH METAL STUDS 4" O.C. BY PRIVATE SUBCONTRACTOR, WITH METAL STUDS 4" O.C. BY PRIVATE SUBCONTRACTOR, SEE TYPICAL DETAILS ON DRAWING A-F-104.
12. PARTITION WALL DIMENSIONS ARE TO BE USED ONLY FOR LOCATION OF PARTITIONS FROM FACE OF WALLS AND OVER ALL DIMENSIONS OF ELEVATOR SHAFTS.
13. DOORS MARKED THUS (X) ARE 3'-0" WIDE BY 6'-8" HIGH INCLUDING FRAME AND ARE TO BE FURNISHED COMPLETE WITH ALL HARDWARE & FRAME BY THE PORT AUTHORITY OF N.Y. & N.J. AND INSTALLED BY BASE BUILDING CONTRACTOR. ALL DOORS TO BE P.P.S.C. WITH N.F.P.A. 252 RATING.


CONC. PADS FOR DETAILS SEE ARCH. DWGS.
MECHANICAL EQUIPMENT ROOM
TENANT SPACE
SERVICE LOBBY
HIGH FLOOR OF MECHANICAL EQUIPMENT ROOM
FIN. FL. EL. (+71.67)
TOP OF SLAB EL. (+71.42) WITH MEMBRANE WATERPROOFING AND 4" CEMENT FINISH ON TOP
MATCH LINE
SEE CONTINUATION
SEE PARTITION FROM TOP OF SLAB EL. (+71.67)
SOUND PROOFING
SEE PARTITION FROM TOP OF SLAB EL. (+71.67)
SEE PARTITION FROM TOP OF SLAB EL. (+71.67)
SOUND PROOFING

NORTH

HIGH FLOOR OF LOWER ROOF EL. 131.5

MATCH LINE

TENANT SPACE WITH SLOPED TOP OF SLAB EL. 131.5 ABOVE

UPPER PORTION OF COMMODITY TRADING FLOOR

MECHANICAL EQUIPMENT ROOM FINISH FLOOR TOP OF SLAB EL. 131.5

CONC. PADS FOR DETAILS SEE MECH. DWGS.

NOTES:

1. FOR GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & DETAILS SEE DRAWING # A-1-01.
2. FOR COMPLETE KEY SCALE CORE PLAN SEE DRAWING # A-1-01.
3. ALL DIMENSIONS INDICATED THUS (N.O.P.) ARE TAKEN IN RELATION TO FINISH FLOOR.
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL JOINT DETAILS SEE DRAWING # A-1-100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A-1-101.
7. ALL TENANT IMPROVEMENTS TO BE PERFORMED AT EXPENSE OF SUB-LET AS PART OF SUB-LET AGREEMENT & CONSTRUCTION TO BE COORDINATED WITH GENERAL CONTRACTOR & SUBJECT TO APPROVAL BY THE PORT AUTHORITY OF NEW YORK & NEW JERSEY.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE 12-0" UNLESS SHOWN OR NOTED.
9. SLOPE ALL FLOOR TO DRAIN WHERE INDICATED. SLOPE FLOOR SMOOTHLY BETWEEN DRAINS WHERE NOT INDICATED.
10. FOR FURNITURE, TOILET, EXITING LAYOUTS SEE ARCH. PLAN. FOR ALL OTHER LIGHTING, SEE ELECTRICAL DRAWINGS & SPECIFICATIONS.
11. 3" EXITS AND DUMBWAITER OPENINGS TO BE WITHDRAWN FROM TENANTS ARCHITECTS WORK.
12. FOR DIMENSIONS OF SMOKE PARTITIONS COVERING, INSTALLATIONS TO BE WELL WET, SEALING OF JOINTS AT FLOOR, CEILING & WALLS, PENETRATIONS & OPENINGS IN SMOKE PARTITIONS & DOORS IN SMOKE PARTITIONS WITH METAL SILLS & OPENING WELDED SEE TYPICAL DETAILS ON DRAWING NO. A-1-100.
13. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR PURPOSES OF SHOWING SPACES & FOR SIZE OF ENCLOSING ALIGNMENT ALL DIMENSIONS SEE DETAIL DRAWINGS.
14. ALL DOORS MARKED THUS (X) ARE 3'-0" X 7'-0" HIGH INCLUDING FRAME AND ARE TO BE FURNISHED COMPLETE WITH ALL HARDWARE & FRAME BY THE PORT AUTHORITY OF NY. & N.J. AND INSTALLED BY BASE BUILDING CONTRACTOR. ALL DOORS TO BE F.R.P. & E.I. WITH FULL PANIC HARDWARE.

RECEIVED
DEC 8 1983

ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 49TH ST., N.Y.C. 10017

KEY PLAN

PLAZA
MATCH LINE
LIBERTY STREET
CHURCH STREET

EXISTG. CONC. CURB
EXISTG. NET. STOD & STY. SD. WALL
3'C & NET. FORMING BRACKETS @ 5'-0" O.C. & FORMING 1'S 24'0" C. 4" STY. SD. UP TO CLG.
REMOVE EXIST'G FILL & REMAINING V.P. SCREED SLAB AND APPLY SKORING COMPOUND REMOVED POURING CURB
NEW NET. STUD & 5/8" STY. SD. WALL
NEW CONC. CURB
ADD W.P. AT CURB & STRIP INTO EXIST'G. W.P. MEMBRANE
REPLACE FILL

A-A SECTION AT EXISTING & NEW CONCRETE CURBS
SCALE: 1/4"=1'-0"

CONTRACT - BID-DRAWING - date: 11-21-75

NO.	DATE	REVISIONS	BY
A	6-27-77	R-78	A.C.
A	10-27-77	R-27	K.W.
A	1-10-77	R-45	E.M.
A		E-7	L.J.
A	10-20-76	F-0	L.J.
A	2-10-76	F-5	C.G.
A	10-17-75	F-8	C.G.
A	7-7-76	REV.	J.L.
A	12-19-75	ADD'L	J.L.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING 9TH FLOOR PLAN
SOUTH SECTION

DRAWN	CHECKED
SCALE	1/8"=1'-0"
DATE	8-15-75
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-F-88

MECHANICAL EQUIPMENT ROOM NOTES

NOTES:

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (+9'0") AT ALL CURBS AND PARTITIONS SEE TYPICAL DETAILS ON DWG. # A.F.-12.
3. FOR DETAILS OF CONC. PADS SEE HVAC. & PLUMBING CONTRACTORS & ENGINEERS DRAWINGS.
4. PROVIDE PARTITION CHANNEL SUPPORTS OVER ALL DUCT & FAN OPENINGS IN PARTITIONS SEE DETAILS DWG. # A.F.-12B
5. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIP. ROOM FLOOR.
6. PROVIDE TROLLEY BEAMS, TROLLEY & LIFTING RINGS AS REQUIRED SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL & ELECTRICAL CONTRACTOR'S APPROVED SHOP DRAWING FOR FINAL SIZE & LOCATION.
7. PROVIDE LOOSE LINTELS OVER ALL PAN & DUCT OPENINGS IN MASONRY WALLS.
8. TOP OF ALL FLOOR SLABS TO BE 1'-0"± ABOVE FINISHED FLOOR, UNLESS OTHERWISE SHOWN OR NOTED SEE TYPICAL DETAILS ON DWG. # A.F.-12A

NORTH CORE →

MECHANICAL EQUIPMENT ROOM

NORTH

Notes:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS SEE DRAWING A-F-1 TO A-F-8.
2. FOR COMPLETE 1/2" SCALE FLOOR PLAN SEE DRAWINGS # A-F-9 TO A-F-18.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE GIVEN IN RELATION TO FINISHED FLOOR.
4. FOR, SEE MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWGS # A-F-100.
6. FOR TYPICAL TOILET DETAILS SEE DRAWING # A-F-101.
7. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH 2"SPRAY-ON" TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
8. FINISHED FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
9. CANTS ARE REQUIRED BY ALL BEAM PROJECTIONS GIVE 2" NOTAL DIMENSIONS IN ELEVATOR, SHAFTS AND SHALL BE BRUNSON "3F" MARK NO.4 CANTAL. SEE TYPICAL DETAIL DWG." A-F-15A.
10. FOR CORRIDOR AND TOILET LIGHTING LAYOUTS SEE DRAWING # A-F-104 A-F-91.
11. EXITS AND SUB-DIVISION OF TENANT SPACES TO BE DETERMINED FROM TENANT ARCHITECTS DRAWINGS.
12. FOR PARTITION, BEAM & COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DRAWING # A-F-164
13. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SIGN AS IN CLOSETS, STAIR, PRESSURES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT +8'-10" TO PROVIDE FOR FUTURE CEILING INSTALLATION.

NOTE: FIREPROOF UNDER DUCTS ABOVE WITH 2- SEPARATE LAYERS OF METAL LATH FURRING & 1" VERMICULITE PLASTER HARD TO DUCTS

TENANT SPACE
FIN. FL. EL. (+9'0")
TOP OF SLAB EL. (+9'0")

PART PLAN OF STAIR #3 AT 9TH FLOOR

PART PLAN OF STAIR #3 ABOVE 9TH FLOOR

PART PLAN OF STAIR #4 AT 9TH FLOOR

PART PLAN OF STAIR #4 ABOVE 9TH FLOOR

MECHANICAL EQUIPMENT RM.
FIN. FL. EL. (+10'0")
TOP OF SLAB EL. (+11'2")
SEE MECHANICAL EQUIP RM. NOTES ON THIS DRAWING

SOUTH CORE

MECHANICAL EQUIPMENT ROOM
FIN. FL. EL. (+10'0")
TOP OF SLAB EL. (+11'2")
SEE MECH. EQUIP. RM. NOTES THIS DRAWING

1/8"=1'-0"

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT 9ID DRAWING date 11-01-75

NO.	DATE	REVISIONS BUL. NO.	BY
6	10-17-75	P 13	J.K.
5		P-7	L.J.
4	9-10-75	F-5	C.G.
3	10-17-75	F-8	C.G.
2	7-19-74	ADD'N 1	J.H.
1	10-14-73	ADD'N	V.G.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

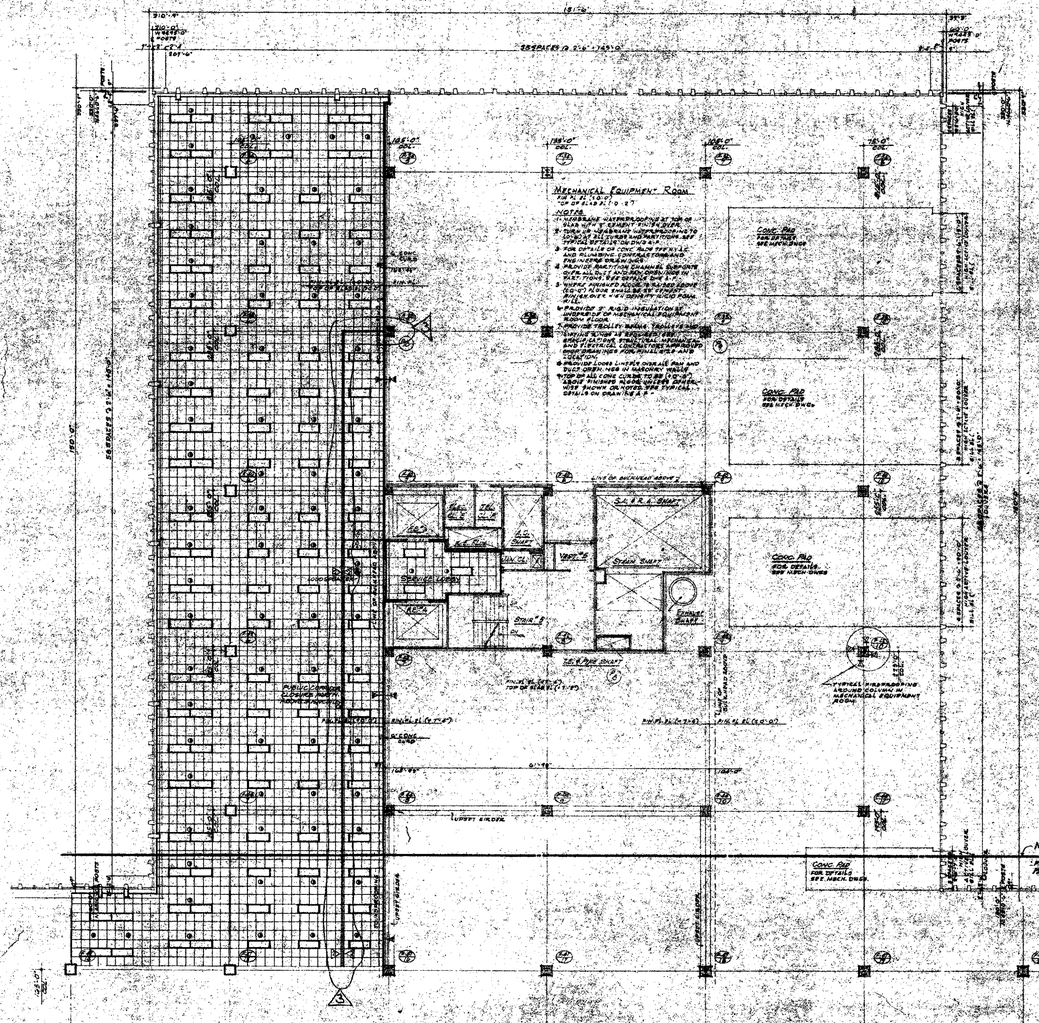
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

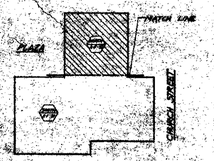
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BLDG. 9TH FLOOR CORE PLAN
OFFICE FLOOR

DRAWN		CHECKED	
SCALE	1/4"=1'0"	DATE	11-16-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-89		

NORTH





KEY PLAN

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE, LEGEND OF DRAWINGS, SEE DRAWING A-F-P-1 & A-F-E
2. FOR COMPLETE 1/8" SCALE CORE PLAN, SEE DRAWING A-F-P-1
3. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. EXITS AND SUB-DIVISION OF TENANT SPACE, TO BE DETERMINED FROM TENANT ARCHITECT'S DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS AND OVER ALL DIMENSIONS SEE DETAIL DRAWINGS.
6. CORRIDOR & TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSP. CEILING SEE DRAWING A-F-P-1.
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46TH ST., N.Y.C. 10017

CONTRACT - 80 - DRAWING NUMBER 342-75

NO.	DATE	REVISIONS	BSL. NO.	BY
4	6-17-77	F-76		A.C.
3	1-1-74	ADD'N		H.H.
2	11-17-75	ADD'N		G.

REGISTERED ARCHITECT

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON, STRUCTURAL ENGINEERS
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY, MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
9TH FLOOR REFLECTED CEILING PLAN-NORTH

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT MGR.		APPR.	
DESIGNER			

A-F-90

MATCH LINE
FOR CONTINUATION
SEE DRAWING A-F-90

MATCH LINE
FOR CONTINUATION
SEE DRAWING A-F-92

PUBLIC CORRIDOR
GLASS OR PARTITIONS
ABOVE SUSP. CEIL.

STAIR #3

STAIR #4

STAIR #2

UPPER PORTION
COMMODITY EXCHANGE

C.E.C. VISITORS GALLERY
CLG. PLN. N.I.C.

C.E.C. SEMINAR ROOM
CLG. PLN. N.I.C.

MECHANICAL EQUIPMENT ROOM

CONC. PAD
FOR DETAILS
SEE MECH. DWGS

PIPE SHAFT DETAILS
SCALE 1/4"=1'-0"

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-F-1 TO A-F-5.
2. FOR COMPLETE 1/4" SCALE CORE PLAN SEE DRAWING A-F-91.
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. EXITS AND SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS' DRAWINGS.
5. EXTERIOR WALL DIMENSIONS ARE TO BE USED ONLY FOR ON AXIS CENTER LINES & FOR NUMBER OF WINDOW SPACES. FOR SIZE OF MULLIONS & OVERALL DIMENSIONS SEE DETAIL DRAWINGS
6. CORRIDOR, & TOILET LIGHTING LAYOUTS ARE AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. FOR PUBLIC CORRIDOR CLOSURE PARTITIONS ABOVE SUSP. CEILING SEE DWG. # A-F-60.
8. THIS DRAWING TO BE USED FOR LIGHTING AND SPRINKLER LAYOUTS ONLY.

KEY PLAN

RECEIVED
DEC 8 1983
ROBERTSON, FOWLER & ASSOCIATES P.C.
211 EAST 46th ST., N.Y.C. 10017

CONTRACT DID NOT DRAWING date 11-21-78

NO.	DATE	REVISIONS	BUL. NO.	BY
A	6-27-77	F-78		AC
A	6-27-77	F-77		LC
A	6-27-77	F-81		LC
A	11-9-79	F-1		LM
A	12-20-78	F-5		CC
A	11-9-79	ADD 1		LM

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

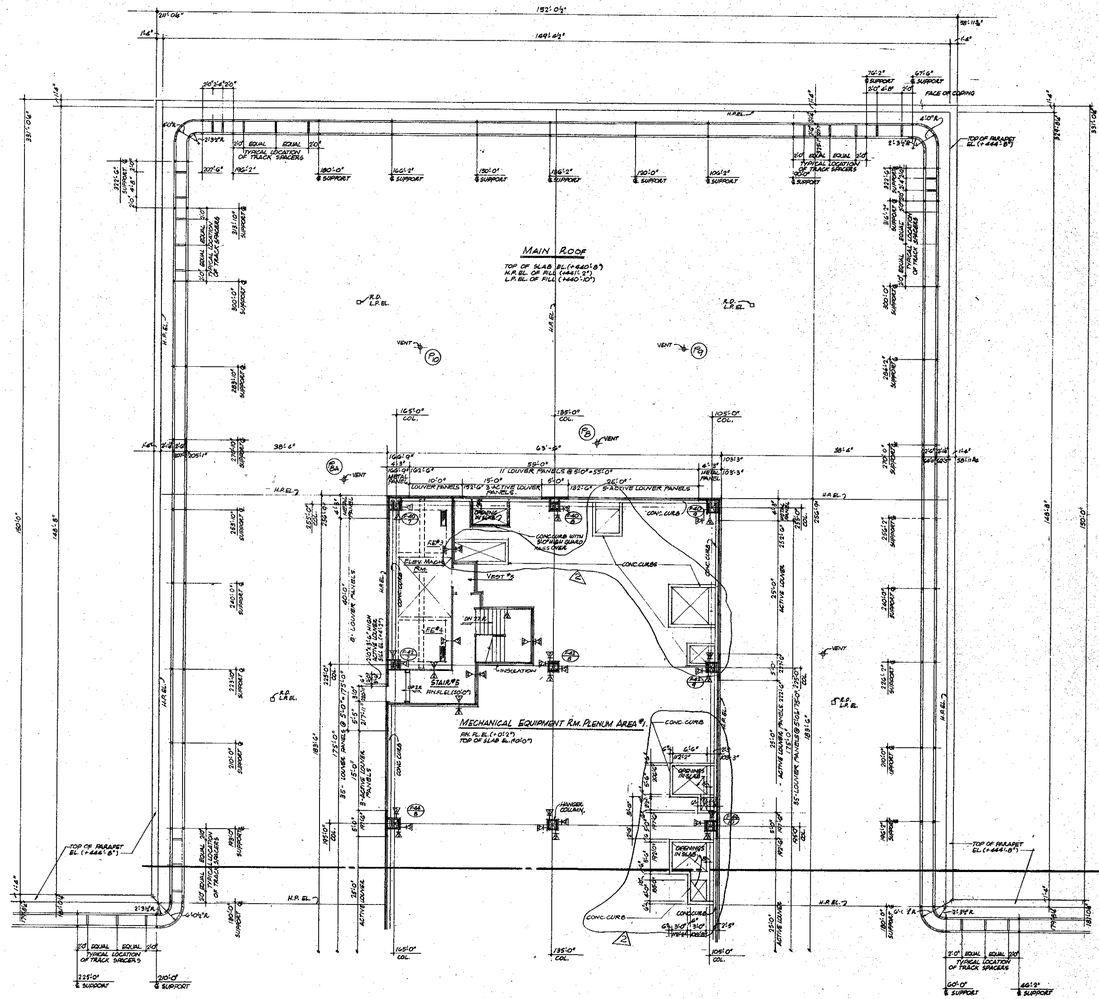
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PLUMG. UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
9TH FLOOR REFLECTED CEILING PLAN-SOUTH

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 11-15-79
PROJECT NUMBER	SHEET
DRAWING NUMBER	A-F-94

NORTH



NOTES:

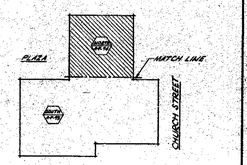
1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWINGS # A-F-1 TO A-F-5.
2. FOR COMPLETE 1/8" SCALE CORE PLAN SEE DRAWING # A-F-96.
3. ALL ELEVATIONS INDICATED THUS (+0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, EL. (+01'-0").
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING # A-F-100.
6. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 8" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL - SEE TYPICAL DETAILS A-F-124.

MECH. EQUIP. RM. PLENUM AREA #1

FIN. FL. EL. (+01'-0")
TOP OF SLAB EL. (-01'-0")

1. MEMBRANE WATERPROOFING TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (+0'-6") AT ALL CURBS AND PARTITIONS. SEE TYPICAL DETAILS ON DWG # A-F-124.
3. PROVIDE PARTITION CHANNEL SUPPORT. CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG # A-F-124.
4. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF FLOOR OF MECH. EQUIP. RM. PLENUM AREA # 1 (@ FIN. FL. EL.).
5. TOP OF ALL CONC. CURBS OTHER THAN AT PERIMETER WALL SHALL BE (+0'-8") ABOVE FINISHED FLOOR, UNLESS OTHERWISE SHOWN OR NOTED. SEE TYPICAL DETAILS DWG # A-F-124.

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.



KEY PLAN

1/8"-1'-0" 0 4' 8' 16' 24'

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
1	10-17-75	F-S	J.K.
2	7-17-74	REV 1	J.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL
PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING
MAIN ROOF (BULKHEAD) PLAN
NORTH SECTION

DRAWN	CHECKED
SCALE 1/8" = 1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-F-94

NORTH

MECH. EQUIP. RM. PLENUM AREA #1
FIN. FL. EL. (+0'-2")
TOP OF SLAB EL. (±0'-0")
SEE NOTES IN THIS DWG.

MECH. EQUIP. RM. PLENUM AREA #2
FIN. FL. EL. (+0'-2")
TOP OF SLAB EL. (+0'-0")
SEE NOTES IN THIS DWG.

MATCH LINE
FOR CONTINUATION OF PLAN SEE DWG. A-P-94

ELEV. MACH. RM.
FIN. FL. EL. (+0'-0")

STAIR #1
FOR 1/4" SCALE CORE PLAN SEE DWG. A-P-101

STAIR #2
FOR 1/4" SCALE CORE PLAN SEE DWG. A-P-101

STAIR #3
FOR 1/4" SCALE CORE PLAN SEE DWG. A-P-101

STAIR #4
FOR 1/4" SCALE CORE PLAN SEE DWG. A-P-101

STAIR #5
FOR 1/4" SCALE CORE PLAN SEE DWG. A-P-101

CONC. PLATFORM
2'-0" HIGH GUARD RAIL ON TOP OF CONC. CURB

INSULATION
6" CONC. CURB

VENT #1

VENT #2

VENT #3

HANGER COLUMN

CONC. CURB

TOP OF SLAB

SLOPE DOWN

SLOPE DOWN

SLOPE DOWN

SLOPE DOWN

TOP OF SLAB AT +0'-0" EL. (+449'-0")

EDGE OF FILL TO MEET STRUCTURAL SLAB AT H.P. EL. (+449'-2")

RAIL SWITCH TURNTABLE
STEEL TURNTABLE PLATES & TRACK ON TURNTABLE BEARING SUPPORTS AND LOCK DEVICES TO BE FABRICATED & SUPPLIED BY MAKER (OR MANUFACTURER) INSTALLATION BY MISCELLANEOUS IRON CONTRACTOR.

TURNTABLE

MAIN ROOF
TOP OF SLAB EL. (+449'-0") EXCEPT AS NOTED
H.P. EL. OR FILL (+449'-8")
H.P. EL. OR FILL (+449'-10")

H.P. EL. 7

F.D. L.P. EL.

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS, SEE DRAWINGS A.A.I. TO A.P.-5.
2. FOR COMPLETE 1/4" SCALE CORE PLAN SEE DRAWING A.P.-101.
3. ALL ELEVATIONS INDICATED THUS (0'-0") ARE TAKEN IN RELATION TO FINISH FLOOR, EL. (+449'-8").
4. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWING A.P.-101
6. FINISHED FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE FIGURED ON ALL BEAM PROJECTIONS OVER 2" ACTUAL DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL. SEE TYPICAL DETAILS.

PLAZA

MATCH LINE

LIBERTY STREET

CHURCH STREET

KEY PLAN

RECEIVED
OCT 23 1975

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

1/8"=1'-0" 0 4' 8' 16' 24'

MECHANICAL EQUIPMENT ROOM NOTES.
PLENUM AREA #1 & #2

FIN. FL. EL. (+0'-0")
TOP OF SLAB (+0'-0")

NOTES:

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING 10'-0" (+3') AT ALL CURBS AND PARTITIONS. SEE TYPICAL DETAILS ON DWG. NO. A.P.-126
3. PROVIDE PARTITION CHANNEL SUPPORTS OVER ALL DUCT AND PAN OPENINGS IN PARTITIONS, SEE DETAILS DWG. A.P.-126
4. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM PLENUM AREA # 1 & 2 (+7'-11" FL. EL.)
5. TOP OF ALL CONCRETE CURBS OTHER THAN AT PERIMETER WALL SHALL BE (+0'-8") ABOVE FINISHED FLOOR UNLESS OTHERWISE SHOWN OR NOTED. SEE TYPICAL DETAILS DWG. A.P.-126

SECTION A
SCALE: 3"-1'-0"

EPOXY CEMENT
CONC. FILL
TOP OF STRUCTURAL CONC. SLAB

CONTRACT NO. DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	10-17-76	F-8	J.K.
2	7-19-76	REV-1	J.K.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF N.Y. & N.J.
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
MAIN ROOF & BULKHEAD PLAN
SOUTH SECTION

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A·P·95		

ELEV. MACHINE RM. FOR P.E.#6 P.E.#4
FIN. FL. EL. (120'0")
TOP OF SLAB BETWEEN SHAFTS EL.(-0'-3")
BOT. OF ELEV. MACHINE BEAMS EL.(-1'-4")

MECH. EQUIP. RM. PLENUM AREA #1
FIN. FL. EL. (-0'-7")
TOP OF SLAB (TO EL.0')

NOTES
1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 3" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (0'0") AT ALL CURB & PARTITIONS. SEE TYPICAL DETAILS ON DWG. # A.F.-124
3. PROVIDE PARTITION CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG. # A.F.-124
4. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF FLOOR OR MECH. EQUIP. RM. PLENUM AREA #1 (9TH FL. CEIL.)
5. TOP OF ALL CONC. CURBS OTHER THAN AT PERIMETER WALL SHALL BE (1'-0") ABOVE FINISHED FLOOR, UNLESS OTHERWISE SHOWN OR NOTED. SEE TYPICAL DETAILS DWG. # A.F.-124

NORTH CORE

NOTES:
1. FOR GENERAL NOTES, KEY OF MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS OF DRAWINGS SEE DWGS. A.F.-1 TO A.F.-5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLANS, SEE DWGS. A.F.-106 & A.F.-107.
3. ALL ELEVATIONS GIVEN THUS (TO 0'0") ARE TAKEN IN RELATION TO TOP OF ROOF SLAB WHICH IS EL.(+442'-0").
4. FOR ALL MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS AND SECTIONS SEE DWG. A.F.-100
6. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATION ARE (0'0") UNLESS OTHERWISE SHOWN OR NOTED.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS 3" OR LESS DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 1" HIGH HORIZONTAL. SEE TYPICAL DETAILS ON DWG. # A.F.-124.
8. FOR PARTITION, BEAM AND COLUMN FIREPROOFING CONSTRUCTION DETAILS SEE DWG. # A.F.-123

NORTH

PLAN @ ROOF
STAIR No. 4

PLAN @ ROOF
STAIR No. 3

MECHANICAL EQUIPMENT ROOM
PLENUM AREA # 2
FIN. FL. EL. (-0'-2")
TOP OF SLAB EL. (TO 0'0")

NOTES:
1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 3" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (0'0") AT ALL CURBS & PARTITIONS. SEE TYPICAL DETAILS ON DWG. # A.F.-124
3. PROVIDE PARTITION CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG. # A.F.-124
4. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF FLOOR OR MECHANICAL EQUIP. ROOM PLENUM AREA # 2 (9TH FL. CEIL.)
5. TOP OF ALL CONC. CURBS OTHER THAN AT PERIMETER WALL SHALL BE (1'-0") ABOVE FINISHED FLOOR, UNLESS OTHERWISE SHOWN OR NOTED. SEE TYPICAL DETAILS DWG. # A.F.-124

SOUTH CORE

RECEIVED
OCT 23 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
230 PARK AVE. N.Y.C.

CONTRACT BID DRAWING date 11-21-75

NO.	DATE	SUB. NO.	BY
1	10-17-75	F-8	W.K.
2	7-19-76	10/1*1	L.H.
3	10-19-76	10/1*1	L.H.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

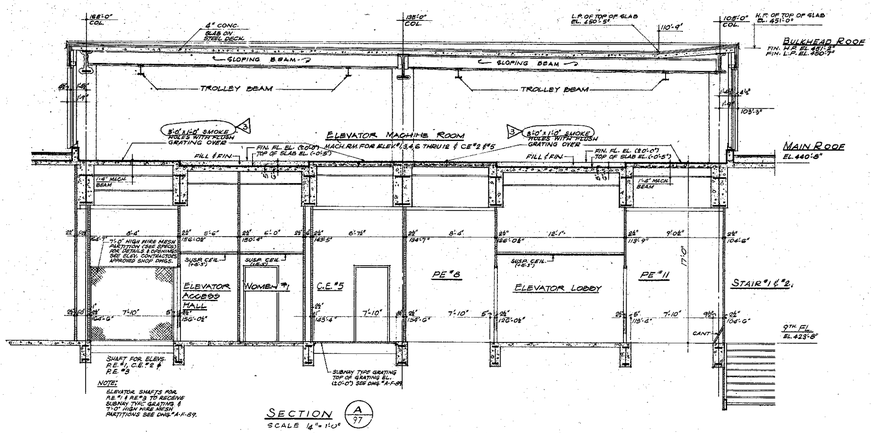
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY, ROTH & SONS
RICHARD ROTH, ARCHITECT

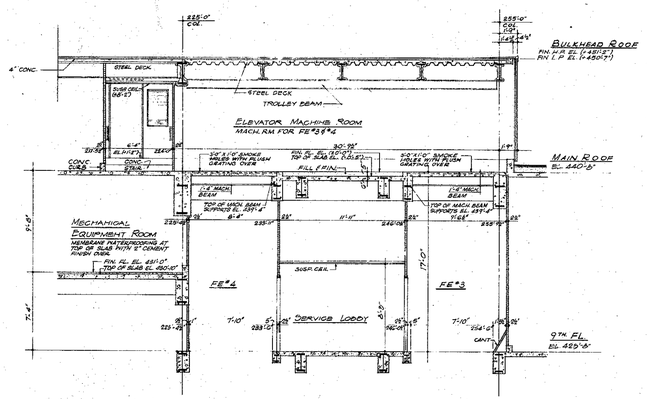
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BLDG.
BULKHEAD CORE PLAN

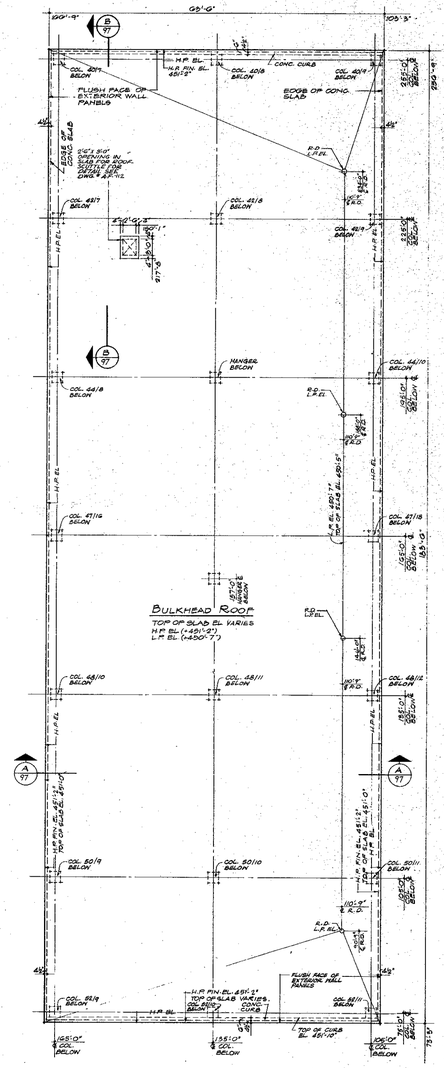
DRAWN	CHECKED
SCALE 1/4"=1'-0"	DATE 11-15-75
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A·F·96



SECTION A/97
SCALE 1/4"=1'-0"



SECTION B/97
SCALE 1/4"=1'-0"



BULKHEAD ROOF PLAN
SCALE 1/8"=1'-0"

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-F-1 TO A-F-5.
2. ALL ELEVATIONS GIVEN THUS (± 0'-0") ARE TAKEN IN RELATION TO TOP OF SLAB.

CONSTRUCTION DRAWINGS date 11-21-73

NO.	DATE	SUB. NO.	BY
REVISIONS			
△	10-17-75	F-13	L.J.
△	4-29-76	F-1	L.J.
△	7-15-76	REV'N	L.H.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

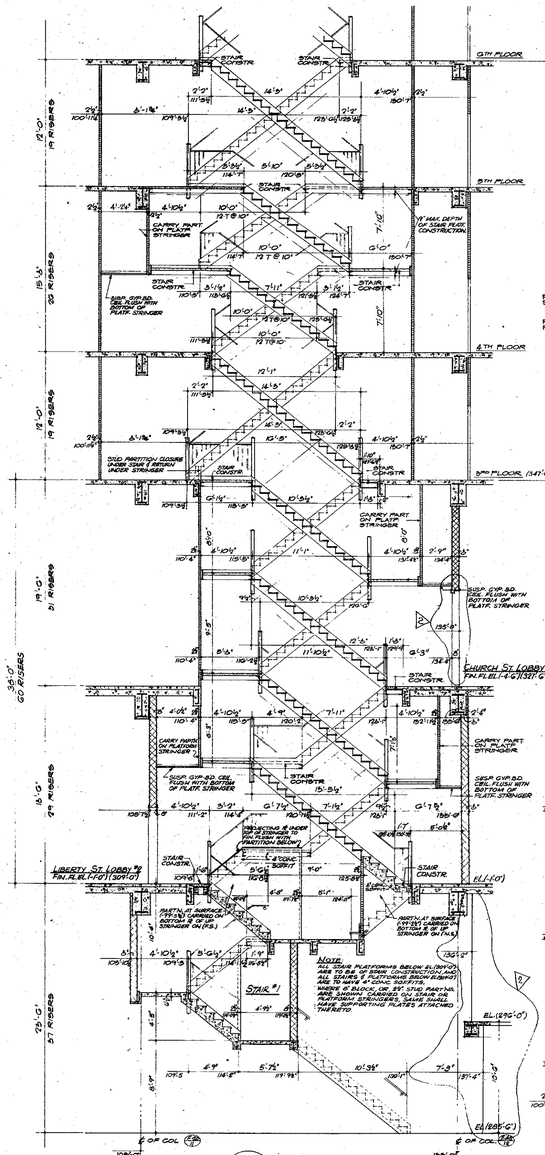
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTH 1ST PLAZA BLDG.
BULKHEAD ROOF PLAN & SECTIONS

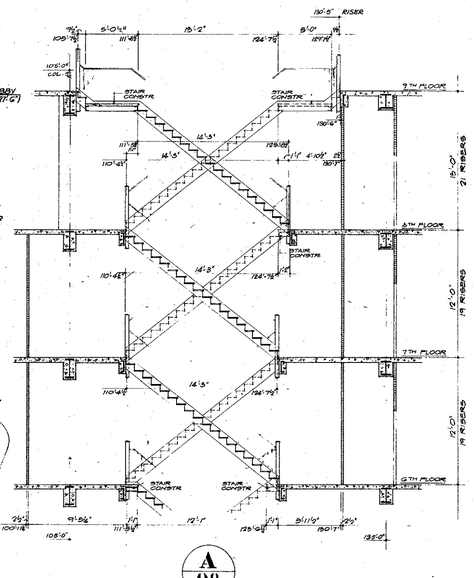
DRAWN		CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-97		



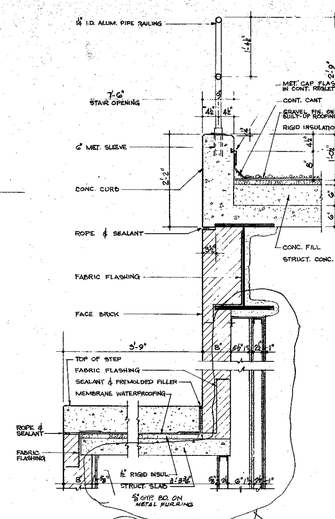
A 98

SECTIONS THRU STAIRS #1 & #2

SCALE: 1/8" = 1'-0"



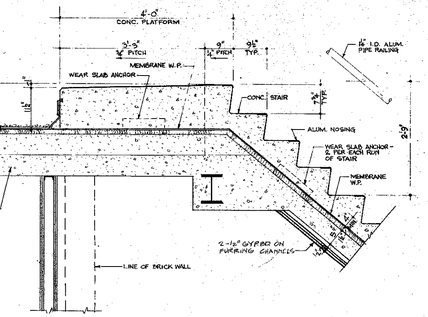
A 98



AA 98

SECTION THRU STAIR & ROOF

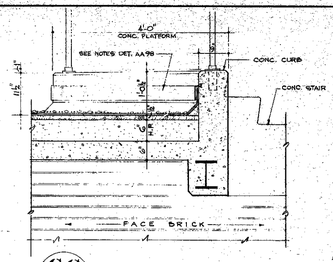
SCALE: 1" = 1'-0"



BB 98

SECTION THRU PLATFORM & STAIR

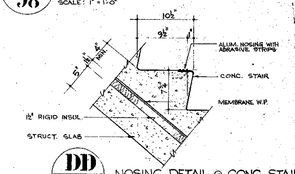
SCALE: 1" = 1'-0"



CC 98

SECT. THRU CURB @ ROOF STAIR WELL

SCALE: 1" = 1'-0"



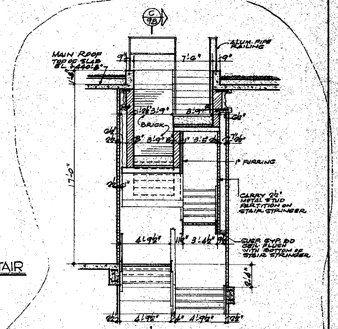
DD 98

NOSING DETAIL @ CONC. STAIR

SCALE: 12" = 1'-0"

NOTES

1. FOR GENERAL NOTES KEY TO MATERIALS, ABBREVIATIONS AND SYMBOLS SEE A/98 SCHEDULE OF DRAWINGS & GENERAL NOTES TO SHTS.
2. ALL ELEVATIONS INDICATED THUS (12'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. FOR TYPICAL STAIR DETAILS & SECTIONS SEE DWG # A/P-100.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS H.V.C. DUCTS, STAIR PASSAGES, ETC. BOTTOM ELEVATION OF CONC. PLANK AND DUCT WORK SHALL BE MAINTAINED AT 7'-6" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
7. ALL PARTITIONS SHOWN UNMATCHED ARE NOT INCLUDED IN THIS CONTRACT



EE 98

FF 98

B 98

SECTIONS THRU STAIRS #3 & #4

SCALE: 1/4" = 1'-0"

C 98

STAIR #3 OPPOSITE HAND

D 98

STAIR #4

1 1/2"=1'-0" 0 3" 6" 1'
1"=1'-0" 0 1' 2' 3' 4' 8' 12'
1/4"=1'-0"

CONTRACT RID DRAWING date 11-21-75

NO.	DATE	REVISIONS	BUL. NO.	BY
1	10-17-76	F-8		L.J.
2	7-17-76	10-41		L.J.

RECEIVED

OCT 23 1975

SKILLING-HELLE CHRISTIANSEN-ROBERTSON

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

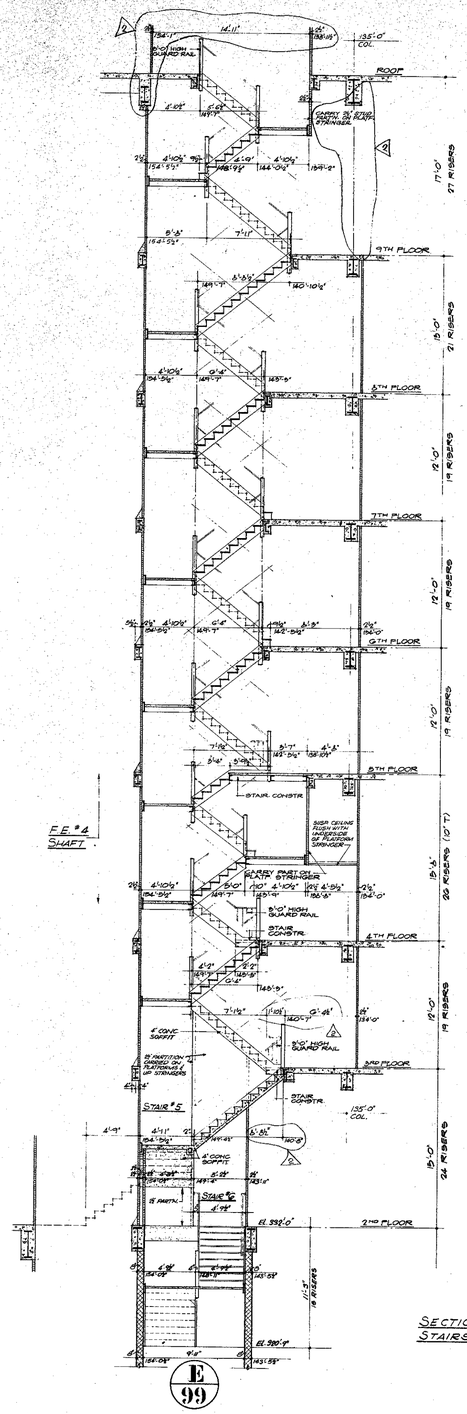
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

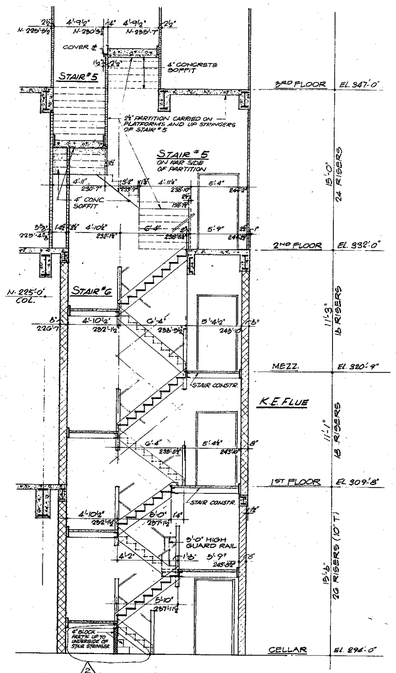
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: Southeast Plaza Bldg. Stair Section Stairs 1&2-3&4

DRAWN		CHECKED	
SCALE	AS NOTED	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-98		

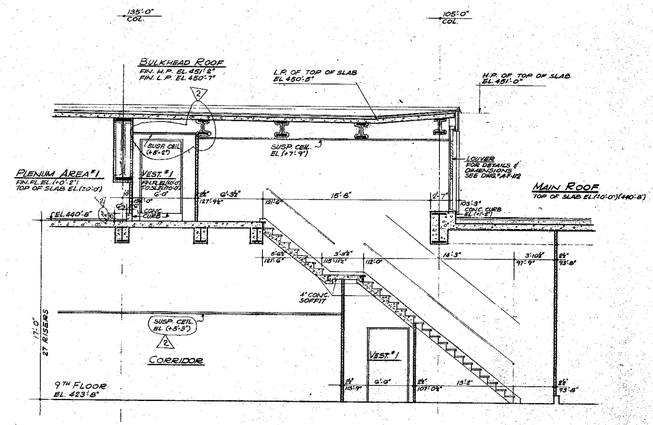


E/99

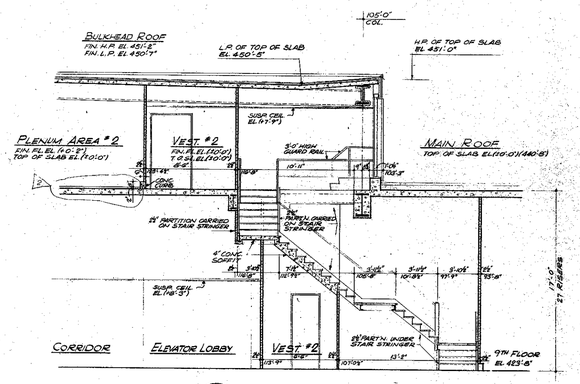


F/99

SECTIONS THRU STAIRS #5&6



SECTION G/99 THRU STAIR #1 FROM 9TH FL. TO BULKHEAD



SECTION H/99 THRU STAIR #2 FROM 9TH FL. TO BULKHEAD

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DWG # A-F-1 TO A-F-5.
2. ALL ELEVATIONS INDICATED THUS (1'-0") ARE TAKEN IN RELATION TO FINISH FLOOR.
3. FOR ALL MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. FOR TYPICAL STAIR DETAILS SEE DWG # A-F-100
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE (-0'-0") (UNLESS OTHERWISE SHOWN OR NOTED)
6. WHERE NO SUPERIMPOSED LOADING ARE CALLED FOR SUCH AS IN CLOSETS STAIR PLATFORMS ETC. A SECTION ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE SUBMITTED AT SHOP DRAWING STAGE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

RECEIVED
OCT 23 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
230 PARK AVE. N.Y.C.

1/4"-1'-0" 0 1' 2' 3' 4' 8' 12'

CONTRACT 8ED DRAWING date 11-21-75

NO.	DATE	REVISIONS	BY
2	10-17-75	F.I.S.	L.J.
1	7-17-74	REVISED	L.J.

NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

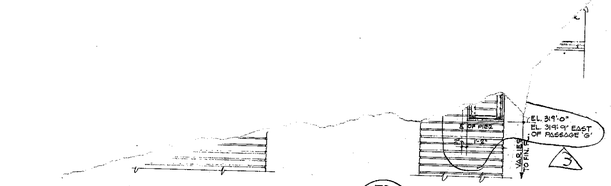
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

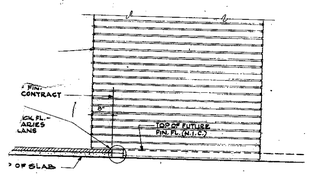
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BLDG
STAIR SECTION
STAIRS 5&6 - 162

DRAWN		CHECKED	
SCALE	4"=1'-0"	DATE	11-15-73
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-F-99		

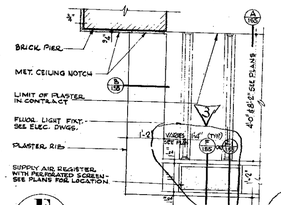


THRU CONT. LIGHTING RECESS

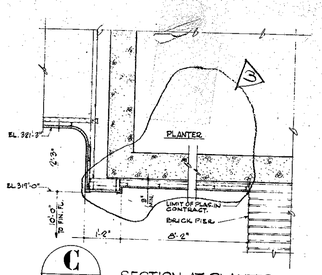


ON THRU FLOOR FINISH AT BRICK PIER
3" = 1'-0"

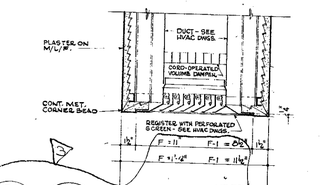
B 455 SECTION THRU RETURN OF PLASTER RIB
SCALE: 3" = 1'-0"



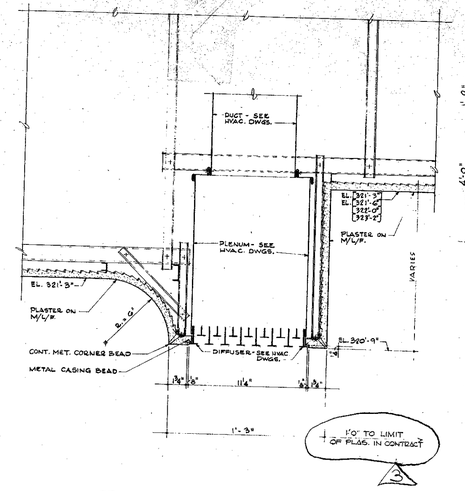
E 455 REFLECTED CEILING PLAN AT PLASTER RIB
SCALE: 3" = 1'-0"



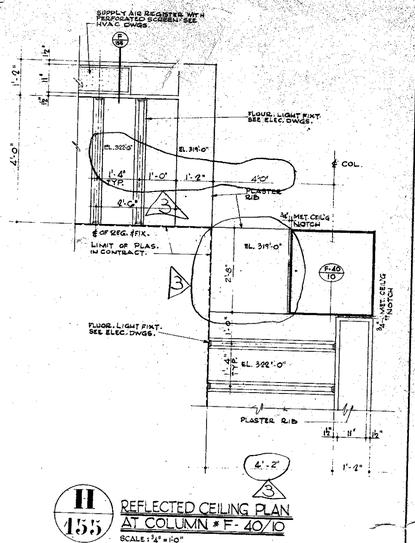
C 455 SECTION AT PLANTER
SCALE: 3" = 1'-0"



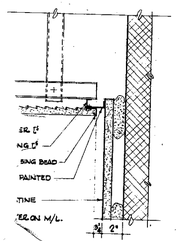
F1 455 F 455 SECTION THRU REGISTER AT PLASTER RIB
SCALE: 3" = 1'-0"



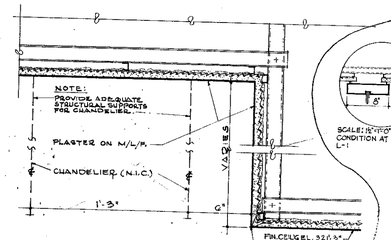
G 455 SECTION THRU LINEAR DIFFUSER AT PLASTER RIB
SCALE: 3" = 1'-0"



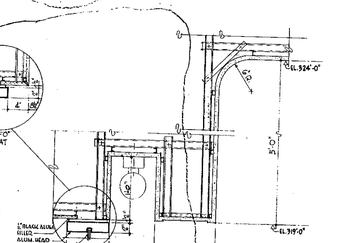
H 455 REFLECTED CEILING PLAN AT COLUMN # F-40/10
SCALE: 1/4" = 1'0"



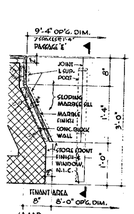
NG NOTCH DETAIL AT COLS.
NG CONTROL JOINT DETAIL
SCALE = 3" = 1'-0"



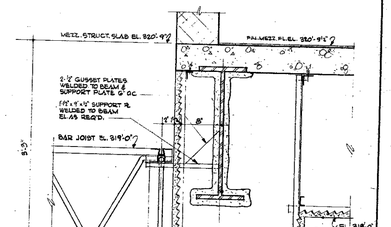
K 455 SECTION THRU CHANDELIER RECESS
SCALE = 3" = 1'-0"



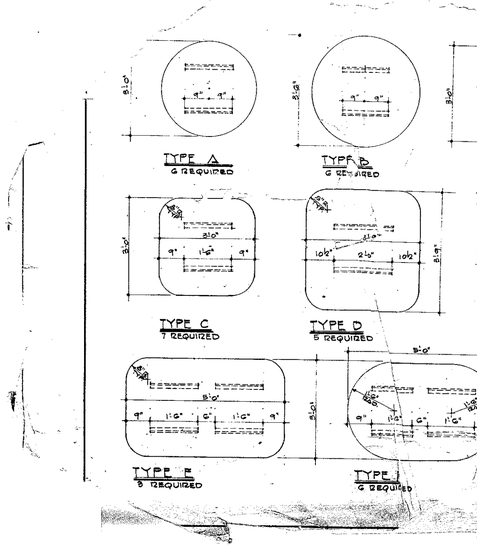
EL-1 455 SECTION THRU PLASTER RIB & LIGHT TROUGH
SCALE = 1 1/2" = 1'-0"



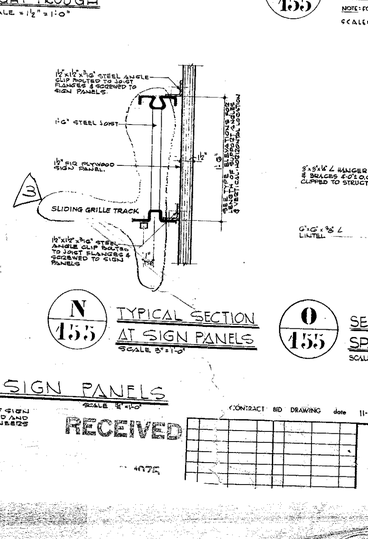
M 455 JAMB DETAIL W/ REFL. CEILING PLAN & SECTION THRU PASSAGE E WINDOW
SCALE: 1" = 1'-0"



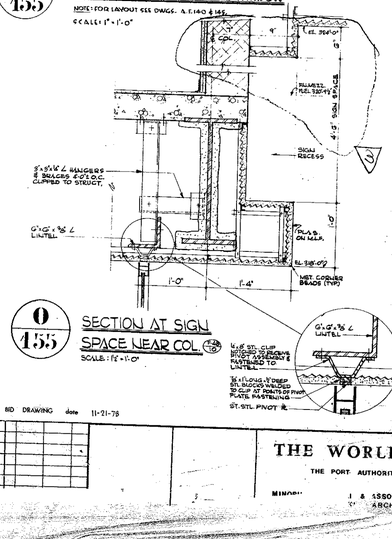
P 455 BAR JOIST SUPPORT AT HEAD OF STAIR W-1
SCALE: 1" = 1'-0"



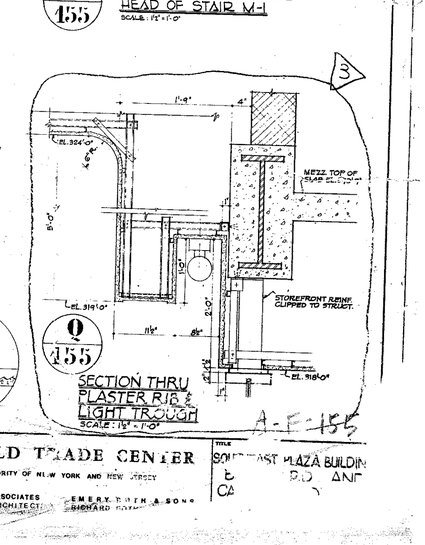
TYPICAL SIGN PANELS
SCALE 3/4"=1'0"
NOTE: NORMAL LOCATION OF SIGN PANELS AS DIRECTED AND APPROVED BY ENGINEERS



N 455 TYPICAL SECTION AT SIGN PANELS
SCALE 3"=1'0"



O 455 SECTION AT SIGN SPACE NEAR COL
SCALE: 1" = 1'-0"



Q 455 SECTION THRU PLASTER RIB & LIGHT TROUGH
SCALE: 1" = 1'-0"

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1975

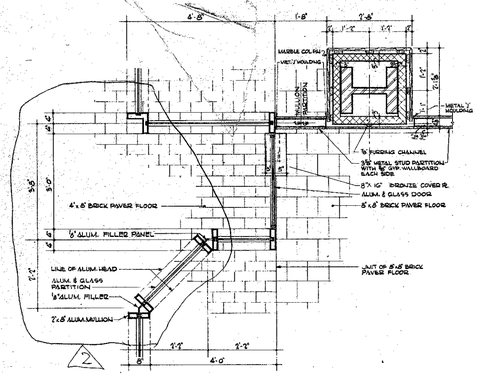
CONTRACT BID DRAWING date 11-21-75

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

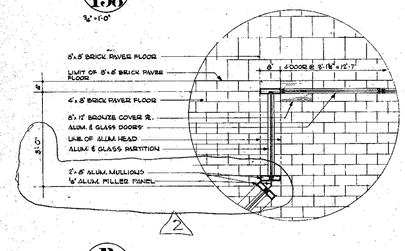
MINORU YAMASAKI & ASSOCIATES ARCHITECTS — EMERY ROTH & SONS — HOWARD ROVSAIX

TITLE: SOUTHEAST PLAZA BUILDING & CANOPY

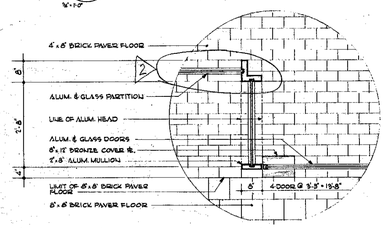
A-F-156



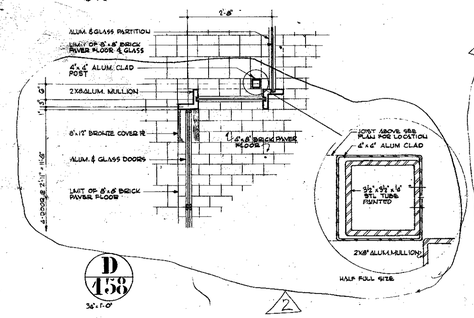
A 4/58
¾"=1'-0"



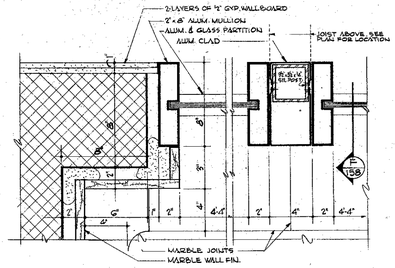
B 4/58
¾"=1'-0"



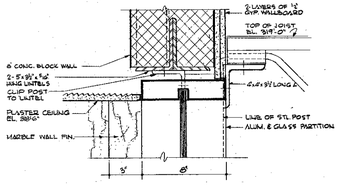
C 4/58
¾"=1'-0"



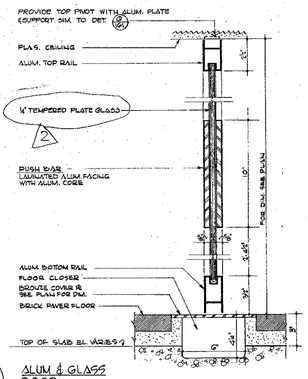
D 4/58
¾"=1'-0"



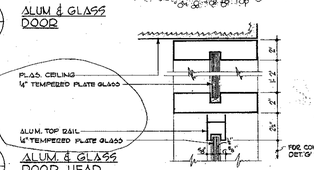
E 4/58
3"=1'-0"



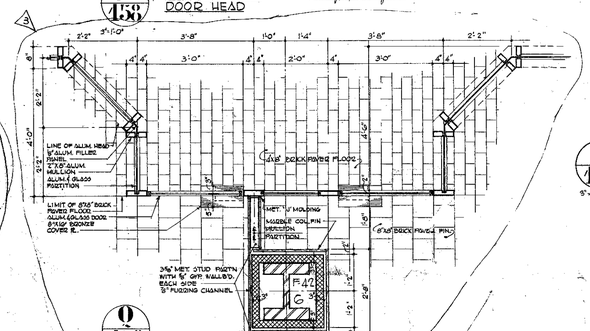
F 4/58
3"=1'-0"



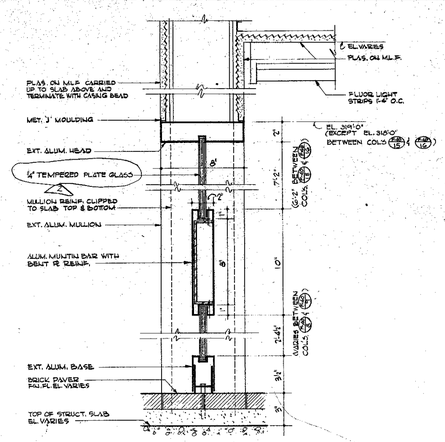
G 4/58
ALUM. & GLASS DOOR
3"=1'-0"



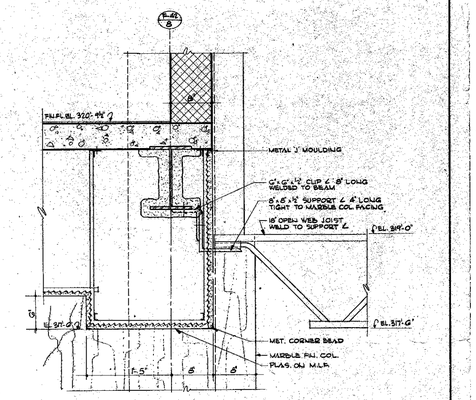
H 4/58
ALUM. & GLASS DOOR HEAD
3"=1'-0"



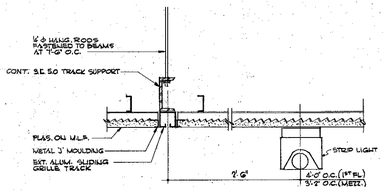
O 4/58



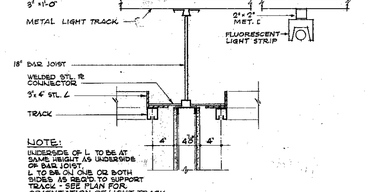
I 4/58
TYPICAL STOREFRONT SECTION
3"=1'-0"



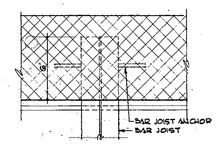
J 4/58
DROPPED BEAM SOFFIT AT COL. (4-41/8)
1½"=1'-0"



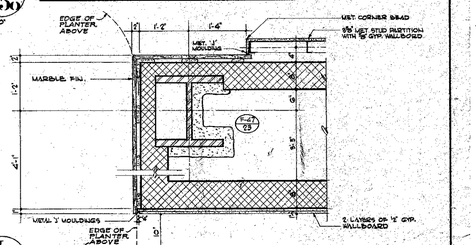
K 4/58
SLIDING METAL GRILLE TRACK AND STRIP LIGHT IN PLASTER CEILING
3"=1'-0"



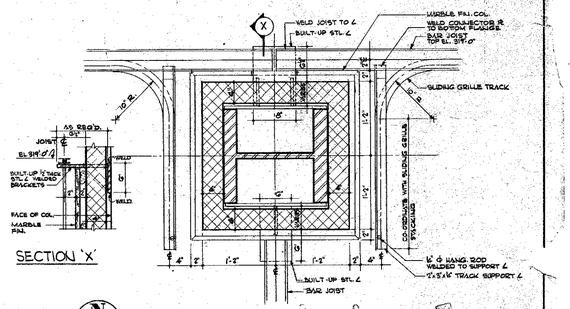
M 4/58
SLIDING GRILLE STACKING SUPPORT
1½"=1'-0"



P 4/58
BAR JOIST SUPPORT AT CONC. BLOCK WALL
3"=1'-0"



L 4/58
FINISH AT COL. (4-41/8)
1"=1'-0"


WELD JOIST TO ∠ BUILT-UP STL. ∠
MARBLE FILL COL. WELD CONNECTOR TO BUILT-UP GIRDER
BAR JOIST TOP EL. 9'-1"
SLIDING GRILLE TRACK
BUILT-UP STL. ∠ WELDED TO BEAM
JOINT
EL. 9'-4 1/2"
BUILT-UP STL. ∠ WELDED BRACKETS
FACE OF COL. MARBLE FIN.
SECTION 'X'
SLIDING GRILLE WITH SLIDING GRILLE
W. ∅ HANG ROD WELDED TO SUPPORT ∠
3"x3"x¼" TRACK SUPPORT ∠
BUILT-UP STL. ∠
BAR JOIST
5'-0"
2'-6"
1'-5"
1'-5"
2'-6"
4'-6"
2'-6"
2'-6"
2

dpn 0

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

SOUTHEAST PLAZA BUILDING

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

'LLING HELLE CHRISTIANSEN & ROBERTSON
RUCTURAL ENGINEERS
" WORTHINGTON SKILLING HELLE & JACKSON

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
MECHANICAL, ELECTRICAL,
PAVING, UTILITIES & FOUNDATIONS



WORLD TRADE CENTER U.S. CUSTOM HOUSE
DRAWING INDEX

EL-0	WORLD TRADE CENTER U.S. CUSTOM HOUSE DRAWING INDEX
EL-1	PASSENGER & SERVICE ELEVATORS
EL-2	ELEVATOR SECTIONS & SERVICE ELEVATOR MACHINE ROOM PLANS
EL-3	ESCALATOR DETAILS

RECEIVED
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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th St., N.Y., N.Y. 10017

REVISIONS

NO.	DATE	BUL. NO.	BY
	1-16-69		GSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

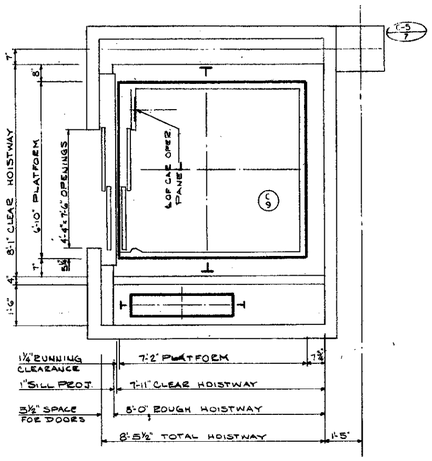
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

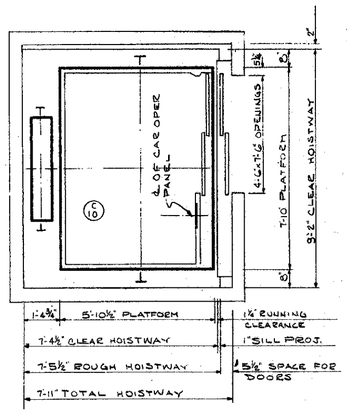
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
DRAWING INDEX

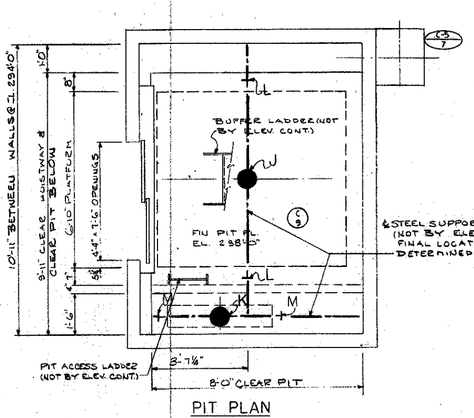
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	NONE	DATE	
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	EL-0		



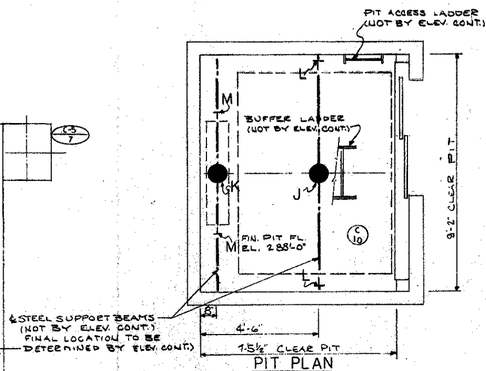
SERVICE ELEVATOR NO C-9
4000 LBS @ 350 F.P.M.
SCALE: ½" = 1'-0"



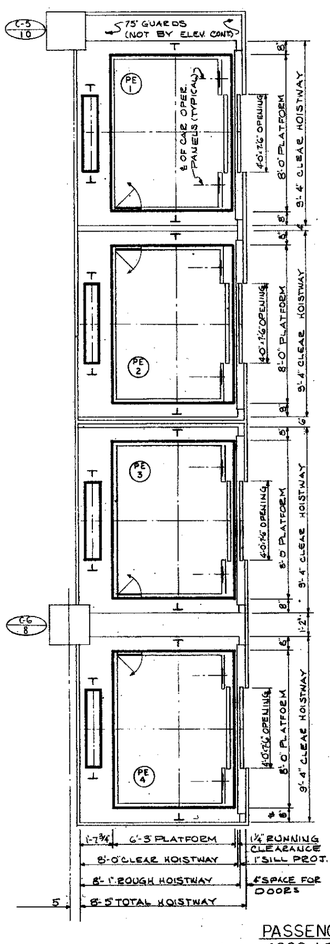
SERVICE ELEVATOR NO. C-10
3500 LBS. @ 350 F.P.M.
SCALE: ½" = 1'-0"

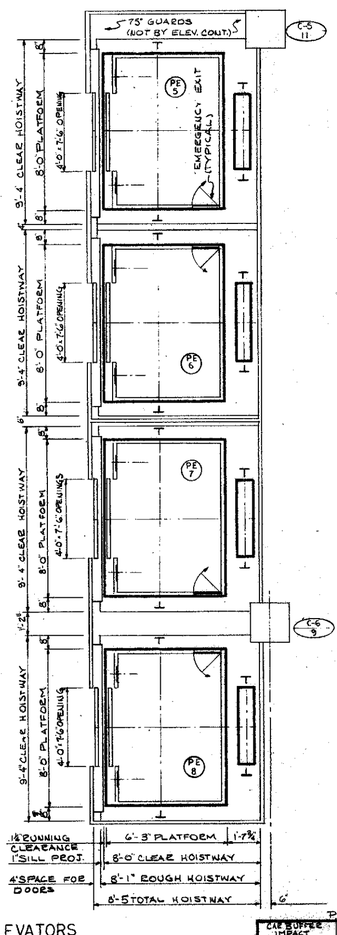


PIT PLAN
SERVICE ELEVATOR NO. C-9
SCALE: ½" = 1'-0"

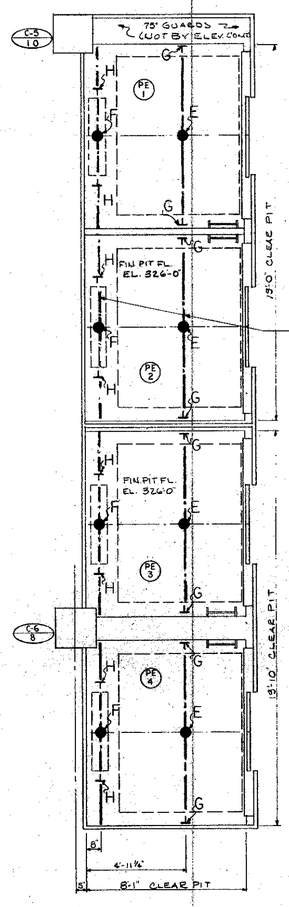


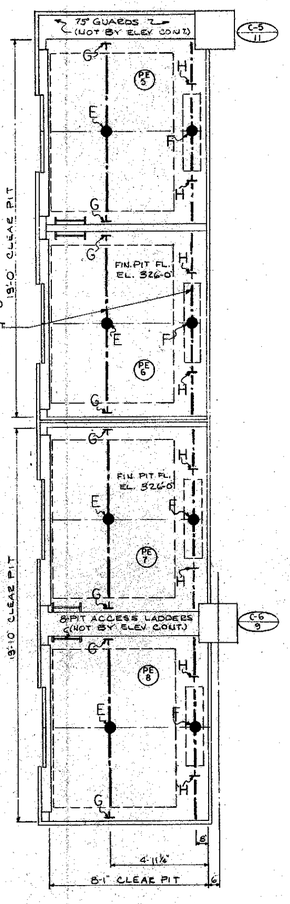
PIT PLAN
SERVICE ELEVATOR NO. C-10
SCALE: ½" = 1'-0"





PASSENGER ELEVATORS
4000 LBS. @ 350 F.P.M.
SCALE: ⅜" = 1'-0"

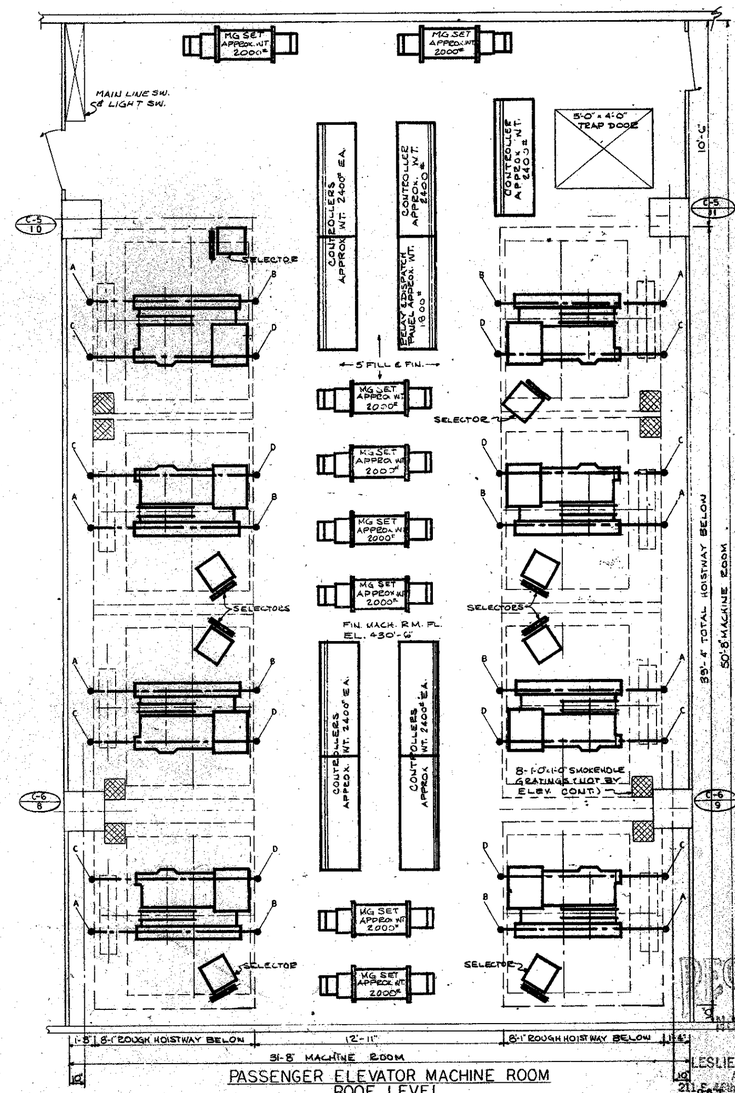




PIT PLAN
PASSENGER ELEVATORS
SCALE: ⅜" = 1'-0"

PIT REACTIONS					
CAR BUFFER IMPACT	E	82.0ᵏ	J	54.0ᵏ
CWT BUFFER IMPACT	F	85.0ᵏ	K	58.0ᵏ
CAR RAIL IMPACT	G	26.0ᵏ	L	28.0ᵏ
CWT RAIL IMPACT	H	21.2ᵏ	M	23.0ᵏ

NOTE: ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER. CAR BUFFERS, CWT BUFFERS, CAR RAILS & CWT RAILS ACT INDEPENDENTLY OF EACH OTHER.



PASSENGER ELEVATOR MACHINE ROOM
ROOF LEVEL
SCALE 3/8" = 1'-0"

REACTIONS	
A	24.5ᵏ
B	10.5ᵏ
C	12.6ᵏ
D	10.0ᵏ

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.

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NOV 19 1968

LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST. N.Y.N.Y. 10017

CONTRACT BID DRAWING Date 12-6-68

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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ELECTRICAL ENGINEERS

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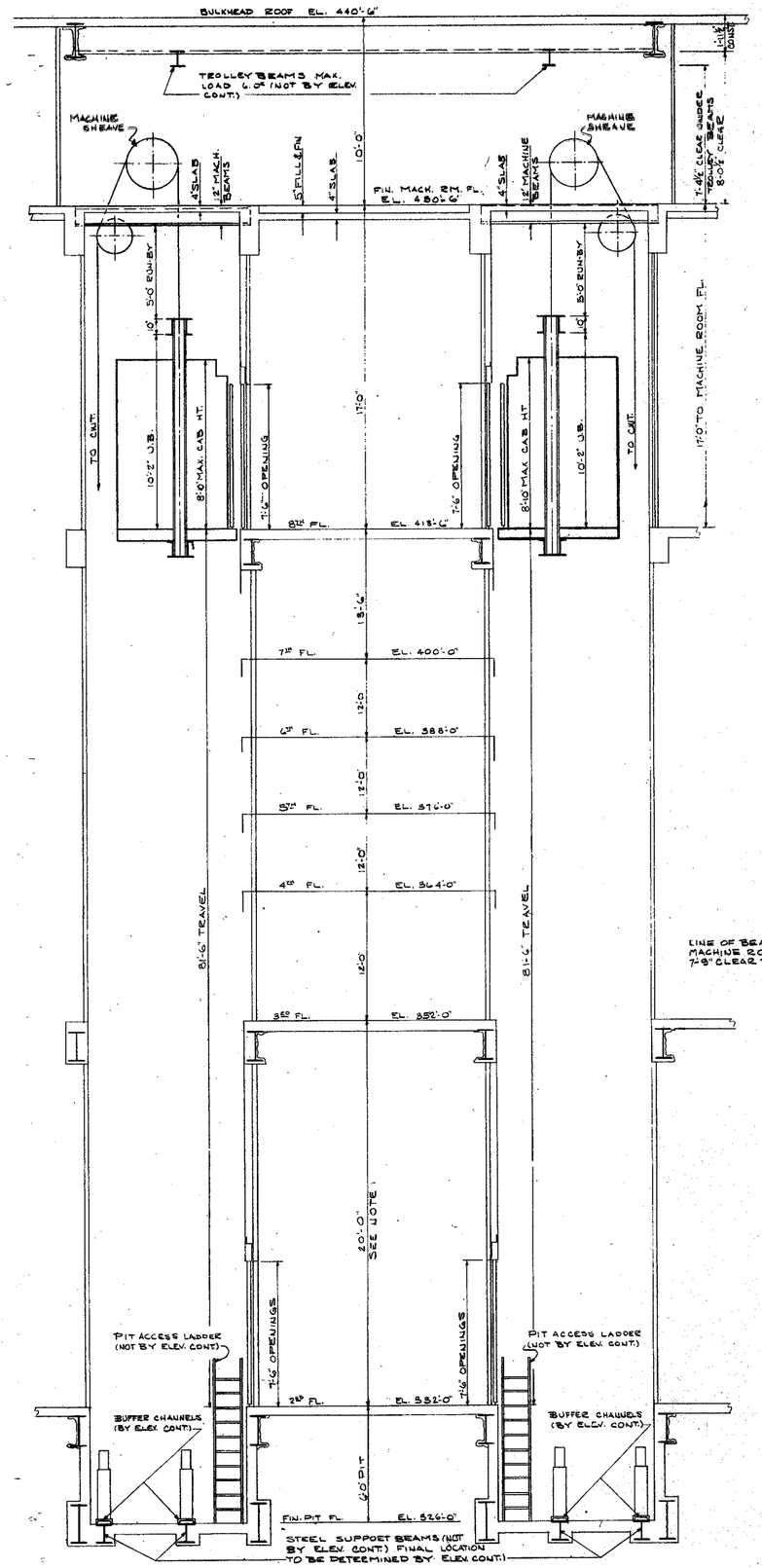
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

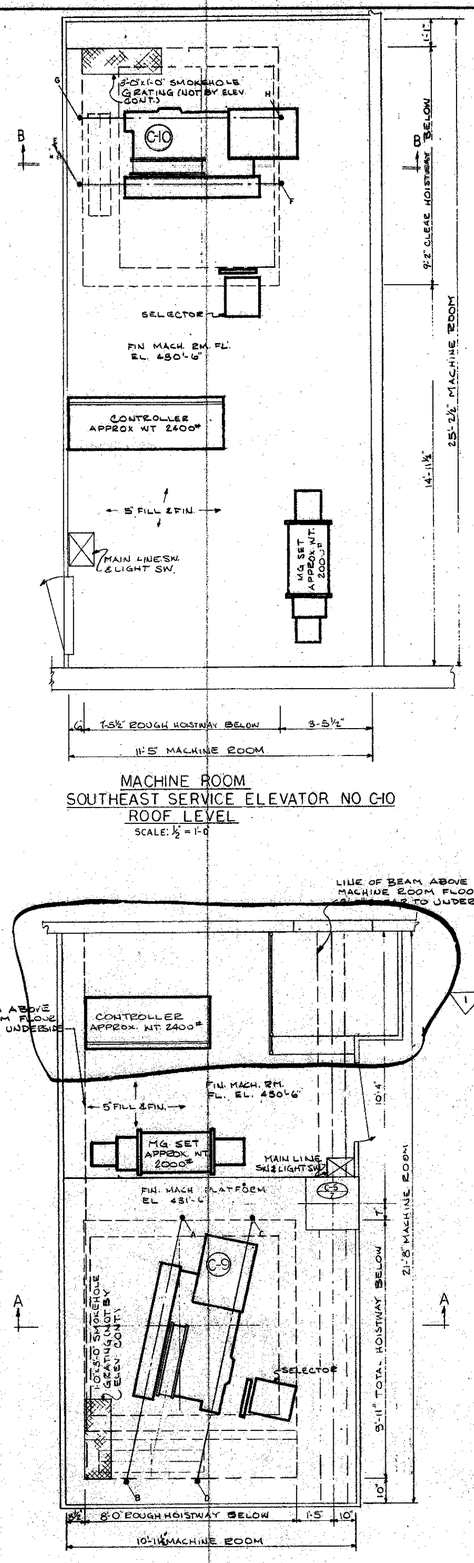
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
PASSENGER & SERVICE ELEVATORS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	12-6-68
PROJECT NUMBER		SHEET NO.	OF
DRAWING NUMBER	EL-1		



SECTION C-C
PASSENGER ELEVATORS
SCALE: 3/8" = 1'-0"

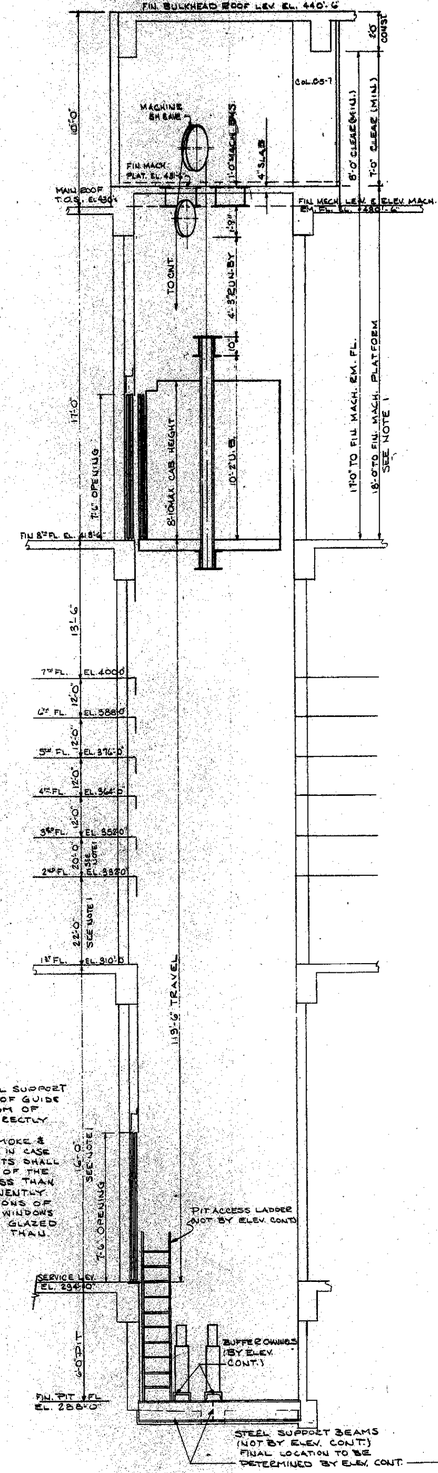


MACHINE ROOM
SOUTHEAST SERVICE ELEVATOR NO C-10
ROOF LEVEL
SCALE: ½" = 1'-0"

MACHINE ROOM
NORTHWEST SERVICE ELEVATOR NO. C-9
ROOF LEVEL
SCALE: ½" = 1'-0"

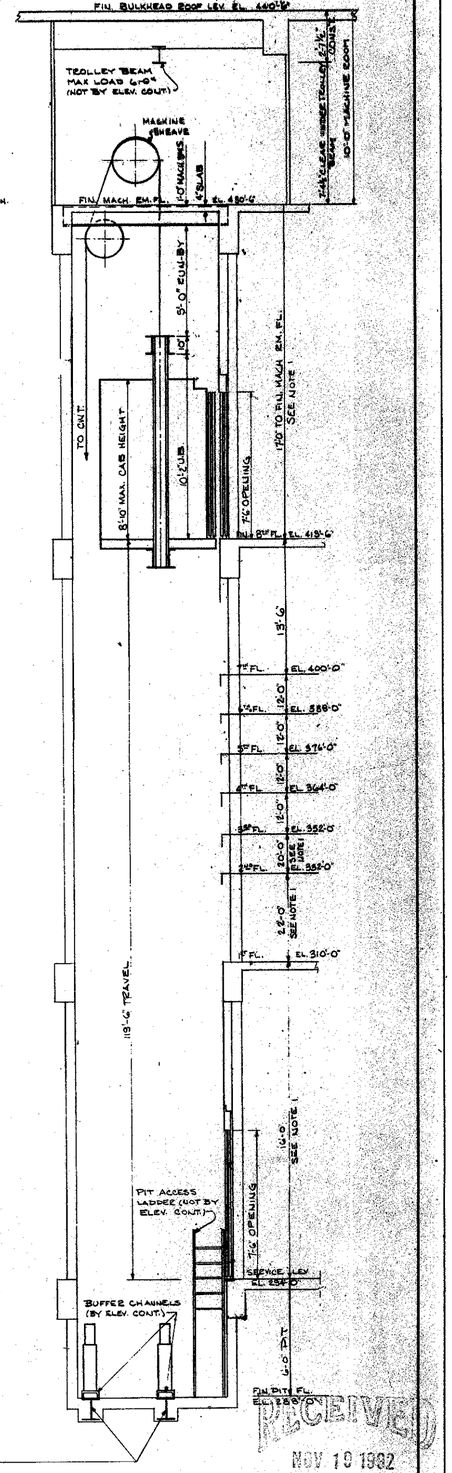
REACTIONS			
A	19.8K	E	23.0K
B	21.6K	F	18.0K
C	9.8K	G	13.5K
D	13.7K	H	10.2K

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.



SECTION A-A
SERVICE ELEVATOR NO. C-9
SCALE 3/8" = 1'-0"

NOTES:
1. MAXIMUM SPACING OF GUIDE RAIL SUPPORT BEAMS TO BE 14'-0" FROM TOP OF GUIDE RAIL SUPPORT BEAM TO BOTTOM OF GUIDE RAIL SUPPORT BEAM DIRECTLY ABOVE.
2. PROVIDE MEANS FOR VENTING SMOKE & HOT GASES TO THE OUTSIDE AIR IN CASE OF FIRE. THE AREA OF THE VENTS SHALL BE NOT LESS THAN 3 SQ. FT. OF THE REQUIRED VENT AREA. NOT LESS THAN ⅓ SHALL BE OF THE PERMANENTLY OPENED TYPE. CLOSED PORTIONS OF VENT AREA SHALL CONSIST OF WINDOWS SKYLIGHTS OR DUCT OPENINGS GLAZED WITH PLAIN GLASS NOT MORE THAN ⅛ INCH THICK.



SECTION B-B
SERVICE ELEVATOR NO C-10
SCALE: 3/8" = 1'-0"

CONTRACT BID DRAWING date 12-6-68

NO.	DATE	REVISIONS	BY
1	1-9-69		RSC

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
ELEVATOR SECTIONS & SERVICE ELEVATOR MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.R.
SCALE	AS NOTED	DATE	12-6-68
PROJECT NUMBER		SHEET NO.	
DRAWING NUMBER	EL-2		

RECEIVED
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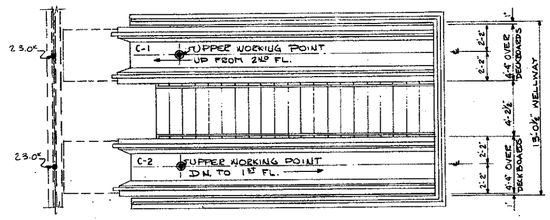
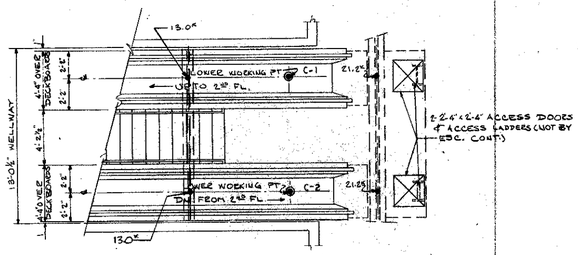
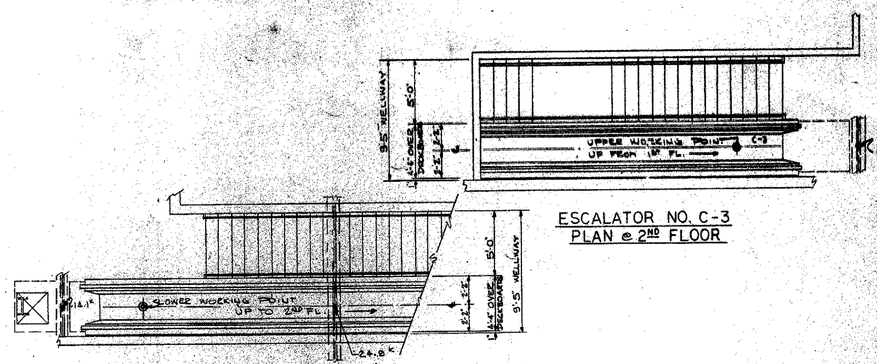
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



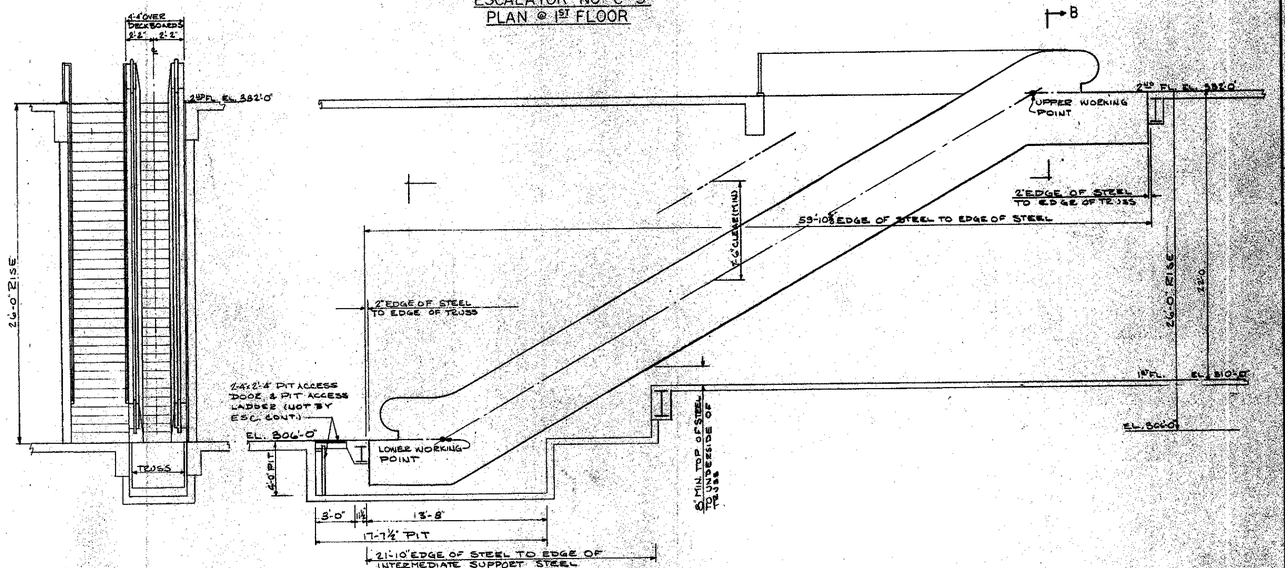
ESALATORS NOS. C-1 & C-2
PLAN @ 2ND FLOOR



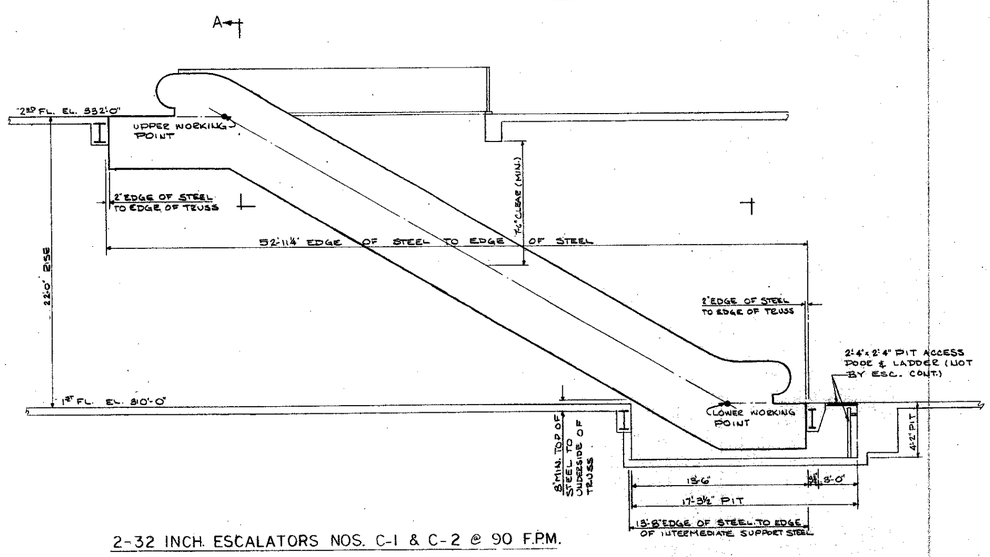
ESCALATORS NOS. C-1 & C-2
PLAN @ 1ST FLOOR



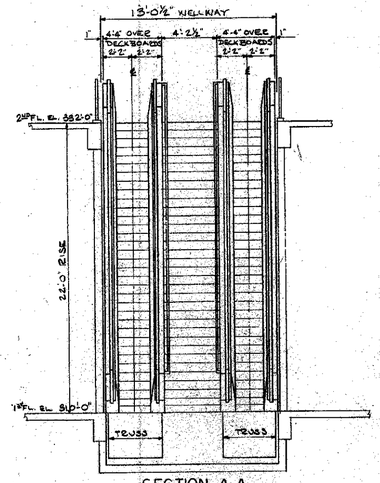
ESCALATOR NO. C-3
PLAN @ 1ST FLOOR



32 INCH ESCALATOR NO C-3 @ 90 F.P.M.



2-32 INCH. ESCALATORS NOS. C-1 & C-2 @ 90 F.P.M.



SECTION A-A

STRUCTURAL ENGINEER NOTE:
ESCALATOR LOADS ARE UNIFORMLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
ESCALATOR SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FIN. FLOOR.

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

CONTRACT "SD" DRAWING date 12-6-68

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

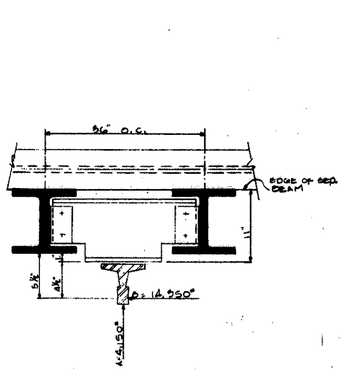
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

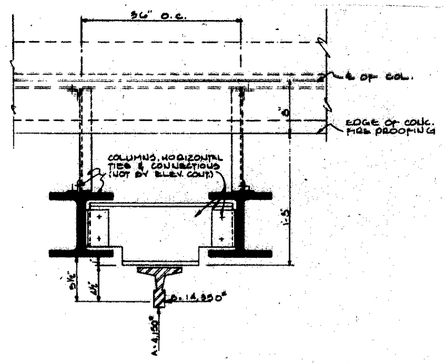
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: US CUSTOM HOUSE
ESCALATOR DETAILS

DRAWN	RSC	CHECKED	DLR
SCALE	¼"=1'-0"	DATE	1/1968
PROJECT NO.		SHEET	49
DRAWING NO.	EL-3		

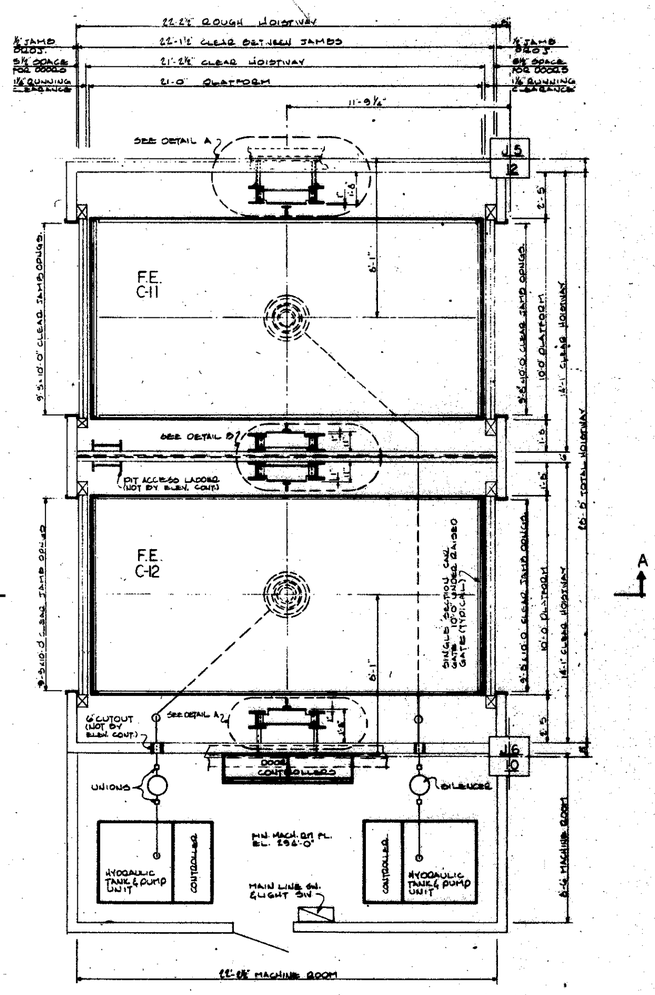


DETAIL B

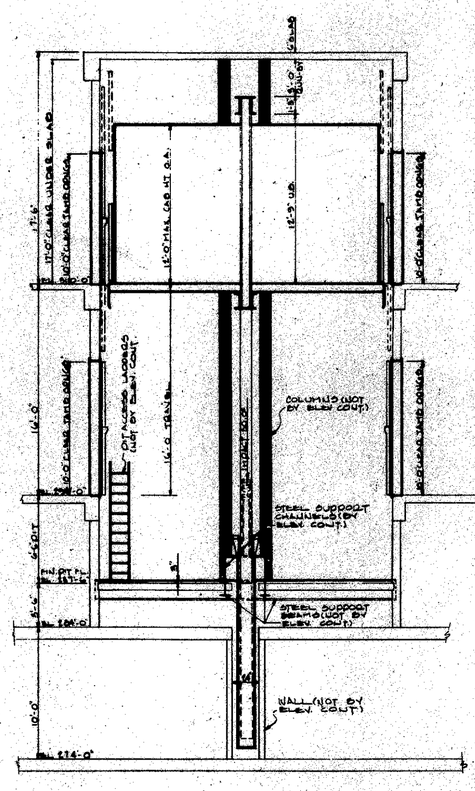


DETAIL A

MAXIMUM DEFLECTION DUE TO A: ⅝"
MAXIMUM DEFLECTION DUE TO B: 1½"
STRUCTURAL ENGINEERS TO PROVIDE HORIZONTAL TIES ON 2'-2" CENTERS



FREIGHT ELEVATORS NOS. C-11 & C-12
25000 LBS. • 20 F.P.M. (FULL LOAD UP)



SECTION A-A

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th St., N.Y., N.Y. 10017

11-2-10 C-10 ESC.			
REVISIONS		REVISIONS	

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

APPROVED — CHIEF PLANNING ENGINEER — DATE

⅛"=1'-0"

TITLE: U.S. CUSTOM HOUSE
FREIGHT ELEVATORS NOS. C-11 & C-12

DRAWN	R.S.C.	CHECKED	C.E.K.
SCALE	⅛"=1'-0"	DATE	11-2-10
PROJECT APPROVED		SHEET	OF
DESIGN APPROVED	EL-4		

L-G- ELEVATORS
L-J-1 5/15/67

BELOW GRADE DRAWING INDEX

L-J-1	BELOW GRADE DRAWING INDEX
L-J-2	ELEVATOR DETAILS-ELEVATORS NOS. J-1, J-2 & J-3
L-K-1	ELEVATOR DETAILS-ELEVATORS NOS. K-2 THRU K-5
L-K-2	ELEVATOR DETAILS-ELEVATORS NOS J-4, K-1 & P-1
L-K-3	ESCALATOR DETAILS-ESCALATORS NOS. P-1 THRU P-8
L-K-4	ESCALATOR DETAILS-ESCALATORS NOS. P-11 THRU P-18 & K-1, K-2 & K-3
L-K-5	ESCALATOR DETAILS-ESCALATORS NOS. P-19 THRU P-27 & P-9 & P-10
L-K-6	BELOW GRADE ESCALATOR PLOT PLAN

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 45th ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
1	5-23-67	—	RSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

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THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: BELOW GRADE DRAWING INDEX

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	NO SCALE	DATE	5-15-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-J-1		

OVERHEAD REACTIONS

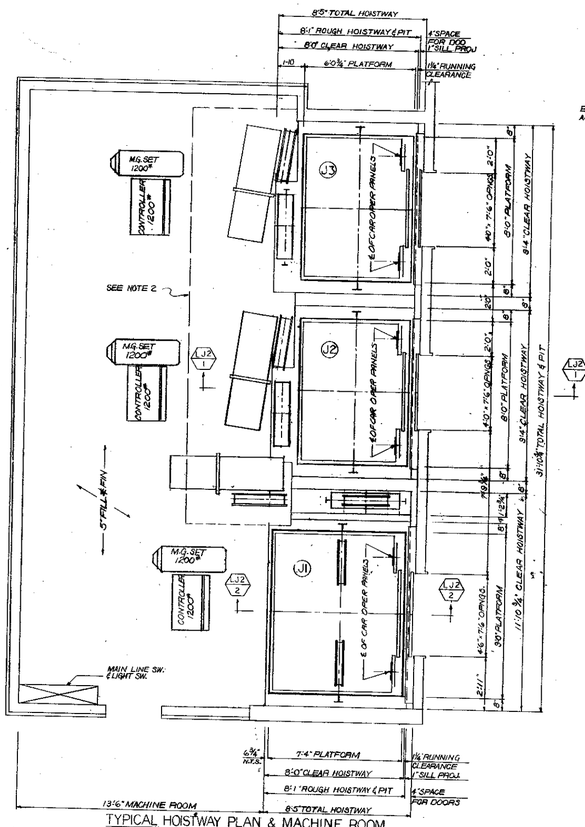
A	9.0ᴷ	E	7.0ᴷ	K	9.0ᴷ	Q	3.0ᴷ
B	10.0ᴷ	F	8.0ᴷ	M	20.0ᴷ	R	5.0ᴷ
C	10.0ᴷ	G	16.0ᴷ	N	12.0ᴷ	S	7.0ᴷ
D	25.5ᴷ	J	10.9ᴷ	P	12.0ᴷ	T	9.1ᴷ

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

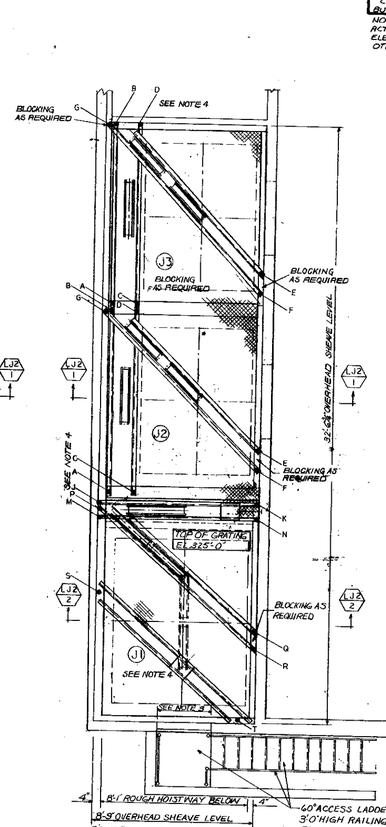
PIT REACTIONS

CAR BUFFER SHAFT	AA	48.0ᴷ	DD	72.0ᴷ
RAIL	CC	24.0ᴷ	FF	36.0ᴷ
CWT BUFFER	BB	48.0ᴷ	EE	72.5ᴷ

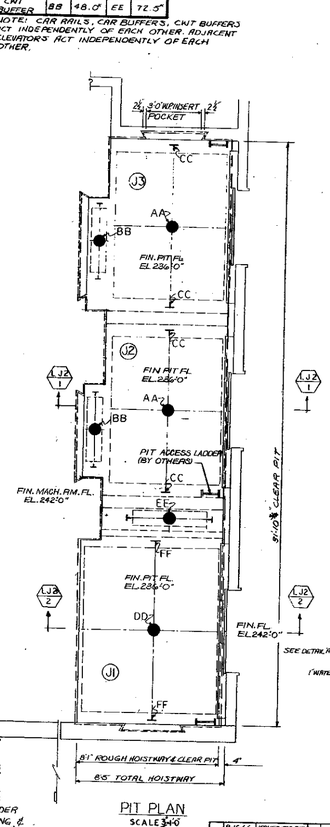
NOTE: CAR RAILS, CAR BUFFERS, CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.



TYPICAL HOISTWAY PLAN & MACHINE ROOM
ELEVATORS J2 & J3, 4000 LBS. @ 250 F.P.M.
ELEVATOR J1 6000 LBS @ 250 F.P.M.
SCALE 3/8" = 1'-0"

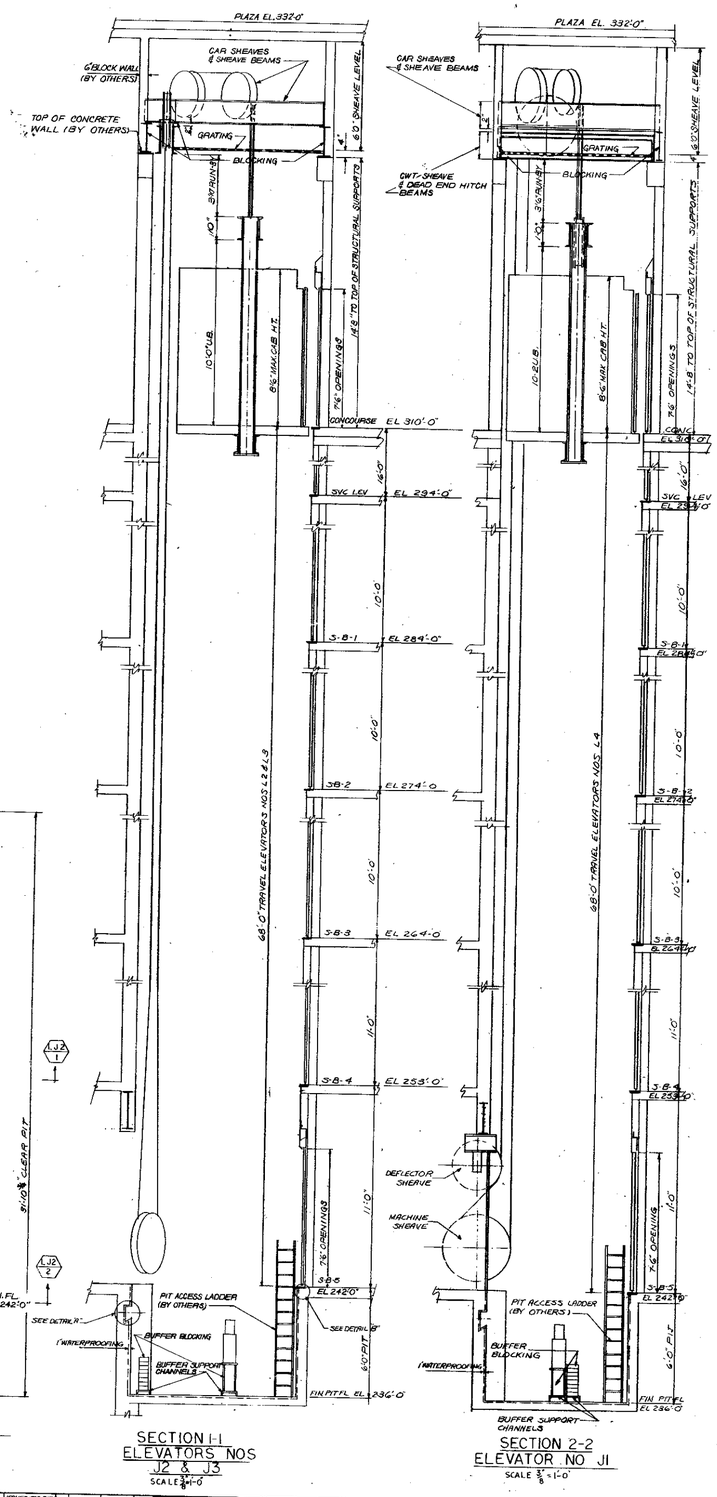


OVERHEAD SHEAVE LEVEL
SCALE 3/8" = 1'-0"



PIT PLAN
SCALE 3/8" = 1'-0"

NOTES
1 INSERTS TO BE FURNISHED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. INSERTS ABOVE 58'-5" TO BE POURED IN PLACE.
2 CONCRETE MACHINE FOUNDATIONS TO BE POURED MONOLITHICALLY & TIED INTO PIT & MACHINE ROOM FL. AFTER FOUNDATION BOLTS ARE SET. FINAL SIZE & LOCATION OF FOUNDATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.
3 30"x80" ACCESS DOORS & 60" ACCESS LADDER BY OTHERS.
4 CUTOUTS BY OTHERS. FINAL SIZE & LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.



SECTION 1-1
ELEVATORS NOS
J2 & J3
SCALE 3/8" = 1'-0"

SECTION 2-2
ELEVATOR NO J1
SCALE 3/8" = 1'-0"

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	SUB. NO.	BY
1	9-16-66	ISSUED FOR BID	
2	4-5-67	–	JMM
3	5-16-67	–	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

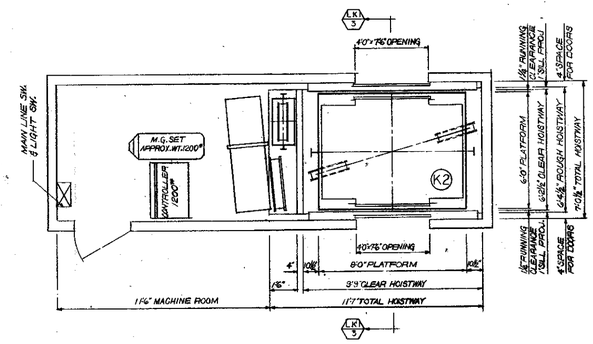
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

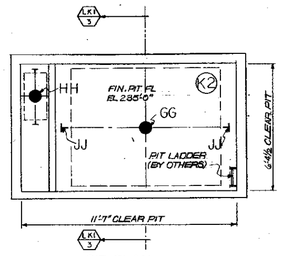
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR DETAILS
ELEVATORS NOS. J1, J2 & J3

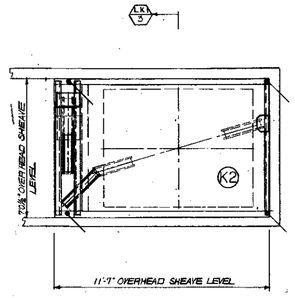
DRAWN	J.M.M.	CHECKED	CLK
SCALE	AS NOTED	DATE	9-16-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-J-2		



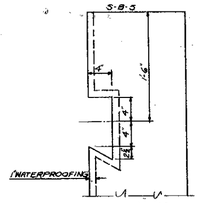
PLAN OF HOISTWAY & MACHINE ROOM
ELEVATOR NO. K-2 4000 LBS @ 200 F.P.M.
SCALE ⅜"=1'-0"



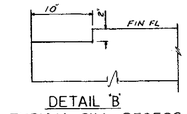
PIT PLAN
ELEVATOR NO. K2



OVERHEAD SHEAVE LEVEL
ELEVATOR K-2



DETAIL 'A'
SCALE 1½"=1'-0"



DETAIL 'B'
TYPICAL SILL RECESS
SCALE 1½"=1'-0"

OVERHEAD REACTIONS

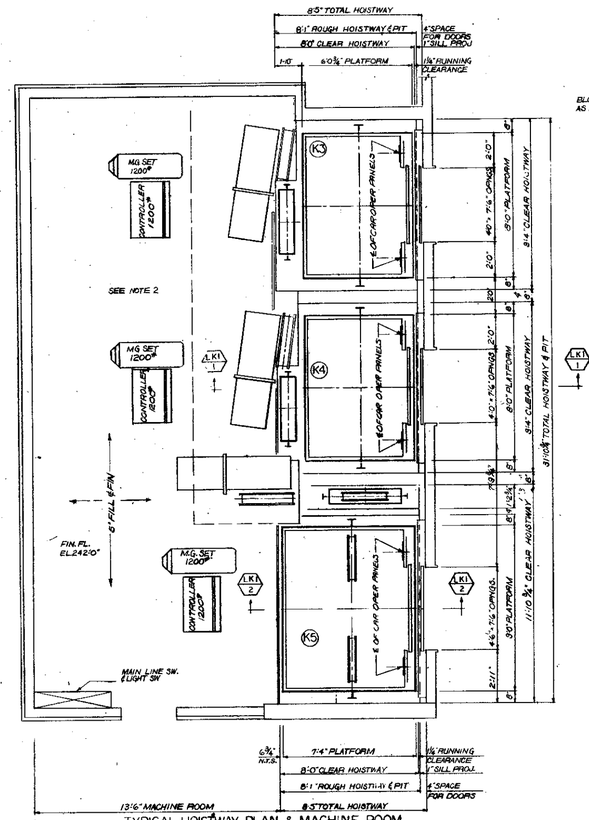
A	9.0K	G	16.0K	Q	3.8K	LL	7.8K
B	10.0K	J	10.8K	R	5.0K	MM	22.0K
C	10.0K	K	8.0K	S	7.0K	RR	7.5K
D	25.5K	M	20.0K	T	9.1K	SS	14.0K
E	7.0K	N	12.0K	VV	7.8K	TT	7.5K
F	8.0K	P	12.0K	KK	8.0K		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.

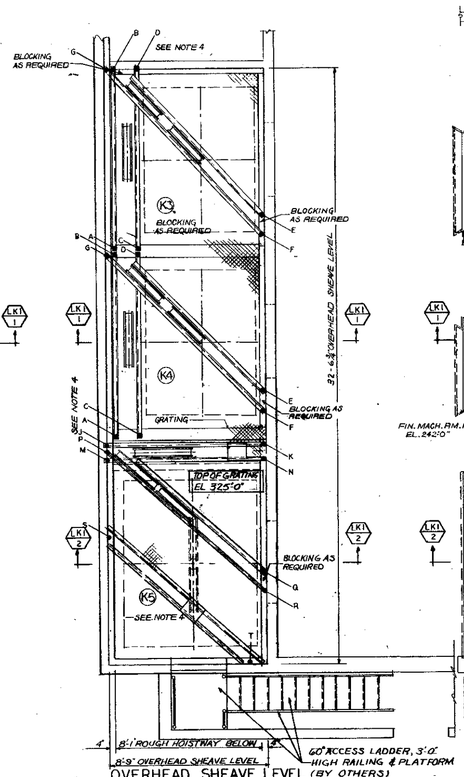
PIT REACTIONS

CAR BUFFER	AA	48.0K	DD	72.0K	GG	58.0K
CAR RAIL	CC	24.0K	FF	36.0K	JJ	28.0K
CWT BUFFER	BB	96.0K	EE	72.5K	HH	60.9K

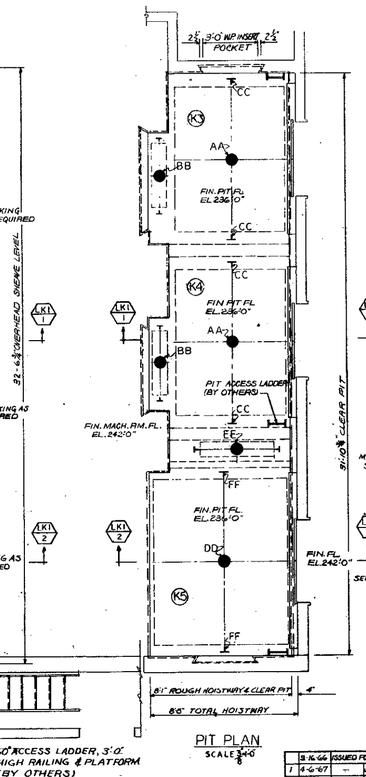
NOTE: CAR RAILS, CAR BUFFERS, & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.



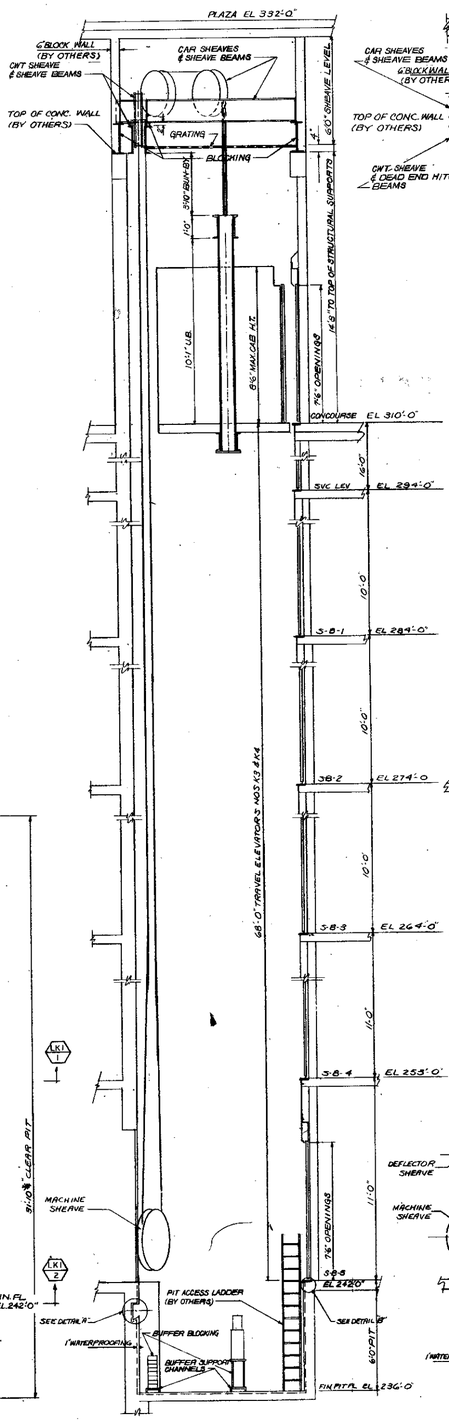
TYPICAL HOISTWAY PLAN & MACHINE ROOM
ELEVATORS K3 & K4, 4000 LBS @ 250 F.P.M.
ELEVATOR K5 6000 LBS @ 250 F.P.M.
SCALE ⅜"=1'-0"



OVERHEAD SHEAVE LEVEL
SCALE ⅜"=1'-0"



PIT PLAN
SCALE ⅜"=1'-0"



SECTION 1-1
ELEVATORS NOS. K3 & K4
SCALE ⅜"=1'-0"

SECTION 2-2
ELEVATOR NO K5
SCALE ⅜"=1'-0"

SECTION 3-3
ELEVATOR NO K-2

NOTES
1-INSERTS TO BE FURNISHED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. INSERTS ABOVE 58'-5" TO BE POURED IN PLACE.
2-CONCRETE MACHINE FOUNDATIONS TO BE POURED MONOLITHICALLY & TIED INTO PIT & MACHINE ROOM FL. AFTER FOUNDATION BOLTS ARE SET. FINAL SIZE & LOCATION OF FOUNDATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.
3-3'0" x 3'0" ACCESS DOOR & 60" ACCESS LADDER BY OTHERS.
4-CUTOUTS BY OTHERS. FINAL SIZE & LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.

NO.	DATE	SUB. NO.	BY
1	4-6-67	–	JMM
2	5-16-67	–	RSC
3	5-25-67	–	RSC

REVISIONS

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
EMERY ROTH & SONS
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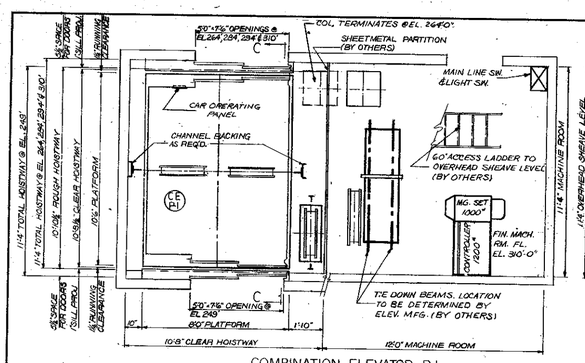
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

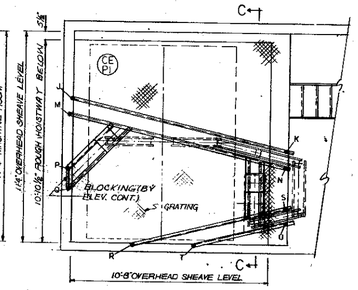
TITLE
ELEVATOR DETAILS
ELEVATORS NOS K2 THRU K5

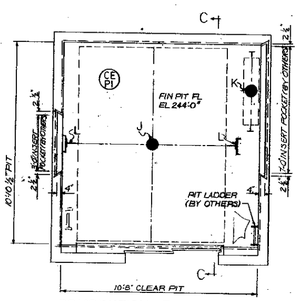
DRAWN	J.M.M.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	9-16-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-1		

SG - ELEVATORS
L-K-2 9/16/66

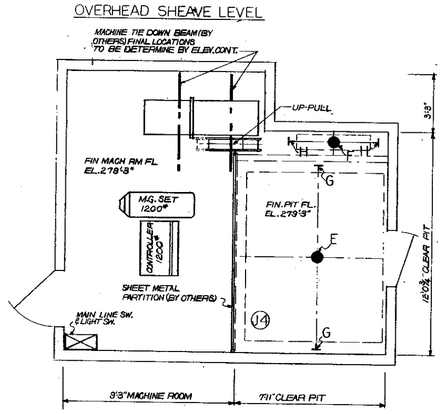


COMBINATION ELEVATOR P1
TYPICAL HOISTWAY & MACHINE ROOM PLAN
8000 LBS @ 100 FPM

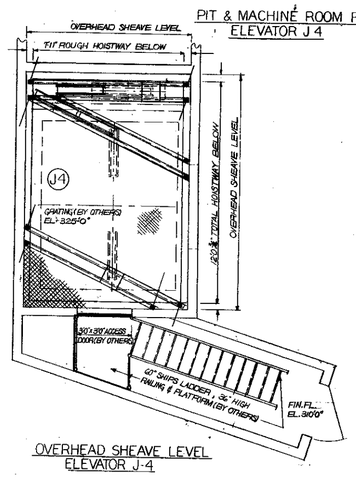




COMBINATION ELEVATOR P1
PIT PLAN



PIT & MACHINE ROOM PLAN
ELEVATOR J 4



OVERHEAD SHEAVE LEVEL
ELEVATOR J-4

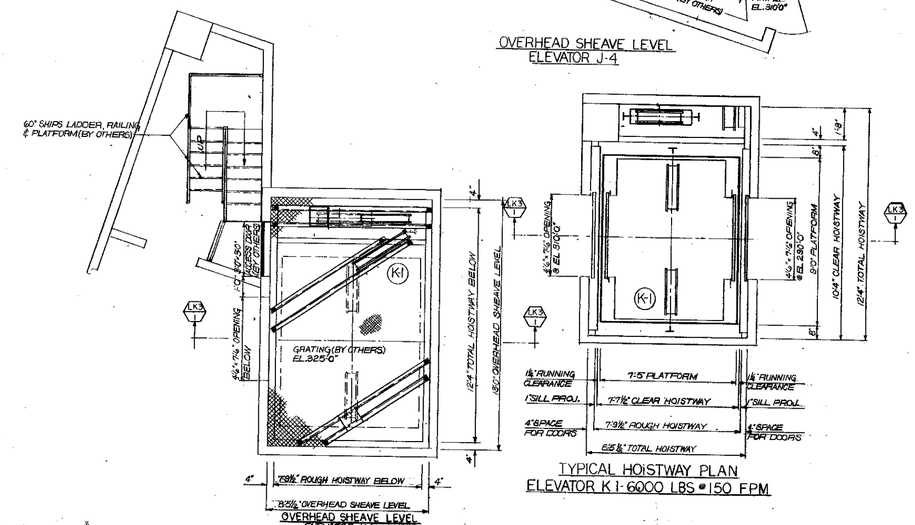
OVERHEAD SHEAVE LEVEL REACTIONS

L			

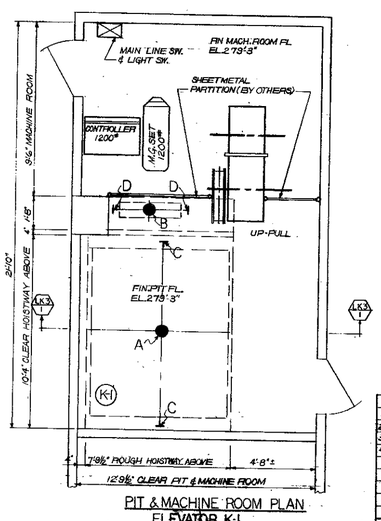
PIT REACTIONS

CAR BUFFER IMPACT	A = 56.0K	E = 34.0K	J
CWT. BUFFER IMPACT	B = 42.0K	F = 42.0K	K
CAR RAIL IMPACT	C = 28.0K	G = 28.0K	L
CWT. RAIL IMPACT	D = 21.0K	H = 21.0K	

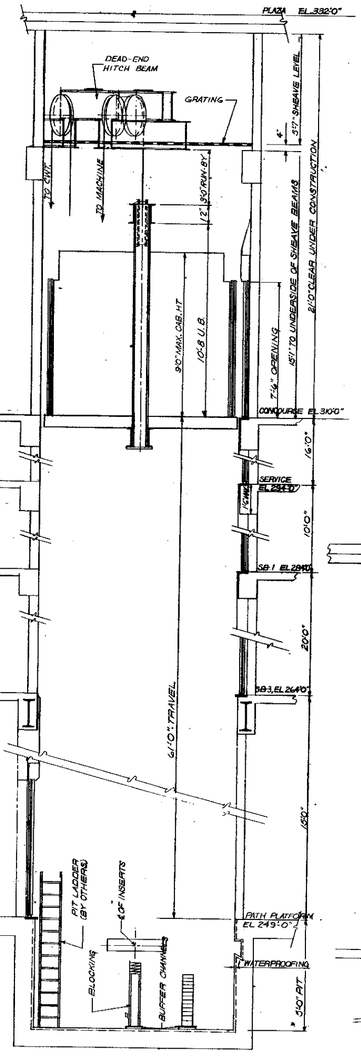
1. CAR RAILS, CWT RAILS, CAR BUFFER & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER & ADJACENT ELEVATOR ACT INDEPENDENTLY OF EACH OTHER.



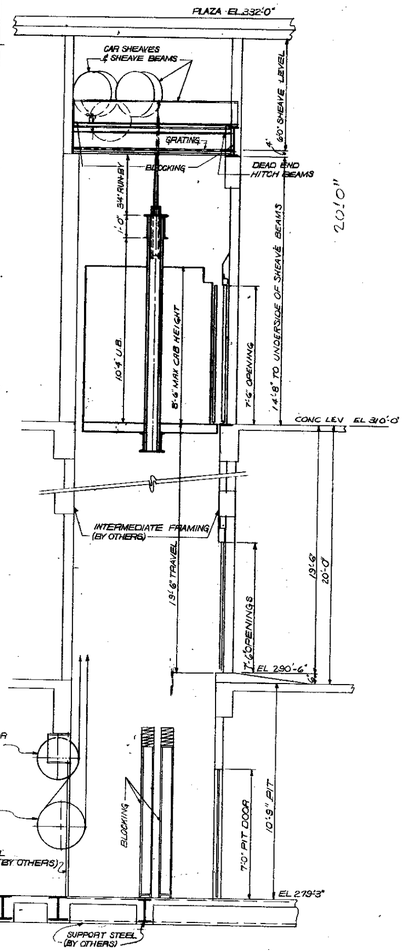
TYPICAL HOISTWAY PLAN
ELEVATOR K1-6000 LBS @ 150 FPM



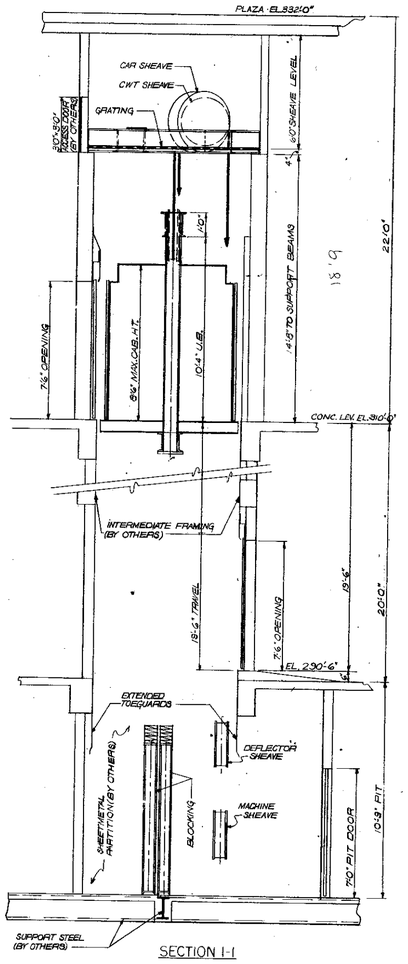
PIT & MACHINE ROOM PLAN
ELEVATOR K-L



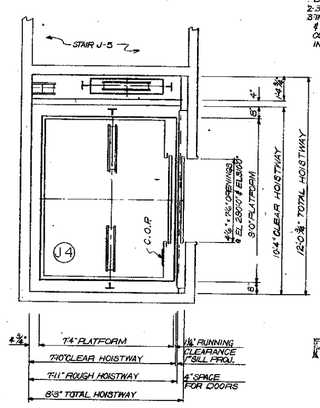
SECTION C-C



SECTION 2-2



SECTION 1-1



TYPICAL HOISTWAY PLANS
ELEVATOR J4-6000 LBS @ 150 F.P.M.

NOTES
1. OUTLETS BY OTHERS, FINAL SIZE AND LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR
2. 30" x 32" ACCESS DOORS & 60" ACCESS LADDER BY OTHERS
3. INSERTS TO BE PROVIDED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR, GENERAL CONTRACTOR TO CO-ORDINATE LOCATION OF THESE INSERTS IN FIELD WITH ELEVATOR CONTRACTOR

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211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	REVISIONS
3	11-6-66	ISSUED FOR BID
1	4-4-67	— JMM
2	5-16-67	— JMM
3	5-25-67	— RSC
4	5-27-67	— RSC

APPROVED
CHIEF, PLANNING DIVISION

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

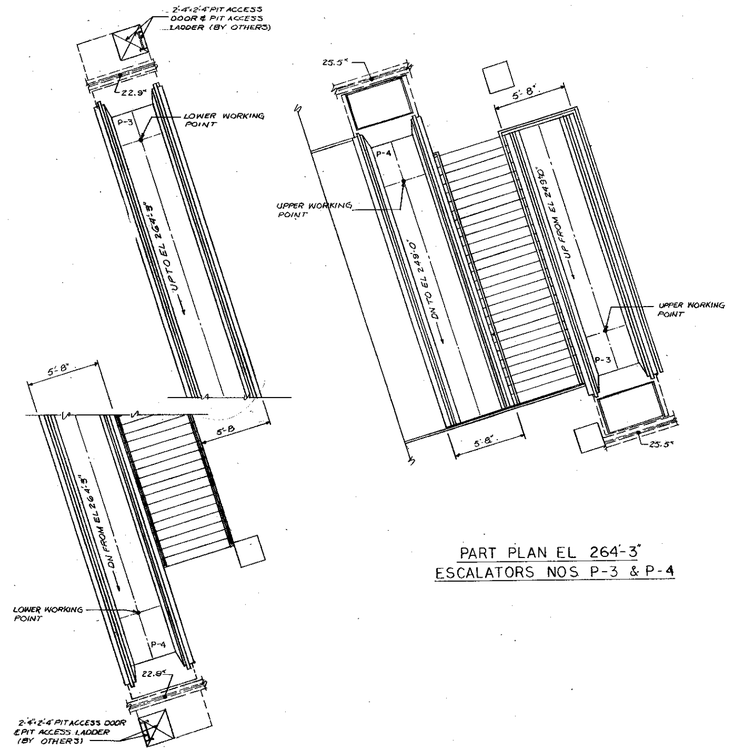
THE PORT OF NEW YORK AUTHORITY
PAYING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR DETAILS
ELEVATORS NOS J-4, K-1 & P-1

DRAWN	J.M.M.	CHECKED	C.L.K.
SCALE	3/4" = 1'-0"	DATE	9-16-66
PROJECT NUMBER		SHEET	67
DRAWING NUMBER	L-K-2		

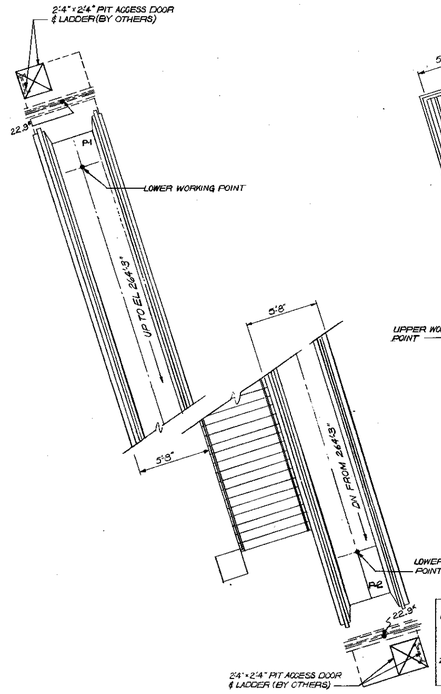
18 9
2010"

L-K-3 9/22/66

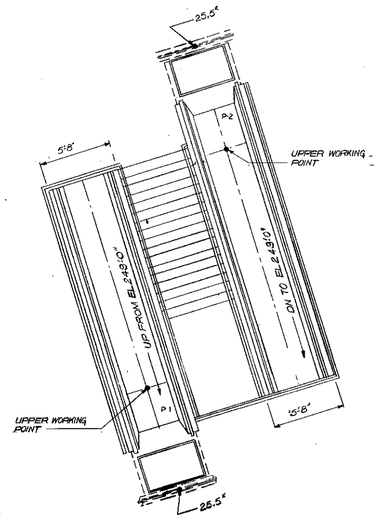


PART PLAN EL 249'-0"
ESCALATORS NOS P-3 & P-4

PART PLAN EL 264'-3"
ESCALATORS NOS P-3 & P-4



PART PLAN EL 249'-0"
ESCALATORS NOS P-1 & P-2



PART PLAN EL 264'-3"
ESCALATORS NOS P-1 & P-2

STRUCTURAL ENGINEER NOTE"
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FINISHED FLOOR

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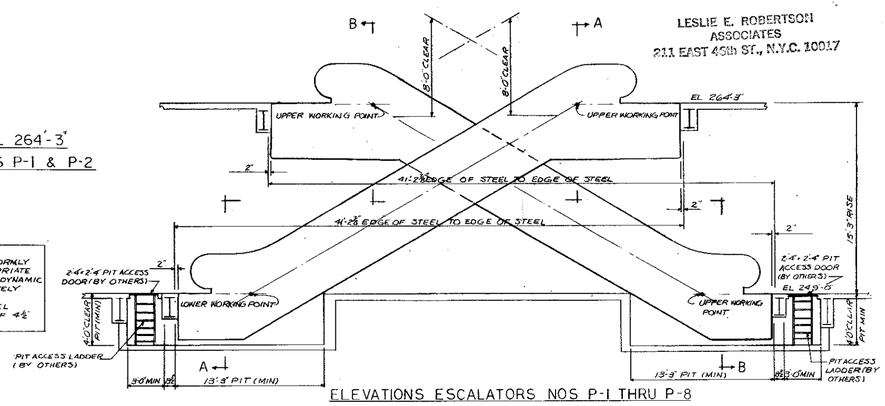
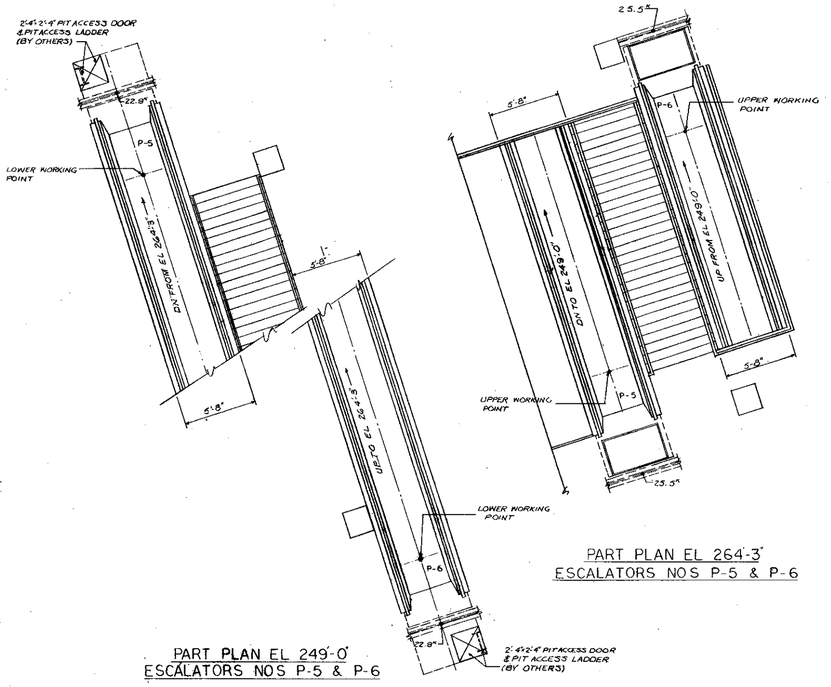
211 EAST 43th ST., N.Y.C. 10017

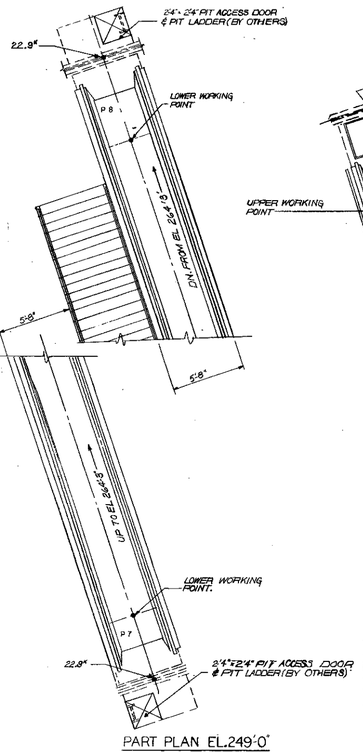


ELEVATIONS ESCALATORS NOS P-1 THRU P-8

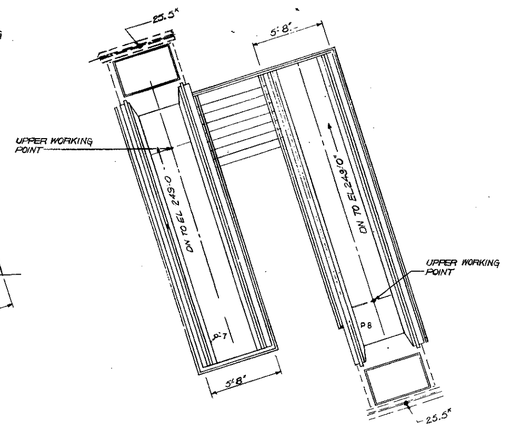


PART PLAN EL 249'-0"
ESCALATORS NOS P-5 & P-6

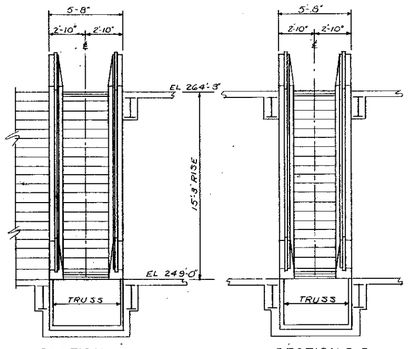
PART PLAN EL 264'-3"
ESCALATORS NOS P-5 & P-6



PART PLAN EL 249'-0"
ESCALATORS NOS P-7 & P-8



PART PLAN EL 264'-3"
ESCALATORS NOS P-7 & P-8



SECTION A-A SECTION B-B

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
	10-4-66	ISSUED FOR BID					
1	10-7-66		TMM				
2	4-1-67		TMM				

REVISIONS REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

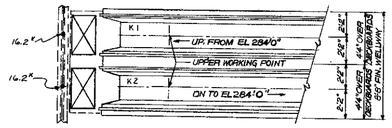
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

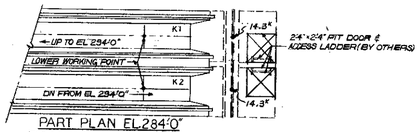
TITLE: ESCALATOR DETAILS NOS. P-1 TO P-8

DRAWN	R.C.	CHECKED	C.L.K
SCALE	¼"-1'0"	DATE	9-27-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-3		

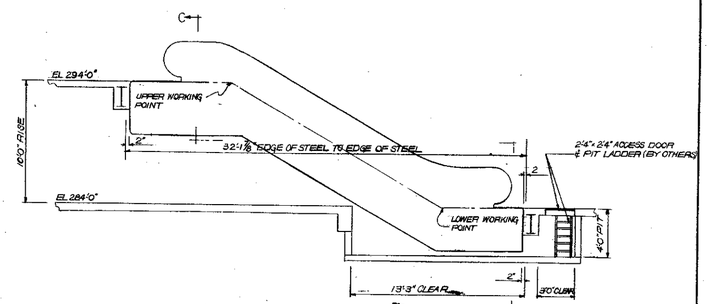
S G - ELEVATORS
LK-4 10/4/66



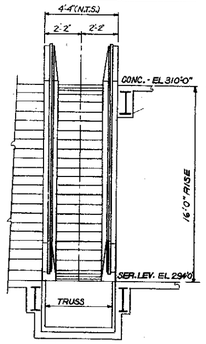
PART PLAN EL 294'-0"
ESCALATORS NOS K2 & K3



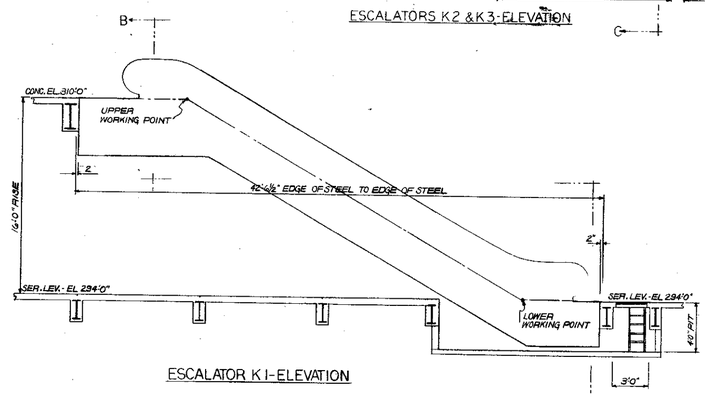
PART PLAN EL 284'-0"
ESCALATORS NOS K2 & K3



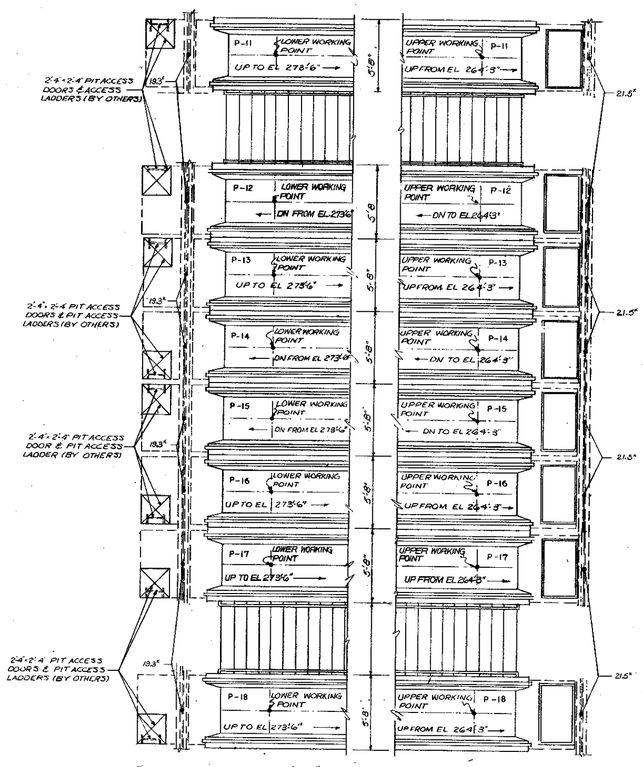
ESCALATORS K2 & K3 - ELEVATION



SECTION BB

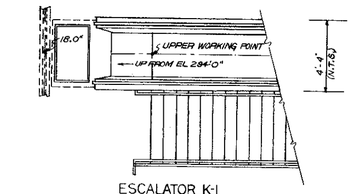


ESCALATOR K1 - ELEVATION

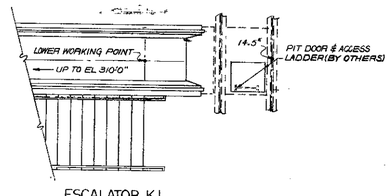


PART PLAN EL 264'-3"
ESCALATORS NOS
P-9 THRU P-16

PART PLAN EL 273'-6"
ESCALATORS NOS
P-9 THRU P-16

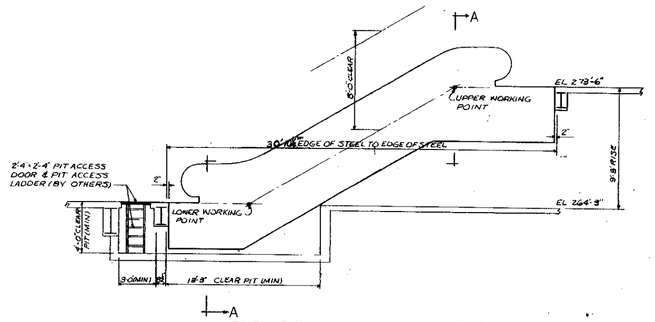


ESCALATOR K-1
PART PLAN-EL 310'0"

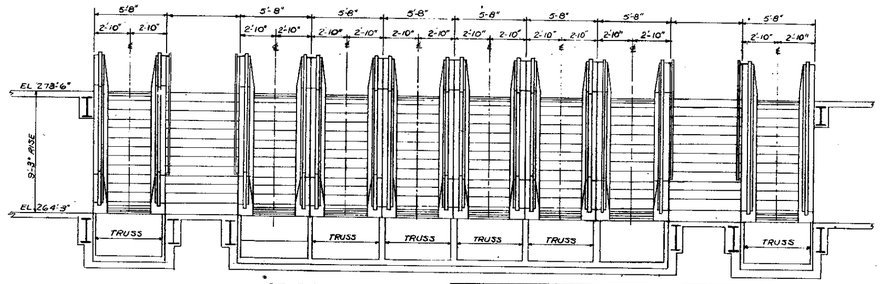


ESCALATOR K1
PART PLAN-EL 294'-0"

STRUCTURAL ENGINEER NOTE
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED AND A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4'2 BELOW FINISHED FLOOR



ELEVATION ESCALATORS NOS P-11 THRU P-18



SECTION A-A

RECEIVED
NOV 17 1966
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	ISSUED FOR BID	BY
1	10-17-66	—	JMM
2	3-31-67	—	JMM
3	5-22-67	—	JMM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

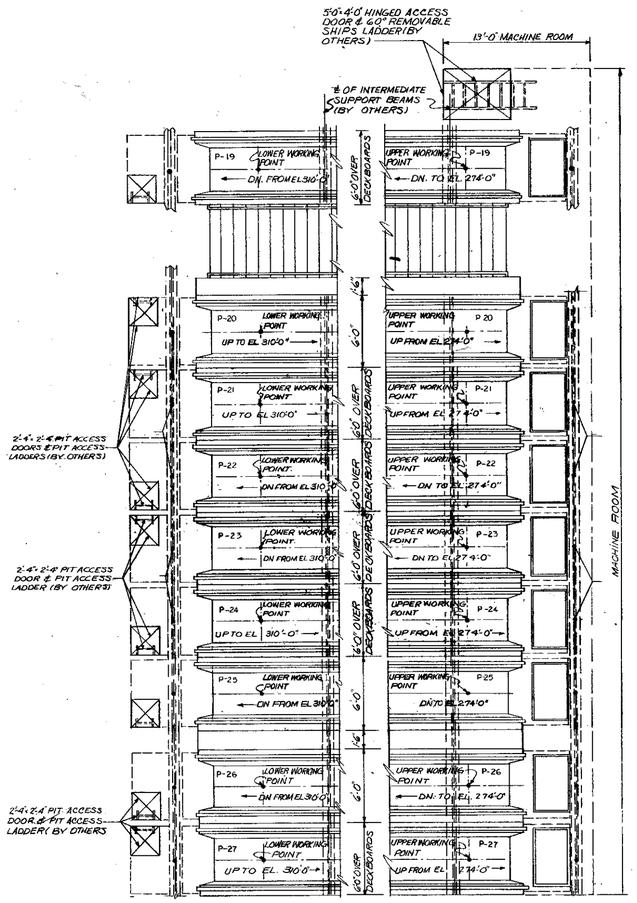
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

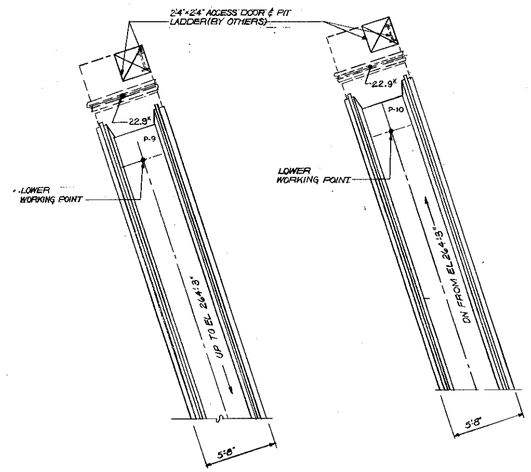
TITLE: ESCALATORS NOS. P-11 THRU P-18, K-1, K 2 & K3 DETAILS

DRAWN	R.C.	CHECKED	C.L.K
SCALE	1/4" = 1'-0"	DATE	10-4-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-4		



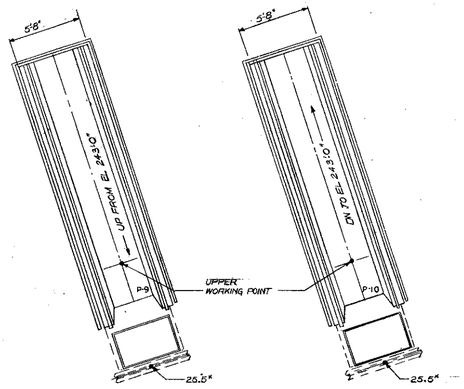
PART PLAN EL 274'-0"
ESCALATORS NO.
P-19 THRU P-27

PART PLAN EL 310'-0"
ESCALATORS NO.
P-19 THRU P-27



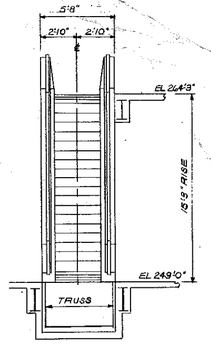
PART PLAN EL.249'-0"
ESCAL. NO. P-9

PART PLAN EL.249'-0"
ESCAL. NO. P-10

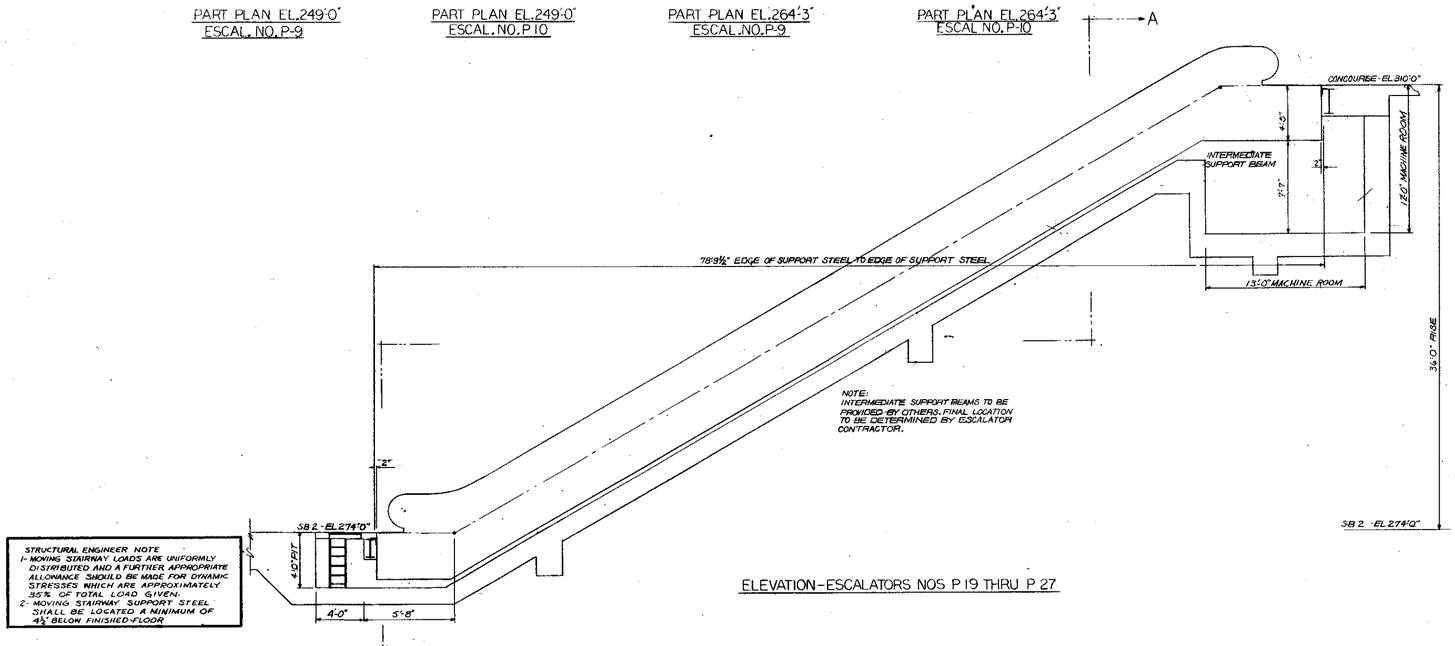


PART PLAN EL.264'-3"
ESCAL. NO. P-9

PART PLAN EL.264'-3"
ESCAL. NO. P-10

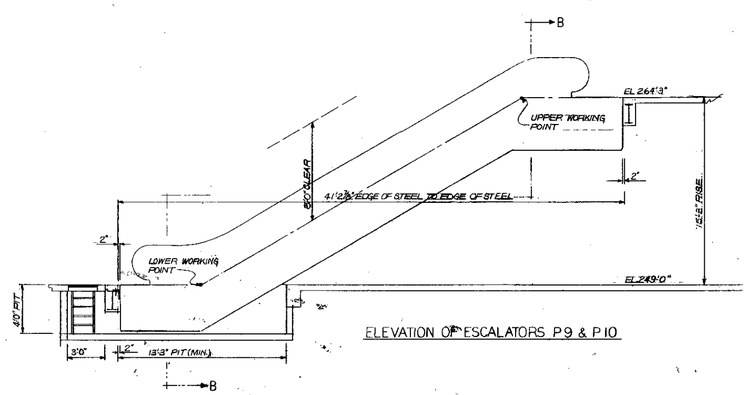


SECTION B-B

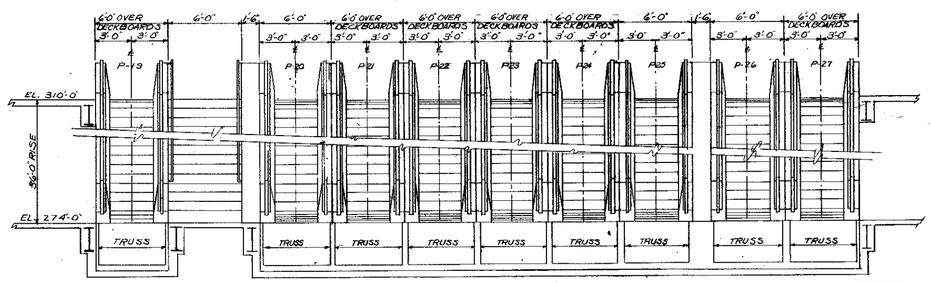


ELEVATION-ESCALATORS NOS P 19 THRU P 27

STRUCTURAL ENGINEER NOTE
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED AND A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FINISHED FLOOR



ELEVATION OF ESCALATORS P9 & P10



SECTION A-A

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
	10-9-66	ISSUED FOR BID	
1	10-17-66	—	JMM
2	4-3-67	—	JMM
3	5-20-67	—	JMM
4	5-29-67	—	RSC
5	6-15-67	—	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIV.....
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ESCALATORS NOS. P-19 THRU P-27 P9&P10 DETAILS

DRAWN	R.C.	CHECKED	C.L.K.
SCALE	¼"-1'-0"	DATE	10-4-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-5		

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

U.S. CUSTOM HOUSE

ELEVATORS

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST. N.Y. N.Y. 10017

WORLD TRADE CENTER U.S. CUSTOM HOUSE
DRAWING INDEX

EL-0	WORLD TRADE CENTER U.S. CUSTOM HOUSE DRAWING INDEX
EL-1	PASSENGER & SERVICE ELEVATORS
EL-2	ELEVATOR SECTIONS & SERVICE ELEVATOR MACHINE ROOM PLANS
EL-3	ESCALATOR DETAILS

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th St., N.Y., N.Y. 10017

REVISIONS

NO.	DATE	BUL. NO.	BY
	1-16-69		GSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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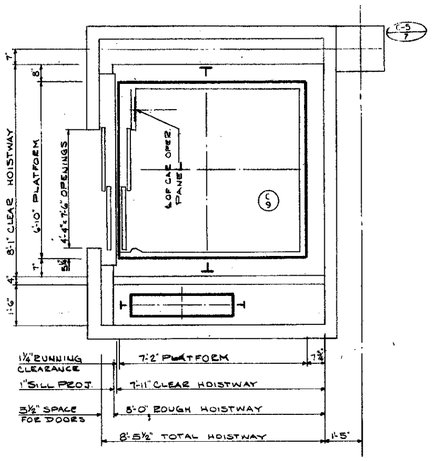
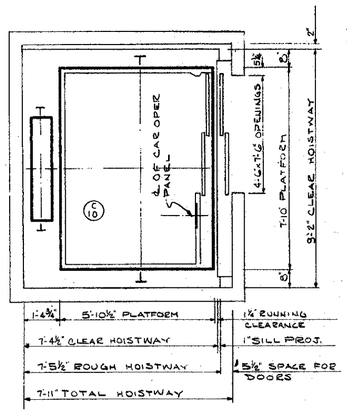
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
DRAWING INDEX

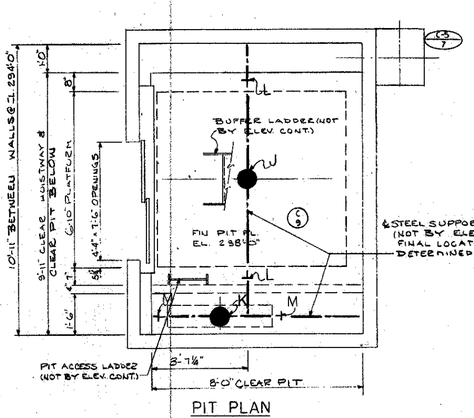
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	NONE	DATE	
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	EL-0		



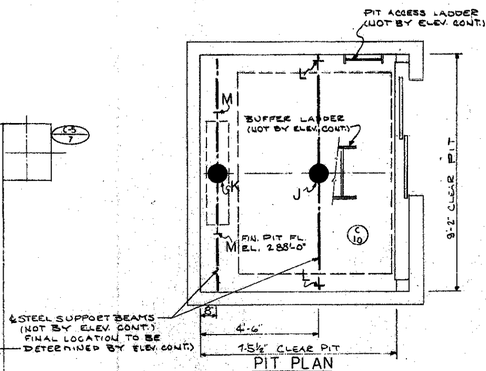
SERVICE ELEVATOR NO C-9
4000 LBS @ 350 F.P.M.
SCALE: ½" = 1'-0"



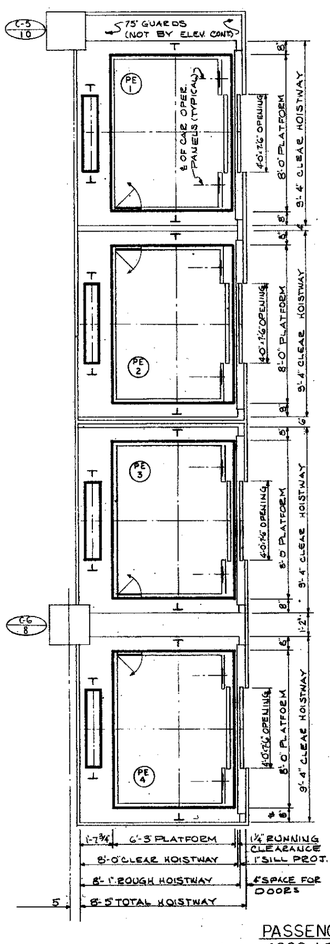
SERVICE ELEVATOR NO. C-10
3500 LBS. @ 350 F.P.M.
SCALE: ½" = 1'-0"

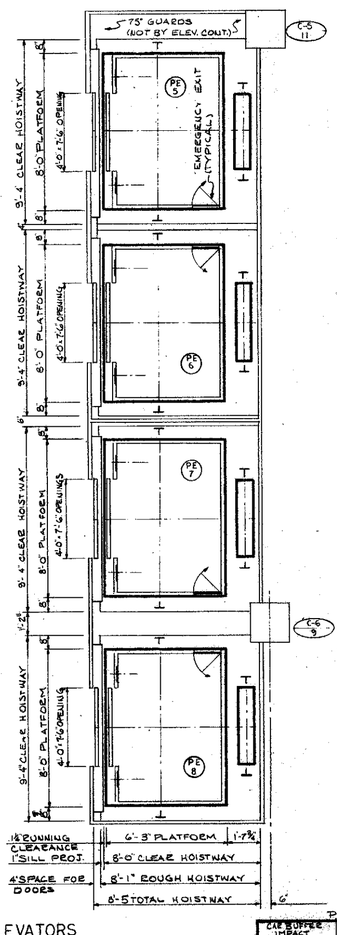


PIT PLAN
SERVICE ELEVATOR NO. C-9
SCALE: ½" = 1'-0"

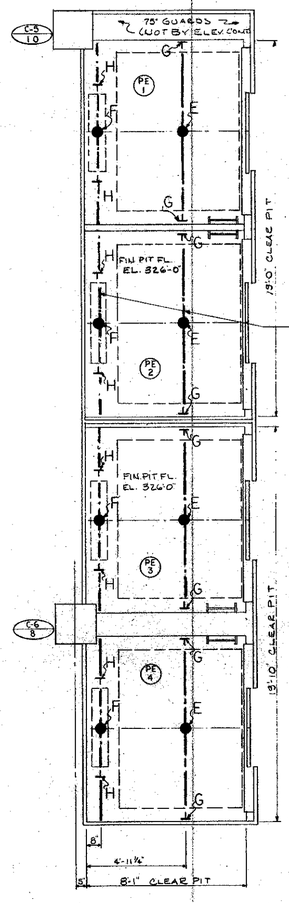


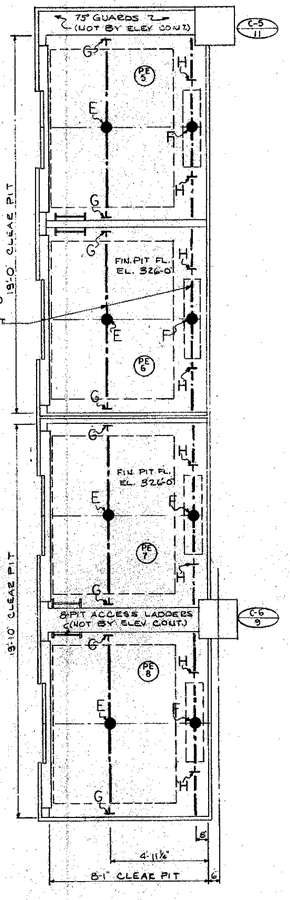
PIT PLAN
SERVICE ELEVATOR NO. C-10
SCALE: ½" = 1'-0"





PASSENGER ELEVATORS
4000 LBS. @ 350 F.P.M.
SCALE: ⅜" = 1'-0"



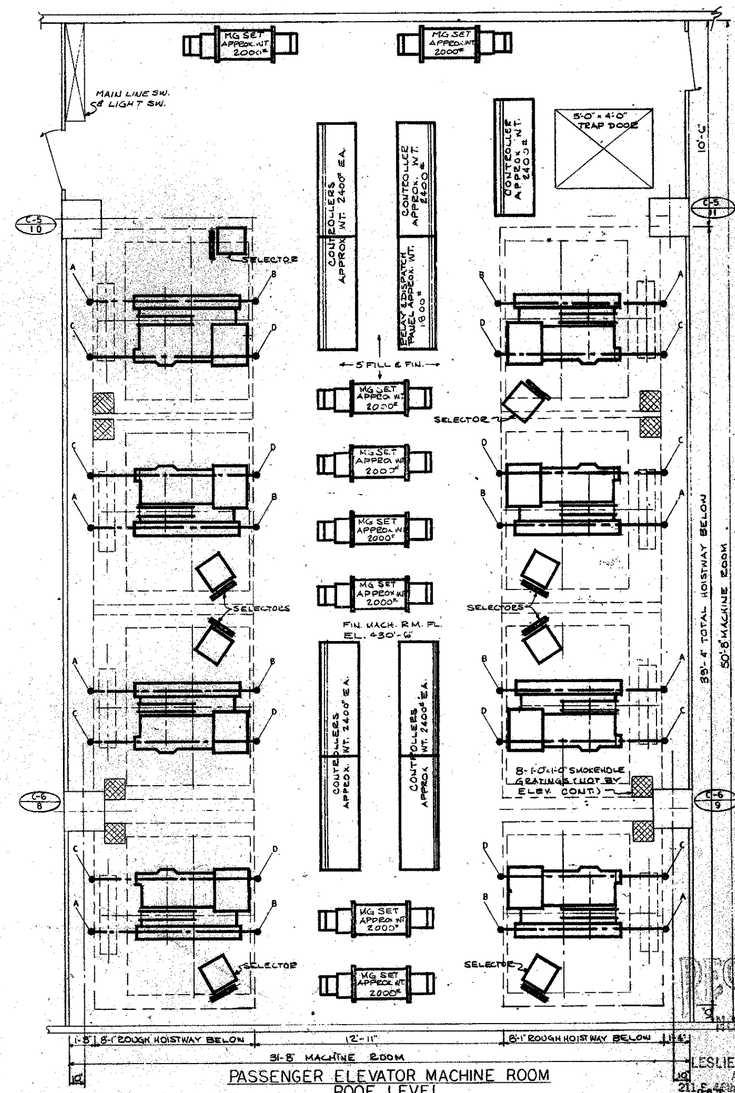


PIT PLAN
PASSENGER ELEVATORS
SCALE: ⅜" = 1'-0"

PIT REACTIONS

CAR BUFFER IMPACT	E	82.0ᵏ	J	54.0ᵏ
CWT BUFFER IMPACT	F	85.0ᵏ	K	58.0ᵏ
CAR RAIL IMPACT	G	26.0ᵏ	L	28.0ᵏ
CWT RAIL IMPACT	H	21.2ᵏ	M	23.0ᵏ

NOTE: ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER. CAR BUFFERS, CWT BUFFERS, CAR RAILS & CWT RAILS ACT INDEPENDENTLY OF EACH OTHER.



PASSENGER ELEVATOR MACHINE ROOM
ROOF LEVEL
SCALE 3/8" = 1'-0"

REACTIONS	
A	24.5ᵏ
B	10.5ᵏ
C	12.6ᵏ
D	10.0ᵏ

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST. N.Y.N.Y. 10017

CONTRACT BID DRAWING Date 12-6-68

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

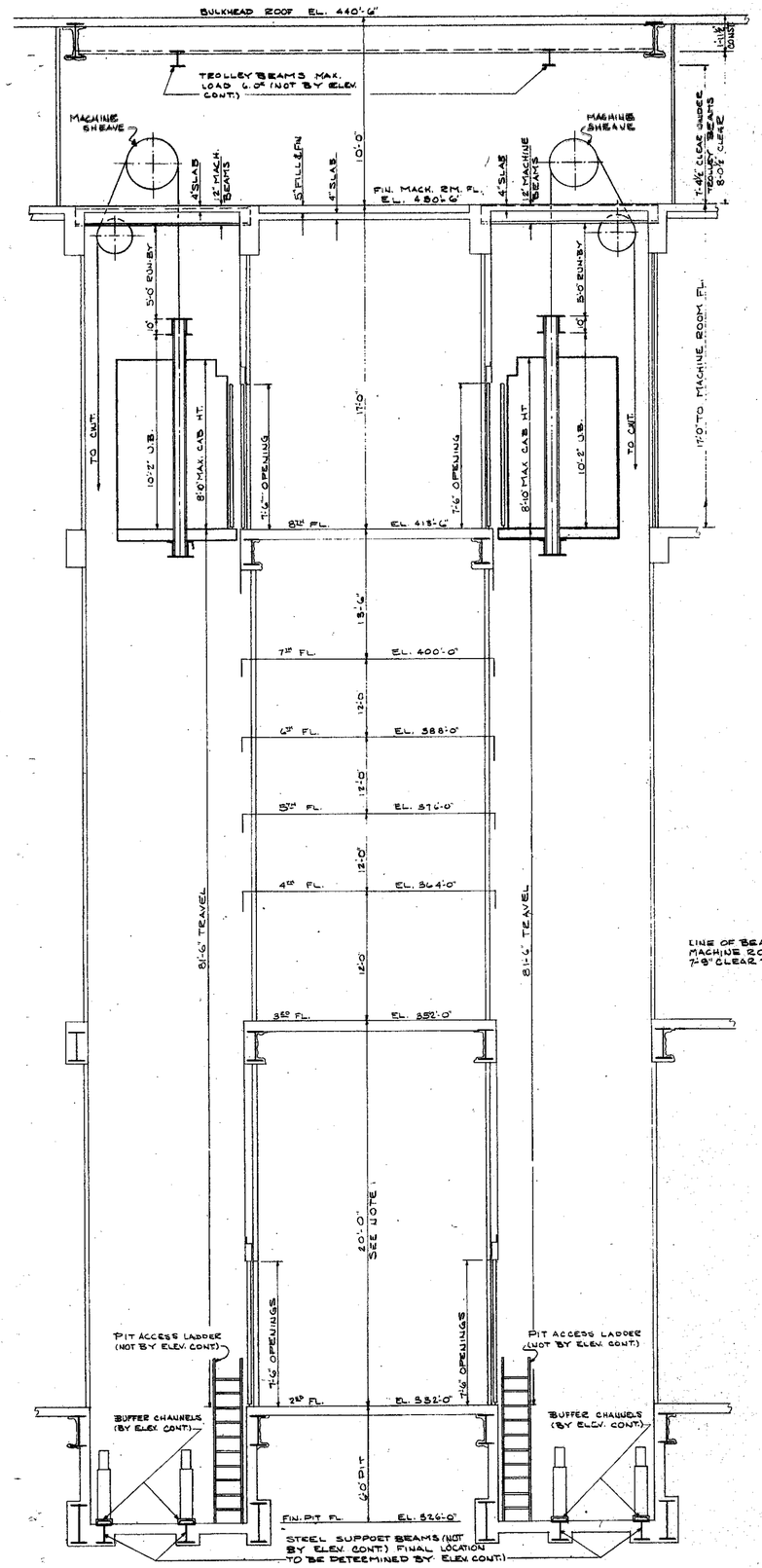
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

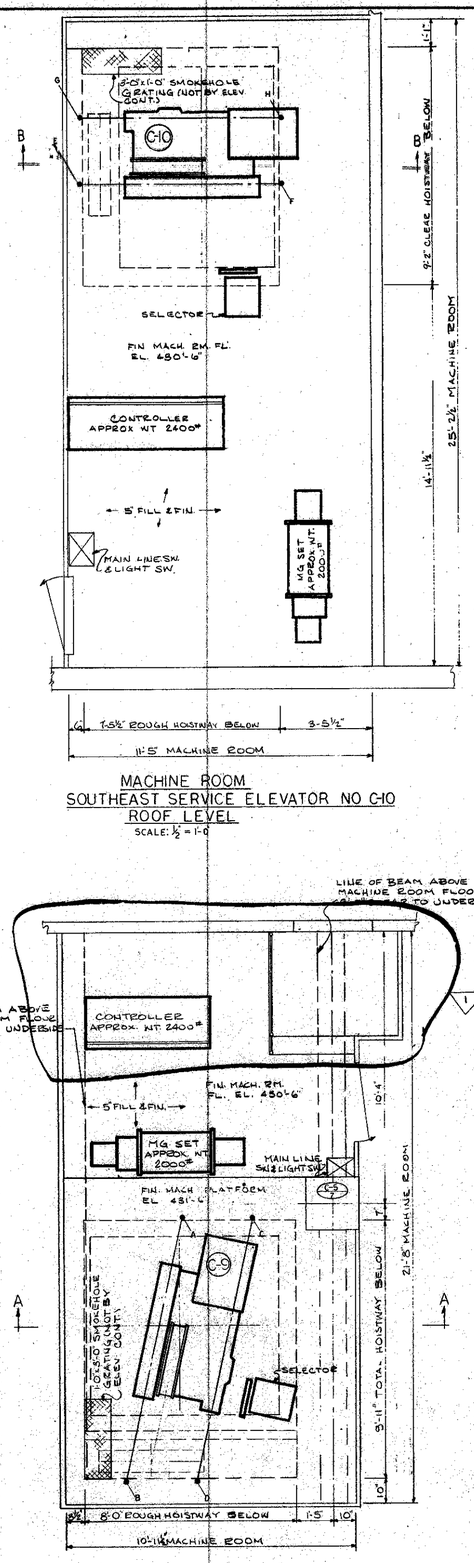
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
PASSENGER & SERVICE ELEVATORS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	12-6-68
PROJECT NUMBER		NUMBER	68
DRAWING NUMBER	EL-1		



SECTION C-C
PASSENGER ELEVATORS
SCALE: 3/8" = 1'-0"

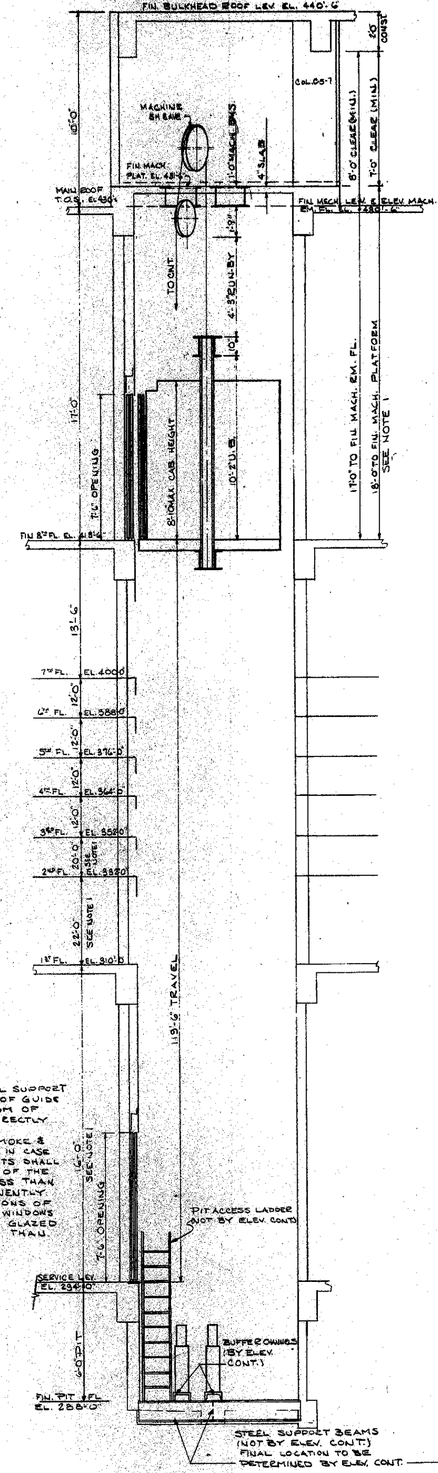


MACHINE ROOM
SOUTHEAST SERVICE ELEVATOR NO C-10
ROOF LEVEL
SCALE: ½" = 1'-0"

MACHINE ROOM
NORTHWEST SERVICE ELEVATOR NO. C-9
ROOF LEVEL
SCALE: ½" = 1'-0"

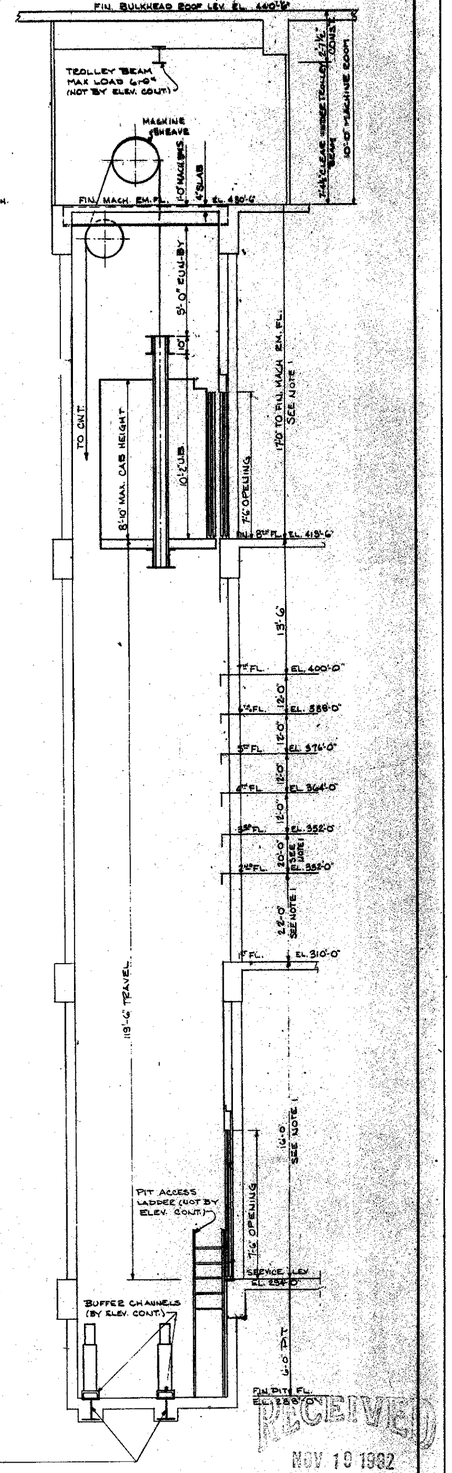
REACTIONS			
A	19.8K	E	23.0K
B	21.6K	F	18.0K
C	9.8K	G	13.5K
D	13.7K	H	10.2K

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.



SECTION A-A
SERVICE ELEVATOR NO. C-9
SCALE 3/8" = 1'-0"

NOTES:
1. MAXIMUM SPACING OF GUIDE RAIL SUPPORT BEAMS TO BE 14'-0" FROM TOP OF GUIDE RAIL SUPPORT BEAM TO BOTTOM OF GUIDE RAIL SUPPORT BEAM DIRECTLY ABOVE.
2. PROVIDE MEANS FOR VENTING SMOKE & HOT GASES TO THE OUTSIDE AIR IN CASE OF FIRE. THE AREA OF THE VENTS SHALL BE NOT LESS THAN 3 SQ. FT. OF THE REQUIRED VENT AREA. NOT LESS THAN ⅓ SHALL BE OF THE PERMANENTLY OPENED TYPE. CLOSED PORTIONS OF VENT AREA SHALL CONSIST OF WINDOWS SKYLIGHTS OR DUCT OPENINGS GLAZED WITH PLAIN GLASS NOT MORE THAN ⅛ INCH THICK.



SECTION B-B
SERVICE ELEVATOR NO C-10
SCALE: 3/8" = 1'-0"

CONTRACT BID DRAWING date 12-6-68

NO.	DATE	REVISIONS	BY
1	1-9-69		RSC

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
ELEVATOR SECTIONS & SERVICE ELEVATOR MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.R.
SCALE	AS NOTED	DATE	12-6-68
PROJECT NUMBER		SHEET NO.	
DRAWING NUMBER	EL-2		

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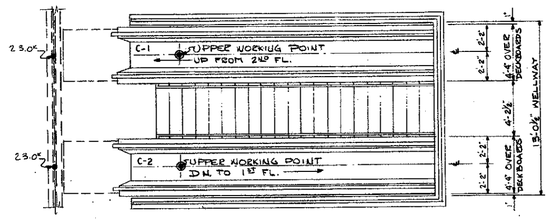
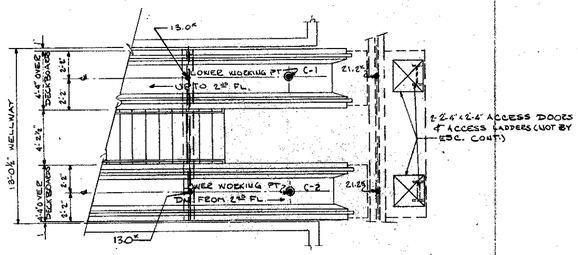
NOV 19 1982

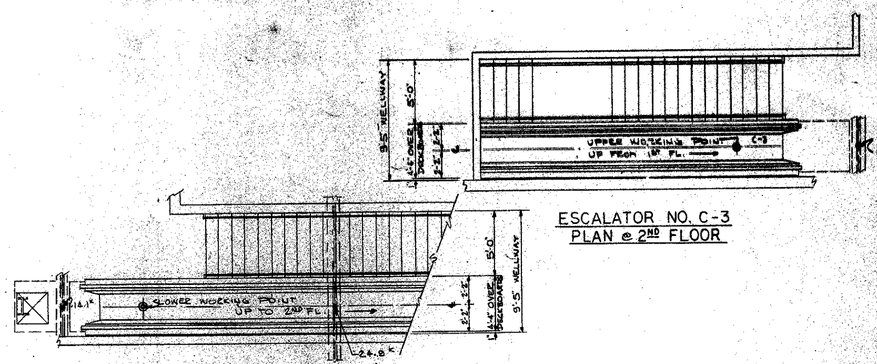
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



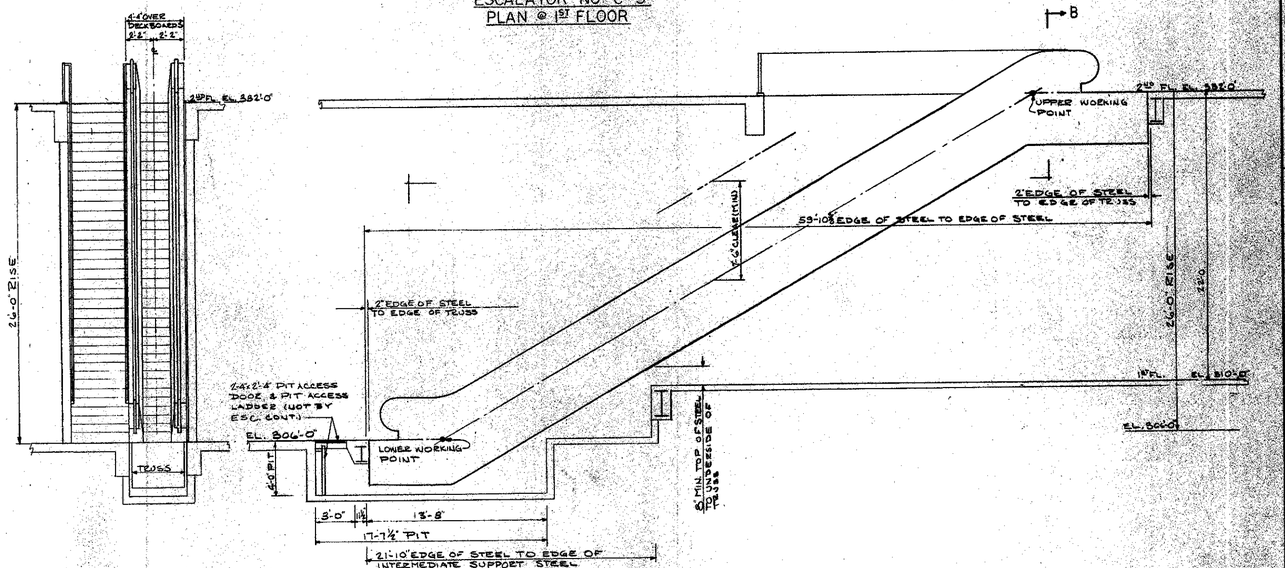
ESALATORS NOS. C-1 & C-2
PLAN @ 2ND FLOOR



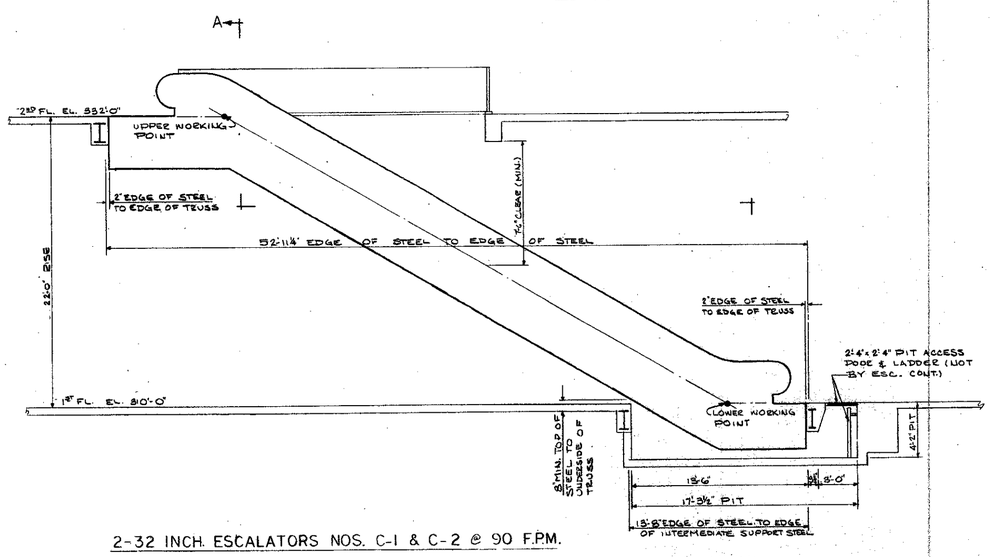
ESCALATORS NOS. C-1 & C-2
PLAN @ 1ST FLOOR



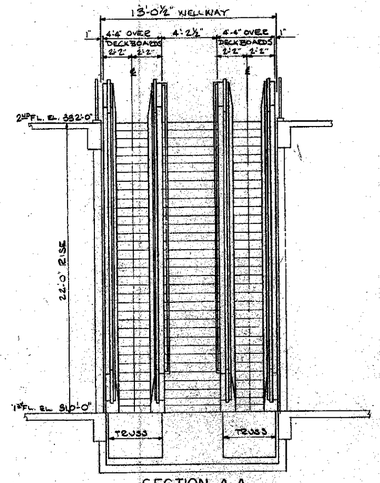
ESCALATOR NO. C-3
PLAN @ 1ST FLOOR



32 INCH ESCALATOR NO C-3 @ 90 F.P.M.



2-32 INCH. ESCALATORS NOS. C-1 & C-2 @ 90 F.P.M.



SECTION A-A

STRUCTURAL ENGINEER NOTE:
ESCALATOR LOADS ARE UNIFORMLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
ESCALATOR SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FIN. FLOOR.

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NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

CONTRACT "SD" DRAWING date 12-6-68

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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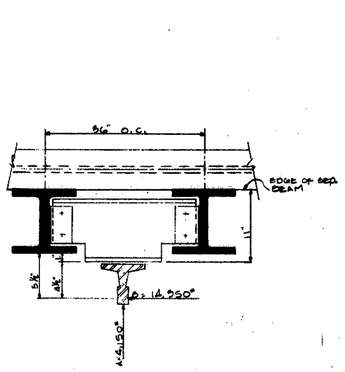
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

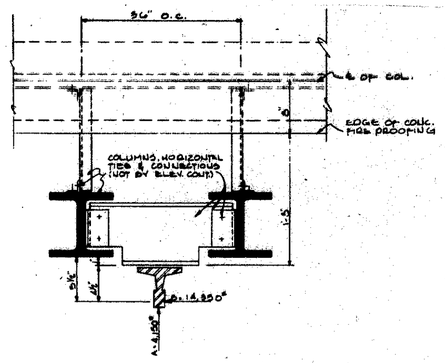
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: US CUSTOM HOUSE
ESCALATOR DETAILS

DRAWN	RSC	CHECKED	DLR
SCALE	¼"=1'-0"	DATE	1/1968
PROJECT NO.		SHEET	49
DRAWING NO.	EL-3		

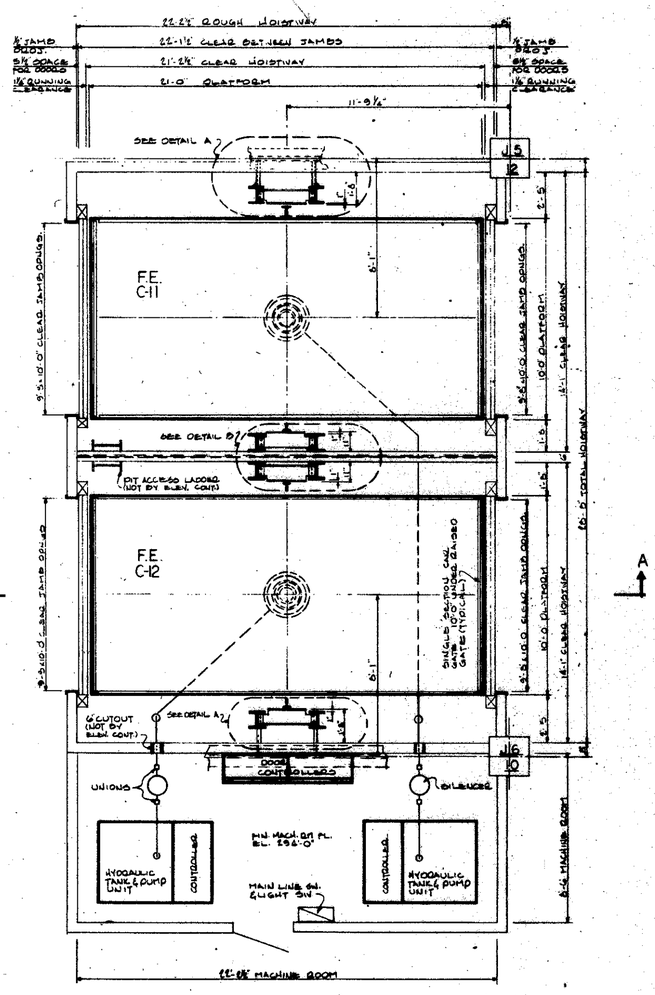


DETAIL B

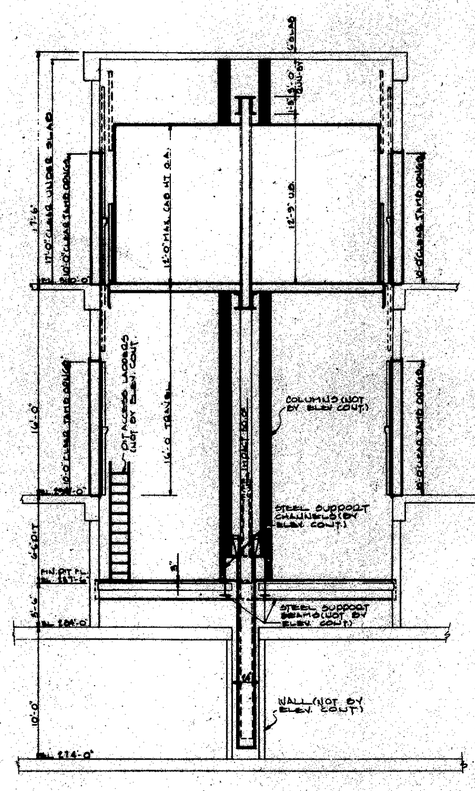


DETAIL A

MAXIMUM DEFLECTION DUE TO A: ⅝"
MAXIMUM DEFLECTION DUE TO B: 1½"
STRUCTURAL ENGINEERS TO PROVIDE HORIZONTAL TIES ON 2'-2" CENTERS



FREIGHT ELEVATORS NOS. C-11 & C-12
25000 LBS. • 20 F.P.M. (FULL LOAD UP)



SECTION A-A

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th St., N.Y., N.Y. 10017

11-2-10 C-10 ESC.			
REVISIONS		REVISIONS	

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

APPROVED — CHIEF PLANNING ENGINEER — DATE

⅛"=1'-0"

TITLE: U.S. CUSTOM HOUSE
FREIGHT ELEVATORS NOS. C-11 & C-12

DRAWN	R.S.C.	CHECKED	C.E.K.
SCALE	⅛"=1'-0"	DATE	11-2-10
PROJECT APPROVED		SHEET	OF
DESIGN APPROVED	EL-4		

L-G- ELEVATORS
L-J-1 5/15/67

BELOW GRADE DRAWING INDEX

L-J-1	BELOW GRADE DRAWING INDEX
L-J-2	ELEVATOR DETAILS-ELEVATORS NOS. J-1, J-2 & J-3
L-K-1	ELEVATOR DETAILS-ELEVATORS NOS. K-2 THRU K-5
L-K-2	ELEVATOR DETAILS-ELEVATORS NOS J-4, K-1 & P-1
L-K-3	ESCALATOR DETAILS-ESCALATORS NOS. P-1 THRU P-8
L-K-4	ESCALATOR DETAILS-ESCALATORS NOS. P-11 THRU P-18 & K-1, K-2 & K-3
L-K-5	ESCALATOR DETAILS-ESCALATORS NOS. P-19 THRU P-27 & P-9 & P-10
L-K-6	BELOW GRADE ESCALATOR PLOT PLAN

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 45th ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
1	5-23-67	—	RSC

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CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: BELOW GRADE DRAWING INDEX

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	NO SCALE	DATE	5-15-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-J-1		

OVERHEAD REACTIONS

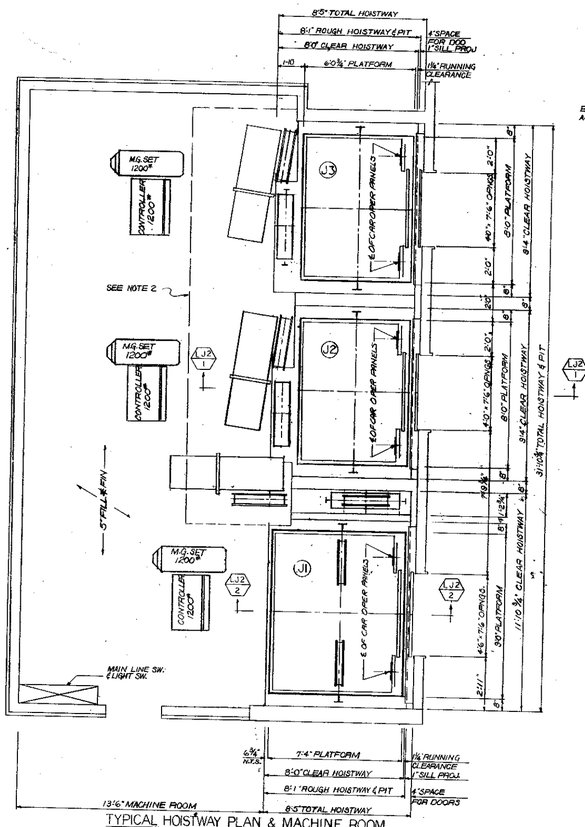
A	9.0ᴷ	E	7.0ᴷ	K	9.0ᴷ	Q	3.0ᴷ
B	10.0ᴷ	F	8.0ᴷ	M	20.0ᴷ	R	5.0ᴷ
C	10.0ᴷ	G	16.0ᴷ	N	12.0ᴷ	S	7.0ᴷ
D	25.5ᴷ	J	10.9ᴷ	P	12.0ᴷ	T	9.1ᴷ

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

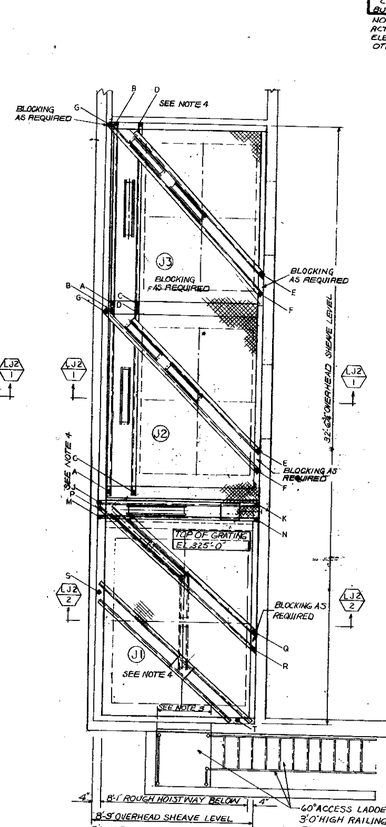
PIT REACTIONS

CAR BUFFER SHAFT	AA	48.0ᴷ	DD	72.0ᴷ
RAIL	CC	24.0ᴷ	FF	36.0ᴷ
CWT BUFFER	BB	48.0ᴷ	EE	72.5ᴷ

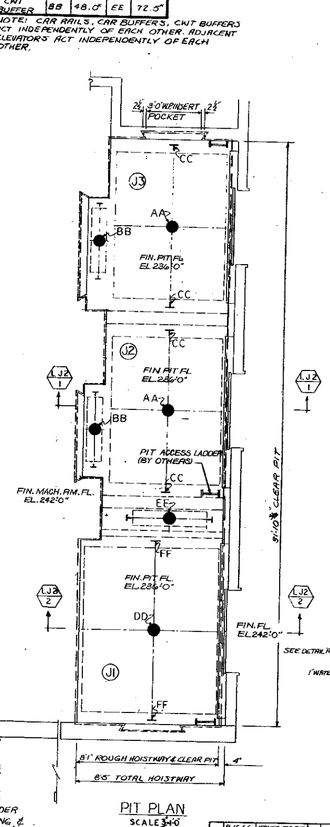
NOTE: CAR RAILS, CAR BUFFERS, CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.



TYPICAL HOISTWAY PLAN & MACHINE ROOM
ELEVATORS J2 & J3, 4000 LBS. @ 250 F.P.M.
ELEVATOR J1 6000 LBS @ 250 F.P.M.
SCALE 3/8" = 1'-0"

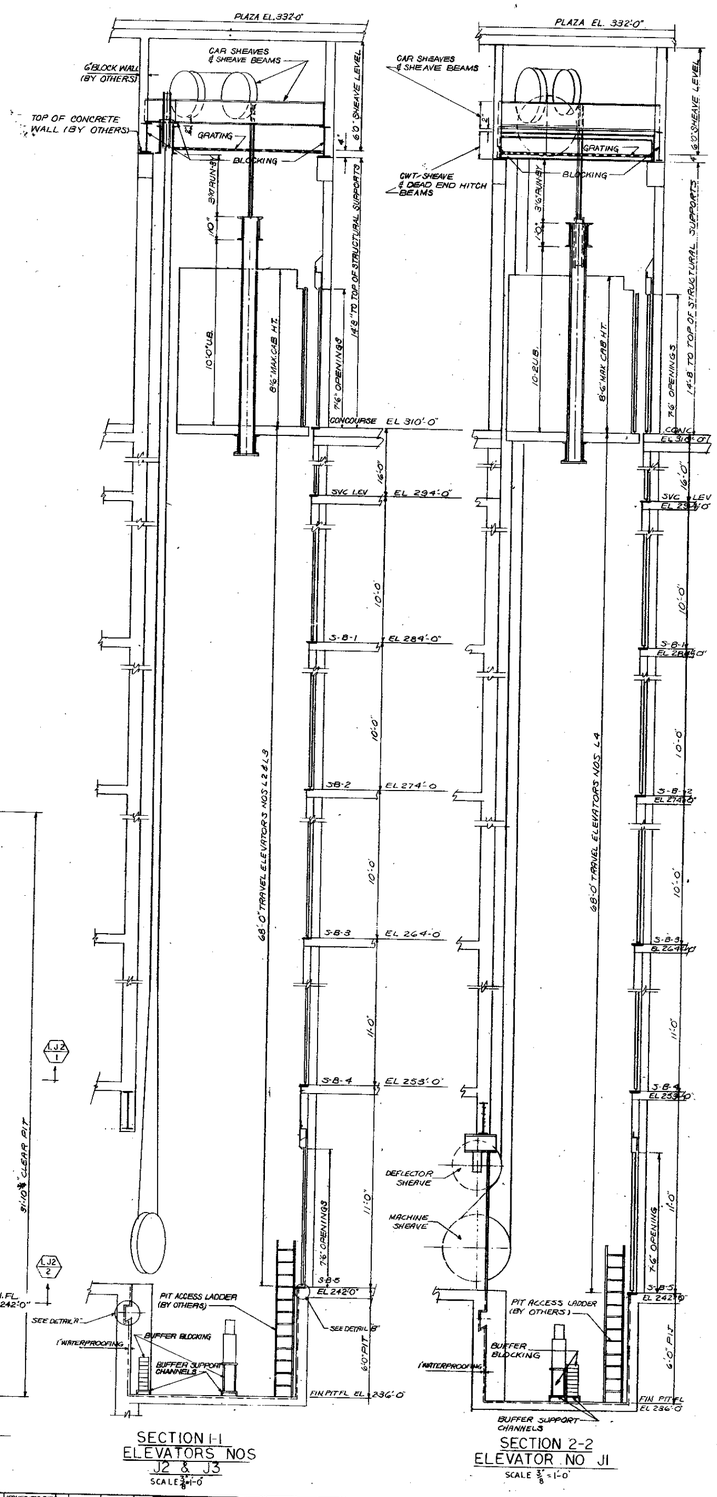


OVERHEAD SHEAVE LEVEL
SCALE 3/8" = 1'-0"



PIT PLAN
SCALE 3/8" = 1'-0"

NOTES
1 INSERTS TO BE FURNISHED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. INSERTS ABOVE 58'-5" TO BE POURED IN PLACE.
2 CONCRETE MACHINE FOUNDATIONS TO BE POURED MONOLITHICALLY & TIED INTO PIT & MACHINE ROOM FL. AFTER FOUNDATION BOLTS ARE SET. FINAL SIZE & LOCATION OF FOUNDATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.
3 30"x80" ACCESS DOORS & 60" ACCESS LADDER BY OTHERS.
4 CUTOUTS BY OTHERS. FINAL SIZE & LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.



SECTION 1-1
ELEVATORS NOS
J2 & J3
SCALE 3/8" = 1'-0"

SECTION 2-2
ELEVATOR NO J1
SCALE 3/8" = 1'-0"

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NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	SUB. NO.	BY
1	9-16-66	ISSUED FOR BID	
2	4-5-67	–	JMM
3	5-16-67	–	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

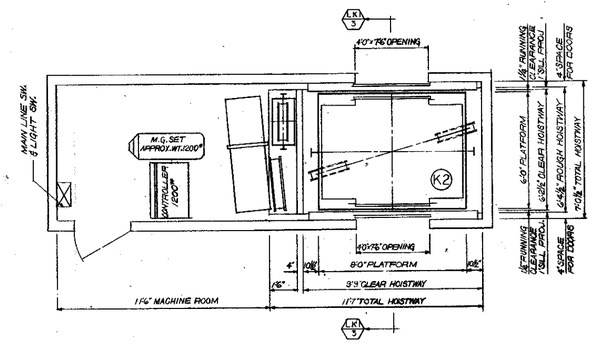
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

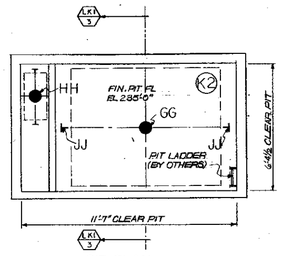
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR DETAILS
ELEVATORS NOS. J1, J2 & J3

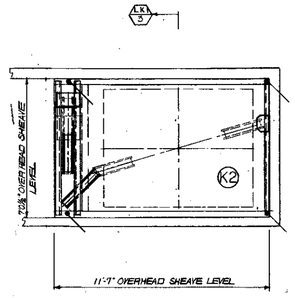
DRAWN	J.M.M.	CHECKED	CLK
SCALE	AS NOTED	DATE	9-16-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-J-2		



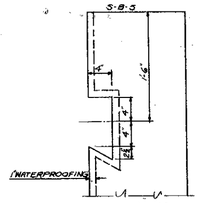
PLAN OF HOISTWAY & MACHINE ROOM
ELEVATOR NO. K-2 4000 LBS @ 200 F.P.M.
SCALE ⅜"=1'-0"



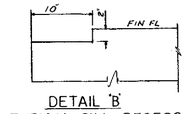
PIT PLAN
ELEVATOR NO. K2



OVERHEAD SHEAVE LEVEL
ELEVATOR K-2



DETAIL 'A'
SCALE 1½"=1'-0"



DETAIL 'B'
TYPICAL SILL RECESS
SCALE 1½"=1'-0"

OVERHEAD REACTIONS

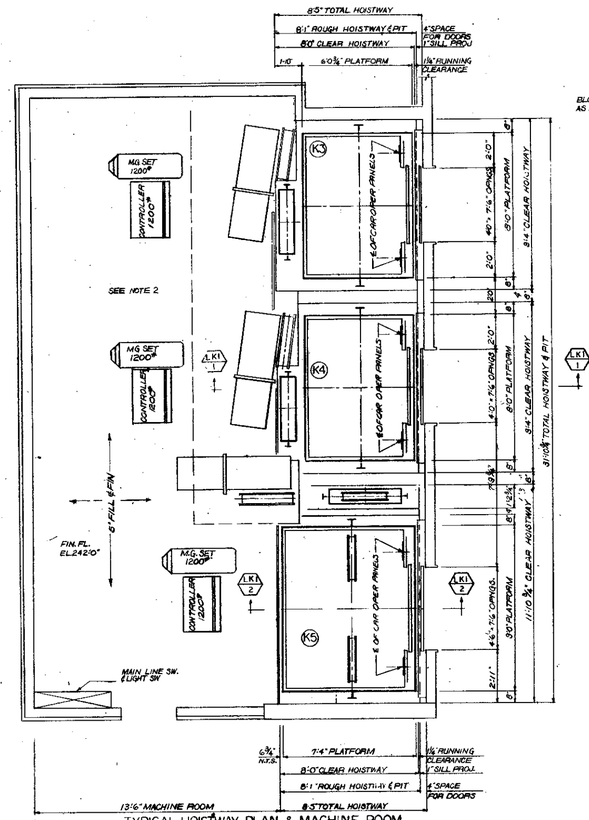
A	9.0K	G	16.0K	Q	3.8K	LL	7.8K
B	10.0K	J	10.8K	R	5.0K	MM	22.0K
C	10.0K	K	8.0K	S	7.0K	RR	7.5K
D	25.5K	M	20.0K	T	9.1K	SS	14.0K
E	7.0K	N	12.0K	VV	7.8K	TT	7.5K
F	8.0K	P	12.0K	KK	8.0K		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.

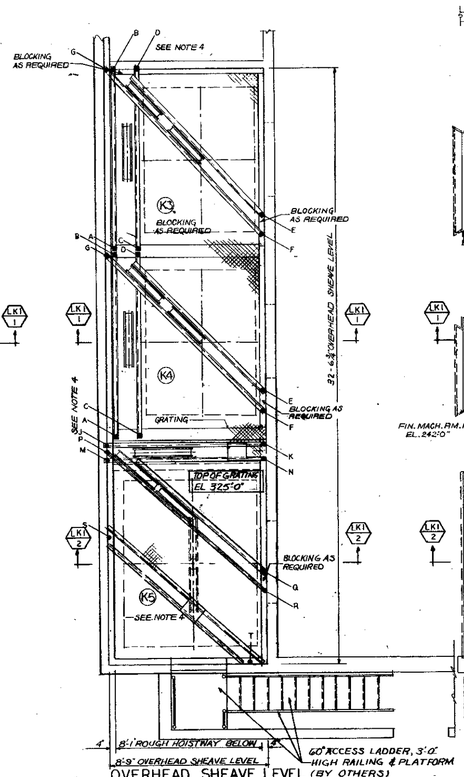
PIT REACTIONS

CAR BUFFER	AA	48.0K	DD	72.0K	GG	58.0K
CAR RAIL	CC	24.0K	FF	36.0K	JJ	28.0K
CWT BUFFER	BB	96.0K	EE	72.5K	HH	60.9K

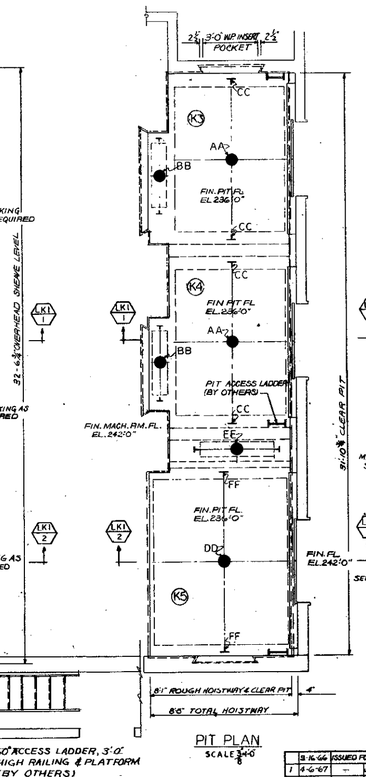
NOTE: CAR RAILS, CAR BUFFERS, & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.



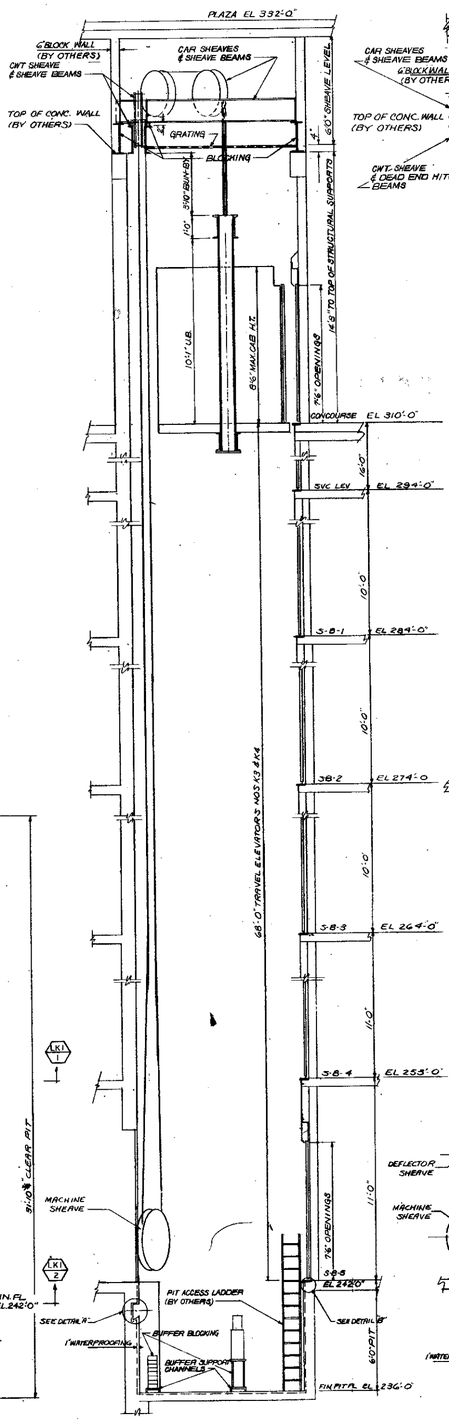
TYPICAL HOISTWAY PLAN & MACHINE ROOM
ELEVATORS K3 & K4, 4000 LBS @ 250 F.P.M.
ELEVATOR K5 6000 LBS @ 250 F.P.M.
SCALE ⅜"=1'-0"



OVERHEAD SHEAVE LEVEL
SCALE ⅜"=1'-0"



PIT PLAN
SCALE ⅜"=1'-0"



SECTION 1-1
ELEVATORS NOS. K3 & K4
SCALE ⅜"=1'-0"

SECTION 2-2
ELEVATOR NO K5
SCALE ⅜"=1'-0"

SECTION 3-3
ELEVATOR NO K-2

NOTES
1-INSERTS TO BE FURNISHED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR. INSERTS ABOVE 58'-5" TO BE POURED IN PLACE.
2-CONCRETE MACHINE FOUNDATIONS TO BE POURED MONOLITHICALLY & TIED INTO PIT & MACHINE ROOM FL. AFTER FOUNDATION BOLTS ARE SET. FINAL SIZE & LOCATION OF FOUNDATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.
3-3'0" x 3'0" ACCESS DOOR & 60" ACCESS LADDER BY OTHERS.
4-CUTOUTS BY OTHERS. FINAL SIZE & LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR.

NO.	DATE	SUB. NO.	BY
1	4-6-67	–	JMM
2	5-16-67	–	RSC
3	5-25-67	–	RSC

REVISIONS

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON
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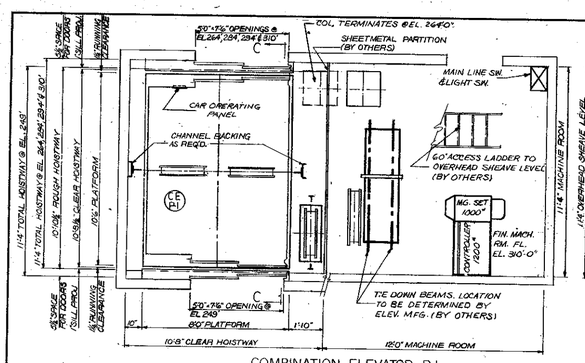
RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

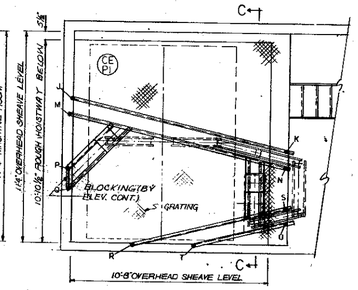
TITLE
ELEVATOR DETAILS
ELEVATORS NOS K2 THRU K5

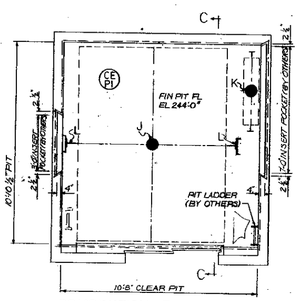
DRAWN	J.M.M.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	9-16-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-1		

SG - ELEVATORS
L-K-2 9/16/66

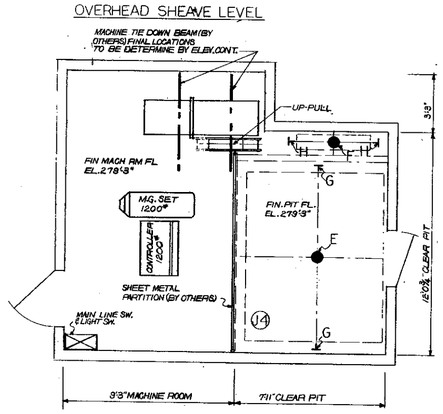


COMBINATION ELEVATOR P1
TYPICAL HOISTWAY & MACHINE ROOM PLAN
8000 LBS @ 100 FPM

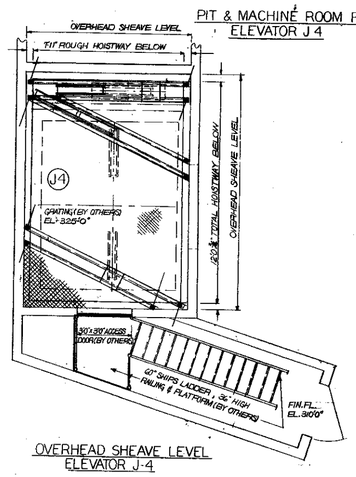




COMBINATION ELEVATOR P1
PIT PLAN



PIT & MACHINE ROOM PLAN
ELEVATOR J 4



OVERHEAD SHEAVE LEVEL
ELEVATOR J-4

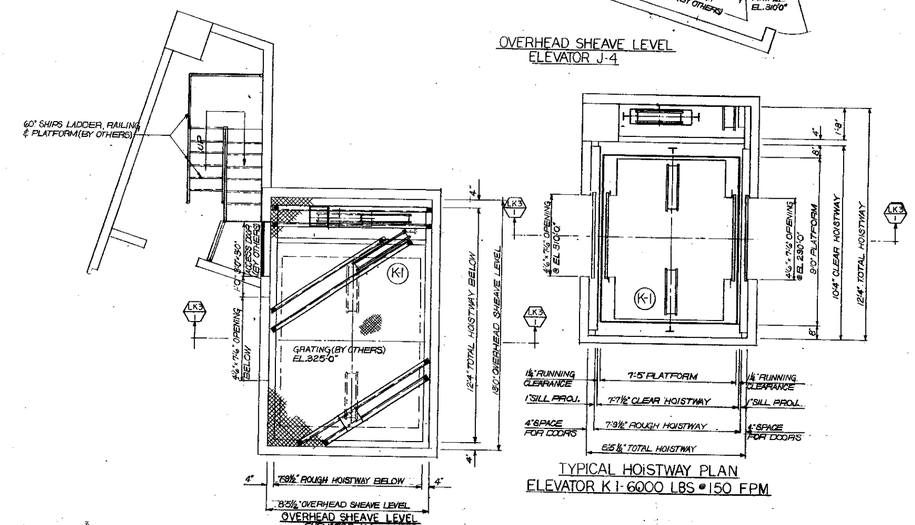
OVERHEAD SHEAVE LEVEL REACTIONS

L			

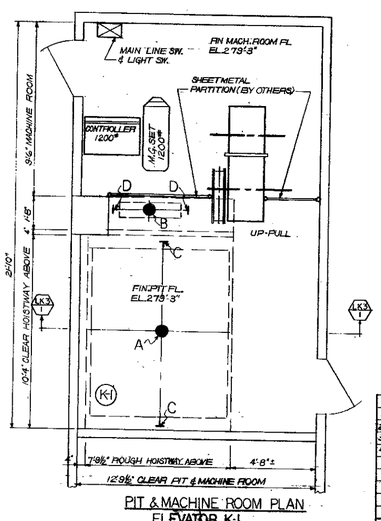
PIT REACTIONS

CAR BUFFER IMPACT	A = 56.0K	E = 34.0K	J
CWT. BUFFER IMPACT	B = 42.0K	F = 42.0K	K
CAR RAIL IMPACT	C = 28.0K	G = 28.0K	L
CWT. RAIL IMPACT	D = 21.0K	H = 21.0K	

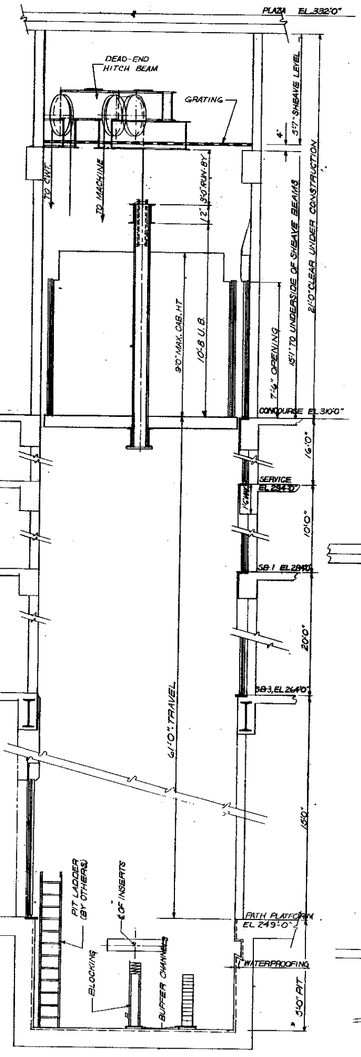
1. CAR RAILS, CWT RAILS, CAR BUFFER & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER & ADJACENT ELEVATOR ACT INDEPENDENTLY OF EACH OTHER.



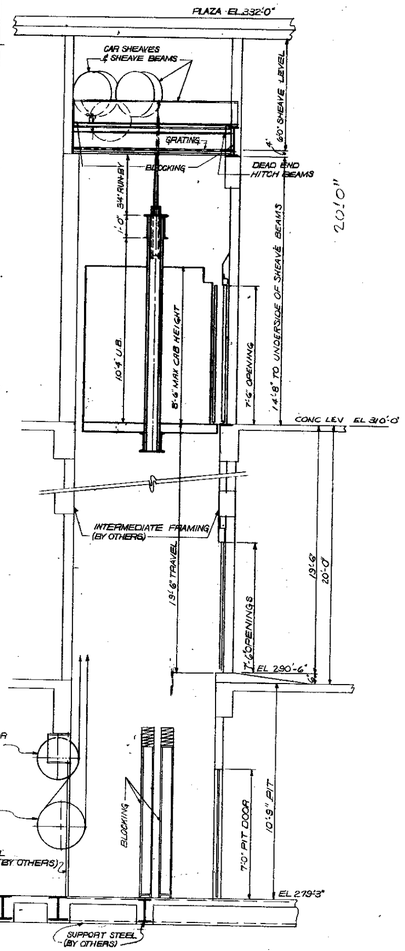
TYPICAL HOISTWAY PLAN
ELEVATOR K1-6000 LBS @ 150 FPM



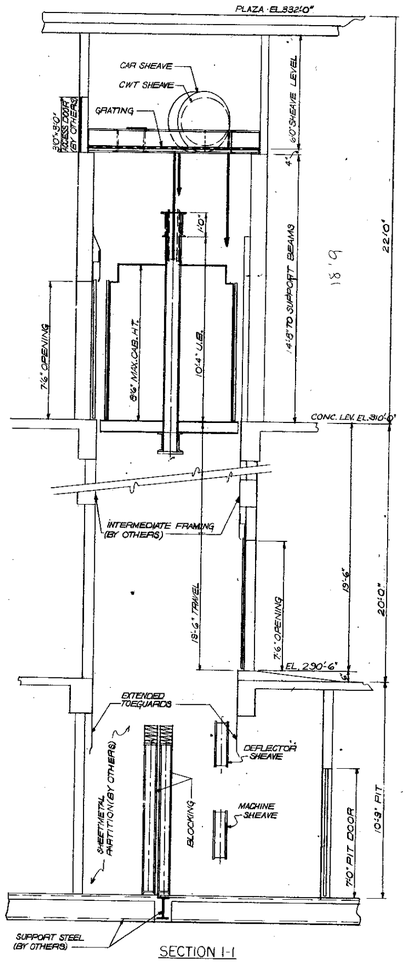
PIT & MACHINE ROOM PLAN
ELEVATOR K-L



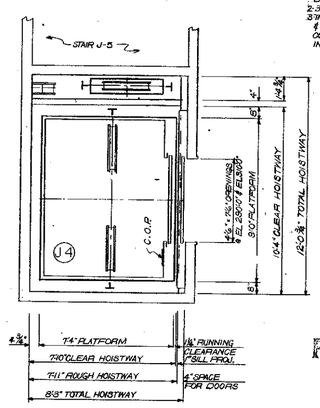
SECTION C-C



SECTION 2-2



SECTION 1-1



TYPICAL HOISTWAY PLANS
ELEVATOR J4-6000 LBS @ 150 F.P.M.

NOTES
1. OUTLETS BY OTHERS, FINAL SIZE AND LOCATION TO BE DETERMINED BY ELEVATOR CONTRACTOR
2. 30" x 32" ACCESS DOORS & 60" ACCESS LADDER BY OTHERS
3. INSERTS TO BE PROVIDED BY ELEVATOR CONTRACTOR & INSTALLED BY GENERAL CONTRACTOR, GENERAL CONTRACTOR TO CO-ORDINATE LOCATION OF THESE INSERTS IN FIELD WITH ELEVATOR CONTRACTOR

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LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	REVISIONS
3	11-6-66	ISSUED FOR BID
1	4-4-67	— JMM
2	5-16-67	— JMM
3	5-25-67	— RSC
4	5-27-67	— RSC

APPROVED
CHIEF, PLANNING DIVISION

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
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WORTHINGTON, SKILLING, HELLE & JACKSON
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RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

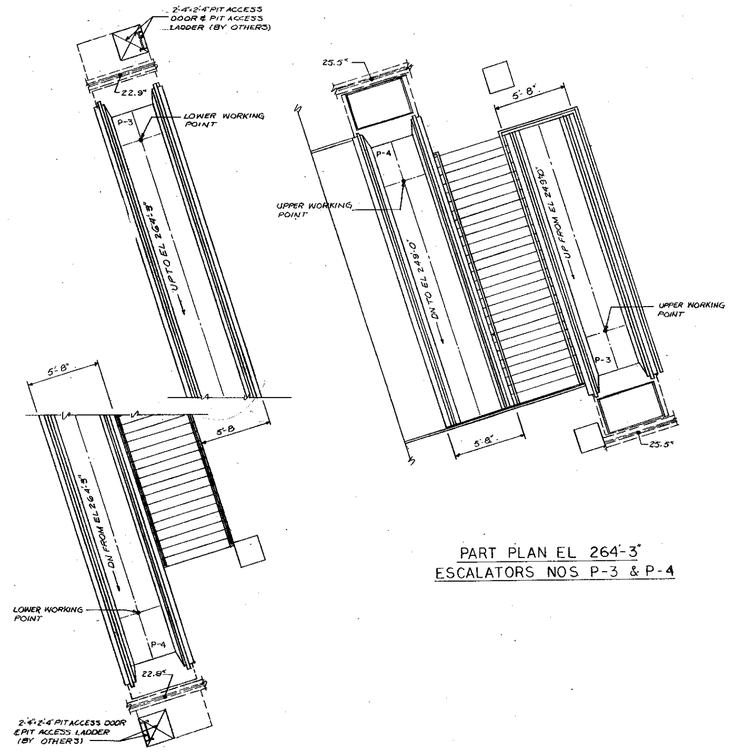
THE PORT OF NEW YORK AUTHORITY
PAYING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR DETAILS
ELEVATORS NOS J-4, K-1 & P-1

DRAWN	J.M.M.	CHECKED	C.L.K.
SCALE	3/4" = 1'-0"	DATE	9-16-66
PROJECT NUMBER		SHEET	67
DRAWING NUMBER	L-K-2		

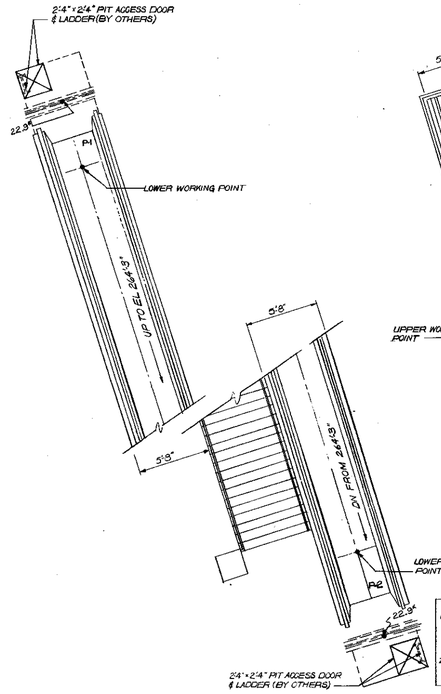
18 9
2010"

L-K-3 9/22/66

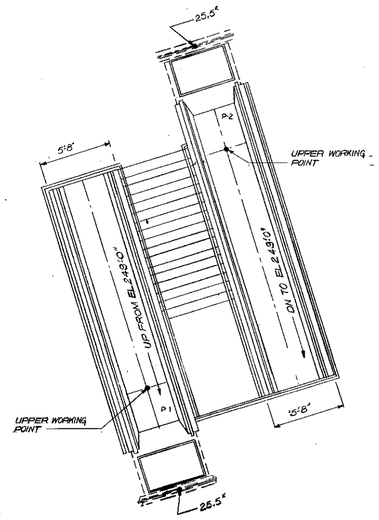


PART PLAN EL 249'-0"
ESCALATORS NOS P-3 & P-4

PART PLAN EL 264'-3"
ESCALATORS NOS P-3 & P-4



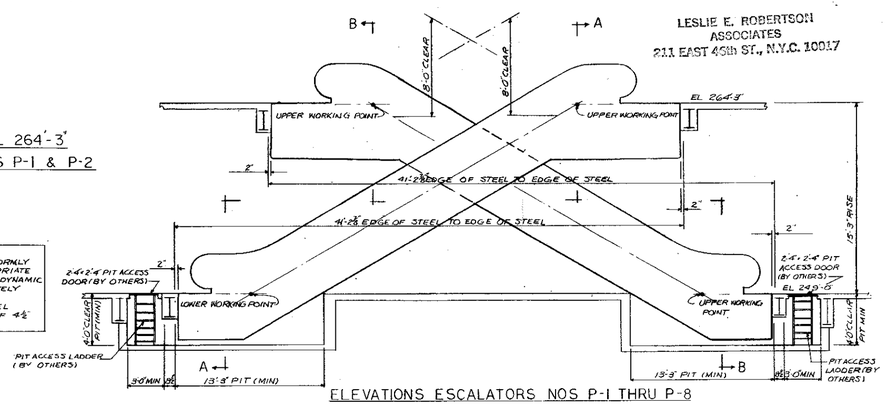
PART PLAN EL 249'-0"
ESCALATORS NOS P-1 & P-2



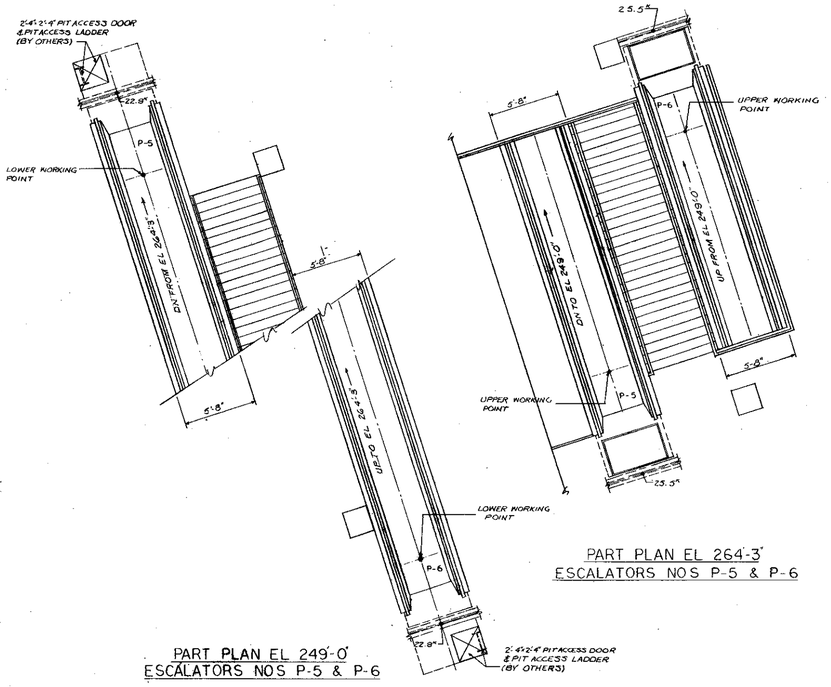
PART PLAN EL 264'-3"
ESCALATORS NOS P-1 & P-2

STRUCTURAL ENGINEER NOTE"
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FINISHED FLOOR

RECEIVED
NOV 17 1966
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

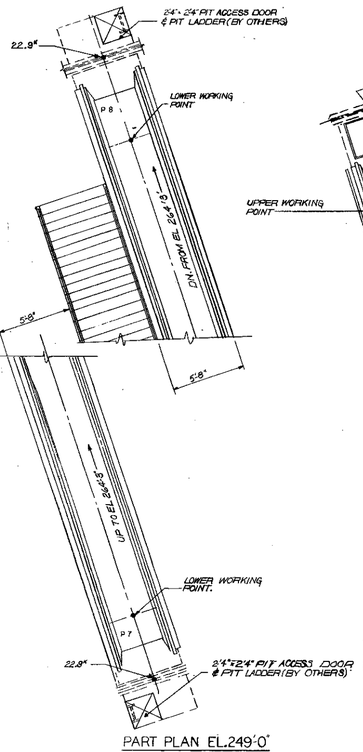


ELEVATIONS ESCALATORS NOS P-1 THRU P-8

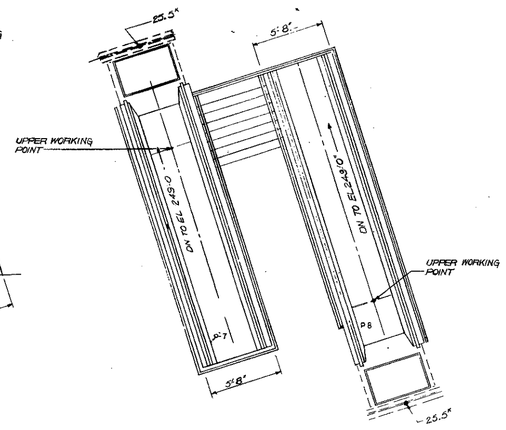


PART PLAN EL 249'-0"
ESCALATORS NOS P-5 & P-6

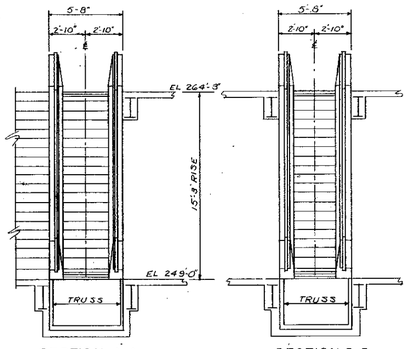
PART PLAN EL 264'-3"
ESCALATORS NOS P-5 & P-6



PART PLAN EL 249'-0"
ESCALATORS NOS P-7 & P-8



PART PLAN EL 264'-3"
ESCALATORS NOS P-7 & P-8



SECTION A-A SECTION B-B

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
	10-4-66	ISSUED FOR BID					
1	10-7-66		TMM				
2	4-1-67		TMM				

REVISIONS REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

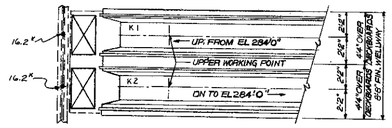
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

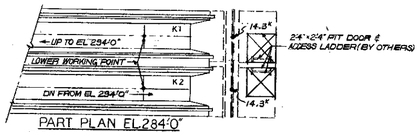
TITLE: ESCALATOR DETAILS NOS. P-1 TO P-8

DRAWN	R.C.	CHECKED	C.L.K
SCALE	¼"-1'0"	DATE	9-27-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-3		

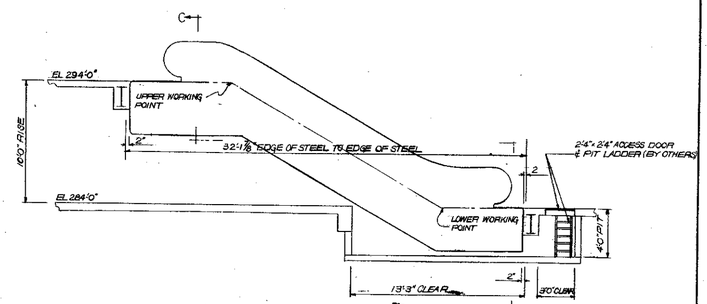
S G - ELEVATORS
LK-4 10/4/66



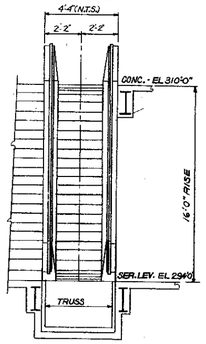
PART PLAN EL 294'-0"
ESCALATORS NOS K2 & K3



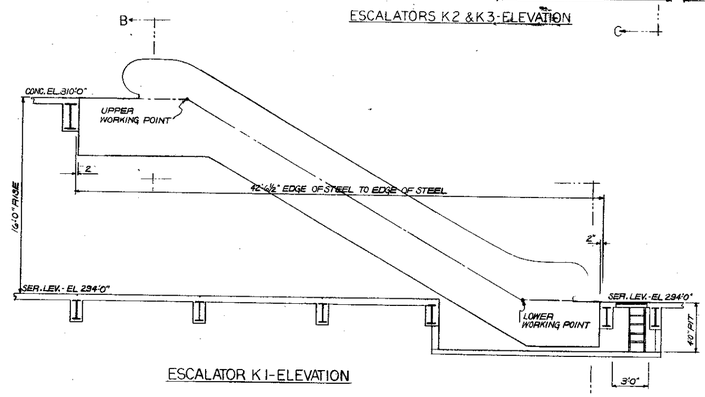
PART PLAN EL 284'-0"
ESCALATORS NOS K2 & K3



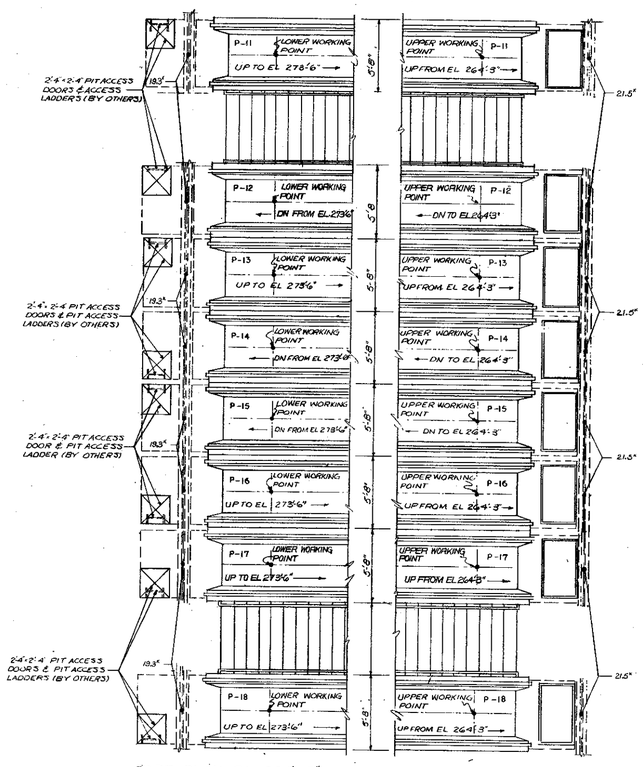
ESCALATORS K2 & K3 - ELEVATION



SECTION BB

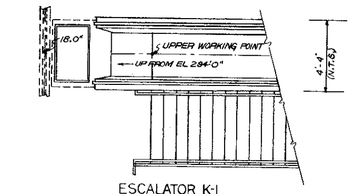


ESCALATOR K1 - ELEVATION

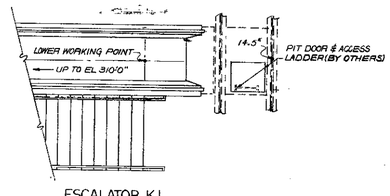


PART PLAN EL 264'-3"
ESCALATORS NOS
P-9 THRU P-16

PART PLAN EL 273'-6"
ESCALATORS NOS
P-9 THRU P-16

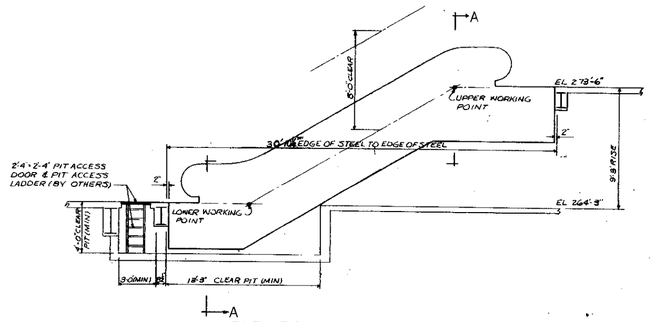


ESCALATOR K-1
PART PLAN-EL 310'0"

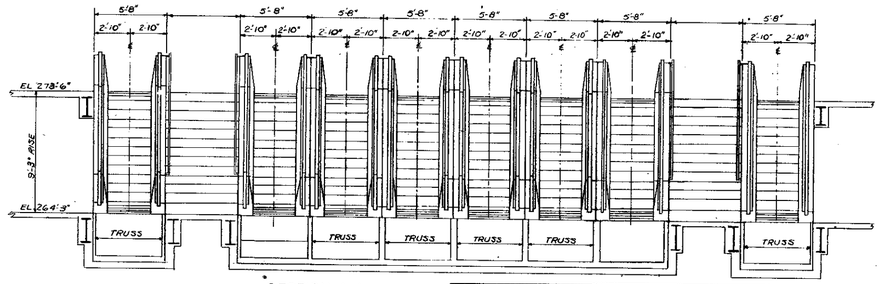


ESCALATOR K1
PART PLAN-EL 294'-0"

STRUCTURAL ENGINEER NOTE
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED AND A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4'2 BELOW FINISHED FLOOR



ELEVATION ESCALATORS NOS P-11 THRU P-18



SECTION A-A

RECEIVED
NOV 17 1966
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43th ST., N.Y.C. 10017

NO.	DATE	ISSUED FOR BID	BY
1	10-17-66	—	JMM
2	3-31-67	—	JMM
3	5-22-67	—	JMM

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

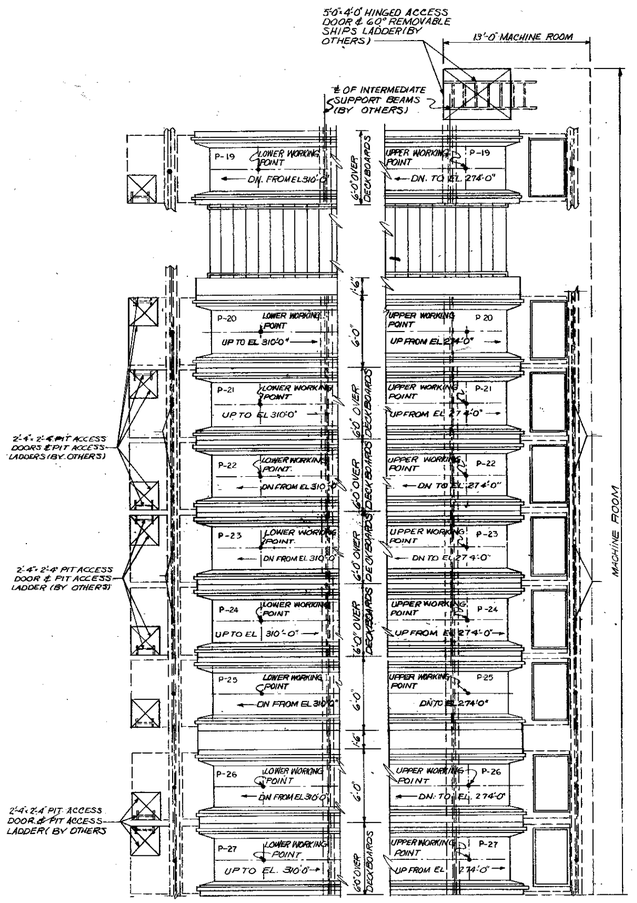
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

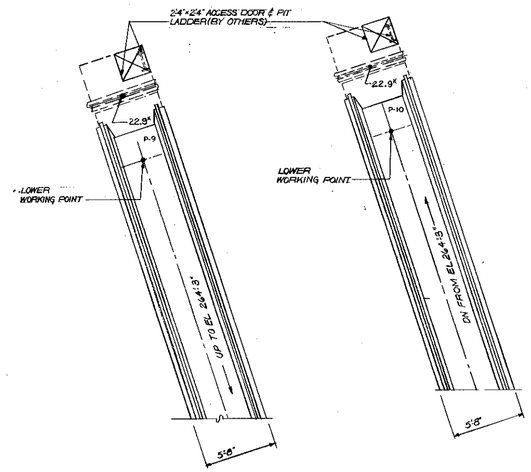
TITLE: ESCALATORS NOS. P-11 THRU P-18, K-1, K 2 & K3 DETAILS

DRAWN	R.C.	CHECKED	C.L.K
SCALE	1/4" = 1'-0"	DATE	10-4-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-4		



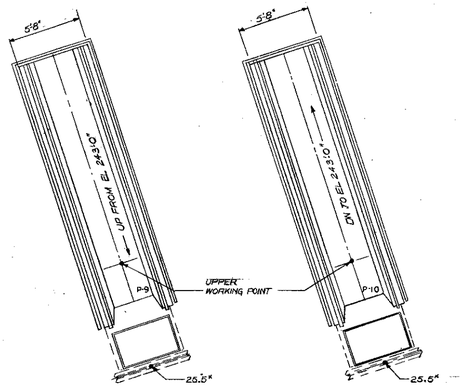
PART PLAN EL 274'-0"
ESCALATORS NO.
P-19 THRU P-27

PART PLAN EL 310'-0"
ESCALATORS NO.
P-19 THRU P-27



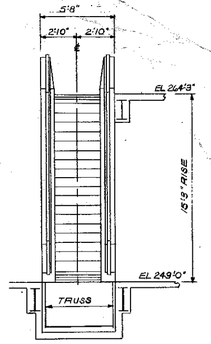
PART PLAN EL.249'-0"
ESCAL. NO. P-9

PART PLAN EL.249'-0"
ESCAL. NO. P-10

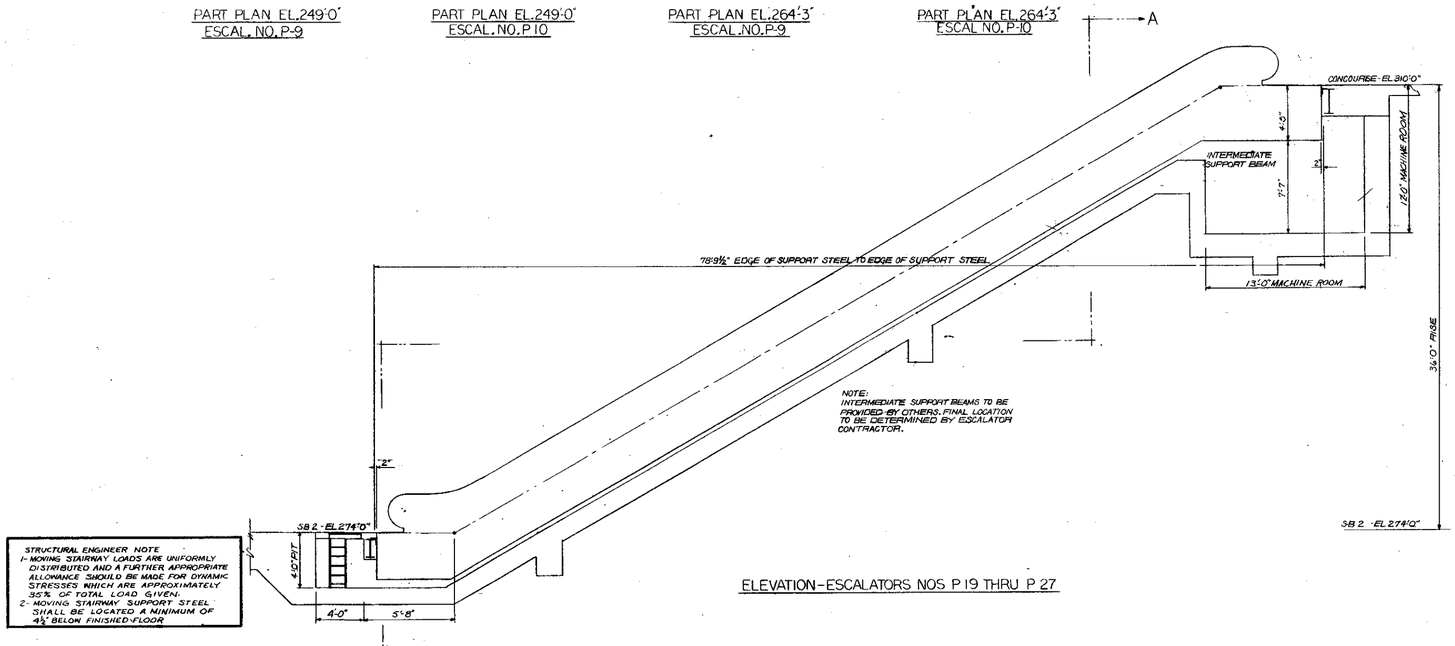


PART PLAN EL.264'-3"
ESCAL. NO. P-9

PART PLAN EL.264'-3"
ESCAL. NO. P-10

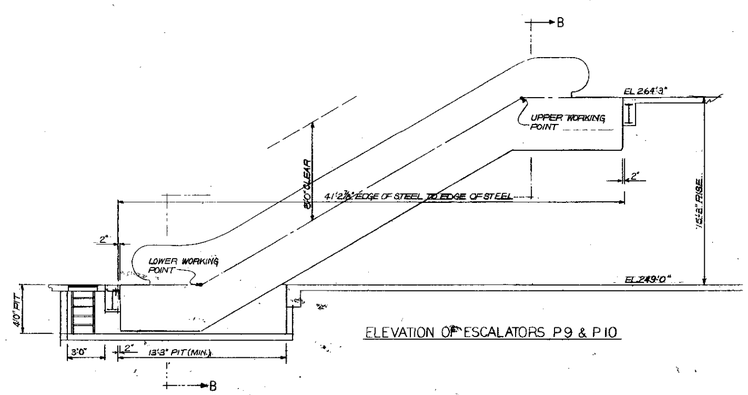


SECTION B-B

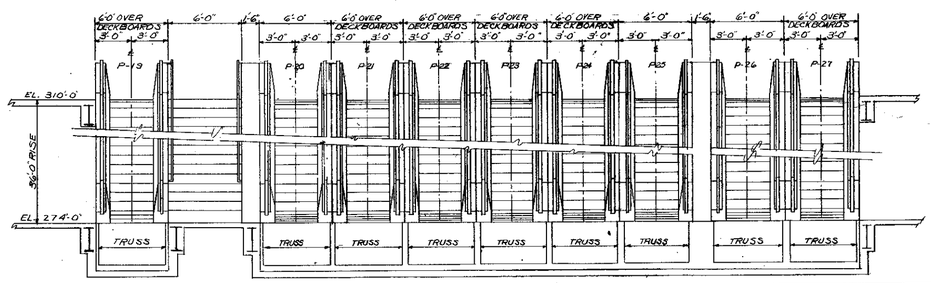


ELEVATION-ESCALATORS NOS P 19 THRU P 27

STRUCTURAL ENGINEER NOTE
1- MOVING STAIRWAY LOADS ARE UNIFORMLY DISTRIBUTED AND A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES WHICH ARE APPROXIMATELY 35% OF TOTAL LOAD GIVEN.
2- MOVING STAIRWAY SUPPORT STEEL SHALL BE LOCATED A MINIMUM OF 4½" BELOW FINISHED FLOOR



ELEVATION OF ESCALATORS P9 & P10



SECTION A-A

RECEIVED
NOV 17 1988
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd ST., N.Y.C. 10017

NO.	DATE	BUL. NO.	BY
	10-9-66	ISSUED FOR BID	
1	10-17-66	—	JMM
2	4-3-67	—	JMM
3	5-20-67	—	JMM
4	5-29-67	—	RSC
5	6-15-67	—	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIV.....
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ESCALATORS NOS. P-19 THRU P-27 P9&P10 DETAILS

DRAWN	R.C.	CHECKED	C.L.K.
SCALE	¼"-1'-0"	DATE	10-4-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-K-5		

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

U.S. CUSTOM HOUSE

ELEVATORS

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

RECEIVED
NOV 10 1982
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST. N.Y. N.Y. 10017

date	REVISIONS	
2/2/84	RESUBMITTED TO PORT AUTHORITY FOR REVIEW	
7/7/84	REVISED TO CONFORM WITH P.A. COMMENTS	1
10/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/16/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/ P.A. COMMENTS	2

1 8TH FLOOR PART DEMOLITION PLAN
SCALE 1/4"=1'-0"

2 8TH FLR. PART CONSTRUCTION PLAN
SCALE 1/4"=1'-0"

3 7TH FLOOR PART DEMOLITION PLAN
SCALE 1/4"=1'-0"

4 7TH FLR. PART CONSTRUCTION PLAN
SCALE 1/4"=1'-0"

STAIR No 7

SOMMONDRE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 594 9800

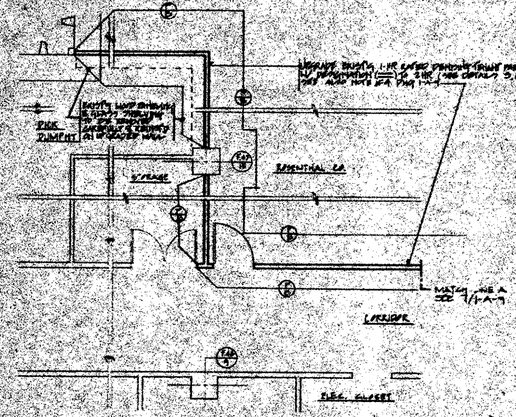
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 AREA C&H

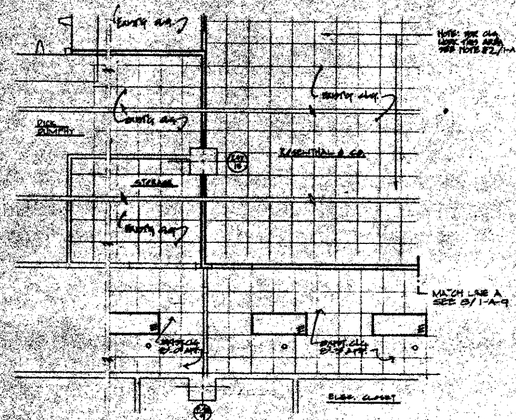
7TH & 8TH FLOOR
DEMOLITION PLANS
CONSTRUCTION PLANS

project 1930
scale AS NOTED
date 2/2/84

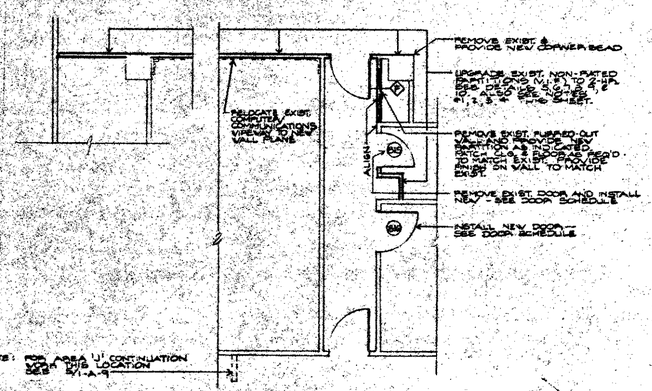
dwg no.
1-A-1



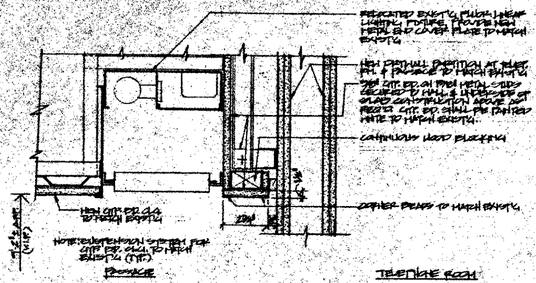
1 PART CONSTRUCTION/DEMOLITION/FINISH PLAN (7TH FLOOR)
SCALE: 1/8" = 1'-0"



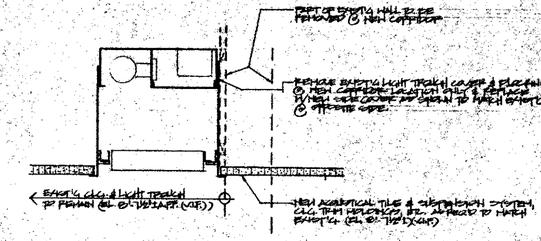
2 PART REFLECTED CEILING PLAN (7TH FLOOR)
SCALE: 1/8" = 1'-0"



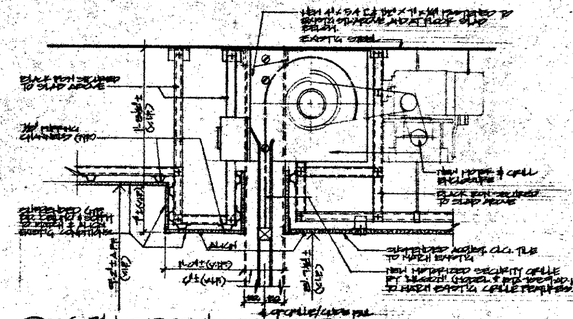
10 PART CONSTRUCTION/DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



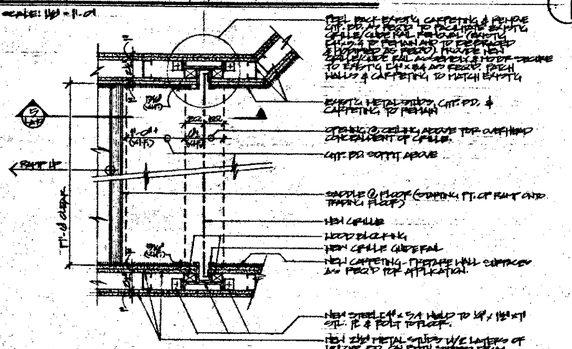
3 DETAIL @ RELOCATED LIGHT TRAKH SEE "3/1-A-12"
SCALE: 3/4" = 1'-0"



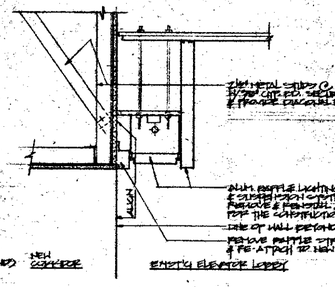
4 LIGHT TRAKH DETAIL @ NEW CORRIDOR SEE "3/1-A-12"
SCALE: 3/4" = 1'-0"



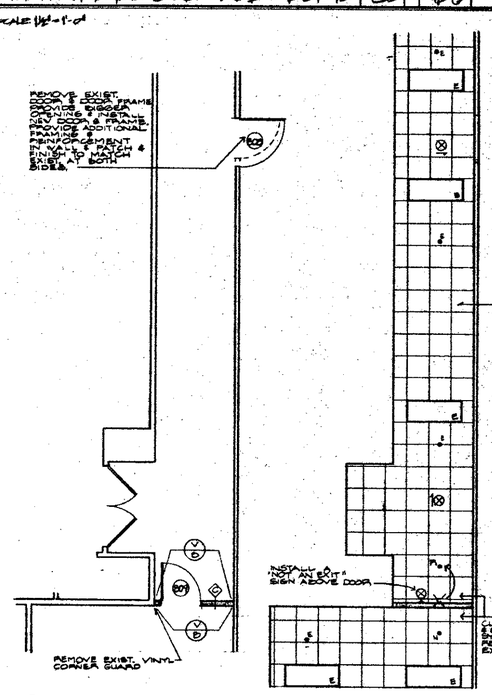
5 GRILLE DETAIL AT HEAD SEE "3/1-A-12"
SCALE: 1½" = 1'-0"



6 GRILLE/GUIDE RAIL DETAIL @ JAMBS SEE "3/1-A-12" & "3/1-A-12"
SCALE: 1½" = 1'-0"



7 LIGHTING DETAIL @ NEW ELEV. LOBBY CORRIDOR SEE "3/1-A-12"
SCALE: 1½" = 1'-0"



8 PART CONSTR'N PLAN
SCALE: 1/4" = 1'-0"

9 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTE: (TYPICAL AT ALL 2-HR UPGRADED EXISTING PARTITIONS ON 7TH & 8TH FLOORS.) G.C. SHALL VERIFY IF EXISTING DOORS' FIRERATINGS ARE 1½-HR OR '3' LABEL BEFORE FURNISHING BID AND SHALL INCLUDE IN HIS BID ANY DOORS AND/OR FRAMES TO BE REPLACED.

NOTE #1: REMOVE EXISTING VINYL BASE AND ANY WALL-MTD OR RECESSED EQUIPMENT, FURNISHINGS, AND ACCESSORIES (E.G., LOW OFFICE SCREENS, CLOCKS, ETC.) FROM BOTH SIDES OF EXISTING FULL HEIGHT PARTITION (V.I.F.) WITH DESIGNATION (NUMBER). UPGRADE PARTITION TO 2-HR FIRERATING BY PROVIDING (NUMBER) NEW ½" LAYER OF GYP. BD. (FIRECODE 'C') TO EACH SIDE FOR FULL HEIGHT OF PARTITION. PROVIDE ANY ADDITIONAL FIRERATED GYP. BD. MITERED WHERE PRESENTLY MITERING. CUT BACK EXISTING CARPETING AND PADDING TO NEW WALL PLANES. PROVIDE NEW TACKLESS. CUT BACK AND REMOVE OTHER MATERIALS AS REQUIRED (E.G. V.A.T., MOLDINGS, ETC.).

NOTE #2: ON NEW WALLPLANES PROVIDE NEW BASE AND WALL FINISHES TO MATCH EXISTING. RELOCATE AND RECORE ALL TEMPORARILY REMOVED ACCESSORIES, EQUIPMENT, AND FURNISHINGS TO NEW WALL PLANES.

NOTE #3: ALL EXISTING WALL MOUNTED SWITCHES, OUTLETS, WALL FIXTURES, ETC. AFFECTED BY CONSTRUCTION SHALL BE RELOCATED OR EXTENDED TO NEW WALL PLANES (SEE ELECTRICAL DRAWINGS AND ALSO MECHANICAL, PLUMBING AND SPRINKLER DRAWINGS FOR OTHER WORK IN THIS AREA.) AS REQUIRED TO MATCH INITIAL EXISTING CONDITIONS. CONTRACTOR SHALL CONDUCT A THOROUGH SURVEY OF EXISTING CONDITIONS BEFORE SUBMITTING BID AND INCLUDE ALL DESCRIBED WORK IN HIS BID.

NOTE #4: REMOVE EXISTING CEILING, CEILING SUSPENSION SYSTEM, LIGHTS, ETC. AS REQUIRED TO ALLOW FOR 2-HR UPGRADING CONSTRUCTION WORK. PROVIDE NEW CEILING, MOLDING, AND SUSPENSION SYSTEM TO MATCH EXISTING FOR PORTIONS REMOVED.

date	REVISIONS	
2/21/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
3/7/84	REVISED TO COMPLY WITH AREA OF REFUGE CONCEPT AND F.A. COMMENTS	⚠
4/9/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW AND GENERAL REVISIONS	⚠
11/16/84	SUBMITTED TO F.A. FOR REVIEW	

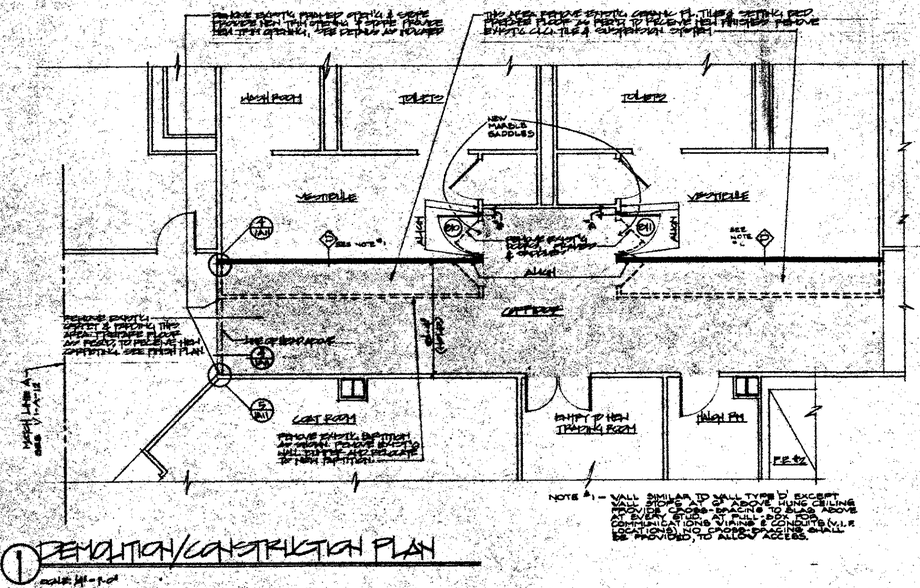
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1
AREA E,J & F

dwg. title:
7TH & 8TH FLOOR
PART PLANS

SOMMERNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695 8800

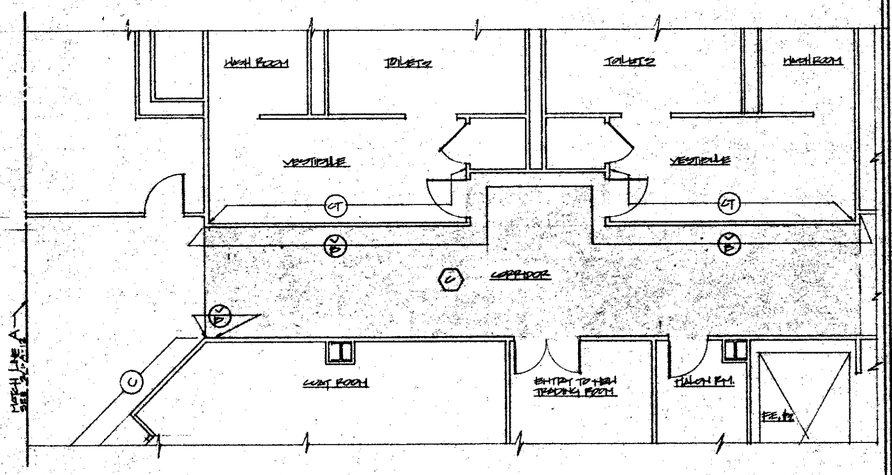
project 1930
scale AS NOTED
date 2/21/84
dwg no. 1-A-10



NOTE #1 – WALL SIMILAR TO WALL TYPE 'D' EXCEPT WALL STOPS 6" ABOVE HUNG CEILING AND IS CONSTRUCTED TO ALSO ABOVE AT EVERY SECOND STUD FROM CONTROL AT JOINS VIRGINIA & CONDUITS WILL BE PROVIDED, TO ALLOW ACCESS.

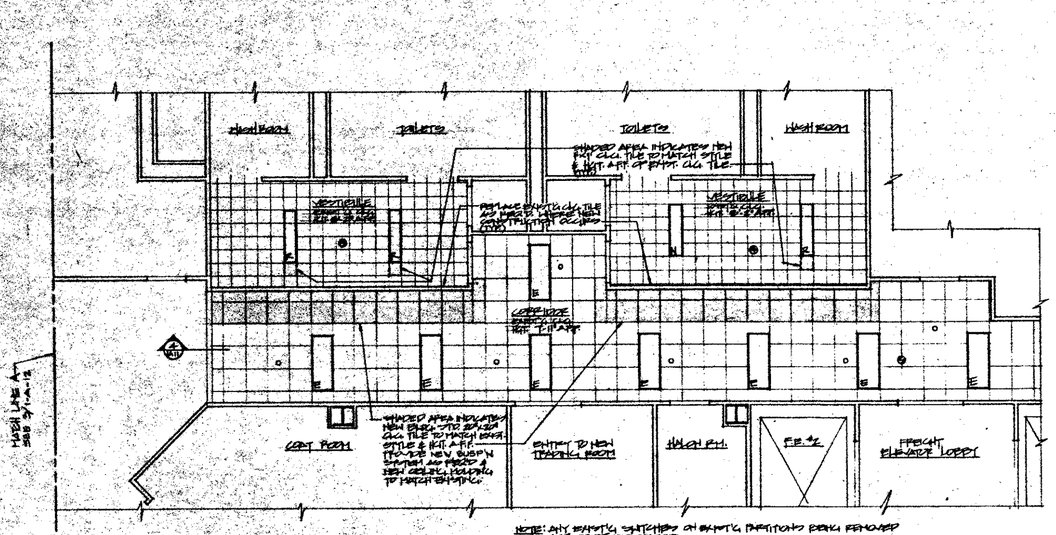
① DEMOLITION/CONSTRUCTION PLAN

scale: 1/4" = 1'-0"



② FINISH PLAN

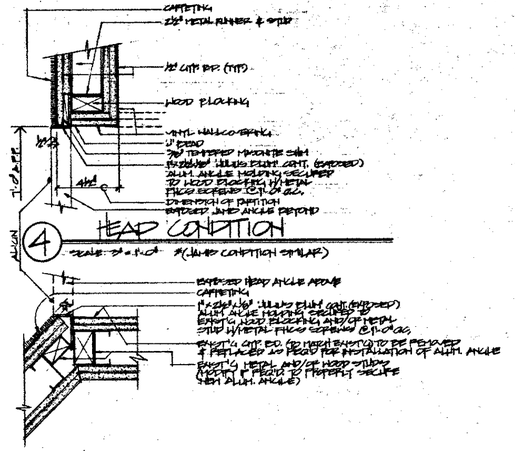
scale: 1/4" = 1'-0"



NOTE: ANY EXISTING SWITCHES OR EXISTING PARTITIONS REMOVED ARE TO BE RELOCATED.

③ REFLECTED CEILING PLAN

scale: 1/4" = 1'-0"



④ HEAD CONDITION

scale: 3" = 1'-0" #(JAMB CONDITION SIMILAR)

⑤ JAMB CONDITION

scale: 3" = 1'-0" #(OPPOSITE JAMB CONDITION IS SIMILAR TO HEAD CONDITION ABOVE)

date	REVISIONS	no.
4/7/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW (AREA OF REFUGE CONCEPT)	
10/8/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW & GENERAL REVISIONS	1
11/9/04	SUBMITTED TO P.A. FOR REVIEW	

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE

PHASE 1 AREA K

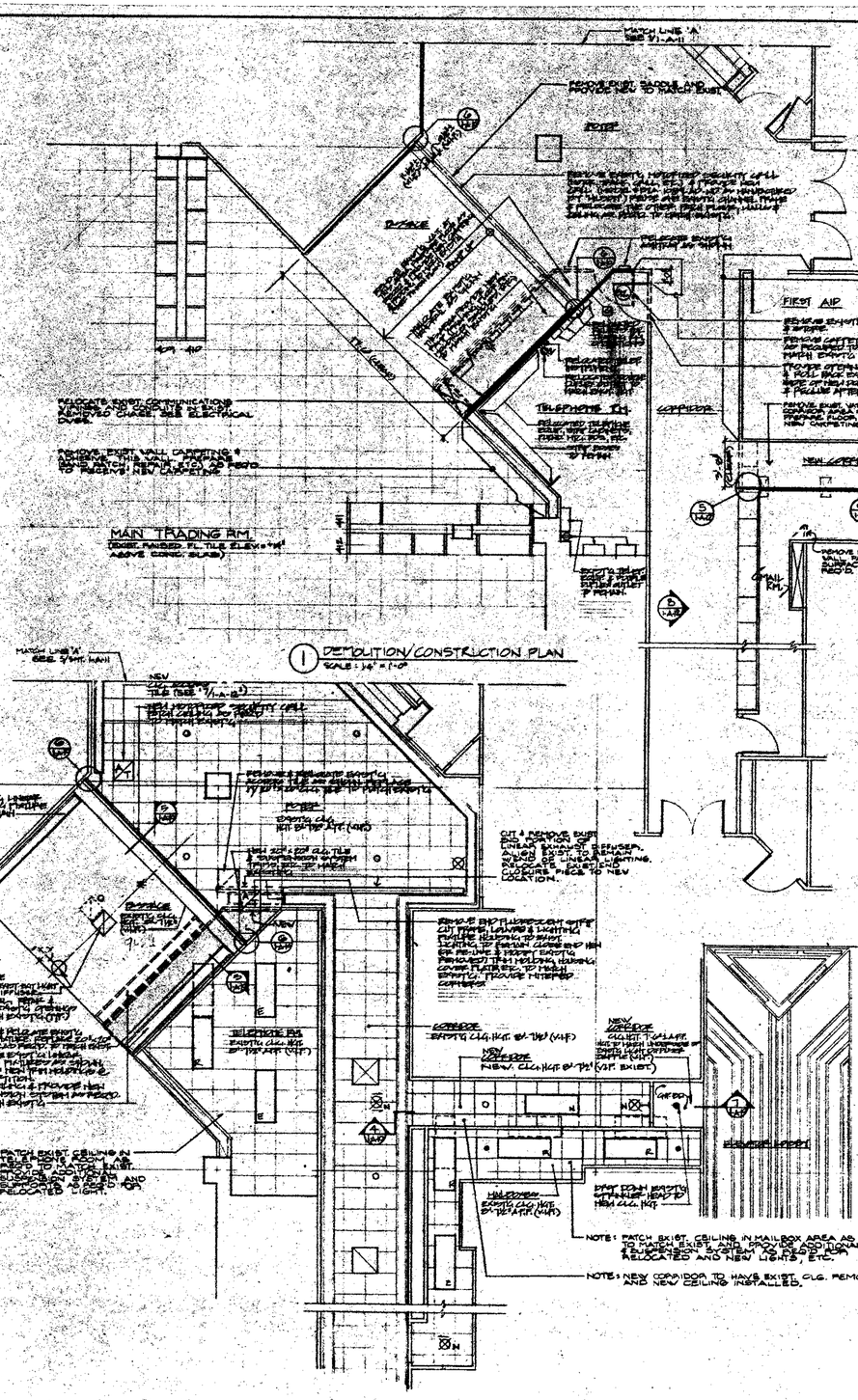
dwg. title:
6TH FLOOR
DEMO/CONSTRUCTION PLAN
REFLECTED CEILING PLAN
FINISH PLAN
DETAILS

SOSNOWSKI BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900

project 1930
scale AS NOTED
date 9/7/04

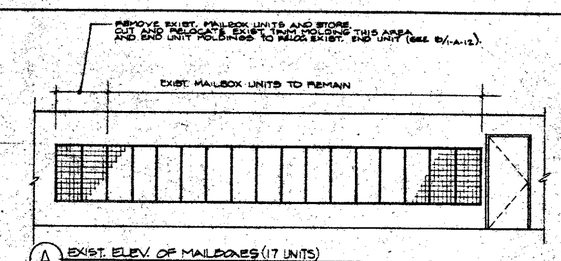
dwg no. 1-A-11

no.	REVISIONS
5/1/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW (AREA OF SERVICE CORRECTED)
7/9/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW AND SEND-OUT FOR BIDS
11/8/84	SUBMITTED TO P.A. FOR PREVIEW

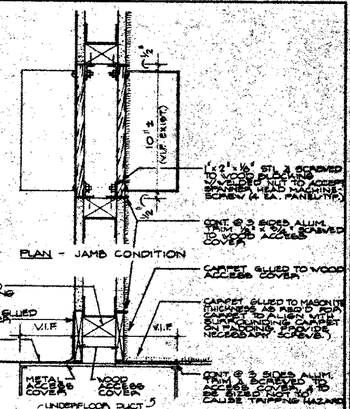


1 DEMOLITION/CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"

3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



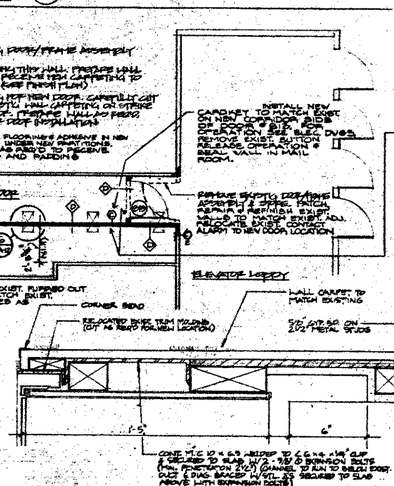
A EXIST. ELEV. OF MAILBOXES (17 UNITS)
SCALE: 1/4" = 1'-0"



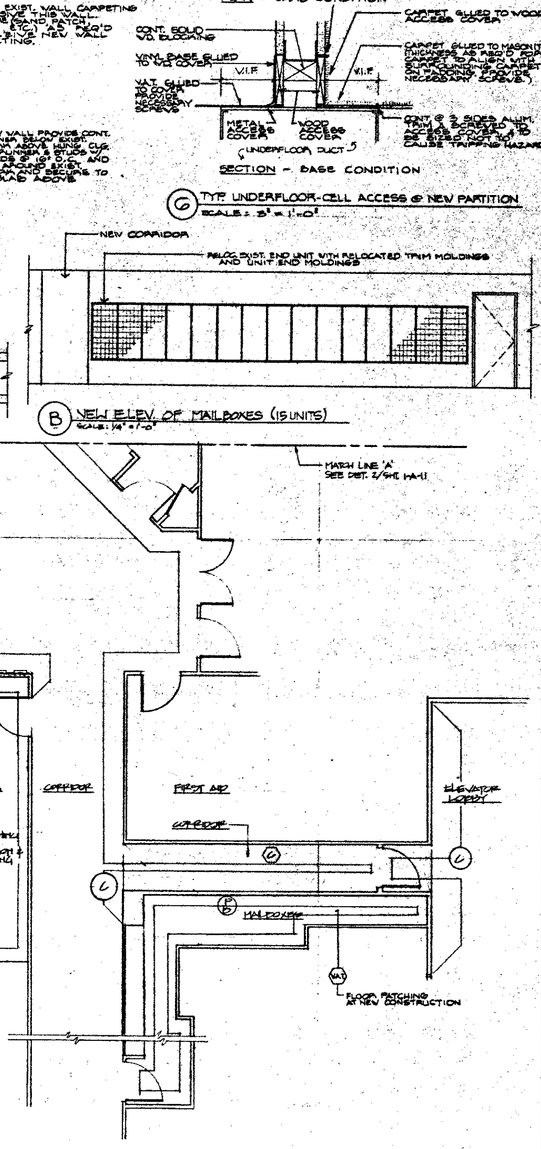
PLAN - JAMB CONDITION

SECTION - BASE CONDITION

6 TYP. UNDERFLOOR-CELL ACCESS @ NEW PARTITION
SCALE: 3" = 1'-0"



5 DETAIL
SCALE: 3" = 1'-0"



B NEW ELEV. OF MAILBOXES (15 UNITS)
SCALE: 1/4" = 1'-0"

2 FINISH PLAN
SCALE: 1/4" = 1'-0"

7 CEILING ACCESS TILE
3" = 1'-0"

CEC
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EGRESS UPGRADE

PHASE 1 AREA L,M

dwg. titles:
DEMO/CONSTRUCTION PLAN
REFLECTED CEIL. PLAN
FINISH PLAN
DETAILS

SOMMER/NORRIS BRIGNATI & MAZZEOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 989-8900

project 1930
scale AS NOTED
date 9/7/84

dwg no. 1-A-12

No.	REVISIONS	—
7/30/84	SUBMITTED TO PORT AUTH. AUTH. FOR REVIEW	
8/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
10/8/84	SUBMITTED TO P.A. FOR REVIEW	

NOTE: EXIST. TOILET PARTITIONS, DOORS, PLANTERS, BKTS., HARDWARE, ACCESSORIES, TOILETS, ETC. TO REMAIN UNLESS OTHERWISE NOTED

REMOVE EXIST. SANITARY NAPKIN DISPENSERS & WASTE RECEPTACLES AND TAMPON DISPENSER & RELOCATE AS SHOWN IN CONSTRUCTION PLAN 2/1-A-11

REMOVE ALL EXIST. C.O., SURFACE(S) SYSTEM, ETC. @ EXIST. LADIES TOILETS

REMOVE EXIST. CER. TILE & SETTING BED AT ALL AREAS AS INDICATED (TYP.) TO ALLOW FOR NEW CONSTRUCTION

FOR DEMOLITION OF THIS AREA SEE DWG# 1-A-1

REMOVE EXIST. OLD PLANTER & PROVIDE NEW - SEE CONSTRUCTION PLAN 2/1-A-11.

REMOVE EXIST. MIRROR & SHELF

REMOVE EXIST. SINKS, FAUCETS, AND SOAP DISPENSERS AND RELOCATE AS SHOWN IN CONSTRUCTION PLAN 2/1-A-11.

PROVIDE NEW SETTING BED & CERAMIC TILE TO MATCH EXIST. IN ALL AREAS AS INDICATED (TYP.)

REMOVE EXIST. TOILETS & SHELF & SEATS

NOTE: ALL NEW PARTITIONS SHALL REST ON EXIST. FLOOR SLAB (TYP.) UNLESS OTHERWISE NOTED. REMOVE EXIST. CER. TILE & MORTAR BED AS REQ'D TO ACCOMODATE TILE & PANEL REPAIR & REINSTALL (CER. TILE) AND/OR PROVIDE NEW CER. TILE & MORTAR BED AROUND PARTITIONS AS REQ'D TO MATCH EXIST. ADJACENT FLOOR. AREAS INDICATED ON DWG. FOR TILE & BED REMOVAL AS WELL AS PATCHING W/ NEW ARE DIAGRAMMATIC & SHALL BE FIELD VERIFIED & ALL DISCREPANCIES REPORTED TO ARCHITECT PRIOR TO SUBMITTING BID (SEE SPECIFICATIONS).

1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"

PROVIDE NEW TOILET PARTITIONS, DOORS, PLANTERS, BRACKET, HARDWARE ACCESSORIES, TOILET FLUSH VALVES, SEATS, ETC. TO MATCH EXIST. (TYP.)

THIS EXIST. WALL PROVIDE ONE LAYER OF 5/8" G.W.B. FOR FUR TO SLAB & SOUND PROOFING TO MATCH EXIST. (TYP.)

EXIST. TOILET PARTITIONS, DOORS, PLANTERS, BKTS., HARDWARE ACCESSORIES, TOILETS, ETC. TO REMAIN

RELOCATE EXIST. SINKS, FAUCETS & SOAP DISPENSERS AS SHOWN. PROVIDE TWO NEW SINKS, ETC. TO MATCH.

NEW COUNTER & MIRROR SEE DETAIL 4/1-A-11.

FOR CONSTRUCTION OF THIS AREA SEE DWG# 1-A-1

LADIES TOILETS

2 CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"

E.L.O. HT. 10'-11" A.F.F. (V.I.F. EXIST.)

PLANTERS @ C.L.G. DETAIL OF C.L.G. PENETRATIONS & NEW PLANTER CABLE CUTS TO MATCH EXISTING SYSTEMS TO MATCH EXIST. (TYP.)

PROVIDE ALL NEW CEILING SUSPENSION SYSTEM, ETC. TO MATCH EXIST. (TYP.)

3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

EXIST. TOILET CONSTRUCTION

NEW TOILET CONSTRUCTION

NOTE: ALL RELOCATED TOILET FIXTURES & ACCESSORIES AS WELL AS NEW SHALL HAVE MOUNTING HEIGHTS TO MATCH EXIST. UNLESS OTHERWISE LISTED (TYP.).

A ELEVATION
SCALE: 1/4"=1'-0"

NEW TOILET PARTITIONS

NEW TOILET PAPER DISPENSER

NEW TOILET

NEW SANITARY NAPKIN DISPOSAL

RELOCATED EXIST. SOAP DISPENSERS (TYP. AS WALL)

RELOCATED EXIST. PAPER TOWEL DISPENSER & WASTE RECEPTACLE W/ NEW SURFACE MTD. STAINLESS STL. SHIM (COMPATIBLE W/ EXIST. DESIGN & FINISH.)

RELOCATED EXIST. SINKS & FAUCETS. PROVIDE NEW TRAPS, PLUMBING, CONNECTIONS, PIPING, ETC. - TYP. FOR ALL NEW & EXIST. RELOCATED.

B ELEVATION
SCALE: 1/4"=1'-0"

NEW SOAP DISPENSER TO MATCH EXIST. PROVIDE TWO(2)

NEW SINK & FAUCET TO MATCH EXIST. PROVIDE TWO(2)

NEW MIRROR

NEW COUNTER

C ELEVATION
SCALE: 1/4"=1'-0"

CAULK WOOD BLOCKING

SUSPENDED C.G.

WOOD CLEATS

1/4" POLISH PLATE GLASS MIRROR ON MASTIC ON 1/2" PLYWOOD BACKING

1/8"x7/8" POLISHED ALUMINUM TRIM (4 SIDES)

1/8" SEALANT (COLOR TO MATCH GROUT IN CERAMIC TILE)

MAS. LAM. TOP & BACKSPLASH

CAULK 1/8" x 1/8" EXP. ALUM. STRIP (3 SIDES)

CAULK W.D. BLOCKING

FINISH CERAMIC TILE FLOOR

EXIST. CONC. SLAB

NOTE: MATCH EXIST. SETTING BED & WALLS & FLOORS - TYP. (V.I.F.)

4 DETAIL
SCALE: 3"=1'-0"

SHELF BELOW

1/8"x7/8" ALUM. TRIM

LINE OF GYP. BD. PARTITION

3/4"

5 DETAIL
SCALE: 3"=1'-0"

RELOCATED EXIST. SOAP DISPENSERS PAPER & SINKS

NEW SOAP DISPENSERS, PAPER & SINKS TO MATCH EXIST.

NEW TOILET PARTITIONS

NEW TOILET PAPER DISPENSER

NEW TOILET

NEW SANITARY NAPKIN DISPOSAL

D ELEVATION
SCALE: 1/4"=1'-0"

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PHASE 1
EGRESS UPGRADE
AREA C

dwg. title:
LADIES TOILETS

SIMONENDRE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 886-9800

project 1930
scale AS NOTED
date 9/7/84

dwg. no.
1-A-13

date	REVISIONS	
2/21/84	SUBMITTED TO DEPT AUTHORITY FOR REVIEW	
4/7/84	REVISED TO COMPLY WITH D.A. COMMENTS	1
4/25/84	SUBMITTED TO DEPT AUTHORITY FOR REVIEW	
1/16/84	SUBMITTED TO D.A. FOR REV. BY AND SPRINK. REVISIONS TO COMPLY W/FA COMMENTS	2

1 SECTION
SCALE: 1/4"=1'-0"

2 ELEVATION/SECTION
SCALE 1/4"=1'-0"

3 CONSTRUCTION/DEMOLITION PLAN (7TH FLOOR)
SCALE 1/4"=1'-0"

7 DETAIL-ACCESS DOOR
3"=1'-0"

6 SECTION-STAIR #7
3"=1'-0"

5 SOFFIT @ STAIR #7 DETAIL
SCALE 1½"=1'-0"

4 REFLECTED CEILING PLAN (7TH FL.)
SCALE: 1/4"=1'-0"

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EGRESS UPGRADE
PHASE 1 AREA C&G

dwg. title:
PLANS, SECTIONS, DETAILS

SCHIENDORF BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-8800

project 1930
scale AS NOTED
date 2/21/84

dwg no.
1-A-2

date	REVISIONS	no.
1/20/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
4/7/04	RE-ISSUED TO COMPLY WITH P.A. COMMENTS	1
10/8/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/4/04	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/ P.A. COMMENTS	2

GENERAL NOTES

1. ALL WOOD BLOCKING & PLYWOOD TO BE FIRE RETARDANT TYPE

CABINET NOTES

1. EXIST BASE & WALL CABINETS TO BE RELOCATED TO NEW COMPARISON ROOM.
2. PROVIDE NEW BASE & WALL CABINETS TO MATCH EXISTING SEE ELEVATION 6/1.A-4
3. PROVIDE NEW END FILLER PIECE SEE ELEVATION 8/1.A-4
4. EXIST BASE & WALL CABINETS ETC. TO REMAIN SEE ELEVATION 6/1.A-4
5. EXIST BASE & WALL CABINETS ETC. TO BE MODIFIED & RELOCATED. SEE ELEVATION 8/1.A-4
6. REMOVE EXIST BASE CABINET SEE ELEVATION 4/1.A-4
7. EXISTG. COUNTER IN C.F. & C.M. MACHINE USED TO BE RELOCATED SHALL BE DISMANTLED W/ EXTREME CARE & DETAIL BY MECHANICS ONLY FOR INSTALL & REMOVAL (2 TIMES). ASSEMBLE TOP USED BACKING SHEET TO NEW LOCATION EXISTING BASE ASSEMBLY TECHNIQUES AS USED ORIGINALLY.

B. NOTING UNLISTED IN C.F.B.O. CARD WORK SHALL MATCH EXISTG.

LEGEND

- EXIST. PARTITION, NOT TO BE REMOVED
- EXIST. PARTITION, NOT TO REMAIN
- EXIST. PARTITION TO REMAIN, WHICH MAY REQUIRE PATCH, REPAIR, PAINTING AND OR TO BE REVISED NEW FINISHING.
- NEW DRYWALL PARTITION (UNLESS OTHERWISE NOTED), WITH INDICATION FOR PARTITION TYPE.
- NEW MATERIAL ON EXIST. PARTITION SURFACE, WITH INDICATION FOR PARTITION TYPE.
- ROOM NUMBER
- DOOR NUMBER
- TARGETING COLUMN NUMBER
- ELEVATION NUMBER OR LETTER REFERENCE SHEET NO.
- SECTION NUMBER OR LETTER REFERENCE SHEET NO.

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NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA H

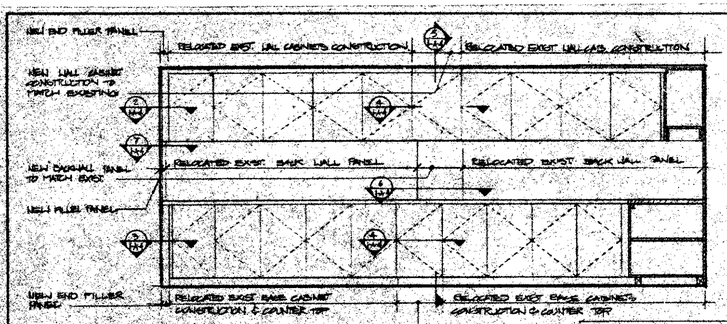
OWG. TITLE:

7TH FLOOR
DEMOLITION/CONSTRUCTION PLAN
CABINET ELEVATIONS & DETAILS

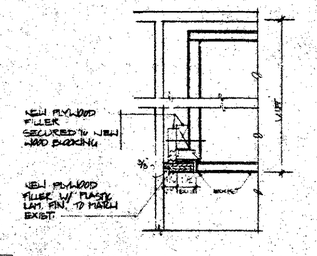
CONSIGLIERE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 366-6800

project 1980
scale NO NOTED
date 2/2/04

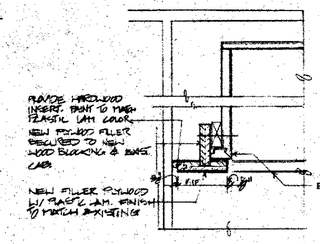
dwg no. 1-A-3



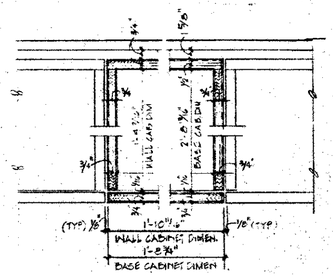
B NEW ELEVATION
SCALE: 1/2"=1'-0"



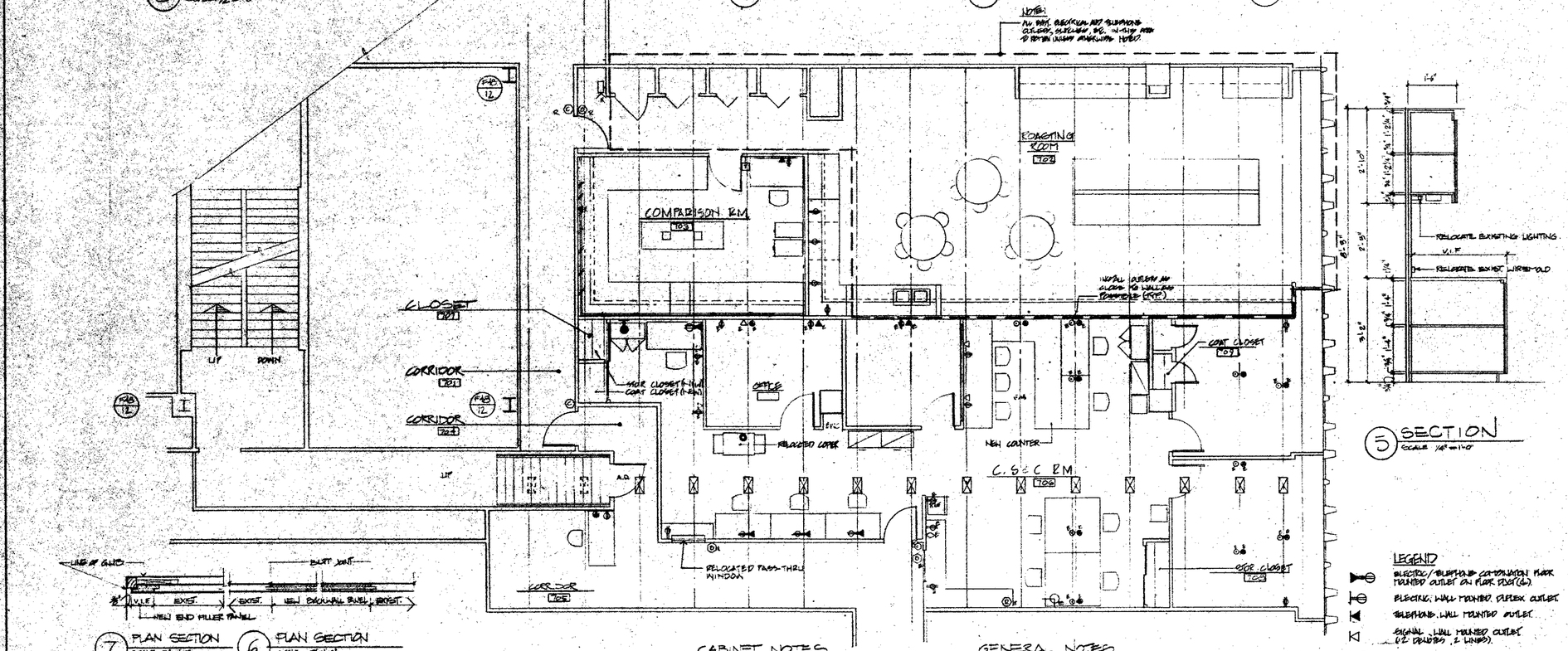
2 PLAN SECTION
3"=1'-0"



3 PLAN SECTION
3"=1'-0"



4 PLAN SECTION
3"=1'-0"

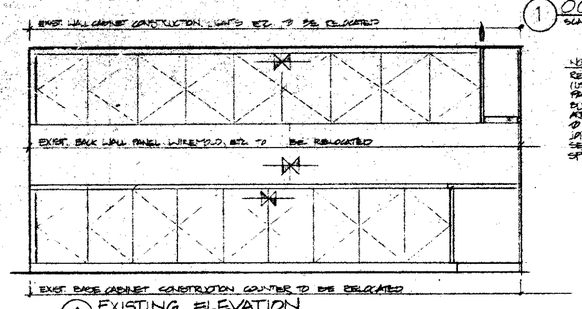


5 SECTION
SCALE: 1/4"=1'-0"

7 PLAN SECTION
SCALE 3"=1'-0"

6 PLAN SECTION
SCALE 3"=1'-0"

1 OCCUPANCY PLAN
SCALE 1/8"=1'-0"



A EXISTING ELEVATION
SCALE: 1/2"=1'-0"

NOTE:
RELOCATED EXIST. CABINETS (UPPER & BASE) AND BACK WALL PANEL TO BE FILLED WITH 1/2" BUTT JOINTS AS INDICATED WITH ARROWS AND NEW CABINETS ETC. TO BE MODIFIED ACCORDINGLY. SEE ELEVATION B/A-4 SEE ALSO DTL. 9/A-6 FOR SPLICE JOINT BETWEEN HARDWOOD.

CABINET NOTES

1. ALL EXIST CAB TO BE WORK IN COMPARISON ROOM SCHED. TO BE RELOCATED SHALL BE DISASSEMBLED WITH EXTREME CARE AND STORED AS DIRECTED BY C.E.C. CABINETWORK SHALL BE REASSEMBLED AND FITTED TOGETHER TO MATCH PREVIOUS MODIFIED CONSTRUCTION INTEGRITY
2. NEW TOOLING AND MODIFICATIONS TO EXISTING CABINETWORK SHALL BE DONE AT THE MILLWORK SHOP
3. ALL NEW CABINETWORK CONSTRUCTION, PLASTIC LAMINATE, HARDWARE ETC. SHALL MATCH EXIST ADJACENT CABINETWORK CONSTRUCTION UNLESS OTHERWISE NOTED
4. FOR ALL NEW CABINETWORK - DOOR HARDWARE USE "SOSS" SOSS HINGES # HC 425/0 FOR FULL OVERLAY, # HC 425/9 FOR HALF OVERLAY, & # HC 425/11 FOR FULL INSET TYPE DOOR. CONTRACTOR TO VERIFY IN FIELD CORRECT TYPE

GENERAL NOTES

1. ALL WALL OUTLETS TO BE 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED
2. ALL OUTLETS SHOWN BETWEEN UNLESS OTHERWISE INDICATED
3. E PRINT TO SYMBOL INDICATES EXISTING TO REMAIN 'E' PRINT TO SYMBOLS INDICATES EXISTING RELOCATED DOTTED SYMBOLS INDICATE EXIST. TO BE REMOVED
4. WHERE DUPLEX & TELEPHONE OUTLETS ARE IN TANDEM THEY SHALL BE SPACED AS CLOSE TOGETHER AS POSSIBLE. DIMENSIONS TO TANDEM OUTLETS ARE TO & BETWEEN OUTLETS IN ONE DIRECTION & & OUTLETS IN OTHER DIRECTION
5. ALL FURNITURE TO BE PURCHASED BY C.E.C.

LEGEND

- ELECTRIC/TELEPHONE COMBINATION FLOOR MOUNTED OUTLET ON FLOOR DUCT (E)
- ELECTRIC, WALL MOUNTED, DUPLEX OUTLET
- TELEPHONE, WALL MOUNTED OUTLET
- SIGNAL, WALL MOUNTED OUTLET (12 DEVICES, 2 LINES)
- CLOCK, WALL MOUNTED OUTLET
- ELECTRIC, FLOOR MOUNTED OUTLET ON FLOOR DUCT (E)
- TELEPHONE, FLOOR MOUNTED OUTLET ON FLOOR DUCT (E)
- ELECTRIC, WALL MOUNTED, ISOLATED CIRCUIT DUPLEX OUTLET
- DOOR RELEASE
- PUSH BUTTON
- CARD KEY.
- CHIMES.
- ELEC. WORK COUNTER.
- THERMOSTAT
- ELECTRIC EYE
- ELECTRIC FLOOR MOUNTED OUTLET ON FLOOR DUCT (E) (SEPARATE CIRCUIT)
- PLUG MOULDING (EXISTING RELOCATED)
- UNDERFLOOR ACCESS TILE (EXISTING)
- ℄ OF UNDERFLOOR DUCTS (SERVICE)
- ELECTRIC FLOOR MOUNTED DUPLEX OUTLET (SEPARATE CIRCUIT)

REVISIONS

1/6/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW
1/20/84	RESUBMITTED TO PORT AUTHORITY FOR REVIEW
1/31/84	SUBMITTED TO P.A. FOR REVIEW

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NEW YORK, NEW YORK 10048

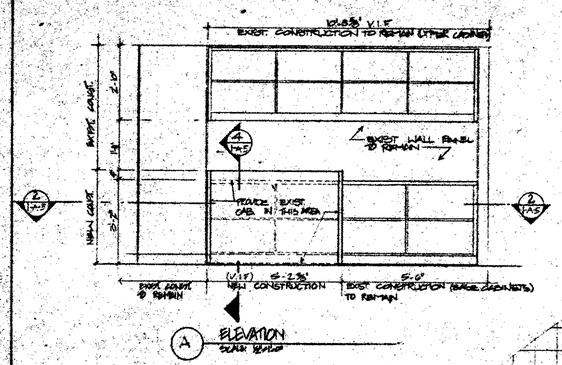
EGRESS UPGRADE
PHASE 1 AREA H

7th FLOOR
OCCUPANCY PLAN
CABINET ELEVATIONS
DETAILS

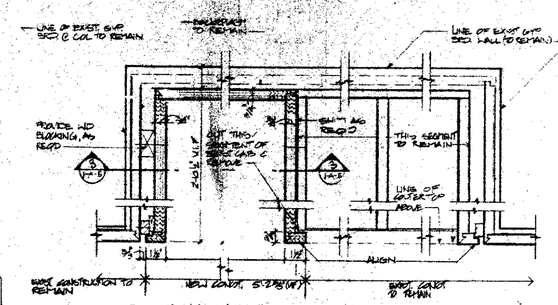
BONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-8900

project 1930
scale As NOTED
date 2/21/84

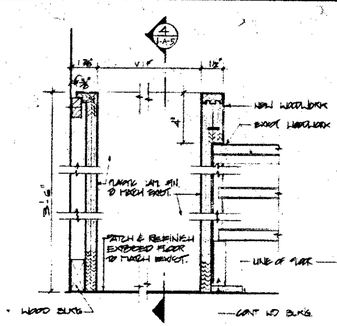
dwg no.
1-A-4



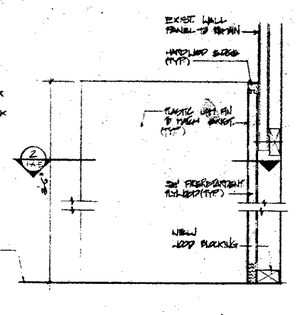
A ELEVATION
SCALE: 3/4"=1'-0"



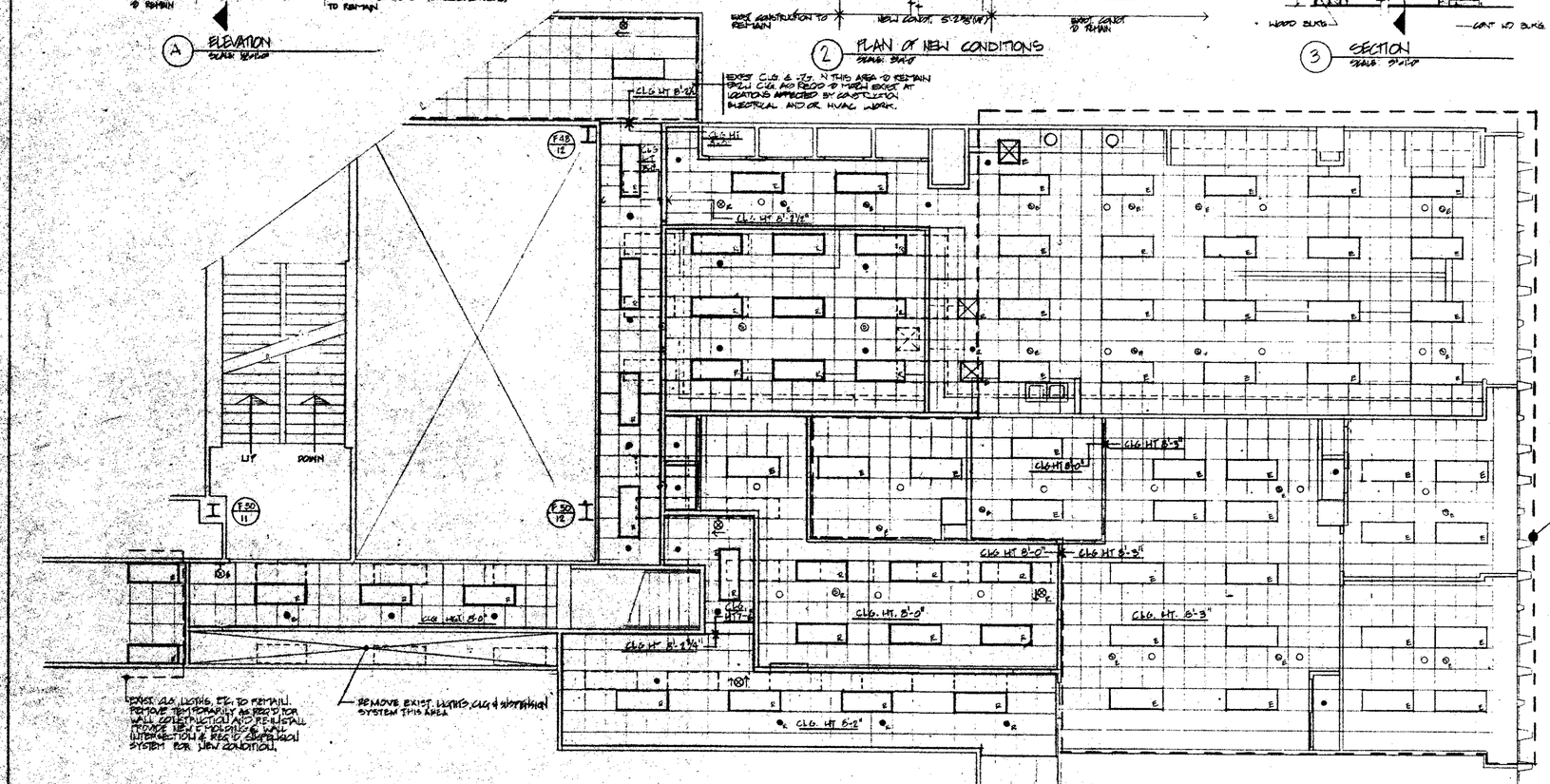
2 PLAN OF NEW CONDITIONS
SCALE: 3/4"=1'-0"



3 SECTION
SCALE: 3"=1'-0"



4 SECTION / ELEVATION
SCALE: 3"=1'-0"



1 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

CEILING NOTES

1. PROVIDE CONTINUOUS EXPOSED T MOLDINGS AT ALL CEILING/WALL INTERSECTIONS.
2. ALL CEILING WORK TO CONFORM TO PORT AUTHORITY STANDARDS.
3. FURNISH & INSTALL NEW CLG. ACCESS TILES IN MARKED AREAS @ ALL VOLUME DAMPERS & CONTROLS LOCATED ABOVE THE CLG. (SEE H.V.A.C. PLAN). ACCESS TILES SHALL BE IDENTIFIED W/ ACCESS TILE TABS.
4. ALL NEW LIGHT FIXTURES TO BE 3 LAMP.

CABINET NOTES

1. SEE CABINET NOTES 1 & 2 ON DWG I-A-6
2. PLASTIC LAMINATE OF NEW CABINET CONSTRUCTION TO MATCH EXIST. CASEWORK CONSTRUCTION UNLESS OTHERWISE NOTED.

LEGEND

- FLUORESCENT LIGHT FIXTURE 2'0"x5'0" (FA. BLDG STD) WITH RECONNECTION FOR FIXTURES TO REMAIN (E), DRAWING RELOCATED (E) AND NEW (N).
- NEW 2'0"x2'0" CAVERNEY OTHER ACOUSTICAL TILE CEILING (FA. BLDG STANDARD) UNLESS OTHERWISE NOTED
- NEW GYPSUM BOARD CLG.
- EXIST. SPRINKLER HEAD TO REMAIN
- NEW SPRINKLER HEAD (K INDICATES RELOCATED)
- EXIT LIGHT (→ INDICATES DIRECTION ON SIDE SHOWN)
- SPEAKER.

dwn	REVISIONS	no.
1/18/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
1/31/84	REVISED TO COMPLY WITH P.A. COMMENTS	△
10/9/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
1/6/84	SUBMITTED TO P.A. FOR REVIEW	

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NEW YORK, NEW YORK 10048

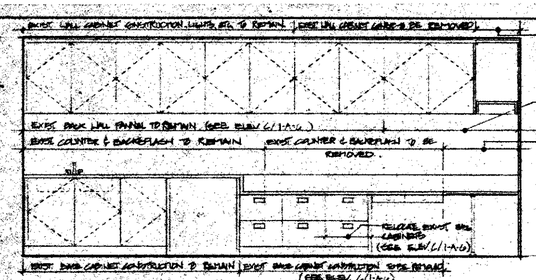
EGRESS UPGRADE
PHASE 1 AREA H

7TH FLOOR
REFLECTED CEILING PLAN
CABINET ELEVATIONS
DETAILS

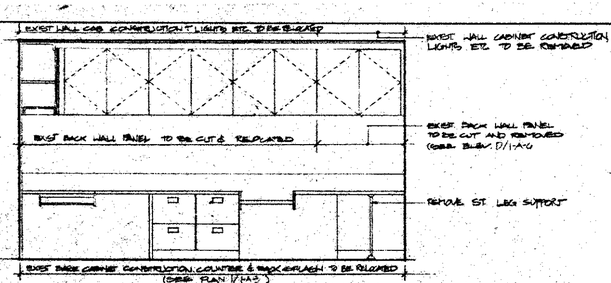
SONSENIORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8000

project 1930
scale AS NOTED
date 2/21/84

dwg no
1-A-5



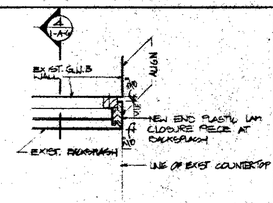
A EXISTING ELEVATION
SCALE: 1/2"=1'-0"



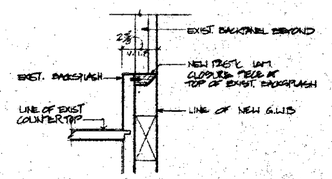
B EXISTING ELEVATION
SCALE: 1/2"=1'-0"

CABINET NOTES:

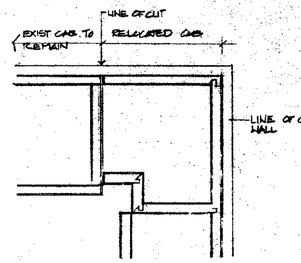
1. ALL MISC. CAB. WORK IN ROOMING RM. SCHEDULED TO BE RELOCATED SHALL BE HOUSEKEPT W/ EXISTING CARE & STORED "BUT" FAMILY AS DIRECTED BY A.E.C., UNO. ALL CAB. TO BE REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS DIRECTED BY C.E.C. CAB. WORK SHALL BE REASSEMBLED & FITTED INTO ITS NEW LOCATION TO MATCH THE NON-REMOVED EXIST. INTERFACE UNLESS OTHERWISE NOTED. NEW TOPS, END PANELS & MISC. CAB. WORK SHALL BE DONE AT MILLWORK SHOP UNLESS OTHERWISE NOTED.
2. ALL NEW PLAM. LAM. SHALL MATCH EXIST'G. ADJACENT PLAM. LAM.



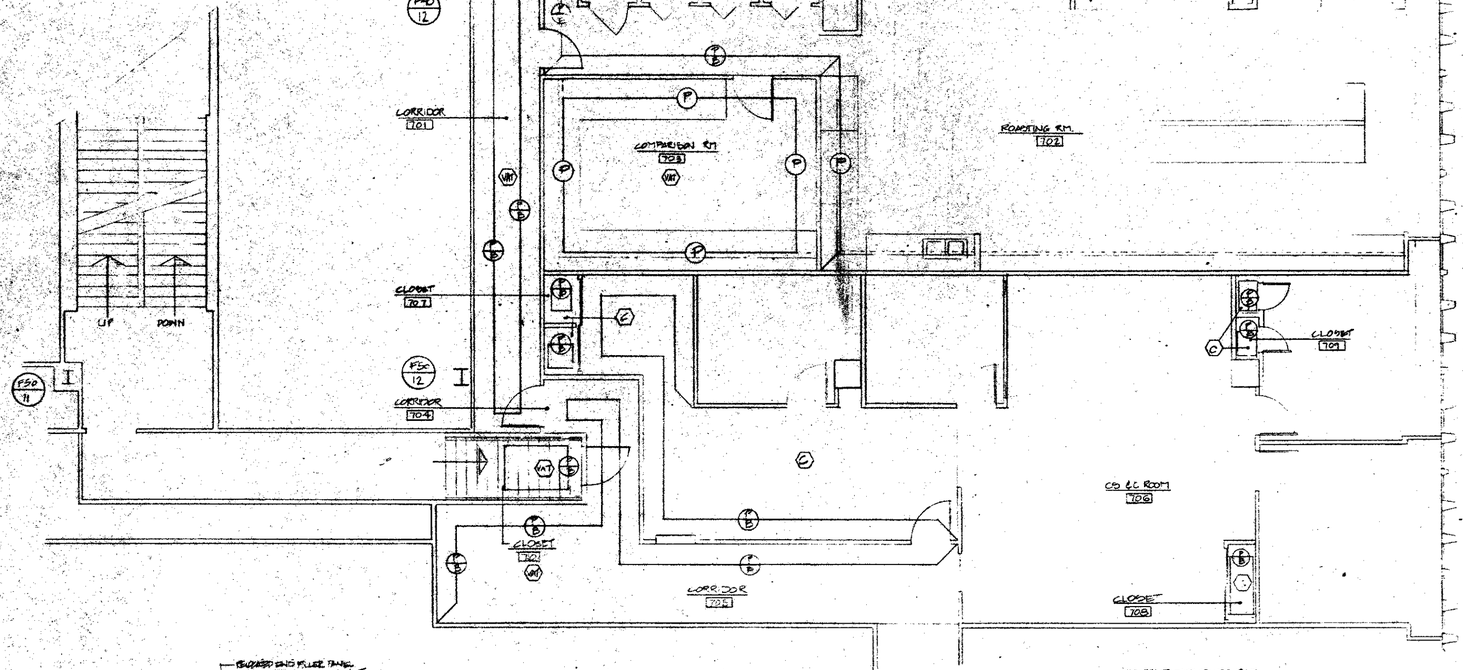
6 SECTION @ BACKSPLASH END
SCALE 3"=1'-0"



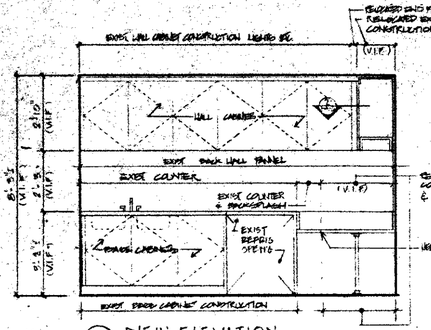
5 SECTION @ BACKSPLASH
SCALE 3"=1'-0"



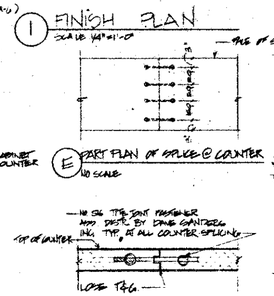
2 SECTION @ CABINET WORK



1 FINISH PLAN
SCALE: 1/4"=1'-0"

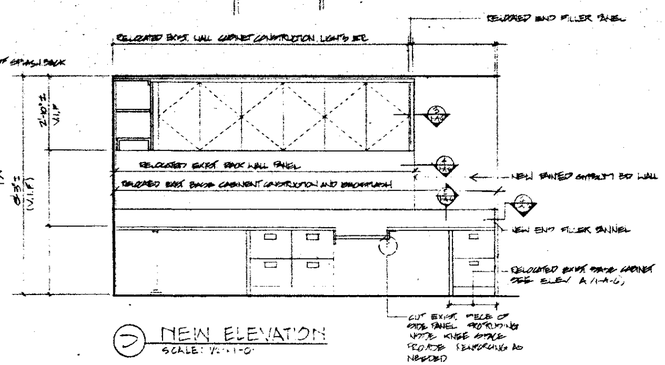


C NEW ELEVATION
SCALE: 1/2"=1'-0"

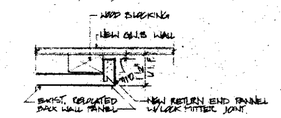


E PART PLAN OF SPLICE @ COUNTER
NO SCALE

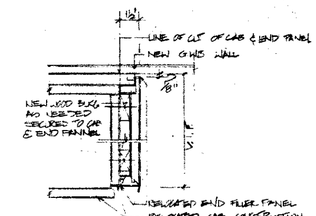
F VERT. SECTION @ SPLICE
NO SCALE



D NEW ELEVATION
SCALE: 1/2"=1'-0"



4 SECTION - BACK PANEL
NO SCALE



3 SECTION DETAIL END PANEL
NO SCALE

dwn	REVISIONS	dt
2/1/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
1/16/84	SUBMITTED TO P.A. FOR REVIEW	

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NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 AREA H

7TH FLOOR

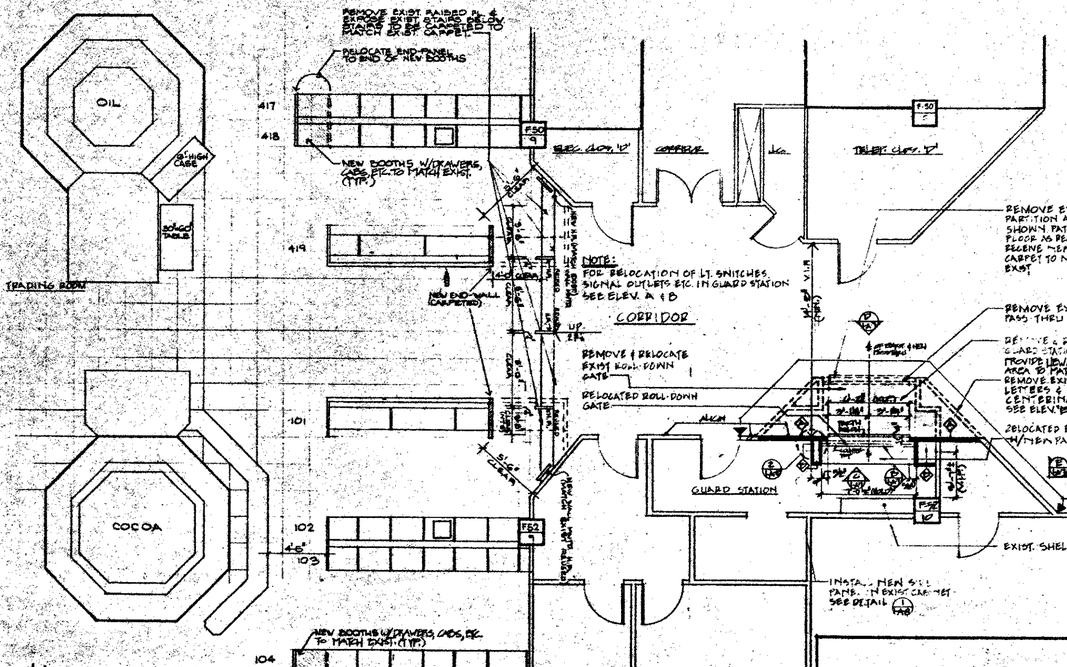
FINISH PLAN
CABINET ELEVATIONS
DETAILS

SONSONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8300

project 1930
scale AS NOTED
date 2/21/84

dwg no
1-A-6

date	REVISIONS	no.
2/21/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
9/7/84	REVISED TO COMPLY WITH ARB '84 REVIEW COMMENTS AND P.A. COMMENTS	1
10/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW AND GENERAL REVISIONS	2
1/9/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS	3

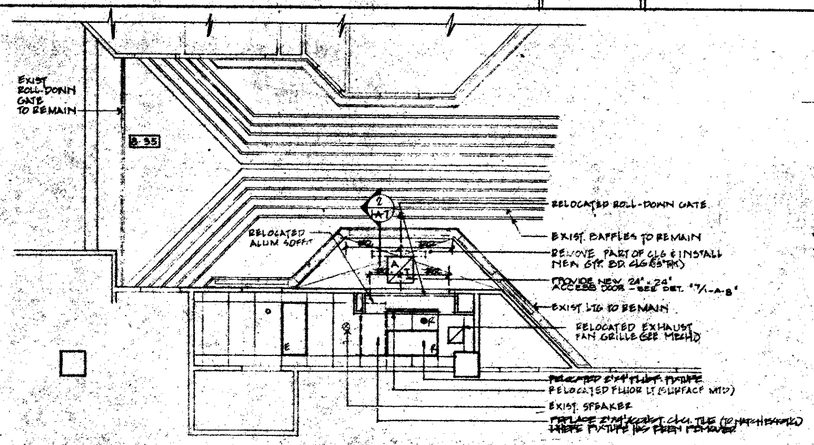


1 CABINETRY & DEMOLITION PLAN
SCALE 1/4"=1'-0"

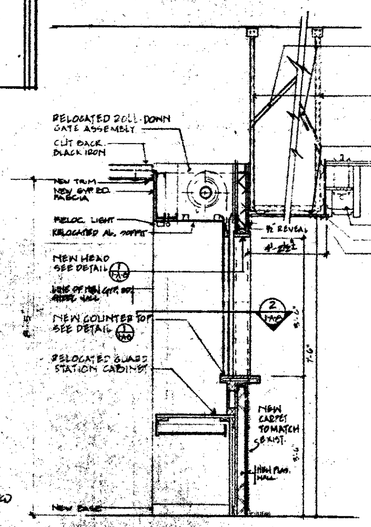
A ELEVATION
SCALE 1/2"=1'-0"

4 DETAIL
METHOD TO SECURE BOOTH RON 419

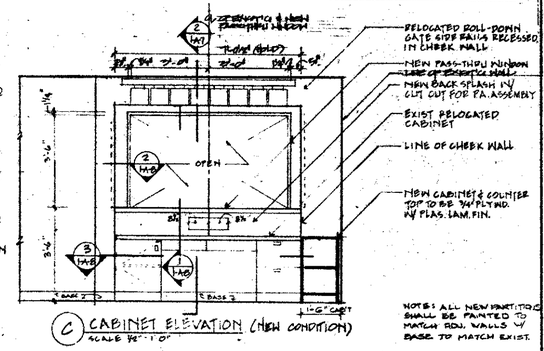
B ELEVATION (NEW CONDITION)
SCALE 3/4"=1'-0"



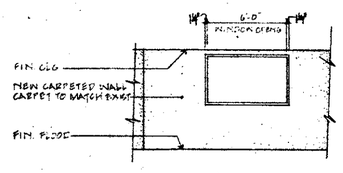
2 REFLECTED CEILING PLAN
SCALE 1/4"=1'-0"



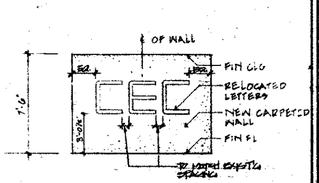
3 DETAIL
SCALE 3/4"=1'-0"



C CABINET ELEVATION (NEW CONDITION)
SCALE 3/4"=1'-0"



D ELEVATION
SCALE 3/4"=1'-0"



E ELEVATION
SCALE 3/4"=1'-0"

SOMMONDRE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-8800

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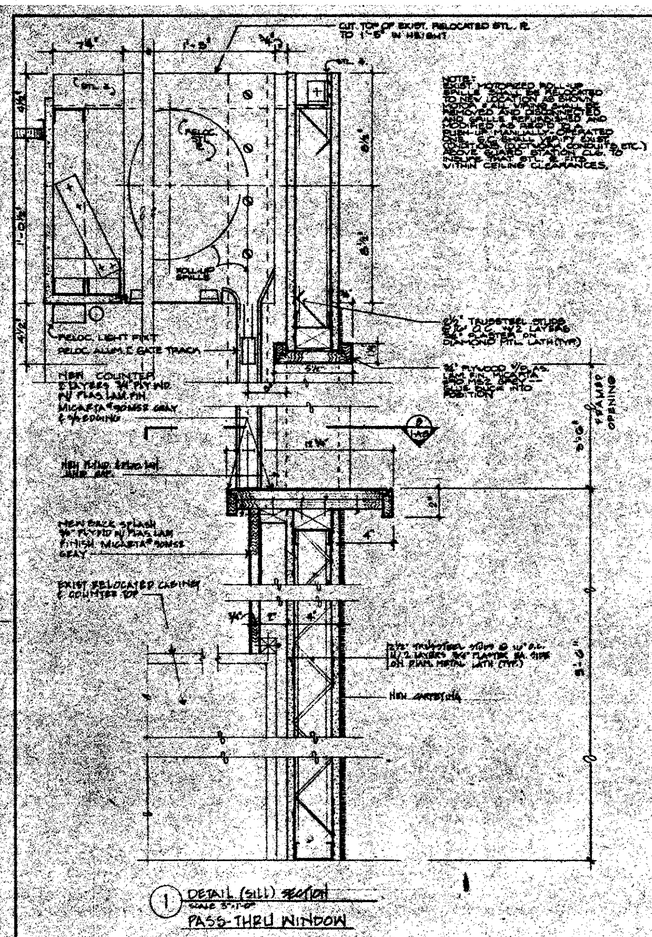
EGRESS UPGRADE
PHASE 1
AREA A & B

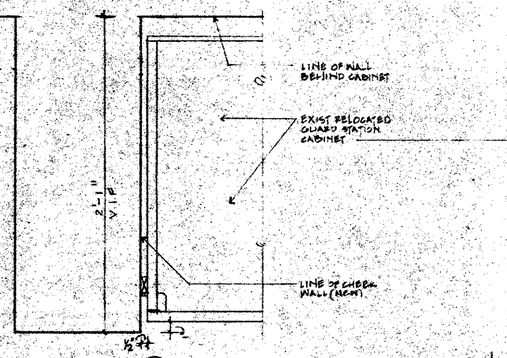
dwg. title:
6TH FLOOR
CONSTRUCTION / DEMOLITION PLANS
REFLECTED CEILING PLAN
ELEVATIONS

project 1930:
scale AS NOTED
date 2/21/84

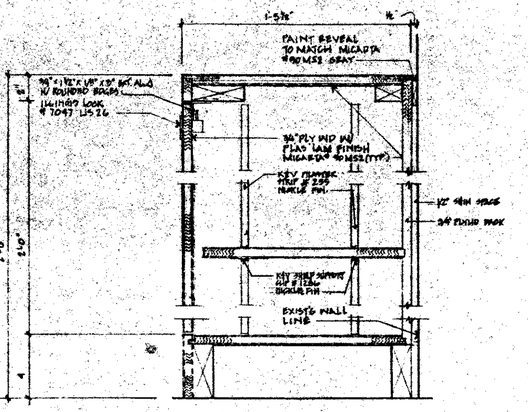
dwg. no.
1-A-7



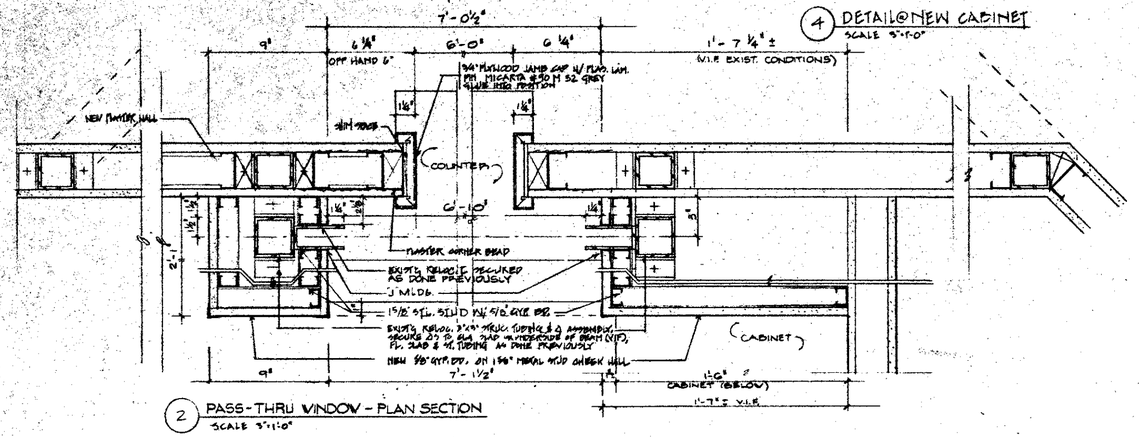
1 DETAIL (SILL) SECTION
SCALE 3"=1'-0"
PASS-THRU WINDOW



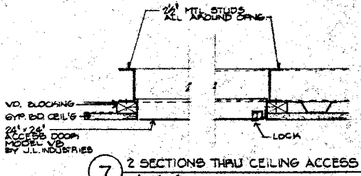
3 RELOCATED CABINET-PLAN SECTION
SCALE 3"=1'-0"



4 DETAIL@NEW CABINET
SCALE 3"=1'-0"

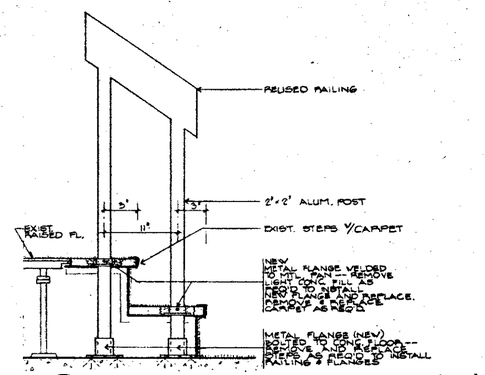


2 PASS-THRU WINDOW - PLAN SECTION
SCALE 3"=1'-0"



7 2 SECTIONS THRU CEILING ACCESS DR.
3"=1'-0"

5 PLAN-SECTION @ NEW CABINET
SCALE: 3"=1'-0"



6 RAILING RE-USE DETAIL (FOR PLAN, SEE DWG. "1/1-A7")
N.T.S.

date	REVISIONS	no.
2/11/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
4/08/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW AND GENERAL REVISIONS	1
1/16/04	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/PA COMMENTS	2

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EGRESS UPGRADE
PHASE 1 AREA B

dwg. title:
8TH FLOOR
CABINET DETAILS

SIGNORELLI BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 594-8900

project 9930
scale AS INDICATED
date 2.2.04

dwg no.
1-A-8

date	REVISIONS	
12/21/04	SUBMITTED TO DOT AUTHORITY FOR REVIEW	
4/7/04	REVISED TO COMPLY WITH P.A. COMMENTS	2
6/9/04	SUBMITTED TO DOT AUTHORITY FOR REVIEW & GENERAL REVISIONS	2
11/10/04	SUBMITTED TO P.A. FOR REVIEW	

1 PART CONSTRUCTION / DEMOLITION PLAN (8TH FLOOR) NOTE: FOR ADDITIONAL NOTES (CONST. & DEMO) SEE 2, 3, 4/1-A-9

2 PART REFLECTED CEILING PLAN (8TH FLOOR)

3 PART OCCUPANCY PLAN (8TH FLOOR)

4 PART FINISH PLAN (8TH FLOOR)

5 PART CONSTRUCTION/DEMOLITION PLAN (8TH FL.)

6 PART REFLECTED CEIL. PLAN (8TH FLOOR)

7 PART CONSTRUCTION / DEMO / FIN. PLAN (7TH FLOOR)

NOTE #1: REMOVE EXISTING VINYL BASE, CEILING, PLASTIC ETC. FROM EXISTING 1-HR. RATED CORRIDOR OR ENCLOSURE TEMPORARY PARTITION (V.I.F.) WITH DESIGNATION ( ) UPGRADE TO 2-HR. BY PROVIDING EXPOSED SIDE W/ LAYER OF GYP. BD. (FURRING "C") OR EACH SIDE FOR FULL HT. OF PARTITION. PROVIDE NEW VINYL BASE TO MATCH EXISTING (SEE DET'S 5, 6, 7, 8 & 9/A-22). ALL EXISTING WALL MOUNTED SWITCHES, OUTLETS, WALL FIXTURES, ETC. AFFECTED BY CONSTRUCTION SHALL BE RELOCATED TO NEW WALL FLUSH AS REQ'D TO MATCH ADJACENT EXISTING CONDITION. CONTRACTOR SHALL SURVEY ALL SUCH CONDITIONS BEFORE SUBMITTING BIDS (TYP.).

8 PART REFLECTED CEILING PLAN (7TH FLOOR)

NOTE: FOR CLG. WORK THIS AREA, SEE NOTE #2 DWG #A-9.

9 PART CONSTRUCTION / DEMOLITION / FINISH PLAN (7TH FLOOR)

NOTE #2: REMOVE EXISTING CEILING SUSPENSION SYSTEM AND LIGHTS AS REQ'D TO ALLOW FOR NEW 2-HR. CONSTRUCTION AND UPGRADING OF EXISTING PARTITIONS. PROVIDE NEW CEILING AND SUSP. SYSTEM TO MATCH EXISTING FOR FIXTURES REMOVED. SIDEWALL LIGHTS MARKED "R" (RELOCATED) OR FLUSH (TYP.) TO LOCATIONS SHOWN. FOR MECH., ELEC., SPRINKLER, & PLUMBING WORK AND RELOCATIONS, SEE RESPECTIVE DRAWINGS.

NOTE #3: THE ATTACHMENT OF ADDITIONAL GYPSUM WALLBOARD PANELS TO EXISTING WALLS REQUIRING INCREASED FIRE RESISTANCE RATING SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION METHODS OF SIMILAR RCA APPROVED WALLS, AND/OR IN ACCORDANCE WITH ESTABLISHED P.A. STANDARDS.

10 PART REFLECTED CEILING PLAN (7TH FLOOR)

NOTE: FOR CLG. WORK THIS AREA, SEE NOTE #2, DWG. #A-9.

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EGRESS UPGRADE
PHASE 1 AREA F&J

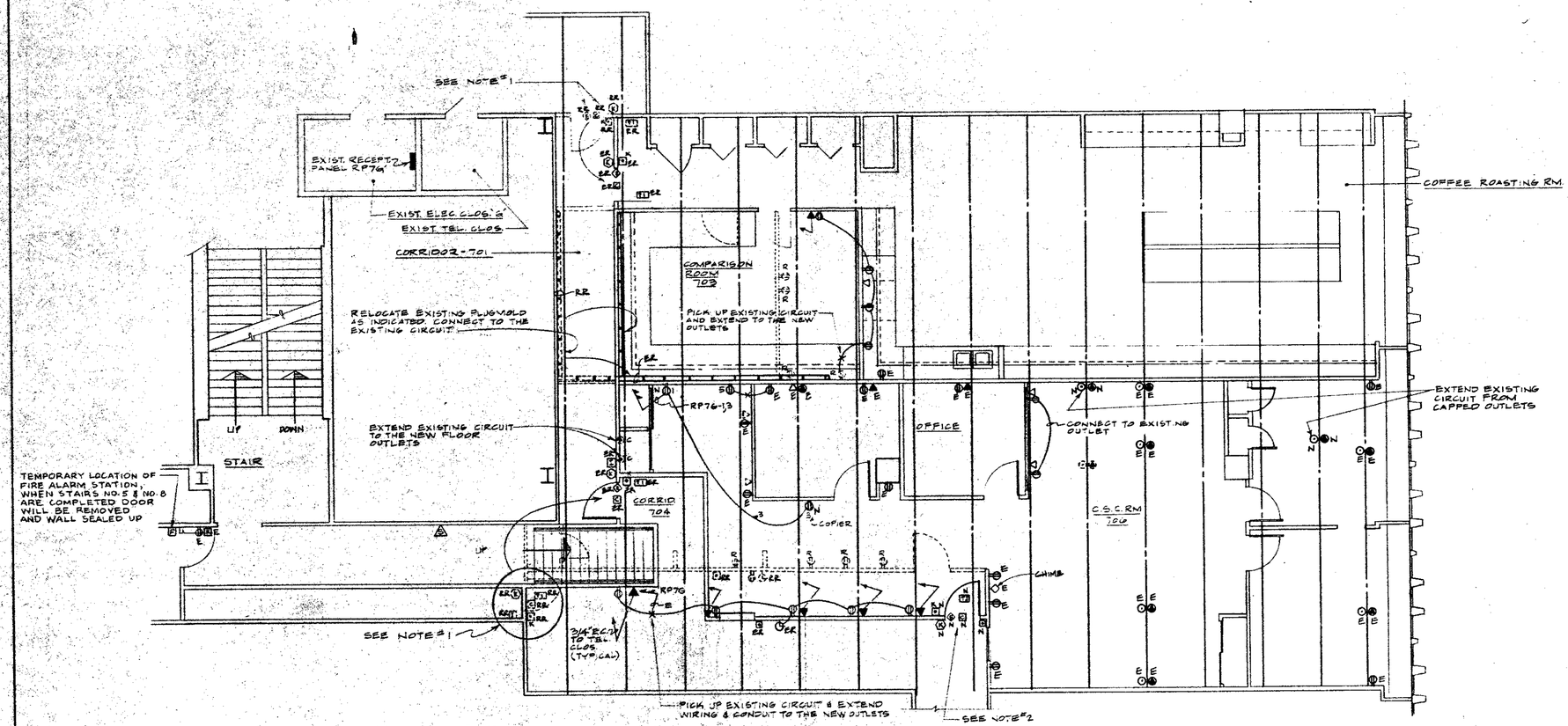
dwg title:
7TH & 8TH FLOORS
PART PLANS

SCHNEIDER GRISANTI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 255-8000

project 1999
scale AS NOTED
date 2/21/04

dwg no. 1-A-9

date	REVISIONS	no.
2-21-84	SUBMITTED TO P.A. FOR REVIEW	
4-7-84	REVISED AS PER P.A. COMMENTS	1
10-84	SUBMITTED TO P.A. FOR REVIEW	
11-6-84	SUBMITTED TO P.A. 502 REVIEW.	



NOTES:

1. WHERE EXISTING CARD KEY SYSTEM, INTERCOM SYSTEM, PUSH BUTTONS, DOOR CONTACTS BEING RELOCATED, CONTRACTOR TO EXTEND WIRING & CONDUIT AS REQUIRED
2. NEW CARD KEY SYSTEM SHALL MATCH EXISTING DEVICES MAKE ALL NECESSARY CONNECTIONS TO WIRING BETWEEN PUSH BUTTON RELEASE, CARD KEY & TERMINAL INTERFACE DOOR CONTACTS AND 8TH FLOOR GUARD STATION AS REQUIRED.
3. THE NUMBER OF GENERAL PURPOSE OUTLETS SHALL NOT EXCEED 8 (EIGHT) ON EACH BRANCH CIRCUIT.

MSJ | MEYER STRONG & JONES, P.C. MECHANICAL & ELECTRICAL ENGINEERS 270 PARK AVE NEW YORK N.Y. 10017

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS 270 SEVENTH AVENUE NEW YORK NEW YORK 10001 (212) 989 8900

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NEW YORK, NEW YORK 10048

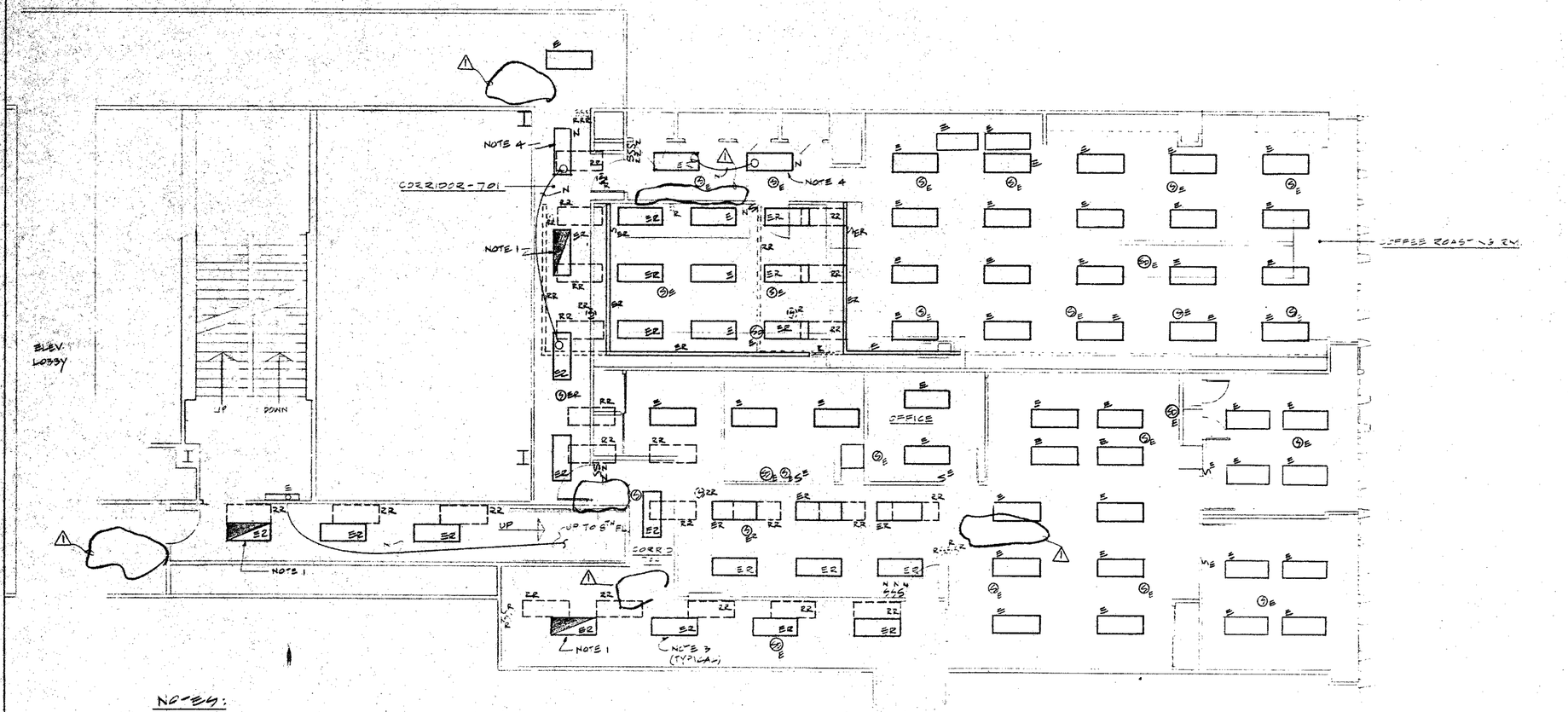
EGRESS UPGRADE
PHASE 1
AREA H

7TH FLOOR
POWER PLAN

project 1930
scale 1/4"=1'-0"
date 2-21-84

dwg E-1

date	REVISIONS	no.
2-21-84	SUBMITTED TO P.A. FOR REVIEW	
9-7-84	REVISED AS PER P.A. COMMENTS	1
10-5-84	SUBMITTED TO P.A. FOR REVIEW	
11-16-84	GENERAL REVISION SUBMITTED TO P.A. FOR REVIEW.	2



NOTES:

1. CONNECT TO EXISTING EMERGENCY LIGHT CIRCUIT.
2. EZR SYMBOL UNIT SEE DWG. E-3.
3. CONNECT RELOCATED LIGHTING FIXTURE TO NEW SWITCHES AND EXISTING CIRCUITS.
4. ALL NEW 2x4 LIGHTING FIXTURES TO MATCH EXISTING. CONNECT NEW LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUIT AS SHOWN.

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EGRESS UPGRADE
PHASE 1
AREA H

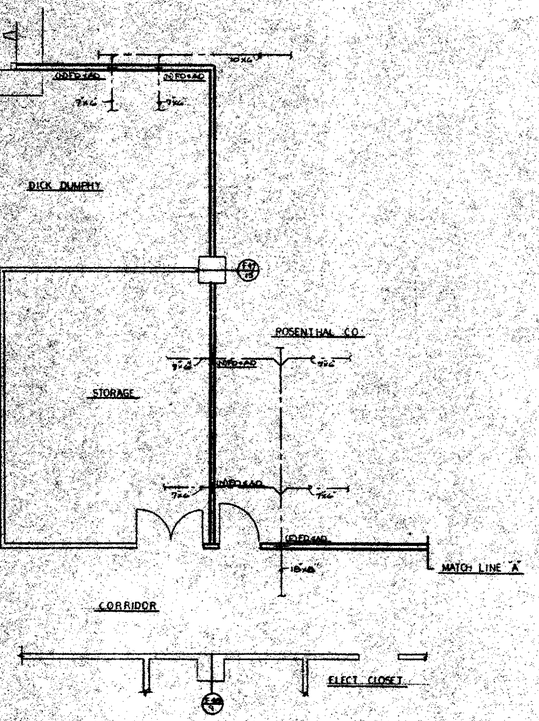
7TH FLOOR LIGHTING PLAN

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10017

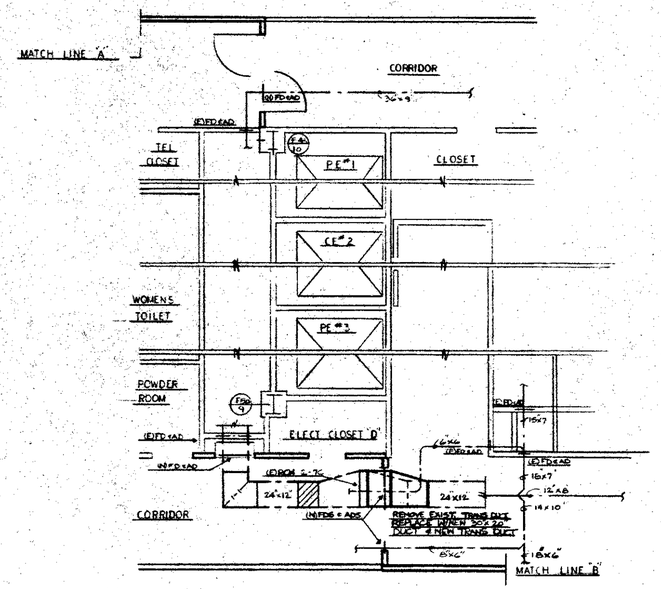
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS

project 1930
scale 1-4=1-0"
date 2-21-84

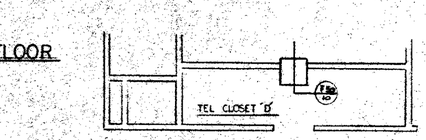
dwg no 1-E-2

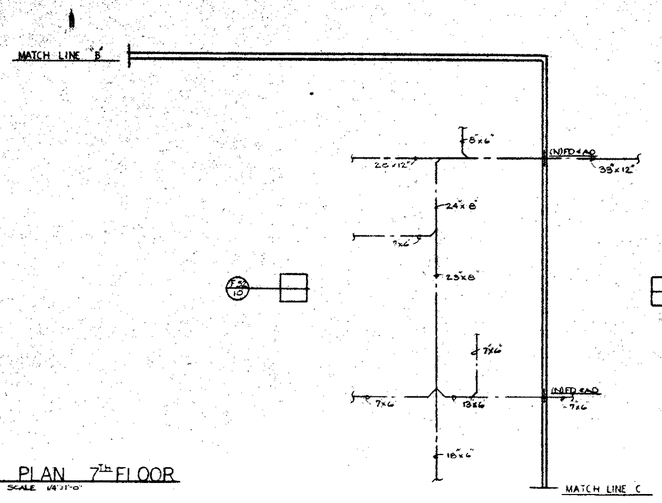


1 PART PLAN 7TH FLOOR
SCALE 1/8"=1'-0"



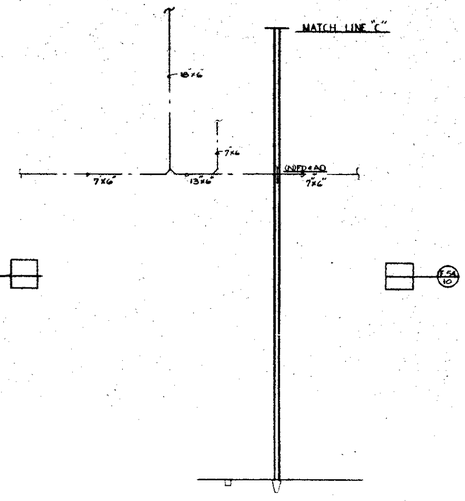
2 PART PLAN 7TH FLOOR





3 PART PLAN 7TH FLOOR
SCALE 1/4"=1'-0"

NOTE
HVAC CONTRACTOR SHALL SURVEY THIS AREA AND INCLUDE EXACT AMOUNT OF FIRE DAMPERS TO BE INSTALLED HE SHALL THEN SUBMIT HIS BID FOR THIS WORK



date	REVISIONS	no.
10-8-84	SUBMITTED TO PA FOR REVIEW	
11-6-84	SUBMITTED TO PA FOR REVIEW	

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FOUR WORLD TRADE CENTER
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EGRESS UPGRADE
PHASE 1 AREA F

dwg. title:
2 HOUR FIRE SEPARATION
7TH FLOOR PART PLANS

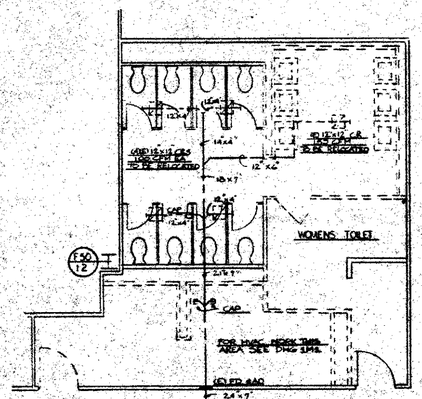
MSJ MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6800

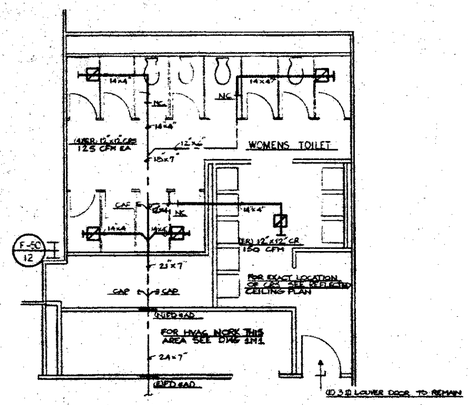
project 1930
scale AS NOTED
date 7/7/84

dwg no.
1M4

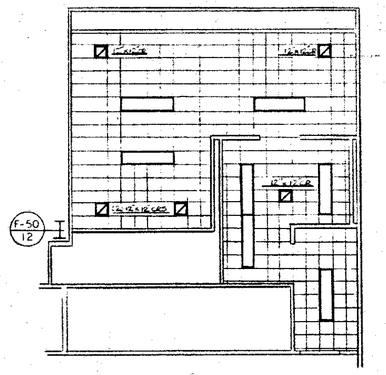
date	REVISIONS	no.
10-8-84	SUBMITTED TO PA FOR REVIEW	
11-4-84	SUBMITTED TO PA FOR REVIEW	



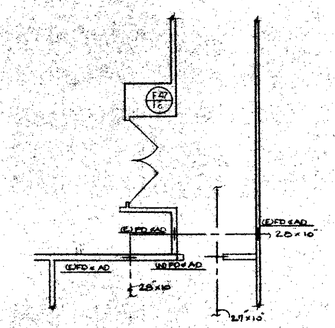
1 DEMOLITION PLAN AREA - C
SCALE 1/8" = 1'-0"



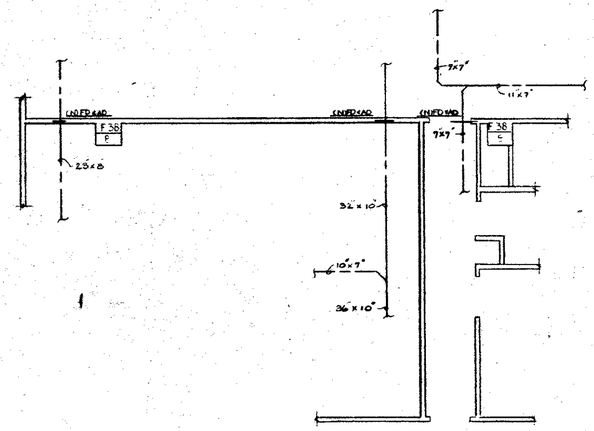
2 CONSTRUCTION PLAN AREA-C
SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN AREA - C
SCALE: 1/4" = 1'-0"



1 8TH FLOOR PART PLAN AREA-E
SCALE 1/4" = 1'-0"



2 8TH FLOOR PART PLAN AREA - E

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EGRESS UPGRADE
PHASE 1
AREA C

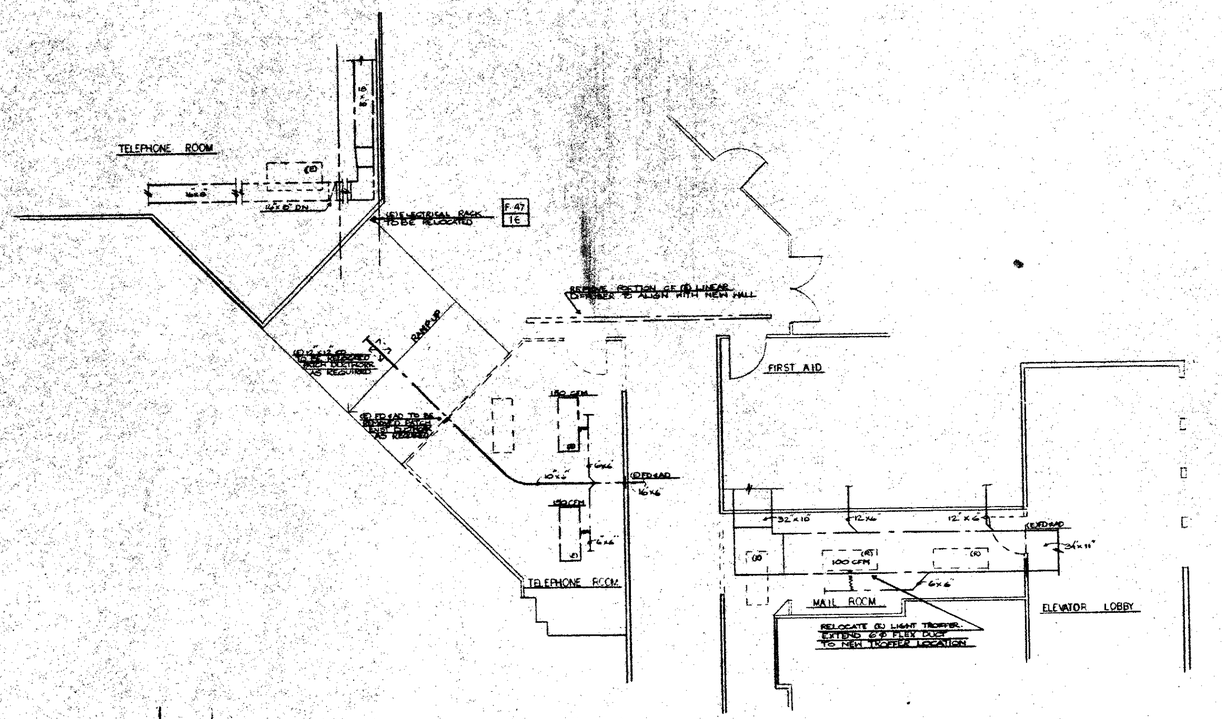
8TH FLOOR DUCTWORK
PART PLANS

MSJ MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

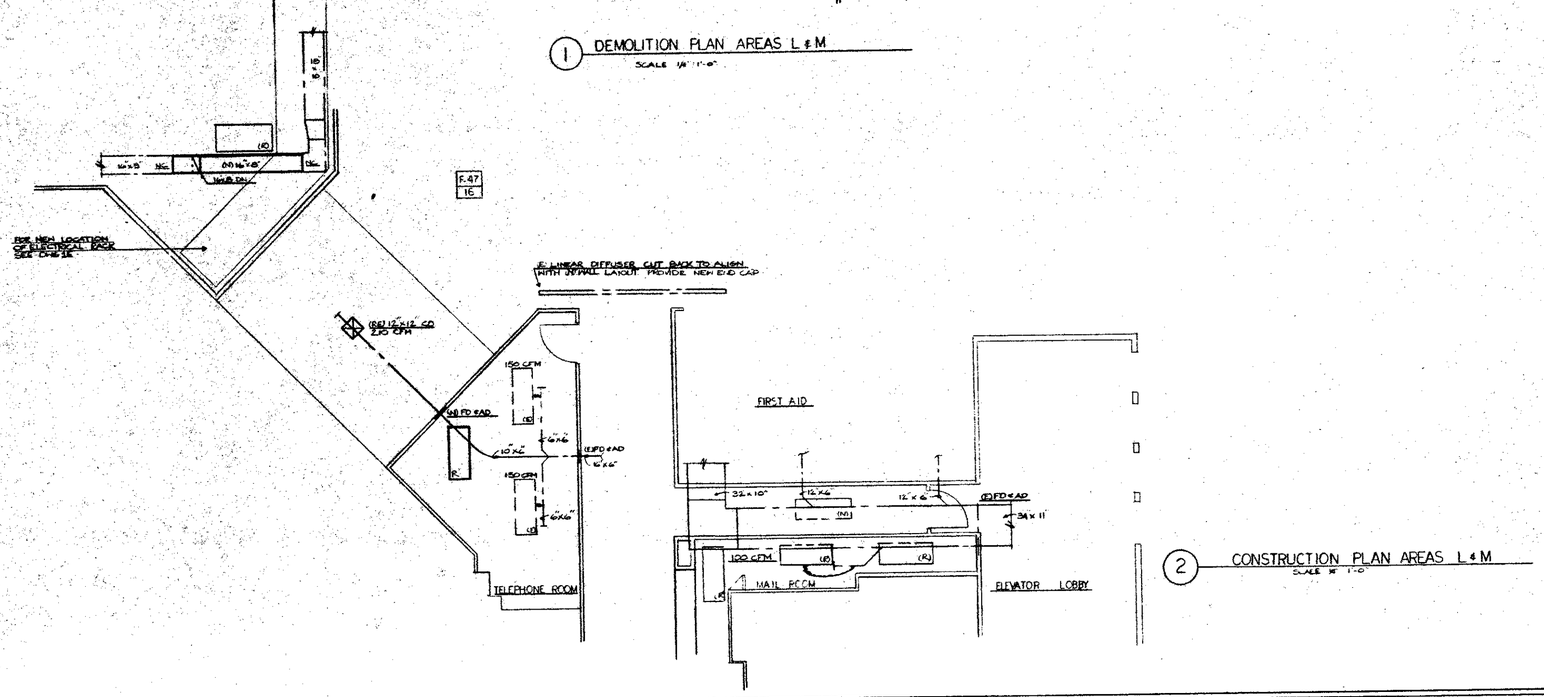
SONSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900

project 1930
scale 1/4" = 1'-0"
date 12/6/84

dwg no.
1M 5



1 DEMOLITION PLAN AREAS L & M
SCALE 1/8" 1'-0"



2 CONSTRUCTION PLAN AREAS L & M
SCALE 1/8" 1'-0"

date	REVISIONS
10-8-34	SUBMITTED TO BA FOR REVIEW
11-6-34	SUBMITTED TO BA FOR REVIEW

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 AREAS
L & M

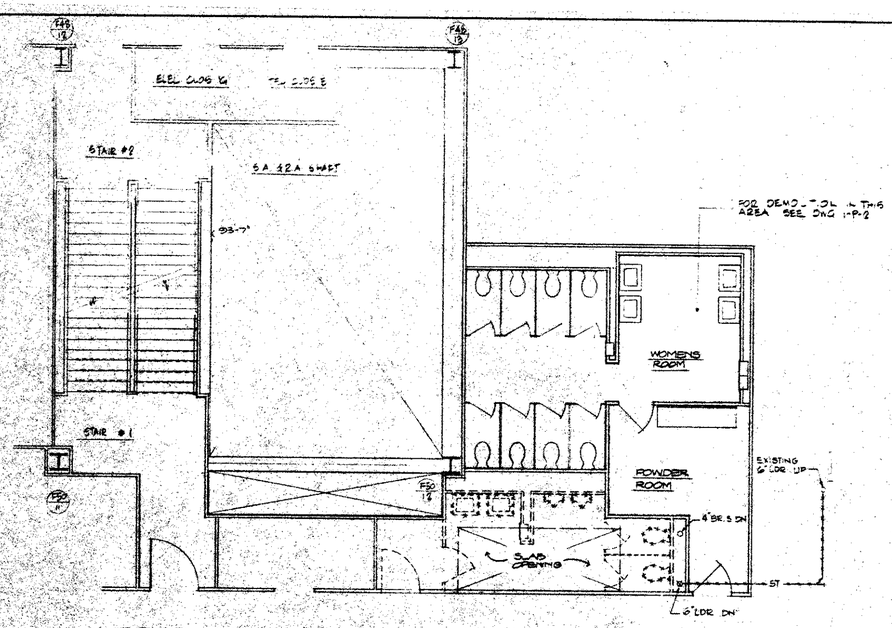
dwg. title:
8TH FLOOR DUCTWORK
PART PLANS

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK NY 10169

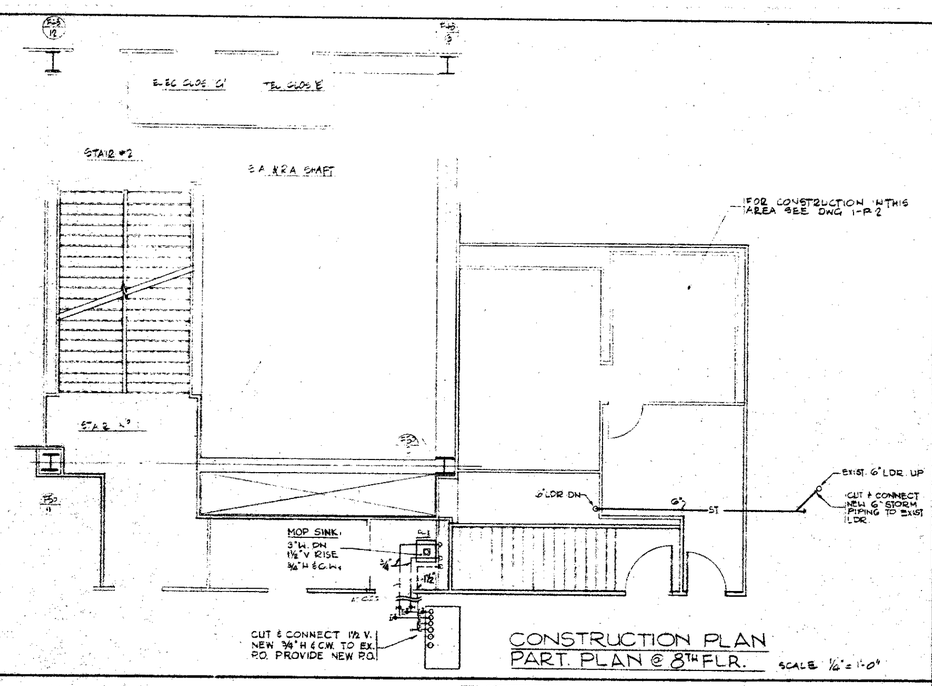
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-9200

project 1930
scale AS NOTED
date 6/5/34

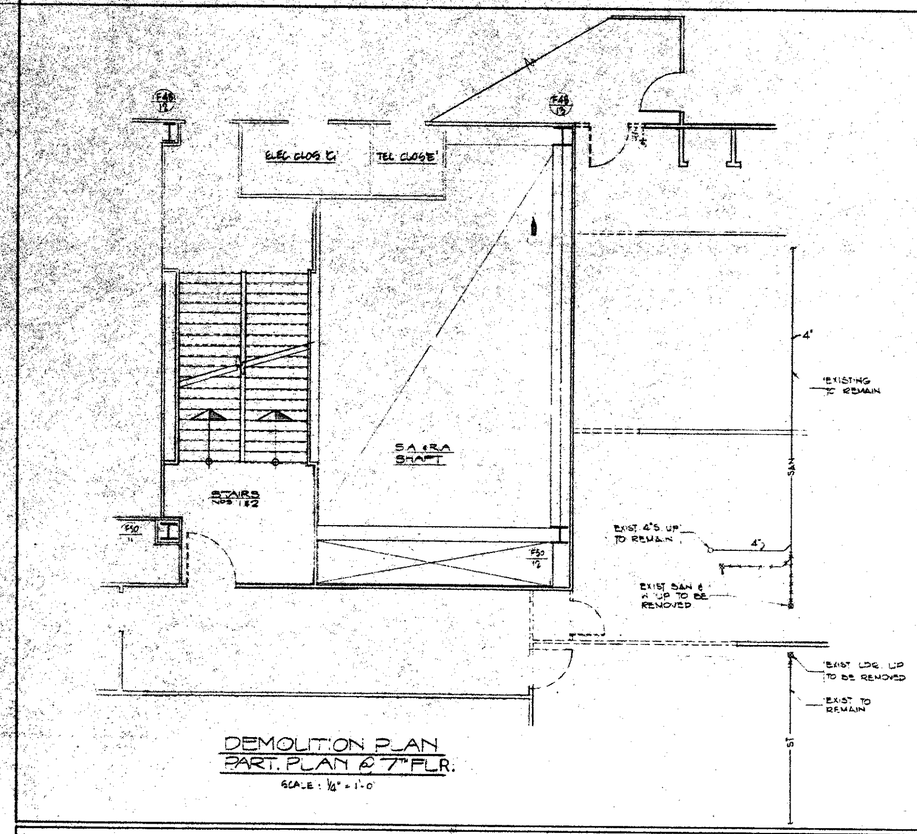
dwg no
1 M 6



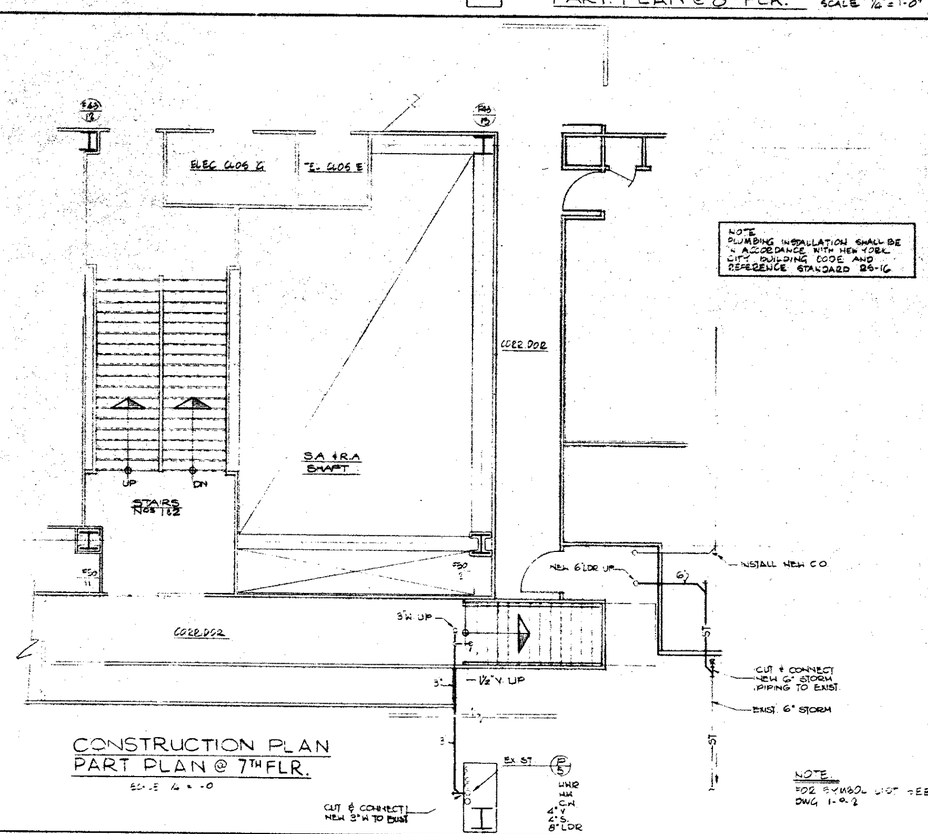
DEMOLITION PLAN
PART. PLAN @ 8TH FLR. SCALE 1/8" = 1'-0"



CONSTRUCTION PLAN
PART. PLAN @ 8TH FLR. SCALE 1/8" = 1'-0"



DEMOLITION PLAN
PART. PLAN @ 7TH FLR.
SCALE: 1/8" = 1'-0"



CONSTRUCTION PLAN
PART PLAN @ 7TH FLR.
SCALE 1/8" = 1'-0"

date	REVISIONS	no.
7/24/84	SUBMITTED TO P.A. FOR REVIEW	
9-3-84	SUBMITTED TO P.A. FOR REVIEW	
11-6-84	SUBMITTED TO P.A. FOR DEMER	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1
AREAS C & H

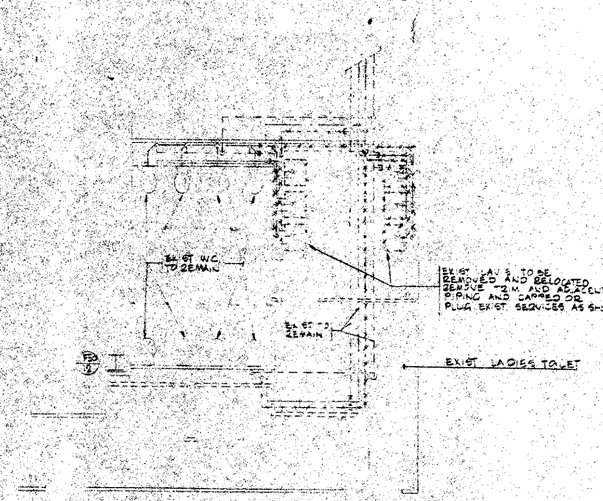
dwg. title
PART PLANS
7-TH & 8-TH FLOOR
PLUMBING

MS&J MEYER STRONG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS
200 PARK AVE NEW YORK, N.Y. 10166

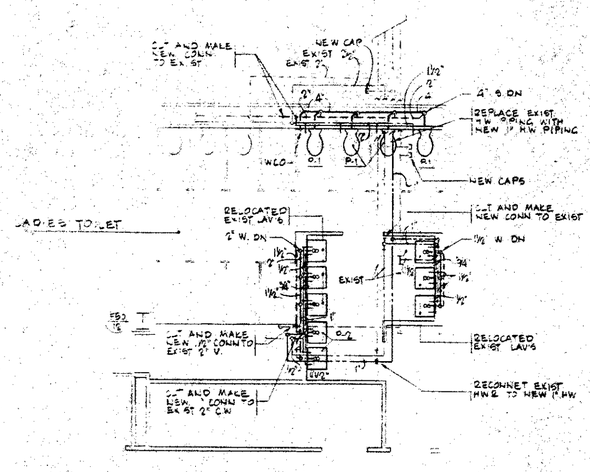
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8900

project 1930
scale 1/8" = 1'-0"
date 2/21/85
dwg. no. 1-P-1

date	REVISIONS	no.
9-5-84	SUBMITTED TO P.A FOR REVIEW	
11-6-84	SUBMITTED TO P.A FOR REVIEW	



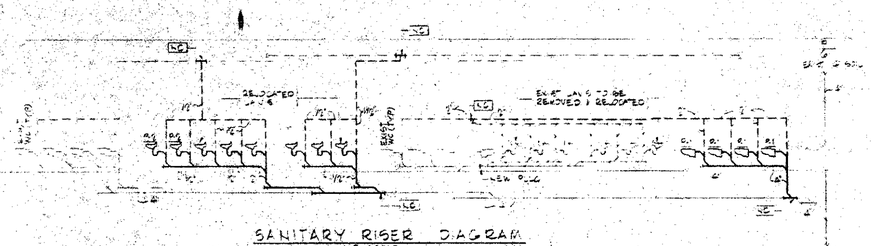
DEMOLITION PLAN
PART PLAN @ 8TH FLR
SCALE 1/4" = 1'-0"



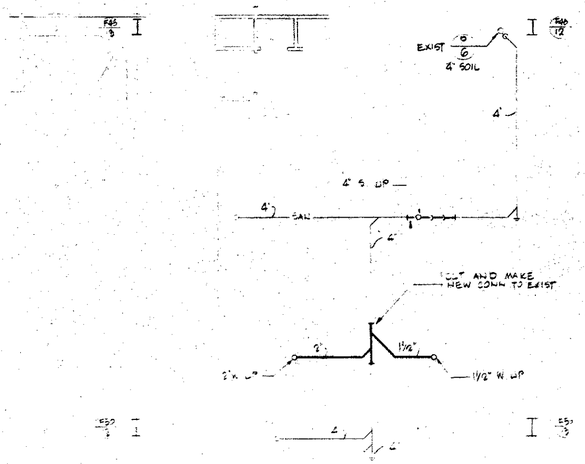
CONSTRUCTION PLAN
PART PLAN @ 8TH FLR
SCALE 1/4" = 1'-0"

SYMBOL LIST

ST	ST	STORM WATER PIPING
SAN	SOIL	SOIL OR WASTE PIPING
V	V	VENT PIPING
CW	CW	COLD WATER PIPING
HW	HW	HOT WATER PIPING
HWR	HWR	HOT WATER RETURN PIPING
	EX. ST	EXIST. PIPING
		EXIST PIPING TO BE REMOVED
		GATE VALVE
		CAP
		PLUG OR CLEANOUT
NC	NC	NEW CONNECTION



SANITARY RISER DIAGRAM
NO SCALE



PART PLAN @ 7TH FLR
SCALE 1/4" = 1'-0"

NOTE
PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE AND REFERENCE STANDARD RS-16

MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

BONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6400

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

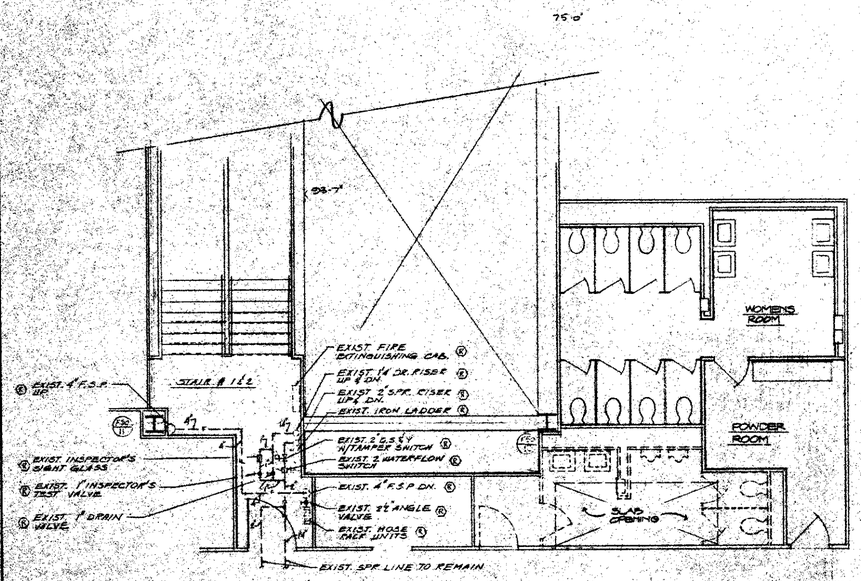
EGRESS UPGRADE
PHASE 1
AREA C

dwg title:
7TH AND 8TH FLOOR
PART PLANS
PLUMBING

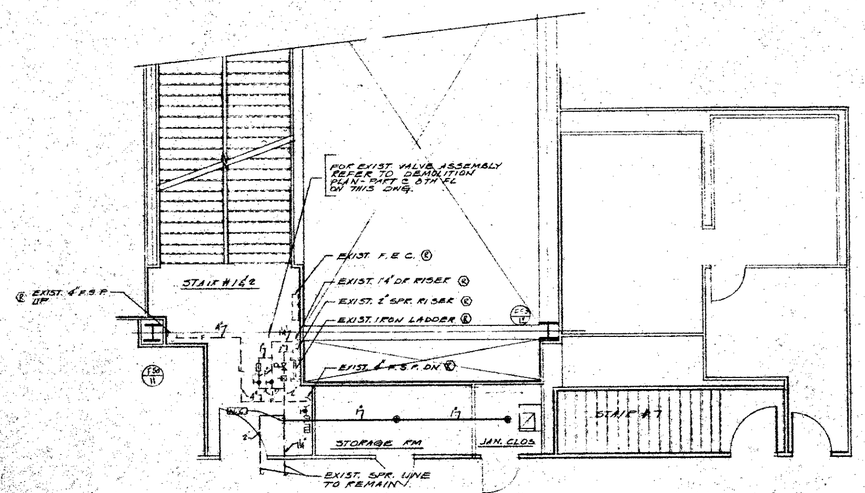
project 330
scale AS NOTED
date 10/8/84

dwg no.
1-P-2

date	REVISIONS	no.
4/21/84	SUBMITTED TO P.A. FOR REVIEW	
10/26/84	SUBMITTED TO PA FOR REVIEW	
11/14/84	SUBMITTED TO P.A. FOR REVIEW	

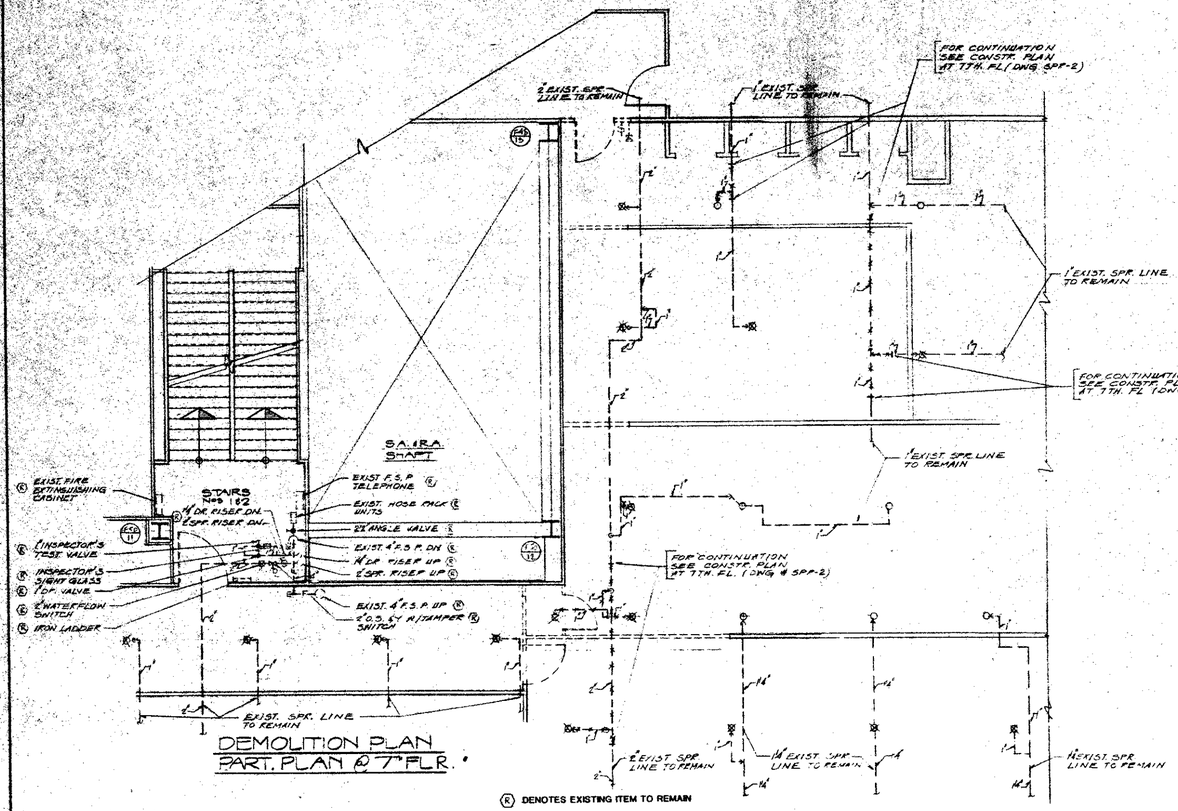


DEMOLITION PLAN
PART. PLAN @ 8TH FLR.



CONSTRUCTION PLAN
PART. PLAN @ 8TH FLR.

Ⓔ DENOTES EXISTING ITEM TO REMAIN



DEMOLITION PLAN
PART. PLAN @ 7TH FLR.

Ⓡ DENOTES EXISTING ITEM TO REMAIN

SPRINKLER LEGEND

- EXISTING FIRE STANDPIPE TO REMAIN
- EXISTING SPR. LINE TO REMAIN
- EXISTING SPR. LINE TO BE REMOVED
- NEW SPR. LINE
- CAP EXISTING SPR. LINE
- CONNECT NEW SPR. PIPE TO EXISTING
- EXIST. SPR. HEAD TO REMAIN
- EXIST. SPR. HEAD TO BE REMOVED
- NEW SPR. HEAD TO MATCH EXISTING
- RELOCATED EXISTING SPR. HEAD
- NEW STAND. UPRIGHT SPR. HEAD "RELIABLE" MODEL G
- Ⓡ EXISTING ITEM TO REMAIN

NOTE
FOR EXACT LOCATION OF THE AREAS INDICATED ON THE DWG. SEE ARCH. PLAN L-2 (7 TH. FL. KEY PLAN) & L-1'8 TH. FL. KEY PLAN)

M.S.&J. MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

GONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

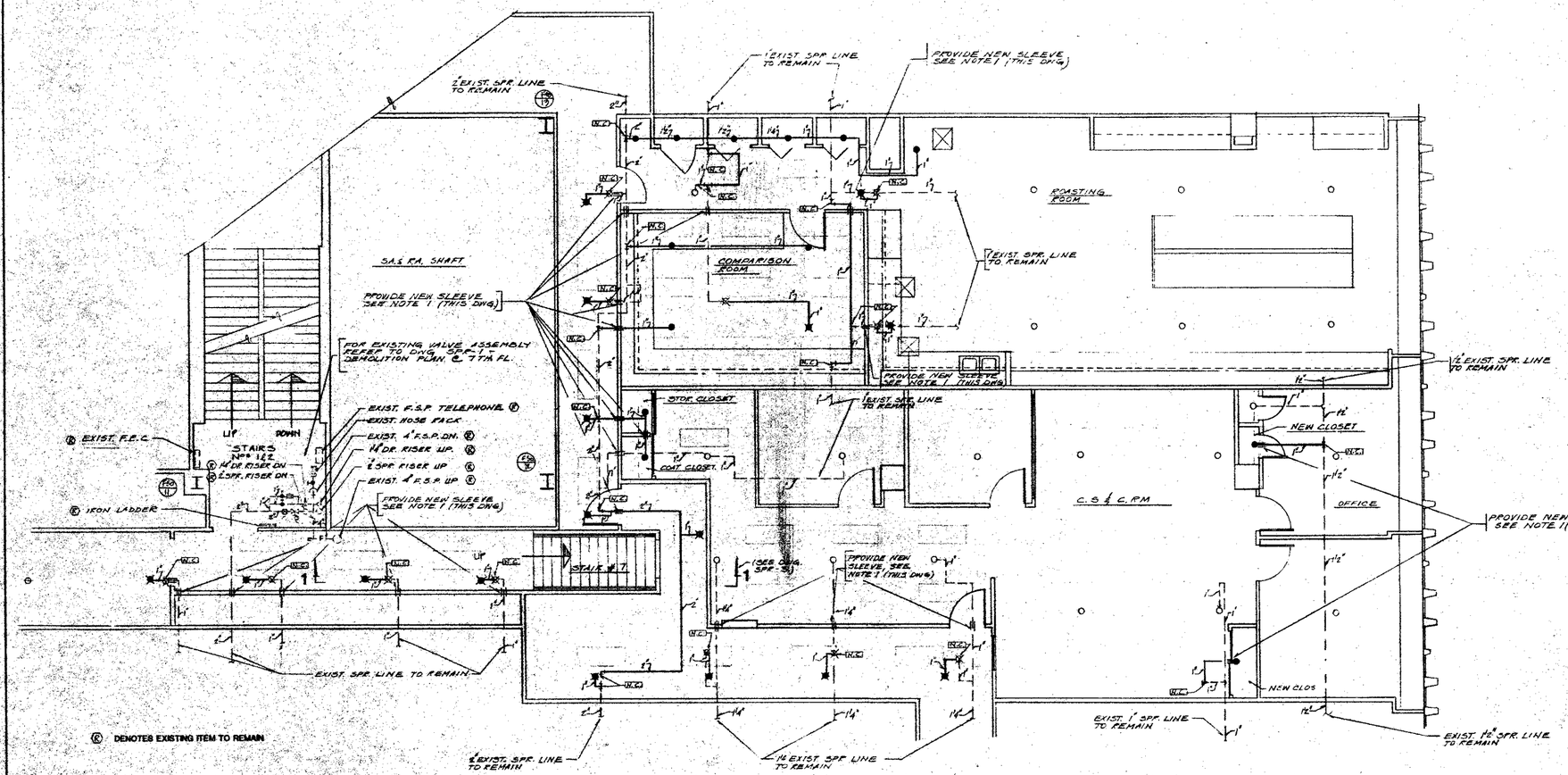
EGRESS UPGRADE
PHASE 1
STAIR no.7
AREA C & H

dwg. title:
PART PLANS
7-TH AND 8-TH FLR
SPRINKLER

project 1930
scale 1/4"-1'-0"
date 2-21-84

dwg no.
1-SPR-1

date	REVISIONS	no.
4/11/84	SUBMITTED TO P.A. FOR REVIEW.	
10/9/84	SUBMITTED TO P.A. FOR REVIEW	
11/14/84	SUBMITTED TO P.A FOR REVIEW	



(E) DENOTES EXISTING ITEM TO REMAIN

CONSTRUCTION PLAN
PART PLAN AT 7-TH FLOOR

NOTE 1

PROVIDE NEW SLEEVES FOR EXISTING AND NEW SPR PIPES PENETRATING 2-HR RATED UPGRADING OR NEW PARTITIONS. CONTRACTOR TO SURVEY ALL SUCH CONDITIONS BEFORE SUBMITTING BIDS (TYPICAL FOR ALL UPGRADING OR NEW PARTITIONS)

NOTES :

1. FOR SPRINKLER LEGEND REFER TO DWG 1-SPR-1 (PHASE 1)
2. FOR EXACT LOCATION OF THE AREAS INDICATED ON THE DWG. SEE ARCH. PLAN L-2 (7 TH. FL. KEY PLAN) & L-1 (8 TH. FL. KEY PLAN)

MSJ MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

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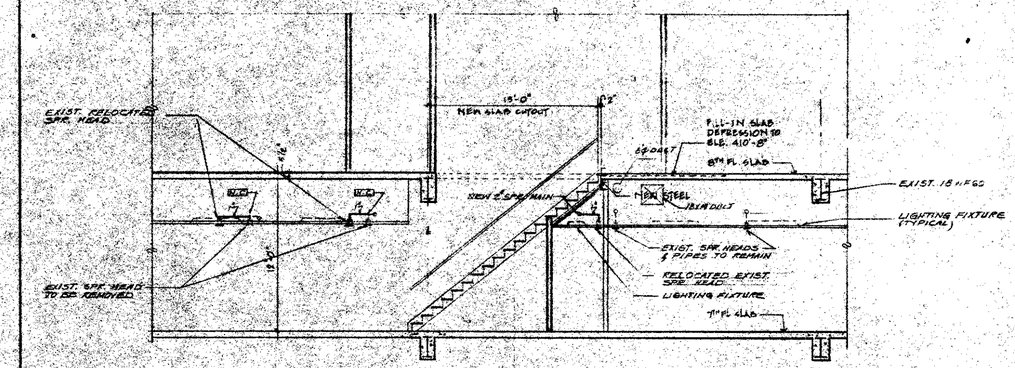
370 SEVENTH AVENUE NEW YORK NEW YORK 10001 (212) 868 8900

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

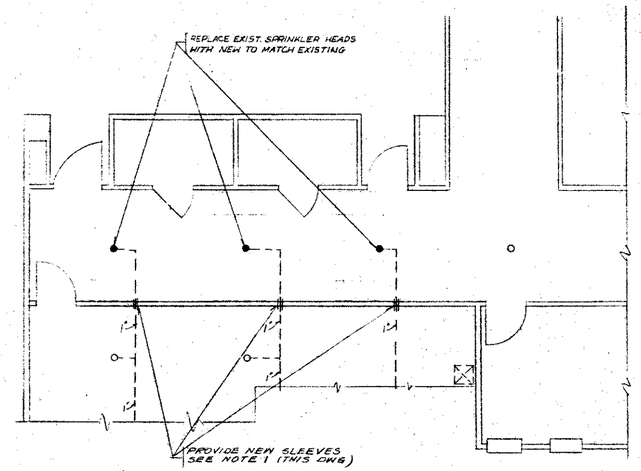
EGRESS UPGRADE
PHASE 1
AREA C & H

PART PLAN
7-TH FLR
SPRINKLER

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no. 1-SPR-2

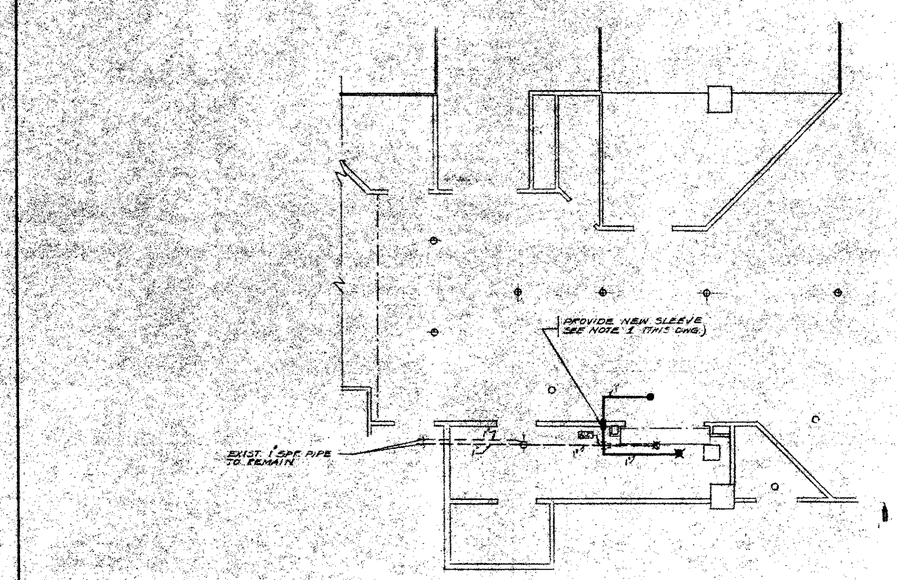


SECTION 1-1 (SEE DWG. 1-SPR-2) PHASE 1
AREA "C"



CONSTRUCTION / DEMOLITION PART 7-TH FLR

AREA "G"



CONSTRUCTION / DEMOLITION PART 8-TH FLR

AREA "B"

NOTE 1

PROVIDE NEW SLEEVES FOR EXISTING AND NEW SPR. PIPES PENETRATING 2-HR. RATED UPGRADING OF NEW PARTITIONS.
CONTRACTOR TO SURVEY ALL SUCH CONDITIONS BEFORE SUBMITTING BIDS. (TYPICAL FOR ALL UPGRADING OF NEW PARTITIONS)

NOTES :

1. FOR SPRINKLER LEGEND REFER TO DWG 1-SPR-1 (PHASE 1)
2. FOR EXACT LOCATION OF THE AREAS INDICATED ON THE DWG. SEE ARCH. PLAN L-2 (7 TH. FL. KEY PLAN) & L-1 8 TH. FL. KEY PLAN)

date	REVISIONS	no.
4/21/84	SUBMITTED TO P.A. FOR REVIEW.	1
5/18/84	SUBMITTED TO P.A. FOR REVIEW	2
11/14/84	SUBMITTED TO P.A. FOR REVIEW	3

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1
STAIR no.7
AREA B,C&G

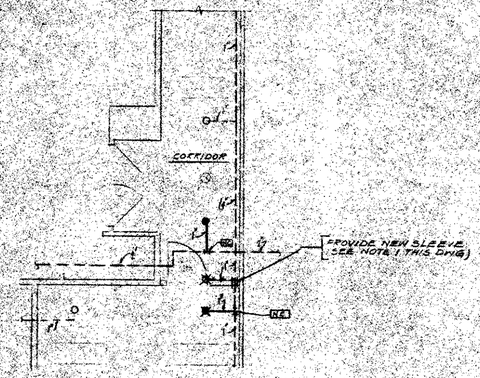
dwg. title :
PART PLAN'S
7-TH AND 8-TH FLR
SPRINKLER

MS&J MEYER STRONG & JONES, P.C. MECHANICAL & ELECTRICAL ENGINEERS 130 MAIN AVE NEW YORK, N.Y. 10162

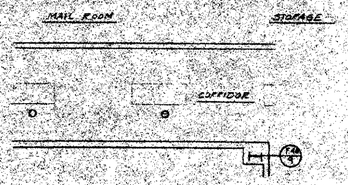
SONSONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS 370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no 1-SPR-3

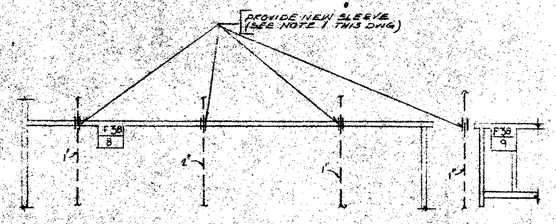
No.	REVISIONS	Date
	SUBMITTED TO P.A. FOR REVIEW	10/15/84
	SUBMITTED TO P.A. FOR REVIEW	11/14/84



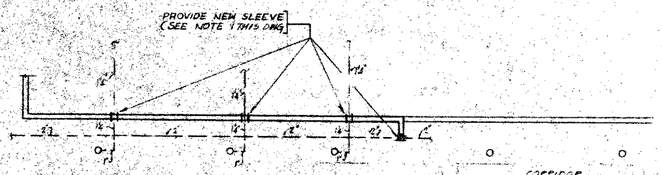
PART CONSTRUCTION /DEMOLITION PLAN-
8-TH FLOOR AREA "E"

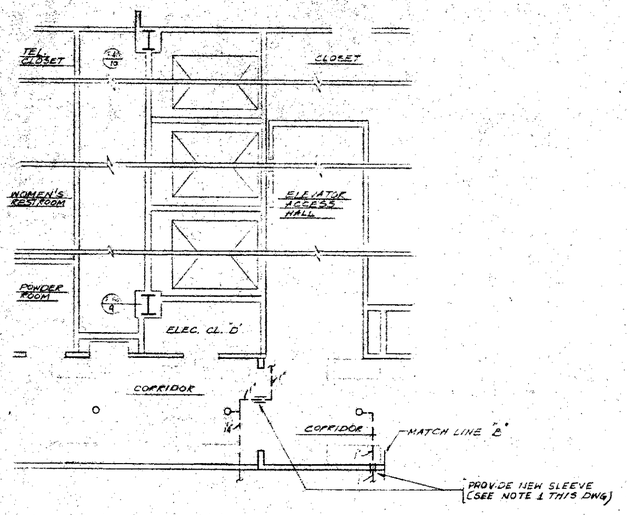


PART CONSTRUCTION / DEMOLITION PLAN
8-TH FLOOR AREA "J"

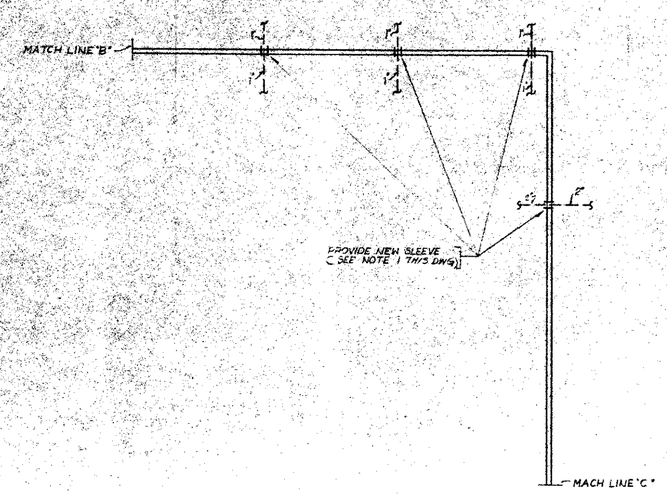


CONSTRUCTION /DEMOLITION PLAN
PART 8-TH FLOOR AREA "E"

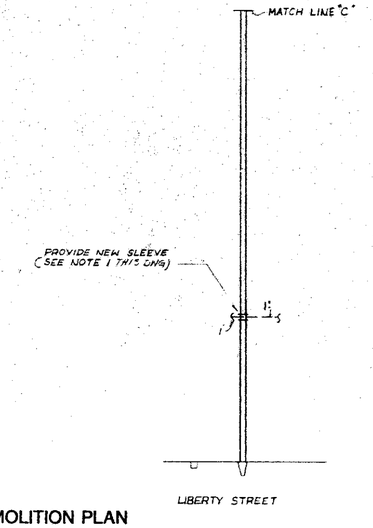




PART CONSTRUCTION /DEMOLITION PLAN
7-TH FLOOR AREA "F"



PART CONSTRUCTION /DEMOLITION PLAN
7TH FLOOR AREA "F"



NOTE 1

PROVIDE NEW SLEEVES FOR EXISTING SPR PIPES PENETRATING 2-HR RATED UPGRADING OF NEW PARTITIONS. CONTRACTOR TO SURVEY ALL SUCH CONDITIONS BEFORE SUBMITTING BIDS. (TYPICAL FOR ALL UPGRADING OF NEW PARTITIONS)

NOTES:

1. FOR SPRINKLER LEGEND REFER TO DWG 1-SPR-1 (PHASE 1)
2. FOR EXACT LOCATION OF THE AREAS INDICATED ON THE DWG. SEE ARCH. PLAN L-2 (7TH. FLOOR KEY PLAN) &L-1 (8TH. FLOOR KEY PLAN)

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

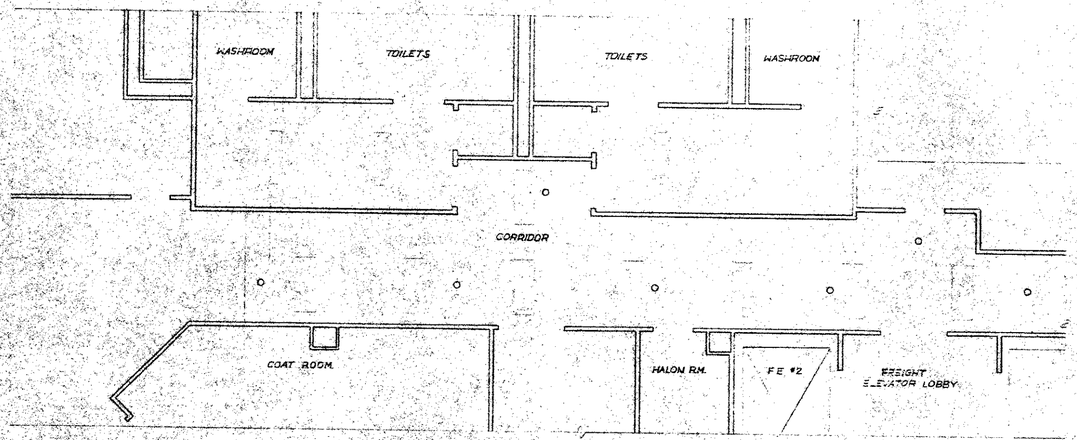
EGRESS UPGRADE
PHASE 1
AREA "E", "J", "F"

PART PLANS
7-TH & 8-TH FLRS
SPRINKLER

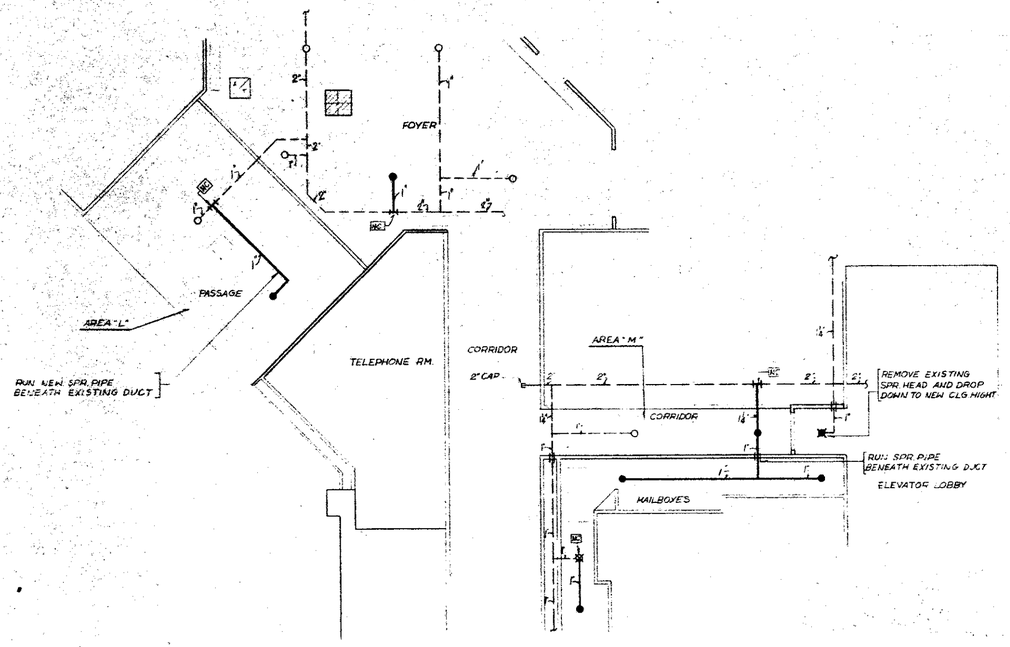
MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

SONSIDORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-9200

project 1830
scale 1/4"-1'-0"
date 6/8/84
dwg no 1-SPR-4



CONSTRUCTION /DEMOLITION PART 8TH FLOOR PLAN AREA "K"



CONSTRUCTION /DEMOLITION PART 8TH FLOOR PLAN AREA "L" & "M"

NOTES:

1. FOR SPRINKLER LEGEND REFER TO DWG. 1-SPR-1 (PHASE 1)

2. FOR EXACT LOCATION OF THE AREAS INDICATED ON THE DWG. SEE ARCH. PLAN L-2 (7TH FLOOR KEY PLAN) & L-1 (8TH FLOOR KEY PLAN)

NOTE :

CONTRACTOR TO VERIFY EXACT LOCATION OF ALL EXISTING SPR. PIPES BEFORE SUBMITTING BIDS (TYPICAL FOR ALL LOCATIONS)

NOTE 1

PROVIDE NEW SLEEVES FOR EXIST. AND NEW SPR. PIPE PENETRATING 2-HR. RATED UPGRADING OF NEW PARTITIONS. CONTRACTOR TO SURVEY ALL SUCH CONDITIONS BEFORE SUBMITTING BIDS. (TYPICAL FOR ALL UPGRADING OR NEW PARTITIONS)

date	REVISIONS	no
4/5/84	SUBMITTED TO P.A. FOR REVIEW	1
11/16/84	SUBMITTED TO P.A. FOR REVIEW	2

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1
AREA "K", "L", "M".

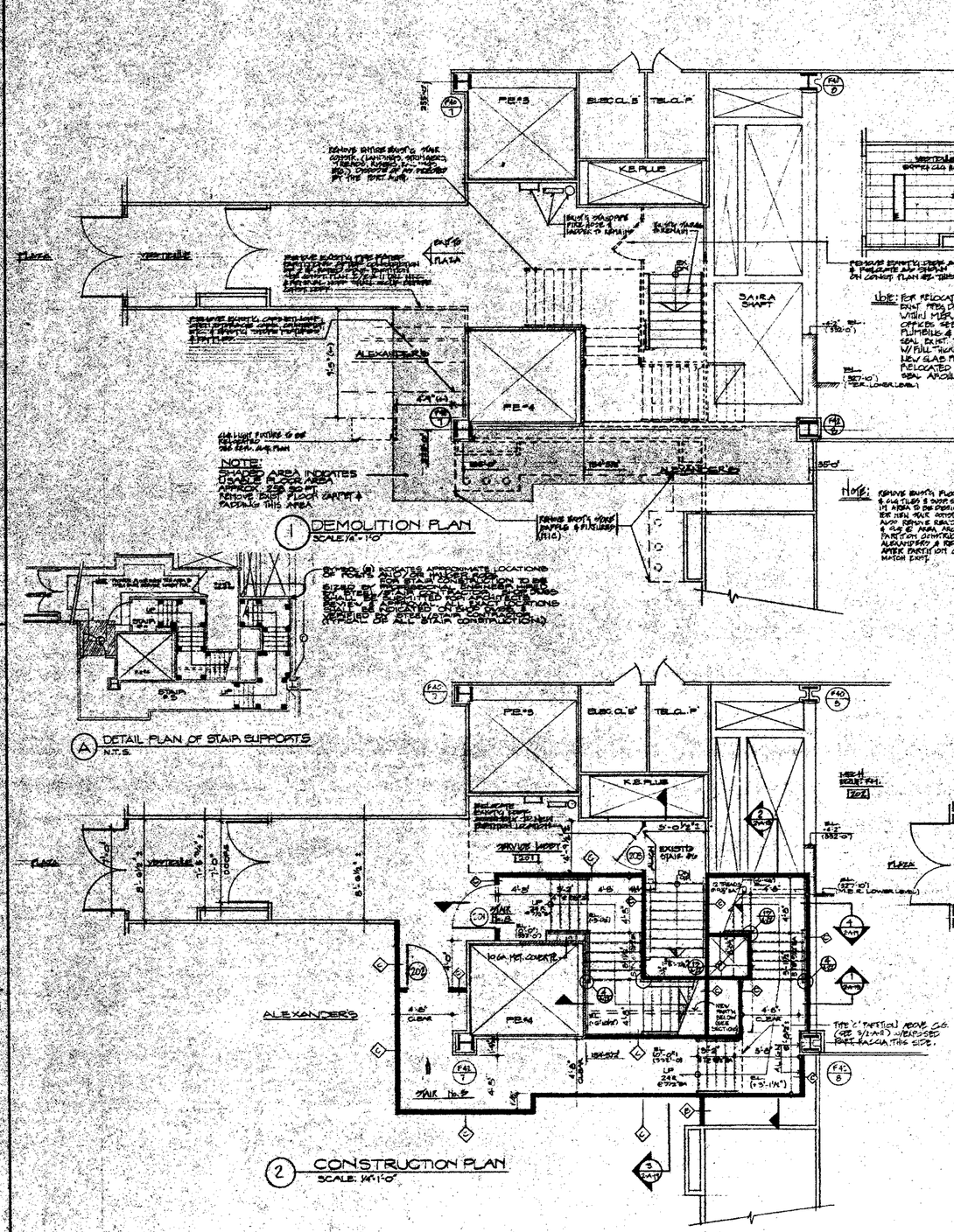
dwg. title:
PART PLANS
8TH FLOOR
SPRINKLER

MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6800

project 1930
scale 1/4":1'-0"
date 10/8/84
dwg no. 1-SPR-5

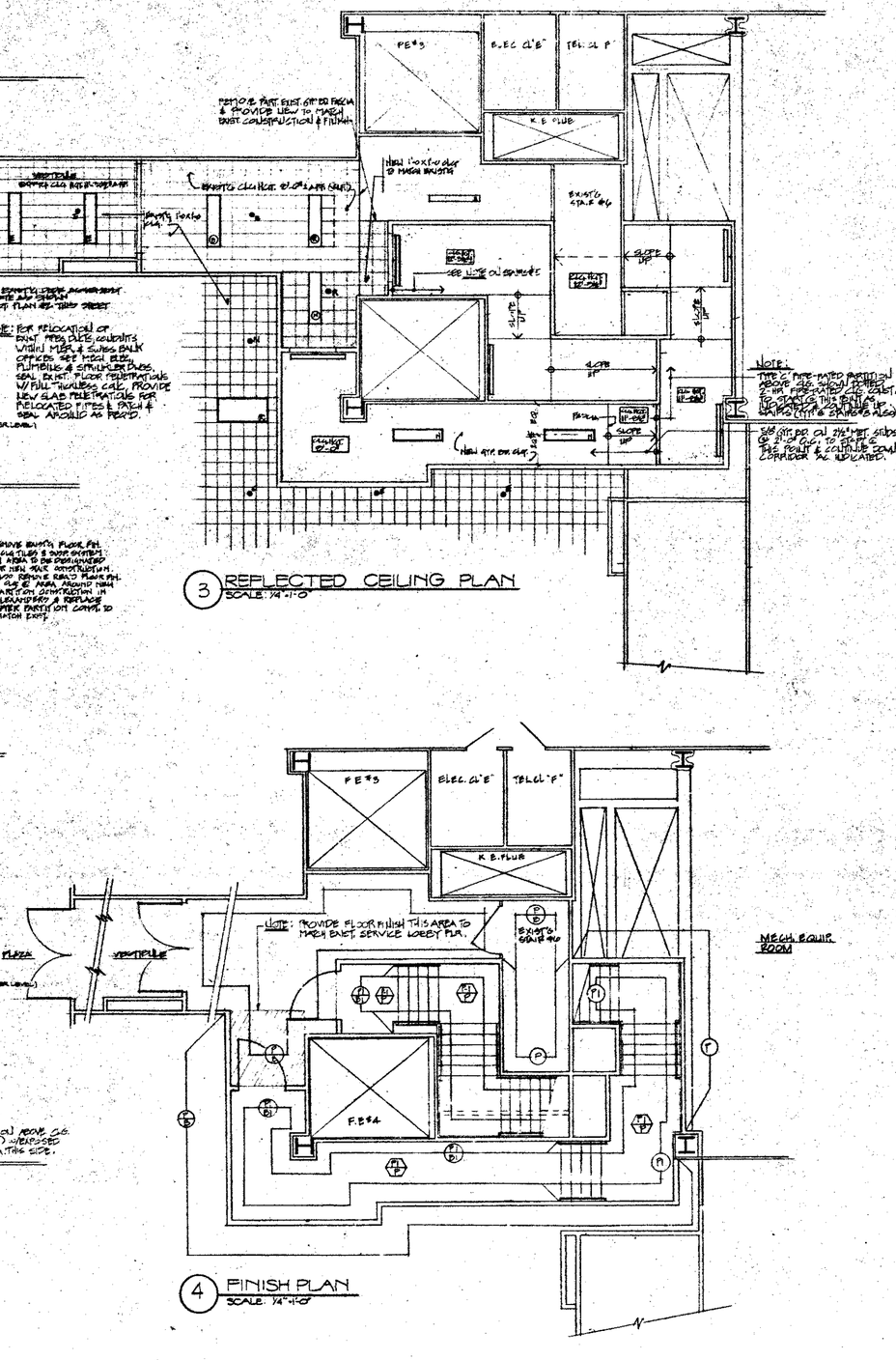
date	REVISIONS	no.
2/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
4/18/84	REVISED TO COMPLY WITH P.A. COMMENTS	1
05/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/6/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW & REVISED AS REQ'D TO COMPLY W/ P.A. COMMENTS	2



1 DEMOLITION PLAN
SCALE: 1/4"-1'-0"

A DETAIL PLAN OF STAIR SUPPORTS
N.T.S.

2 CONSTRUCTION PLAN
SCALE: 1/4"-1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4"-1'-0"

4 FINISH PLAN
SCALE: 1/4"-1'-0"

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

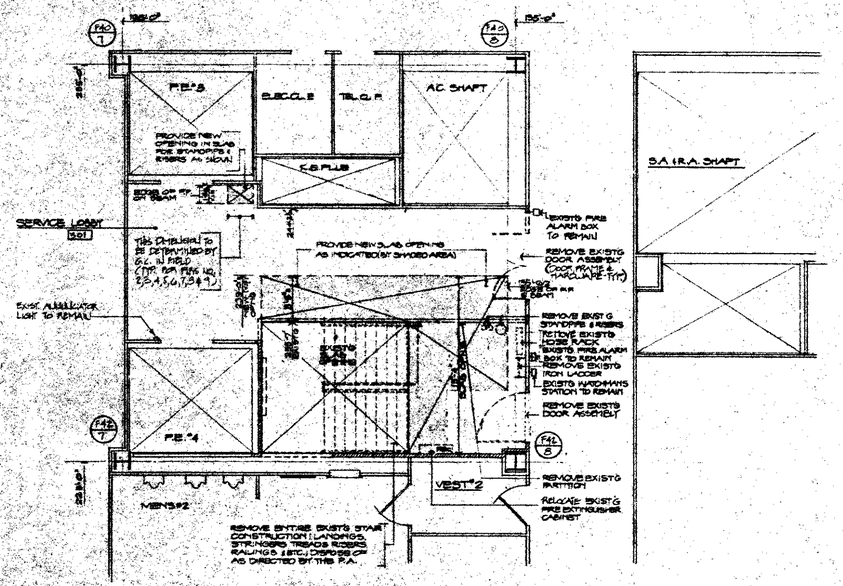
EGRESS UPGRADE PHASE 2, AREA D

dwg. title:
2nd FLOOR
ELEV. 952'-0"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN
FINISH PLAN

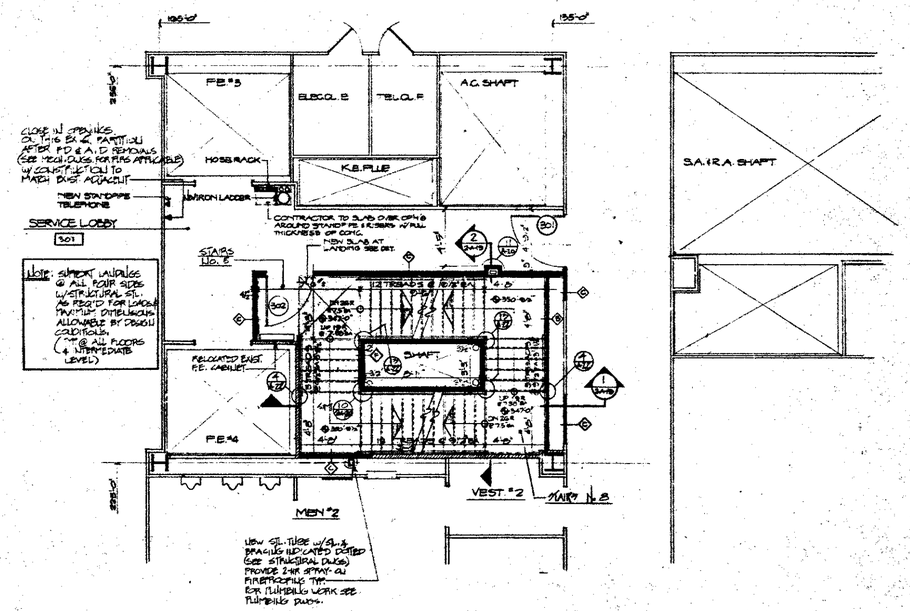
SCHNEIDER, BRENNAN & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-9600

project 1930
scale AS NOTED
date 2/21/84

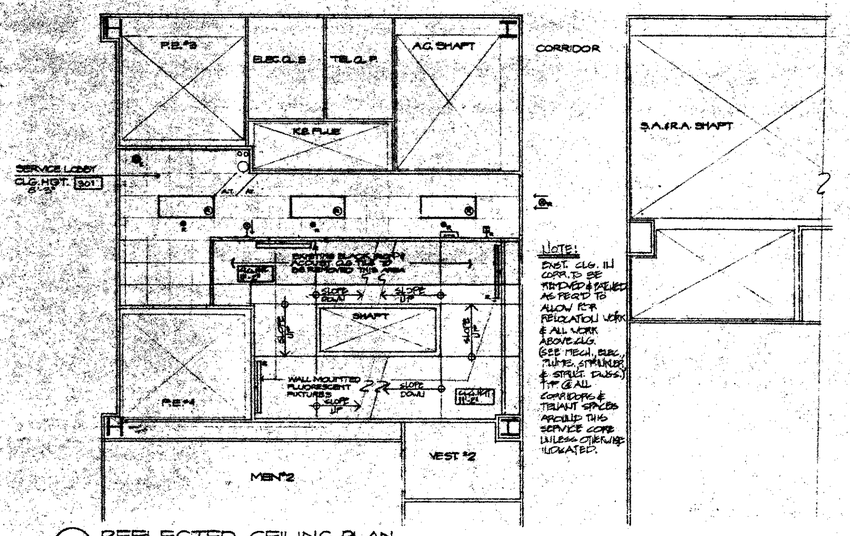
dwg. no.
2-A-11



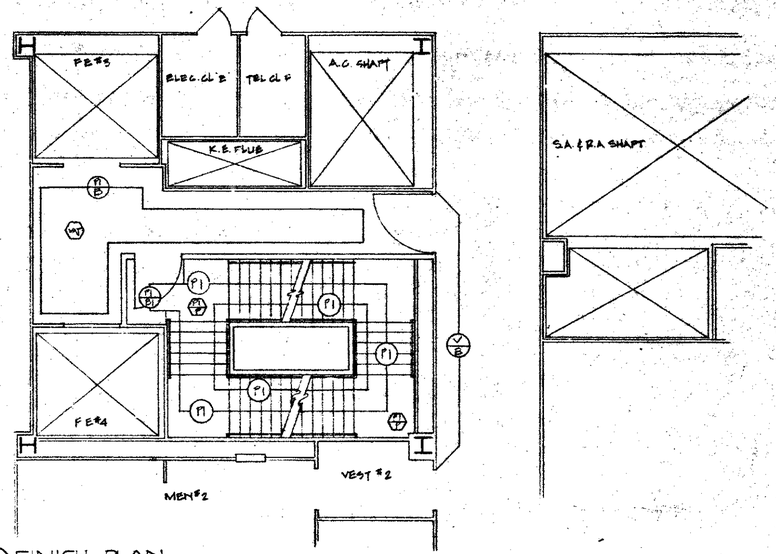
1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"



2 CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



4 FINISH PLAN
SCALE: 1/4"=1'-0"

NOTE:
FINISH PLAN SIMILAR @ FL. #s 4-5-6 & 7 & INTERMEDIATE UNLESS OTHERWISE INDICATED

	REVISIONS	
2/23/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
4/5/04	REVISED TO COMPLY WITH P.A. COMMENTS	1
10/6/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/6/04	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY WITH P.A. COMMENTS	2

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

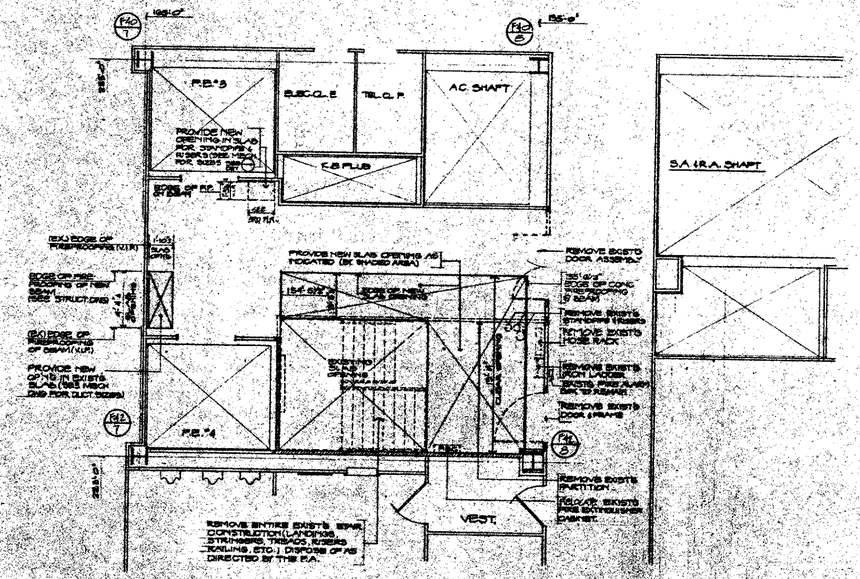
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
3RD FLOOR
ELEV. 34'-0"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN
FINISH PLAN

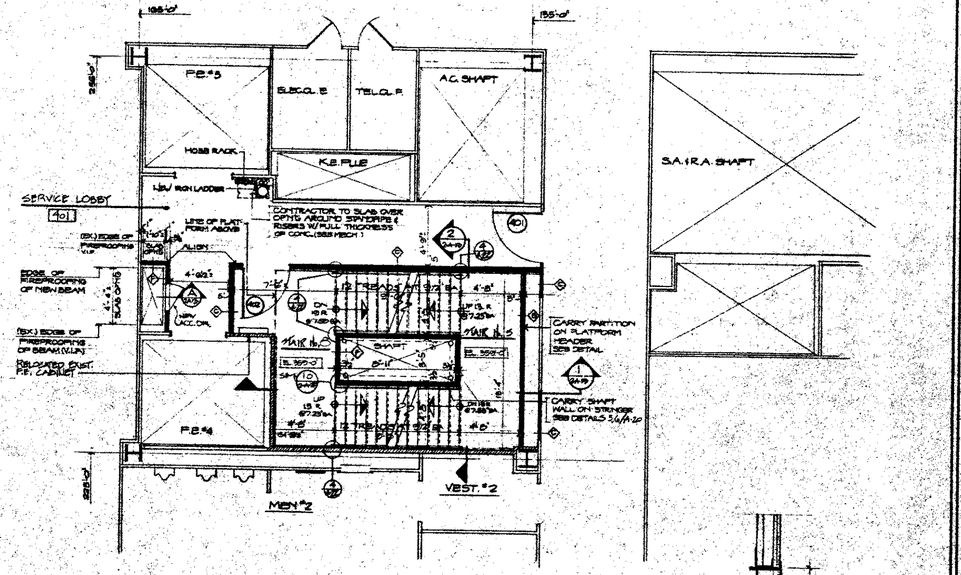
SIMMONDS SINGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 594-5900

project 1830
scale AS NOTED
date 2/21/04

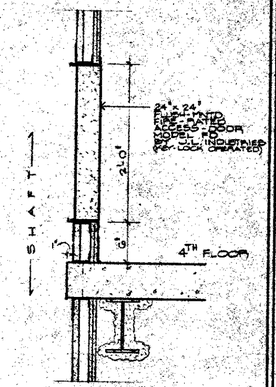
dwg no.
2-A-12



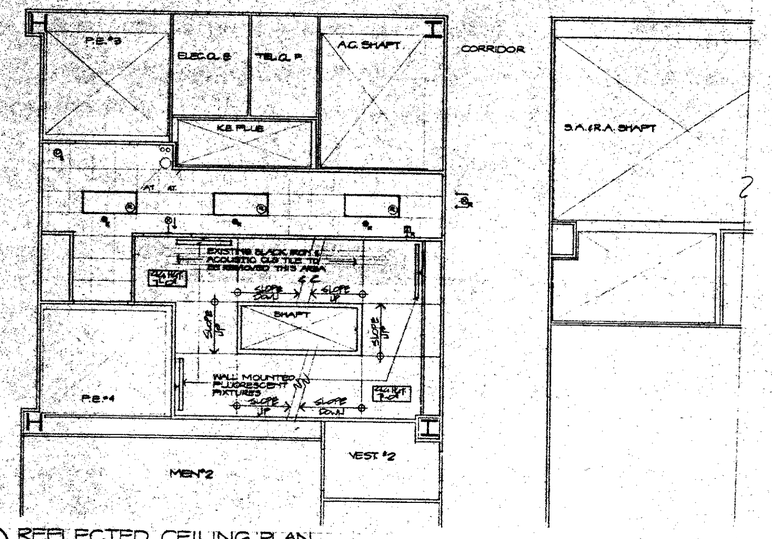
1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



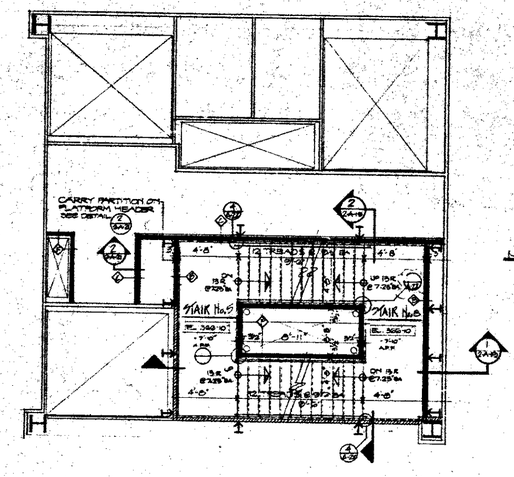
2 CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



A SHAFT AT SLAB (TYP) & ACCESS DR
1½" = 1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



NOTE: PROVIDE GFI RCP INLETS @ LOCATIONS DESIGNATED BY SYMBOL (→) SEE DETAILS, DWG. A-20

NOTE: FOR FINISH PLAN SEE DRWG. A-12

4 INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" / ELEV. 566'-10"

date	REVISIONS	no.
4/12/84	submitted 3rd PORT AUTHORITY FOR REVIEW	
7/7/84	REVISED TO COMPLY WITH P.A. COMMENTS	1
10/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/16/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/ COMMENTS	2

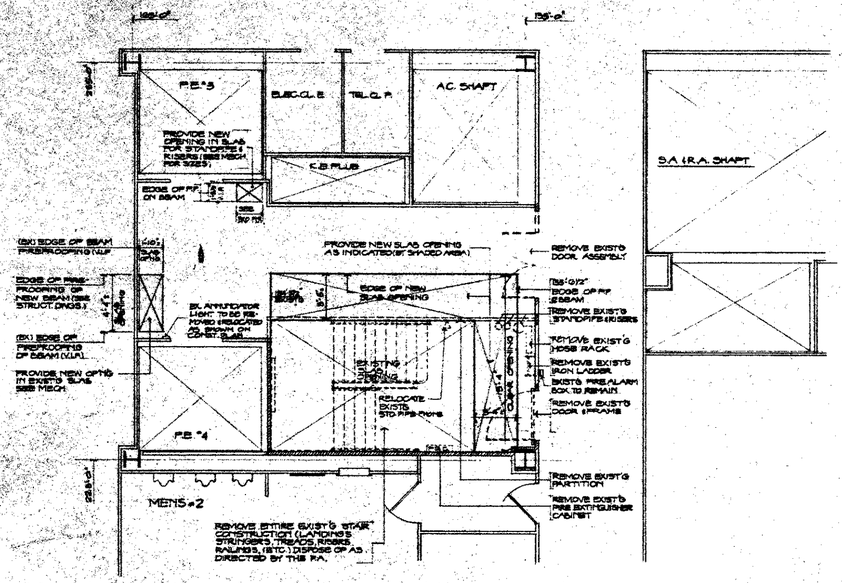
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
4TH FLOOR
ELEV. 555'-0"
DEMOLITION PLAN
CONSTRUCTION PLANS
REFLECTED CEILING PLAN

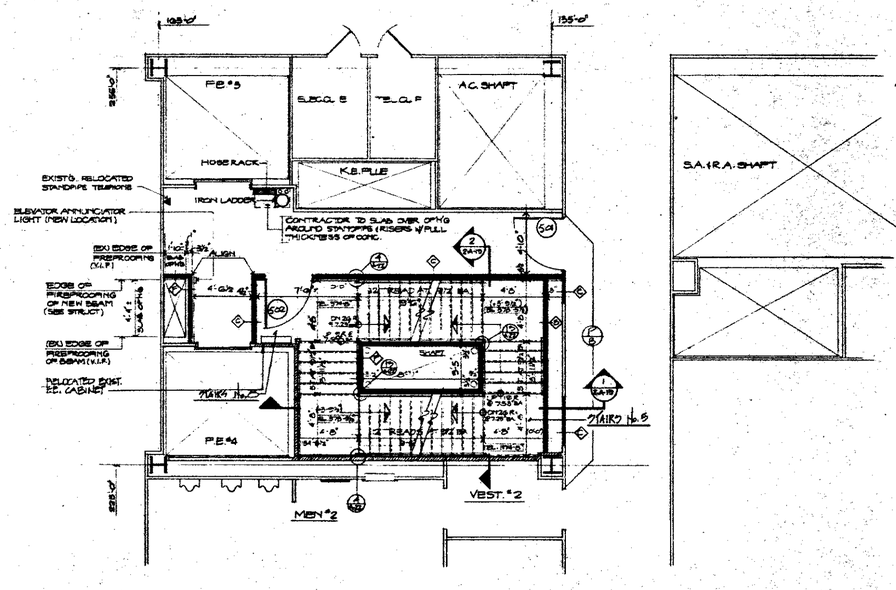
project 1930
scale AS NOTED
date 2/21/84
dwg no. 2-A-13

SCHNEIDHORST BRENNAN & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8800

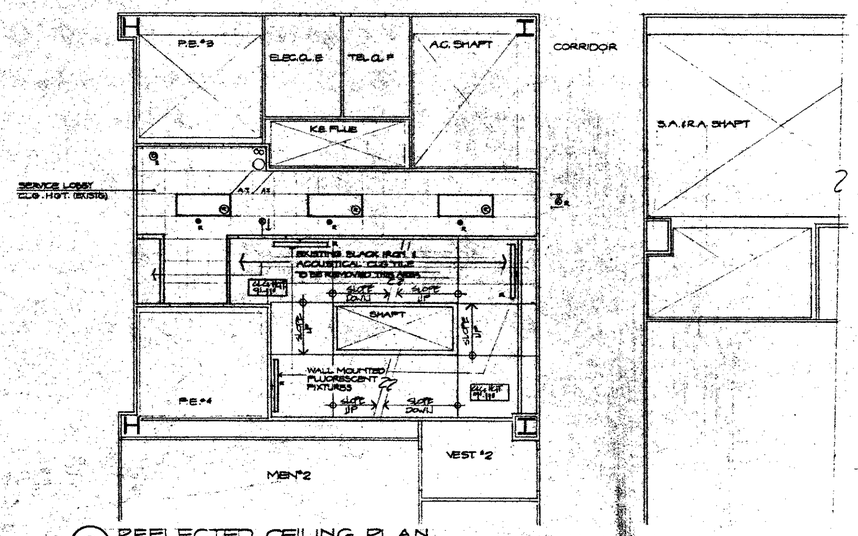


1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

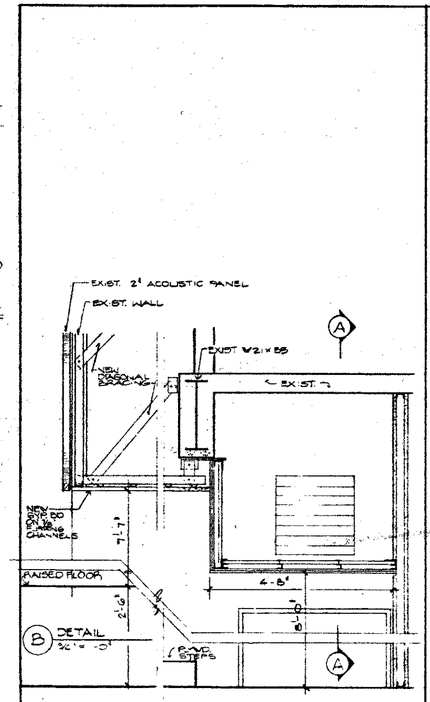
NOTE:
FOR FIN. PLAN SEE DWG. 2-A-12

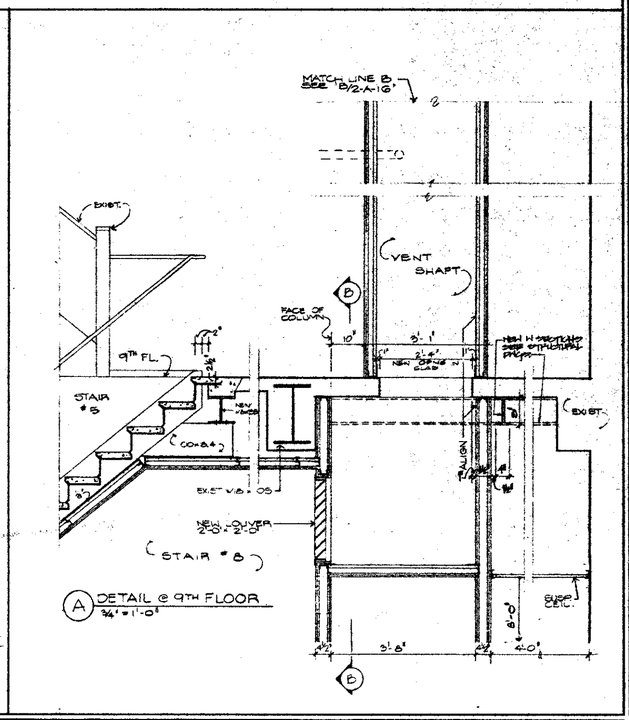


2 CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"





A DETAIL @ 9TH FLOOR
3/4" = 1'-0"

date	REVISIONS	no.
1/10/01	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
9/7/01	REVISED TO COMPLY WITH P.A. COMMENTS	1
10/26/01	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/16/01	SUBMITTED TO P.A. FOR REVIEW AND 90-DAY APPROVALS TO COMPLY W/P.A. COMMENTS	2

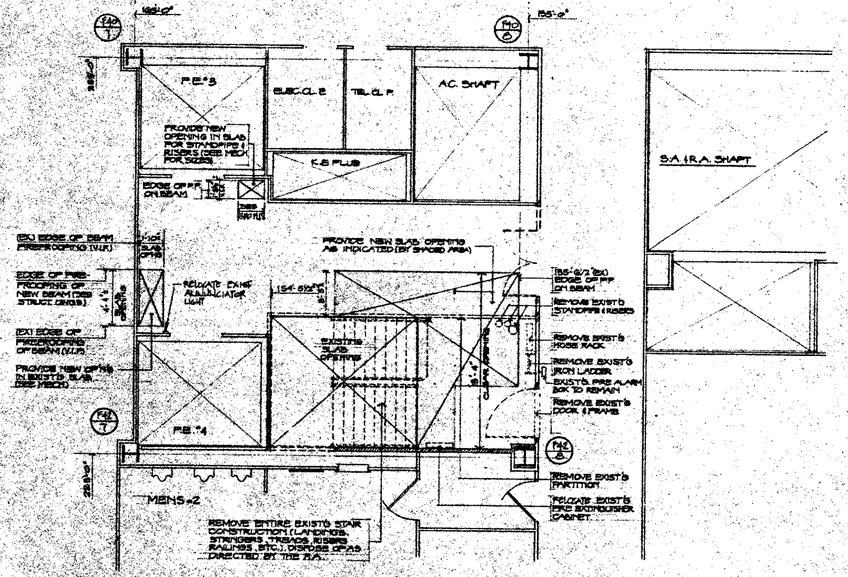
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

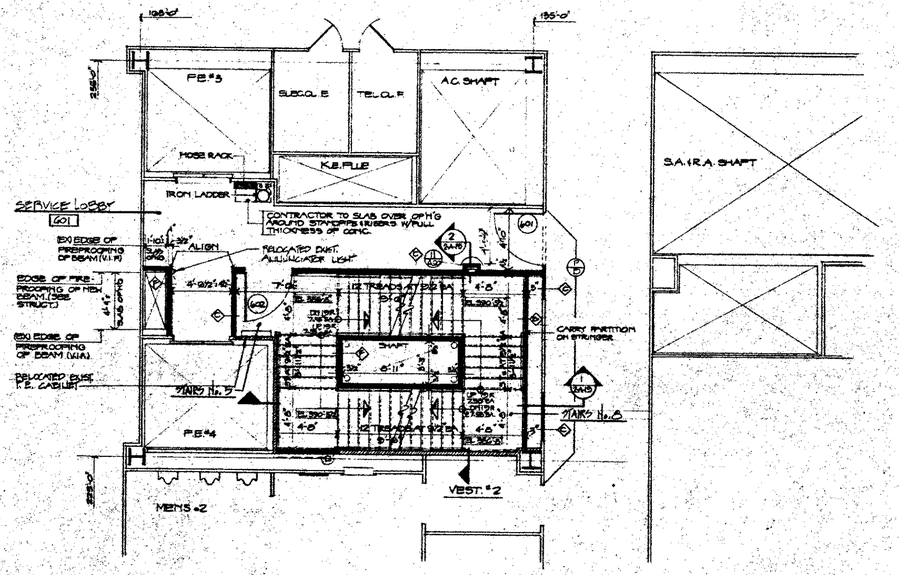
dwg. title:
5TH FLOOR
ELEV. 57'-6"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN

MONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-9600

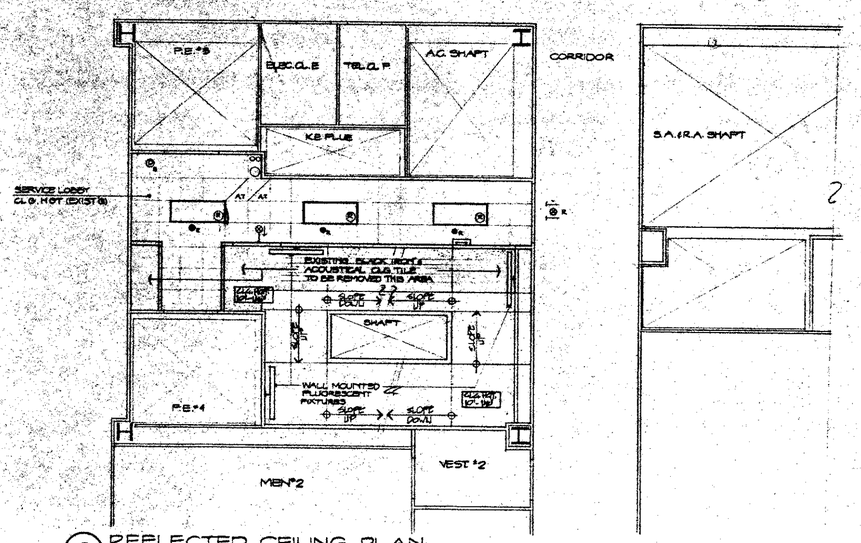
project 1930
scale AS NOTED
date 2/21/01
dwg. no. 2-A-14



1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

NOTE:
FOR P/H. PLAN SEE DRWG 2-A-12

no.	REVISIONS	
2/2/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
4/7/84	REVISED TO COMPLY WITH P.A. COMMENTS	1
4/20/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/14/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/P.A. COMMENTS	2

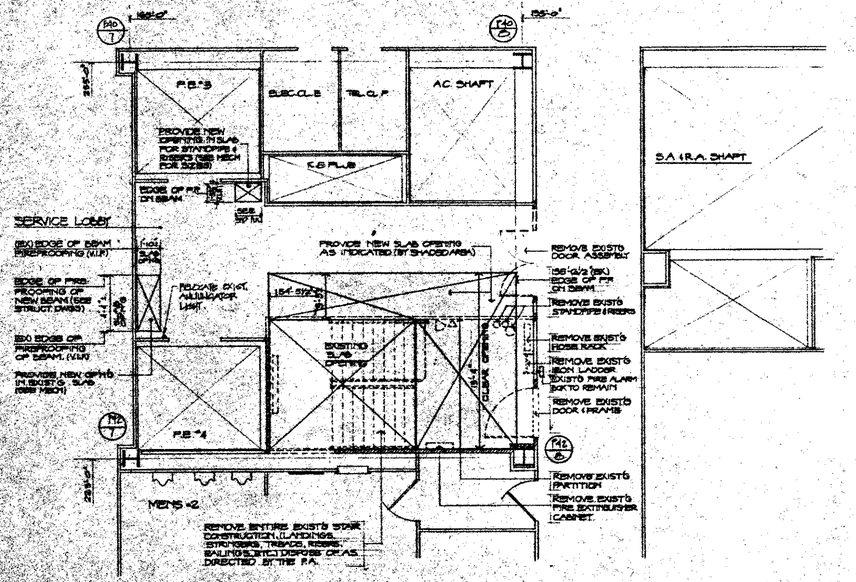
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE PHASE 2 AREA D

dwg. title:
6TH FLOOR
ELEV. 365'-8"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN

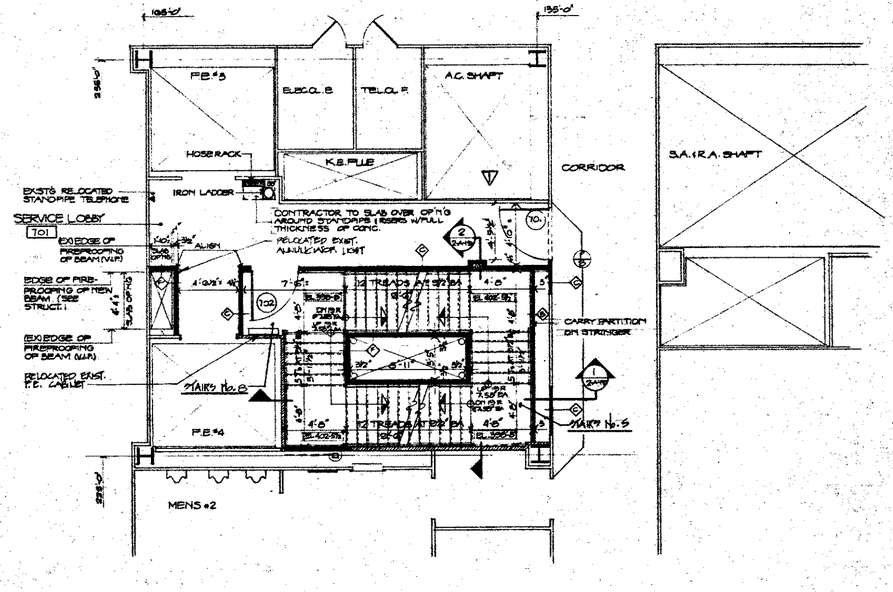
RONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8800

project 1930
scale AS NOTED
date 2/21/84
dwg no. 2-A-15

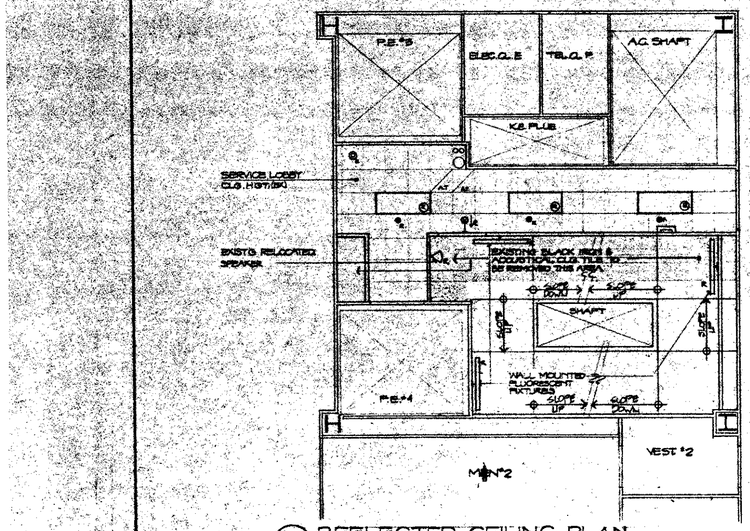


NOTE: FOR FINISH PLAN SEE DRAWING 2-A-12

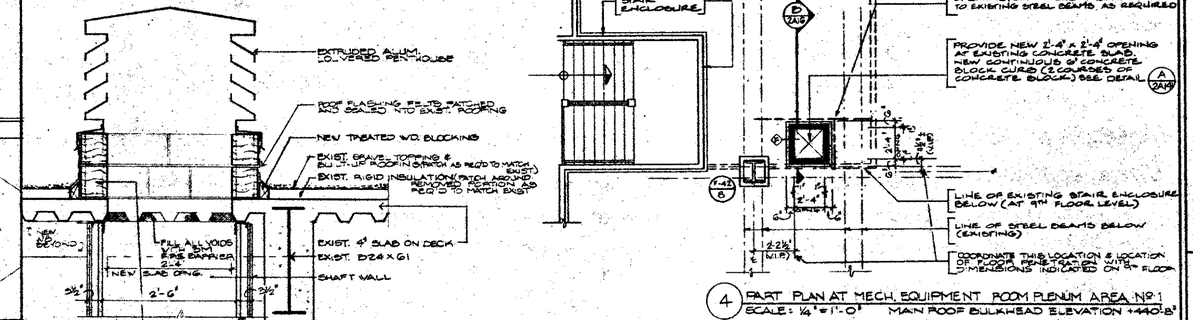
1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"



2 CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"

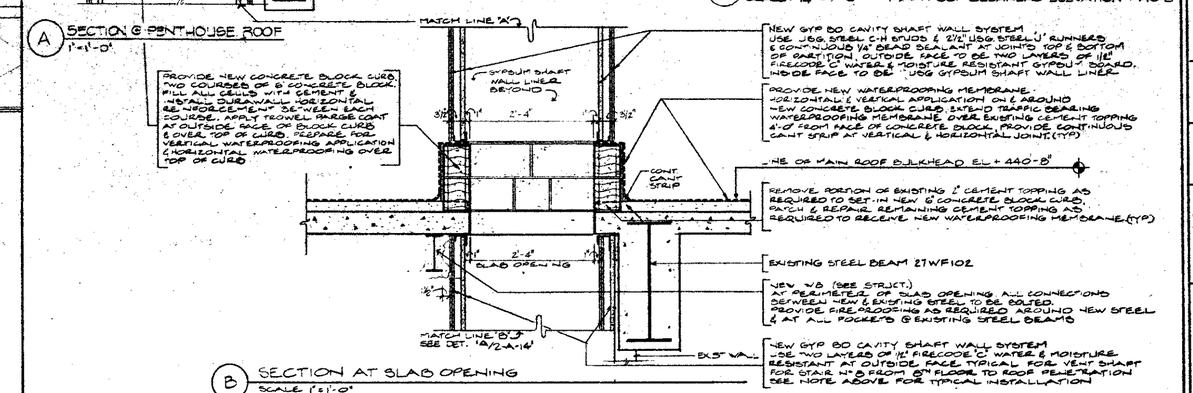


3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



A SECTION @ PENTHOUSE ROOF
1"=1'-0"

4 PART PLAN AT MECH. EQUIPMENT ROOM PLENUM AREA No. 1
SCALE: 1/4"=1'-0" MAIN ROOF BULKHEAD ELEVATION +440'-8"



PROVIDE NEW CONCRETE BLOCK CURB, TWO COURSES OF 8" CONCRETE BLOCK. FILL ALL CELLS WITH CEMENT & MORTAR SLURRY ALL HORIZONTAL RE-INFORCEMENT BETWEEN EACH COURSE. APPLY TROWEL PARGE COAT AT OUTSIDE FACE OF BLOCK CURB & OVER TOP OF CURB. PREPARE FOR VERTICAL WATERPROOFING APPLICATION & HORIZONTAL WATERPROOFING OVER TOP OF CURB

NEW GYP BD CAVITY SHAFT WALL SYSTEM USE 1.5G STEEL C-H STUDS & 2½" 1.5G STEEL 'J' RUNNERS & CONTINUOUS ½" BOARD BEARANT AT JOINTS TOP & BOTTOM OF PARTITION OUTSIDE FACE TO BE TWO LAYERS OF 1⅝" FIRECODE 'C' WATER & MOISTURE RESISTANT GYPSUM BOARD. INSIDE FACE TO BE 1.5G GYPSUM SHAFT WALL LINER

PROVIDE NEW WATERPROOFING MEMBRANE. HORIZONTAL & VERTICAL APPLICATION ON & AROUND NEW CONCRETE BLOCK CURB INTO TRAFFIC BEARING WATERPROOFING MEMBRANE OVER EXISTING CEMENT TOPPING 6" OF FROM FACE OF CONCRETE BLOCK. PROVIDE CONTINUOUS CANT STRIP AT VERTICAL & HORIZONTAL JOINT. (TYP)

LINE OF MAIN ROOF BULKHEAD EL. +440'-8"

REMOVE PORTION OF EXISTING 1" CEMENT TOPPING AS REQUIRED TO SET-IN NEW 8" CONCRETE BLOCK CURB. PATCH & REPAIR REMAINING CEMENT TOPPING AS REQUIRED TO RECEIVE NEW WATERPROOFING MEMBRANE (TYP)

EXISTING STEEL BEAM 27 WF 102

NEW W8 (SEE STRUCT.) AT PERIMETER OF SLAB OPENING ALL CONNECTIONS BETWEEN NEW & EXISTING STEEL TO BE BOLTED. PROVIDE FIRE PROOFING AS REQUIRED AROUND NEW STEEL & AT ALL POCKETS @ EXISTING STEEL BEAMS

NEW GYP BD CAVITY SHAFT WALL SYSTEM USE TWO LAYERS OF 1⅝" FIRECODE 'C' WATER & MOISTURE RESISTANT AT OUTSIDE FACE, TYPICAL FOR VENT SHAFT FOR STAIR No. 6 FROM 8TH FLOOR TO ROOF PENETRATION SEE NOTE ABOVE FOR TYPICAL INSTALLATION

B SECTION AT SLAB OPENING
SCALE: 1"=1'-0"

no.	REVISIONS	
2/21/84	SUBMITTED FOR AUTHORITY FOR REVIEW	
4/17/84	REVISED TO COMPLY WITH P.A. COMMENTS	1
10/18/84	SUBMITTED FOR ADDENDUM FOR REVIEW	
1/4/85	SUBMITTED TO P.A. FOR REVIEW AND SUBSEQUENT REVISIONS TO COMPLY WITH COMMENTS	2

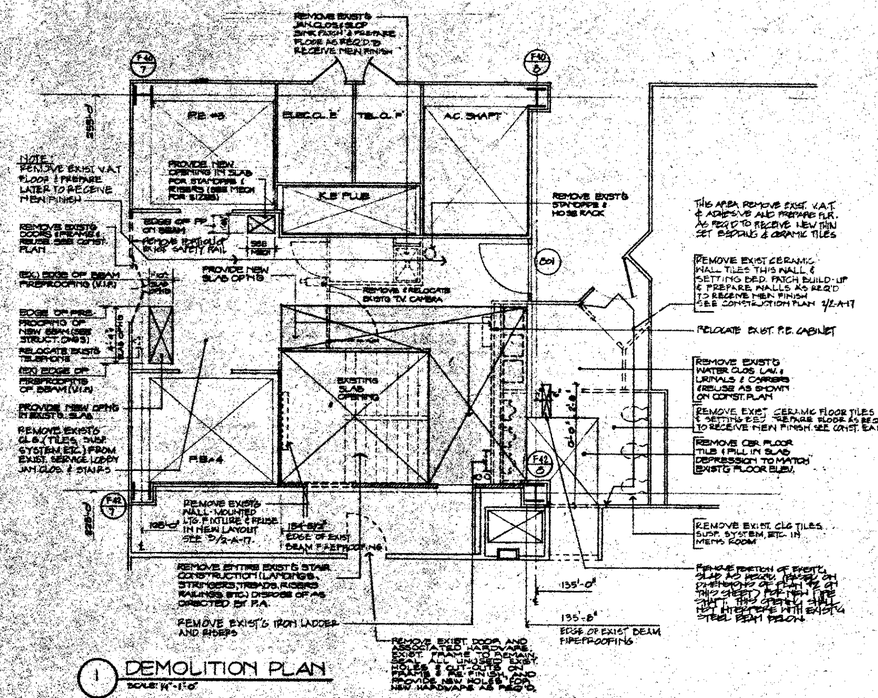
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

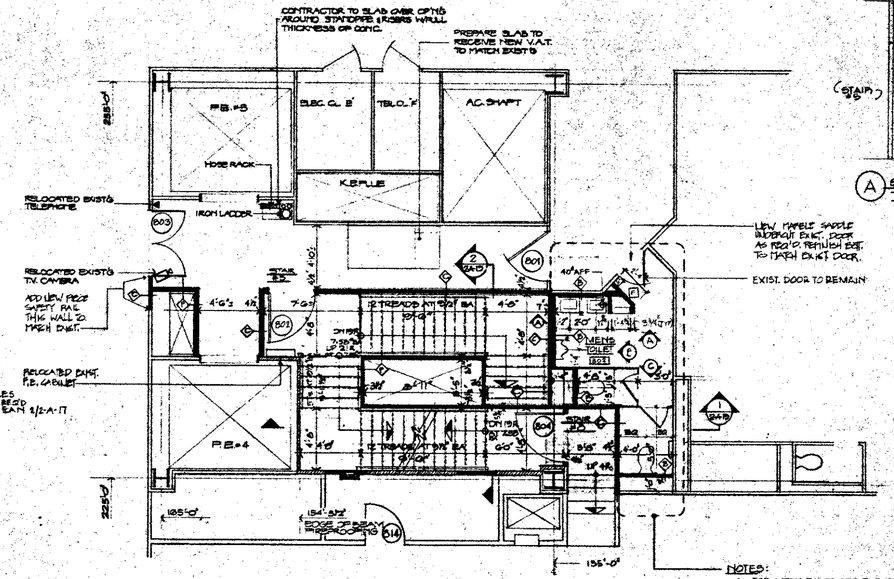
drg. title:
7TH FLOOR
ELEV 396'-6"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN

SOMMERFORDS SPADONATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 594-6600

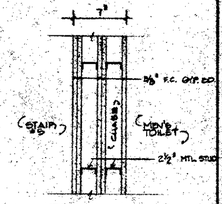
project 1930
scale AS NOTED
date 2/21/84
drg no. 2-A-16



1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"

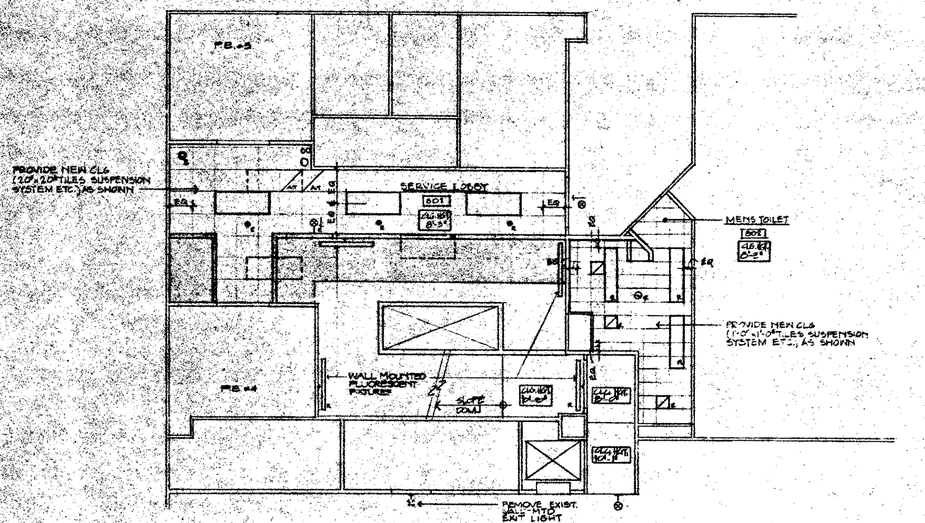


2 CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"

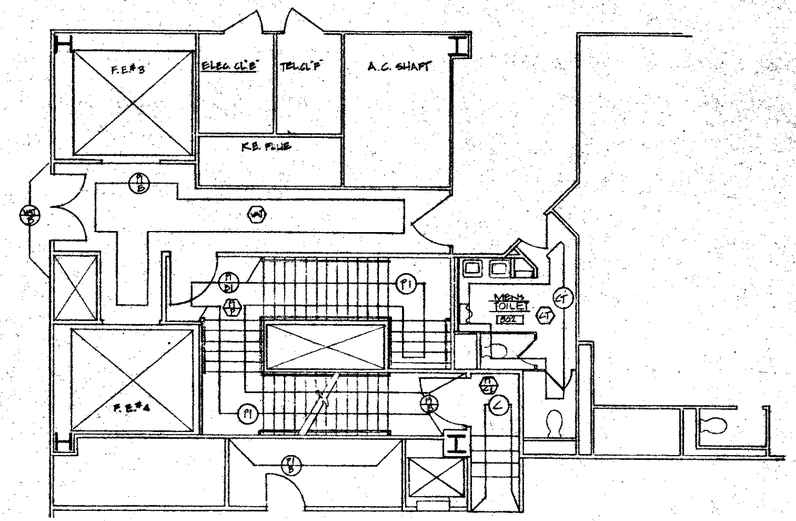


A SECTION THRU TOILET CHASE
1½"=1'-0"

NOTES:
1. FOR MENS TOILET SEE ELEVATIONS A, B & C SEE DWG 1-A-2
2. TOILET FIXTURES: 2 LAVATORIES, 2 W.C., 1 URINAL AND TOILET ACCESSORIES (TOWEL & T.P. DISPENSER MIRROR SHALL BE EXISTING RELOCATED AS SHOWN.
A. FILL VOID AROUND SLEEVES FOR PLUMBING LINES PENETRATING SLAB WITH CONC (FULL THICKNESS), ETC. TO MATCH EXISTING.



3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



4 FINISH PLAN
SCALE: 1/4"=1'-0"

date	REVISIONS	no.
12/3/04	SUBMITTED TO P.A. FOR PRELIMINARY REVIEW	
1/7/05	REVISED TO COMPLY WITH P.A. COMMENTS	1
1/26/05	SUBMITTED TO P.A. FOR PRELIMINARY REVIEW AND GENERAL REVISIONS	
2/16/05	SUBMITTED TO P.A. FOR PRELIMINARY REVIEW AND GENERAL REVISIONS TO COMPLY W/P.A. COMMENTS	2

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

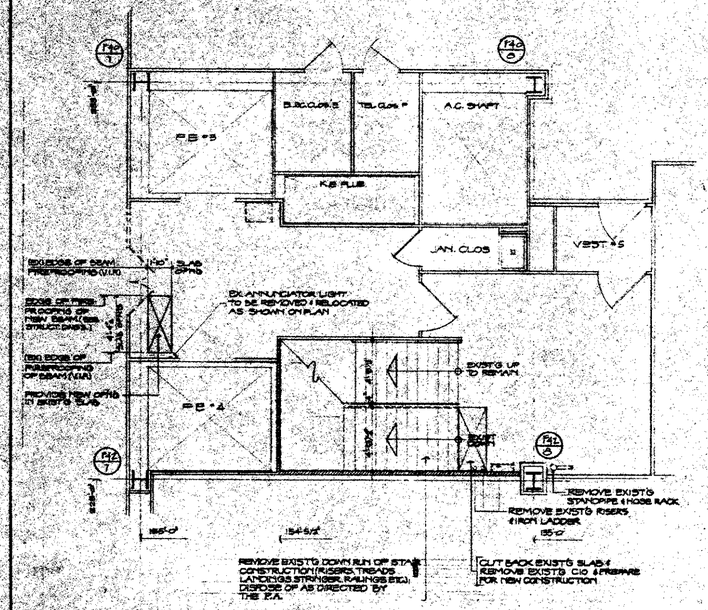
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
8TH FLOOR
BLDG. 4-10-8
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN
FINISH PLAN

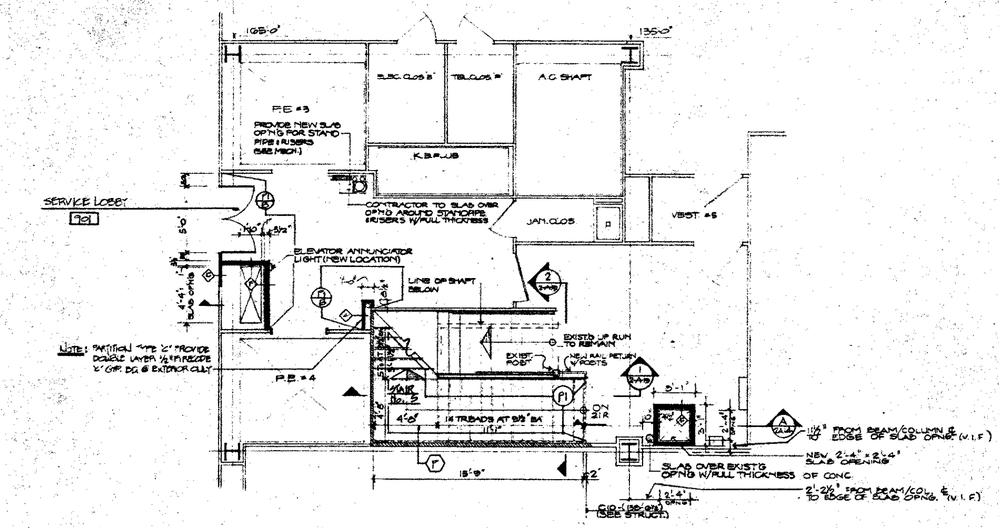
SIMONSIMONE SPIGNATI & MAZZOTTA, R.G. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-6500

project 1930
scale AS NOTED
date 2/21/04

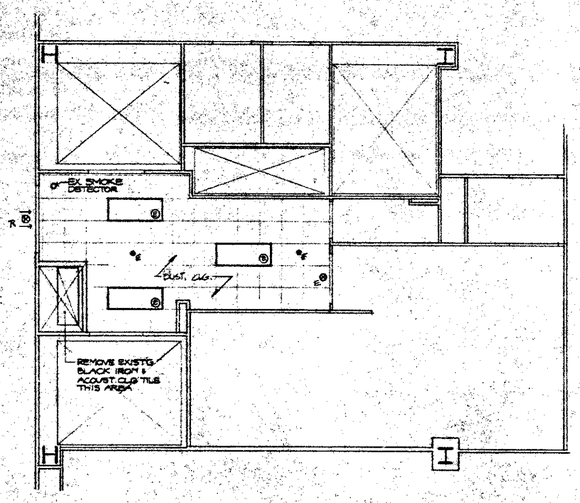
dwg no.
2-A-17



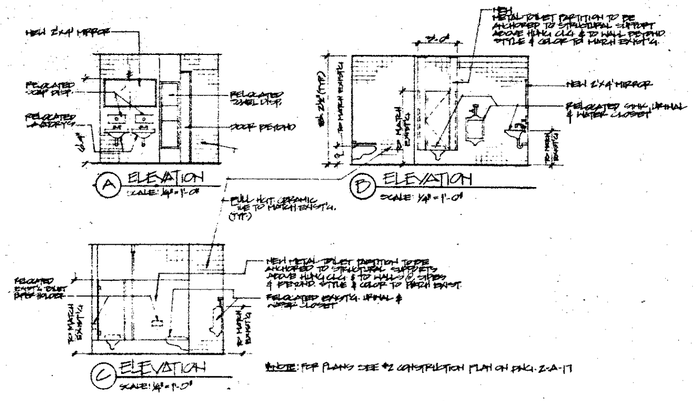
1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"



2 CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"



3 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



NOTE: FOR PLANS SEE #2 CONSTRUCTION PLAN ON DWG. 2-A-17

date	REVISIONS	
12/13/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
9/7/84	ADDED MISCELLANEOUS A.D.A. REQUIREMENTS	1
9/6/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/16/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/P.A. COMMENTS	2

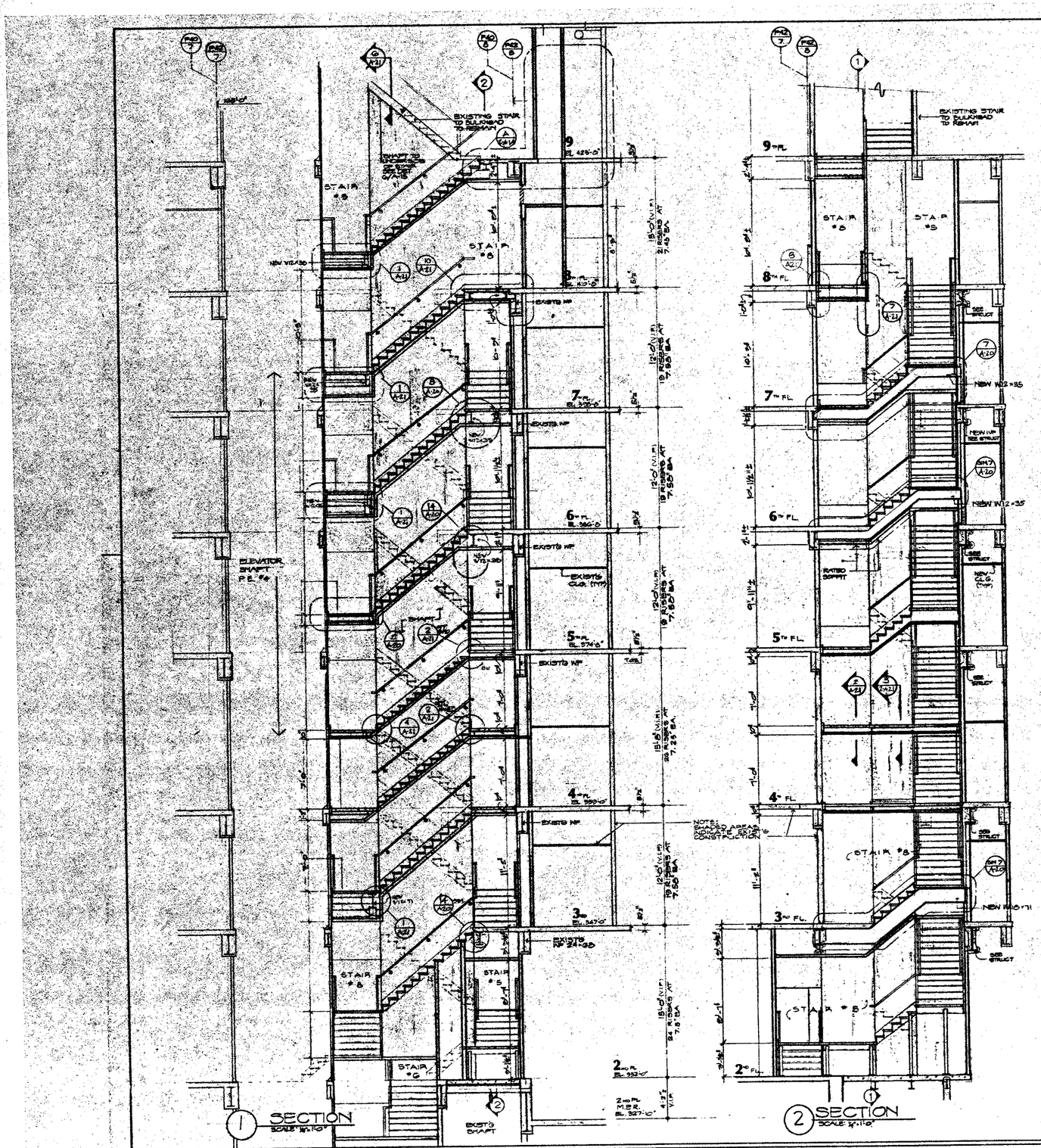
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

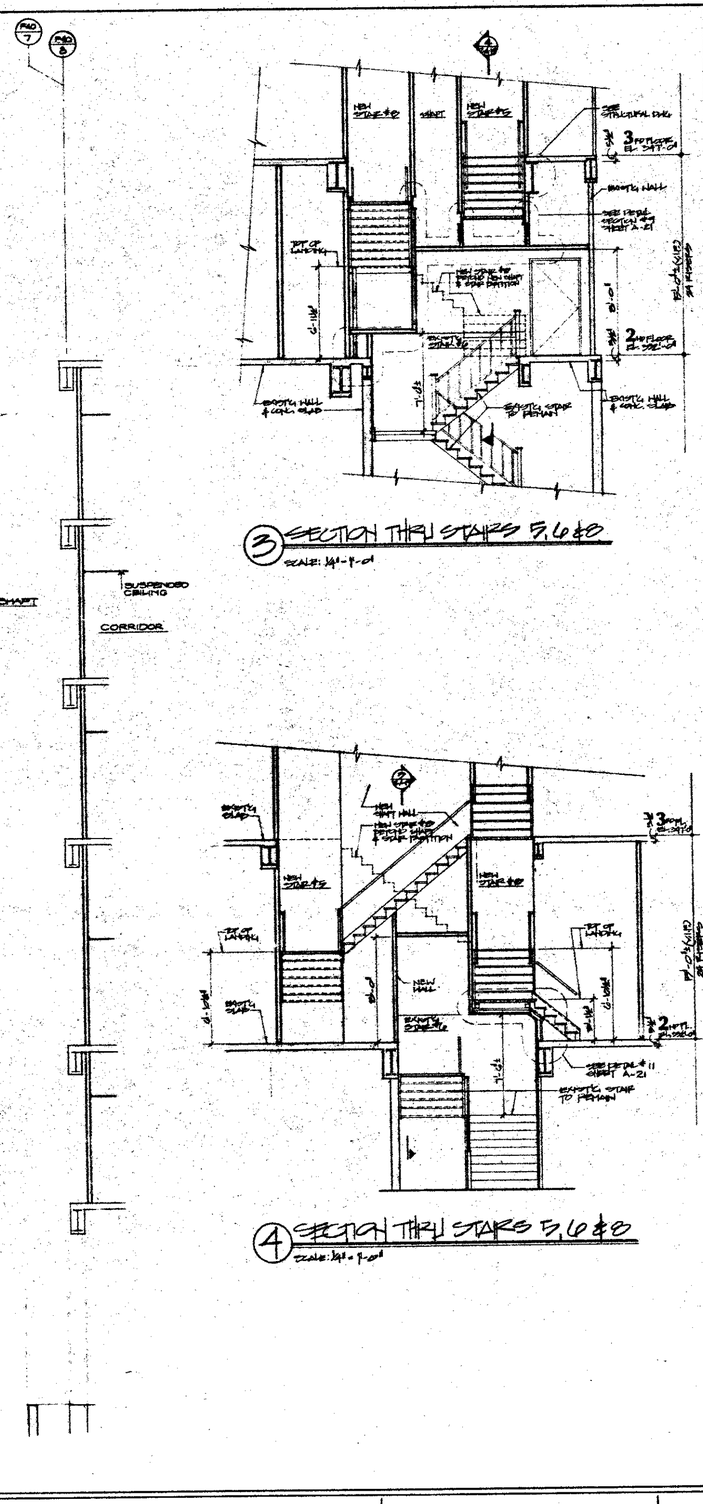
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
9TH FLOOR
ELEV. 423'-6"
DEMOLITION PLAN
CONSTRUCTION PLAN
REFLECTED CEILING PLAN

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8800

project 1930
scale AS NOTED
date 2/21/84
dwg no. 2-A-18





date	REVISIONS	no.
2/24/04	SUBMITTED TO DOT AUTHORITY FOR REVIEW	
7/7/04	REVISED TO COMPLY WITH D.A. COMMENTS	1
08/04	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
9/16/04	SUBMITTED TO P.A. FOR REVIEW & GENERAL REVISIONS TO COMPLY W/ D.A. COMMENTS	2

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

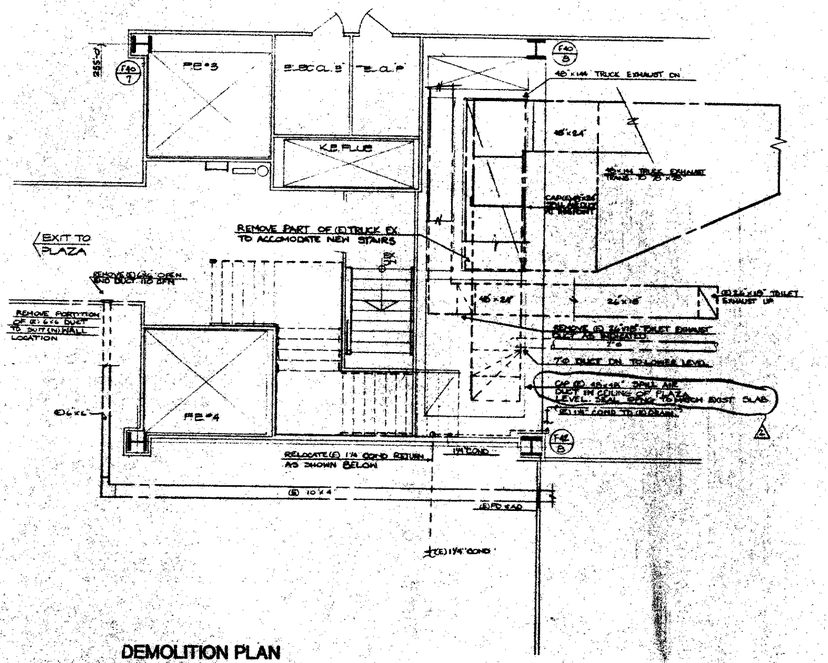
EGRESS UPGRADE
PHASE 1 AREA D

dwg. title:
VERTICAL STAIR SECTIONS

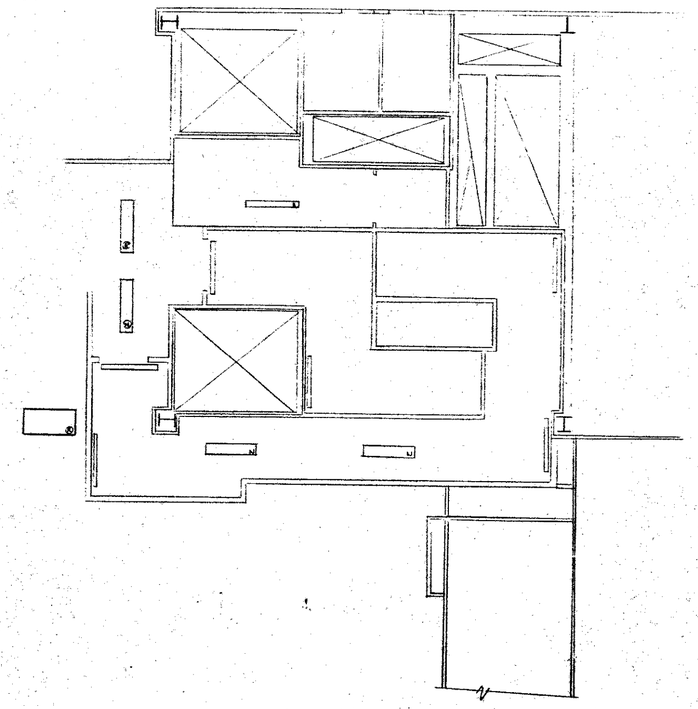
SCHIMENTI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 244-8600

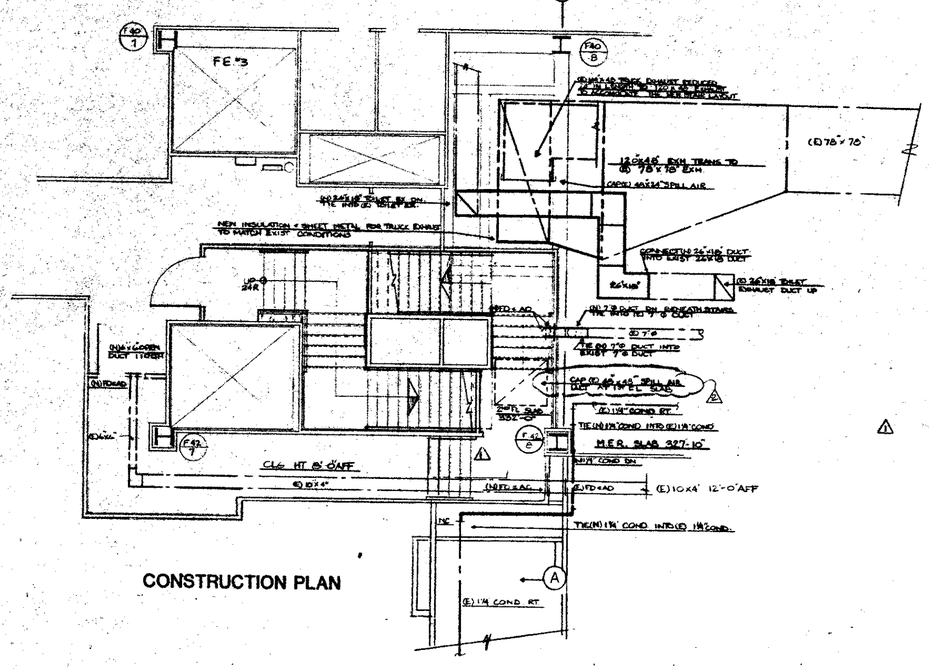
project 1830
scale 1/4"=1'-0"
date 2/21/04

dwg no.
2-A-19

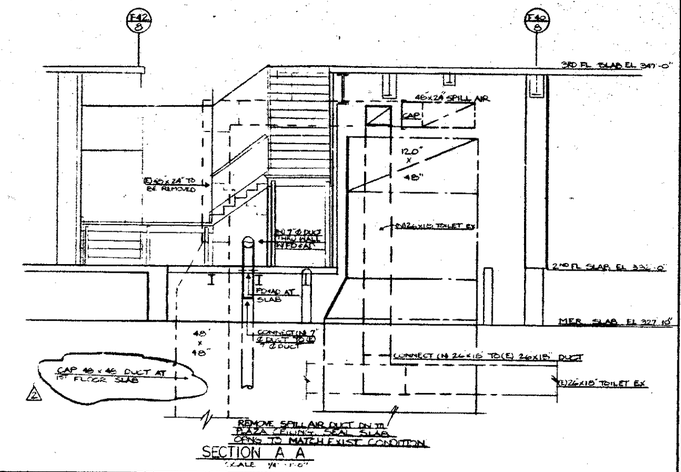


DEMOLITION PLAN





CONSTRUCTION PLAN



SECTION A A

date	REVISIONS	no.
2-21-84	SUBMITTED TO FA FOR REVIEW	
4-7-84	REVISED AS PER FA COMMENTS	1
10-8-84	SUBMITTED TO FA FOR REVIEW	
10-31-84	REVISED AS PER FA COMMENTS	2
11-16-84	SUBMITTED TO FA FOR REVIEW	

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COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

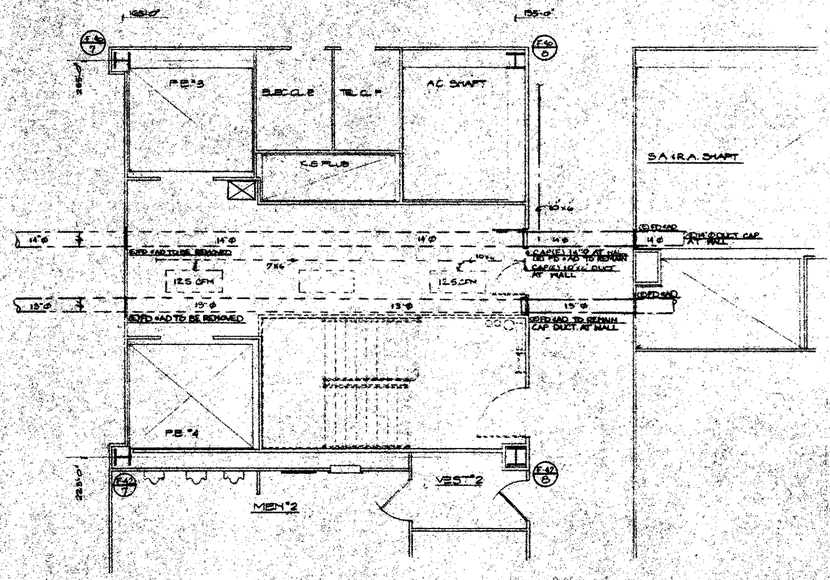
dwg. title:
2ND FLOOR
DUCTWORK PLANS

MS&J MEYER STRONG & JONES PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK NY 10169

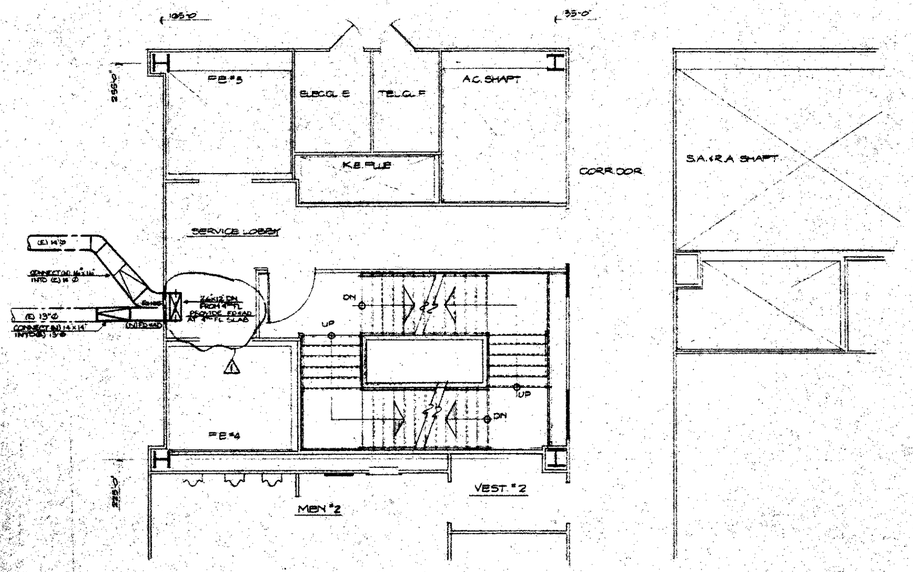
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 886-8900

project 1930
scale 1/4"=1'-0"
date 2-21-84

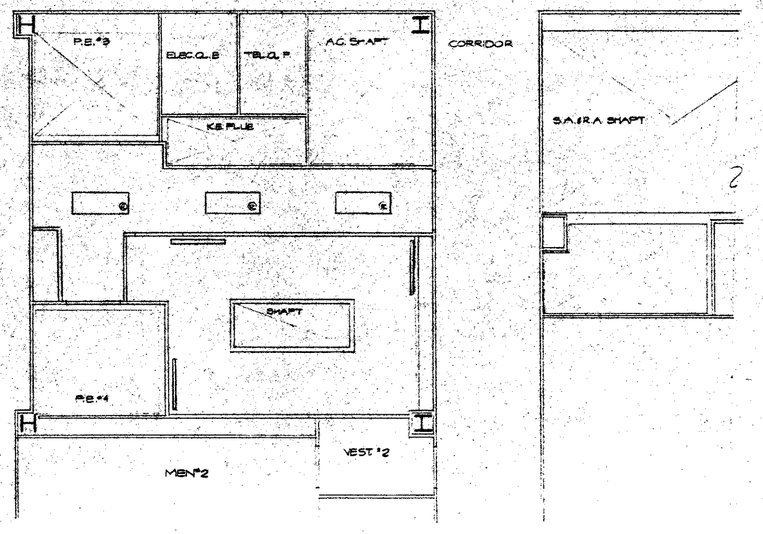
dwg no.
2 M 1



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	no.
2-21-84	RESUBMITTED TO PA FOR REVIEW	
9-7-84	REVISED AS PER PA COMMENT	1
10-8-84	RESUBMITTED TO PA FOR REVIEW	
11-6-84	RESUBMITTED TO PA FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

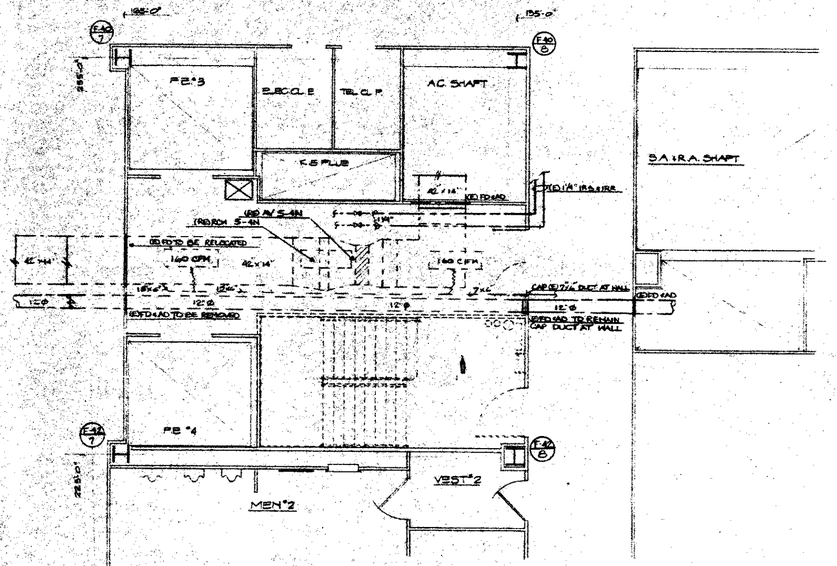
dwg. title:
3RD. FLOOR
DUCTWORK PLANS

M.S.J. MEYER STRONGIN JAFFE, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
NEW YORK, N.Y.

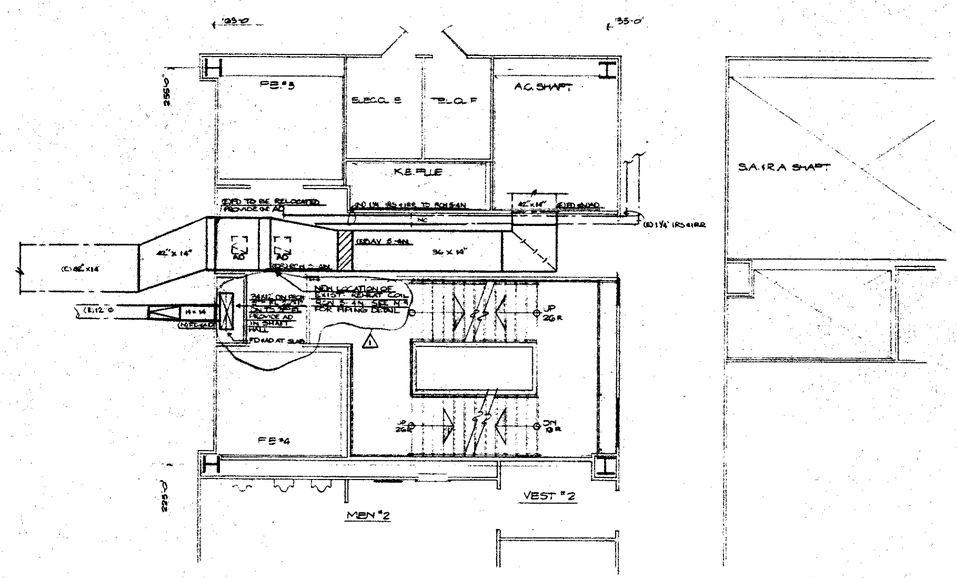
SONSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6800

project 1930
scale 1/4"=1'-0"
date 2-21-84

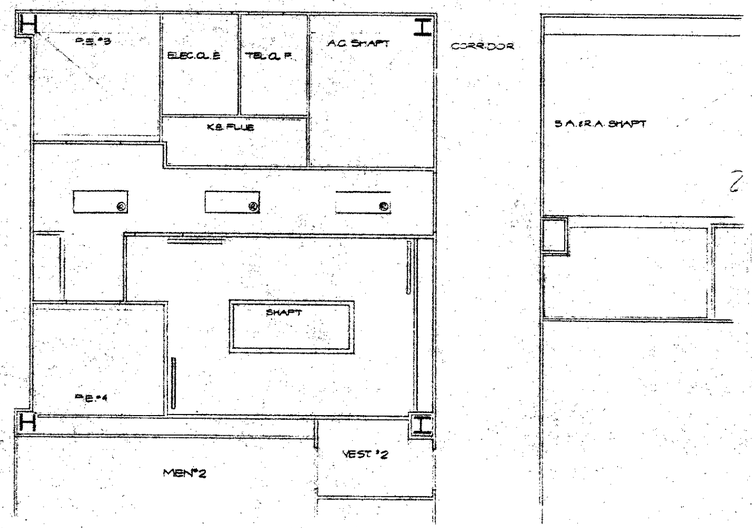
dwg no.
2 M 2



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	adj
2-21-04	SUBMITTED TO PA FOR REVIEW	
9-7-04	REVISED AS PER PA COMMENT	1
10-6-04	SUBMITTED TO PA FOR REVIEW	
11-16-04	SUBMITTED TO PA FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

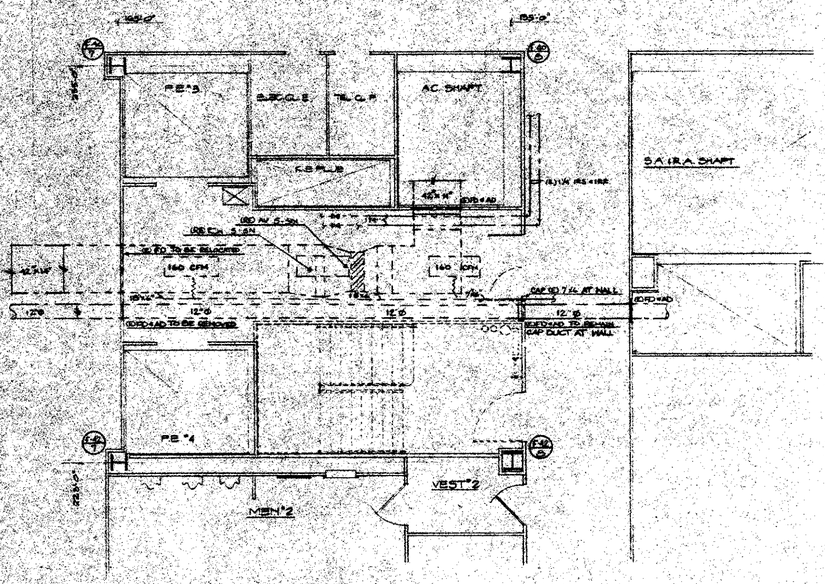
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
4TH FLOOR
DUCTWORK PLANS

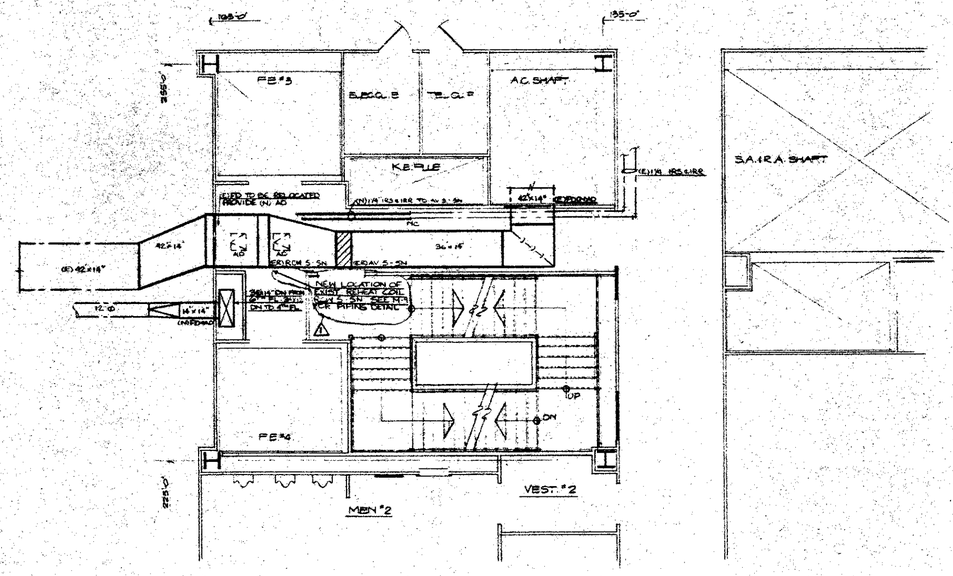
MSJ MEYER STRONG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6800

project 1930
scale 3/16"=1'-0"
date 2-21-04

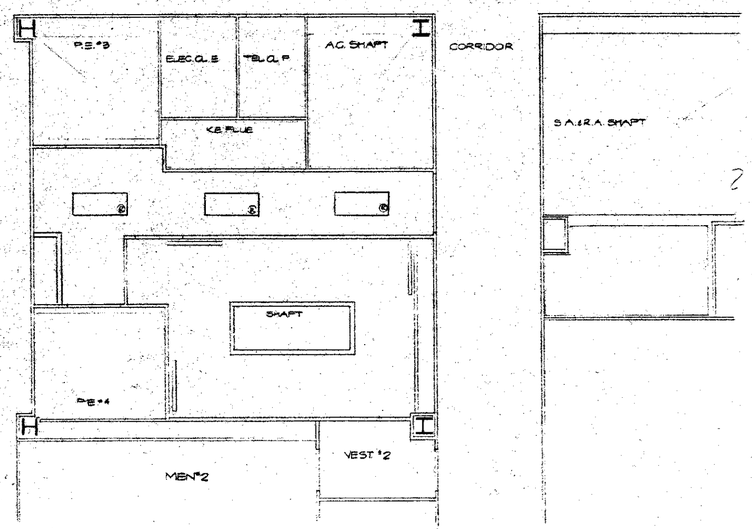
dwg no.
2M3



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	no.
2.21.05	SUBMITTED TO PA FOR REVIEW	
9.7.04	REVISED AS PER PA COMMENT	1
8.30.04	SUBMITTED TO PA FOR REVIEW	
11.4.04	SUBMITTED TO PA FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRAD
PHASE 2 AREA D

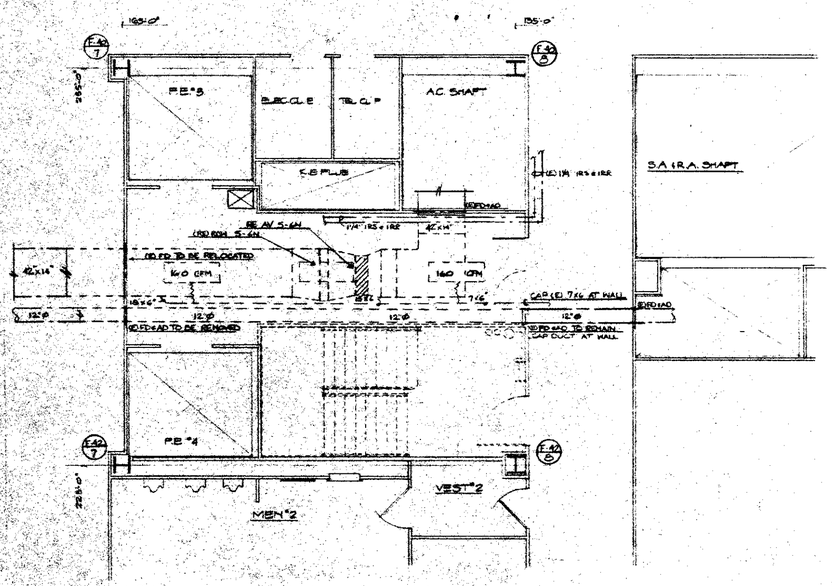
dwg. title:
5TH FLOOR
DUCTWORK PLANS

MSJ MEYER SEGNER & JONES P.C. MECHANICAL & ELECTRICAL ENGINEERS 370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8201

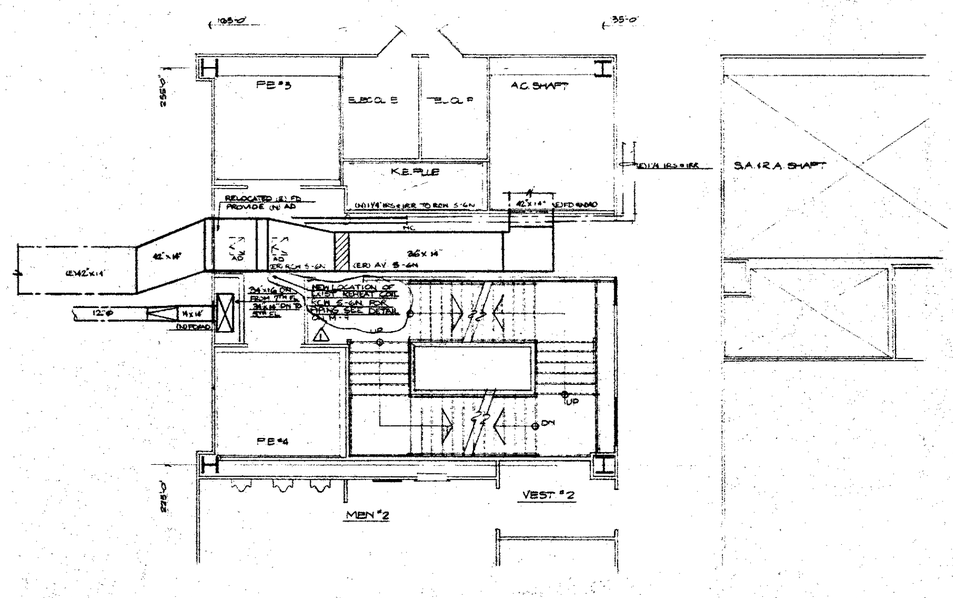
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS 370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8201

project 1930
scale 1/4" = 1'-0"
date 2.21.05

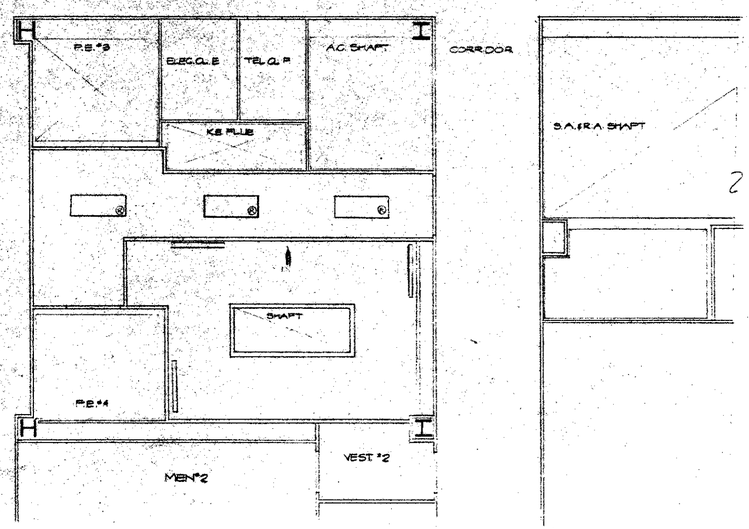
dwg no.
2 M 4



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	no.
2-21-04	SUBMITTED TO PA FOR REVIEW	
9-7-04	REVISED AS PER PA COMMENT	1
10-8-04	SUBMITTED TO PA FOR REVIEW	
11-4-04	SUBMITTED TO PA FOR REVIEW	

CEC
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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

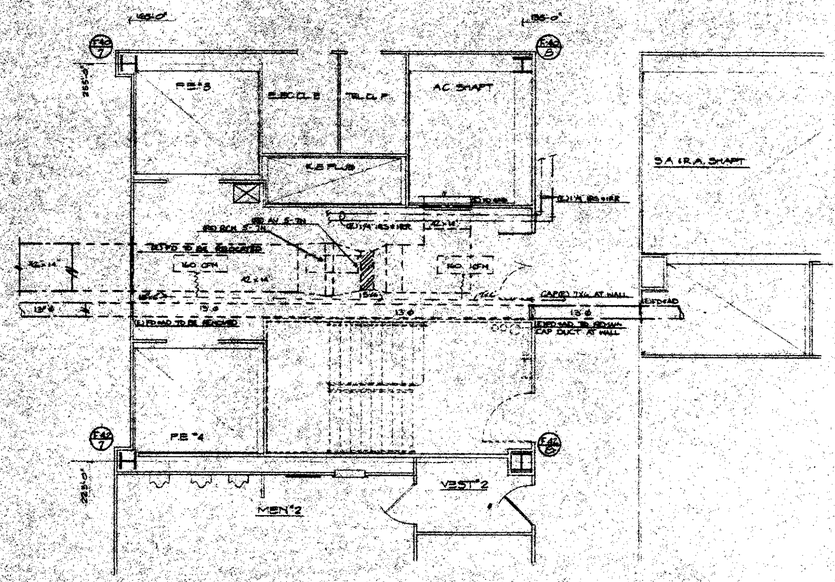
dwg. title:
6TH FLOOR
DUCTWOPK PLANS

MSJ MEYER, STRUM & JACOBS
MECHANICAL & ELECTRICAL ENGINEERS
NEW YORK, N.Y.

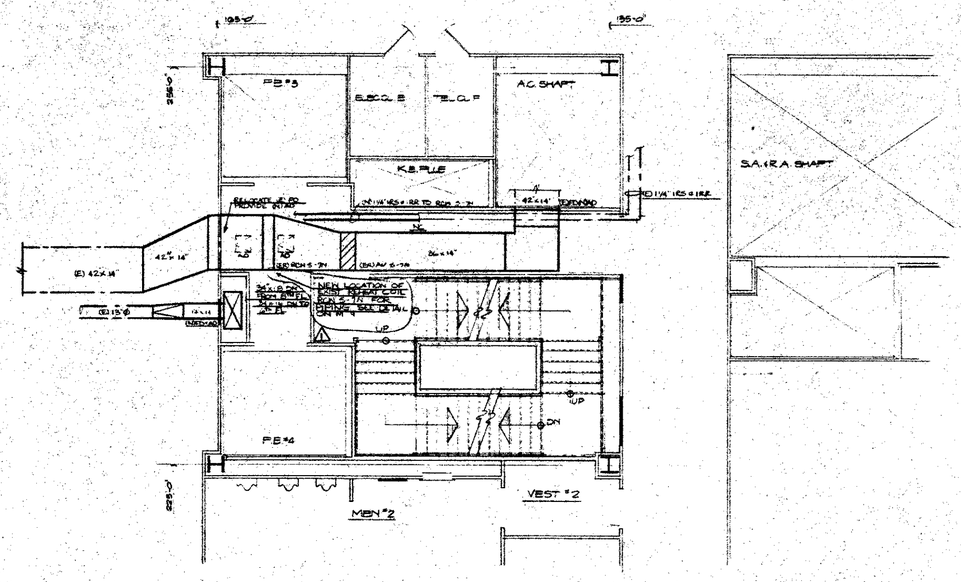
SOSSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695 8900

project 1930
scale 1/4"=1'-0"
date 2-21-04

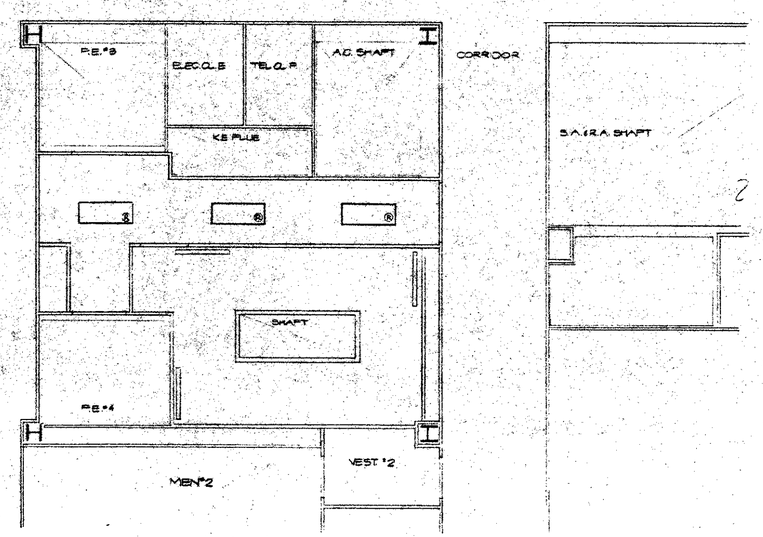
dwg no.
2M5



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

	REVISIONS
2.21.94	SUBMITTED TO PA FOR REVIEW
3.7.94	REVISED AS PER PA COMMENTS
7.8.94	SUBMITTED TO PA FOR REVIEW
11.16.94	SUBMITTED TO PA FOR REVIEW

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

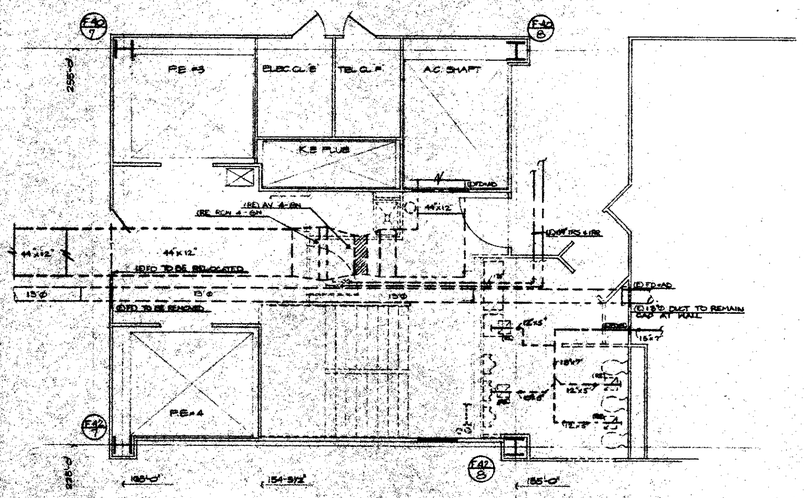
dwg. title:
7TH FLOOR
DUCTWORK PLANS

MEYER STRONG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS

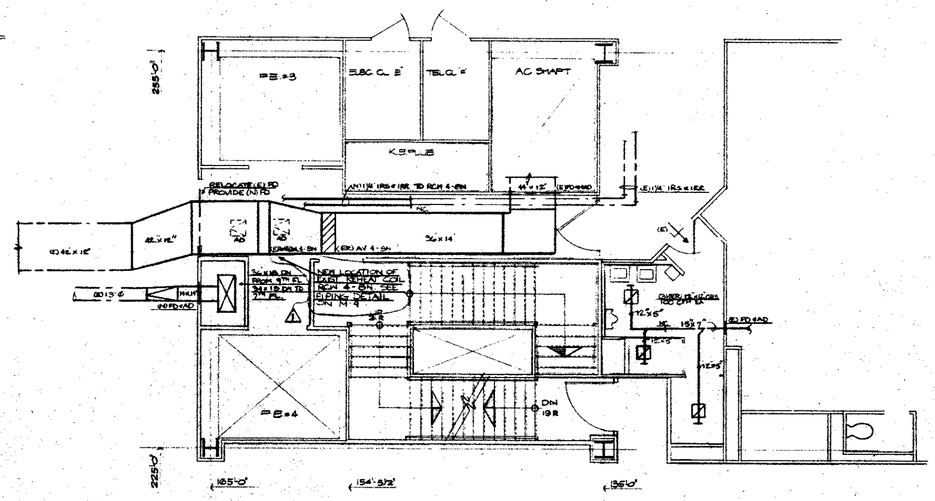
SONSIONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK NEW YORK 10001 (212) 868 8000

project 1930
scale 1/4"=1'-0"
date 2-21-94

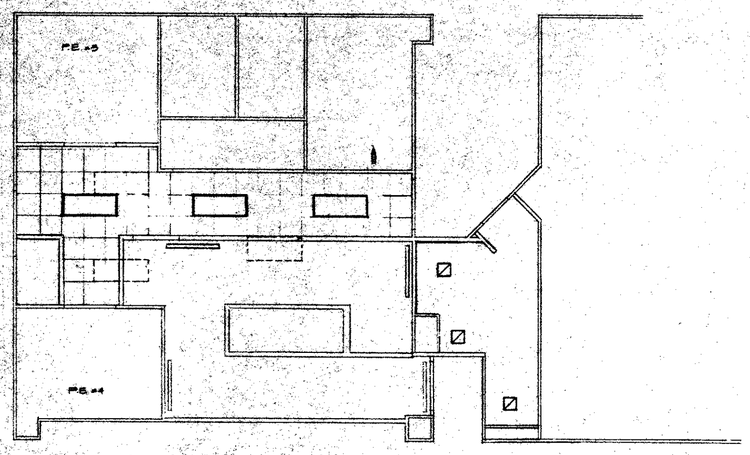
dwg no.
2 M 6



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	mm
2-21-94	SUBMITTED TO PA FOR REVIEW	
4-7-94	REVISED AS PER PA COMMENTS	1
10-6-94	SUBMITTED TO PA FOR REVIEW	
11-16-94	SUBMITTED TO PA FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

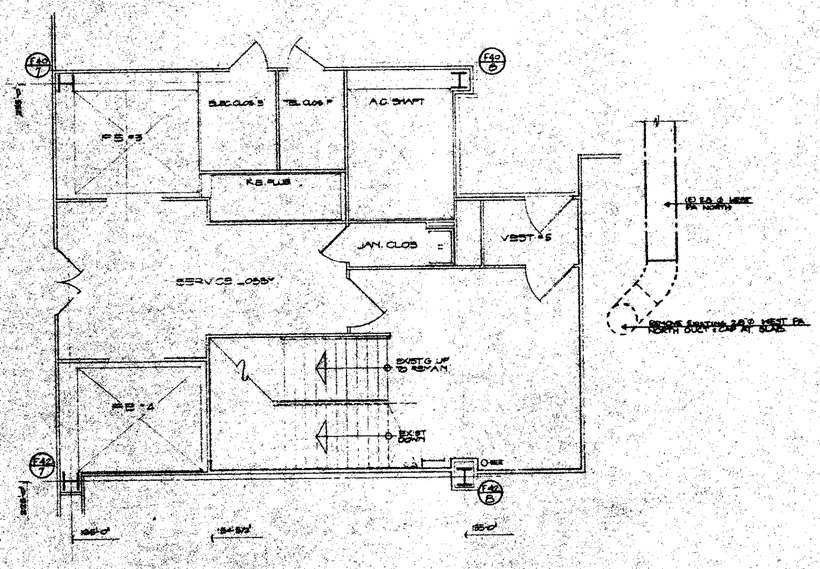
dwg. title:
8TH FLOOR
DUCTWORK PLANS

MSJ MEYER STRONG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS
270 MADISON AVE NEW YORK NY 10016

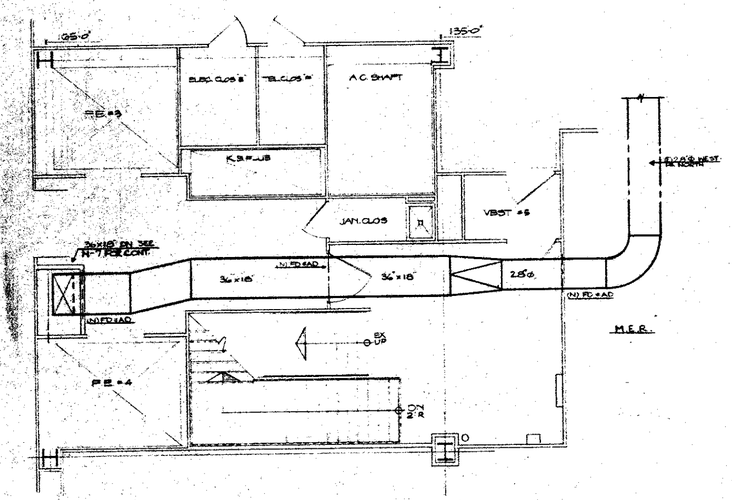
SONSIONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8900

project 1930
scale 1/4"=1'-0"
date 2-21-94

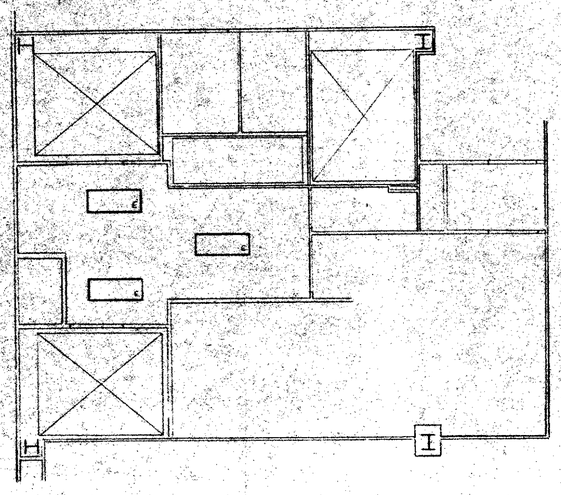
dwg. no.
2 M 7



DEMOLITION PLAN



CONSTRUCTION PLAN



REFLECTED CEILING PLAN

date	REVISIONS	no.
2-21-84	SUBMITTED TO PA FOR REVIEW	
10-5-84	SUBMITTED TO PA FOR REVIEW	
11-14-84	SUBMITTED TO PA FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

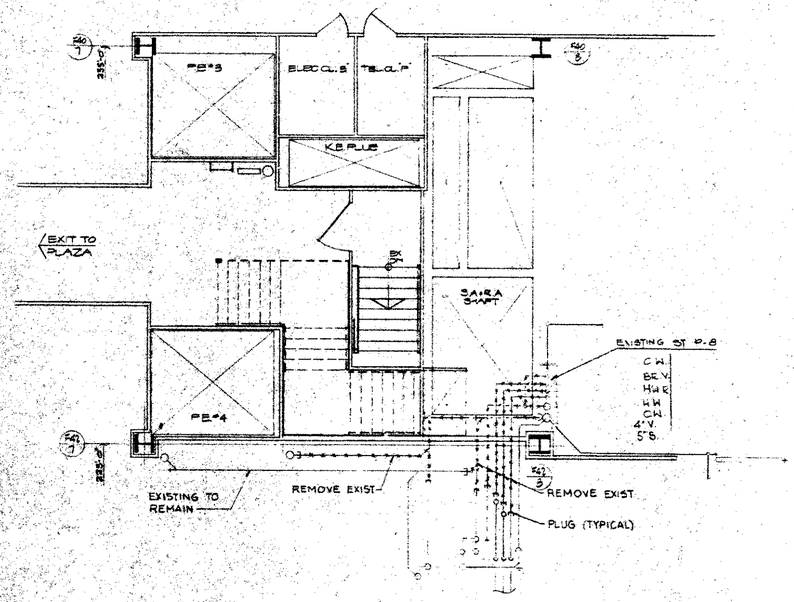
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
3TH FLOOR
DUCTWORK PLANS

MSJ METER SPIEGEL & JASEN P.C. MECHANICAL & ELECTRICAL ENGINEERS
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900

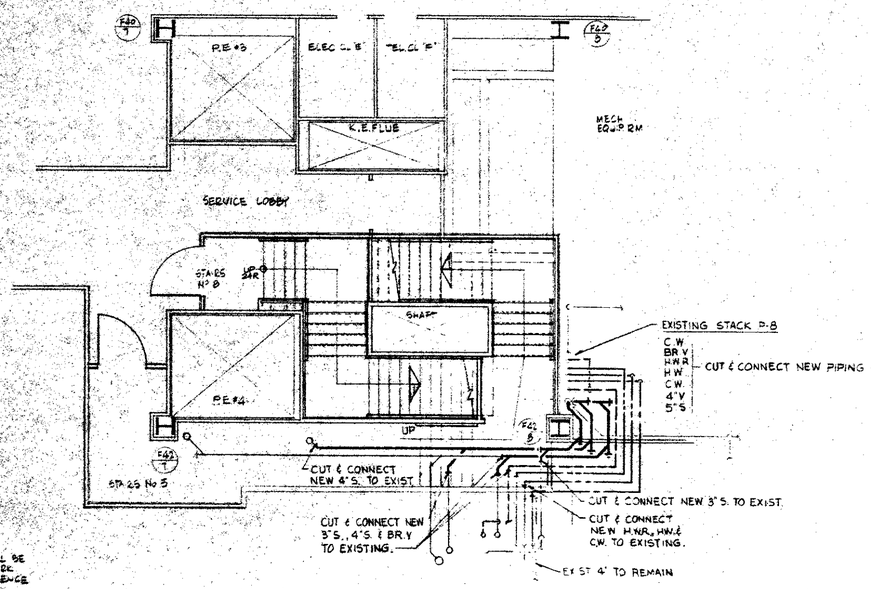
project 1930
scale 1/4"-1'-0"
date 2-21-84

dwg no.
2 M 8



DEMOLITION PLAN

SCALE ⅛" = 1'-0"



NOTE
PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH NEW YORK BUILDING CODE AND REFERENCE STANDARD RS-16

CONSTRUCTION PLAN

SCALE ⅛" = 1'-0"

NOTE
FOR SYMBOL LIST SEE DWG 1-0.1

date	REVISIONS	no.
2/21/84	SUBMITTED TO P.A. FOR REVIEW	
08-84	SUBMITTED TO P.A. FOR REVIEW	
11/6/84	SUBMITTED TO P.A. FOR REVIEW	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

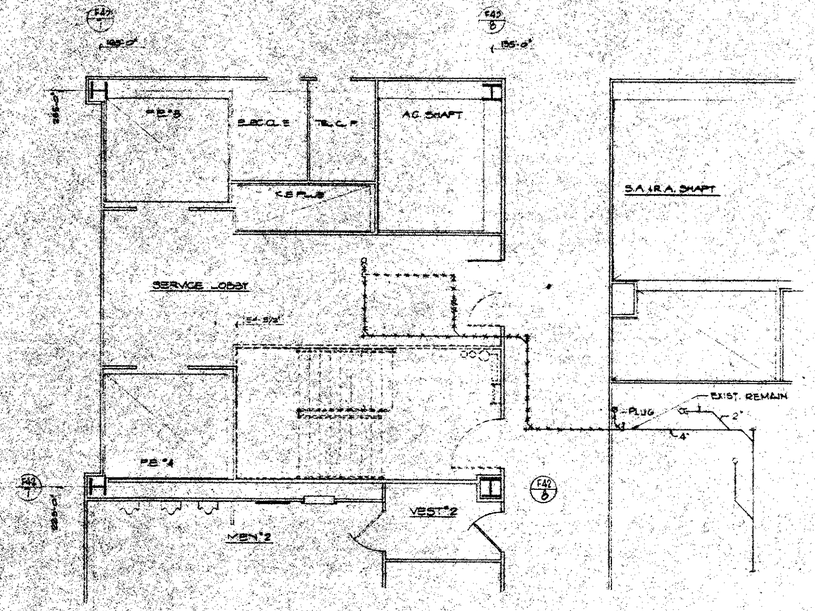
dwg. title:
PART PLANS
2-ND FLOOR
PLUMBING

MS&J MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE. NEW YORK, N.Y. 10017

SENSENIORE SERGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8900

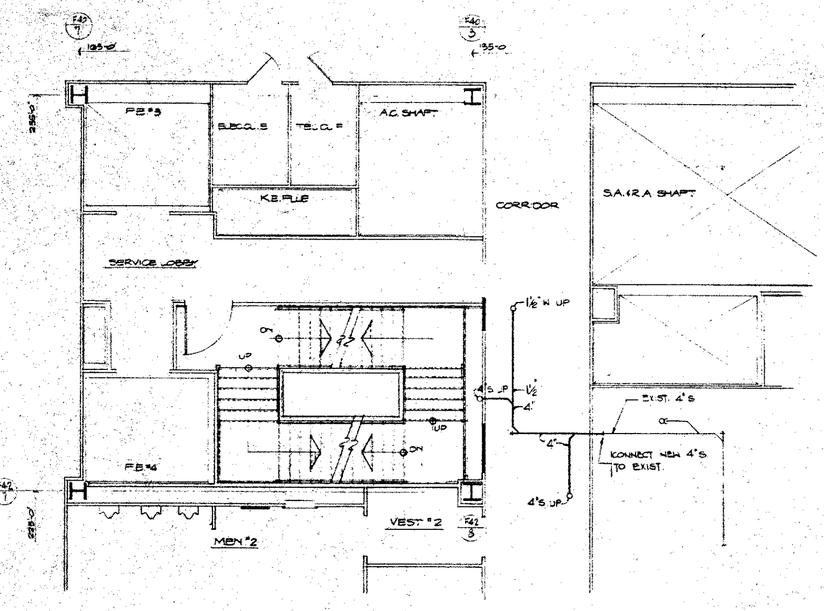
project 1930
scale 1/8" = 1'-0"
date 2/21, 84

dwg no.
2-P-1



DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



CONSTRUCTION PLAN

SCALE: 1/4" = 1'-0"

NOTE:
PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE AND REFERENCE STANDARD RS-16

NOTE:
FOR SYMBOL LIST SEE DWG. 1-0-1

date	REVISIONS
2/21/94	SUBMITTED TO P.A. FOR REVIEW
0-8-94	SUBMITTED TO P.A. FOR REVIEW
11-6-94	SUBMITTED TO P.A. FOR REVIEW

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COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2 AREA D

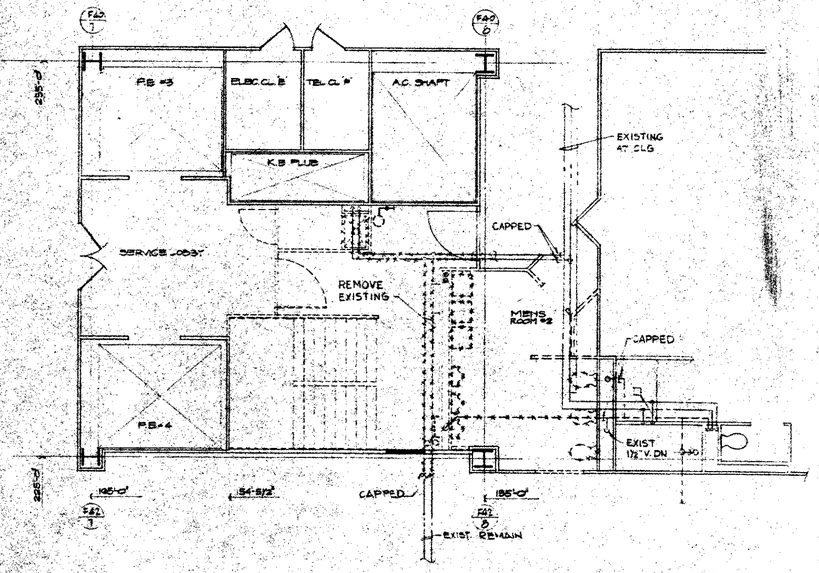
dwg. title:
PART PLANS
7-TH FLOOR
PLUMBING

MS&J MEYER STRONG & JONES P.C. MECHANICAL & ELECTRICAL ENGINEERS & PLANNERS

SONSIONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8000

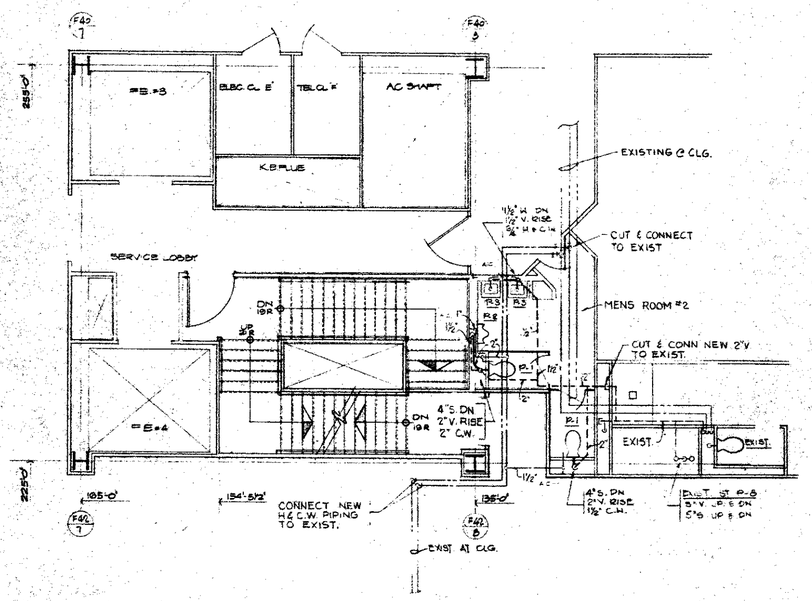
project 1930
scale 1/4"=1'-0"
date 2/21/94

dwg no
2-P-2



DEMOLITION PLAN

SCALE: ¼" = 1'-0"



CONSTRUCTION PLAN

SCALE: ¼" = 1'-0"

NOTE:
PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE AND REFERENCE STANDARD RS-16

NOTE
FOR SYMBOL ... SEE DWG P-0.2

date	REVISIONS
2/21/84	SUBMITTED TO P.A. FOR REVIEW
10-25-84	RESUBMITTED TO P.A. FOR REVIEW
11-16-84	SUBMITTED TO P.A. FOR REVISAL

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

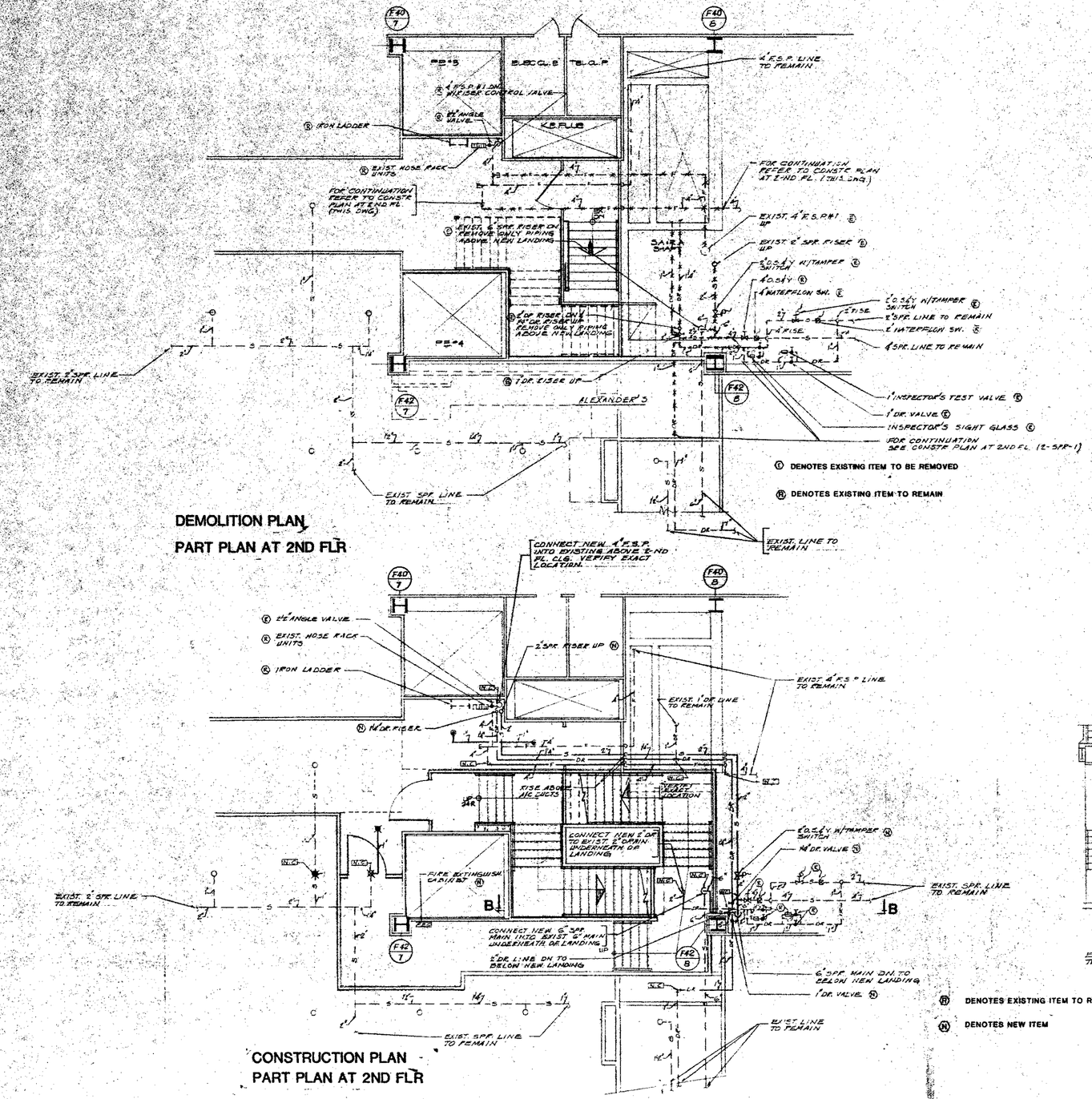
EGRESS UPGRADE
PHASE 2 AREA D

dwg. title:
PART PLANS
8-TH FLOOR
PLUMBING

project 1930
scale 1/4" = 1'-0"
date 12-21-84
dwg no. P-4

MS&J MEYER STRONG & JONES P.C. MECHANICAL & ELECTRICAL ENGINEERS
SONSIONORS BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

date	REVISIONS	no.
12/21/84	SUBMITTED TO P.A. FOR REVIEW	
1/16/84	SUBMITTED TO PA FOR REVIEW	
1/20/84	SUBMITTED TO P.A. FOR REVIEW	

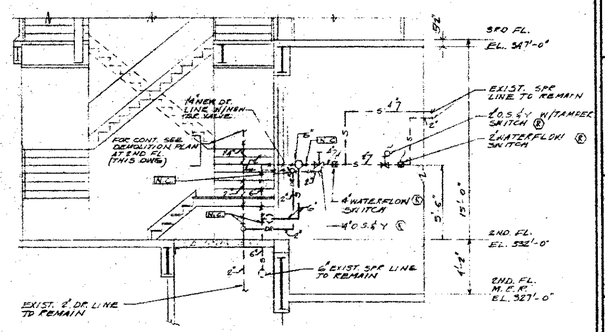


DEMOLITION PLAN
PART PLAN AT 2ND FLR

CONSTRUCTION PLAN
PART PLAN AT 2ND FLR

SPRINKLER LEGEND

- EXISTING LINE TO BE REMOVED
- EXISTING FIRE STANDPIPE LINE TO REMAIN
- EXISTING SPR. LINE TO REMAIN
- EXISTING DRAIN LINE TO REMAIN
- NEW FIRE STANDPIPE LINE
- NEW SPRINKLER LINE
- NEW DRAIN LINE
- CAP EXISTING LINE
- CONNECT NEW LINE TO EXISTING
- EXISTING SPR. HEAD TO REMAIN
- EXISTING SPR. HEAD TO BE REMOVED
- NEW SPR. HEAD TO MATCH EXISTING
- RELOCATED EXISTING SPR. HEAD
- NEW STANDARD UPRIGHT SPR. HEAD RELIABLE MODEL G4
- (R) EXISTING ITEM TO REMAIN
- (E) EXISTING ITEM TO BE REMOVED
- (N) NEW ITEM



SECTION B-B

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

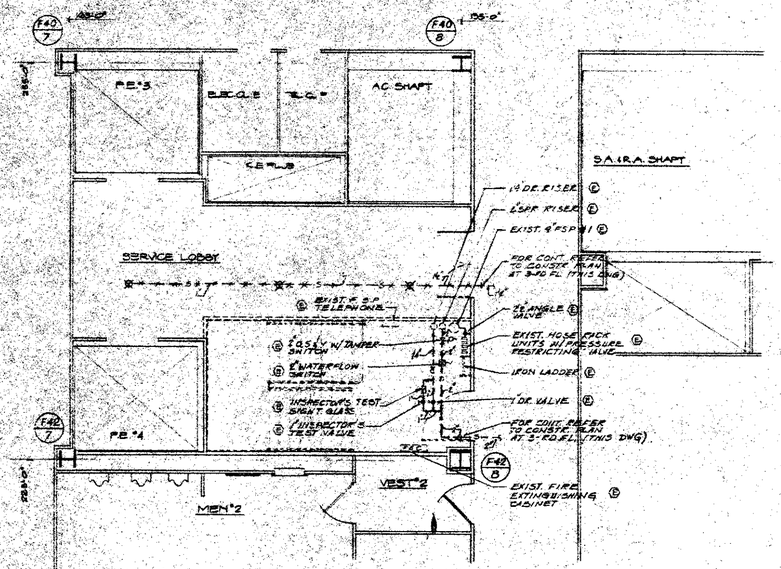
EGRESS UPGRADE
PHASE 2
AREA D

dwg. title:
PART PLANS
2-ND FLOOR
SPRINKLER

MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10169

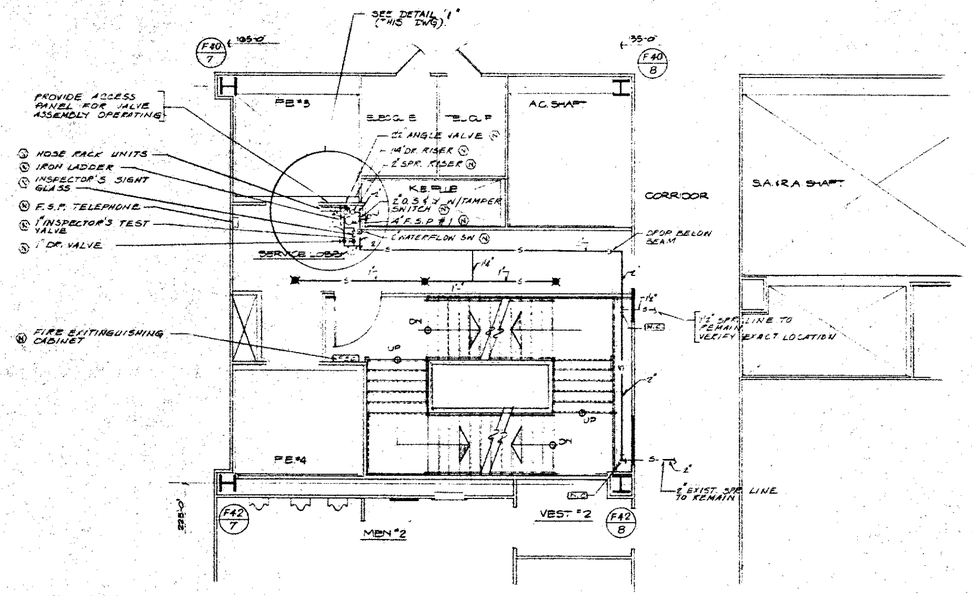
SONSONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8000

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no. 2-SPR-1



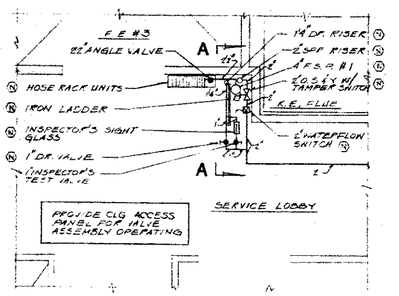
Ⓔ DENOTES EXISTING ITEM TO BE REMOVED

DEMOLITION PLAN
PART PLAN AT 3RD FLR



Ⓝ DENOTES NEW ITEM

CONSTRUCTION PLAN
PART PLAN AT 3RD FLR



TYPICAL DETAIL 1
SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
FLOORS 3-RD THRU 9-TH
STAIR #5 &#8

SCALE 1/2"-1'-0"

SECTION A-A

SCALE 1/2"-1'-0"

Ⓝ DENOTES NEW ITEM

NOTE
FOR SPR. LEGEND REFER TO DWG 2-SPR-1 (PHASE 2)

date	REVISIONS	no.
2/21/64	SUBMITTED TO P.A. FOR REVIEW.	
9/8/64	SUBMITTED TO P.A. FOR REVIEW.	
11/4/64	SUBMITTED TO P.A. FOR REVIEW.	

CEC
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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

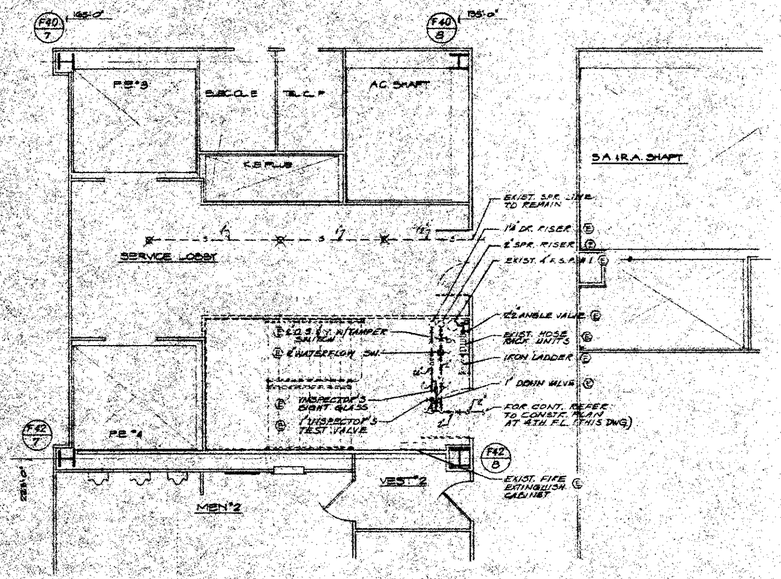
EGRESS UPGRADE
PHASE 2
AREA D

dwg. title:
PART PLANS
3-RD FLOOR
SPRINKLER

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10017

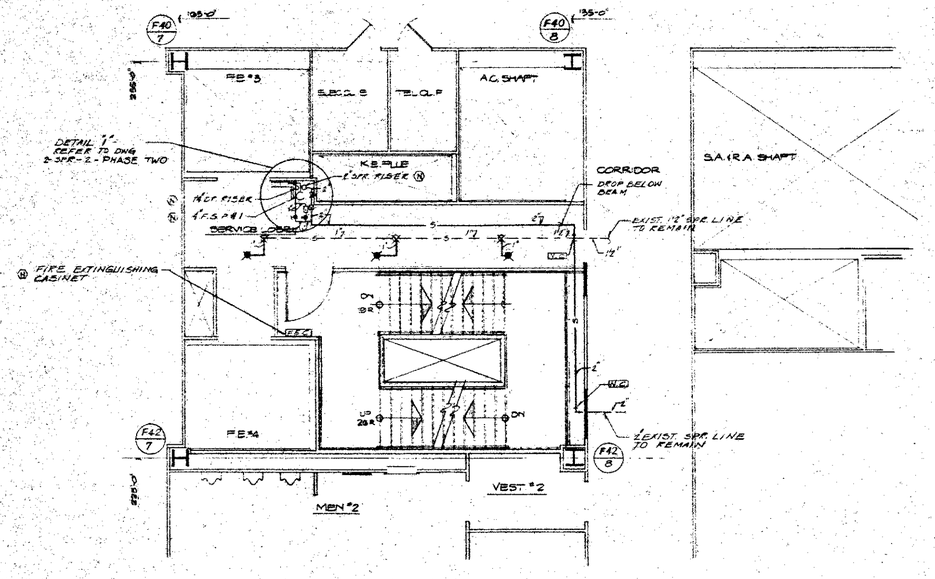
SONSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-8800

project 1930
scale 1/4"-1'-0"
date 2-21-64
dwg no. 2-SPR-2



Ⓔ DENOTES EXISTING ITEM TO BE REMOVED

DEMOLITION PLAN
PART PLAN AT 4TH FLR



Ⓝ DENOTES NEW ITEM

CONSTRUCTION PLAN
PART PLAN AT 4TH FLR

NOTE
FOR SPR. LEGEND REFER TO
DWG 2-SPR-1 (PHASE 2)

date	REVISIONS	no.
4/21/84	SUBMITTED TO P.A. FOR REVIEW	
7/16/84	SUBMITTED TO P.A. FOR REVIEW.	
11/16/84	SUBMITTED TO P.A. FOR REVIEW.	

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NEW YORK, NEW YORK 10048

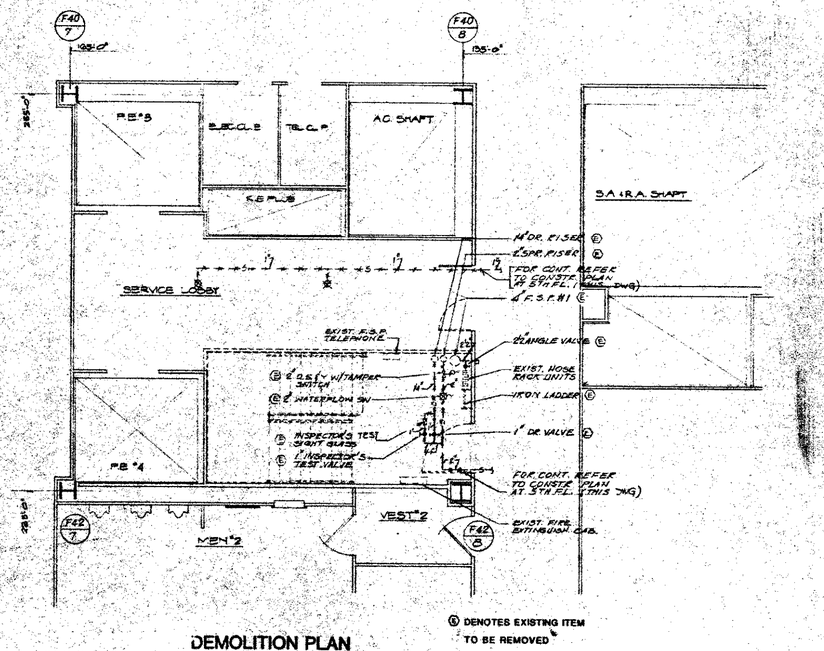
EGRESS UPGRADE
PHASE 2
AREA D

dwg. title:
PART PLANS
4-TH FLOOR
SPRINKLER

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no. 2-SPR-3

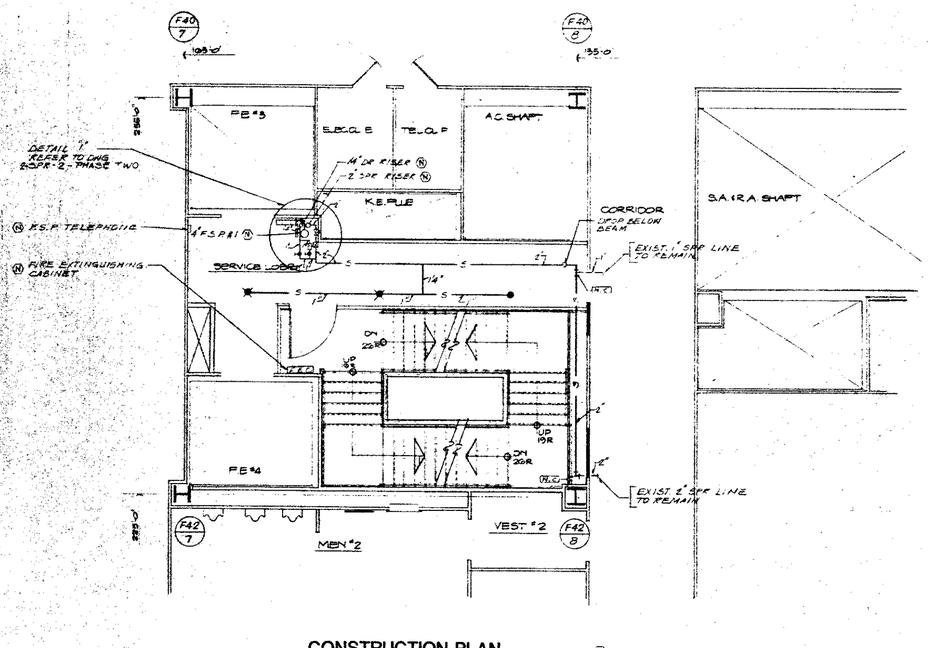
M.S.J. MEYER, STRONG & JONES, P.C. MECHANICAL AND FIRE PROTECTION ENGINEERS

SOMMONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8200



Ⓔ DENOTES EXISTING ITEM TO BE REMOVED

DEMOLITION PLAN
PART PLAN AT 5TH FLR



CONSTRUCTION PLAN
PART PLAN AT 5TH FLR

Ⓝ DENOTES NEW ITEM

NOTE
FOR SPR. LEGEND REFER TO
DWG 2-SPR-1 (PHASE 2)

date	REVISIONS	no.
1/11/84	SUBMITTED TO P.A. FOR REVIEW	
1-1/84	SUBMITTED TO P.A. FOR REVISION.	
11/14/84	SUBMITTED TO P.A. FOR REVIEW	

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NEW YORK, NEW YORK 10048

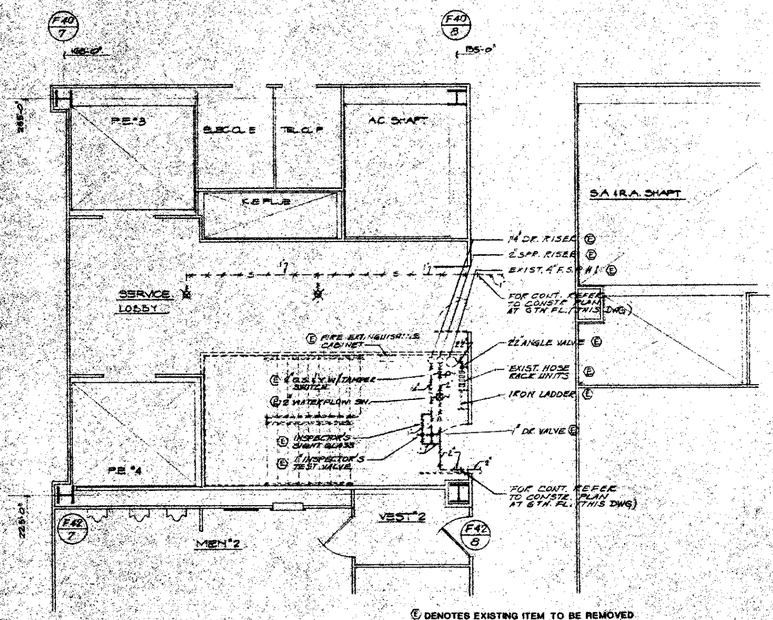
EGRESS UPGRADE
PHASE 2
AREA D

dwg. title:
PART PLANS
5-TH FLOOR
SPRINKLER

MEYER STAUNG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS
370 SEVENTH AVE. NEW YORK, N.Y. 10001

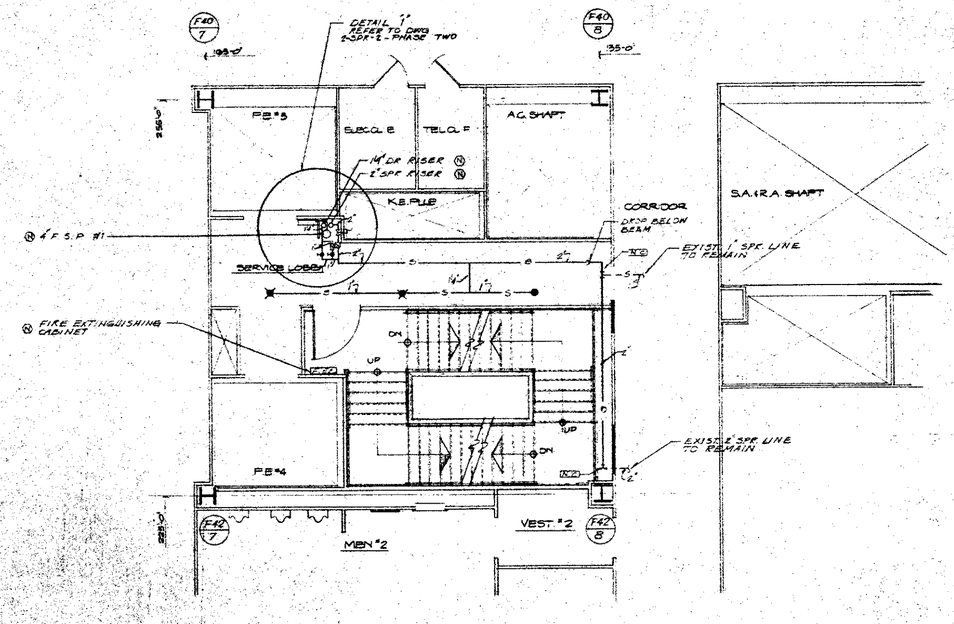
SCHIENDORF BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no. 2-SPR-4



E DENOTES EXISTING ITEM TO BE REMOVED

DEMOLITION PLAN
PART PLAN AT 6TH FLR



N DENOTES NEW ITEM

CONSTRUCTION PLAN
PART PLAN AT 6TH FLR

NOTE
FOR SPR. LEGEND REFER TO
DWG 2-SPR-1 (PHASE 2)

dates	REVISIONS	no.
2/24/84	SUBMITTED TO P.A. FOR REVIEW	
6/18/84	SUBMITTED TO P.A. FOR REVIEW.	
11/14/84	SUBMITTED TO P.A. FOR REVIEW	

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NEW YORK, NEW YORK 10048

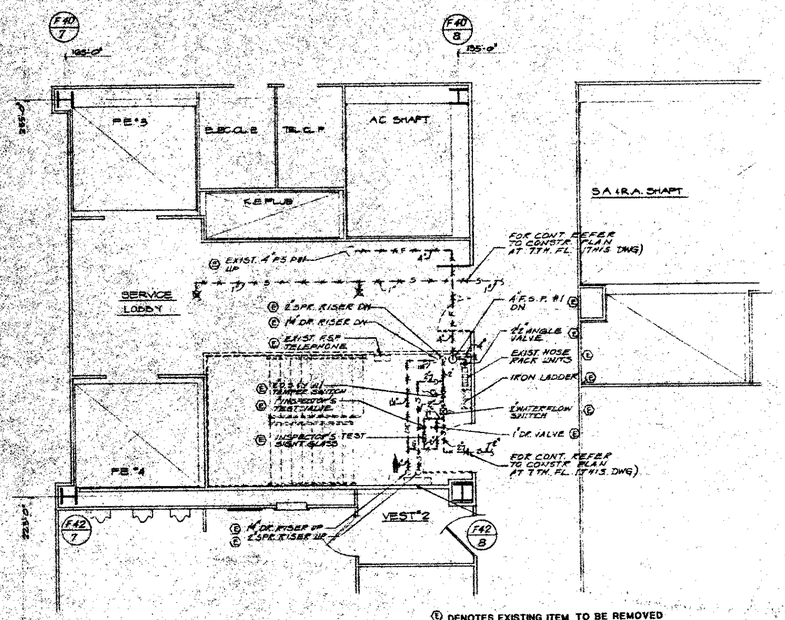
EGRESS UPGRADE
PHASE 2
AREA D

dwg. title:
PART PLANS
6-TH FLOOR
SPRINKLER

MS&J MEYER STRONG & JONES P.C.
MECHANICAL & ELECTRICAL ENGINEERS
270 PARK AVE NEW YORK N.Y. 10017

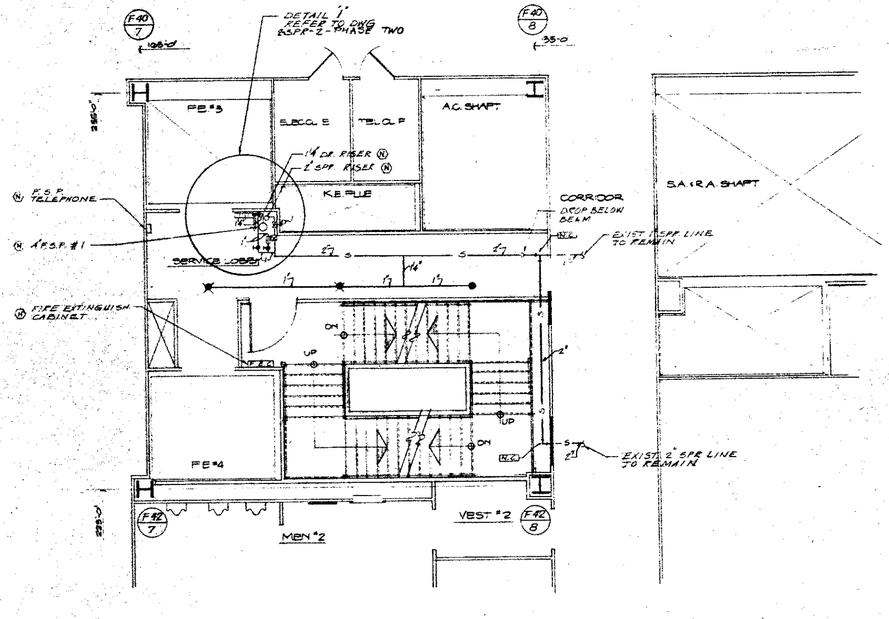
SONSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK NEW YORK 10001 (212) 868 8900

project 1930
scale 1/4"-1'-0"
date 2-21-84
dwg no. 2-SPR-5



DEMOLITION PLAN
PART PLAN AT 7TH FLR

Ⓔ DENOTES EXISTING ITEM TO BE REMOVED



CONSTRUCTION PLAN
PART PLAN AT 7TH FLR

Ⓝ DENOTES NEW ITEM

NOTE.
FOR SPR. LEGEND REFER TO
DWG 2-SPR-1 (PHASE 2)

date	REVISIONS	no.
7/30/84	SUBMITTED TO P.A. FOR REVIEW.	
10/4/84	SUBMITTED TO P.A FOR REVIEW	
11/6/84	SUBMITTED TO P.A. FOR REVIEW	

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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2
AREA D

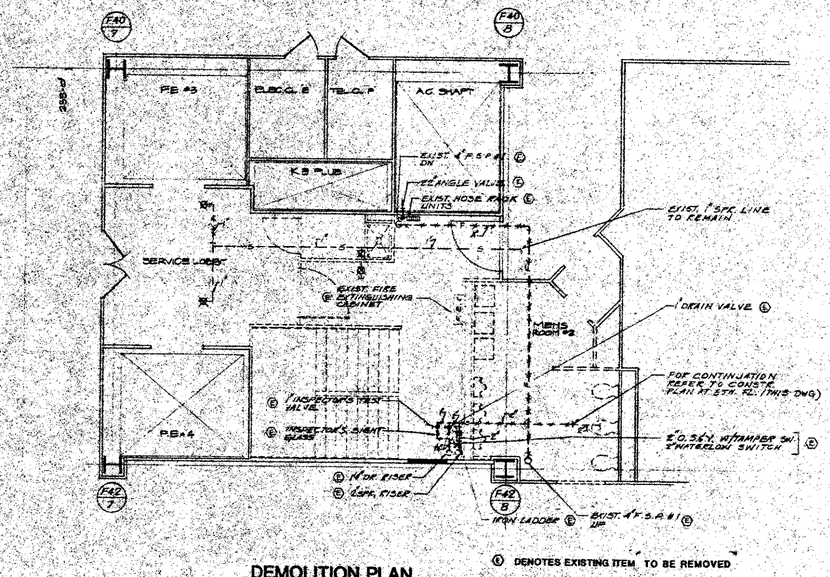
dwg. title:
PART PLANS
7-TH FLOOR
SPRINKLER

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE. NEW YORK N.Y. 10169

BONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-8800

project 1930
scale 1/4"-1'-0"
date 2-21-84

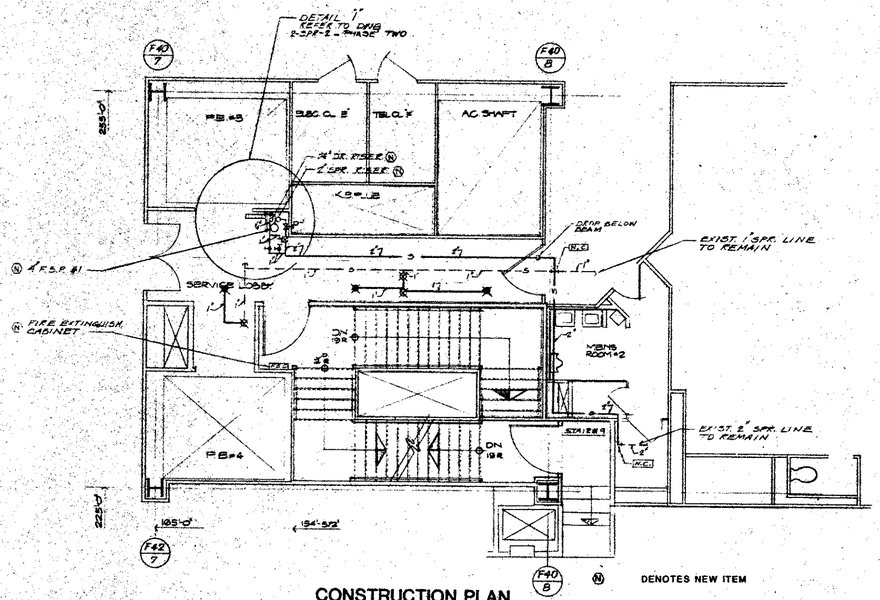
dwg no.
2-SPR-6



DEMOLITION PLAN

PART PLAN AT 8TH FLR

(E) DENOTES EXISTING ITEM TO BE REMOVED



CONSTRUCTION PLAN

PART PLAN AT 8TH FLR

(N) DENOTES NEW ITEM

NOTE

FOR SPR. LEGEND REFER TO

DWG 2-SPR-1 (PHASE 2)

date	REVISIONS	no.
2/1/84	SUBMITTED TO P.A. FOR REVIEW	
4/16/84	SUBMITTED TO P.A. FOR REVIEW.	
11/12/84	SUBMITTED TO P.A. FOR REVIEW	

CEC

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2"
AREA D

dwg. title:

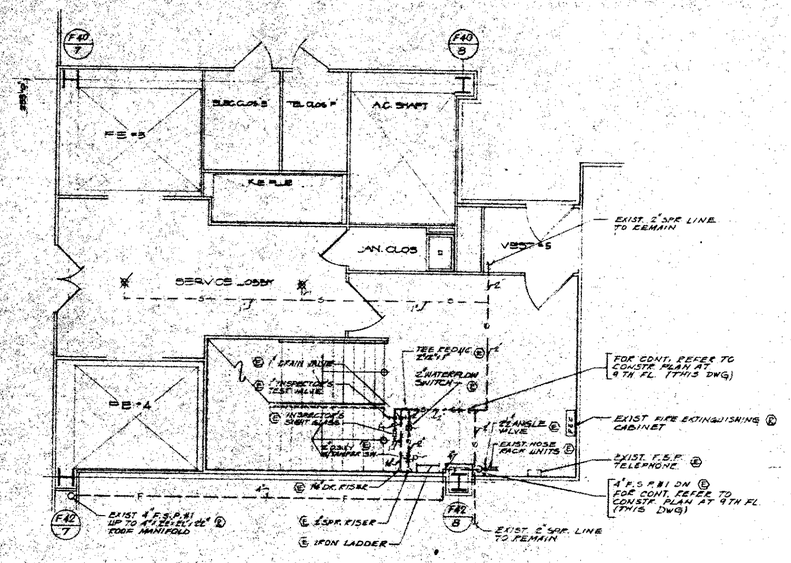
PART PLANS
8-TH FLOOR
SPRINKLER

project 1930
scale 1/4"-1'-0"
date 2-21-84

dwg no.
2-SPR-7

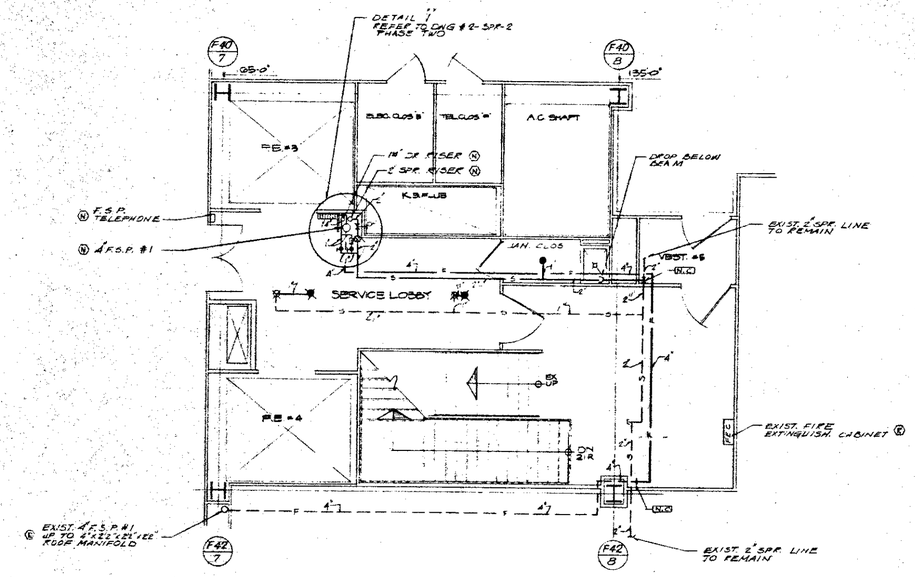
MSJ MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10169

SONSONORE SRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900



Ⓔ DENOTES EXISTING ITEM TO BE REMOVED

DEMOLITION PLAN 9TH FLOOR



CONSTRUCTION PLAN 9TH FLOOR

Ⓝ DENOTES NEW ITEM

Ⓡ DENOTES EXISTING ITEM TO REMAIN

NOTE
FOR SPR. LEGEND REFER TO
DWG 2-SPR-1 (PHASE 2)

REVISIONS

date	
2/10/84	SUBMITTED TO [illegible] FOR REVIEW
4/84	SUBMITTED TO [illegible] FOR REVIEW
7/84	SUBMITTED TO [illegible] FOR REVIEW

CEC
COMMODITIES EXCHANGE CENTER, INC.
ONE [illegible] WORLD TRADE CENTER
NEW YORK, NEW YORK [illegible]

EGRESS UPGRADE
PHASE 2
AREA D

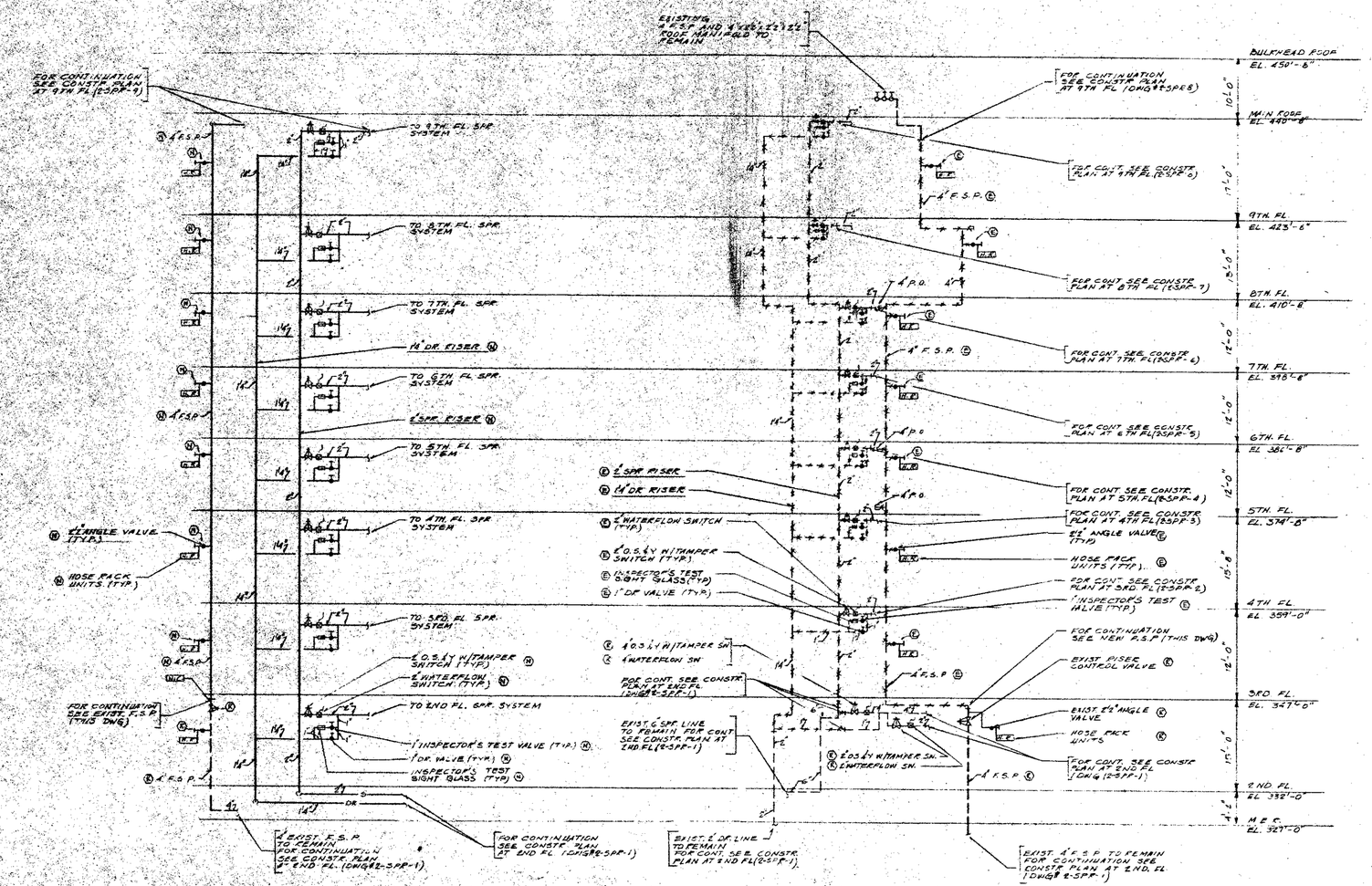
dwg. title:
PARTIAL PLANS
9TH FLOOR
SPRINKLER

MSJ MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
[illegible] PARK AVE. NEW YORK, N.Y. [illegible]

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8200

project: 3930
scale: 1/4"=1'-0"
date: 3-21-84

2-3-3



(R) – DENOTES EXISTING ITEM TO REMAIN

(N) – DENOTES NEW ITEM

(E) – DENOTES EXISTING ITEM TO BE REMOVED

NEW RISERS

EXISTING RISERS

NOTE

FOR SPR. LEGEND REFER TO DWG 2-GPR-1 (PHASE 2)

FIRE STANDPIPE AND SPRINKLER RISER DIAGRAMS

N.T.S.

date	REVISIONS	no.
4/18/84	SUBMITTED TO P.A. FOR REVIEW.	
7/6/84	SUBMITTED TO P.A. FOR REVIEW.	
11/16/84	SUBMITTED TO P.A. FOR REVIEW	

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COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 2
AREA D

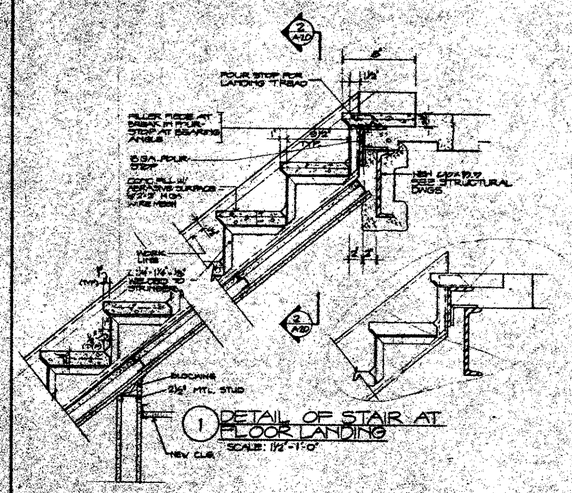
dwg. title:
FIRE STANDPIPE AND SPRINKLER RISER DIAGRAMS

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, NY 10169

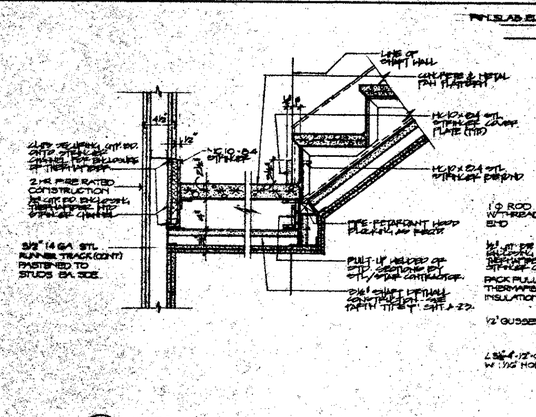
SONSENDORF BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

project 1930
scale N.T.S.
date 2-21-84

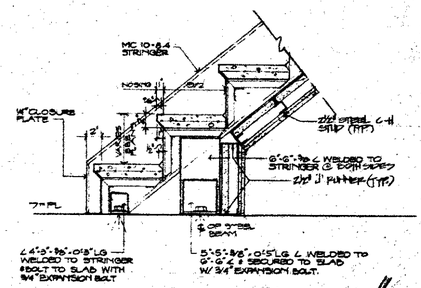
dwg no.
2-SPR-9



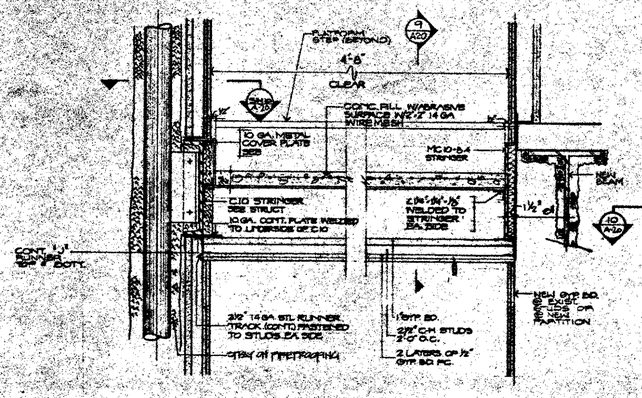
1 DETAIL OF STAIR AT FLOOR LANDING
SCALE: 1½"=1'-0"

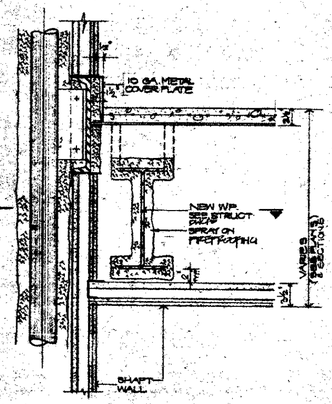


3A DETAIL
SCALE: 3"=1'-0"

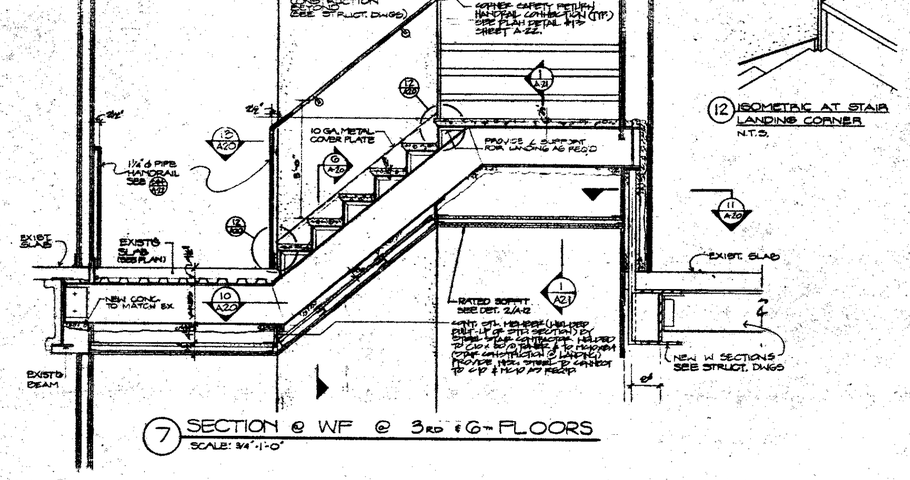


4 STAIR DETAIL
SCALE: 1½"=1'-0"

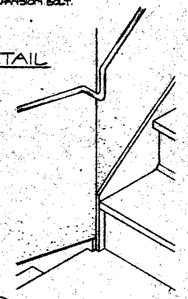




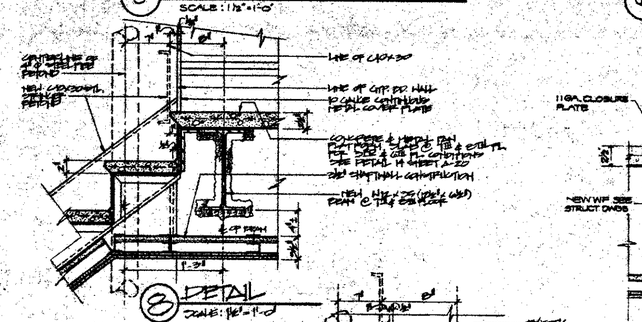
6 SECTION thru WF @ 3RD, 6TH
SCALE: 1½"=1'-0"



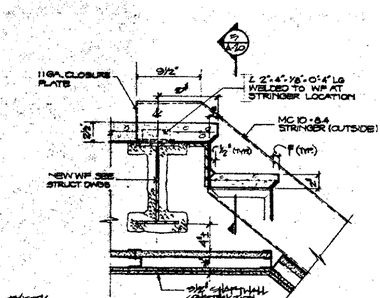
7 SECTION @ WF @ 3RD & 6TH FLOORS
SCALE: ¾"=1'-0"



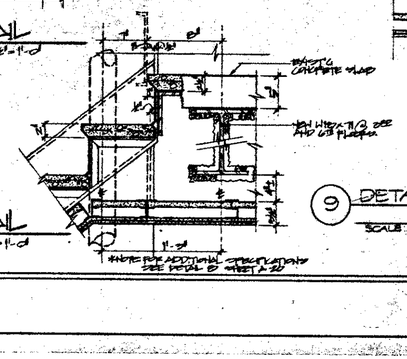
12 ISOMETRIC AT STAIR LANDING CORNER
N.T.S.



5 DETAILS OF STRINGER @ WALL
SCALE: 1½"=1'-0"

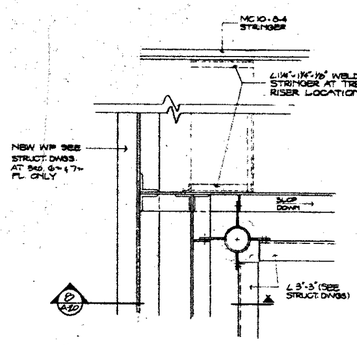


8 DETAIL
SCALE: 1½"=1'-0"



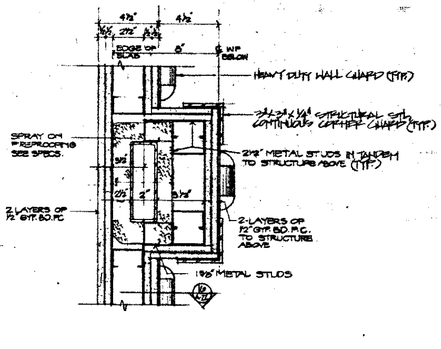
14 DETAIL
SCALE: 1½"=1'-0"

9 DETAIL @ WF & STRINGER 7TH & 8TH FLOORS
SCALE: 1½"=1'-0"



10 PLAN SECTION OF TOWER
SCALE: 1½"=1'-0"

13 SECT. ABOVE STAIR
1½"=1'-0"



11 SECT'N thru STRUCTURAL TUBE
3"=1'-0"

date	REVISIONS	no.
2/21/84	submitted to port authority for review	
4/7/84	revised to comply with P.A. comments	1
10/8/84	submitted to port authority for review	
11/16/84	submitted to P.A. for rev. 2 w/ general rev. signs to comply w/ P.A. comments	2

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

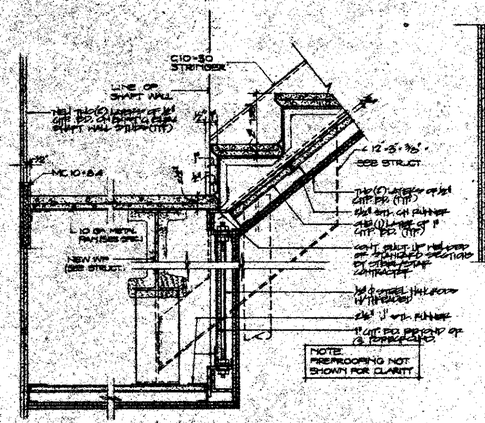
EGRESS UPGRADE
PHASE 1&2

DRWG TITLE:
STAIR SECTIONS & DETAILS

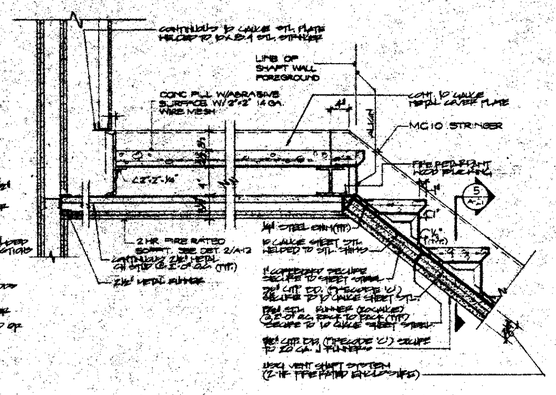
SCHNEIDER BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-6600

project no.
scale As Noted
date 2/21/84

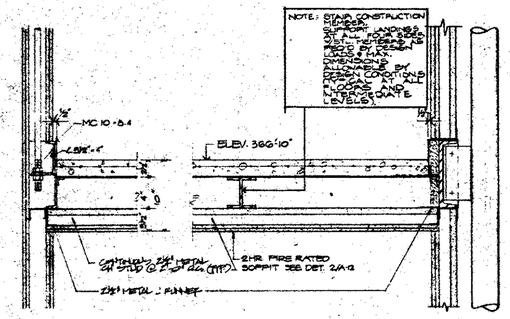
dwg no.
A-20



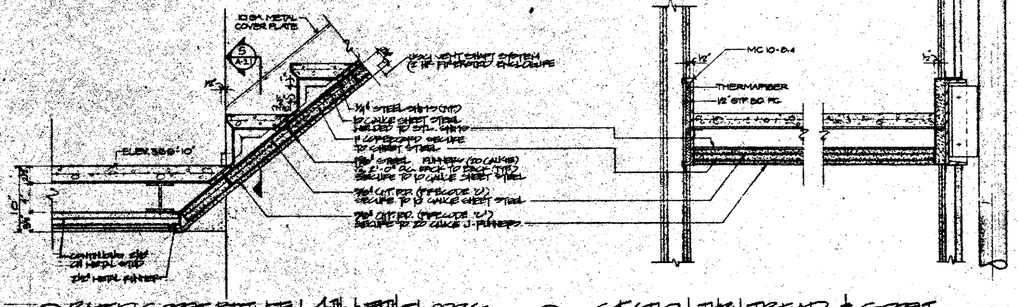
1 DETAIL @ 6th FLOOR
SCALE: 1½"=1'-0" ELEV. 372'-7½"



2 INTERMEDIATE LANDING
ELEV: 366'-10"
SCALE: 1½"=1'-0"

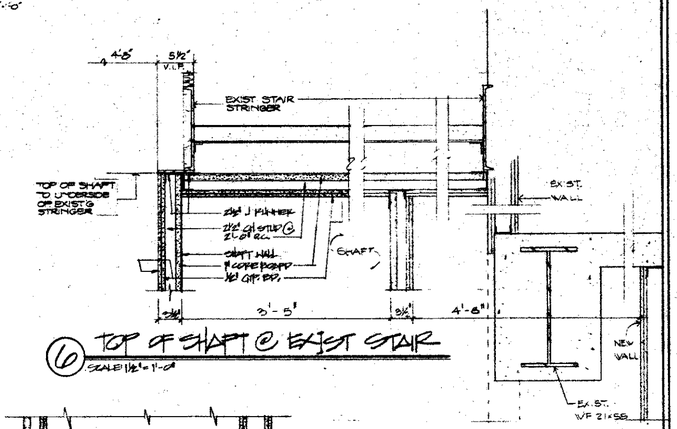


3 SECTION thru LANDING
ELEV 366'-5"
SCALE: 1½"=1'-0"

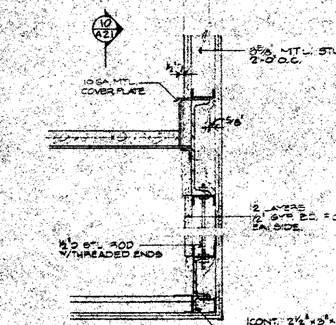


4 RATED SOFFIT BETWEEN 4th & 5th FLOORS
SCALE: 1½"=1'-0"

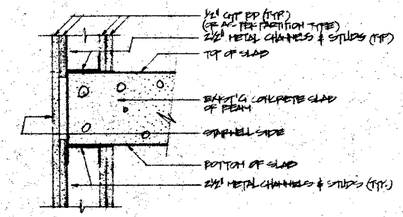
5 SECTION THRU TREAD & SOFFIT
SCALE: 1½"=1'-0"



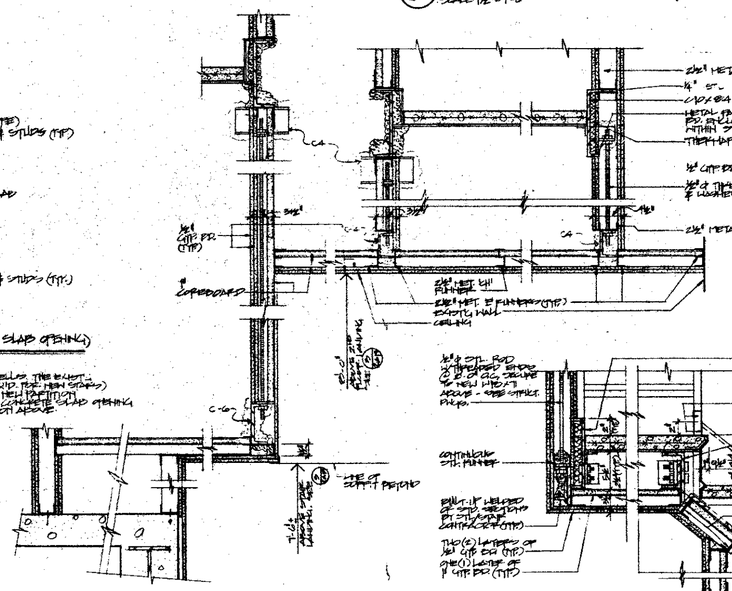
6 TOP OF SHAFT @ EXIST STAIR
SCALE: 1½"=1'-0"



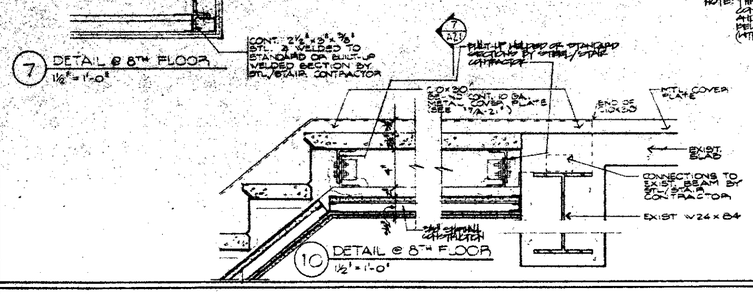
7 DETAIL @ 8th FLOOR
1½"=1'-0"



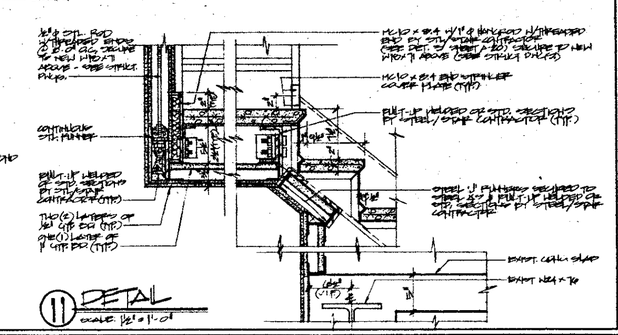
8 TYPICAL SECTH @ SPANDRELL SLAB OPENING
SCALE: 3"=1'-0"
NOTE: THIS CONDITION = TYPICAL @ SPANDRELLS. THE HEIGHT OF CONCRETE SLAB IS REQUIRED (AS REQUIRED FOR HIGH STAIRS) AND ONE (1) LAYER OF GYP BD AT THE NEW PARTITION BELOW ET. (ALIGNED THE FACE OF THE CONCRETE SLAB OPENING (WITHIN SPANDRELL) TO THE NEW PARTITION ABOVE



9 DETAIL @ SHAFT BOTTOM
1½"=1'-0"



10 DETAIL @ 8TH FLOOR
1½"=1'-0"



11 DETAIL
SCALE: 1½"=1'-0"

date	REVISIONS	no.
12/20/04	SUBMITTED TO DEP AUTHORITY FOR REVIEW	
9-7-05	RESUBMITTED TO COMPLY W/ DEP COMMENTS	1
10/19/05	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/14/05	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY W/ P.A. COMMENTS	2

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
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EGRESS UPGRADE
PHASE 1&2

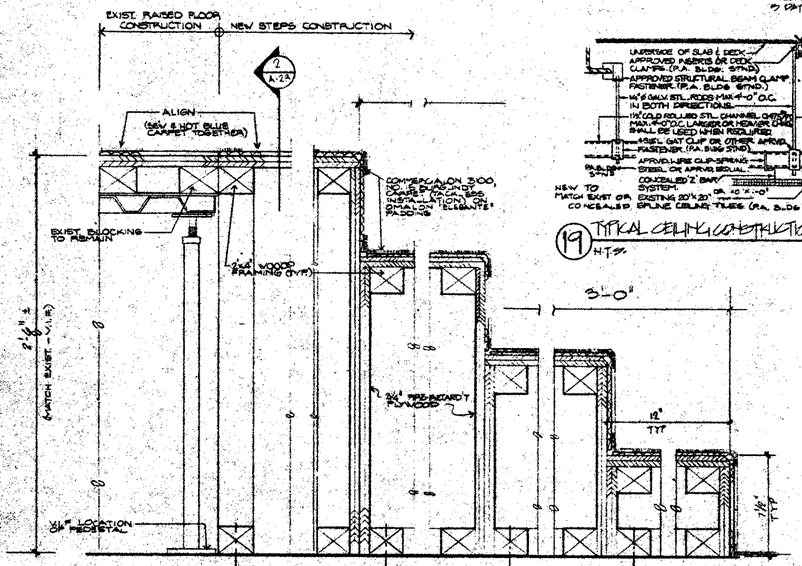
STAIR SECTIONS & DETAILS

SONSINORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

project 1750
scale AS NOTED
date 2/14/05

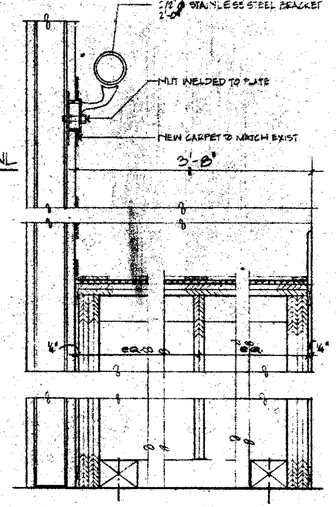
dwg no. A-21

NOTE: ALL PIECES & ITEMS AT HEADWALL EXISTING WALLS SHALL BE CHECKED AS TO THEIR FINE FITTING, WHEN OPERATING, SHALL BE COMPATIBLE TO NEW DOORWAY WALL FRAMEWORK & AS ACCORDANCE WITH CODES & ITS REQUIREMENTS. REPLACE EXISTING DOORS & FRAMES AS REQUIRED WITH NEW DOORS & FRAMES FOR PROPER PRESENTING.
CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT TO ARCHITECT 5 DAYS PRIOR TO BID SUBMISSIONS.

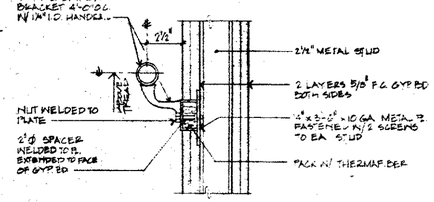


1 SECTION OF STAIRS @ EXPANSION ZOOM

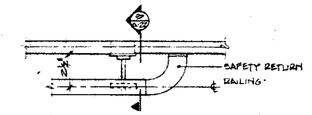
19 TYPICAL CEILING CONSTRUCTION DETAIL
N.T.S.



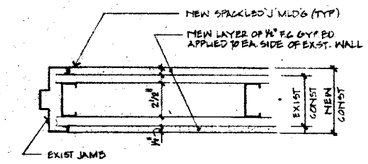
2 SECTION



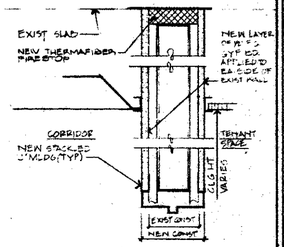
3 HANDRAIL DETAIL
SCALE: 3"=1'-0"



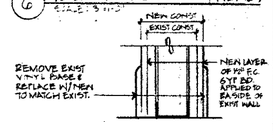
4 HANDRAIL RETURN
SCALE: 3"=1'-0"



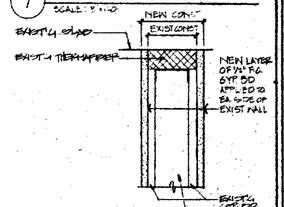
5 WALL DETAIL @ DOOR (JAMB)
SCALE: 3"=1'-0"



6 WALL DETAIL @ DOOR (HEAD)
SCALE: 3"=1'-0"

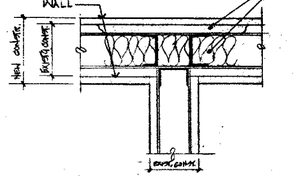


7 WALL DETAIL @ BASE
SCALE: 3"=1'-0"

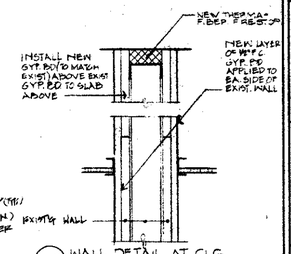


8 WALL DETAIL @ CEILING
SCALE: 3"=1'-0"
2 1/2" FIRE RATED PARTITION

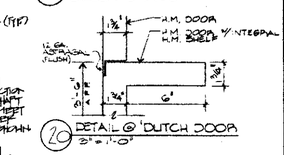
REMOVE PORTION OF GYP BD (AS REQ'D) FOR ENTIRE HT. OF EXIST'G PARTITION & PACK W/ SOUND THERMA FIBER TO SLAB ABOVE. RE-INSTALL GYP. BD. & MATCH EXISTS.



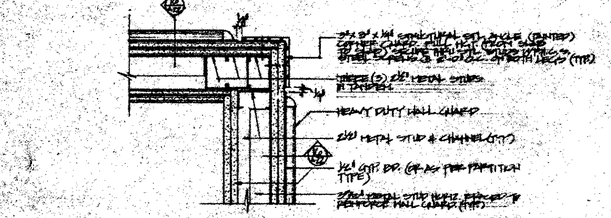
9 WALL DETAIL
SCALE: 3"=1'-0"



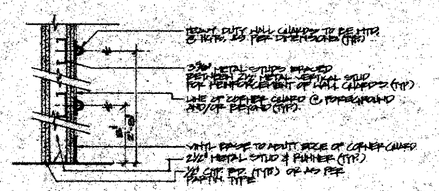
10 WALL DETAIL AT CLG.
SCALE: 3"=1'-0"



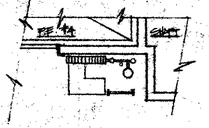
10 DETAIL @ 'DUTCH DOOR'
3"=1'-0"



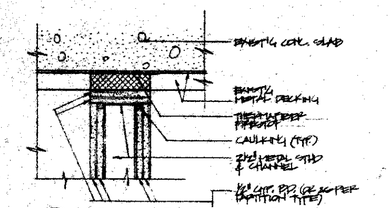
15 SECTN. @ CORNER GUARD OF PARTITION (TYP.)
SCALE: 3"=1'-0"
(GUARDS 3, CORRIDORS OUTSIDE OF SUITE #'S 9 & 10 FLOORS 2, 3, 4, 5, 7, 8 & 9. SEE NOTE 8



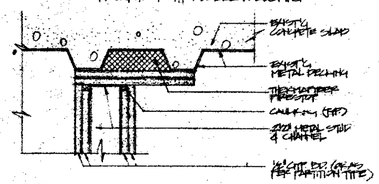
16 SECTN THRU PARTN. & WALL GUARDS (TYP.)
SCALE: 1 1/2"=1'-0"



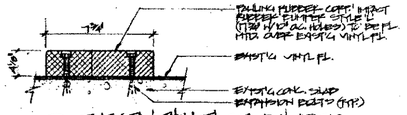
17 PLAN OF HOSE RACK & FL. BUMPER (TYP.)
SCALE: 1 1/2"=1'-0"



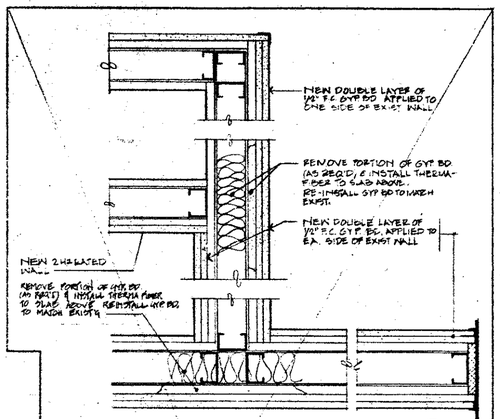
13 PARTITION PERPENDICULAR TO METAL DECK (TYP.)
SCALE: 3"=1'-0"
NOTE: FOR 1 HR. FIRE RATED PARTITIONS APPLY ONLY ONE LAYER OF GYP. BD. BELOW DECKING



14 PARTITION PARALLEL TO METAL DECK (TYP.)
SCALE: 3"=1'-0"
NOTE: IF PARTITION IS LOCATED UNDER DECKING RUNNER MUST BE FASTENED TO ALUMINUM METAL DECK W/ POWDER ACTUATED FASTENERS. USE FURRING CHANNELS TO WHICH RUNNER MAY BE FASTENED. WHERE PARTITION IS LOCATED MORE THAN 2' FROM EDGE OF DECKING

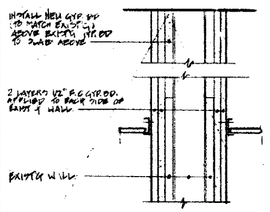


18 SECTN THRU FLOOR BUMPER (TYP.)
SCALE: 1 1/2"=1'-0"

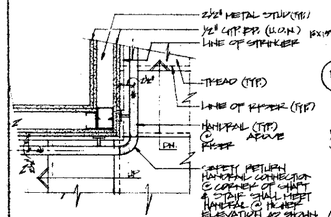


11 WALL DETAIL
SCALE: 3"=1'-0"

VOID



12 WALL DETAIL @ CLG.
SCALE: 3"=1'-0"



13 HANDRAIL CONNECTION DETAIL
SCALE: 1 1/2"=1'-0"

date	REVISIONS	no.
2/21/04	SUBMITTED TO DOT/AUTHORITY FOR REV. BID	
9-7-04	REVISED TO COMPLY W/ DOT COMMENTS	1
10/8/04	SUBMITTED TO DOT FOR 90% REVIEW AND GENERAL REVISIONS	2
11/16/04	REVISED TO DOT FOR REV BID	

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE

PHASE 1&2

MISC. DETAILS

RONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900

project 1930
scale AS NOTED
date 2/21/04

dwg no.
A-22

DOOR SCHEDULE

Door No.	Type	No. Leafs	DOOR Material	DOOR Width	DOOR Height	DOOR Thickness	DOOR Label	DOOR Undercut	FRAME Jamb Type	FRAME Head Type	FRAME Material	FRAME Saddle Type	FRAME Reinforcement	HARDWARE	REMARKS
101	A	1	HM	3'-0"	7'-0"	1¾"	D	—	2	2	HM	—	YES	3, 4, 7, 12	
102	A	1	HM	3'-0"	7'-0"	1¾"	D	—	2	2	HM	—	YES	3, 4, 7, 12	
203	EXISTING DOOR ASSEMBLY RELOCATED														
301	A	1	HM	4'-0"	7'-0"	1¾"	B	3/4"	2	2	HM	5-1	YES	1, 4, 7, 10, 12	
302	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-3	YES	1, 4, 7, 12, 10	
401	A	1	HM	4'-0"	7'-0"	1¾"	B	3/4"	2	2	HM	5-1	YES	1, 4, 7, 10, 12	
402	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-3	YES	1, 4, 7, 12, 10	
501	A	1	HM	4'-0"	7'-0"	1¾"	B	3/4"	2	2	HM	—	YES	1, 4, 7, 10, 12	
502	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-3	YES	1, 4, 7, 12, 10	
601	A	1	HM	4'-0"	7'-0"	1¾"	B	3/4"	2	2	HM	—	YES	1, 4, 7, 10, 12	
602	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-3	YES	1, 4, 7, 12, 10	
701	A	1	HM	4'-0"	7'-0"	1¾"	B	3/4"	2	2	HM	—	YES	1, 4, 7, 10, 12	
702	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-3	YES	1, 4, 7, 12, 10	
703	EXISTING DOOR ASSEMBLY RELOCATED														
704	EXISTING DOOR ASSEMBLY RELOCATED														
705	A	1	HM	3'-0"	7'-0"	1¾"	C	3/4"	5	5	HM	—	YES	1, 4, 7, 12	RELOCATED CARPENTRY SHELVES (SEE PLANS)
706	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	—		1, 4, 7, 12 DELETED	
707	A	1	HM	3'-0"	6'-8"	1¾"	C	3/4"	5	5	HM	5-1	YES	1, 4, 7, 12	RELOCATED CARPENTRY SHELVES (SEE PLANS)
708	B	2	HM	6'-0"	7'-0"	1¾"	—	3/4"	3	4	HM	5-4	YES	7, 8, 9	
709	B	2	HM	6'-0"	7'-0"	1¾"	—	3/4"	3	4	HM	5-4	YES	7, 8, 9	
710	A	1	HM	2'-0"	7'-0"	1¾"	—	3/4"	1	1	HM	5-4	—	3, 8, 7	
711	DOOR AND HARDWARE SALVAGED														
712	A	1	HM	3'-0"	7'-0"	1¾"	B	—	11	11	HM	—	—	1, 4, 7, 12, 13, 18	ALARM WIRED TO ALL BOTH FIRE SYSTEM
713	B	2	HM	6'-0"	7'-0"	1¾"	B	—	8	9	HM	—	—	7, 12, 16, 19	DOOR TO FREE SPACE, WIRED TO ALL DOOR WITH ACTUATOR AT DOOR ALARM, MONITORED
714	B	2	HM	6'-0"	7'-0"	1¾"	B	—	8	9	HM	—	—	7, 12, 16, 19	
801	DOOR AND HARDWARE SALVAGED														
802	DOOR AND HARDWARE SALVAGED														
803	DOOR AND HARDWARE SALVAGED														
804	A	1	HM	3'-0"	7'-0"	1¾"	B	—	2	2	HM	5-1	YES	1, 4, 7, 11, 12, 14	
805	A	1	HM	2'-0"	7'-0"	1¾"	B	—	2	10	HM	5-1	YES	1, 4, 7, 11, 14	
806	A	1	HM	2'-0"	7'-0"	1¾"	B	3/4"	1	7	HM	5-1	YES	1, 5, 6, 7, 8	
807	DOOR AND HARDWARE SALVAGED														
808	A	1	HM	3'-0"	7'-0"	1¾"	B	3/4"	13	14	HM	5-1	YES	3, 4, 5, 7, 11, 18, 19	RELOCATE EXIST. HOLLOW METAL FRAME & DOOR, PATCH & PAINT AS REQUIRED
809	A	1	HM	3'-0"	7'-0"	1¾"	B	3/4"	12	12	HM	5-1	YES	1, 4, 6, 7, 11	
810	A	1	HM	3'-0"	7'-0"	1¾"	—	3/4"	2	6	HM	5-8	YES	1, 4, 5, 7	
811	A	1	HM	3'-0"	7'-0"	1¾"	—	3/4"	2	6	HM	5-8	YES	1, 4, 5, 7	
812	D	1	HM	3'-0"	7'-0"	1¾"	B	3/4"	2	1	HM	5-4	YES	1, 4, 6, 11, 12, 13, 19	EL. BA. ASSEMBLY (SEE DET. M/A-12) BRACE BOLT AT TOP LEAF
813	A	1	HM	3'-0"	7'-0"	1¾"	—	3/4"	1	1	HM	5-4	YES	3, 4, 7, 11, 12, 20, 13	
814	A	1	HM	3'-0"	7'-0"	1¾"	—	3/4"				5-1		1, 5, 7	DOOR TO FIT WITHIN EXIST. FRAME (CLR.)
815	A	1	HM	*	*	1¾"	B	3/4"				5-1		PROVIDE ALL NEW TO MATCH EXIST.	* MATCH EXIST. SIZE (V.I.F.)
816	A	1	HM	*	*	1¾"	B	3/4"				5-1		PROVIDE ALL NEW TO MATCH EXIST.	* MATCH EXIST. SIZE (V.I.F.)
902	EXISTING DOOR ASSEMBLY RELOCATED														

NOTE: ALL DOOR RETAINED HEAT SENSORS & LABEL SHALL BE UNDISTURBED UNLESS NOTED.

(A) FLUSH SINGLE DOOR — (D) DUTCH DOOR — (B) PAIR OF SLIDING DOORS — (C) DOUBLE EGRESS SMOKE DOORS

DOOR TYPES

FRAME TYPES

(1) JAMB (HEAD SIM) SCALE: 3"=1'-0" — (14) SAME AS TYPE 6 EXCEPT 1/2" FRAME — (2) JAMB (HEAD SIM) SCALE 3"=1'-0" — (12) JAMB (HEAD SIM) SCALE: 3"=1'-0" — (13) SAME AS TYPE 12 EXCEPT 1/2" FRAME

HARDWARE NOTES

20	CARD READER	CARD KEY SYSTEMS	FURNISHED & INSTALLED BY G.C. (SEE ABVE. NOTES)						19	ELECTRO MAGNETIC RELEASE	PULSON FIREMAN	WIRE TO ROOF ALARM PANEL AND TO DOOR AT LEVEL 1 FOR ALARM SYSTEM. CONTRACTOR TO COORDINATE WITH FIRE ALARM SYSTEM CONTRACTOR			18	ELECTRIC STRIKE	FOLGER-STEINS 310 1/2	5-8" OPERATION, PAINT TO MATCH DOOR FINISH (SEE ABVE. NOTES)
												DOORS TO BE DOPED FOR DOOR OPEN-CLOSED SIGNAL TO THE PATENT OF FIRE ALARM SYSTEM. DOORS TO BE UNLOCKED BY FIRE ALARM SYSTEM.			17	EXIT DEVICE	SARGENT 12-4900	W/ #612 OUTSIDE TRIM, #4900 SERIES MORTISE LOCK, #10 CURVED SINGLE PUSH BAR
															16	EXIT DEVICE	SARGENT 12-9400	W/ #612 OUTSIDE TRIM, #113 AUXILIARY OUTSIDE CYLINDER, #660 & #606 TOP & BOTTOM
															15	SURFACE BOLT	IVES #54	8" DUTCH DOOR BOLT W/ MORTISE STRIKE

PARTITION TYPES

(A) PARTITION SCALE: 3"=1'-0" — NOTE: FOR PARTITIONS RUNNING PERPENDICULAR TO CEILING, SEE DETAIL ON SHEET A-22

(B) PARTITION SCALE: 3"=1'-0"

(C) PARTITION SCALE: 3"=1'-0" 2 HR. FIRE RATING PER #1700.05

(G) PARTITION SCALE: 3"=1'-0" 2 HR. FIRE RATING PER #1700.05

(D) PARTITION SCALE: 3"=1'-0" 1 HR. FIRE RATING PER #1700.01

(E) PARTITION SCALE: 3"=1'-0"

(F) PARTITION SHAFT @ STAIR 5 & 9 2 HR. FIRE RATING PER #1700.05

(10) HEAD SCALE: 3"=1'-0" — (9) HEAD SCALE: 3"=1'-0" — (8) JAMB SCALE: 3"=1'-0" — (7) HEAD W/ TRANSOM SCALE: 3"=1'-0" — (6) HEAD W/ TRANSOM SCALE: 3"=1'-0" — (5) JAMB (HEAD SIM.) SCALE: 3"=1'-0" — (4) SLIDING DOOR JAMB SCALE: 3"=1'-0" — (3) SLIDING DOOR HEAD SCALE: 3"=1'-0"

SADDLE TYPES

(01) SCALE — (02) SCALE — (03) SCALE — (04) NO SCALE

NOTE: 3/4" UNDERCUT SHALL BE REQUIRED THRU FLOOR SLAB

(11) HEAD (JAMB SIM) SCALE: 3"=1'-0"

	REVISIONS
2/16/84	SUBMITTED TO PORT AUTHORITY FOR NOTICE
9/10/84	REVISED TO COMPLY WITH P.A. COMMENTS AND AREA OF REVISE
9/28/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW AND GENERAL REVISION
11/16/84	SUBMITTED TO P.A. FOR REVIEW AND GENERAL REVISIONS TO COMPLY WITH COMMENTS

HARDWARE SCHEDULE

SET #	HARDWARE	MANUFACTURER	REMARKS
1	LOCKSET	"CORBIN" #2DB-DS3	FA BLDG STANDARD (MORTISE)
2	LOCKSET	"CORBIN" #2DB-LN	FA BLDG STANDARD (CYLINDRICAL)
3	LOCKSET	"CORBIN" #2DB-40	FA BLDG STANDARD
4	LOCKSET	"CORBIN" #2DB-DS3	FA BLDG STANDARD CODED FOR SEAK S-4 FOR DRS 2'-0" & 3'-0" MAN.
5	HINGES	FBB #74	1½ PAIR OF BUTTS FOR (HVY) FA BLDG STANDARD
6	STOP	"CORBIN" #3573½	FA BLDG STANDARD 1½" DIAM. STOP 1'-6" TALL FOR CARPET-UP SET
7	WEATHERSTRIP	"CORBIN" # 33	FA BLDG STANDARD CLOSURE (WEAR) THRESH. (2) FREE SWEEP DOOR (1½ THICK) & 1½ PAIR HINGES W/ TEFLON BOLT & 10" FL. #1218 STOP @ TOP & FLOOR GUIDE
8	SLIDING DOOR KIT	"CORBIN" # 2030	1½ DOOR & 1½ FRAME W/ TEFLON BOLT & 10" FL. #1218 STOP @ TOP & FLOOR GUIDE
9	FLUSH PULL	IVES #107 B/E	12" x 5" RECESSED FLUSH CAR LEAR
10	STOP	IVES #402½	WALL BUMPER
11	CONTACT ALARM	BED STANDARD	WIRED TO BOTH FIRE ENCLOSURE DOORS - WHEN DOOR CONTACT ALARM (MONITOR) SEE NOTE 6, 7 & 8 - UP TO 3 DOORS
12	HINGES	BED STANDARD	NON-REMOVABLE PINS IN BUTTS
13	DOOR BOLT	COLONIAL #429	MOUNT @ SEE ABVE
14	DOOR ALERT	DOREL #CL-2240	MODEL "NORMAL I"
15	SURFACE BOLT	IVES #54	8" DUTCH DOOR BOLT W/ MORTISE STRIKE

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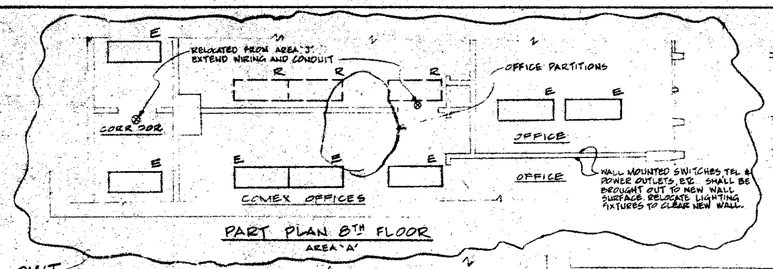
EGRESS UPGRADE
PHASE 1&2

dwg title: DOOR & HARDWARE SCHEDULE, FRAME TYPES, PARTITION TYPES & SADDLE TYPES

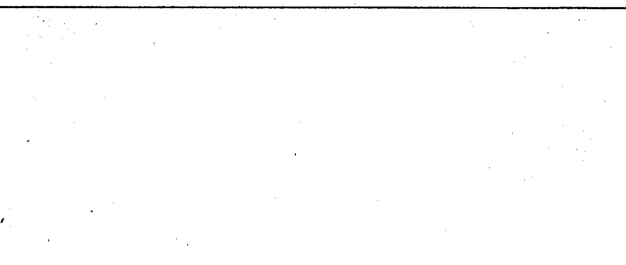
CONSIGLIO DI NAPOLI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 255-2600

project 1830 | scale NO SCALE | date 2/21/84 | dwg no. A-23

date	REVISIONS	no.
2-21-84	SUBMITTED TO P.A. FOR REVIEW	
9-7-84	REVISED AS PER P.A. COMMENTS	1
10-8-84	SUBMITTED TO P.A. FOR "E" & SEL. REVISIONS	2
11-16-84	SUBMITTED TO P.A. FOR "E" & SEL. REVS. & GEN. REVS. TO "G". P.A. COMMENTS	3

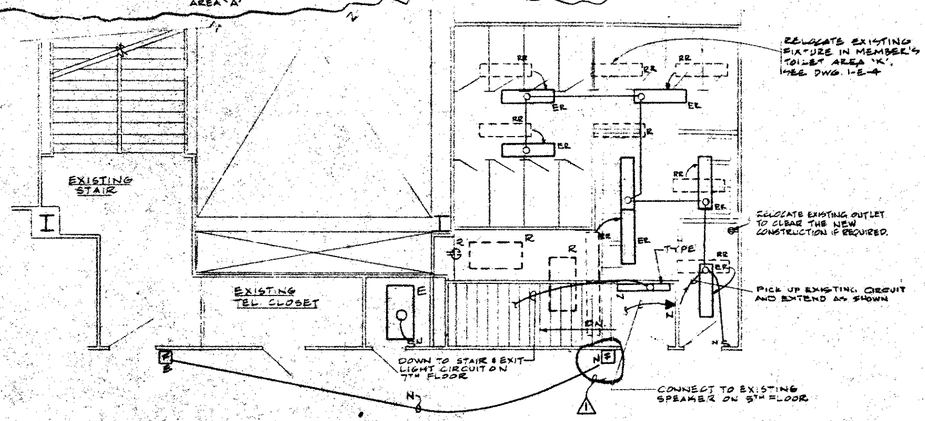


PART PLAN 8TH FLOOR
AREA 'A'



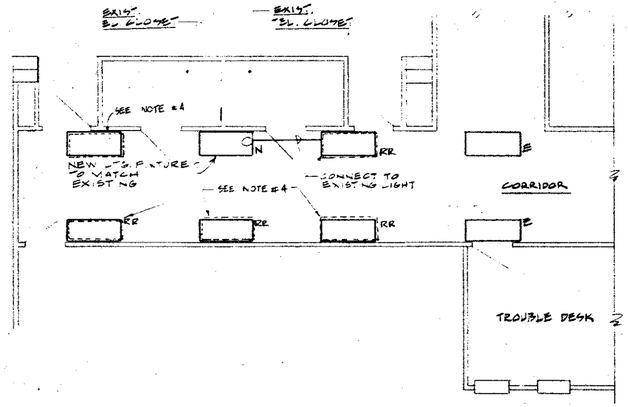
PART PLAN 8TH FLOOR - AREA 'J'

OMIT



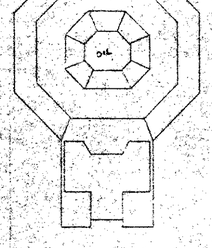
PART PLAN OF 8TH FLOOR - SOUTH LIGHTING
SCALE: 1/4" = 1'-0"

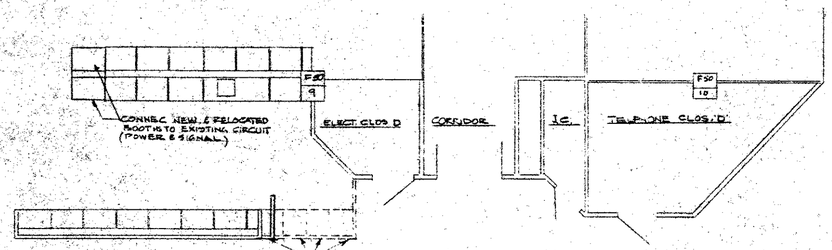
AREA - 'C'

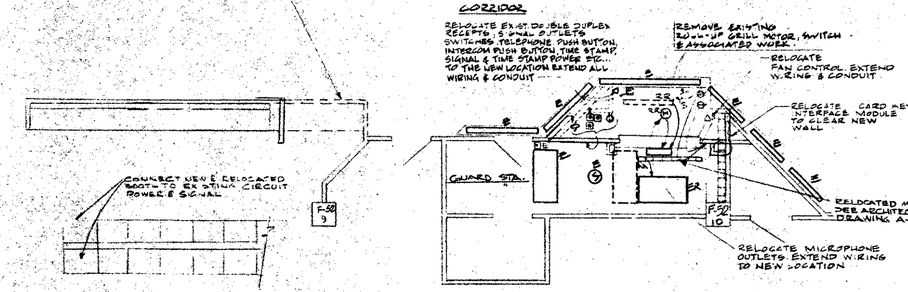


PART PLAN OF 7TH FLOOR - SOUTH - LIGHTING
SCALE: 1/4" = 1'-0"

AREA - 'G'

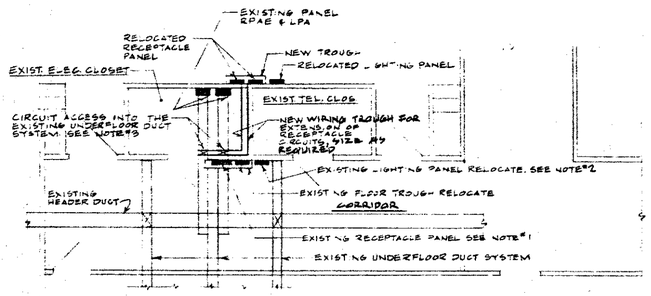






PART PLAN OF 8TH FLOOR - SOUTH
SCALE: 1/4" = 1'-0"

AREA - 'B'



PART PLAN OF 7TH FLOOR - SOUTH POWER
SCALE: 1/4" = 1'-0"

AREA - 'G'

NOTES:

1. REMOVE EXISTING RECEPTACLE PANELS AND FLOOR TROUGH REROUTE EXISTING CIRCUIT AND FEEDER TO THE NEW LOCATION
2. REMOVE EXISTING LIGHTING PANEL AND RELOCATE REROUTE EXISTING LIGHTING CIRCUITS AND FEEDER TO THE NEW LOCATION
3. METHOD INDICATED FOR THE EXTENSION OF CIRCUITS IS SUGGESTED, ACTUAL REROUTING OF BRANCH CIRCUITS SHALL BE VERIFIED IN FIELD.
4. RELOCATE EXISTING LIGHTING FIXTURE TO NEW 2 HOUR FIRE RATED WALL

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EGRESS UPGRADE
PHASE 1
AREA A B C G

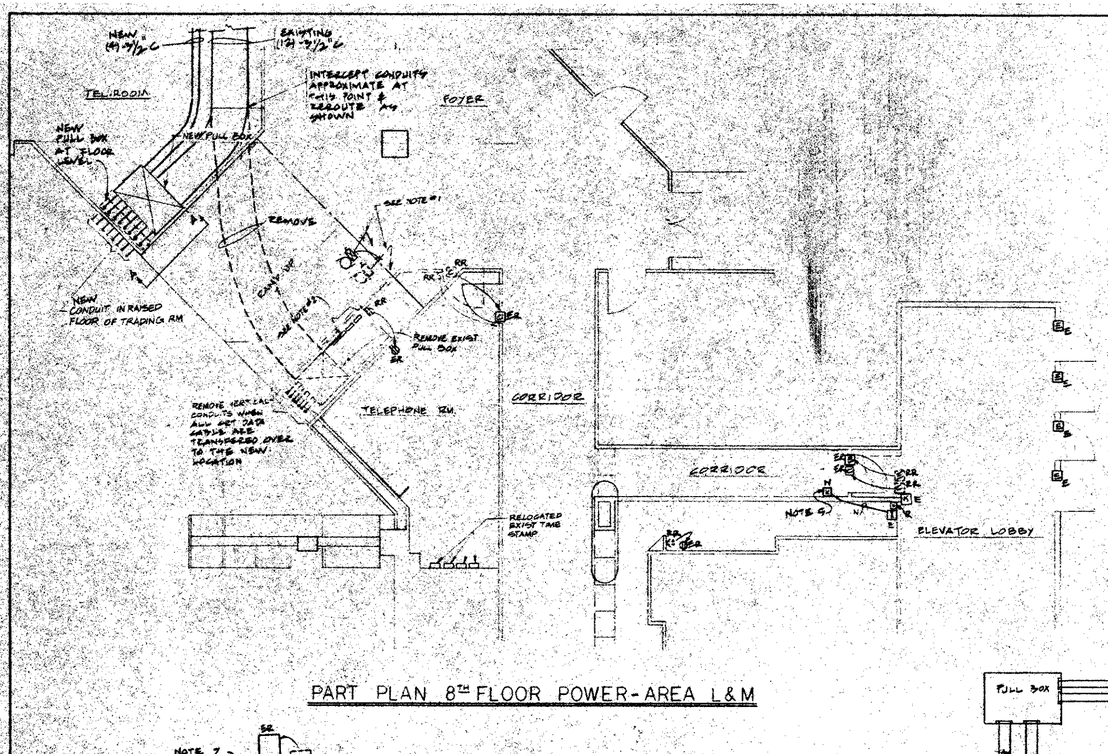
PART PLANS -
7TH & 8TH FLOOR
LIGHTING, POWER & SIGNAL

MS&J | MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK NY 10169

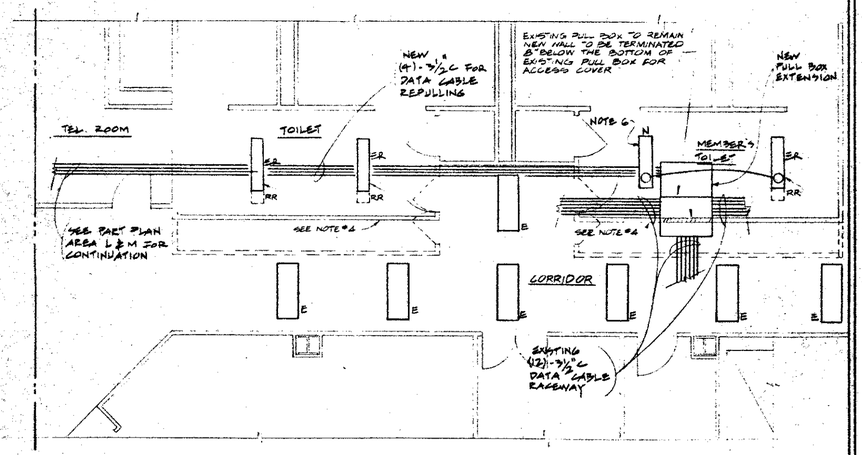
SCINGUEGRA BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8800

project 1930
scale AS NOTED
date 2-21-84

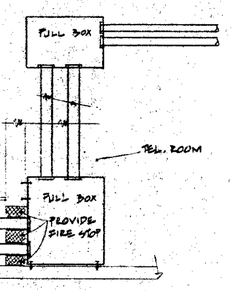
dwg no. I-E-3



PART PLAN 8TH FLOOR POWER-AREA L&M



PART PLAN 8TH FLOOR AREA 'K' -LIGHTING

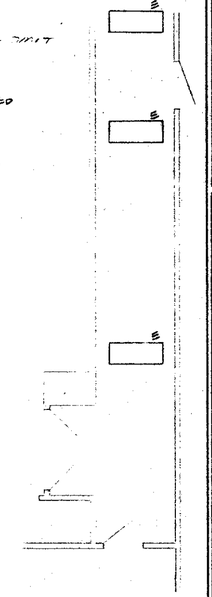


SECTION - A - A'
N.T.S.

PART PLAN 8TH FLOOR LIGHTING AREAS L & M

NOTES

1. DISCONNECT EXISTING CIRCUIT FROM EXISTING ROLL UP DOOR AND CONNECT TO THE NEW ROLL UP DOOR MOTOR. ELECTRICAL CONTRACTOR TO WIRE LIMIT SWITCHES, SAFETY EDGE ETC. RECONNECT EXISTING PUSH BUTTON CONTROL WIRING AT GUARD STATION.
2. REMOVE EXISTING TIME STAMP RELAY PANELS AND RELOCATE ON SOUTH WALL AS INDICATED. EXTEND ALL WIRING AND CONDUIT AS REQUIRED.
3. DISCONNECT AND REMOVE EXISTING CARD KEY SYSTEM WITH ACCESS CONTROL INTERFACE MODULE ETC AND STORE.
4. REMOVE AND RELOCATE EXISTING ELECTRICAL EQUIPMENT ABOVE HUNG CEILING TO CLEAR NEW WALL CONSTRUCTION AS REQUIRED.
5. CARD KEY ACCESS DEVICE FURNISHED BY C.E.C., WIRED AND INSTALLED BY ELECTRICAL CONTRACTOR.
6. CONNECT NEW LIGHTING FIXTURE TO EXISTING LIGHTING CIRCUIT AS SHOWN.
7. FOR EXISTING RELOCATED LIGHTING FIXTURES, EXTEND EXISTING WIRING AND CONDUIT TO THE NEW LOCATION.



PART PLAN LIGHTING - 8TH FLOOR AREA 'E'

date	REVISIONS	no.
10/8/84	SUBMITTED TO P.A. FOR REVIEW	
11-16-84	GENERAL REVISION SUBMITTED TO P.A FOR REVIEW	1

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EGRESS UPGRADE
PHASE I AREA K.
L & M

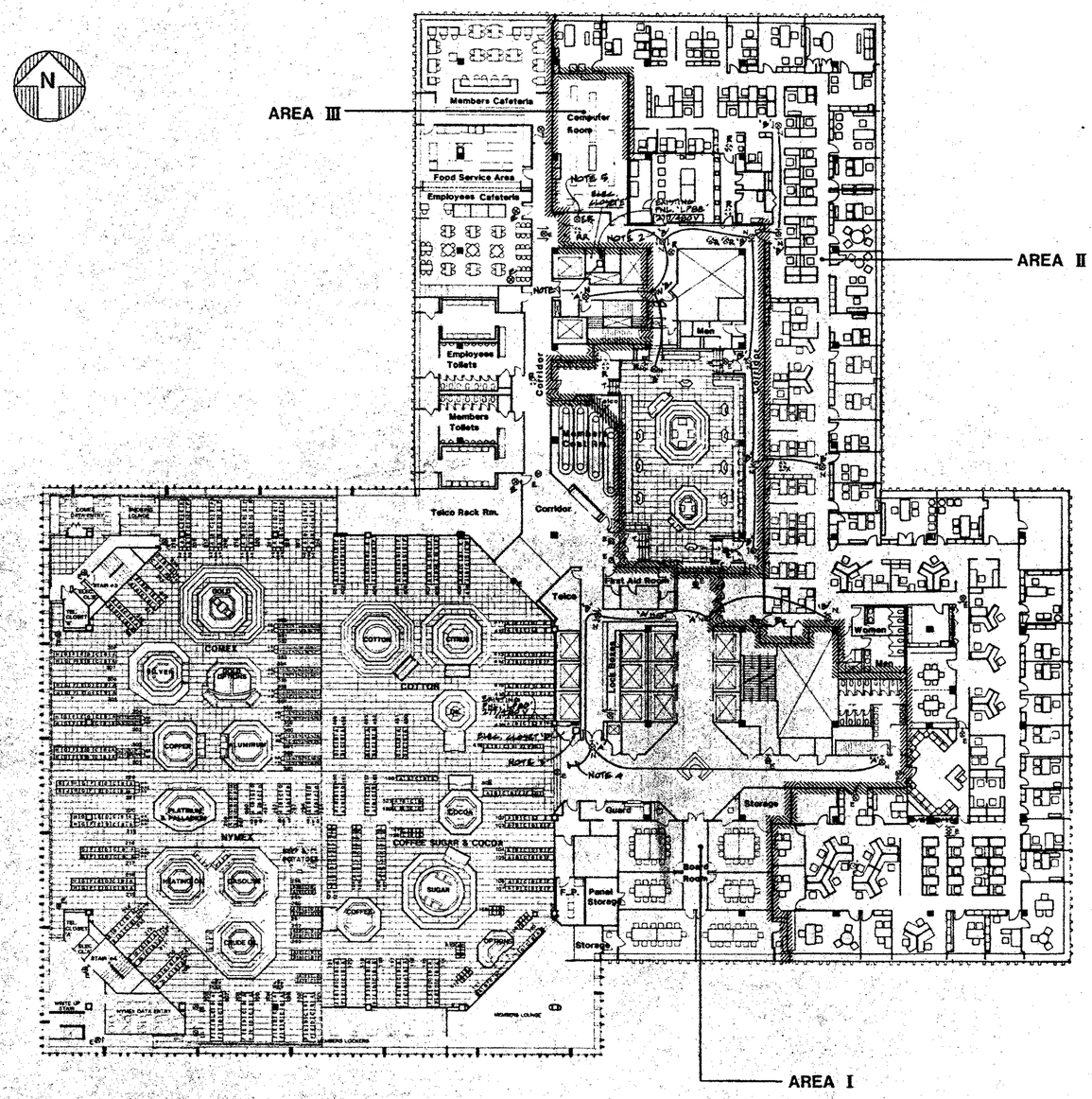
dwg title:
8TH FLOOR LIGHTING & POWER PART PLANS

MS&J MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

CONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-6000

project 1930
scale 1/4"=1'-0"
date 10/8/84

dwg no.
1-E-4



8TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)

NOTES:

1. NEW FUSE CUTOUT PANEL: 2P, 20A, 3W, WITH SOLID NEUTRAL. TAP LINE SIDE OF EXISTING LIGHTING PANEL 'LPBE'. RUN 3#12 - 3/4"C.
2. CONNECT EXIT LIGHT CIRCUIT TO NEW FUSE CUTOUT PANEL IN ELEC. CLOSET 'E'.
3. NEW FUSE CUTOUT PANEL: 2P, 20A, 3W, WITH SOLID NEUTRAL. TAP LINE SIDE OF EXISTING LIGHTING PANEL 'LPDD'. RUN 3#12 - 3/4"C.
4. CONNECT EXIT LIGHT CIRCUIT TO NEW FUSE CUTOUT PANEL IN ELEC. CLOSET 'D'.
5. FOR EXISTING RELOCATED EXIT SIGN, EXTEND EXISTING WIRING AND CONDUIT TO THE NEW LOCATION.

date	REVISIONS	no.
10/5/84	SUBMITTED TO P.A. FOR REVIEW	
11-6-84	GENERAL REVISION. SUBMITTED TO P.A. FOR REVIEW.	1

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EGRESS UPGRADE
PHASE 1 & 2

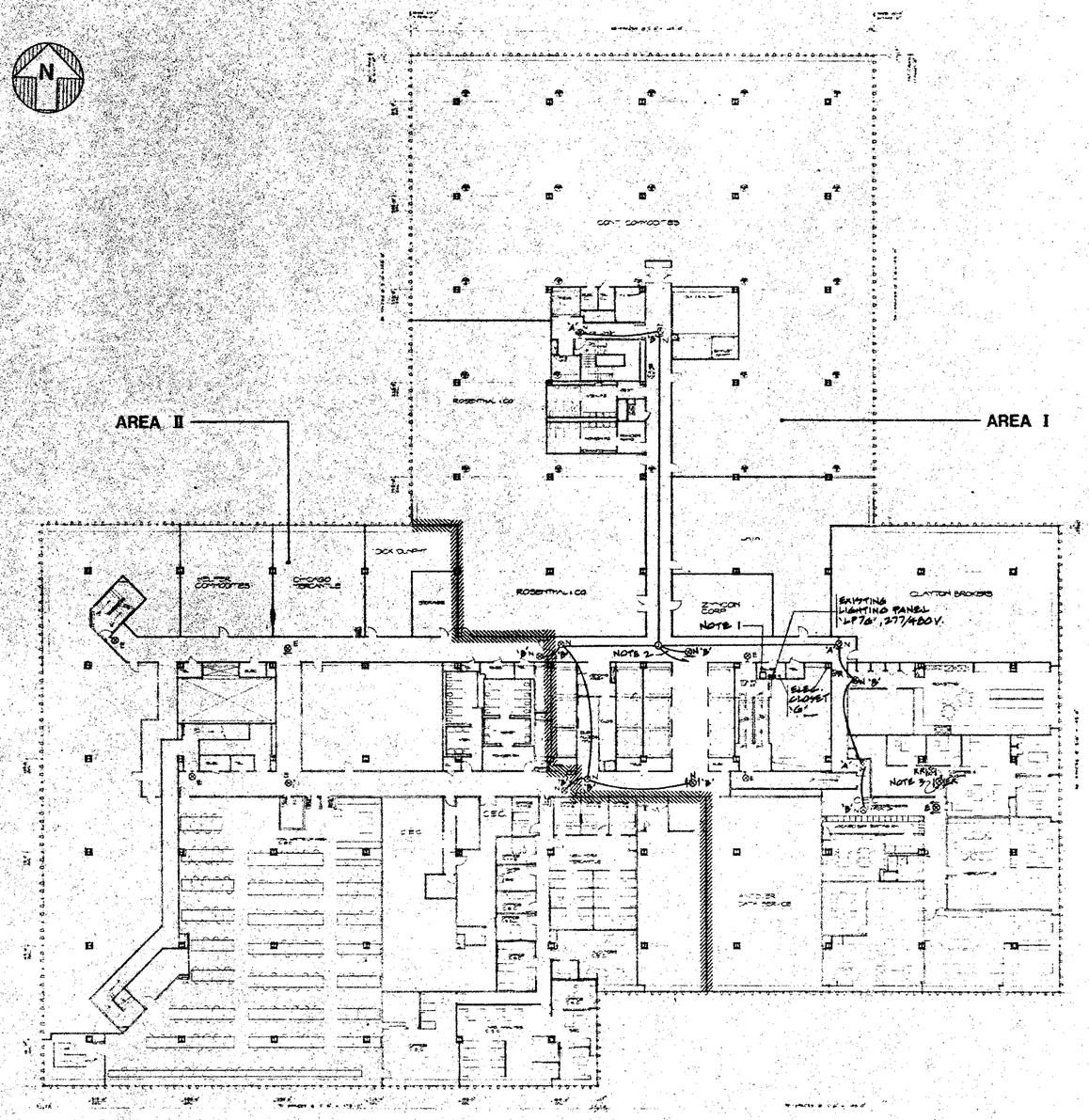
dwg. title:
8TH FLOOR
EXIT LIGHTING PLAN

MS&J MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10169

SONSIDONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8200

project 1930
scale 1/0 SCALE
date 10-8-84

dwg no.
I-E-5



7TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)

NOTES:

1. NEW FUSE CUTOUT PANEL: 2P, 20A, 3W, WITH SOLID NEUTRAL. TAP LINE SIDE OF EXISTING LIGHTING PANEL 'LP7G'. RUN 3#12-3/4"C.
2. CONNECT EXIT LIGHT CIRCUIT TO NEW FUSE CUTOUT PANEL IN ELEC. CLOSET 'G'.
3. FOR EXISTING RELOCATED EXIT SIGN, EXTEND EXISTING WIRING AND CONDUIT TO THE NEW LOCATION.

date	REVISIONS	no.
10/8/84	SUBMITTED TO P.A. FOR REVIEW	
11-6-84	GENERAL REVISION SUBMITTED TO P.A. FOR REVIEW.	⚠

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EGRESS UPGRADE
PHASE 1 & 2

dwg. title:
7TH FLOOR
EXISTING PLAN

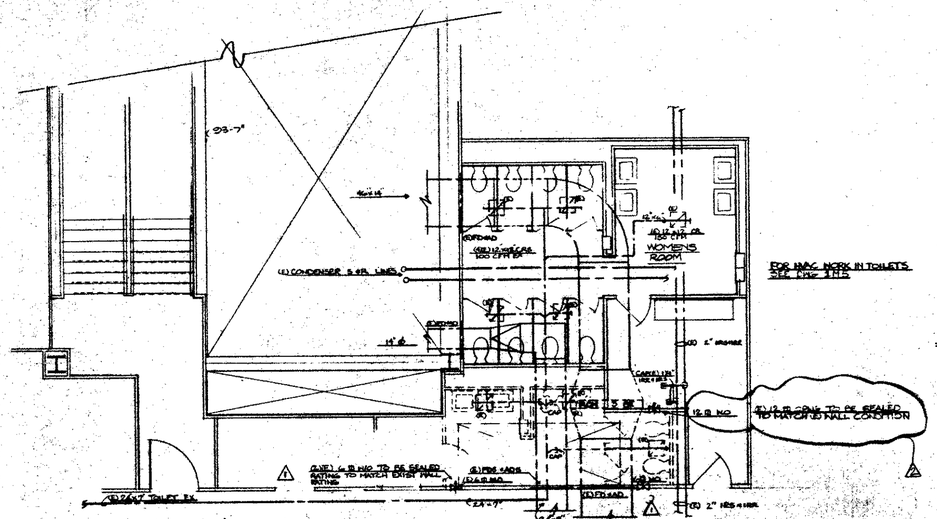
MS&J MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE. NEW YORK, N.Y. 10169

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8200

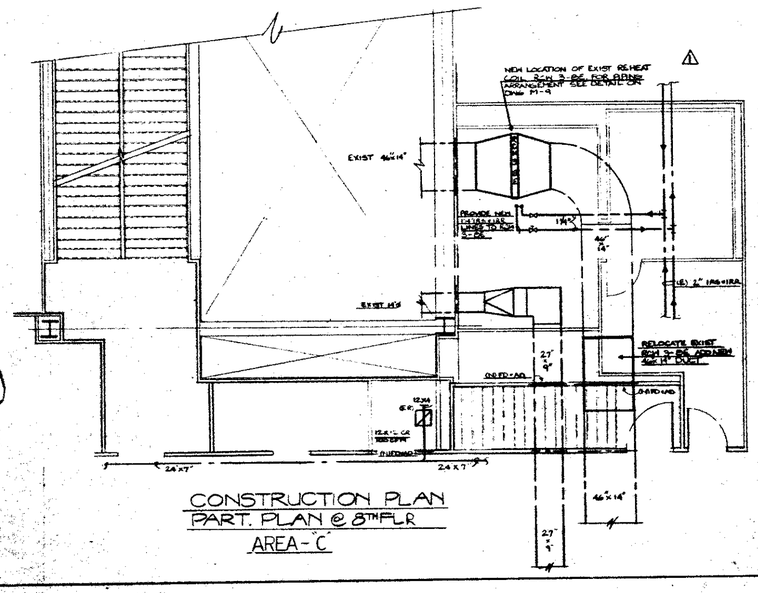
project 1930
scale NO SCALE
date 12-8-84

dwg no.
I-E-6

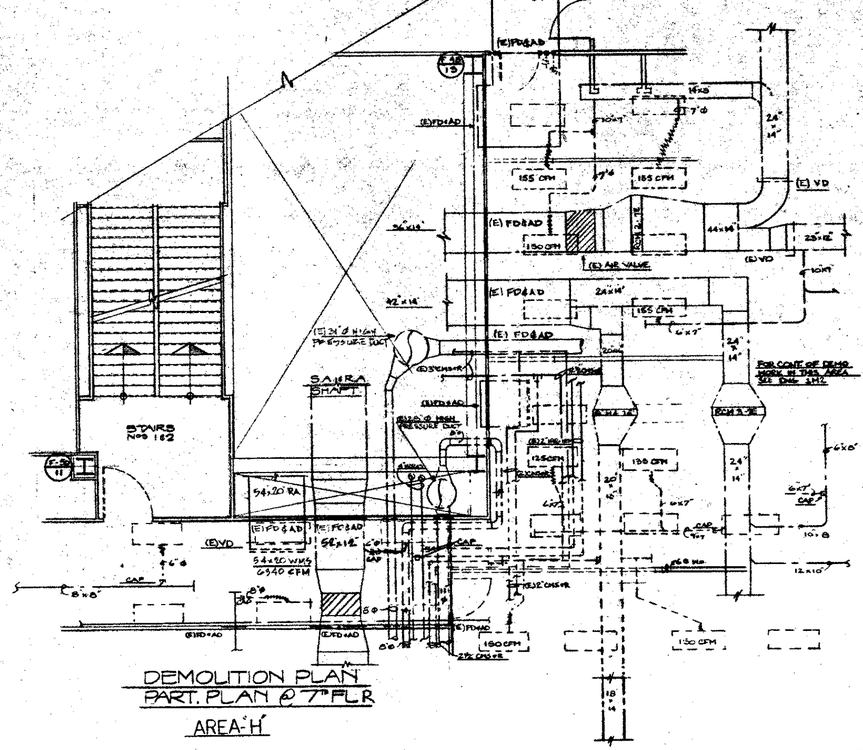
date	REVISIONS	no.
2-21-84	SUBMITTED TO P.A. FOR REVIEW	
9-7-84	REVISED AS PER PA COMMENT	1
10-8-84	SUBMITTED TO P.A. FOR REVIEW	
10-31-84	REVISED AS PER PA COMMENT	2
11-6-84	SUBMITTED TO PA FOR REVIEW	



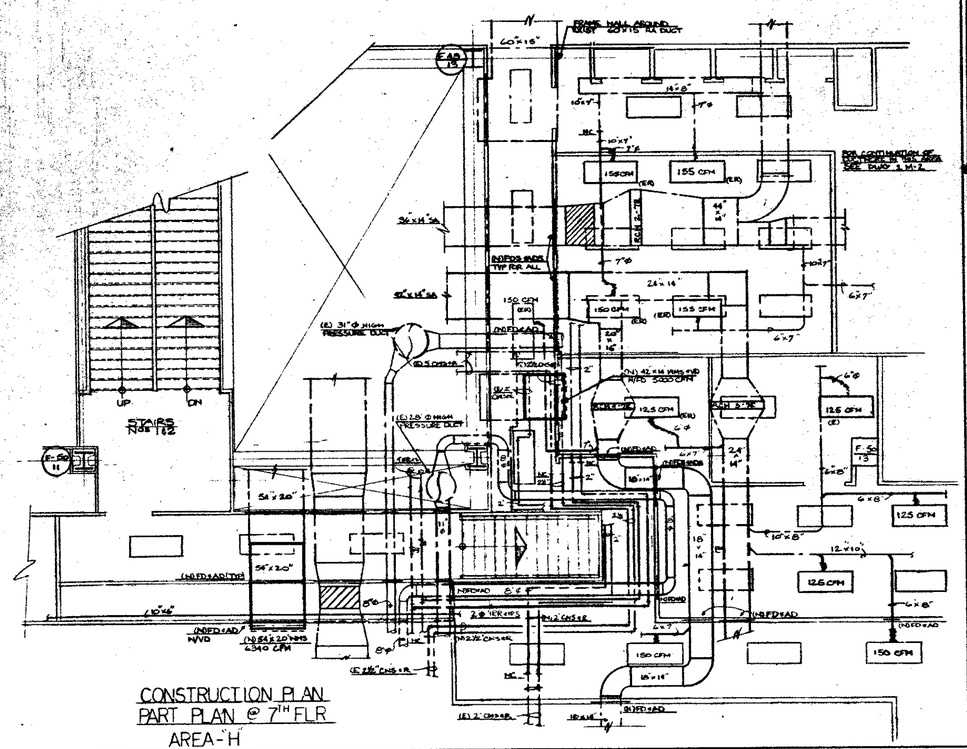
DEMOLITION PLAN
PART. PLAN @ 8TH FLR
AREA - "C"



CONSTRUCTION PLAN
PART. PLAN @ 8TH FLR
AREA - "C"



DEMOLITION PLAN
PART. PLAN @ 7TH FLR
AREA-"H"



CONSTRUCTION PLAN
PART PLAN @ 7TH FLR
AREA-"H"

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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE PHASE 1 AREAC&H

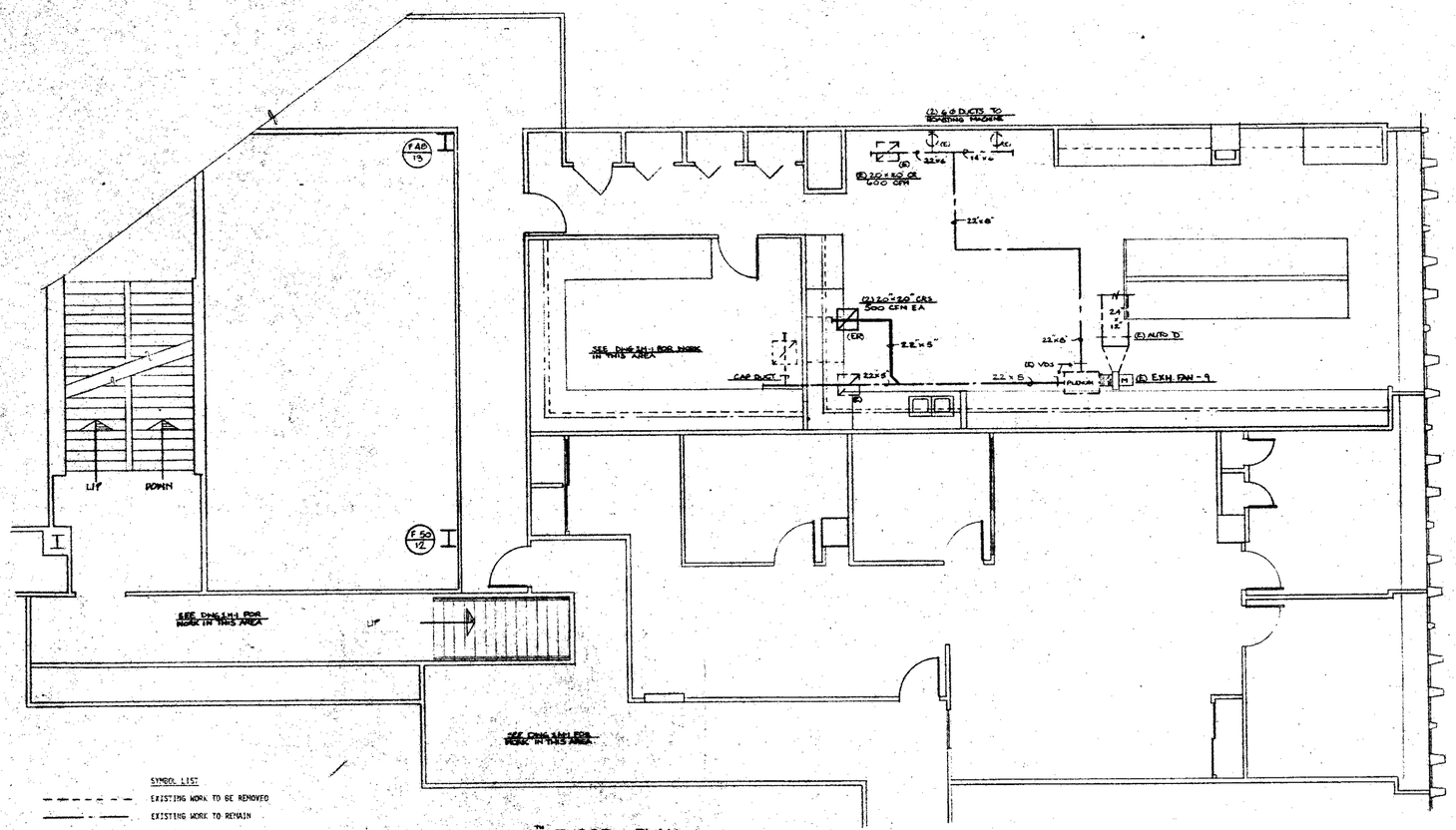
dwg. title:
7TH-8TH FLR DUCTWORK PLANS

MS&J MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK N.Y. 10169

SOMMERFORD SPIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8800

project 1980
scale 1/4" = 1'-0"
date 2-21-84
dwg no. IM 1

date	REVISIONS
2-21-84	SUBMITTED TO PA FOR REVIEW
10-8-83	SUBMITTED TO PA FOR REVIEW
11-19-82	SUBMITTED TO PA FOR REVIEW



7"- FLOOR PLAN
SCALE 1/8" = 1'-0"

SYMBOL LIST

- - - - - -	EXISTING WORK TO BE REMOVED
———	EXISTING WORK TO REMAIN
———	NEW WORK
(E)	EXISTING TO REMAIN
(ER)	EXISTING WORK RELOCATED
(R)	REMOVE EXISTING
FD & AD	FIRE DAMPER & ACCESS DOOR
IRS-IRR	INTERIOR REHEAT SUPPLY & RETURN
CFM	CUBIC FEET PER MINUTE
VD	VOLUME DAMPER
CR	CEILING RETURN REGISTER
RA	RETURN AIR
SA	SUPPLY AIR
WMS	WIRE MESH SCREEN
RCW	HOT WATER REHEAT COIL
AV	AIR VALVE
M	MOTOR
NIC	CONNECT NEW WORK INTO EXIST

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EGRESS UPGRADE
PHASE 1 AREA C&H

7"FLR DUCTWORK @ ROASTING AREA

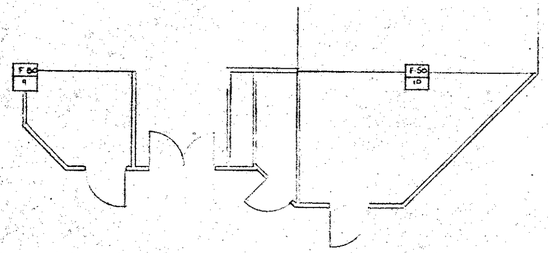
MSJ MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK 10169

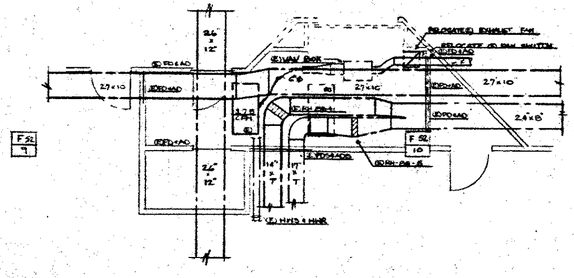
SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8200

project 1430
scale AS NOTED
date 2-21-84

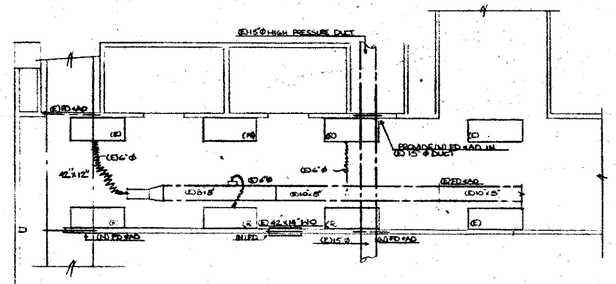
dwg no. M 2

Date	REVISIONS	No.
2-21-08	SUBMITTED TO PA FOR REVIEW	
10-8-08	SUBMITTED TO PA FOR REVIEW	
11-6-08	SUBMITTED TO PA FOR REVIEW	

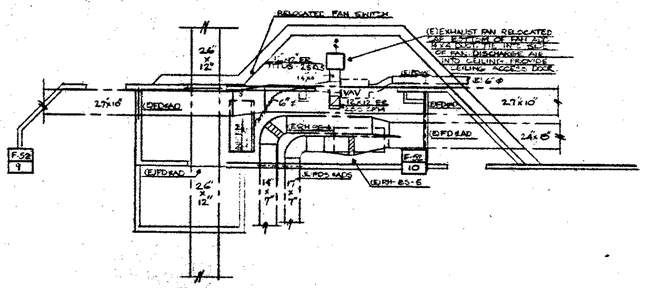




DEMOLITION PLAN
8 TH FL GUARD STATION
AREA - "B"



CONSTRUCTION PLAN
7 TH FL WRITE UP AREA
AREA - "G"



CONSTRUCTION PLAN
8 TH FL GUARD STATION
AREA - "B"

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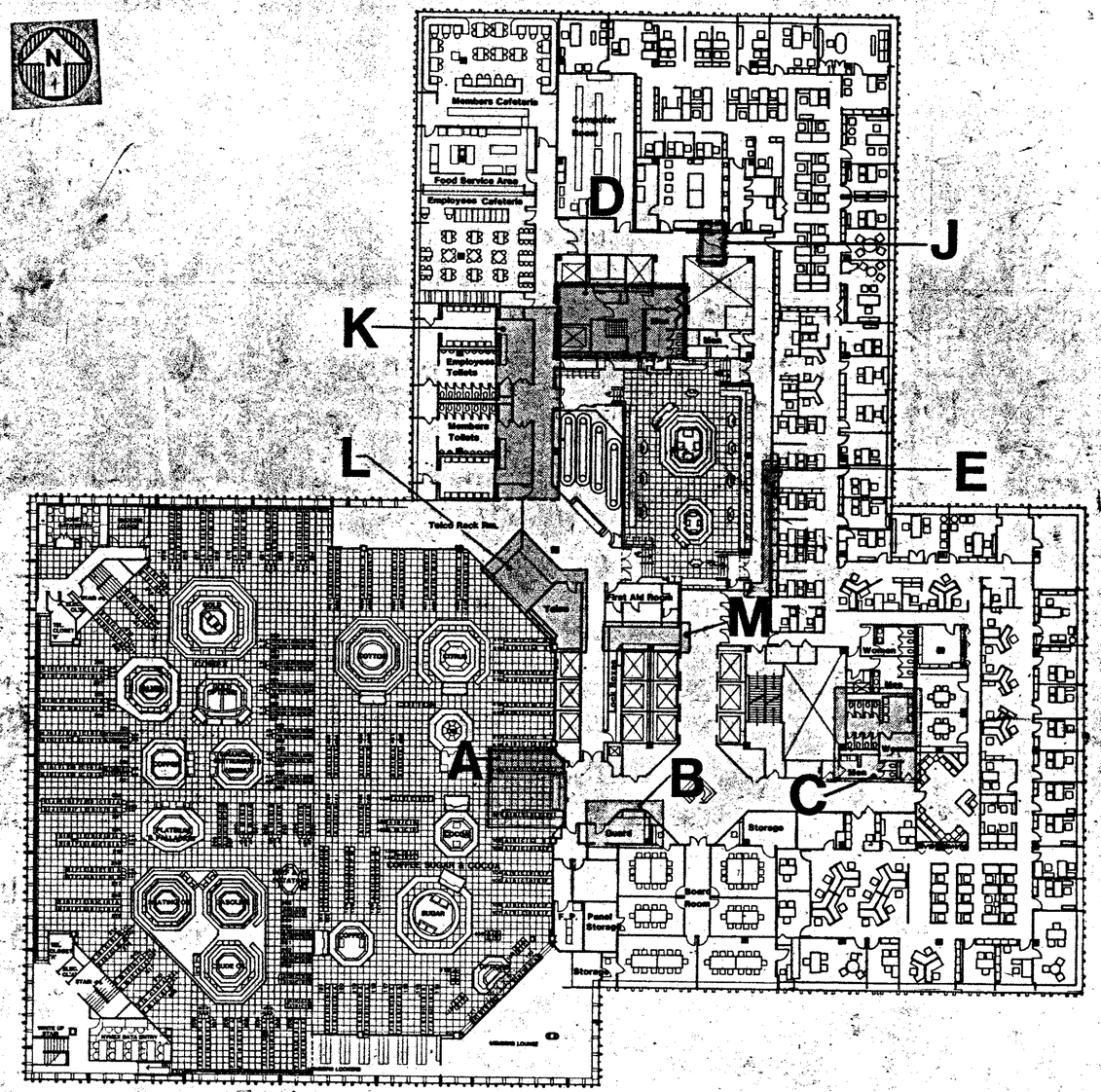
EGRESS UPGRADE
PHASE 1 AREA
B&G

7TH & 8TH FLOOR
DUCTWORK PLANS

MS&J MEYER STRONG & JONES, P.C.
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10169

SOSNOWSKI BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868-8200

proj. no. 1330
scale 1/8"=1'-0"
date 2-21-08
dwg no. IM 3



8th FLOOR KEY PLAN - EXISTING CONDITIONS

AREAS OF WORK

AREA	PHASE	DESCRIPTION
A	1	RELOCATED BOOTH ROWS 4 1/2 & 10
B	1	GUARD STATION ALTERATION
C	1	NEW STAIR NO. 7 AND LADIES TOILET
D	2	NEW STAIRS No. 5 & No. 8 (FLR'S 2,3,4,5,6,7,8,& 9)
E	1	NEW DOORS
F	1	2 HR FIRE RATED SEPARATION - 7th FLOOR
G	1	WRITE-UP AREA SPACE ALTERATIONS
H	1	NEW STAIR NO. 7 & OFFICE ALTERATIONS
J	1	CORRIDOR ALTERATION
K	1	TOILETS & CORRIDOR ALTERATION
L	1	RAMP & TELEPHONE RM. ALTERATION
M	1	NEW CORRIDOR & MAIL BOXES ALTERATION

date	REVISIO
8/3/84	submitted to port authority for review
7/6/84	revised to comply with area of refuge concept
06/84	submitted to port authority for review and approval revisions
5/4/84	submitted to P.A. for review and general revisions to comply w/ P.A.I.

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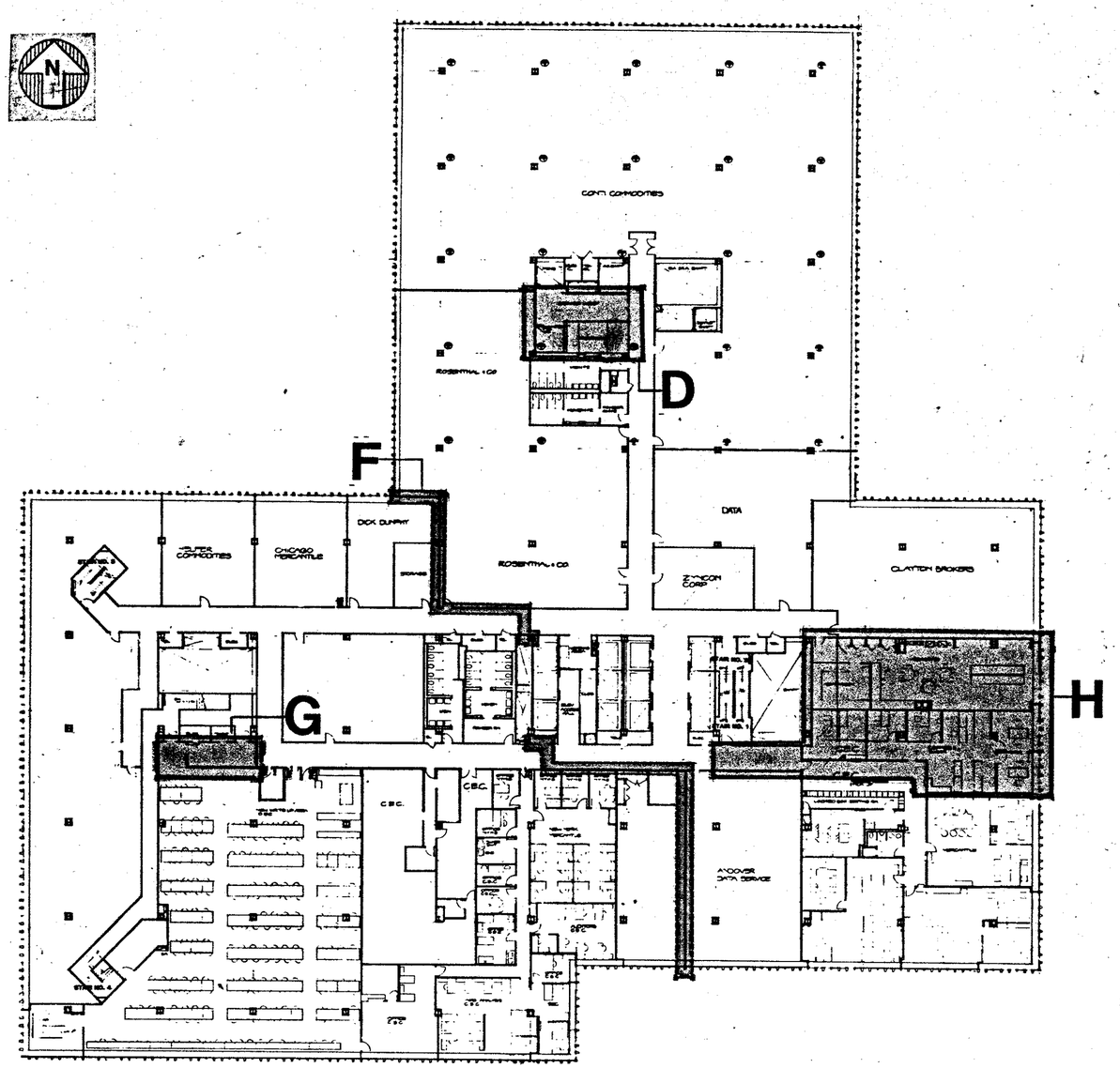
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 & 2

dwg title:
8TH FLOOR
KEY PLAN / EXIST. CONDITIONS
AREAS OF WORK
LIST OF DRAWINGS

SCHNEIDER BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE - NEW YORK, NEW YORK 10001 (212) 695-8600

project: 1930
scale: NO SCALE
date: 2/21/84
dwg no.: L-1

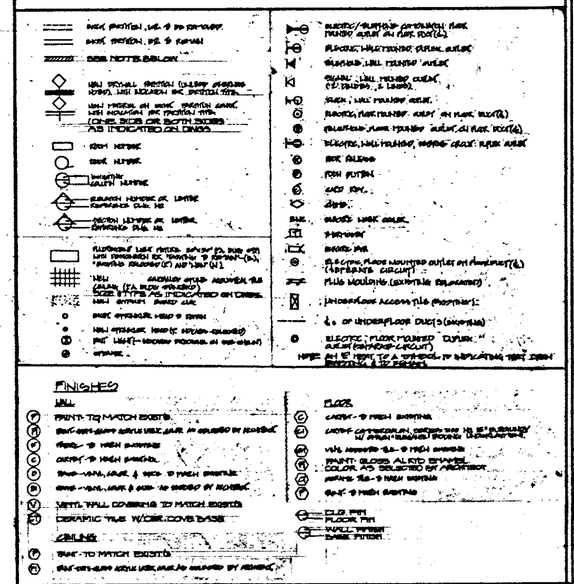


7th FLOOR KEY PLAN - EXISTING CONDITIONS

AREAS OF WORK

AREA	PHASE	DESCRIPTION
A	1	RELOCATED BOOTH ROWS 419 & 101
B	1	GUARD STATION ALTERATION
C	1	NEW STAIR NO. 7 (7 & 8 FLR'S) AND TOILET
D	2	NEW STAIRS No. 5 & No. 8 (FLR'S 2,3,4,5,6,7,8 & 9)
E	1	NEW DOORS
F	1	2 HR FIRE RATED SEPARATION - 7th FLOOR
G	1	WRITE-UP AREA SPACE ALTERATIONS
H	1	NEW STAIR NO. 7 & OFFICE ALTERATIONS
J	1	CORRIDOR ALTERATION
K,L & M	1	SEE AREAS OF WORK ON DWG. L-1

SYMBOLS LEGEND



FINISHES

WALL
- PAINT - TO MATCH EXISTING
- EXIST. GLASS SURFACE WALLS TO BE COVERED BY NEW GYP. BD. PARTITION
- PAINT - TO MATCH EXISTING
- GYP. BD. - TO MATCH EXISTING
- STONE - VENEER, LEVEL & PLUMB - TO MATCH EXISTING
- STONE - VENEER, LEVEL & PLUMB - AS SELECTED BY ARCHITECT
- METAL WALL COVERING TO MATCH EXISTING
- CERAMIC TILE W/CERAMIC COVE BASE

CEILING
- PAINT - TO MATCH EXISTING
- EXIST. GYP. BD. CEILING TO BE COVERED BY NEW GYP. BD. CEILING

FLOOR
- CARPET - TO MATCH EXISTING
- CARPET - AS SELECTED BY ARCHITECT
- VINYL TILE - TO MATCH EXISTING
- PAINT - GLOSS, ALKYD ENAMEL COLOR AS SELECTED BY ARCHITECT
- QUARRY TILE - TO MATCH EXISTING
- QUARRY - TO MATCH EXISTING

- SOLID PARTITION
- FLOOR TYPE
- WALL / PARTITION TYPE

NOTE:
EXIST. PARTITION - REMOVE BETTERS OR PORTION AS REQ'D TO ALLOW FOR EXIST. STAIR REMOVAL AND GENERAL DEMOLITION AND ALSO NEW CONSTRUCTION WORK (STAIR, STRUCT. STEEL, ETC.) PATCH AND REPAIR, OR PROVIDE NEW PARTITION AS REQ'D TO MATCH PREVIOUS EXIST. CONSTRUCTION
FINISHES AS REQ'D TO RECEIVE NEW FINISH AS INDICATED ON DWGS.

dates	REVISIONS
12/3/04	SUBMITTED TO DOT AUTHORITY FOR REVIEW
1/3/04	REVISED TO COMPLY WITH M-EA OF REFUSE CONCEPT
03/04	SUBMITTED TO DEPT. OF BUILDINGS FOR REVIEW AND GENERAL REVISIONS
11/6/04	SUBMITTED TO P.A. FOR REVIEW

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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

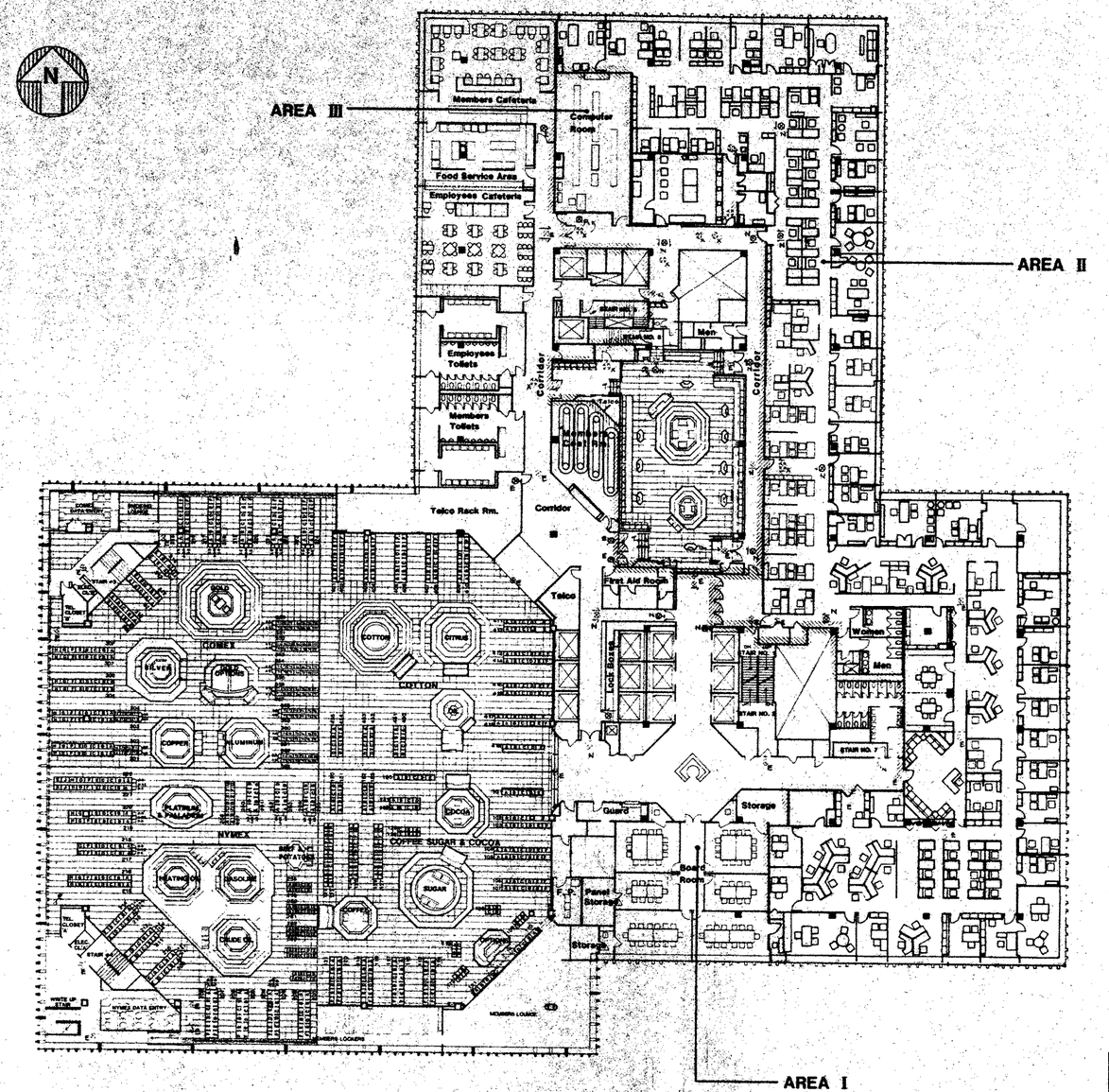
EGRESS UPGRADE
PHASE 1&2

dwg title:
7TH FLOOR KEY PLAN
AREAS OF WORK
SYMBOLS LEGEND

BONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 BROADWAY NEW YORK, NEW YORK 10007 (212) 964-8800

project 1056
scale 1/8" = 1'-0"
date 12/1/04

dwg no. L-2



8TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)

PORT AUTHORITY REQUIREMENTS FOR ALL CABLE WORK

CONDITION NO. 1 (Existing Conditions) — A ——— B

CONDITION NO. 2 — A ——— B - - - - C

CONDITION NO. 3 — A ——— B, C

CONDITION NO. 4 — A - - - - - - - - - - - - C

LEGEND

A. EXISTING SOURCE
B. EXISTING DESTINATION
—— EXISTING CABLE RUN (PVC OR OTHER)
- - - NEW CABLE RUN (NON-PVC)
RELOCATE INDICATION
C. NEW DESTINATION

NOTE: DEFINITION OF CABLES INCLUDES POWER, SIGNAL, AND TELEPHONE.

EXIT LIGHT LEGEND

- $\otimes_E$ EXISTING TO REMAIN
- $\otimes_R$ EXISTING TO RELOCATED
- $\otimes_X$ EXISTING TO BE REMOVED
- $\otimes_N$ NEW
- DIRECTIONAL (ON SIDE SHOWN)

NOTE: ALL EXIT LIGHTS ARE CIG-MNTD. (UNLESS OTHERWISE NOTED (I.C.)*S INDICATES WALL-MNTD.)

INDICATES EXISTING, UPGRADED EXISTING, AND NEW 2 HOUR RATED PARTITIONS

date	REVISIONS
09/04	SUBMITTED TO PORT AUTHORITY
11/04	SUBMITTED TO P.A. FOR REVIEW

CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 & 2

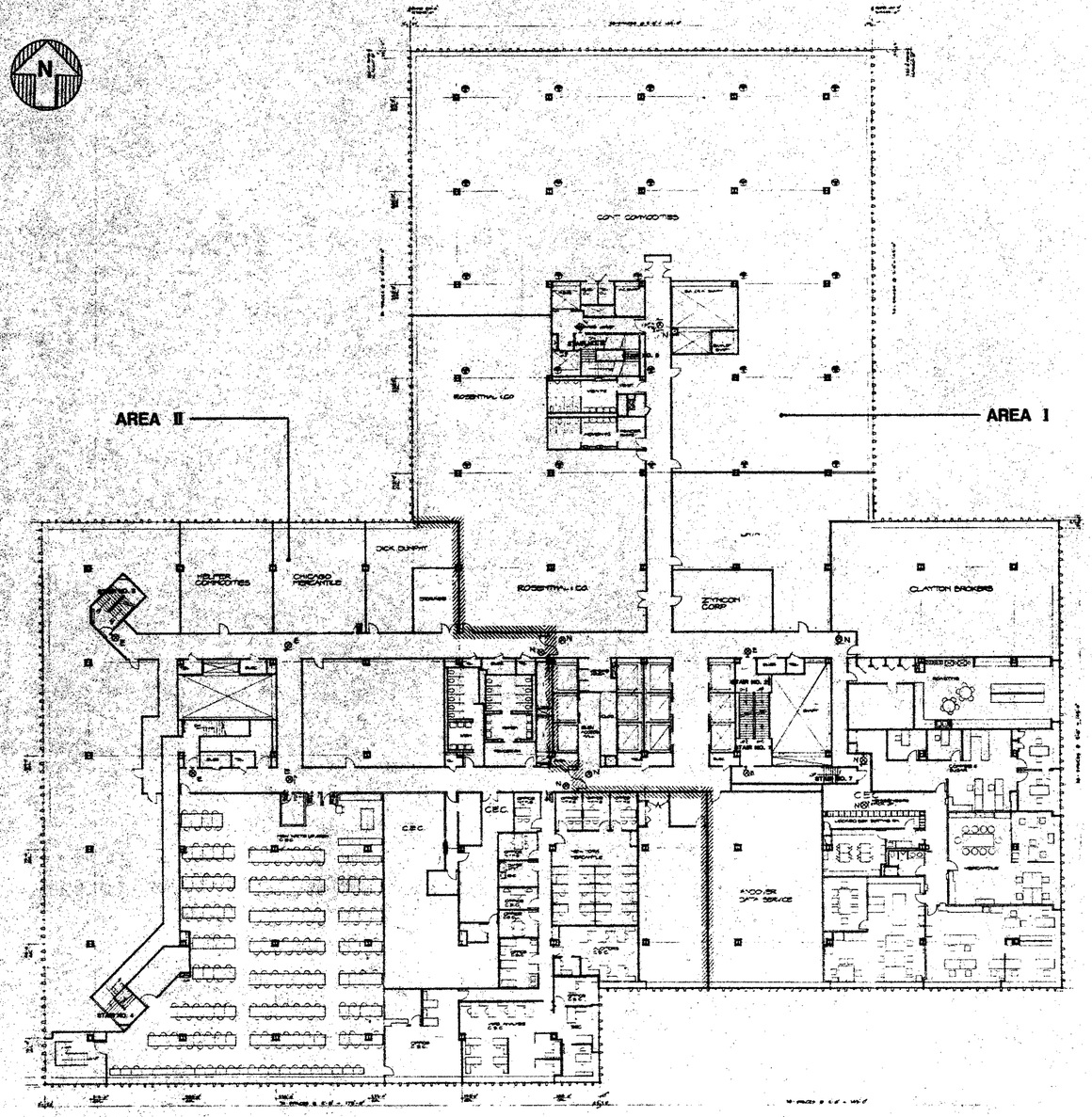
dwg. title:
8TH FLOOR
AREA OF REFUGE PLAN
(NEW CONDITIONS)

SONSINOREE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
270 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 886 9600

project 1930
scale NO SCALE
date 10/6/04

dwg no. L-3

date	REVISIONS	no.
10/8/84	SUBMITTED TO PORT AUTHORITY FOR REVIEW	
11/6/84	SUBMITTED TO P.A. FOR REVIEW	



7TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)

EXIT LIGHT LEGEND

- $\otimes_E$ EXISTING TO REMAIN
- $\otimes_R$ EXISTING TO RELOCATED
- $\otimes_X$ EXISTING TO BE REMOVED
- $\otimes_N$ NEW
- DIRECTIONAL (ON SIDE SHOWN)

NOTE: ALL EXIT LIGHTS ARE CLG-MNTD. UNLESS OTHERWISE NOTED. (i.e, W INDICATES WALL-MNTD.)

INDICATES EXISTING, UPGRADED EXISTING, AND NEW 2 HOUR RATED PARTITIONS

CEC

COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1 & 2

dwg. title:

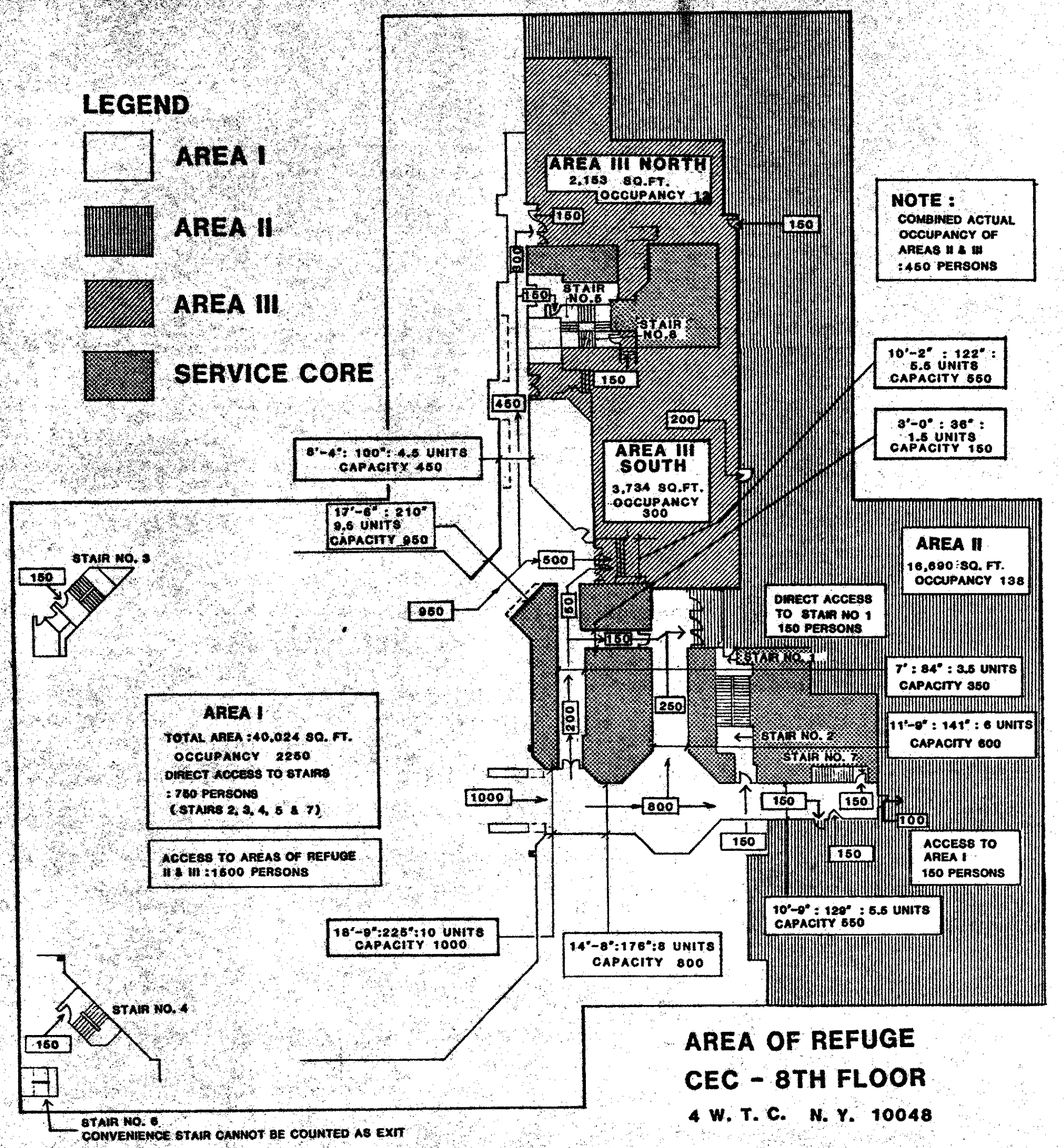
7TH FLOOR

AREA OF REFUGE PLAN (NEW CONDITIONS)

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-6600

project 1930
scale NO SCALE
date 10/8/84

dwg no. L-4



AREA OF REFUGE
CEC - 8TH FLOOR
4 W. T. C. N. Y. 10048

ANALYSIS:

A. EXIT REDUCTION C26-603.3)
If two (2) areas of refuge are provided, the number of persons for which vertical exits (stairs) must be provided can be reduced to 33 1/3% of the occupant load of the floor area. Occupancy Area I = 2,250 persons 2,250 x 33 1/3% = 750 persons. 750 persons require direct access to stair.

B. OCCUPANT LOAD C26-604.5b)
Areas of refuge must be adequate in size to hold the occupant load it receives from the area it serves, in addition to its own occupant load, allowing 3 square feet per person.
AREA I - 40,024 square feet
Normal Occupancy 2,250
Maximum Refuge Occupancy 300
Total 2,550
Refuge Area required = 2,550 persons x 3 square feet = 7,650 square feet.
AREA II - 16,690 square feet
Normal Occupancy 138
Maximum Refuge Occupancy 650
Total 788
Refuge Area required = 788 persons x 3,square feet = 2,464 square feet.
AREA III - North - 2,153 square feet
Normal Occupancy 12
Maximum Refuge Occupancy 300
Total 312
Refuge Area required =
312 x 3 square feet = 936 sq. ft.
Area III - South - 3,734 square feet
Normal Occupancy 300
Maximum Refuge Occupancy 550
Total 850
Refuge Area Required =
850 x 3 sq. ft. = 1,754 sq. ft.

C. REQUIRED EXITS (C26-604.5c)
Areas of refuge shall be provided with at least one (1) vertical exit (stair).

D. DETERMINATION OF EXIT STAIR CAPACITY (C26-600 TABLE 6-1)
See drawing No. S-10 for calculations.

E. HORIZONTAL EXIT CAPACITY (C26-600 TABLE 6-1)
1. Door Width = 3'-0" = 1 1/2 Units = 150 persons.
2. Door Width = 3'-8" = 2 Units = 200 persons.

F. EXIT PASSAGEWAY CAPACITY C26-604.3; TABLE 6-1)
1. 1 Unit = 22" = 100 persons.
2. 1/2 Unit = 12" = 50 persons.

G. TOTAL ACTUAL FLOOR OCCUPANCY (PROPOSED)
Area I 2,250 persons
Area II & III 450 persons
Total Floor Occupancy 2,700 persons

H. TOTAL DESIGN FLOOR OCCUPANCY (BASED ON STAIR CAPACITY AND 2 AREAS OF REFUGE)
Area I 2,250
Area II 450
Area III 450
Total Floor Occupancy 3,150

REVISIONS
SUBMITTED TO F.A. FOR REVIEW

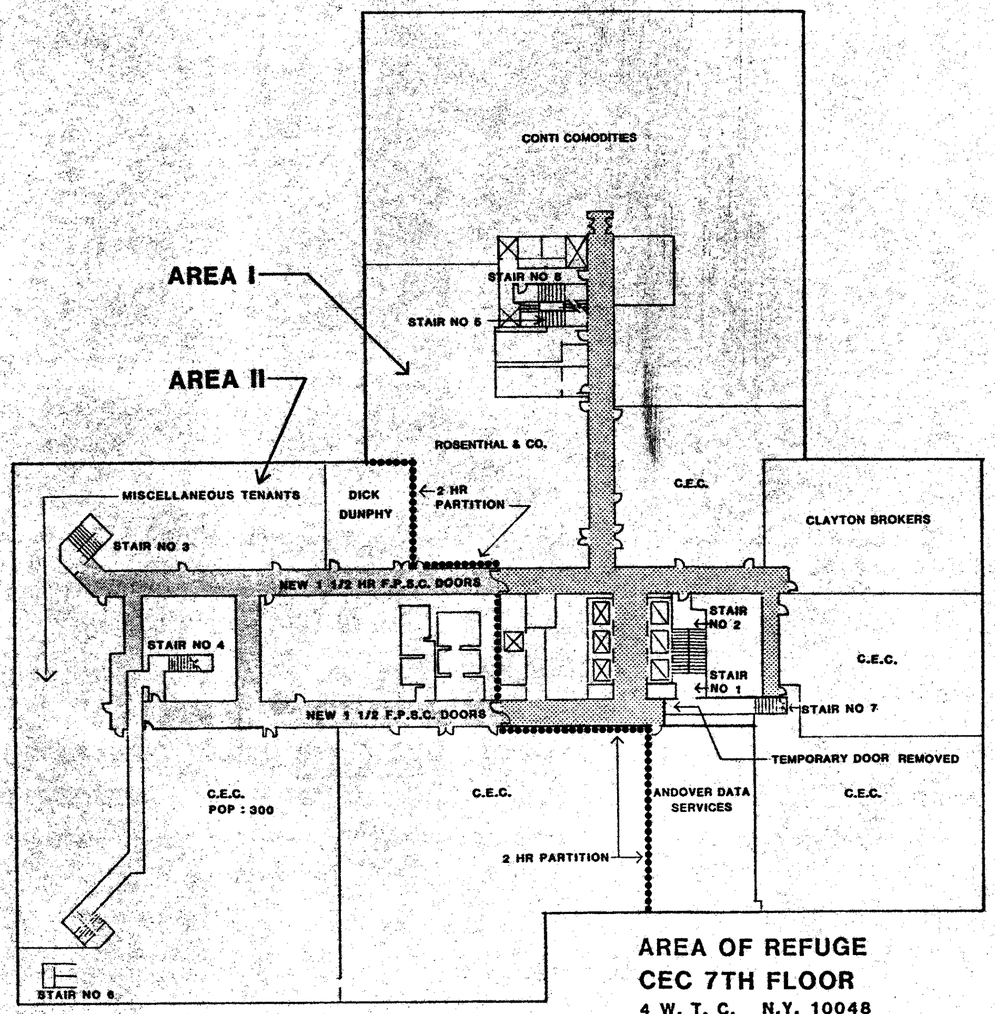
CEC
COMMODITIES EXCHANGE CENTER, INC.
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1&2

TITLE
8TH FLOOR
AREA OF REFUGE PLAN

SONSIONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 594-6900

project 1930
scale —
date 11/16/84
dwg. no. L-5



AREA OF REFUGE
CEC 7TH FLOOR
4 W. T. C. N.Y. 10048

ANALYSIS

A. Occupancy:

Area I - General Office Area = 37,000 square feet

Occupancy @ 1 person/100 square feet = 370 persons

Area II - CEC Write-Up = 6,760 square feet

Occupancy = 300 persons

General Office Area = 18,800 square feet

Occupancy @ 1 persons/100 square feet = 188 persons

Total Occupancy Area II = 488 persons

Total Occupancy 7th Floor = 858 persons

B. Exit Reduction (C26-603-3):

If one (1) area of refuge is provided, the number of persons for which vertical exits (stairs) must be provided can be reduced to 50% of the occupant load of the floor area. Therefore, persons requiring direct access to stairs are;

Area I = 370 persons x 50% = 185 persons

Area II = 488 persons x 50% = 244 persons

C. Stair Capacity:

Area I - 300 persons (Stairs 2 and 5)

Area II - 300 persons (Stairs 3 and 4)

D. Occupant Load (C26-604.56):

Areas of refuge must be adequate in size to hold the occupant load it receives from the area it serves, in addition to its own occupant load, allowing three (3) square feet per person.

Area I - Corridor Space = 2,777 square feet:

Normal Occupancy 370 persons

Maximum Refuge Occupancy 488 persons

Total 858 persons

Refuge area required = 858 persons x 3 square feet = 2,574 square feet.

Area II - Corridor Space = 2,694 square feet:

Normal Occupancy 488 persons

Maximum Refuge Occupancy 370 persons

Total 858 persons

Refuge Area required = 858 persons x 3 square feet = 2,574 square feet.

date	REVISIONS	no.
11/14/84	PER CITY REVIEW	A

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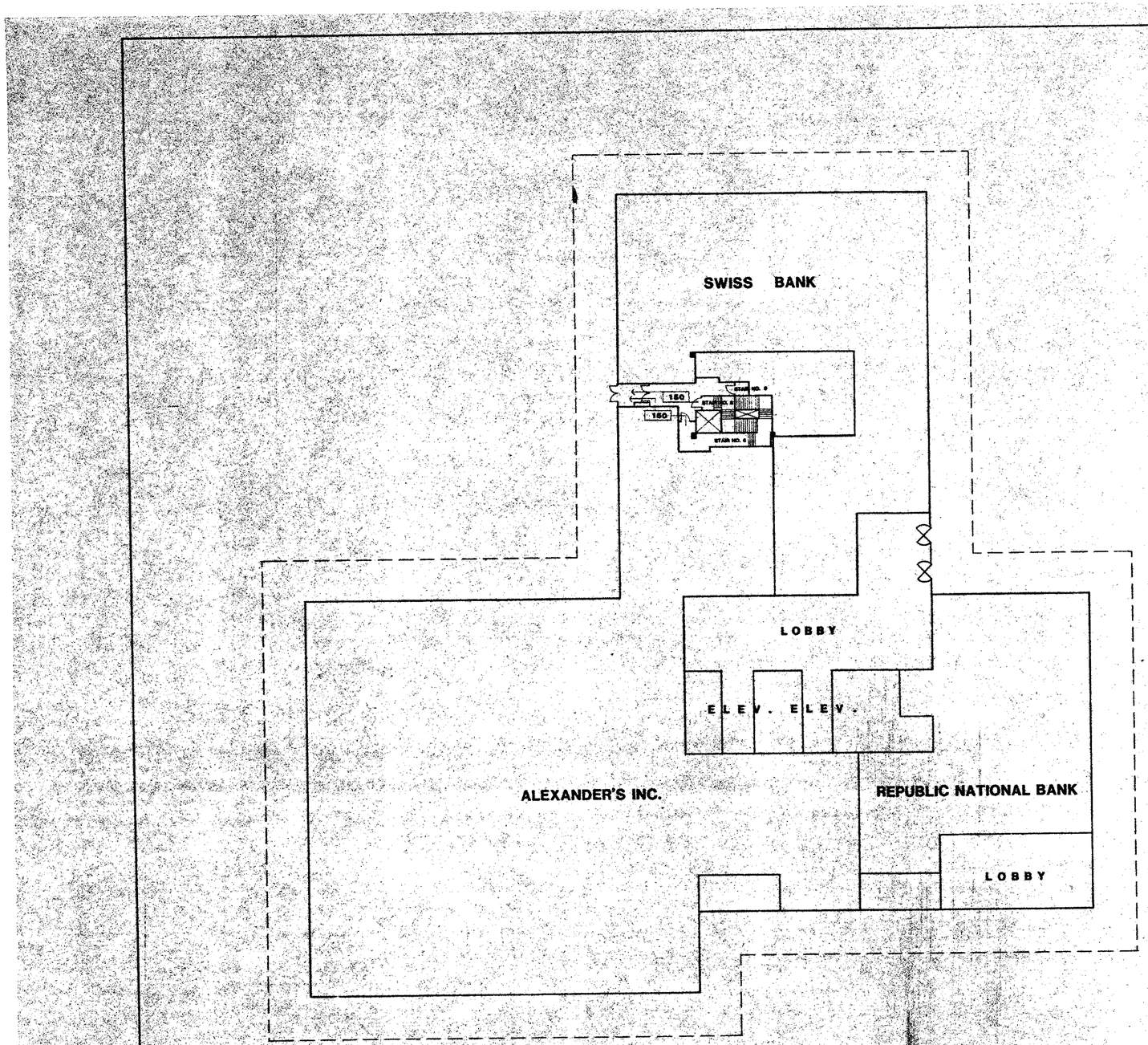
FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE
PHASE 1&2

TITLE
7TH FLOOR
AREA OF REFUGE PLAN

SONSIGNORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695 6800

project 1930
scale —
date 11/14/84
dwg. no. L-6



NOTE: SEE EXIT ANALYSIS DWG. L-5 & L-7

SIGNAGE SCHEDULE (STAIRS 5,7 & 8)

STAIR	FLOOR	TEXT	DOOR NO.
#5 & #6	2	FLOOR 2 EXIT THIS FLOOR	201, 202
#5	3	FLOOR 3 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	302
#8	4	FLOOR 4 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	402
#8	5	FLOOR 5 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	502
#5	6	FLOOR 6 RE-ENTRY ON THIS FLOOR	602
#8	7	FLOOR 7 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	702
#5 & #8	8	FLOOR 8 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	802 & 804
#5	9	FLOOR 9 NO RE-ENTRY NEAREST RE-ENTRY ON FLOOR 2 AND 6	EXIST. DOOR
#7	8	FLOOR 8 NO RE-ENTRY	805

NOTE: NEW SIGNAGE TO MATCH EXISTING SIGNAGE

date	REVISIONS	no.
11/16/84	SUBMITTED TO P.A. FOR REVIEW	

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FOUR WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

EGRESS UPGRADE PHASE 1&2

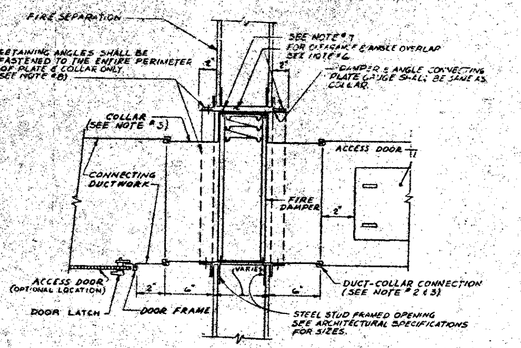
2ND FLOOR

AREA OF REFUGE PLAN

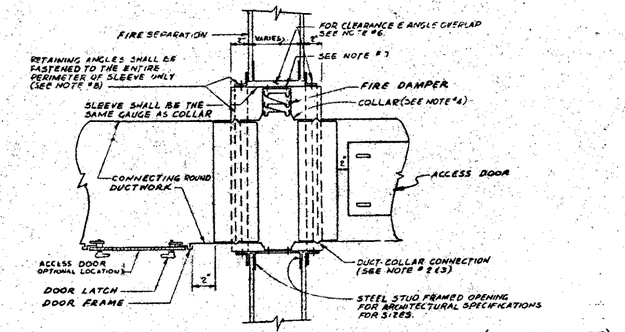
SONSIGNORE SPIGNATI & MAZZOTTA, P.E. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 695-6600

project 1930
scale —
date 11/16/84

dwg no. L-7



BRANCH OR MAIN DUCT WITH TYPE "B" FIRE DAMPER

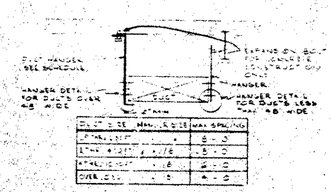


PERIPHERAL SUPPLY DUCT WITH TYPE "C" FIRE DAMPER (HIGH PRESSURE)

FIRE DAMPER NOTES

1. ALL FIRE DAMPERS SHALL BE RATED TO MAINTAIN THE RATING OF THE FIRE SEPARATION. THEY SHALL BE APPROVED AND LABELLED BY UNDERWRITER'S LABORATORIES (U.L.) AND BOARD OF STANDARDS AND APPEALS (B.S.A.). THE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S U.L. APPROVED INSTRUCTIONS. DAMPERS SHALL BE AS MANUFACTURED BY AIR BALANCE INC., AIR DAMPER MFG. CORP., AIRSTREAM PRODUCTS, INC. OR AN APPROVED EQUAL.
2. ALL DUCT-COLLAR CONNECTIONS SHALL COMPLY WITH AS-HRAE & SMACNA.
3. CONNECTIONS BETWEEN COLLAR AND DUCTWORK SHALL BE BREAKAWAY TYPE, SUCH AS "S" SLIP, CRIMP, OR OTHER SLIP TYPE IN ACCORDANCE WITH SMACNA PLATE 35A, 4TH. EDITION, AND PLATE 1, SMACNA FIRE DAMPER GUIDE, 1970.
4. [illegible] GAUGE FOR DUCTS IN [illegible] OF 24" OR GREATER IN WIDTH.
5. AFTER THE INSTALLATION OF DAMPERS, THE CONTRACTOR SHALL SEAL AND TAPE ALL JOINTS FOR AIR TIGHTNESS. SEALANTS USED SHALL BE 3M COMPANY NO. 8001 MIRACLE ADHESIVE CORPORATION OR AN APPROVED EQUAL AND GREY VINYL DUCT TAPE AS MANUFACTURED BY NASHUA CORPORATION OR AN APPROVED EQUAL.
6. TO ALLOW FOR EXPANSION, DAMPERS SHALL HAVE 1/8" TOP CLEARANCE EQUIVALENT TO 1/32" FOR EACH FOOT OF DAMPER HEIGHT. THE SIDE CLEARANCE SHALL BE 1/8", FOR EACH FOOT OF DAMPER WIDTH DIVIDED EQUALLY TO THE RIGHT AND LEFT OF THE COLLAR. THE MAXIMUM CLEARANCE FOR THE TOP AND THE TOTAL OF BOTH SIDES SHALL BE 1/2" EACH. THE RETAINING ANGLES SHALL BE 1-1/2" x 1-1/2" x 12 GAUGE BENT ANGLE, SO THAT THERE WILL BE A MINIMUM OF 1" OF OVERLAP ON THE FIRE SEPARATION.
7. DAMPER SHALL BE SECURED TO COLLAR WITH EITHER 1/2" TACKWELDS, NO. 10 SHEET METAL SCREWS, 1/4" DIA. NUTS AND BOLTS, OR 3/16" STEEL POP RIVETS, ALL 12" ON CENTER.
8. RETAINING ANGLES SHALL BE SECURED TO COLLAR, SLEEVE OR PLATE WITH EITHER 1/2" TACK WELDS, NO. 10 SHEETMAL SCREWS, 1/4" DIA. NUTS AND BOLTS, OR 3/16" STEEL POP RIVETS, ALL 8" ON CENTER.
9. WHERE THE HUNG CEILING DOES NOT HAVE REMOVABLE TILES, AN ACCESS DOOR (FIRE RATED WHERE REQUIRED) SHALL BE INSTALLED IN CEILING NEAR LOCATION OF FIRE DAMPER.
10. ALL RETAINING ANGLES SHALL BE GALVANIZED STEEL.
11. ALL ACCESS DOORS SHALL BE LOCATED SO THAT THERE WILL NOT BE ANY INTERFERENCES FOR MAINTENANCE AND INSPECTION OF DAMPER.

4. FIRE DAMPER COLLARS SHALL BE SAME GAUGE AS DUCTWORK WITH A MINIMUM OF 16 GAUGE FOR HIGH VELOCITY AS WELL AS RECTANGULAR DUCTWORK UP TO 36" WIDE. FOR DUCTS WIDER THAN 36", COLLARS SHALL BE 14 GAUGE.



DUCT SIZE	MAX. SPACING
2" THICK	8'-0"
1" THICK & 1/2"	5'-0"
1" THICK	4'-0"
OVER 2'-0"	3'-0"

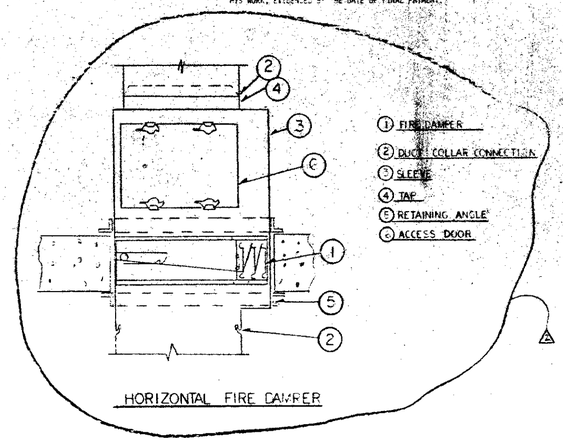
DUCT HANGING DETAIL AND SCHEDULE OF SUPPORTS

GENERAL NOTES

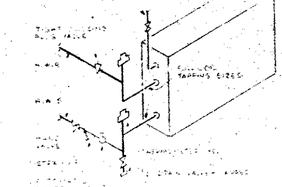
1. THIS WORK SHALL INCLUDE ALL LABOR, MATERIALS AND APPLIANCES NECESSARY FOR FURNISHING, INSTALLING, AND TESTING, COMPLETE AND READY FOR OPERATION, IN A MANNER SATISFACTORY TO THE OWNER. THE HVAC WORK REQUIRED BY THE DRAWINGS AND THESE GENERAL NOTES.
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AT THE SITE BEFORE STARTING WORK.
3. IT SHALL BE UNDERSTOOD THAT THE DRAWINGS SHOW THE GENERAL RUN OF PIPES, DUCTS, ETC., AND THE APPROXIMATE LOCATION OF APPARATUS. DO NOT SCALE THE DRAWINGS TO DETERMINE EXACT POSITIONS AND CLEARANCES.
4. BRING TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY ANY CHANGES IN THE SIZE OR LOCATION OF THE MATERIAL OR EQUIPMENT WHICH MAY BE NECESSARY IN ORDER TO MEET FIELD CONDITIONS OR IN ORDER TO AVOID CONFLICT WITH THE EQUIPMENT OF OTHER SECTIONS. OBTAIN THE ARCHITECT'S APPROVAL BEFORE SUCH DEVIATIONS ARE MADE.
5. THIS CONTRACTOR SHALL DISCONNECT ALL EXISTING PNEUMATIC CONTROLS AND RECONNECT THEM TO EQUIPMENT RELOCATED IN NEW LOCATIONS AS SHOWN ON THESE DRAWINGS.
6. RELATIONS WITH OTHER TRADES
   A. COORDINATE WORK WITH OTHER TRADES. CONFER WITH OTHER CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION AND ARRANGE ALL PARTS OF THIS WORK IN PROPER RELATION TO THE WORK AND EQUIPMENT OF OTHERS, WITH THE BUILDING CONSTRUCTION AND WITH ARCHITECTURAL FINISH SO THAT IT WILL HARMONIZE IN SERVICE AND APPEARANCE.
7. THE CONTRACTOR SHALL BALANCE ALL REGISTERS AND DIFFUSERS TO THE AIR QUANTITIES SHOWN ON THE DRAWINGS AND PROVIDE A COPY OF THE MEASURED AIR QUANTITIES TO THE ARCHITECT.
8. ALL AREAS WHERE THE DUCTWORK IN THE HUNG CEILING WILL NOT BE ACCESSIBLE SHALL BE PRE-BALANCED BEFORE THE CEILING IS INSTALLED.
9. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL DUCTWORK AND CONTROLS.
10. THIS CONTRACTOR SHALL FURNISH, UNDER THIS CONTRACT, A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY, AT HIS OWN EXPENSE, ANY WORKMANSHIP IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF HIS WORK, EVIDENCED BY THE DATE OF FINAL PAYMENT.

SYMBOL LIST

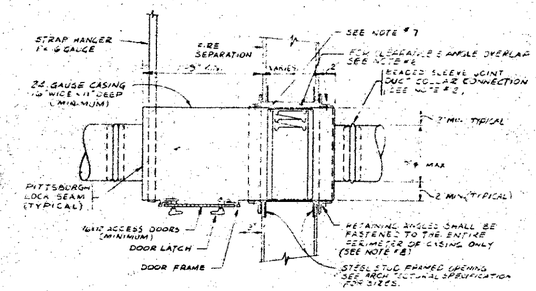
- - - - - -	EXISTING WORK TO BE REMOVED
———	EXISTING WORK TO REMAIN
———	NEW WORK
(E)	EXISTING TO REMAIN
(ER)	EXISTING WORK RELOCATED
(R)	REMOVE EXISTING
FD & AD	FIRE DAMPER & ACCESS DOOR
IRS-IRR	INTERIOR REHEAT SUPPLY & RETURN
CFM	CUBIC FEET PER MINUTE
VD	VOLUME DAMPER
CR	CEILING RETURN REGISTER
RA	RETURN AIR
SA	SUPPLY AIR
WMS	WIRE MESH SCREEN
RCW	HOT WATER REHEAT COIL
AV	AIR VALVE
M	MOTOR
NC	CONNECT NEW WORK INTO EXIST.



HORIZONTAL FIRE DAMPER



HOT WATER REHEAT COIL PIPING



DETAIL OF FINGER OR FLEXIBLE ROUND DUCT WITH TYPE 'B' FIRE DAMPER

date	REVISIONS	no.
2-21-94	SUBMITTED TO FA FOR REVIEW	
9-7-94	REVISED AS PER FA COMMENT	1
10-5-94	SUBMITTED TO FA FOR RE-REVIEW	
10-31-94	REVISED AS PER FA COMMENT	2
11-4-94	SUBMITTED TO FA FOR RE-REVIEW	

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EGRESS UPGRADE
PHASE 1&2 AREAS
C, D, H, B & G

dwg title:
NOTES & DETAILS

MSJ MEYER STRONG & JONES, PC
MECHANICAL & ELECTRICAL ENGINEERS
230 PARK AVE NEW YORK, N.Y. 10169

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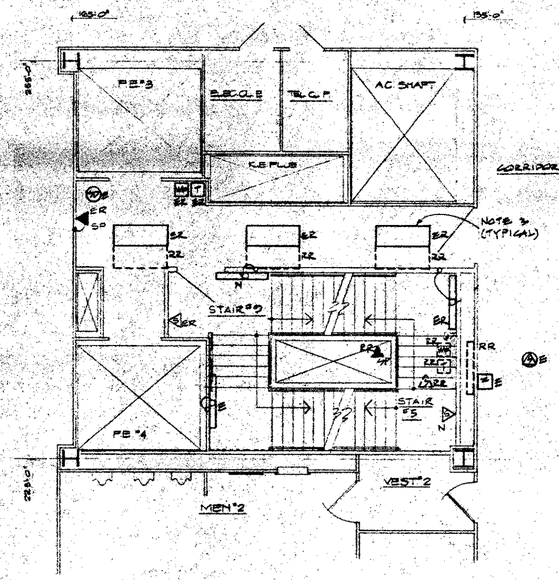
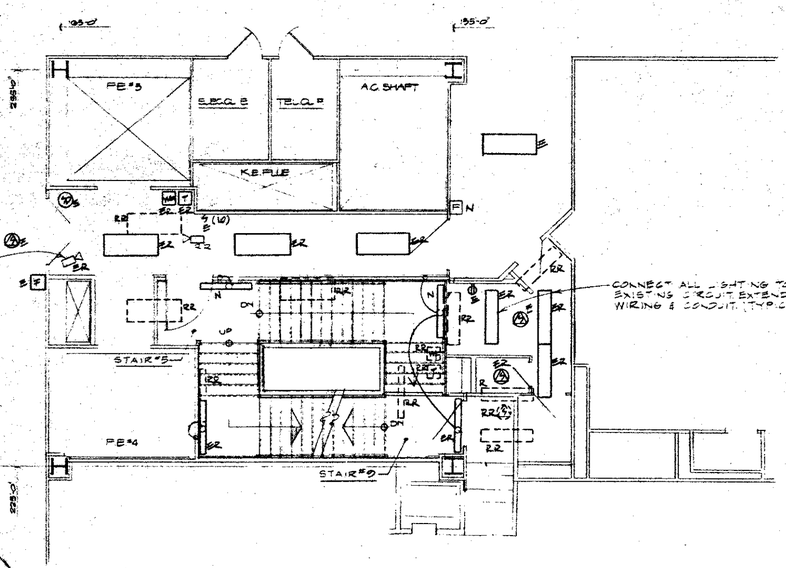
270 SEVENTH AVENUE NEW YORK NEW YORK 10001 (212) 924-8900

project 1936
scale AS NOTED
date 2-21-94

dwg no.
M 9



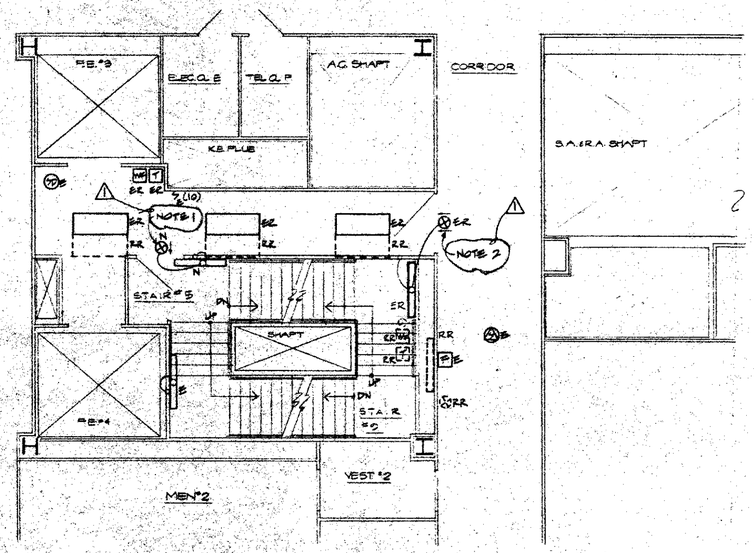
PART PLAN OF 7TH FLOOR
SCALE: 1/4"=1'-0"



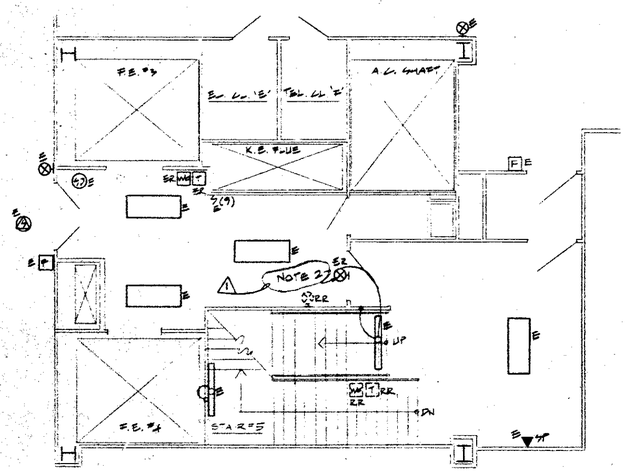
PART PLAN OF 8TH FLOOR
SCALE: 1/4"=1'-0"

NOTES:

1. NEW EXIT SIGNS/STAIR LIGHTS SHALL BE CONNECTED TO A SPARE CIRCUIT IN EXISTING EMERGENCY PANEL 'ERP3E' IN ELECTRIC CLOSET 'E' ON 3RD FLOOR. DO NOT EXCEED 20 OUTLETS PER CIRCUIT.
2. EXISTING RELOCATED EXIT SIGNS/STAIR LIGHTS SHALL BE CONNECTED TO THE SAME CIRCUIT. EXTEND WIRING & CONDUIT TO THE NEW LOCATION.
3. FOR EXISTING RELOCATED LIGHTING FIXTURES, EXTEND EXISTING WIRING AND CONDUIT TO THE NEW LOCATION.



PART PLAN OF 6TH FLOOR
SCALE: 1/4"=1'-0"



PART PLAN OF 9TH FLOOR
SCALE: 1/4"=1'-0"

date	REVISIONS
2-21-84	SUBMITTED TO P.A. FOR REVIEW.
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10-9-84	SUBMITTED TO P.A. FOR REVIEW
11-16-84	GENERAL REVISION SUBMITTED TO P.A. FOR REVIEW.

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EGRESS UPGRADE
PHASE 2
AREA D

PART PLANS - 6TH, 7TH, 8TH & 9TH FLOOR LIGHTING, POWER & SIGNAL

M.S.J. MILLER

SONSIONORE BRIGNATI & MAZZOTTA, P.C. ARCHITECTS
370 SEVENTH AVENUE NEW YORK, NEW YORK 10001 (212) 868 8900

project 1930
scale AS NOTED
date 2-21-84

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EGRESS UPGRADE — PHASE I & II

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LIST OF DRAWINGS

ARCHITECTURAL

L-1	9TH FLOOR KEY PLAN, AREAS OF WORK, LIST OF DRAWINGS
L-2	7TH FLOOR KEY PLAN, AREAS OF WORK, SYMBOLS LEGEND
L-3	8TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)
L-4	9TH FLOOR AREA OF REFUGE PLAN (NEW CONDITIONS)
L-5	8TH FLOOR AREA OF REFUGE PLAN
L-6	7TH FLOOR AREA OF REFUGE PLAN
L-7	2ND FLOOR AREA OF REFUGE PLAN

PHASE I

1-A-1	7TH & 8TH FLOOR DEMOLITION PLANS, CONSTRUCTION PLANS
1-A-2	PLANS, SECTIONS, DETAILS.
1-A-3	7TH FLOOR DEMOLITION/CONSTRUCTION PLAN, CABINET ELEVATION, DETAILS
1-A-4	7TH FLOOR OCCUPANCY PLAN/CABINET ELEVATIONS, DETAILS
1-A-5	7TH FLOOR REFLECTED CEILING PLAN, CABINET ELEVATIONS, DETAILS
1-A-6	7TH FLOOR FINISH PLAN, CABINET ELEVATIONS, DETAILS
1-A-7	8TH FLOOR CONSTRUCTION/DEMOLITION PLANS, REFLECTED CEILING PLAN, SECTIONS
1-A-8	8TH FLOOR CABINET DETAILS
1-A-9	7TH & 8TH FLOOR PART PLANS
1-A-10	7TH FLOOR PART PLAN, FINISH SCHEDULE
1-A-11	8th FLOOR DEMOLITION/CONSTRUCTION PLAN, REFLECTED CEILING PLAN, FINISH PLAN DETAILS
1-A-12	8TH FLOOR DEMOLITION/CONSTRUCTION PLAN REFLECTED CEILING PLAN, FINISH PLAN, DETAILS
1-A-13	TOILET PLANS, ELEVATIONS AND DETAILS

PHASE II

2-A-11	2ND FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN, FINISH PLAN
2-A-12	3RD FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN, FINISH PLAN
2-A-13	4TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-14	5TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-15	6TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-16	7TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-17	8TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-18	9TH FLOOR DEMOLITION PLAN, CONSTRUCTION PLAN, REFLECTED CEILING PLAN
2-A-19	VERTICAL STAIR SECTIONS

PHASE I & II

A-20	STAIR SECTIONS AND DETAILS
A-21	STAIR SECTIONS AND DETAILS
A-22	MISCELLANEOUS DETAILS
A-23	DOOR AND HARDWARE SCHEDULE, FRAME TYPES, PARTITION TYPES, SADDLE TYPES

STRUCTURAL

PHASE I & II

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742-11	GENERAL NOTES
742-12	GENERAL NOTES
742-13	GENERAL NOTES
742-14	UNASSIGNED

PHASE I

742-15	STAIR NO. 7 FRAMING PLAN 7TH & 8TH FLOOR
742-16	UNASSIGNED
742-17	UNASSIGNED
742-18	UNASSIGNED
742-19	UNASSIGNED
742-20	UNASSIGNED

PHASE II

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742-22	FRAMING PLAN FLOOR 3
742-23	FRAMING PLAN FLOOR 4
742-24	FRAMING PLAN FLOOR 4 INTERMEDIATE
742-25	FRAMING PLAN FLOOR 5
742-26	FRAMING PLAN FLOOR 6
742-27	FRAMING PLAN FLOOR 7
742-28	FRAMING PLAN FLOOR 8
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742-30	FRAMING PLAN ROOF
742-31	SKET BEAM DETAILS
742-32	TOWER FLOOR 3 TO 6
742-33	TOWER DETAILS
742-34	TOWER DETAILS
742-35	UNASSIGNED
742-36	UNASSIGNED
742-37	UNASSIGNED
742-38	UNASSIGNED
742-39	UNASSIGNED
742-40	UNASSIGNED
742-41	DETAILS
742-42	DETAILS
742-43	DETAILS
742-44	DETAILS
742-45	DETAILS
742-46	DETAILS
742-47	DETAILS
742-48	DETAILS

MECHANICAL

PHASE I

1-M-1	7TH & 8TH FLOOR DUCTWORK PLANS
1-M-2	7TH FLOOR DUCTWORK PLAN AT ROASTING AREA
1-M-3	7TH & 8TH FLOOR DUCTWORK PLANS
1-M-4	7th FLOOR PART PLANS/2 HR FIRE SEPARATION
1-M-5	8th FLOOR DUCTWORK PART PLANS
1-M-6	8TH FLOOR DUCTWORK PART PLANS

PHASE II

2-M-1	2ND FLOOR DUCTWORK PLANS
2-M-2	3RD FLOOR DUCTWORK PLANS
2-M-3	4TH FLOOR DUCTWORK PLANS
2-M-4	5TH FLOOR DUCTWORK PLANS
2-M-5	6TH FLOOR DUCTWORK PLANS
2-M-6	7TH FLOOR DUCTWORK PLANS
2-M-7	8TH FLOOR DUCTWORK PLANS
2-M-8	9TH FLOOR DUCTWORK PLANS

PHASE I & II

M-9	NOTES AND DETAILS

PLUMBING

PHASE I

1-P-1	PART PLANS - 7TH & 8TH FLOOR PLUMBING
1-P-2	7TH & 8TH FLOOR PLUMBING PART PLANS

PHASE II

2-P-1	PART PLANS - 2ND FLOOR PLUMBING
2-P-2	PART PLANS - 7TH FLOOR PLUMBING
2-P-3	PART PLANS - 8TH FLOOR PLUMBING

SPRINKLER

PHASE I

1-SPR-1	PART PLANS - 7TH & 8TH FLOOR SPRINKLER
1-SPR-2	PART PLAN - 7TH FLOOR SPRINKLER
1-SPR-3	PART PLANS - 7TH & 8TH FLOOR SPRINKLER
1-SPR-4	7th & 8TH FLOOR SPRINKLER PART PLANS
1-SPR-5	8TH FLOOR SPRINKLER PART PLANS

PHASE II

2-SPR-1	PART PLANS - 2ND FLOOR SPRINKLER
2-SPR-2	PART PLANS - 3RD FLOOR SPRINKLER
2-SPR-3	PART PLANS - 4TH FLOOR SPRINKLER
2-SPR-4	PART PLANS - 5TH FLOOR SPRINKLER
2-SPR-5	PART PLANS - 6TH FLOOR SPRINKLER
2-SPR-6	PART PLANS - 7TH FLOOR SPRINKLER
2-SPR-7	PART PLANS - 8TH FLOOR SPRINKLER
2-SPR-8	PART PLANS - 9TH FLOOR SPRINKLER .
2-SPR-9	FIRE STANDPIPE AND SPRINKLER RISER DIAGRAMS

ELECTRICAL

PHASE I

1-E-1	7TH FLOOR POWER PLAN
1-E-2	7TH FLOOR LIGHTING PLAN
1-E-3	PART PLANS - 7TH & 8TH FLOOR LIGHTING, POWER AND SIGNAL
1-E-4	8TH FLOOR LIGHTING AND POWER PART PLANS
1-E-5	8TH FLOOR EXIT LIGHTING PLAN
1-E-6	7TH FLOOR EXIT LIGHTING PLAN

PHASE II

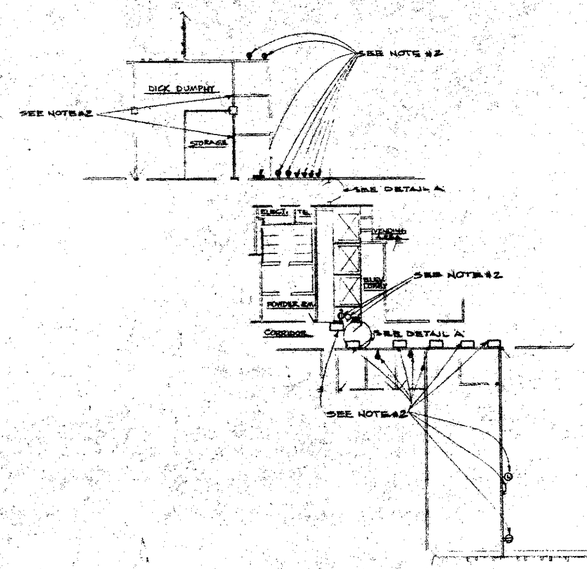
2-E-1	PART PLANS - 2ND, 3RD, 4TH & 5TH FLOOR LIGHTING, POWER AND SIGNAL
2-E-2	PART PLANS - 6TH, 7TH, 8TH & 9TH FLOOR LIGHTING, POWER AND SIGNAL

PHASE I & II

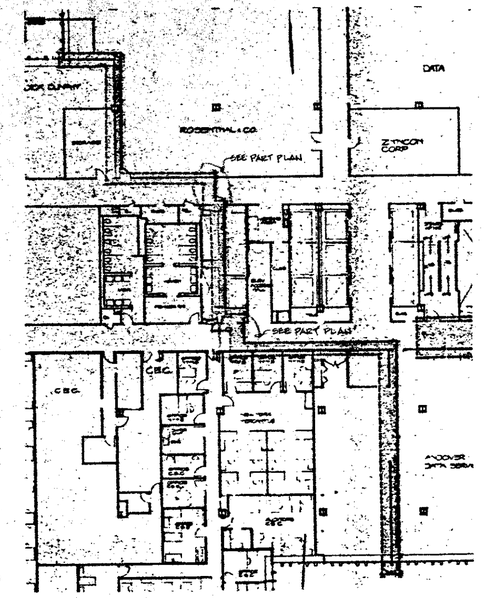
E-3	SYMBOLS AND SPECIFICATIONS

LIGHTING FIXTURES SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	ALCPT. MFGR.	LAMPS	REMARKS
'A'	FLUORESCENT SURFACE WALL MOUNTED EXIT SIGN. SIGN SHALL HAVE AN INTEGRALLY MOUNTED SELF-CONTAINED EMERGENCY BATTERY PACK SUITABLE FOR 277 V OPERATION.	MC PHILBEN E90W-BF277V		(2)FBTS	*PROVIDE DIRECTIONAL ARROWS AS SHOWN ON THE DWG'S.
'B'	SAME AS ABOVE, EXCEPT CEILING MOUNTED.	MC PHILBEN E40C-BF277V		(2)FBTS	SAME AS ABOVE.



PART PLAN OF 7TH FLOOR LIGHTING & POWER - AREA 'F'
SCALE 1/16"=1'0"



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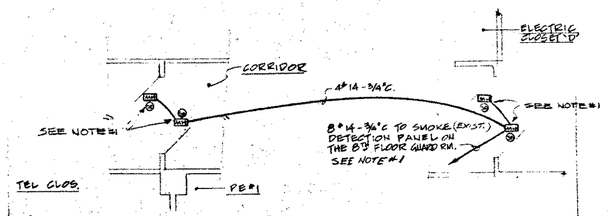
SYMBOL LIST:

- 2'X4' FLUORESCENT LIGHTING FIXTURE
- 1'X4' FLUORESCENT LIGHTING FIXTURE
- COVE LIGHT
- INCANDESCENT LIGHTING FIXTURE
- EMERGENCY LIGHTING FIXTURE
- S (10) — SINGLE POLE SWITCH. NUMBER DENOTES NO. OF SWITCHES.
- EXIT LIGHT - CEILING MOUNTED. DIRECTIONAL ARROW AS SHOWN.
- EXIT LIGHT - WALL MOUNTED
- SPEAKER - CEILING MOUNTED
- SPEAKER - WALL MOUNTED
- FIRE ALARM STATION
- SD — SMOKE DETECTOR
- WF — WATERFLOW SWITCH
- T — TAMPER SWITCH
- CR — CARD KEY
- DC — DOOR CONTACT
- ES — ELECTRIC STRIKE
- TI — TERMINAL INTERFACE (IN CEILING)
- K — DOOR RELEASE BUTTON (CARD KEY)
- PUSH BUTTON (CHIME)
- WALL MOUNTED DUPLEX RECEPTACLE
- FLOOR MOUNTED DUPLEX RECEPTACLE
- WALL MOUNTED TELEPHONE OUTLET
- SP — STAND PIPE TELEPHONE
- FLOOR MOUNTED TELEPHONE OUTLET
- WALL MOUNTED SIGNAL OUTLET
- CLOCK OUTLET
- PLUGMOLD
- EXISTING UNDERFLOOR DUCT SYSTEM
- E — EXISTING TO REMAIN
- R — REMOVE
- RR — REMOVE AND RELOCATE
- ER — EXISTING RELOCATED
- N — NEW
- I — INTERCOM
- CONDUIT UP
- CONDUIT DOWN
- J — CEILING MOUNTED JUNCTION BOX
- JH — WALL MOUNTED JUNCTION BOX
- WIRING & CONDUIT
- MH — MAGNETIC DOOR HOLDER
- POWER OR LIGHTING PANEL

LIGHTING FIXTURES NOTES:

1. FLUORESCENT LIGHTING FIXTURES INDICATED NEW SHALL BE PORT AUTHORITY BUILDING STANDARD. ELECTRICAL CONTRACTOR SHALL PURCHASE LIGHTING FIXTURES FROM THE PORT AUTHORITY AND INSTALL THEM.



PART PLANS OF 7TH FLOOR (DETAIL 'A')
SCALE: 1/4"=1'-0"

NOTES:
1. COMBINATION SMOKE DETECTION & DOOR HOLDER FURNISHED BY OTHERS. WIRE & INSTALLED BY ELECTRICAL CONTRACTOR. (RAMSON - FIRE-MARK)
2. LIGHTING FIXTURE, SWITCHES TELEPHONE & POWER OUTLET LIGHTING OR POWER PANELS AND OTHER ELECTRICAL DEVICES ALONG THE NEW 2 HR. FIRE RATED WALLS SHALL BE BROUGHT OUT TO THE NEW WALL SURFACE.

date	REVISIONS	#
2-21-84	SUBMITTED TO P.A. FOR REVIEW.	
4/5/84	SUBMITTED TO P.A. FOR REVIEW & GENERAL REVISIONS	1
11/5/84	SUBMITTED TO P.A. FOR REVIEW.	

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EGRESS UPGRADE
PHASE 1 & 2

7TH FLOOR SYMBOLS AND LIGHTING FIXTURE SCHEDULE

project 1930
scale NONE
date 2-21-84

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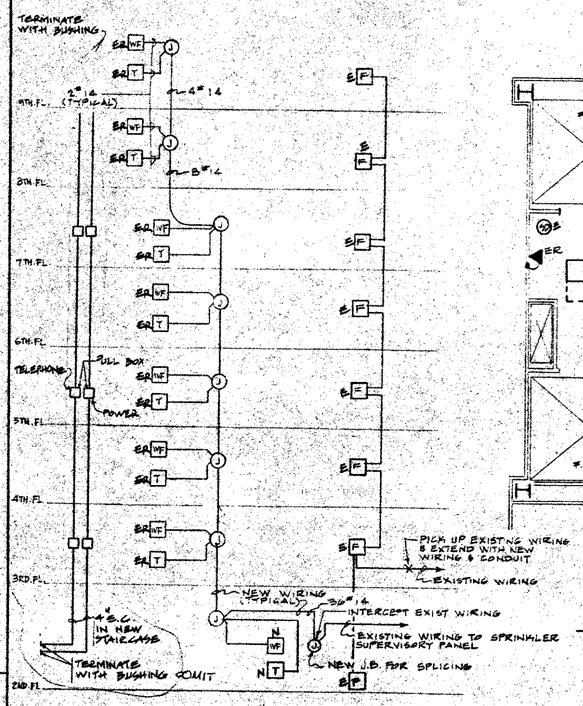
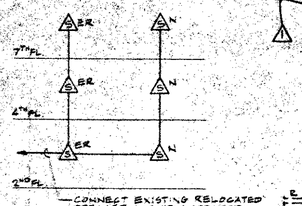
date	REVISIONS	no.
2-21-84	SUBMITTED TO P.A. FOR REVIEW	
9-7-84	REVISED AS PER P.A. COMMENTS.	1
11/6/84	SUBMITTED TO P.A. FOR REVIEW	
11-6-84	GENERAL REVISION. SUBMITTED TO P.A. FOR REVIEW.	2



SPRINKLER WATER FLOW & FIRE ALARM SYSTEM RISER

SCALE: NOT TO SCALE

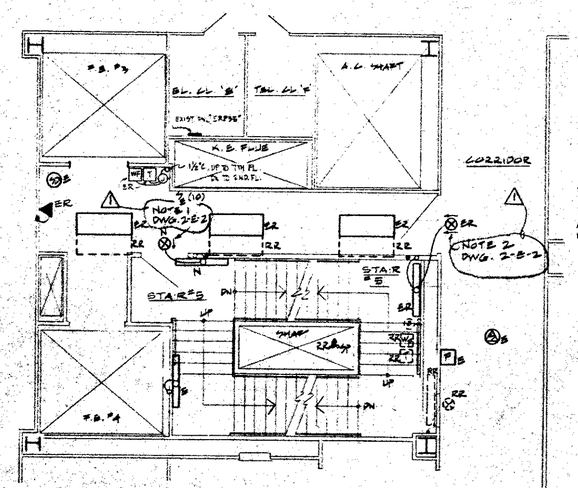
NOTE 1. WATERFLOW SWITCH & TAMPER SWITCH SHALL BE CONNECTED WITH TEFLON INSULATED WIRE RUN IN RIGID STEEL CONDUIT.



STAIR SPEAKER RISER

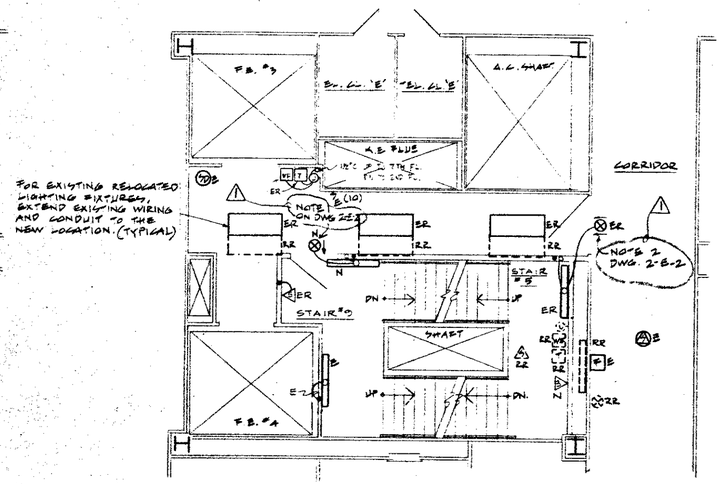
SCALE: NOT TO SCALE

NOTES:
1. NEW SPEAKER SHALL MATCH EXISTING STAIR SPEAKER. COVERAGE SHALL BE THE SAME AS EXISTING.
2. SPEAKER SHALL BE CONNECTED WITH TEFLON INSULATED WIRE RUN IN RIGID STEEL CONDUIT.



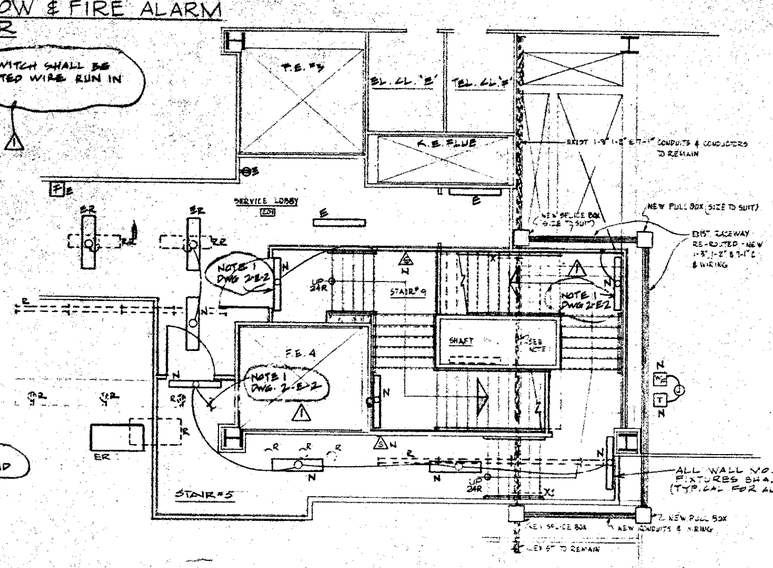
PART PLAN OF 3RD FLOOR

SCALE: 1/4" = 1'-0"



PART PLAN OF 4TH FLOOR

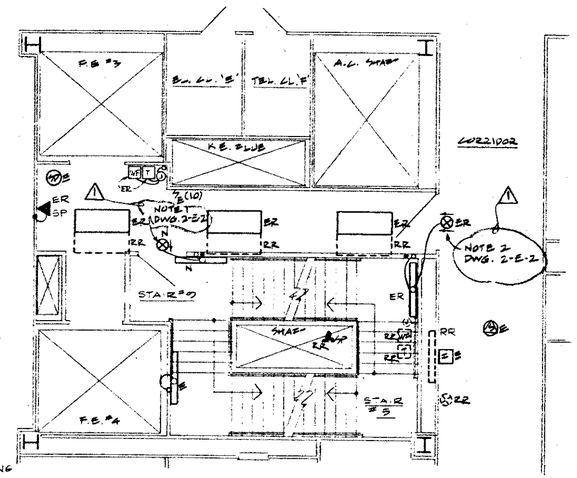
SCALE: 1/4" = 1'-0"



PART PLAN OF SECOND FLOOR

SCALE: 1/4" = 1'-0"

NOTE - 1. INTERCEPT EXIST. 1-3", 1-2" & 1-1" RACEWAY AT X.X. AND REMOVE SECTION "X-X" COMPLETELY.



PART PLAN OF 5TH FLOOR

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EGRESS UPGRADE
PHASE 2
AREA D

PART PLANS - 2ND, 3RD, 4TH & 5TH FLOOR LIGHTING, POWER & SIGNAL

project 1930
scale AS NOTED
date 2-21-84

dwg no. 2-E-1

NEW YORK CITY BUILDING CODE CALCULATIONS

OCCUPANCY CLASS:
F-1 ASSEMBLY WITH ACCESSORY OCCUPANCIES

STAIR CAPACITY: (NYC BLDG. CODE TABLES 5-L, 8-B)

STAIR NO. 1: STAIR - 2 EA. @ 60 P./EA. = 120 P.
DOOR - 1.5 EA. @ 88 P./EA. = 129 P.
CAPACITY = 120 PERSONS

STAIR NO. 2: STAIR - 2 EA. @ 60 P./EA. = 120 P.
DOOR - 1.5 EA. @ 88 P./EA. = 129 P.
CAPACITY = 120 PERSONS

STAIR NO. 3: STAIR - 2.5 EA. @ 60 P./EA. = 150 P.
DOOR - 2 EA. @ 100 P./EA. = 200 P.
CAPACITY = 150 PERSONS

OCCUPANT LOAD: (NYC BLDG. CODE SECTION 27-367)

ASSEMBLY AREAS: 1072 PERSONS (PATRONS AND STAFF)
OTHER STAFF: 58 PERSONS
TOTAL OCCUPANT LOAD = 1130 PERSONS

TOTAL STAIR CAPACITY = 390 P. @ 3 AREAS OF REFUGE = 1170 PERSONS
TOTAL FLOOR CAPACITY

1130 P.(OCCUPANT LOAD) < 1170 P.(FLOOR CAPACITY)

NOTE: EACH STAIR IS ASSIGNED TO AN AREA OF REFUGE IN ADDITION.
ALL STAIRS ARE INSTANTLY ACCESSIBLE BY COMMON EXIT PASSAGES.

NUMBER OF EXITS FROM FLOOR: (NYC BLDG. CODE SECTION 27-368)

PLACE OF ASSEMBLY NO. 1: 444 P. ASSEMBLY SPACE OCCUPANT LOAD
BANQUET FOR 500 PERSONS 3 EXITS FROM THE FLOOR ARE REQUIRED
THERE ARE 3 EXIT STAIRS

PLACE OF ASSEMBLY NO. 2: 333 P. ASSEMBLY SPACE OCCUPANT LOAD
BAR FOR 500 PERSONS 3 EXITS FROM THE FLOOR ARE REQUIRED
THERE ARE 3 EXIT STAIRS

PLACE OF ASSEMBLY NO. 3: 295 P. ASSEMBLY SPACE OCCUPANT LOAD
RESTAURANT FOR 500 PERSONS 3 EXITS FROM THE FLOOR ARE REQUIRED
THERE ARE 3 EXIT STAIRS

TRAVEL DISTANCES: (NYC BLDG. CODE TABLES 8-L, 8-D)

OCCUPANCY CLASS F-1:
PASSAGE - 127'-0" (SPRINKLED)
SECONDARY - 200'-0" (SPRINKLED)
OCCUPANCY CLASS B: 300'-0"
OCCUPANCY CLASS B-2: 200'-0"
OCCUPANCY CLASS B-1: 150'-0"
OCCUPANCY CLASS B-2: 175'-0"
OCCUPANCY CLASS D: 200'-0"

FIRE SEPARATION/DIVISION BETWEEN OCCUPANCIES: (NYC BLDG. CODE TABLE 5-D)

BUILDING OCCUPANCY - E BUSINESS - FIRE INDEX 2

BETWEEN OCCUPANCIES:

F-1 AT FIX INDEX 1)	B-2 FIX INDEX 2)	NO REQUIREMENT
F-1 AT FIX INDEX 1)	B-1 FIX INDEX 3)	2 HOUR RATED DIVISION
F-1 AT FIX INDEX 1)	B-2 FIX INDEX 2)	NO REQUIREMENT
F-1 AT FIX INDEX 2)	F-1 FIX INDEX 2)	NO REQUIREMENT
F-1 AT FIX INDEX 1)	D FIX INDEX 2)	NO REQUIREMENT
D FIX INDEX 2)	D FIX INDEX 2)	NO REQUIREMENT
D FIX INDEX 2)	B-1 FIX INDEX 3)	3 HOUR RATED DIVISION
D FIX INDEX 2)	B-2 FIX INDEX 2)	NO REQUIREMENT
D FIX INDEX 2)	B-1 FIX INDEX 3)	3 HOUR RATED DIVISION
D FIX INDEX 2)	B-2 FIX INDEX 2)	NO REQUIREMENT

DOOR CAPACITIES: (NYC BLDG. CODE TABLES 5-L, 8-D)

OCCUPANCY F-1:
FIRST ASSEMBLY SPACE - 100 PERSONS/EA.
FROM NEXT AREA = 100 PERSONS/EA.
OTHER SPACE = 100 PERSONS/EA.
OCCUPANCY F-1: 100 PERSONS/EA.
OCCUPANCY B: 100 PERSONS/EA.
OCCUPANCY B-2: 100 PERSONS/EA.
OCCUPANCY B-1: 100 PERSONS/EA.
OCCUPANCY D: 100 PERSONS/EA.

NOTE: -ALL DOORS IN 2 HOUR RATED WALLS ARE 3/4" LABEL, SELF CLOSING.
-ALL DOORS IN 1 HOUR RATED WALLS ARE 3/4 LABEL, SELF CLOSING.

CORRIDORS, EXIT PASSAGEWAYS AND SAFE AREA CAPACITIES: (NYC BLDG. CODE TABLES 8-L, 8-D)

OCCUPANCY F-1: 100 PERSONS/EA. (7'-0" MIN. WIDTH, SAFE AREA = 2'-0" MIN. WIDTH)
OCCUPANCY B: 100 PERSONS/EA. (5'-0" MIN. WIDTH)
OCCUPANCY B-2: 100 PERSONS/EA. (5'-0" MIN. WIDTH)
OCCUPANCY B-1: 75 PERSONS/EA. (5'-0" MIN. WIDTH)
OCCUPANCY B-2: 75 PERSONS/EA. (5'-0" MIN. WIDTH)
OCCUPANCY D: 100 PERSONS/EA. (5'-0" MIN. WIDTH)

KEY NOTES

1. OCCUPANT LOAD OF ROOM IS LESS THAN 12 S.F. PER PERSON. THEREFORE A CLASS 1 EXIT IS REQUIRED. (NYC BLDG. CODE SECTION 27-534(d))
2. NOT USED ON THIS SHEET
3. OCCUPANT LOAD OF ROOM IS GREATER THAN 75 PERSONS. THEREFORE 2 EXITS ARE REQUIRED. (NYC BLDG. CODE SECTION 27-365)
4. PRE-FUNCTION (NON-SIMULTANEOUS OCCUPANCY)
5. CHAIRS ARE SPACED 1'-0" APART THEREFORE, 12'-0" PROVIDE TO THE NEAREST AISLE (NYC BLDG. CODE SECTION 27-532(e)(5))
6. THE HUDSON "A", "B", "C" AND HUDSON LOUNGE ARE PRE-FUNCTION (NON-SIMULTANEOUS SPACES THAT SERVE THE PINNACLE SUITES.
7. THE LIBERTY PRE-FUNCTION (NON-SIMULTANEOUS SPACES SERVE THE LIBERTY SUITE.
8. THE STATED OCCUPANT LOAD FOR THIS SPACE IS BASED ON A STANDING ROOM RECEPTION IF THE FURNITURE LAYOUT IS SHOWN TO INDICATE TRAVEL DISTANCES AND CLEARANCES ONLY.

LEGEND

- AREA OF REFUGE BOUNDARY / 2 HOUR RATED SEPARATION
- AREA OF REFUGE BOUNDARY IN STORAGE SPACE BELOW - 2 HOUR RATED SEPARATION
- SAFE AREA BOUNDARY / 2 HOUR RATED SEPARATION
- 1 HOUR RATED DIVISION
- 2 HOUR RATED DIVISION
- EXIT SIGN (NUMBER INDICATES CAPACITY OF EXIT IN PERSONS AND EXIT UNITS)
- KEY NOTE
- INDICATES CAPACITY OF CORRIDOR, EXIT PASSAGE, SAFE AREA, OR STAIR
- PRIMARY TRAVEL DISTANCE
- SECONDARY TRAVEL DISTANCE

NOTE: THE PROPOSED DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FEDERAL AMENDING WITH DISABILITIES ACT (ADA), P.L.101-336.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 1 TO AREA OF REFUGE NO. 3= 325 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 2 TO AREA OF REFUGE NO. 3 = 348 PERSONS.

AREA OF REFUGE NO. 3

PLACE OF ASSEMBLY NO. 3 (RESTAURANT)
-ASSEMBLY SPACE OCCUPANT LOAD - 235 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 60 PERSONS
295 PERSONS TOTAL

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT STAIR=1020 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF PLA. 3 TO EXIT TO PLA. 1 AND PLA. 2 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 316 P. = 211 PEOPLE WHO MUST EXIT TO PLA. 1 AND PLA. 2.

TOTAL DOOR CAPACITY FROM PLA. 3 TO PLA. 1 = 348 PERSONS.
TOTAL DOOR CAPACITY FROM PLA. 2 TO PLA. 1 = 548 PERSONS.
980 P. > 211 P. THEREFORE OK.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 2 TO AREA OF REFUGE NO. 3= 568 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 2 TO AREA OF REFUGE NO. 3= 120 PERSONS.

AREA OF REFUGE NO. 1

PLACE OF ASSEMBLY NO. 1 (BANQUET)
-ASSEMBLY SPACE OCCUPANT LOAD - 444 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 28 PERSONS
164 PERSONS TOTAL

-PRE-FUNCTION SPACES (NON-SIMULTANEOUS LOAD) -
164 PERSONS (PATRONS AND STAFF)

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT PASSAGE=575 PERSONS.

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF PLA. 1 TO EXIT TO PLA. 2 AND PLA. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 164 P. = 389 PEOPLE WHO MUST EXIT TO PLA. 2 AND PLA. 3.

TOTAL DOOR CAPACITY FROM PLA. 1 TO PLA. 2 = 200 PERSONS.
TOTAL DOOR CAPACITY FROM PLA. 1 TO PLA. 3 = 325 PERSONS.
525 P. > 389 P. THEREFORE OK.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 1 TO AREA OF REFUGE NO. 2= 200 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 2 TO AREA OF REFUGE NO. 3= 235 PERSONS.

2 HR. RATED AREA OF STORAGE SPACE BELOW FLOOR

AREA OF REFUGE NO. 2

PLACE OF ASSEMBLY NO. 2 (BAR)
-ASSEMBLY SPACE OCCUPANT LOAD - 333 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 17 PERSONS
350 PERSONS TOTAL

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT STAIR=475 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF PLA. 2 TO EXIT TO PLA. 1 AND PLA. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 350 P. = 234 PEOPLE WHO MUST EXIT TO PLA. 1 AND PLA. 3.

TOTAL DOOR CAPACITY FROM PLA. 2 TO PLA. 1 = 225 PERSONS.
TOTAL DOOR CAPACITY FROM PLA. 2 TO PLA. 3 = 120 PERSONS.
355 P. > 234 P. THEREFORE OK.

1 107TH FLOOR PLAN
SCALE: 1/8"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER - 66th FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.C. WINDOWS CORPORATION
1 WORLD TRADE CENTER
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ARCHITECT:
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STRUCTURAL ENGINEER:
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A/V ACOUSTICS:
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LIGHTING:
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241 WEST 72nd STREET
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CODE/ ADA:
DAVID E. ZEISKWITZ, P.E.
70 WEST 36th STREET
NEW YORK, NEW YORK 10018

BLDG. A

NORTH

BLDG. B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: 107th FLOOR EGRESS PLAN

HHPA PROJECT NO.: 9465.01
DATE:
SCALE: 1/8"=1'-0"
DRAWING NO.: A010

TAA 951114.07

NEW YORK CITY
BUILDING CODE CALCULATIONS

OCCUPANCY CLASS:
F-1 ASSEMBLY WITH ACCESSORY OCCUPANCIES

STAIR CAPACITY: NYC BLDG. CODE TABLES 6-1, 8-1

STAIR NO. 1 STAIR - 2 E.U. X 60 P./E.U. = 120 P.
DOOR - 2.5 E.U. X 60 P./E.U. = 150 P.
CAPACITY = 120 PERSONS

STAIR NO. 2 STAIR - 2 E.U. X 60 P./E.U. = 120 P.
DOOR - 1.5 E.U. X 80 P./E.U. = 120 P.
CAPACITY = 120 PERSONS

STAIR NO. 3 STAIR - 2.5 E.U. X 60 P./E.U. = 150 P.
DOOR - 2 E.U. X 100 P./E.U. = 200 P.
CAPACITY = 150 PERSONS

OCCUPANT LOADS: NYC BLDG. CODE SECTION 27-3671

ASSEMBLY AREAS - 1872 PERSONS (PATRONS AND STAFF)
OTHER STAFF - 59 PERSONS
TOTAL OCCUPANT LOAD = 1130 PERSONS

TOTAL STAIR CAPACITY = 350 P. @ 3 AREAS OF REFUGE = 1170 PERSONS
TOTAL FLOOR CAPACITY

1130 P.≤OCCUPANT LOAD < 1170 P.≤FLOOR CAPACITY

NOTE: EACH STAIR IS ASSIGNED TO AN AREA OF REFUGE IN ADDITION, ALL STAIRS ARE MUTUALLY ACCESSIBLE BY COMMON EXIT PASSAGES.

NUMBER OF EXITS FROM FLOOR: NYC BLDG. CODE SECTION 27-366

PLACE OF ASSEMBLY NO. 3 (BANQUET) - 444 P. ASSEMBLY SPACE OCCUPANT LOAD FOR 500 PERSONS 2 EXITS FROM THE FLOOR ARE REQUIRED THERE ARE 3 EXIT STAIRS

PLACE OF ASSEMBLY NO. 2 (BAR) - 223 P. ASSEMBLY SPACE OCCUPANT LOAD FOR 500 PERSONS 2 EXITS FROM THE FLOOR ARE REQUIRED THERE ARE 3 EXIT STAIRS

PLACE OF ASSEMBLY NO. 3 (RESTAURANT) - 295 P. ASSEMBLY SPACE OCCUPANT LOAD FOR 500 PERSONS 2 EXITS FROM THE FLOOR ARE REQUIRED THERE ARE 3 EXIT STAIRS

TRAVEL DISTANCES: NYC BLDG. CODE TABLES 6-4, 8-3

OCCUPANCY CLASS F-4 - 200'-0"
RESIDENCY - 400'-0" SPRINKLED
OCCUPANCY CLASS B - 300'-0"
OCCUPANCY CLASS D-2 - 250'-0"
OCCUPANCY CLASS B-3 - 300'-0"
OCCUPANCY CLASS B-2A - 175'-0"
OCCUPANCY CLASS D - 200'-0"

FIRE SEPARATION/DIVISION BETWEEN OCCUPANCIES: NYC BLDG. CODE TABLE 5-D

BUILDING OCCUPANCY - E BUSINESS - FIRE INDEX 2

BETWEEN OCCUPANCIES:
F-4/FIRE INDEX 3 / D-2/FIRE INDEX 2 - NO REQUIREMENT
F-4/FIRE INDEX 3 / B-3/FIRE INDEX 2 - 3 HOUR RATED DIVISION
F-4/FIRE INDEX 3 / B-2/FIRE INDEX 2 - NO REQUIREMENT
F-4/FIRE INDEX 3 / E/FIRE INDEX 2 - NO REQUIREMENT
F-4/FIRE INDEX 3 / C/FIRE INDEX 2 - NO REQUIREMENT
D-2/FIRE INDEX 2 / E/FIRE INDEX 2 - NO REQUIREMENT
D-2/FIRE INDEX 2 / B-3/FIRE INDEX 2 - 3 HOUR RATED DIVISION
D-2/FIRE INDEX 2 / B-2/FIRE INDEX 2 - NO REQUIREMENT
E/FIRE INDEX 2 / B-3/FIRE INDEX 2 - 3 HOUR RATED DIVISION
E/FIRE INDEX 2 / B-2/FIRE INDEX 2 - NO REQUIREMENT

DOOR CAPACITIES: NYC BLDG. CODE TABLES 6-1, 8-1

OCCUPANCY F-4:
FROM ASSEMBLY SPACE - 50 PERSONS/E.U.
FROM SAVE AREA - 100 PERSONS/E.U.
OCCUPANCY F-4 - 100 PERSONS/E.U.
OCCUPANCY D-2 80 PERSONS/E.U.
OCCUPANCY B-3 60 PERSONS/E.U.
OCCUPANCY B-2 100 PERSONS/E.U.
OCCUPANCY E 60 PERSONS/E.U.

NOTE: -ALL DOORS IN 2 HOUR RATED WALLS ARE "B" LABEL, SELF CLOSING.
-ALL DOORS IN 3 HOUR RATED WALLS ARE "A" LABEL, SELF CLOSING.

CORRIDORS, EXIT PASSAGEWAYS AND SAFE AREA CAPACITIES: NYC BLDG. CODE TABLES 6-1, 8-1

OCCUPANCY F-4 - 44 PERSONS/E.U. 12'-0" MIN. WIDTH, SAFE AREA - 8'-0" MIN. WIDTH
OCCUPANCY D 240 PERSONS/E.U. 12'-0" MIN. WIDTH
OCCUPANCY B-2 200 PERSONS/E.U. 12'-0" MIN. WIDTH
OCCUPANCY B-3 75 PERSONS/E.U. 12'-0" MIN. WIDTH
OCCUPANCY B-2A 75 PERSONS/E.U. 12'-0" MIN. WIDTH
OCCUPANCY E 100 PERSONS/E.U. 12'-0" MIN. WIDTH

KEY NOTES

1. OCCUPANT LOAD OF ROOM IS LESS THAN 12 S.F. PER PERSON. THEREFORE A CLASS 1 EXIT IS REQUIRED. (NYC BLDG. CODE SECTION 27-5246(f)
2. NOT USED ON THIS SHEET
3. OCCUPANT LOAD OF ROOM IS GREATER THAN 75 PERSONS. THEREFORE 2 EXITS ARE REQUIRED. NYC BLDG. CODE SECTION 27-353
4. PRE-FUNCTION (NON-SIMULTANEOUS OCCUPANCY).
5. CHAIRS ARE SPACED 1'-9" APART, THEREFORE, 12'-9" MINIMUM TO THE NEAREST AISLE (NYC BLDG. CODE SECTION 27-536(a)(5))
6. THE HUDSON "B", "A", "C" AND HUDSON LOUNGE ARE PRE-FUNCTION NON-SIMULTANEOUS SPACES THAT SERVE THE PINNACLE SUITES.
7. THE LIBERTY PRE-FUNCTION NON-SIMULTANEOUS SPACES SERVE THE LIBERTY SUITE.
8. THE STATED OCCUPANT LOAD FOR THIS SPACE IS BASED ON A STANDING ROOM RECEPTION'S THE FURNITURE LAYOUT IS SHOWN TO INDICATE TRAVEL DISTANCES AND CLEARANCES ONLY.

LEGEND

- AREA OF REFUGE BOUNDARY / 2 HOUR RATED SEPARATION
- AREA OF REFUGE BOUNDARY IN STORAGE SPACE BELOW - 2 HOUR RATED SEPARATION
- SAFE AREA BOUNDARY / 2 HOUR RATED SEPARATION
- 1 HOUR RATED DIVISION
- 2 HOUR RATED DIVISION
- EXIT SIGN (NUMBER INDICATES CAPACITY OF EXIT IN PERSONS AND EXIT UNITS)
- KEY NOTE
- INDICATES CAPACITY OF CORRIDOR, EXIT PASSAGE, SAFE AREA, OR STAIR
- PRIMARY TRAVEL DISTANCE
- SECONDARY TRAVEL DISTANCE

NOTE: THE PROPOSED DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FEDERAL AMENDMENTS WITH DISABILITIES ACT (FAIR, PL101-336).

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 1 TO AREA OF REFUGE NO. 3= 325 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 2 = 348 PERSONS.

AREA OF REFUGE NO. 3
PLACE OF ASSEMBLY NO. 3 (RESTAURANT)
-ASSEMBLY SPACE OCCUPANT LOAD - 295 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 21 PERSONS
316 PERSONS TOTAL

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT STAIR=1020 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 3 TO EXIT TO A.R. 1 AND A.R. 2 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 316 P. = 211 PEOPLE WHO MUST EXIT TO A.R. 1 AND A.R. 2.

TOTAL DOOR CAPACITY FROM A.R. 3 TO A.R. 1 = 348 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 1 = 550 PERSONS.
898 P. > 211 P. THEREFORE OK.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 2 = 550 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 2 = 120 PERSONS.

AREA OF REFUGE NO. 1
PLACE OF ASSEMBLY NO. 1 (BANQUET)
-ASSEMBLY SPACE OCCUPANT LOAD = 444 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 20 PERSONS
464 PERSONS TOTAL

-PRE-FUNCTION SPACES (NON-SIMULTANEOUS LOAD) - 464 PERSONS (PATRONS AND STAFF)

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT PASSAGE=575 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 1 TO EXIT TO A.R. 2 AND A.R. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 464 P. = 309 PEOPLE WHO MUST EXIT TO A.R. 2 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 2 = 200 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 3 = 325 PERSONS.
525 P. > 309 P. THEREFORE OK.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 1 TO AREA OF REFUGE NO. 2= 200 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 2= 235 PERSONS.

2 HR. RATED AREA OF REFUGE SEPARATION AT STORAGE SPACE BELOW FLOOR

AREA OF REFUGE NO. 2
PLACE OF ASSEMBLY NO. 2 (BAR)
-ASSEMBLY SPACE-OCCUPANT LOAD = 333 PERSONS (PATRONS AND STAFF)
BACK OF HOUSE STAFF - 17 PERSONS
350 PERSONS TOTAL

-DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE/EXIT STAIR=475 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 2 TO EXIT TO A.R. 1 AND A.R. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 350 P. = 234 PEOPLE WHO MUST EXIT TO A.R. 1 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 1 = 235 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 3 = 120 PERSONS.
355 P. > 234 P. THEREFORE OK.

1 107TH FLOOR PLAN
SCALE: 1/8"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
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OPERATOR:
B.E. WINDOWS CORPORATION
2 WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
400 PARK AVENUE SOUTH, 8TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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STRUCTURAL ENGINEER:
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LIGHTING:
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150 E. 58th STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
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211 E. 46th STREET
NEW YORK, NEW YORK 10016

BLDG. A / BLDG. B / NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: 107th FLOOR
EGRESS PLAN
ALTERNATE SEATING 'A'

NHPA PROJECT NO. 5466.01
DRAWING NO. A010A
DATE:
SCALE: 1/8"=1'-0"

TAA 951114.07

NEW YORK CITY BUILDING CODE CALCULATIONS

OCCUPANCY CLASS:
F-1 ASSEMBLY WITH ACCESSORY OCCUPANCIES

STAIR CAPACITY NYC BLDG. CODE TABLES 6-1, 8-1

STAIR NO. 1 — STAIR = 2 E.U. @ 60 P./E.U. = 120 P.
DOOR = 1.5 E.U. @ 100 P./E.U. = 150 P.
CAPACITY = 120 PERSONS

STAIR NO. 2 — STAIR = 2 E.U. @ 60 P./E.U. = 120 P.
DOOR = 1.5 E.U. @ 100 P./E.U. = 150 P.
CAPACITY = 120 PERSONS

STAIR NO. 3 — STAIR = 2.5 E.U. @ 60 P./E.U. = 150 P.
DOOR = 2 E.U. @ 100 P./E.U. = 200 P.
CAPACITY = 150 PERSONS

OCCUPANT LOADS NYC BLDG. CODE SECTION 27-367

ASSEMBLY AREAS — 824 PERSONS (PATRONS AND STAFF)
OTHER STAFF — 71 PERSONS
LOCKER ROOMS — 184 PERSONS
TOTAL OCCUPANT LOAD = 1,080 PERSONS

TOTAL STAIR CAPACITY = 390 P. @ 3 AREAS OF REFUGE = 1170 PERSONS
TOTAL FLOOR CAPACITY
1080 P.OCCUPANT LOAD < 1,170 P.(FLOOR CAPACITY)

NOTE: EACH STAIR IS DESIGNED TO AN AREA OF REFUGE IN ADDITION.
ALL STAIRS ARE MUTUALLY ACCESSIBLE BY COMMON EXIT PASSAGES.

NUMBER OF EXITS FROM FLOOR NYC BLDG. CODE SECTION 27-360

ASSEMBLY AREA OCCUPANT LOAD = 779 PERSONS
FOR BETWEEN 500 AND 1000 PERSONS 3 EXITS FROM THE FLOOR ARE REQUIRED
THERE ARE 3 EXIT STAIRS

TRAVEL DISTANCES NYC BLDG. CODE TABLES 6-1, 8-1

OCCUPANCY CLASS F-1
PRIMARY — 122'-0" SPRINKLERED
SECONDARY — 182'-6" SPRINKLERED
OCCUPANCY CLASS E1 - 200'-0"
OCCUPANCY CLASS B-2, 200'-0"
OCCUPANCY CLASS B-3 150'-0"
OCCUPANCY CLASS B-3, 175'-0"
OCCUPANCY CLASS C1 - 200'-0"

FIRE SEPARATION/DIVISION BETWEEN OCCUPANCIES NYC BLDG. CODE TABLES 5-1, 5-2

BUILDING OCCUPANCY = E BUSINESS = FIRE INDEX 2

BETWEEN OCCUPANCIES:
F-1 & FIRE INDEX 2 / B-2 FIRE INDEX 2 = NO REQUIREMENT
F-1 & FIRE INDEX 2 / B-3 FIRE INDEX 2 = NO REQUIREMENT
F-1 & FIRE INDEX 2 / B-3 FIRE INDEX 3 = NO REQUIREMENT
F-1 & FIRE INDEX 2 / C FIRE INDEX 2 = NO REQUIREMENT
F-1 & FIRE INDEX 2 / C FIRE INDEX 3 = NO REQUIREMENT
B-2 & FIRE INDEX 2 / C FIRE INDEX 2 = NO REQUIREMENT
B-2 & FIRE INDEX 2 / B-3 FIRE INDEX 3 = 1 HOUR RATED DIVISION
B-2 & FIRE INDEX 2 / B-3 FIRE INDEX 2 = NO REQUIREMENT
B-3 & FIRE INDEX 2 / B-3 FIRE INDEX 3 = 1 HOUR RATED DIVISION
B-3 & FIRE INDEX 2 / C FIRE INDEX 2 = NO REQUIREMENT

DOOR CAPACITIES NYC BLDG. CODE TABLES 6-1, 8-1

OCCUPANCY F-1
ASSEMBLY SPACE = 60 PERSONS/E.U.
FROM SAFE AREA = 100 PERSONS/E.U.
OTHER DOORS = 60 PERSONS/E.U.
OCCUPANCY E1 100 PERSONS/E.U.
OCCUPANCY B-2 60 PERSONS/E.U.
OCCUPANCY B-3 60 PERSONS/E.U.
OCCUPANCY C1 60 PERSONS/E.U.
OCCUPANCY C1 100 PERSONS/E.U.

NOTE: ALL DOORS IN 2 HOUR RATED WALLS ARE 1½ LABEL, SELF CLOSING.
ALL DOORS IN 1 HOUR RATED WALLS ARE ¾ LABEL, SELF CLOSING.

CORRIDORS, EXIT PASSAGEWAYS AND SAFE AREA CAPACITIES NYC BLDG. CODE TABLES 6-1, 8-1

OCCUPANCY F-1 60 PERSONS/E.U. (2'-0" MIN. WIDTH, SAFE AREA - 8'-0" MIN. WIDTH)
OCCUPANCY E1 100 PERSONS/E.U. (3'-0" MIN. WIDTH)
OCCUPANCY B-2 100 PERSONS/E.U. (3'-0" MIN. WIDTH)
OCCUPANCY B-3 75 PERSONS/E.U. (3'-0" MIN. WIDTH)
OCCUPANCY B-3 75 PERSONS/E.U. (3'-0" MIN. WIDTH)
OCCUPANCY C1 100 PERSONS/E.U. (3'-0" MIN. WIDTH)

KEY NOTES

1. OCCUPANT LOAD OF ROOM IS LESS THAN 10 S.F. PER PERSON, THEREFORE A CLASS I EXIT IS REQUIRED, 1 NYC BLDG. CODE SECTION 27-334(d)
2. NOT USED ON THIS SHEET
3. OCCUPANT LOAD OF ROOM IS GREATER THAN 75 PERSONS, THEREFORE 2 EXITS ARE REQUIRED. NYC BLDG. CODE SECTION 27-350
4. NOT USED ON THIS SHEET
5. 12'-0" MAXIMUM TO THE NEAREST AISLE NYC BLDG. CODE SECTION 27-526(a)(5)
6. NOT USED ON THIS SHEET
7. NOT USED ON THIS SHEET
8. THE STATED OCCUPANT LOAD FOR THIS SPACE IS BASED ON A STANDING ROOM RECEPTION S THE FURNITURE LAYOUT IS SHOWN TO INDICATE TRAVEL DISTANCES AND EGRESSWAYS ONLY.

LEGEND

- AREA OF REFUGE BOUNDARY / 2 HOUR RATED SEPARATION
- SAFE AREA BOUNDARY / 2 HOUR RATED SEPARATION
- 1 HOUR RATED DIVISION
- 2 HOUR RATED DIVISION
- 100 P. / 1.5 E.U. — EXIT SIGN (NUMBER INDICATES CAPACITY OF EXIT IN PERSONS AND EXIT UNITS)
- (1) KEY NOTE
- (SAR) INDICATES CAPACITY OF CORRIDOR, EXIT PASSAGE, SAFE AREA, OR STAIR
- PRIMARY TRAVEL DISTANCE
- SECONDARY TRAVEL DISTANCE

NOTED THE PROPOSED DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FEDERAL AMERICANS WITH DISABILITIES ACT (ADA), PUBL-336.

AREA OF REFUGE NO. 3

OCCUPANT LOAD - 382 PERSONS (STAFF)
OCCUPANCY E - 295 PERSONS
OCCUPANCY B-2 - 17 PERSONS

DOOR CAPACITY TO EXIT STAIR /AREAS OF REFUGE=720 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 3 TO EXIT TO A.R. 1 AND A.R. 2 N.Y.C. BUILDING CODE SECTION 27-357.

2/3 OF 382 P. = 282 PEOPLE AND MUST EXIT TO A.R. 2 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 3 TO A.R. 1 = 240 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 3 TO A.R. 2 = 360 PERSONS.
680 P. > 282 P. THEREFORE OK.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 2 = 360 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 = 150 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 3 TO AREA OF REFUGE NO. 1 = 195 PERSONS.

TOTAL DOOR CAPACITY FROM AREA OF REFUGE NO. 1 TO AREA OF REFUGE NO. 2 = 195 PERSONS.

AREA OF REFUGE NO. 1

OCCUPANT LOAD = 208 PERSONS (PATRONS AND STAFF)
DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE=575 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 1 TO EXIT TO A.R. 2 AND A.R. 3 N.Y.C. BUILDING CODE SECTION 27-357.

2/3 OF 208 P. = 133 PEOPLE WHO MUST EXIT TO A.R. 2 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 2 = 0 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 3 = 195 PERSONS.
195 P. > 133 P. THEREFORE OK.

AREA OF REFUGE NO. 2

OCCUPANT LOAD = 573 PERSONS (PATRONS AND STAFF)
DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE=1,145 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 2 TO EXIT TO A.R. 1 AND A.R. 3 N.Y.C. BUILDING CODE SECTION 27-357.

2/3 OF 288 P. = 386 PEOPLE WHO MUST EXIT TO A.R. 1 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 1 = 550 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 3 = 150 PERSONS.
700 P. > 386 P. THEREFORE OK.

QUAD "C" SEE SHEET

QUAD "B" SEE SHEET A070

SAFE AREA #1
OCCUPANT CLASS E
1 PERSON / 2 S.F. PER PERSON = 838 PERSON CAPACITY

SAFE AREA #2
OCCUPANT CLASS E
1 PERSON / 2 S.F. PER PERSON = 620 PERSON CAPACITY

CORRIDOR

KITCHEN
OCCUPANT CLASS B-2
9 PERSONS

DISHWASHING
OCCUPANT CLASS B-2
4 PERSONS

RESERVATIONS
OCCUPANT CLASS E
5 PERSONS

OPEN OFFICE
OCCUPANT CLASS E
3 PERSONS

ARRIVAL

SERVICE

(1) 106TH FLOOR PLAN
SCALE: 1/8"=1'-0"

(2) MEZZANINE PLAN
SCALE: 1/8"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LA: OLORD:
PORT AUTHORITY OF NY&NJ
ONE WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. MANAGEMENT CORPORATION
1211 AVENUE OF THE AMERICAS
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ARCHITECT:
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115 FIFTH AVENUE, 7TH FLOOR
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MEP ENGINEER:
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STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
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KITCHEN PLANNING:
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1 PENNSYLVANIA PLAZA
NEW YORK, NEW YORK 10165

AV / ACOUSTICS:
HEIL & ASSOCIATES
1 PENN PLAZA
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 E. 58TH STREET
NEW YORK, NEW YORK 10019

CODES/ADA:
DAVID L. KIRCHNER, P.E.
1 EAST 53RD STREET
NEW YORK, NEW YORK 10018

BLDG. 2 — NORTH — BLDG. 1

NO. DATE DIVISIONS:
JURISDICTION (VOLUNTARY SUBMISSION)
1 5/22/95 PA QUIRES/REVISIONS
2 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: 106th FLOOR EGRESS PLAN

PROJECT NO. 5486.01
DATE:
SCALE: 1/8"=1'-0"
DRAWING NO. A011

TAA 951114.07

NEW YORK CITY BUILDING CODE CALCULATIONS

OCCUPANCY CLASS:
F-1 ASSEMBLY WITH ACCESSORY OCCUPANCIES

STAIR CAPACITY: NYC BLDG. CODE TABLES 6-1, 8-11

STAIR NO. 1: STAIR - 2 E.U. @ 60 P./E.U. = 120 P.
DOOR - LS E.U. @ 100 P./E.U. = 350 P.
CAPACITY = 120 PERSONS

STAIR NO. 2: STAIR - 2 E.U. @ 60 P./E.U. = 120 P.
DOOR - LS E.U. @ 80 P./E.U. = 120 P.
CAPACITY = 120 PERSONS

STAIR NO. 3: STAIR - 2.5 E.U. @ 60 P./E.U. = 150 P.
DOOR - 2 E.U. @ 100 P./E.U. = 200 P.
CAPACITY = 150 PERSONS

OCCUPANT LOAD: NYC BLDG. CODE SECTION 27-367

ASSEMBLY AREAS:	824 PERSONS (PATRONS AND STAFF)
OTHER STAFF:	73 PERSONS
LOCKER ROOMS:	104 PERSONS
TOTAL OCCUPANT LOAD =	1001 PERSONS

TOTAL STAIR CAPACITY = 390 P. @ 3 AREAS OF REFUGE = 1170 PERSONS
TOTAL FLOOR CAPACITY

1001 P. OCCUPANT LOAD < 1170 P. FLOOR CAPACITY

NOTE: EACH STAIR IS ASSIGNED TO AN AREA OF REFUGE IN ADDITION, ALL STAIRS ARE MUTUALLY ACCESSIBLE BY COMMON EXIT PASSAGES.

NUMBER OF EXITS FROM FLOOR: NYC BLDG. CODE SECTION 27-366

ASSEMBLY AREA OCCUPANT LOAD: 779 PERSONS
FOR BETWEEN 500 AND 1000 PERSONS 3 EXITS FROM THE FLOOR ARE REQUIRED
THERE ARE 3 EXIT STAIRS

TRAVEL DISTANCES: NYC BLDG. CODE TABLES 6-1, 8-13

OCCUPANCY CLASS F-1:
PRIMARY - 107'-6" (SPRINKLED)
SECONDARY - 150'-0" (SPRINKLED)
OCCUPANCY CLASS B - 200'-0"
OCCUPANCY CLASS B-2 - 200'-0"
OCCUPANCY CLASS B-2 (DE) - 200'-0"
OCCUPANCY CLASS B-2 (LS) - 175'-0"
OCCUPANCY CLASS D - 200'-0"

FIRE SEPARATION/DIVISION BETWEEN OCCUPANCIES: NYC BLDG. CODE TABLES 5-1

BUILDING OCCUPANCY - E BUSINESS - FIRE INDEX 2

BETWEEN OCCUPANCIES:

F-1/E FIRE INDEX 0	/ B-3/FIRE INDEX 2	= NO REQUIREMENT
F-1/E FIRE INDEX 1	/ B-1/FIRE INDEX 3	= 1 HOUR RATED DIVISION
F-1/E FIRE INDEX 1	/ B-2/FIRE INDEX 3	= NO REQUIREMENT
F-1/E FIRE INDEX 1	/ E/FIRE INDEX 2	= NO REQUIREMENT
F-1/E FIRE INDEX 1	/ (E)FIRE INDEX 2	= NO REQUIREMENT
D-2/FIRE INDEX 2	/ E/FIRE INDEX 2	= NO REQUIREMENT
D-2/FIRE INDEX 2	/ B-1/FIRE INDEX 3	= 1 HOUR RATED DIVISION
D-2/FIRE INDEX 2	/ B-2/FIRE INDEX 3	= NO REQUIREMENT
(E)FIRE INDEX 2	/ B-1/FIRE INDEX 3	= 1 HOUR RATED DIVISION
(E)FIRE INDEX 2	/ B-2/FIRE INDEX 3	= NO REQUIREMENT

DOOR CAPACITIES: NYC BLDG. CODE TABLES 6-1, 8-13

OCCUPANCY F-1:
FIXED ASSEMBLY SPACE - 50 PERSONS/E.U.
TRUE (NOT FIXED) = 100 PERSONS/E.U.
OTHER USES = 75 PERSONS/E.U.
OCCUPANCY B-1: 100 PERSONS/E.U.
OCCUPANCY B-2: 75 PERSONS/E.U.
OCCUPANCY B-3: 60 PERSONS/E.U.
OCCUPANCY D: 100 PERSONS/E.U.

NOTE: - ALL DOORS IN 2 HOUR RATED WALLS ARE 3/4 LABEL, SELF CLOSING.
- ALL DOORS IN 1 HOUR RATED WALLS ARE 1/3 LABEL, SELF CLOSING.

CORRIDORS, EXIT PASSAGEWAYS AND SAFE AREA CAPACITIES: NYC BLDG. CODE TABLES 6-1, 8-13

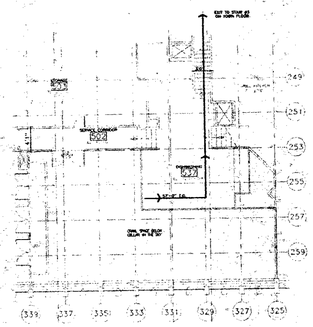
OCCUPANCY F-1: 30 PERSONS/E.U. (1'-0" MIN. WIDTH, SAFE AREA = 8'-0" MIN. WIDTH)
OCCUPANCY C: 200 PERSONS/E.U. (2'-0" MIN. WIDTH)
OCCUPANCY B-1: 100 PERSONS/E.U. (1'-0" MIN. WIDTH)
OCCUPANCY B-2: 75 PERSONS/E.U. (1'-0" MIN. WIDTH)
OCCUPANCY B-3: 75 PERSONS/E.U. (1'-0" MIN. WIDTH)
OCCUPANCY D: 100 PERSONS/E.U. (2'-0" IN. WIDTH)

KEY NOTES

1. OCCUPANT LOAD OF ROOM IS LESS THAN 12 S.F. PER PERSON, THEREFORE A CLASS 1 EXIT IS REQUIRED. (NYC BLDG. CODE SECTION 27-534(d))
2. NOT USED ON THIS SHEET
3. OCCUPANT LOAD OF ROOM IS GREATER THAN 75 PERSONS, THEREFORE 2 EXITS ARE REQUIRED. NYC BLDG. CODE SECTION 27-366)
4. NOT USED ON THIS SHEET
5. 12'-0" MINIMUM TO THE NEAREST AISLE (NYC BLDG. CODE SECTION 27-536(a)(5))
6. NOT USED ON THIS SHEET
7. NOT USED ON THIS SHEET
8. THE STATED OCCUPANT LOAD FOR THIS SPACE IS BASED ON A STANDING ROOM RECEPTION & THE FURNITURE LAYOUT IS SHOWN TO INDICATE TRAVEL DISTANCES AND CLEARANCES ONLY.

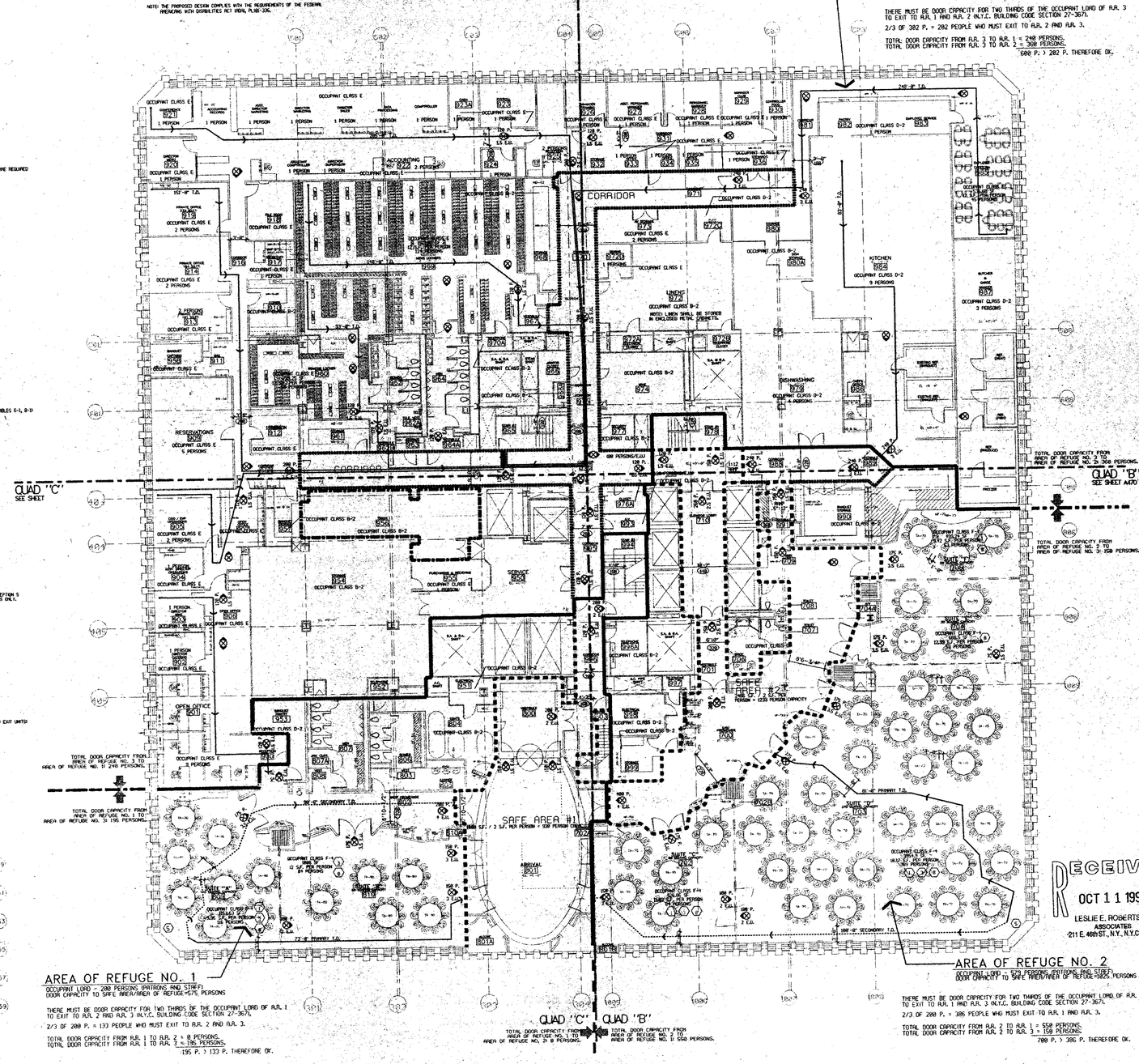
LEGEND

- AREA OF REFUGE BOUNDARY / 2 HOUR RATED SEPARATION
- SAFE AREA BOUNDARY / 2 HOUR RATED SEPARATION
- 1 HOUR RATED DIVISION
- 2 HOUR RATED DIVISION
- EXIT SIGN NUMBER INDICATES CAPACITY OF EXIT IN PERSONS AND EXIT LIMITED
- KEY NOTE
- INDICATES CAPACITY OF CORRIDOR, EXIT PASSAGE, SAFE AREA, OR STAIR
- PRIMARY TRAVEL DISTANCE
- SECONDARY TRAVEL DISTANCE



2 MEZZANINE PLAN
SCALE: 1/8"=1'-0"

NOTE: THE PROPOSED DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FEDERAL REGULATIONS FOR DISABILITIES ACT (ADA), PUBLIC LAW 336.



1 106TH FLOOR PLAN
SCALE: 1/8"=1'-0"

AREA OF REFUGE NO. 1

OCCUPANT LOAD = 200 PERSONS (PATRONS AND STAFF)
DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE=575 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 1 TO EXIT TO A.R. 2 AND A.R. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 200 P. = 133 PEOPLE WHO MUST EXIT TO A.R. 2 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 2 = 8 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 1 TO A.R. 3 = 195 PERSONS.
195 P. > 133 P. THEREFORE OK.

AREA OF REFUGE NO. 2

OCCUPANT LOAD = 574 PERSONS (PATRONS AND STAFF)
DOOR CAPACITY TO SAFE AREA/AREA OF REFUGE=1825 PERSONS

THERE MUST BE DOOR CAPACITY FOR TWO THIRDS OF THE OCCUPANT LOAD OF A.R. 2 TO EXIT TO A.R. 1 AND A.R. 3 (N.Y.C. BUILDING CODE SECTION 27-367).

2/3 OF 288 P. = 386 PEOPLE WHO MUST EXIT TO A.R. 1 AND A.R. 3.

TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 1 = 558 PERSONS.
TOTAL DOOR CAPACITY FROM A.R. 2 TO A.R. 3 = 158 PERSONS.
788 P. > 386 P. THEREFORE OK.

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 65TH FLOOR WEST
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OPERATOR:
BLE: WINDOWS CORPORATION
1 PENN PLAZA
NEW YORK, NEW YORK 10019

ARCHITECT:
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122 BROADWAY, 12TH FLOOR
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MEP ENGINEER:
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KITCHEN PLANNING:
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505 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
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6 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BERTRODE BERNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ADA:
DAVID E. LIFSCHUTZ, P.E.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	10/6/95	ISSUE FOR CONSTRUCTION

TITLE: EGRESS PLAN-106TH FL. ALTERNATE SEATING 'A'

HHPA PROJECT NO.: 5466.01
DRAWING NO.: A011A
DATE:
SCALE: 1/8"=1'-0"

TAA 951114.07

1 107TH FLOOR

2

GENERAL NOTES:

1. ALL FLOOR ELEVATIONS REFERENCED TO 0'-0". EL. 1614'-4")
2. ALL INTERIOR STRUCTURAL GRIDLINES REFERENCED ON THIS DRAWING ARE FOR DIMENSIONAL REFERENCE ONLY. DIMENSIONS ARE TIED TO EXTERIOR COLUMN GRIDS.
3. REFER TO 1/8" PLANS FOR ALL DOOR AND WALL TYPES.
4. REFER TO 1/4" QUADRANT PLANS AND RCP'S FOR WALL, FLOOR, AND CEILING FINISHES.

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER - 66TH FLOOR WEST
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KITCHEN PLANNING:
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A/V ACOUSTICS:
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6 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
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NEW YORK, NEW YORK 10010

CODE/ ADA:
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70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/9/95	PA QUERIES/REVISIONS
3	7/31/95	GENERAL REVISIONS
4	10/6/95	ISSUE FOR CONSTRUCTION

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.C. 10017

TITLE:
KEY PLAN
107TH FLOOR

HHPA PROJECT NO.: 5486.03
DRAWING NO.: A200
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"

TAA 951114.07

1 107 FLOOR RCP

2 INTERMEDIATE FLOOR RCP

WINDOWS ON THE WORLD
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NEW YORK, NEW YORK 10010

CODE/ ADA:
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NEW YORK, NEW YORK 10015

BLDG. A
NORTH
BLDG. B

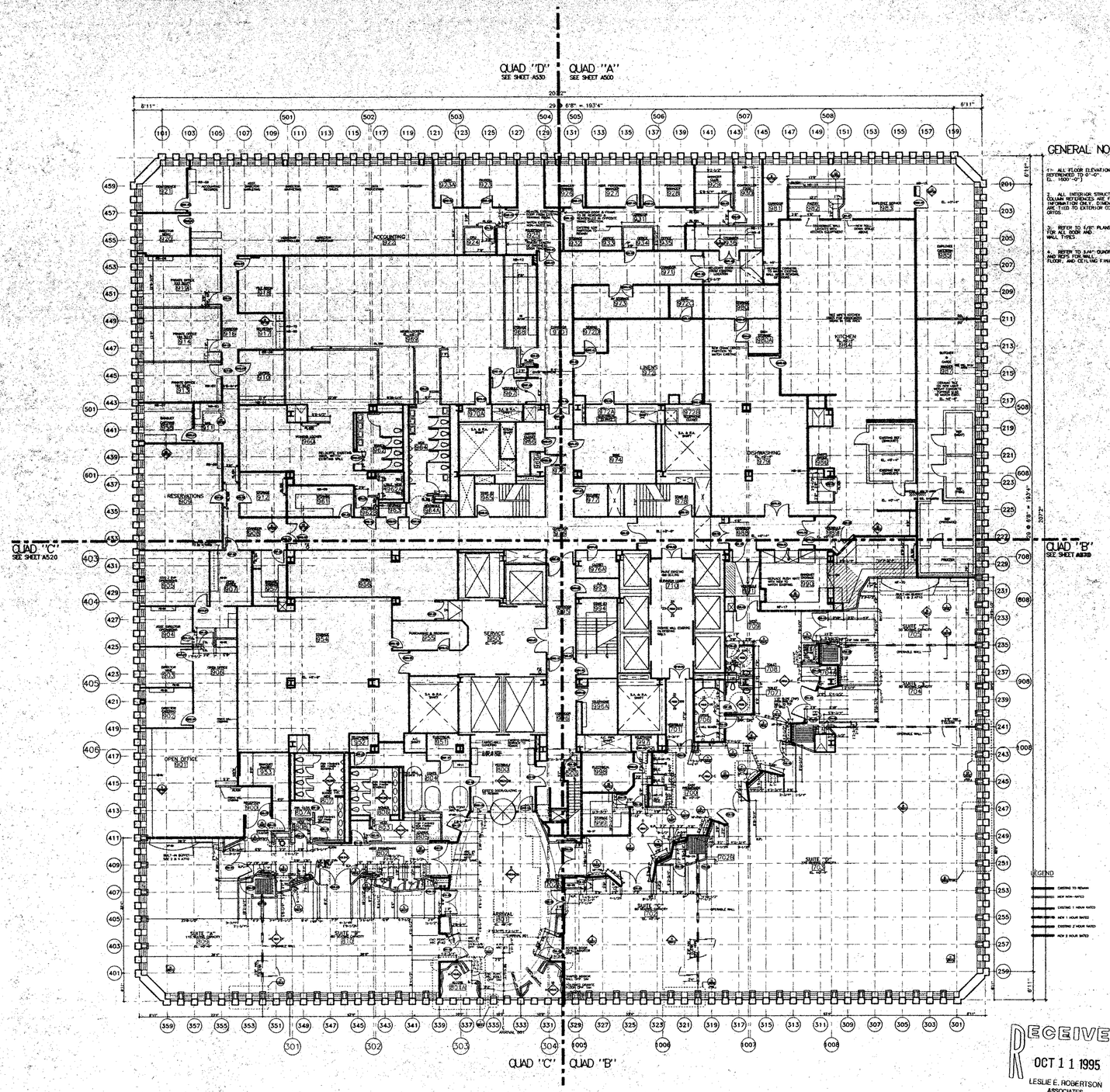
NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 7/31/95 GENERAL REVISIONS
2 10/9/95 ISSUE FOR CONSTRUCTION

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

TITLE:
KEY PLAN
107TH REFLECTED CEILING

HHPA PROJECT NO.
5466.01
DRAWING NO.
A201
DATE:
JUNE 9, 1995
SCALE:
1/8"=1'-0"

TAA 951114.07



GENERAL NOTES:

1. ALL FLOOR ELEVATIONS REFERENCED TO 0'-0" (i.e. 100'-0").

2. ALL INTERIOR STRUCTURAL COLUMN REFERENCES ARE FOR INFORMATION ONLY. DIMENSIONS ARE TIED TO EXTERIOR COLUMN GRIDS.

3. REFER TO 1/4" PLANS FOR ALL DOOR AND WALL TYPES.

4. REFER TO SAY' QUADRANT PLANS AND RCP'S FOR WALL, FLOOR, AND CEILING FINISHES.

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
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WORLD TRADE DEPARTMENT
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10 EAST 39TH STREET
NEW YORK, NEW YORK 10016

AAV ACOUSTICS:
DYER, MASON, WILKE
250 EAST 49TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE-BETTRIDGE BERNSTEIN LIGHTING
150 EAST 42ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. FEIBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

BLDG A — NORTH — BLDG B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/5/95	PA QUERIES/REVISIONS
3	7/17/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
KEY PLAN
106TH FLOOR PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. A210
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

TAA 951114.07

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
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KITCHEN PLANNING:
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501 FASHION AVENUE
NEW YORK, NEW YORK 10018

A/V ACOUSTICS:
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231 WEST 40TH STREET
NEW YORK, NEW YORK 10018

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
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NEW YORK, NEW YORK 10018

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NEW YORK, NEW YORK 10018

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NORTH
BLDG. B

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	6/5/95	PA QUERIES/REVISIONS
2	7/17/95	GENERAL REVISIONS
3	10/6/95	ISSUE FOR CONSTRUCTION

TITLE:
KEY PLAN
106TH REFLECTED CEILING

HHPA PROJECT NO.: 5466.03
DRAWING NO.: A211
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL.

NOT USED 3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED 4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.

NOT USED 5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

7. PROVIDE NEW BASE RAILS
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

NOT USED 10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.

11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.

NOT USED 12. REPLACE DENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

NOT USED 13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.

15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.

NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.

NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)

21a. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME.

NOT USED 22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED 23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

NOT USED 24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED 26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

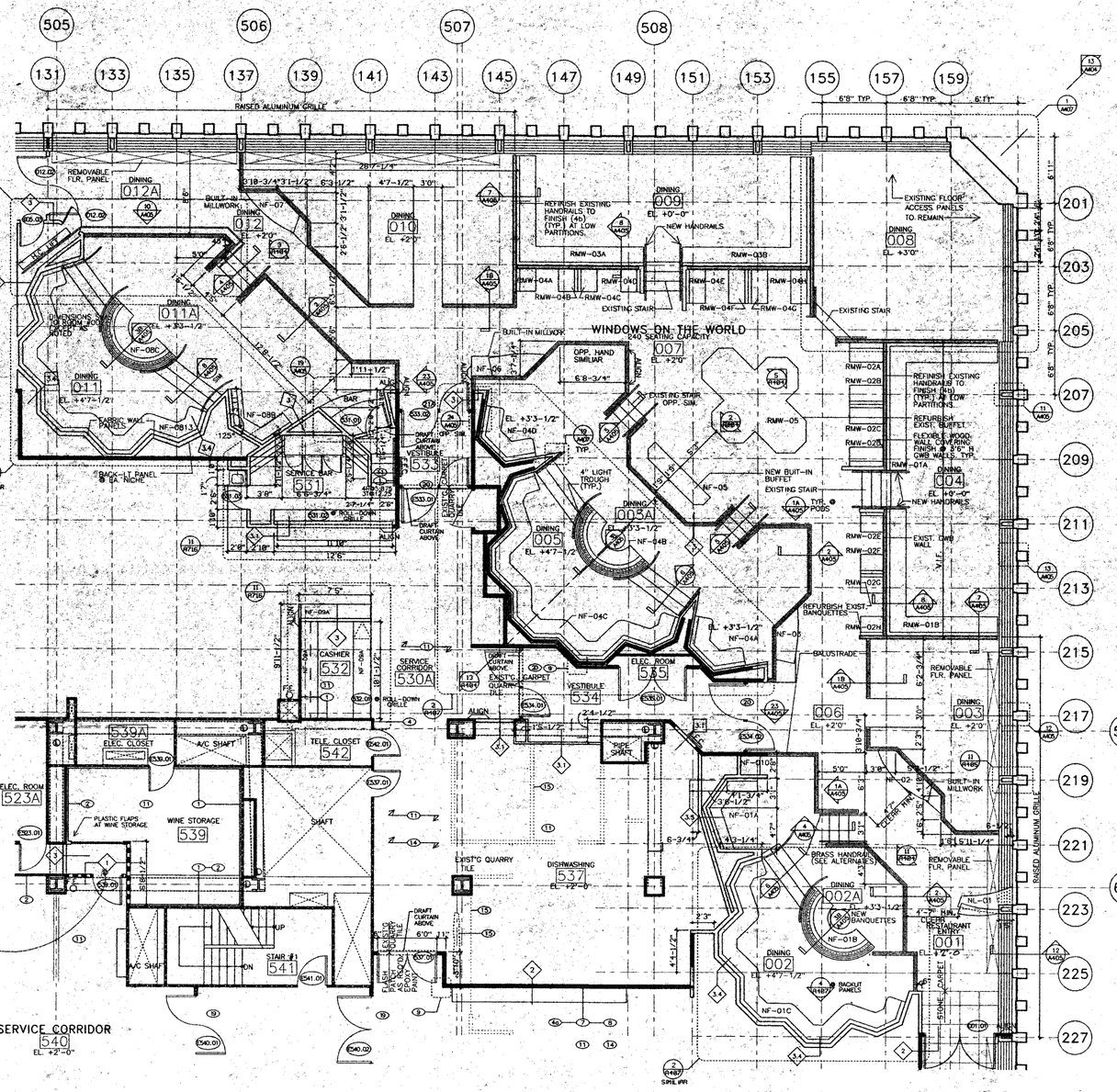
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED 29. FLUSH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



NOTES:
1. SEE A713 FOR ALL WINDOWS ON THE WORLD MILLWORK.
2. SEE A715 FOR ALL NEW BANQUETTES. SEE A405 FOR ALL REFURBISHED BANQUETTES.
3. SEE 1-109, 117, 125 FOR INTERIOR FINISHES

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
NEW YORK, NEW YORK 10183

A/V ACOUSTICS:
JAFFE HOLDEN WEBB
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BERTRONE PETERSEN LIGHTING
NEW YORK, NEW YORK 10010

CODE/ ADA:
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60 E. 42nd ST., 11th FLOOR
NEW YORK, NEW YORK 10016

TOWER A · TOWER B · NORTH

NO.	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1		5/22/95 PA QUERIES/REVISIONS
2		6/9/95 PA QUERIES/REVISIONS
3		7/31/95 GENERAL REVISIONS
4		10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT A
107TH FLOOR PLAN
WINDOWS

HHPA PROJECT NO. 5466.03
DRAWING NO. A400
DATE: APRIL 24, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

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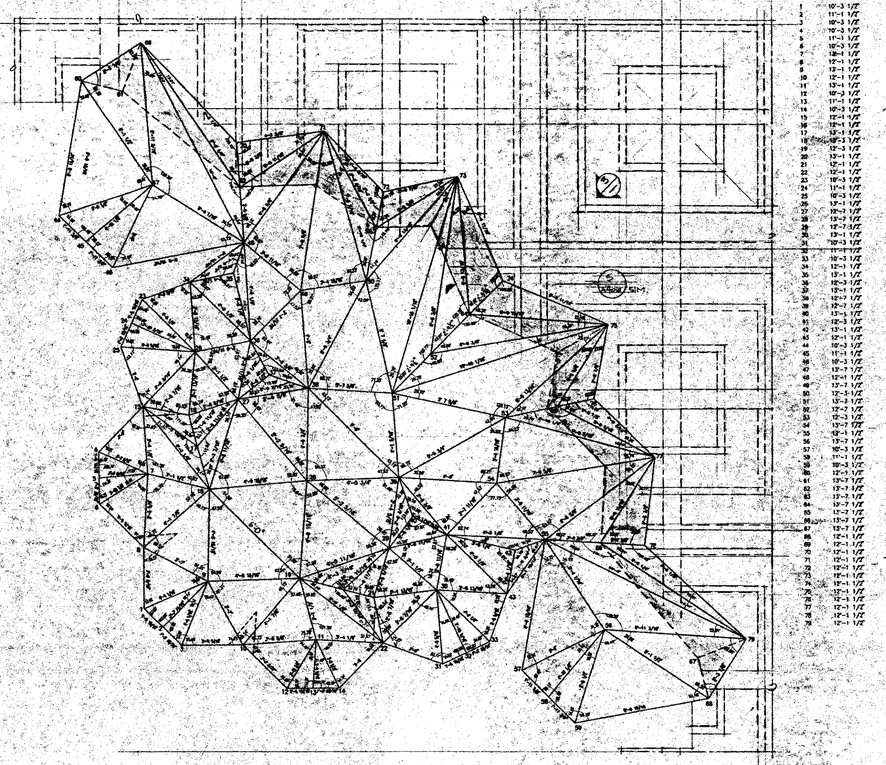
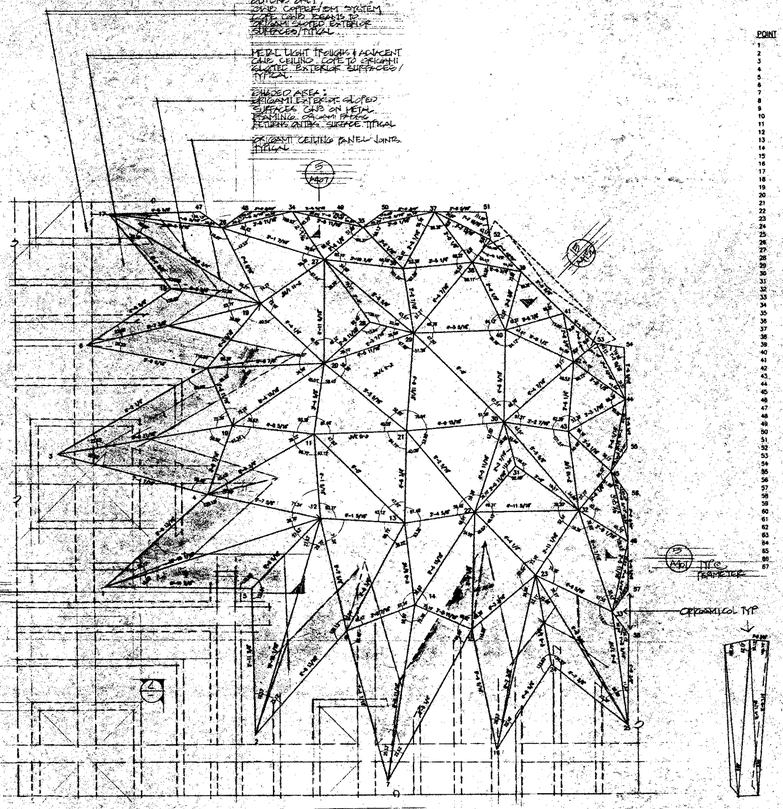
DINING 012A
DINING 012
DINING 011A
DINING 011
DINING 010
DINING 009
DINING 008
DINING 004
DINING 005A
DINING 005
DINING 003
DINING 002W
DINING 002
DINING 001
WINDOWS ON THE WORLD
2ND SEATING CAPACITY
007
DIFFUSERS ORIGAMI SEE SKETCH DWG M400 & DWG A407
DIFFUSER LOCATIONS SEE MECH. DWG. M400 & DTL. M108
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SERVICE BAR 531
BAR
DRAFT CURTAIN STOP VESTIBLE 533
DRAFT CURTAIN ABOVE
DRAFT CURTAIN ABOVE
DRAFT CURTAIN ABOVE
FOR EXISTING DIFFUSER & EXHAUST LOCATIONS SEE MECHANICAL DWG. M400
DIFFUSERS SEE MECH. DWG. M400
SMOKE DETECTOR (TYP.) SEE MECH.
CONCEALED SPRINKLER HEAD (TYP.) SEE M301
ELEC. ROOM 536
SERVICE CORRIDOR 530A
CASHIER 532
F.E.
SERVICE 534
CAT (OUTDOOR (TYP.) SEE MECH.
PIPE SHAFT
DISHWASHING 537
ELEC. ROOM 523A
539A ELEC. CLOSET
A/C SHAFT
TELE. CLOSET 542
WINE STORAGE 539
SHAFT
STAIR #1 541
A/C SHAFT
FOR EXISTING DIFFUSER & EXHAUST LOCATIONS SEE MECHANICAL DWG. M400
SERVICE CORRIDOR 540
FOR EXISTING DIFFUSER & EXHAUST LOCATIONS SEE MECHANICAL DWG. M400
DIFFUSERS ORIGAMI FOR EXACT LOCATION & DIMENSIONS SEE DWG. A407 & MECH. DWG. M400
PTD GWB BOX @ AM. TYP.
DIFFUSERS @ EACH BAR SEE MECH.
DIFFUSERS @ TWO LOCATIONS, OTHER TWO LOCATIONS HAVE CHIMNEY GRILLS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
SEE A407 FOR POD" DETAILS
RESTAURANT ENTRY
TYP.
SIMILAR
SIMILAR
SIMILAR



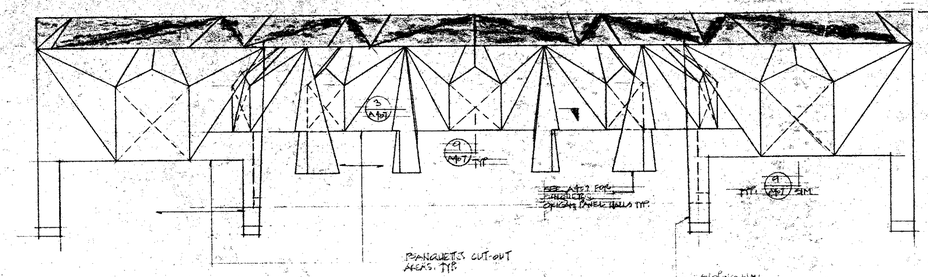
1 REFLECTED CEILING PLAN: DINING AREA 005
SCALE : 1/8" = 1'-0"



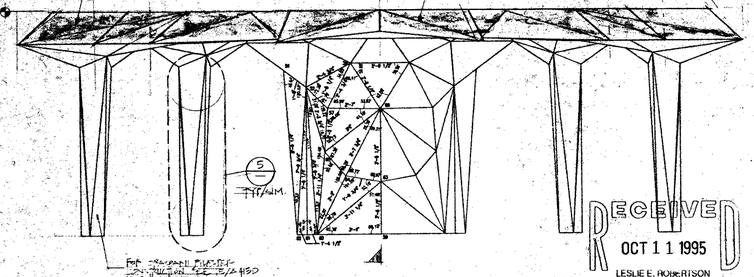
2 REFLECTED CEILING PLAN: DINING AREA 008
SCALE : 1/8" = 1'-0"



5 AXONOMETRIC VIEW OF TYPICAL ORIGAMI COLUMN
SCALE : 1/8" = 1'-0"



3 ELEVATION: DINING AREA 005 ORIGAMI CEILING
SCALE : 1/8" = 1'-0"



4 ELEVATION: DINING AREA 008 ORIGAMI CEILING
SCALE : 1/8" = 1'-0"

NOTE:
THIS DWG PRESENTS THE GEOMETRICAL ASPECTS OF THE ORIGAMI CEILING FOR SPECIFICS OF STRUCTURE, SEE A401 REF (A401) FOR FINISH, SEE A402. FOR SEE I DWGS)/INTERIOR FINISHES

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
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WORLD TRADE CENTER ONE
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CRR-LITTLE INTERNATIONAL INC.
420 MADISON AVENUE
NEW YORK, NEW YORK 10185

A/V ACOUSTICS:
SHOW MILSOM WILLE
8 EAST 36TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
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50 WEST 23RD STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEVENFELD, P.C.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A / TOWER B / NORTH

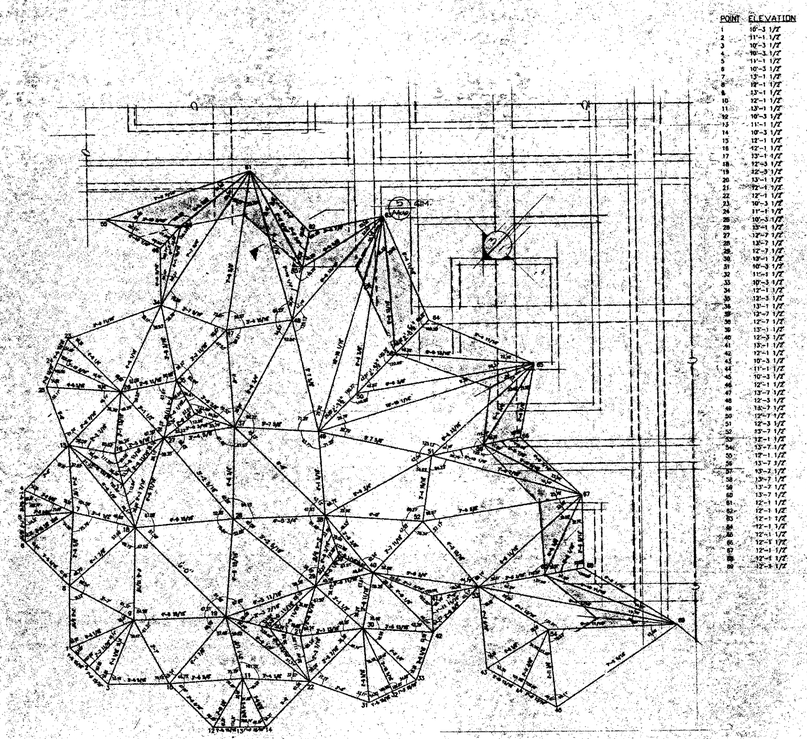
NO:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/13/95	ISSUED FOR CONSTRUCTION

TITLE:
DINING AREAS 005 & 008:
ORIGAMI CEILING ELEVATIONS & REFLECTED CEILING PLANS

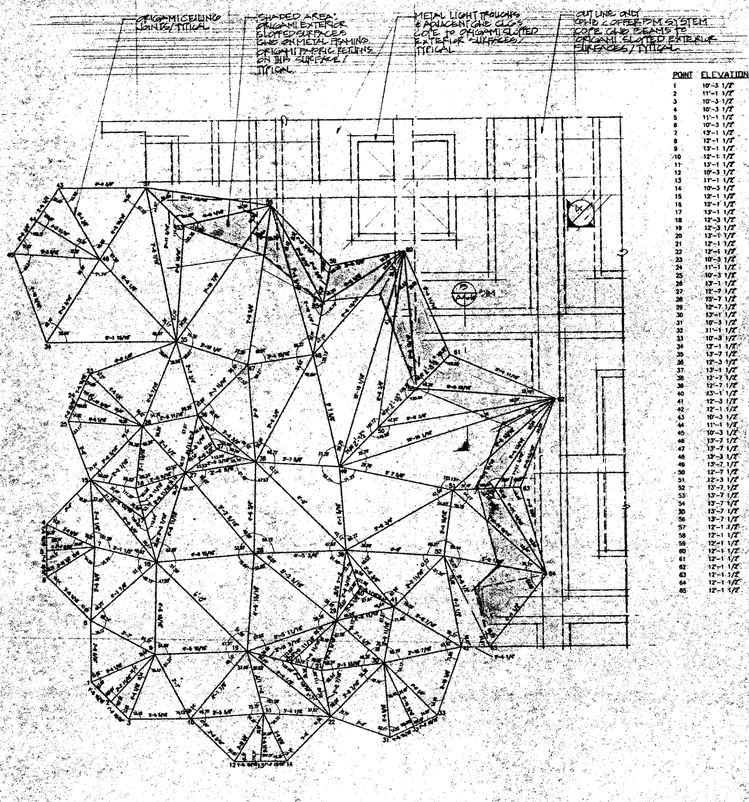
HHPA PROJECT NO.	DRAWING NO.
9446.03	A402

DATE: OCT 9TH, 1995
SCALE: 1/2"=1'-0"

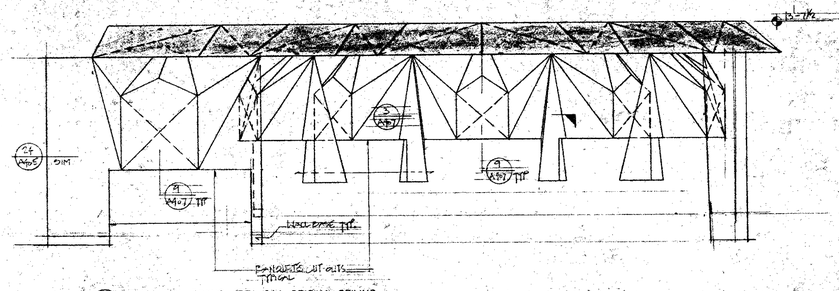
TAA 951114.07



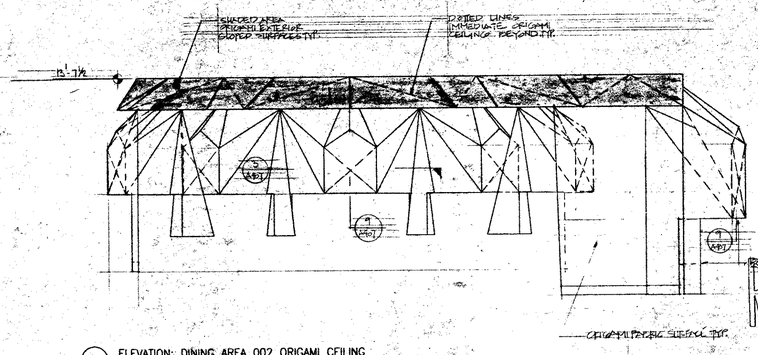
1 REFLECTED CEILING PLAN: DINING AREA 011
SCALE : 1/2" = 1'-0"



2 REFLECTED CEILING PLAN: DINING AREA 002
SCALE : 1/2" = 1'-0"



3 ELEVATION: DINING AREA 011 ORIGAMI CEILING
SCALE : 1/2" = 1'-0"



4 ELEVATION: DINING AREA 002 ORIGAMI CEILING
SCALE : 1/2" = 1'-0"

NOTE:
THIS VIEW PRESENTS THE GENERATION OF THE ORIGAMI CEILING. FOR ORIGAMI CEILING FINISHES SEE 7/16 PLAN) FOR MECH. DIFF. & LIGHTING SEE 8/16 PLAN) FOR FINISHES SEE FINISH SHEET

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OCT 11 1995
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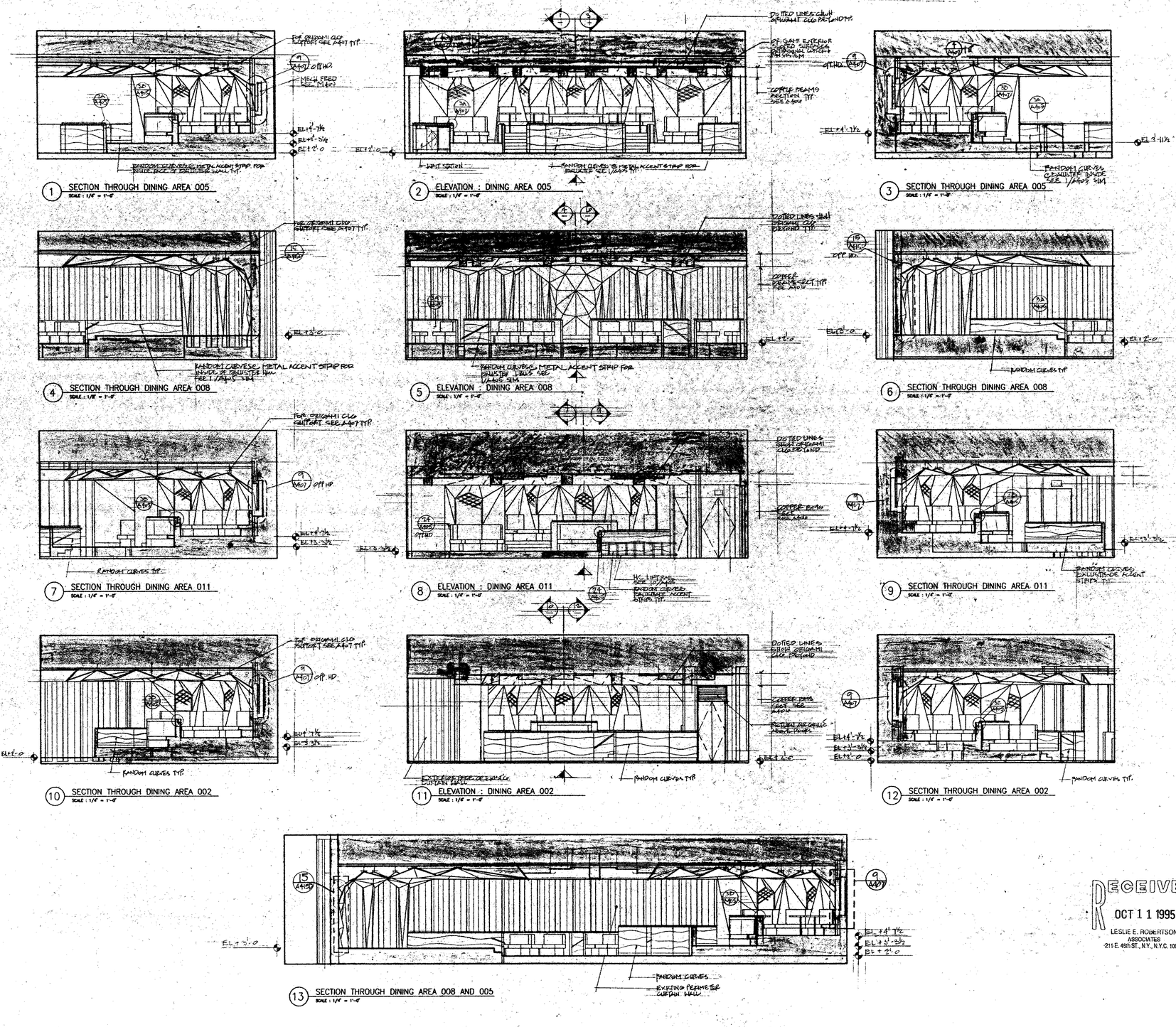
TOWER A · TOWER B · NORTH

NO.	DATE	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	9/1/95	ISSUED FOR CONSTRUCTION

TITLE
DINING AREAS 002 & 011: ORIGAMI CEILING ELEVATIONS & REFLECTED CEILING PLANS

HHPA PROJECT NO: 5466.03
DRAWING NO: A403
DATE: 9/1/1995
SCALE: 1/2"=1'-0"

TAA 951114.07



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WORLD TRADE CENTER ONE
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TOWER A: U, C, B
NORTH
TOWER B

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/4/95	ISSUED FOR CONSTRUCTION

TITLE
DINING 002, 005, 008, 011: ORIGAMI CEILING ELEVATIONS & REFLECTED CEILING PLANS

HHPA PROJECT NO.
9466.03

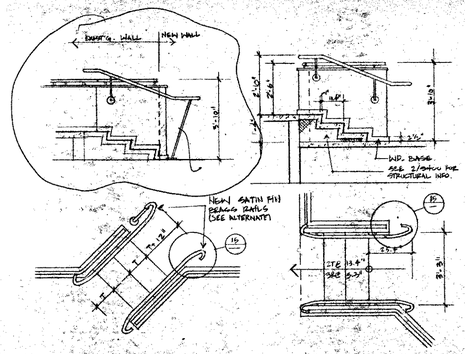
DRAWING NO.
A404

DATE:
SEPT. 18,1995

SCALE:
1/4"=1'-0"

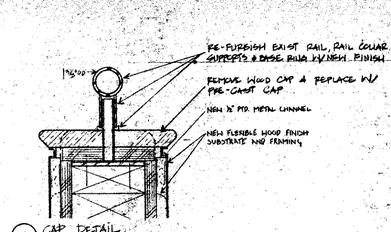
TAA 951114.07

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

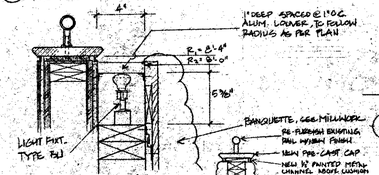


5 HANDRAIL @ EXISTING STAIR @ 006A
1½"=1'-0"

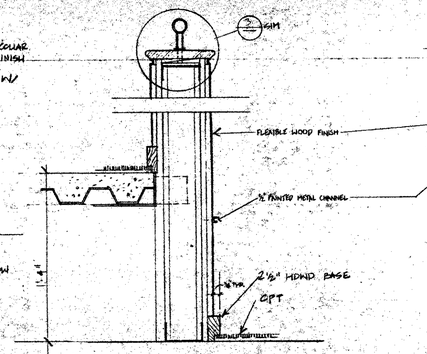
4 NEW STAIR @ 002A
1½"=1'-0"



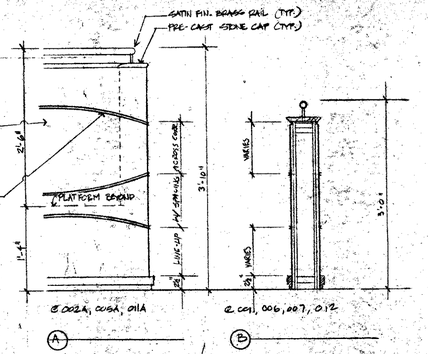
3A CAP DETAIL
HALF FULL



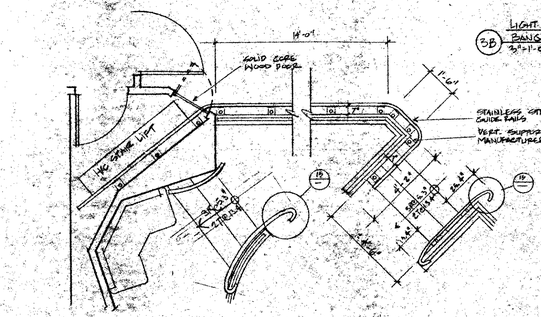
3B LIGHT FIXT. DET @ CURVED BANQUETTE
3/4"=1'-0"



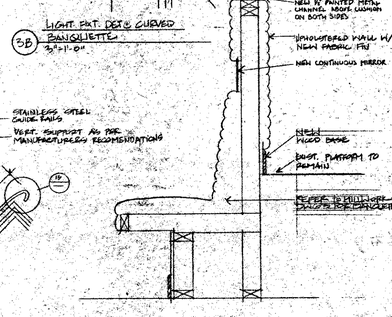
2 BALUSTRADE @ 002A, 005A & 011A
3/4"=1'-0"



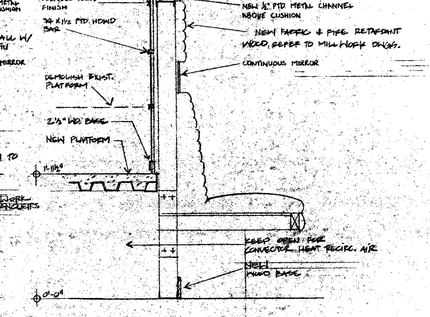
1 BALUSTRADE DET.
1½"=1'-0"



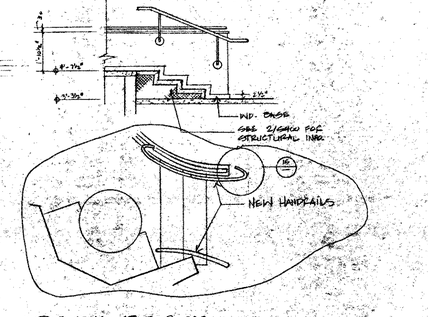
9 H/C STAIR LIFT PLAN DET.
½"=1'-0"



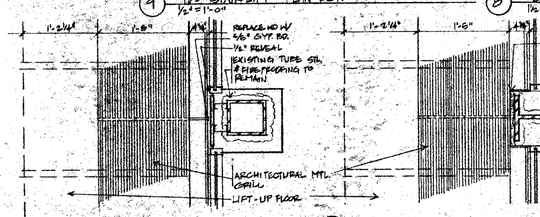
8 BALUSTRADE @ 009 & 004
1½"=1'-0"



7 BALUSTRADE @ 004 & 009
1½"=1'-0"

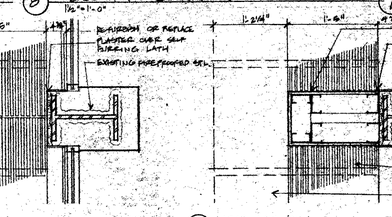


6 EXISTING STAIR @ 005
½"=1'-0"

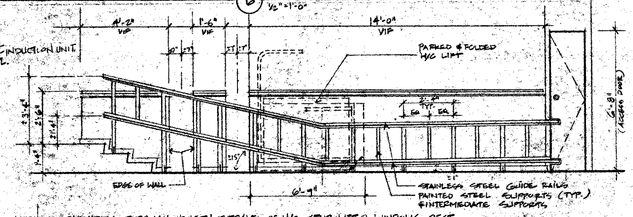


13 SMALL MULLION

12 INTERMEDIATE MULLION

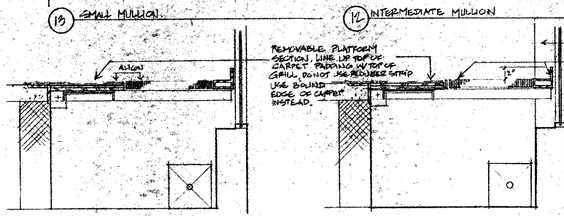


11 LARGE MULLION



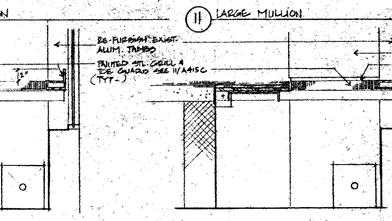
10 UNFOLDED ELEVATION THROUGH LENGTH OF TRAVEL OF H/C STAIR LIFT @ WINDOWS REST.

14 HANDRAIL DETAIL
HALF FULL

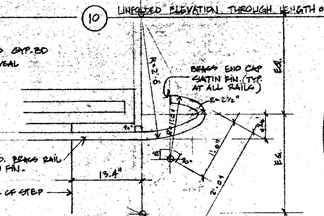


18 SECTION @ SMALL MULLION

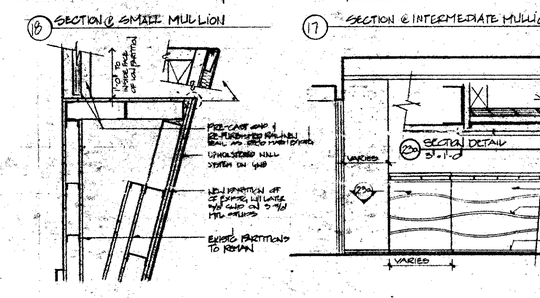
17 SECTION @ INTERMEDIATE MULLION



16 SECTION @ LARGE MULLION

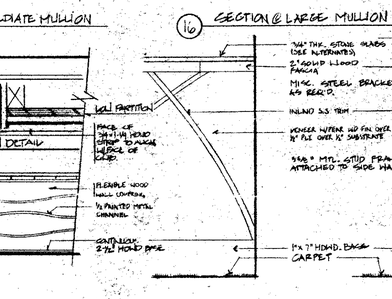


15 TYP. HANDRAIL PLAN @ END CONDITION
1½"=1'-0"

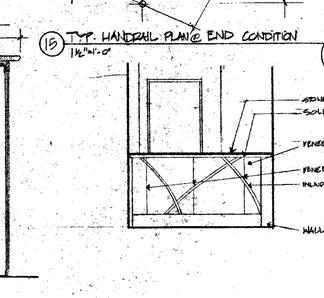


18 SECTION @ SMALL MULLION

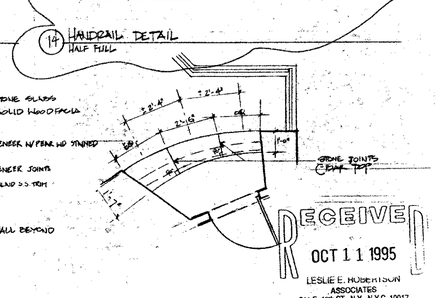
17 SECTION @ INTERMEDIATE MULLION



16 SECTION @ LARGE MULLION



15 TYP. HANDRAIL PLAN @ END CONDITION
1½"=1'-0"



14 HANDRAIL DETAIL
HALF FULL

24 PLAN DETAIL @ VESTIBULE 533/534
1-1/2"=1'-0" EXTERIOR

23 ELEVATION @ WALL AT @ VESTIBULES
1½"=1'-0"

22 BAR DETAIL ELEV.
1½"=1'-0"

21 BAR SECTION
1½"=1'-0"

20 BAR ELEVATION
1½"=1'-0"

19 W.O.W. REST. BAR - PLAN
1½"=1'-0"

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
151 WEST 42ND STREET
NEW YORK, NEW YORK 10010

ARCHITECT:
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37 ARCH STREET
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250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10003

KITCHEN PLANNING:
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151 WEST 42ND STREET
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10 EAST 40TH STREET
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LIGHTING:
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241 WEST 30TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. FERGUSON P.E.
10 WEST 35TH STREET
NEW YORK, NEW YORK 10018

BLDG. PLAN: A B C D — NORTH — BLDG.

NO:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	7/3/95	GENERAL REVISIONS
2	10/5/95	ISSUED FOR CONSTRUCTION

TITLE: WINDOWS DETAILS

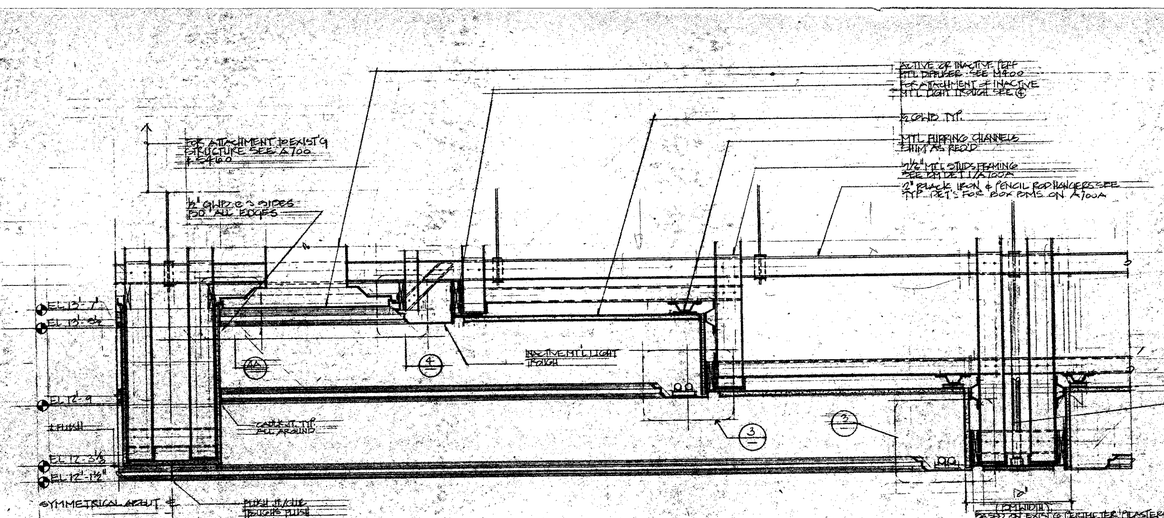
MHPA PROJECT NO. 5466.03 — DRAWING NO. A405

DATE: JUNE 9TH 1995

SCALE: 1½"=1'-0"

TAA 95114.07

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



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OCT 11 1995
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE CENTER - 107TH FLOOR WEST
ONE WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

OPERATOR:
S.C. WINDOWS CORPORATION
1251 6TH AVENUE
NEW YORK, NEW YORK 10019

ARCHITECT:
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400 PARK AVENUE
NEW YORK, NEW YORK 10022

MEP ENGINEER:
ALTEN SORY WOOD
MECHANICAL CONSULTANTS
NEW YORK, NEW YORK

STRUCTURAL ENGINEER:
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NEW YORK, NEW YORK 10011

KITCHEN PLANNING:
CINI - LITTLE INTERNATIONAL, INC.
1 PENN PLAZA - SUITE 3200
NEW YORK, NEW YORK 10119

A/V ACOUSTICS:
PETER GEORGE
NEW YORK, NEW YORK

LIGHTING:
CLINE BERNIER BROWSTEIN LIGHTING
NEW YORK, NEW YORK 10016

CODE CONSULTANT:
DAVID M. SCHWARTZ, P.E.
NEW YORK, NEW YORK 10016

BLDG. / NORTH / BLDG.

NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
1 7/31/95 GENERAL REVS
2 10/9/95 ISSUED FOR CONSTRUCTION

TITLE
CEILING DETAILS/RESTAURANT GRID
107TH FLOOR

HHPA PROJECT NO. 5466.03
DRAWING NO. **A406**
DATE MAY 22, 1995
SCALE: 3/4" = 1'-0"

TAA 951114.07

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

4 PARTIAL ELEVATION - ORIGAMI
1/4"=1'-0"

3A PART. PLAN - NEW BAY
1/4"=1'-0"

3 PARTIAL PLAN - ORIGAMI EXPRESS BAY
1"=1'-0"

2 PLAN/RCP - TYPICAL ORIGAMI BAY
1/4"=1'-0"

1 PLAN/RCP - N.E. CORNER DINING 008
1/4"=1'-0"

9 SECTION THRU BANQUET
1-1/2"=1'-0"

8 SECTION DETAIL THRU HEAD & SILL
1/2 FULL

18 PARTIAL ELEVATION - N.E. CORNER
1-1/2"=1'-0"

17 PLAN - DETAIL @ BANQUET
3"=1'-0"

20 PARTIAL PLAN - N.E. CORNER
1-1/2"=1'-0"

19 PLAN - DETAIL ORIGAMI PROW
1/2 FULL

7 PART. PLAN - ABOVE ORIGAMI
1/4"=1'-0"

6 SECTION @ PERIMETER REGISTER
3/4"=1'-0"

13 SECTION THRU ORIGAMI SUPP.
3/4"=1'-0"

12 SECTION THRU ORIGAMI SUPPORT
3/4"=1'-0"

15 PLAN DETAIL ORIGAMI SUPPORT
3/4"=1'-0"

14 AXON THRU ORIGAMI SUPP.
N.T.S.

16 PLAN SECTION THRU ORIGAMI @ RTE. PERIMETER
1-1/2"=1'-0"

5 SECTION THRU PERIMETER - N.E.
1"=1'-0"

10 PARTIAL PLAN - N.E. CORNER - DINING 008
1/2"=1'-0"

11 PARTIAL RCP - N.E. CORNER
1/2"=1'-0"

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER - 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
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1 WORLD TRADE CENTER
NEW YORK, NEW YORK 10070

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
902 BROADWAY - 10TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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100 PROGRESS PARKWAY
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
1 PENN PLAZA
NEW YORK, NEW YORK 10165

AV ACOUSTICS:
PAUL NELSON WOLFE
1 WEST 30TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE DESIGNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODES NON
DAVID E. LIEBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

BLDG A B C D
NORTH
BLDG 1

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	7/31/95	GENERAL REVISIONS
2	9/11/95	GENERAL REVISIONS
3	10/9/95	ISSUED FOR CONSTRUCTION

TITLE: ORIGAMI DETAILS
107.5 FLR.

HHPA PROJECT NO.: 9408.03
DRAWING NO.: A-407
DATE: MAY 22, 1995
SCALE: 1/8"=1'-0"

TAA951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

(2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

(4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.

NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

(7) PROVIDE NEW BASE RAILS

(8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

(9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.

NOT USED (11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID

NOT USED (12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.

NOT USED (15) REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED (15a) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.

NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.

NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON-SITE. -DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)

NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. - VERIFY PARTITION TYPE IN FIELD.

NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

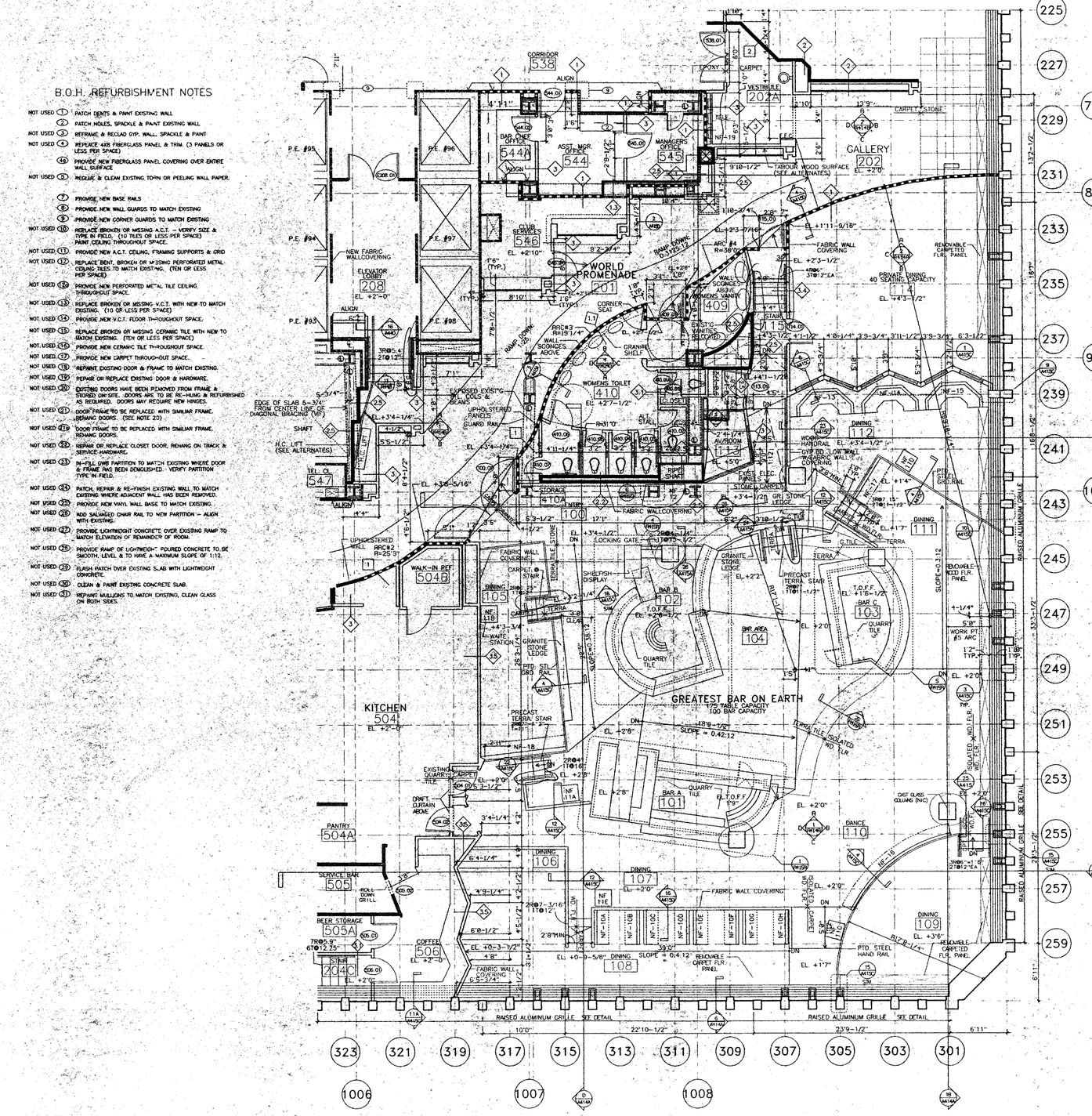
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



NOTES:

1. SEE A714 FOR ALL GREATEST BAR ON EARTH MILLWORK
2. SEE A715 FOR ALL BANQUETTES
3. SEE I-110, 118 AND I.26 FOR INTERIOR FINISHES
4. THE SLOPING SURFACE OF THE EAST PROMENADE IS TO BE RADIALLY-CONTOURED OFF OF THE CURVING SOUTH WALL.

AT SLOPE $\frac{2'1-1/4"\text{RISE}}{86'0"\text{RUN}} = 0.02446$

0.02446 (1:20 RAMP THRESHOLD

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, 72ND FLOOR WEST
NEW YORK, NEW YORK 10048

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B.E. WINDOWS CORPORATION
1 WORLD TRADE CENTER
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ARCHITECT:
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NEW YORK, NEW YORK 10003

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1 FORESTER AVENUE
NORWALK, CONNECTICUT 06851

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NEW YORK, NEW YORK 10017

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CINI-LITTLE INTERNATIONAL INC.
10 EAST 40TH STREET
NEW YORK, NEW YORK 10016

A/V ACOUSTICS:
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6 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 E. 58TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEBOWITZ P.E.
75 WEST 36TH STREET
NEW YORK, NEW YORK 10018

TOWER A · TOWER B · TOWER C · TOWER D · NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/9/95	PA QUERIES/REVISIONS
3	7/31/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
107TH FLOOR PLAN
GREATEST BAR ON EARTH

HHPA PROJECT NO. 5466.03 · DRAWING NO. A410

DATE: JUNE 29, 1995

SCALE: 1/4"=1'-0"

TAA 951114.07

NOTES:
1) FOR ALL DIFFUSERS, SPRINKLERS, AND SMOKE DETECTOR REFERENCE ARCH. DWGS IN COORDINATION WITH MEP. DRAWINGS.
2) SEE L-DRI FOR ALL CEILING TYPE DESIGNATIONS.

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 48th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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305 BROADWAY, 12TH FLOOR
NEW YORK, NEW YORK 10010

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10 NEW ENGLAND DRIVE
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250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
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1 PENN PLAZA, SUITE 4300
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN MILSOM WILKE
6 PENN PLAZA
NEW YORK, NEW YORK 10016

LIGHTING:
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150 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIBERMAN, P.C.
40 WEST 57TH STREET
NEW YORK, NEW YORK 10018

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NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	7/31/95	GENERAL REVISIONS
2	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
107TH REFLECTED CEILING
GREATEST BAR ON EARTH

HHPA PROJECT NO. 5466.03
DRAWING NO. A411
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

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OCT 11 1995
GEORGE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
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ONE WORLD TRADE CENTER
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37 KNIGHT STREET
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NEW YORK, NEW YORK 10017

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NEW YORK, NEW YORK 10010

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50 MILL STREET
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31 WEST 27th STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID A. LEVENTHAL P.E.
270 WEST 96th STREET
NEW YORK, NEW YORK 10025

BLDG

NORTH

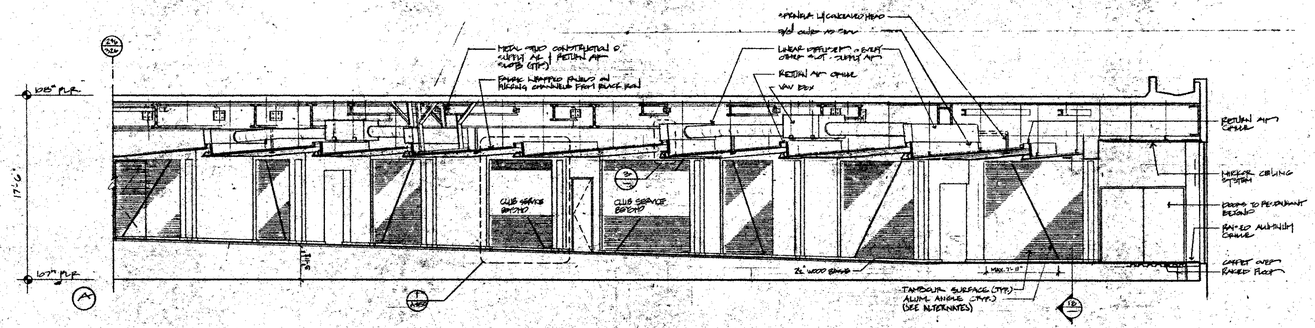
BLDG

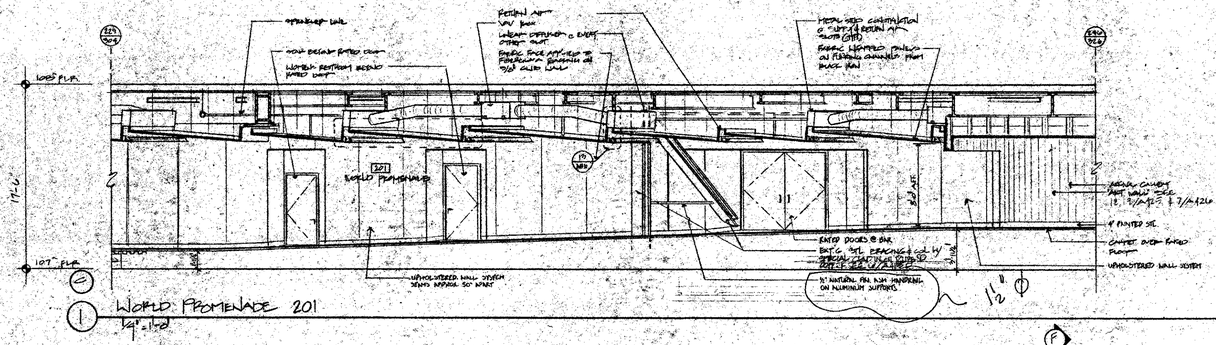
NO: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 7/31/95 GENERAL CORRECTION
2 9/7/95 ISSUED FOR CONSTRUCTION

TITLE:
GREATEST FEAT ON EARTH ELEVATION
GREATEST FEAT ON EARTH

NHPA PROJECT NO. 5466.03
DRAWING NO.
DATE: MAY 22, 1995
SCALE: 1/4"=1'-0"
A 414A

TAA-95114.07





1 WORLD PROMENADE 201
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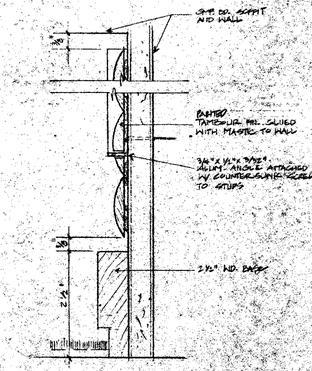
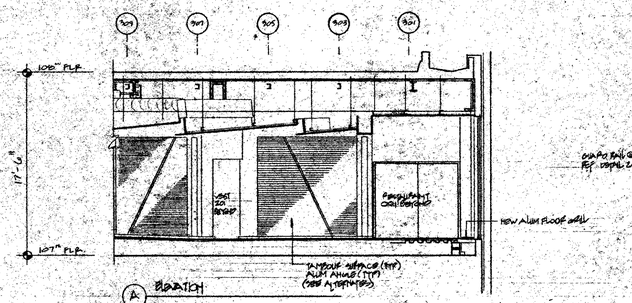


B TAMBOUR FINISH DETAIL (SEE ALTERNATES)
FULL SCALE



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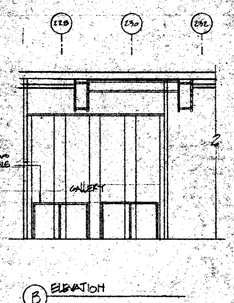
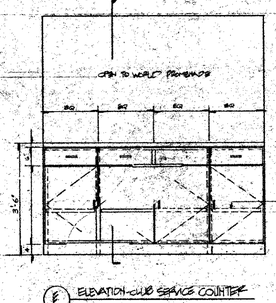
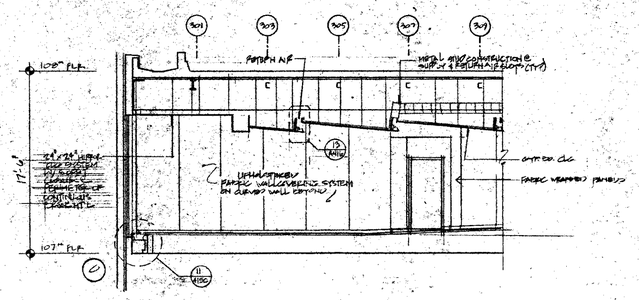


B ELEVATION



F ELEVATION-CLUB SERVICE COUNTER



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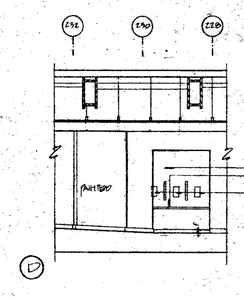
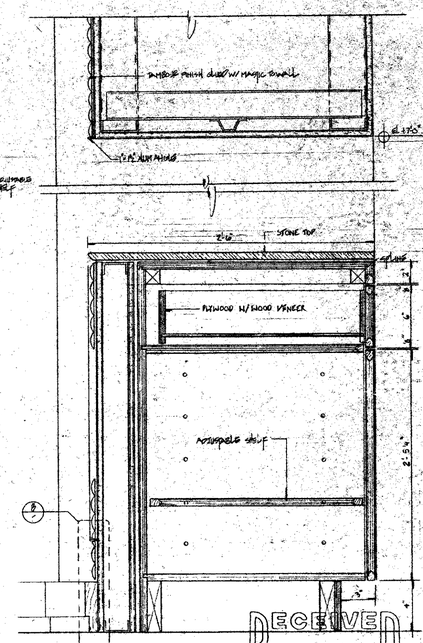


D

2 GALLERY
1/4"=1'-0"



B/A

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER - 66TH FLOOR, WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
1 PENN PLAZA
NEW YORK, NEW YORK 10019

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
200 BROADWAY - 17TH FLOOR
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MEP ENGINEER:
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STRUCTURAL ENGINEER:
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250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI - LITTLE INTERNATIONAL, INC.
150 EAST 58TH STREET
NEW YORK, NEW YORK 10155

A/V ACOUSTICS:
BOLT BERANEK NEWMAN
50 MOULTON STREET
NEW YORK, NEW YORK 10036

LIGHTING:
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150 EAST 58TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID D. LEBOWITZ P.E.
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NEW YORK, NEW YORK 10018

BLDG. A — NORTH — BLDG.

NO.:	DATE:	REVISIONS:
1	7/14/95	GENERAL REVISIONS
2	10/6/95	ISSUED FOR CONSTRUCTION

TITLE:
QUADRANT B
107TH FLOOR ELEVATIONS
WORLD PROMENADE

HHPA PROJECT NO. 9456.01
DRAWING NO. A4.14B
DATE: JUNE 9TH 1995
SCALE: 1/4"=1'-0"

TAA-951114.07

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

1 BAR A - PLAN
REF DWG. A410

2 BAR A - NORTH ELEVATION
REF DWG 1/A415A

3 BAR A - EAST ELEVATION
REF. DWG. 1/A415A

4 BAR B - PLAN
REF. DWG. A410

5 BAR C - PLAN
REF. DWG. A410

6 BAR A - WEST ELEVATION
REF DWG. 1/A415A

7 BAR A - SOUTH ELEVATION
REF DWG 1/A415A

8 BAR B - NORTH ELEVATION
REF DWG 4/A415A

9 BAR B - SOUTH ELEVATION
REF DWG 4/A415A

10 BAR C - NORTH ELEVATION
REF DWG 5/A415A

11 SOUTH ELEVATION
REF. DWG. 5/A415A

12 BAR C - EAST ELEVATION
REF DWG 5/A415A

13 BAR C - WEST ELEVATION
REF DWG. 5/A415A

14 BAR B - EAST ELEVATION
REF DWG 4/A415A

15 BAR B - WEST ELEVATION
REF DWG 1/A415A

16 ELEV - ISLAND LIQUOR DISPLAY
REF DWG/SHEET# 12"=1'-0"

17 PLAN - ISLAND LIQUOR DISPLAY
REF DWG/SHEET# 12"=1'-0"

18 ELEV - ISLAND LIQUOR DISPLAY
REF DWG/SHEET# 12"=1'-0"

19 SECTION - ISLAND LIQUOR DISPLAY
REF. DWG. 1/A415A

20 OVERHEAD GLASS PLAN - SECTION
REF. DWG. 1, 4, 5/A415A

21 OVERHEAD GLASS RACK - PLAN
REF. DWG. 1, 4, 5/A415A

22 FLR SECTION
REF. DWG A410

23 FLR SECTION
REF. DWG A410

24 FLR SECTION
REF. DWG A410

25 FLR SECTION @ STAIR
REF. DWG A410

26 SECTION @ GUARD RAIL - BAR B
REF. DWG A410

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OCT 11 1995
PHOTO STL. LESLIE E. HOBERTSON ASSOCIATES
GRANITE 211 E. 43rd ST., N.Y., N.Y.C. 10017
MUD SET

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KITCHEN PLANNING
CINI-LITTLE INTERNATIONAL, INC
NEW YORK, NEW YORK 10165

M/E ACOUSTICS
JAFFE HOLDEN SCOTT & FOX
NEW YORK, NEW YORK 10016

LIGHTING
CLINE BERNIER BORNSTEIN LIGHTING
NEW YORK, NEW YORK 10010

CODE/ ADA
DAVID E. KUDISH ESQ.
NEW YORK, NEW YORK 10018

BLDG

NO	DATE	REVISIONS
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/11/95	ISSUED FOR CONSTRUCTION

TITLE
QUADRANT B
Greenbelt Bar on Earth - DETAILS

HHPA PROJECT NO. 5466.03
DRAWING NO.
DATE 7/31/95
SCALE AS NOTED
A415A

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
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1 WORLD TRADE CENTER, 104TH FLOOR WEST
NEW YORK, NEW YORK 10048

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KITCHEN PLANNING:
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NEW YORK, NEW YORK 10016

A/V ACOUSTICS:
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NEW YORK, NEW YORK 10016

LIGHTING:
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CODES/ ADA:
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70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

BLDG. C A B D BLDG. NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION

TITLE:
QUADRANT B
Greatest Bar on Earth - DETAILS

HHPA PROJECT NO.: 9.6.95.05 DRAWING NO.:
DATE: 7/5/95
SCALE AS NOTED

A415B

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

1 PLAN SECTION at WALL @ BANQUETTE BE-10
REF. DWG. G/A45C

2 PLAN SECTION at WALL @ BANQUETTE BE-10
REF. DWG. G/A45C

3 PLAN-SECTION & ELEVATION at GRILLE @ E.O.S. @ PERIMETER - TYP. AT FOR GREATEST SIMPSON BANTH; ELSEWHERE AS SHOWN
REF. DWG.

4 SECT. at ST. STL. GUARDRAIL
REF. DWG. A41C

5 JAMB
FULL SCALE
REF. DWG. G/A45C

6 WALL SECT. @ BANQUETTE BE-10
REF. DWG. A41C

7 ELEVATION at ST. STL. GUARDRAIL
REF. DWG.

8 PLAN-SECTION at ST. STL. GUARDRAIL
REF. DWG.

9 PLAN-SECT. @ GRILLE
REF. DWG. A41C

10 GRILLE DETAIL - PLAN-SECTION
REF. DWG. A41C

11 SECTION at GRILLE @ E.O.S. @ PERIMETER - TYP.
REF. DWG. 11/A45C

12 SECTION @ LOW WALL
REF. DWG. A41C

13 SECTION @ GRILLE
REF. DWG. 11/A45C

14 SECTION at GRILLE @ E.O.S. @ PERIMETER
REF. DWG. 11/A45C

15 PLAN-SECT. @ GRILLE
REF. DWG. A41C

16 TYPICAL STAIR SECTION
REF. DWG. A41C

17 PERF. MTL. JOINT
REF. DWG.
PERF. MTL. SHEET 8'-0" SPAN @ 3 C.O.C. @ 4 SUPP.
FULL SCALE

18 PLAN-SECT @ PERF. MTL.
REF. DWG. 9/A45C
FULL SCALE

19 PERF. MTL. PLASTER
SECTION - REF. DWG. 11/A45C

20 ELEVATION @ GRILLE
REF. DWG. 15/A45C

21 HANDRAIL 150° WINDOW
HALF FULL SCALE

22 TERRAZZO STAIR
REF. DWG. A41C

23 HANDRAIL DETAIL
REF. DWG. A41C

24 SECTION
HALF FULL SCALE
REF. DWG. 20/A45C

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WORLD TRADE DEPARTMENT
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KITCHEN PLANNING:
ONN - LITTLE INTERNATIONAL INC.
30 JOHN JAMESON AVENUE
NEW YORK, NEW YORK 75165

A/V ACOUSTICS
SHEN WILSON WAKE
6 EAST 39th STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BERTRIDGE BERNSTEIN LIGHTING
30 JOHN STREET
NEW YORK, NEW YORK 10010

CODES/ ADA
DAVID E. LIEBOWITZ, P.E.
10 WEST 35th STREET
NEW YORK, NEW YORK 10016

NO. DATE: REVISIONS
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/11/95 ISSUED FOR CONSTRUCTION

TITLE
QUADRANT B
Greatest Bar on Earth - DETAILS
HHPA PROJECT NO. 9466.03
DRAWING NO.
DATE: 7/31/95
SCALE: 1/8"=1'-0"
A4150

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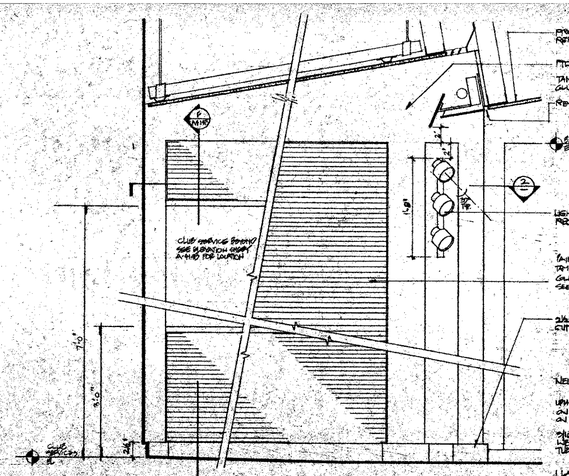
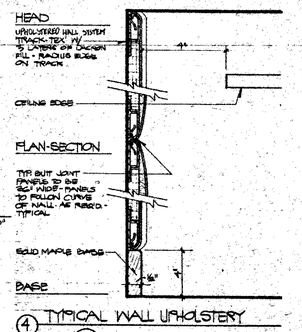
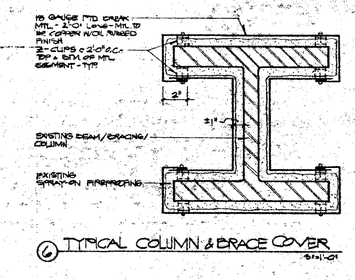


1 ART NICHE @ WORLD PROMENADE - ELEV.
REF. DWG. 2/A410

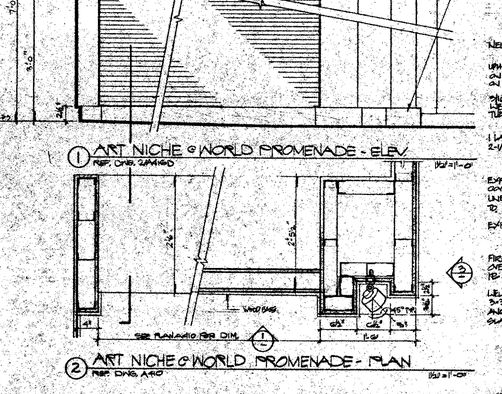
3 ART NICHE @ WORLD PROMENADE
REF. DWG. 2/A410



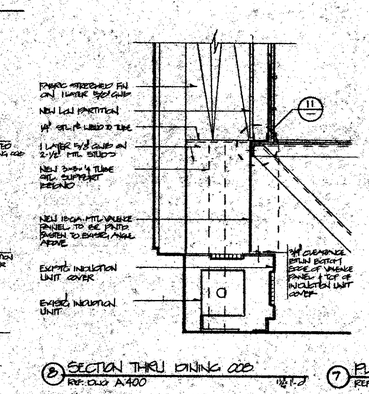
4 TYPICAL WALL UPHOLSTERY



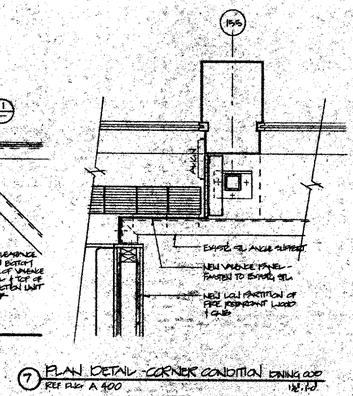
6 TYPICAL COLUMN & BRACE COVER
3/4"=1'-0"



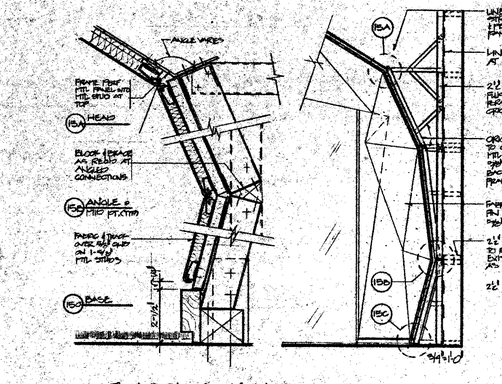
9 SECTION THRU DINING 008 SLAB
REF DWG A400



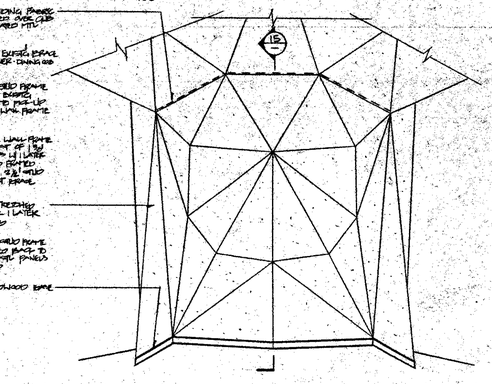
8 SECTION THRU DINING 008
REF. DWG A400



7 PLAN DETAIL - CORNER CONDITION DINING 008
REF PLN A 400

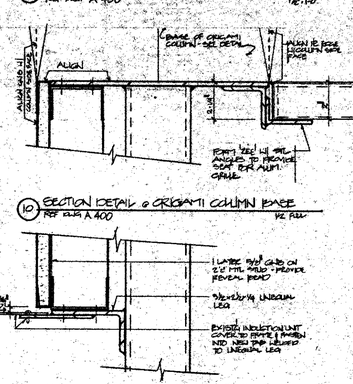


15 SECTION THRU ORIGAMI WALL @ DINING 008
REF DWG 1/A402, A404



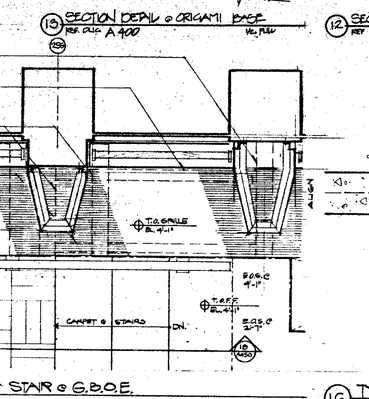
14 ELEVATION - ORIGAMI @ DINING 008
REF DWG 1/A402, A404
N.T.S.

8 SECTION THRU DINING 008
REF. DWG A400

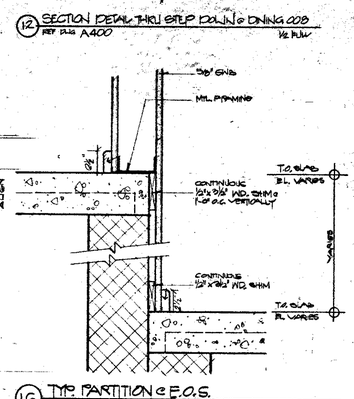


11 SECTION DETAIL @ EDGE OF DINING 008
REF. DWG A 400
1½" FULL

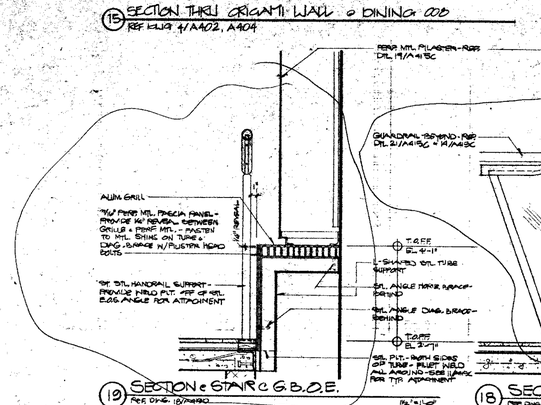
10 SECTION DETAIL @ ORIGAMI COLUMN BASE
REF. DWG A 400
1½" FULL



13 SECTION DETAIL @ ORIGAMI BASE
REF. DWG A 400
1½" FULL



12 SECTION DETAIL THRU STEP DOWN @ DINING 008
REF DWG A400
1½" FULL



19 SECTION @ STAIR @ G.B.O.E.
REF DWG. 10/A410

18 SECTION @ STAIR @ G.B.O.E.
REF DWG 7/A410

17 PLAN DETAIL @ STAIR @ G.B.O.E.
REF DWG A410

16 TYP. PARTITION @ E.O.S.
REF. DWG

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT - 1 WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

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136 5TH AVENUE
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MEP ENGINEER:
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150 MADISON AVENUE
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41 EAST 28TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
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30 WEST 22ND STREET
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73 WEST 132nd STREET
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BLDG A, D, A, C, B, BLDG — NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
Δ	10/6/95	ISSUED FOR CONSTRUCTION

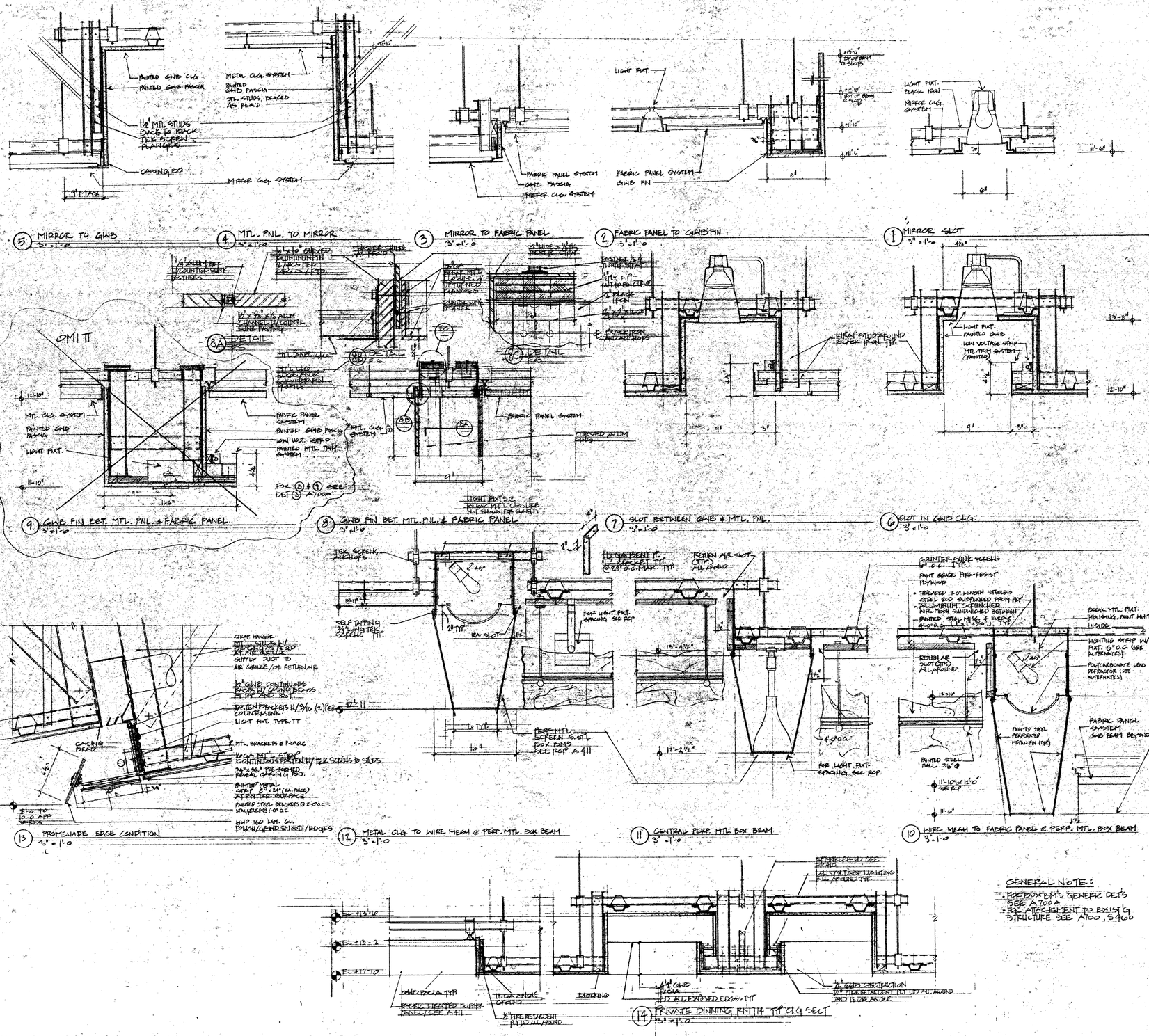
TITLE: MISCELLANEOUS DETAILS 10TH FLR. PROMENADE, ORIGAMI, BAR

HHPA PROJECT NO. 9466.03 — DRAWING NO. A415D

DATE: 7/21/95

SCALE: VARIES

TM95114.07



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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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CODE/ADA:
DAVID A. J. KROPPITZ, P.E.
1 PENN PLAZA - 11TH FLOOR
NEW YORK, NEW YORK 10019

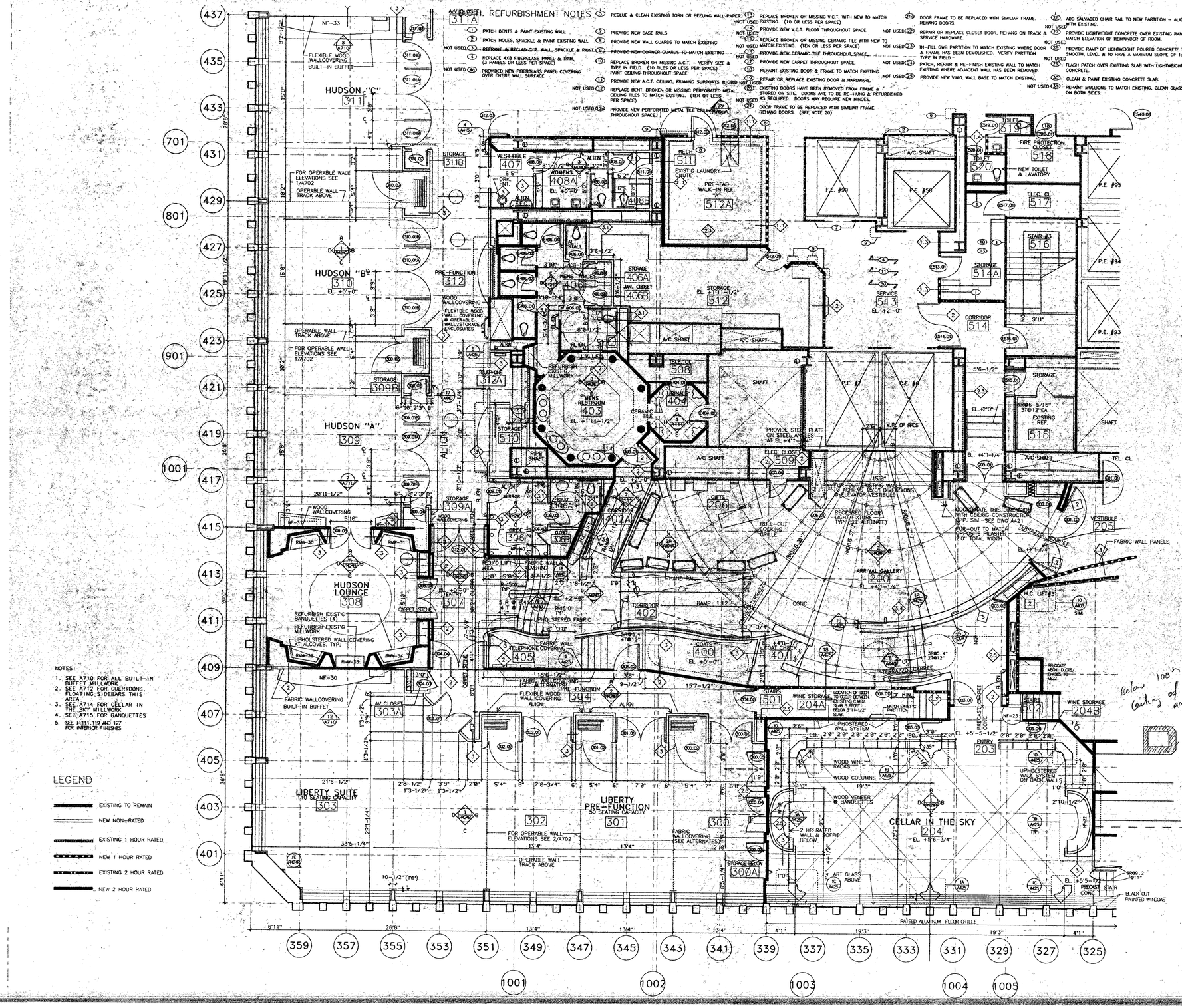
BLDG. C A B NORTH BLDG. B

NO.	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION:		
1	7/31/95	GENERAL REVISIONS
2	8/11/95	BUILD FOR CONSTRUCTION

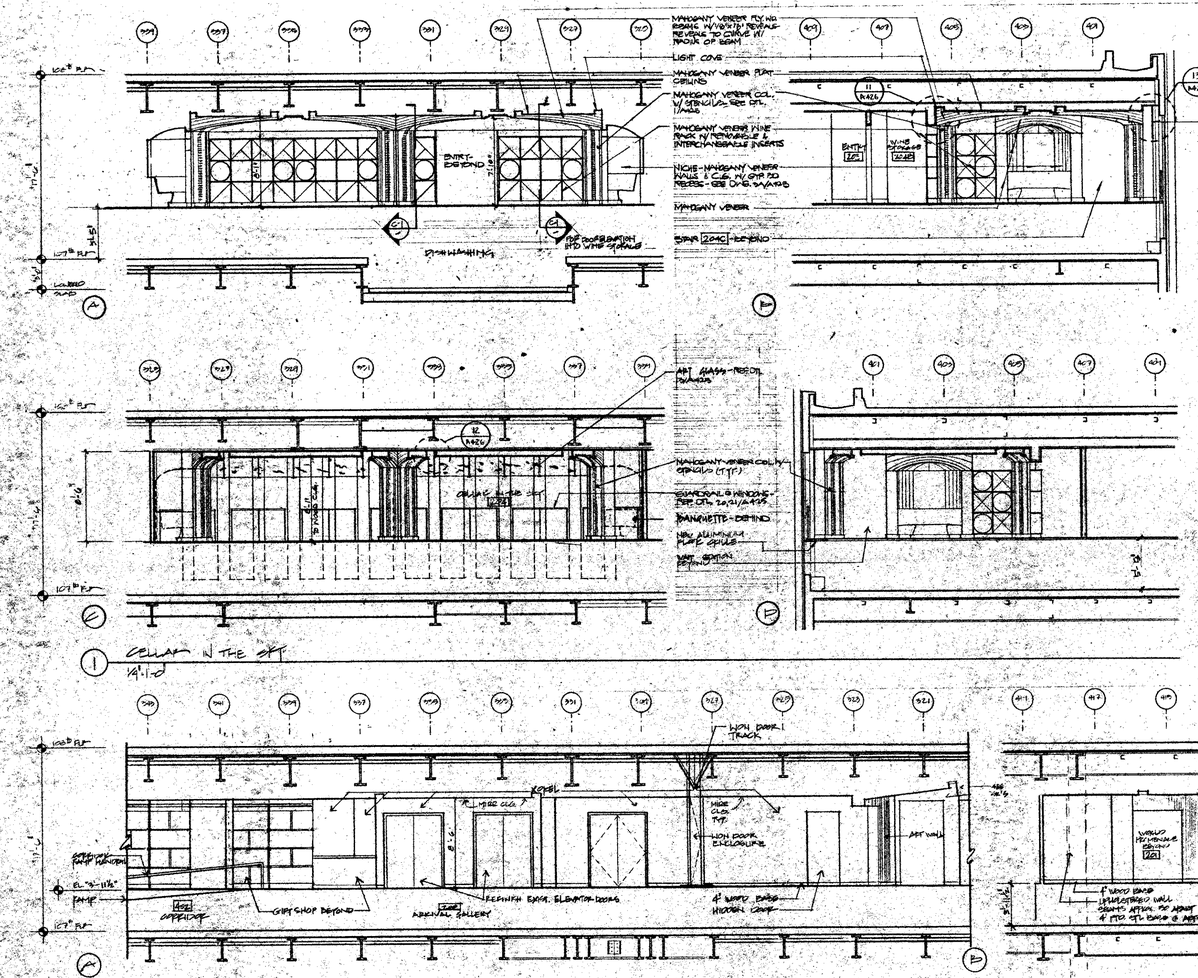
TITLE
CEILING DETAILS

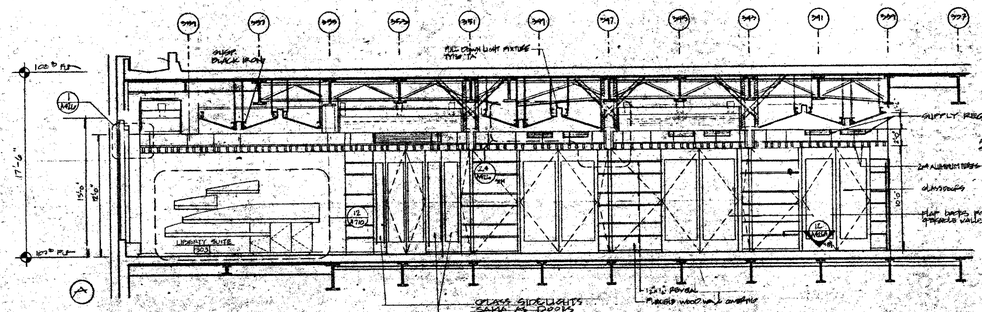
HHPA PROJECT NO. 9488.03
SCALE: 3" = 1'-0"
DRAWING NO. A416

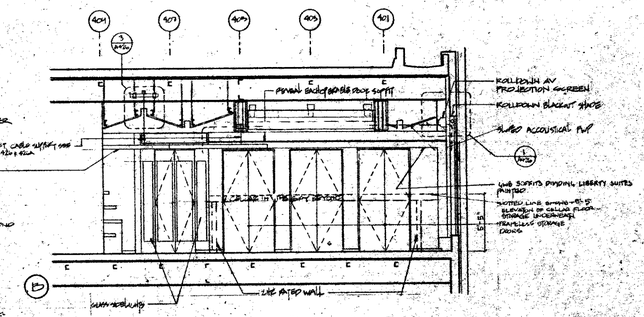
TA-951114.97

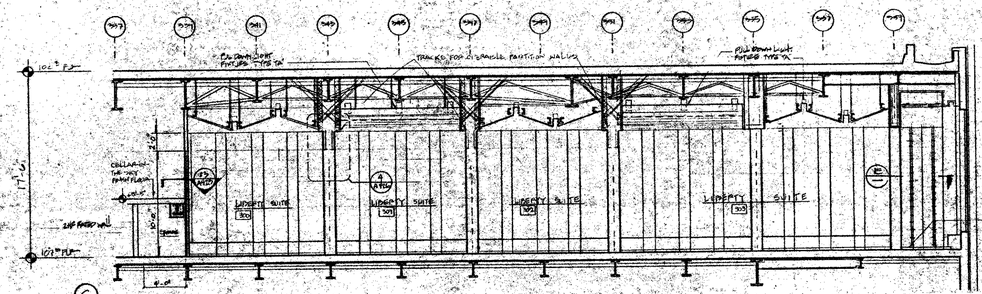

A/V BOOTH 311A
REFURBISHMENT NOTES
1 REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
2 PATCH DENTS & PAINT EXISTING WALL.
3 PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
NOT USED 4 REFRAME & RECLAD CYP. WALL, SPACKLE & PAINT.
5 REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4a PROVIDED NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
6 PROVIDE NEW BASE RAILS.
7 PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
8 PROVIDE NEW CORNER GUARDS TO MATCH EXISTING.
9 REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
10 PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.
NOT USED 12 REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12a PROVIDE NEW PERFORATED METAL TILE CEILING FLOOR THROUGHOUT SPACE.
13 REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
14 PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED 15 REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
16 PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
17 PROVIDE NEW CARPET THROUGHOUT SPACE.
18 REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
19 REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 20 EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
21 DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)
21a DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS.
NOT USED 22 REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED 23 IN-FILL CWG PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED 24 PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25 PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED 26 ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27 PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28 PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29 FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
30 CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31 REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.
HUDSON "C" 311
HUDSON "B" 310
HUDSON "A" 309
PRE-FUNCTION 312
HUDSON LOUNGE 308
LIBERTY SUITE 303
LIBERTY PRE-FUNCTION 301
CELLAR IN THE SKY 204
MEN'S RESTROOM 403
WOMEN'S RESTROOM 408
MECH 511
PRE-FAB WALK-IN REF. "A" 512A
STORAGE 512
SERVICE 513
TOILET 519
TOILET 520
FIRE PROTECTION CLOSET 518
NEW TOILET & LAVATORY
ELEC. CL. 517
STAIR #3 516
STORAGE 514A
CORRIDOR 514
STORAGE 515
EXISTING REF. 515
ELEC. CLOSET 509
CORRIDOR 402
ARRIVAL GALLERY 200
VESTIBULE 205
ENTRY 203
STAIRS 501
STAIRS 502
WINE STORAGE 204A
WINE STORAGE 204B
COATS 400
COAT CHECK 401
GIFTS 206
STORAGE 309A
STORAGE 309B
STORAGE 310
STORAGE 406A
JAN. CLOSET 406B
STORAGE 510
STORAGE 514
STORAGE 300A
CORRIDOR 306
CORRIDOR 307
CORRIDOR 308A
CORRIDOR 308B
VESTIBULE 407
WOMENS 408A
STALL 408B
PRE-FUNCTION 312A
AV CLOSET 303A
STORAGE 406
STORAGE 408
STORAGE 409
STORAGE 410
STORAGE 411
STORAGE 412
STORAGE 413
STORAGE 414
STORAGE 415
STORAGE 416
STORAGE 417
STORAGE 418
STORAGE 419
STORAGE 420
STORAGE 421
STORAGE 422
STORAGE 423
STORAGE 424
STORAGE 425
STORAGE 426
STORAGE 427
STORAGE

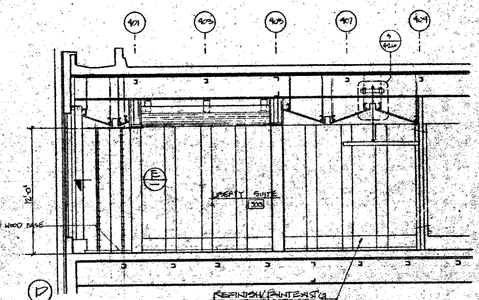
HUDSON "C" 311
HUDSON "B" 310
HUDSON "A" 309
HUDSON LOUNGE 308
LIBERTY SUITE 110 SEATING CAPACITY 303
LIBERTY PRE-FUNCTION 50 SEATING CAPACITY 301A
CELLAR IN THE SKY 200
A/V CLOSET 311A
STORAGE 311B
PRE-FUNCTION 312
STORAGE 509
STORAGE 510
STORAGE 514A
STORAGE 512
MECH 511
PRE-FAB WALK-IN REF. "A" 512A
WOMENS 408A
MENS 406
408A
408B
406A
406B
TOILET 519
TOILET 520
FIRE PROTECTION CLOSET 518
ELEC. CL. 517
STAIR #3 516
CORRIDOR 519
STORAGE 515
TEL. CL. 508
ELEC. CLOSET 509
CHETS 206
CORRIDOR 402A
CORRIDOR 402
ARRIVAL GALLERY 200
VESTIBULE 205
TOILET 307A
TOILET 306A
RISER 308
TELEPHONE 405
COATS 400
CORRIDOR 401
STAIRS 501
STAIRS 502
WINE STORAGE 204A
WINE STORAGE 204B
ENTRY 203
PRE-FUNCTION 302
PARTITION TRACK 302
PARTITION TRACK 300
SHAFT
A/C SHAFT
F.E. #99
F.E. #50
F.E. #7
C.E. #6
P.E. #95
P.E. #94
P.E. #93
EXISTING CEILING TO REMAIN
EXISTING RISER
REFURB W/ NEW TWP. DEMO RESTROOM 403
NEW GWB
NEW LT. FIXT. TO MATCH REFURB
REMOVE & REINSTALL NEW LINER
REMOVE & REINSTALL NEW LINER
REMOVE & REINSTALL NEW LINER

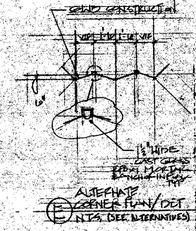

MAHOGANY VENEER PLYWD PANEL W/VERT'L REVEALS REVERSE TO DRAW IN FROM FACE OF BEAM
LIGHT COVE
MAHOGANY VENEER FLAT CEILING
MAHOGANY VENEER COL. W/ SPECIALS - SEE DTL. 11/A426
MAHOGANY VENEER PANEL W/ REVEALS & INTERCHANGEABLE INSERTS
NICHE - MAHOGANY VENEER WALLS & CEIL. W/ OPTI TO RECESS - SEE DWG. 9/A426
MAHOGANY VENEER
SPKR 20HC - BEHIND
ENTR. BEYOND
FOR ILLUMINATION SEE WINE STORAGE
ART GLASS - SEE DTL. 10/A426
MAHOGANY VENEER COL'S W/ SPECIALS (TYP.)
LAMINATED GLASS - SEE DTL. 20/11/A425
TRANSLITE - BEHIND
NEW ALUMINUM PLATE GRILLE
WALL TO BE CABLE SUSPENSION SYS.
VERT. GLASS - SEE DTL. 15/A426
EXIT IN MILLWORK W/ PLUS LAM. INT.
FOR ILLUMINATION TO WINE STORAGE
WINE STORAGE
BATTS
LCS
12/A426
13/A426
11/A426
1'-0"
1'-5"
1'-5"
1'-0"
1'-0"
1'-0



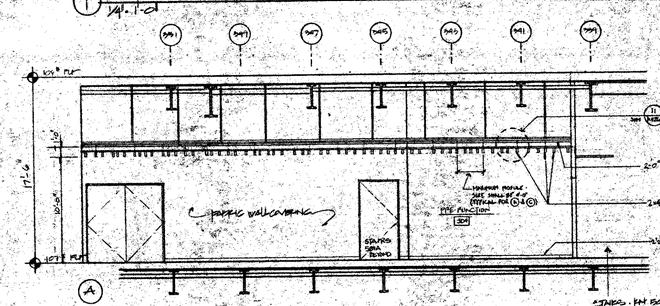


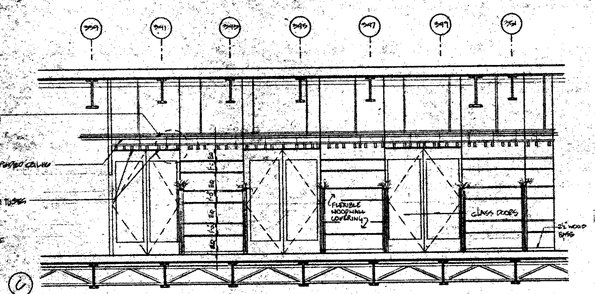




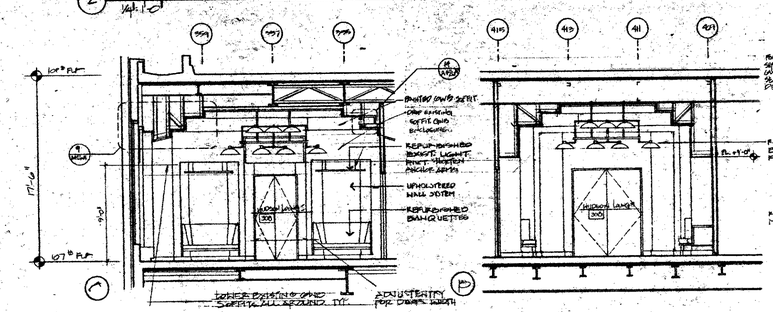


1 LIBERTY SUITE - 300, 301, 302, 303
1/4"=1'-0"





2 CORRIDOR - 304
1/4"=1'-0"



3 HUDSON LOUNGE
1/4"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. HUBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
WORLD TRADE CENTER, 107TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.C. WINDOWS CORPORATION
135 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
400 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10013

M&P ENGINEER:
ALTIERI SEBOR WIEBER
90 BROAD STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
GIRARD E. INTERNATIONAL, INC.
501 FIFTH AVENUE
NEW YORK, NEW YORK 10185

A/V ACOUSTICS:
JAFFE HOLDEN SCARBOROUGH
8 FAST 50TH STREET
NEW YORK, NEW YORK 10018

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
501 FIFTH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID L. SHIRLEY, P.E.
70 EAST 55TH STREET
NEW YORK, NEW YORK 10018

BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
1	7/31/95	GENERAL REVISIONS
2	10/9/95	GENERAL REVISIONS

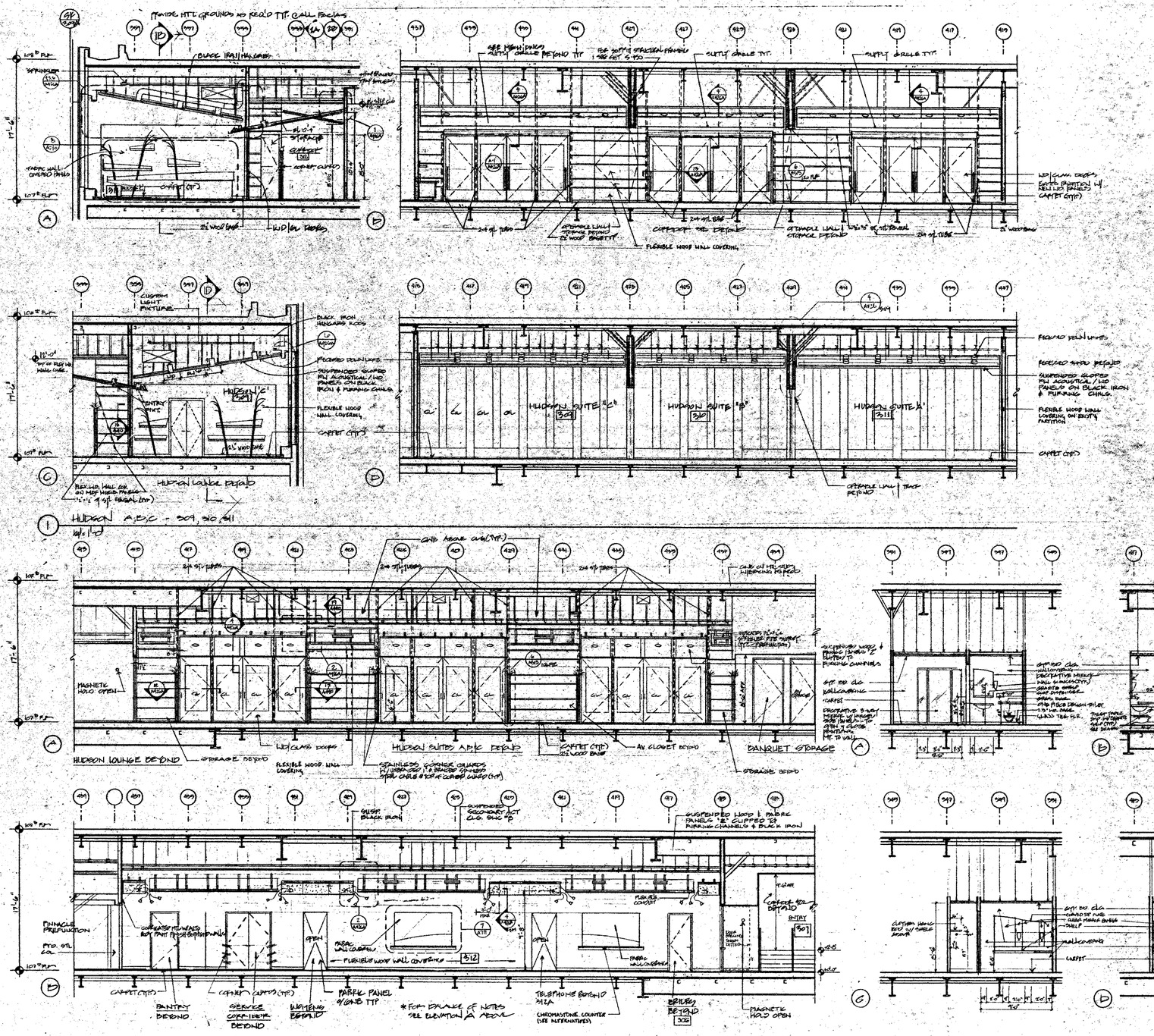
TITLE
QUADRANT C
107TH FLOOR ELEVATIONS
HUDSON/LIBERTY SUITES

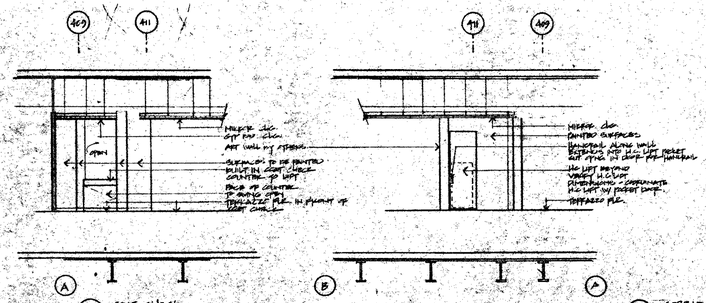
HHPA PROJECT NO. 9466.01
DRAWING NO. A424B
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y. 10017

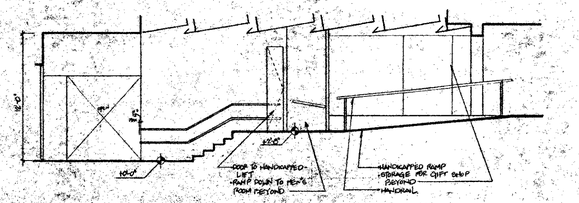
WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

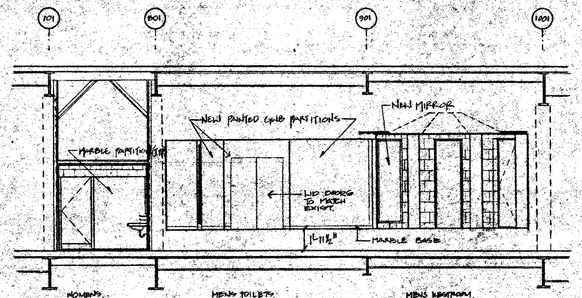


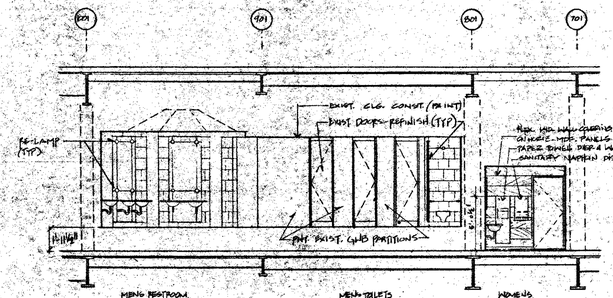


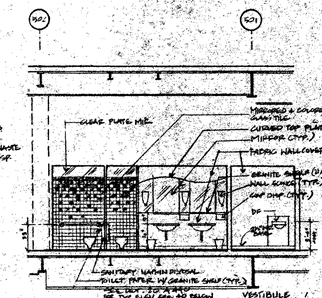
1 COAT CHECK

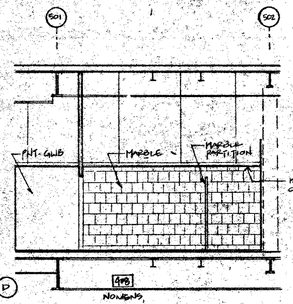


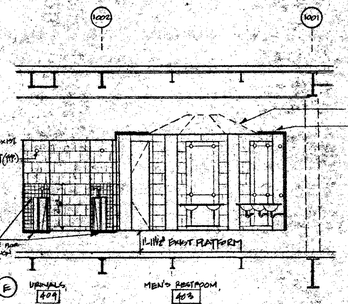
2 CORRIDOR - ELEVATION LOOKING NORTH (OUTSIDE HUDSON LOUNGE)

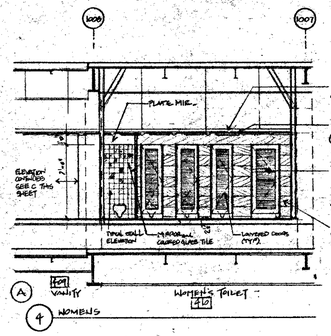


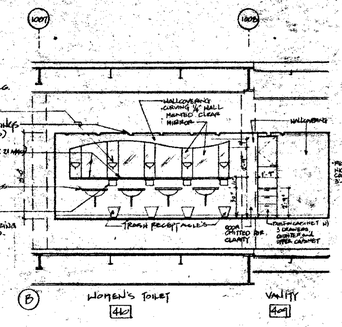


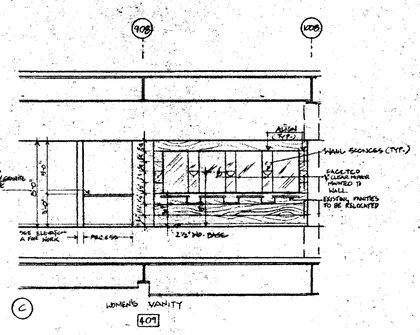


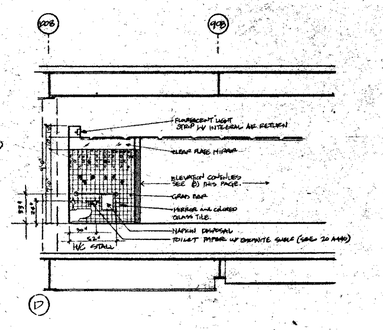












3 WOMENS 408, MENS TOILET 406 MENS RESTROOM 403, URINALS 404

4 WOMENS

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF N.Y. & N.J.
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 107TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
130 7TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
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115 FIFTH AVENUE
NEW YORK, NEW YORK 10003

MEP ENGINEER:
ALFRED SCHER WEIDER
33 RICHMOND STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL INC.
500 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
JAHN MILSOM MILLER
6 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
31 WEST 52ND STREET
NEW YORK, NEW YORK 10019

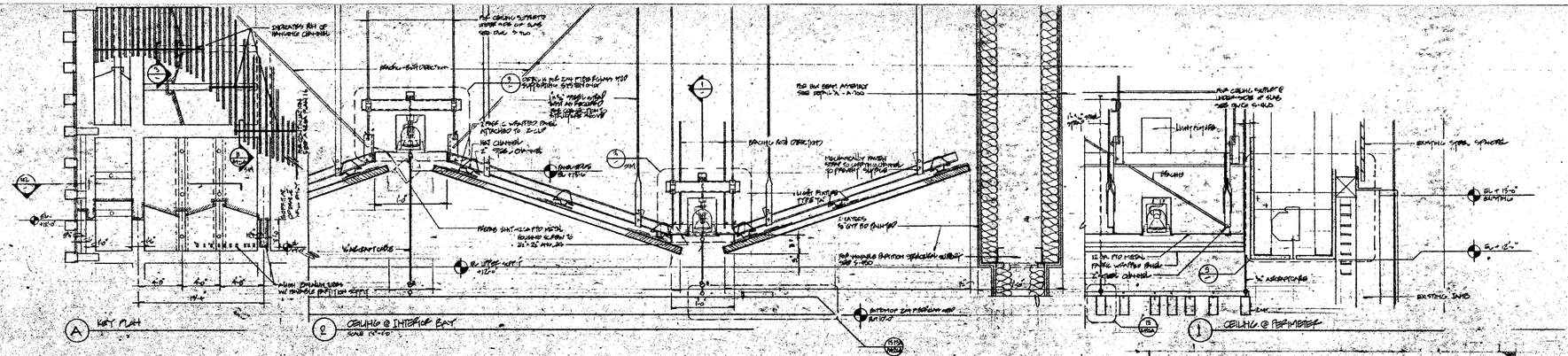
CODE/ ADA:
DAVID E. HEISHMAN
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

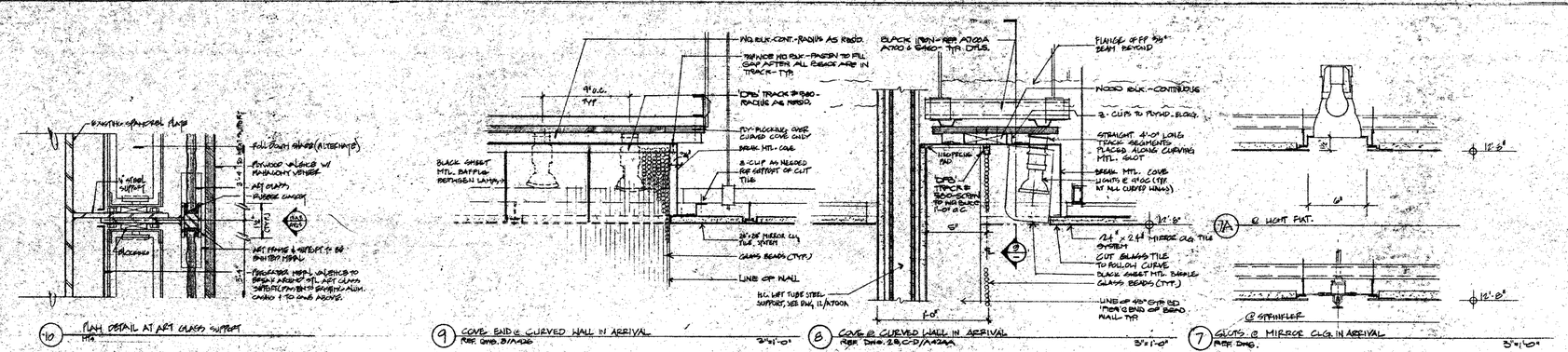
BLDG A — NORTH — BLDG B

NO.	DATE:	REVISIONS:
1	9/8/95	GENERAL REVISIONS
2	10/5/95	GENERAL REVISIONS

TITLE:
QUADRANT C
107TH FLOOR ELEVATIONS
AMENITIES

HHPA PROJECT NO. 9468.01
DRAWING NO. A424D
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"





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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
ONE WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
211 E. 46th STREET
NEW YORK, NEW YORK 10017

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
330 WEST 42nd STREET
NEW YORK, NEW YORK 10036

M.E.P. ENGINEER:
ALTIERI SEBOR WIEBER
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
NEW YORK, NEW YORK 10155

A/V ACOUSTICS:
BOLT BERANEK AND NEWMAN INC.
NEW YORK, NEW YORK 10018

LIGHTING:
CLINE BERTRIDGE BERNSTEIN LIGHTING
NEW YORK, NEW YORK 10010

CODES/ ADA:
DAVID E. LEVENGOOD, P.E.
41 WEST 96TH STREET
NEW YORK, NEW YORK 10025

BLDG. A B C D NORTH BLDG.

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	10/6/95	ISSUED FOR CONSTRUCTION

TITLE:
ARRIVAL CELLAR IN THE SKY & LIBERTY CLG. DET.'S

HHPA PROJECT NO.: 9406.03
DRAWING NO.: A426
DATE: JUNE 7TH 1995
SCALE: 1/8"=1'-0"

TAS: 95114.07

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
WORLD TRADE CENTER, 30TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
RFE WINDOWS CORPORATION
136 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
400 BROADWAY - 12TH FLOOR
NEW YORK, NEW YORK 10013

M&P ENGINEER:
STEVEN RISOTTO WEIDLINGER
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
501 FIFTH AVENUE
NEW YORK, NEW YORK 10155

A/V ACOUSTICS:
JAFFE HOLDEN WILKES
232 EAST 59TH STREET
NEW YORK, NEW YORK 10018

LIGHTING:
CLARK RICHTHOFF EISENSTEIN LIGHTING
150 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEVINE, A.I.A.
270 WEST 45TH STREET
NEW YORK, NEW YORK 10018

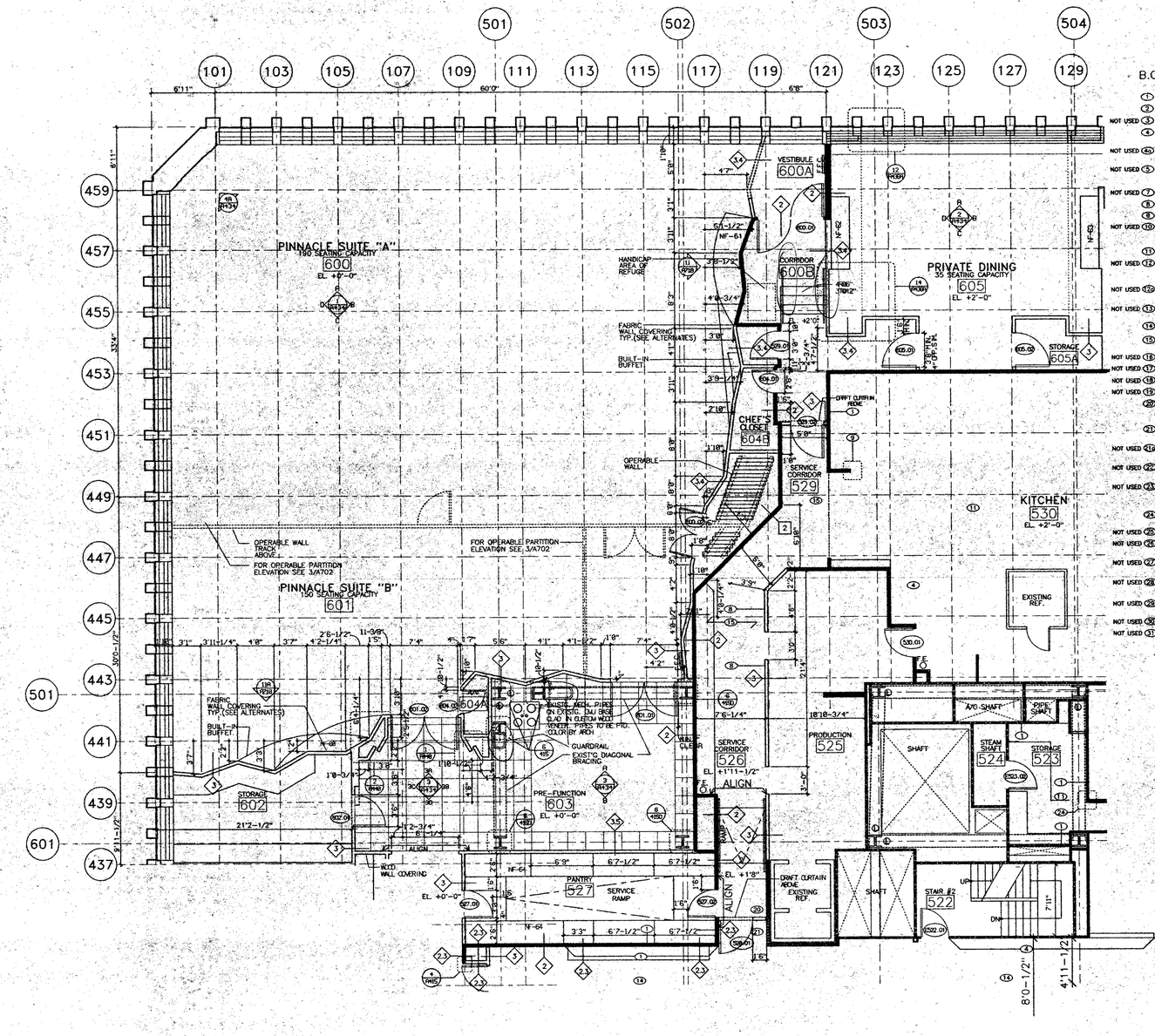
BLDG. D A C B NORTH BLDG.

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	7/31/95	GENERAL REV

TITLE:
HUDSON/HUDSON PREFUNCTION
HUDSON LOUNGE CEILING DETAILS
107TH FLOOR

HHPA PROJECT NO. 3488.03
DRAWING NO. **A426A**
DATE: JUNE 9TH 1995
SCALE: 1/8"=1'-0"

DA 95114.dgn



B.O.H. REFURBISHMENT NOTES

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED 3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4A. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED 5. RECLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED 7. PROVIDE NEW BASE RAILS
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED 10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED 12. REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12A. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED 13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
15. REPLACE BROKEN OR MISSING QUARRY TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED 19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED 21A. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED 22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED 23. RE-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED 26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL, & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

NOTES:
1. SEE RP18 FOR FULL BUILT-IN BUFFET MILLWORK
2. SEE RP12 FOR GUARDRAILS, FLOATING SLEEPERS THIS FLOOR

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
215 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 104TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
130 LIBERTY STREET
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
622 BROADWAY, 12TH FLOOR
NEW YORK, NEW YORK 10012

MEP ENGINEER:
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50 FOUNTAIN PLAZA
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 BROADWAY, 12TH FLOOR
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
10 EAST 39TH STREET
NEW YORK, NEW YORK 10016

A/V ACOUSTICS:
CERAMI-WILSON WILKES
1 EAST 53RD STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 EAST 58TH STREET
NEW YORK, NEW YORK 10019

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DAVID A. LUDOWITZ, P.C.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

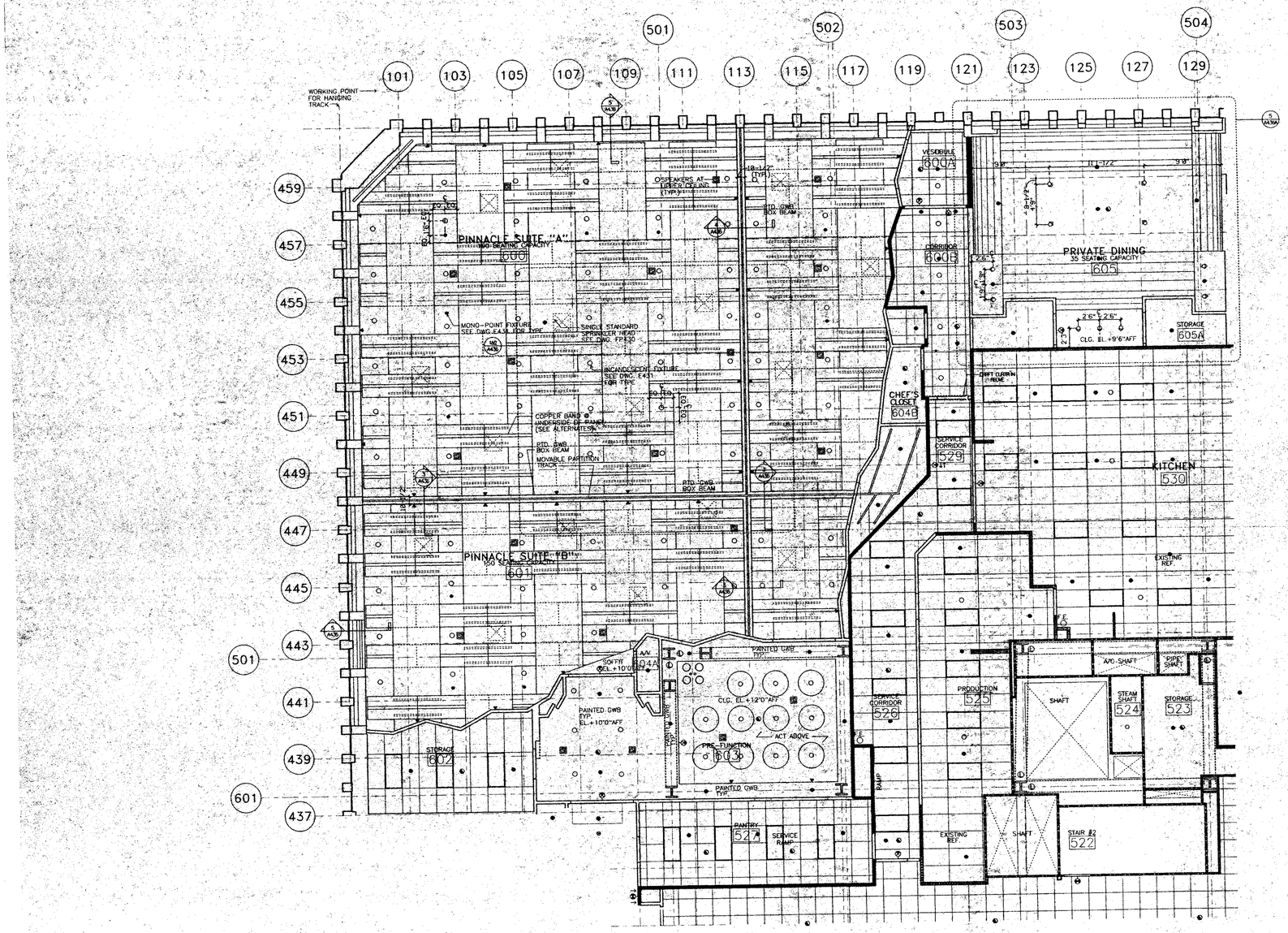
TOWER A
TOWER B
NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 5/22/95 PA QUERIES/REVISIONS
2 6/9/95 PA QUERIES/REVISIONS
3 7/31/95 GENERAL REVISIONS
4 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT D
107TH FLOOR PLAN
PINNACLE SUITE

HHPA PROJECT NO.: 5466.03
DATE: APRIL 24, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. A430

TAA 951114.07



NOTES:

1) FOR ALL DIFFUSERS, SPRINKLERS, AND SMOKE DETECTOR LOCATIONS REFERENCE ARCH. DRAWINGS IN COORDINATION WITH MEP. DWGS.
2) CROSS BRACING IS TO OCCUR AT CENTER AND AT ENDS OF EACH RUN OF PANEL TYPE SWC 3.10 AVOID ANY SWAYING CAUSED BY MOVEMENT OF BUILDING. (SEE DETAIL 9/A4.36 FOR EXAMPLE OF TYPICAL CROSS BRACING)
3) CROSS BRACING IS ALSO TO OCCUR AT PANEL TYPE SAP 7. BRACING OF THESE PANELS IS TO OCCUR AT THE CENTER OF EACH RUN. (SEE DETAIL 9/A4.36 FOR EXAMPLE OF TYPICAL CROSS BRACING)
4) SEE I-128 FOR CEILING TYPE DESIGNAIONS

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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 77TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
1 WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
902 BROADWAY - 12th FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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37 GREAT ROAD STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
300 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN MILSOM WILKE
1 EAST 33rd STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEIBOWITZ, P.E.
70 WEST 40th STREET
NEW YORK, NEW YORK 10018

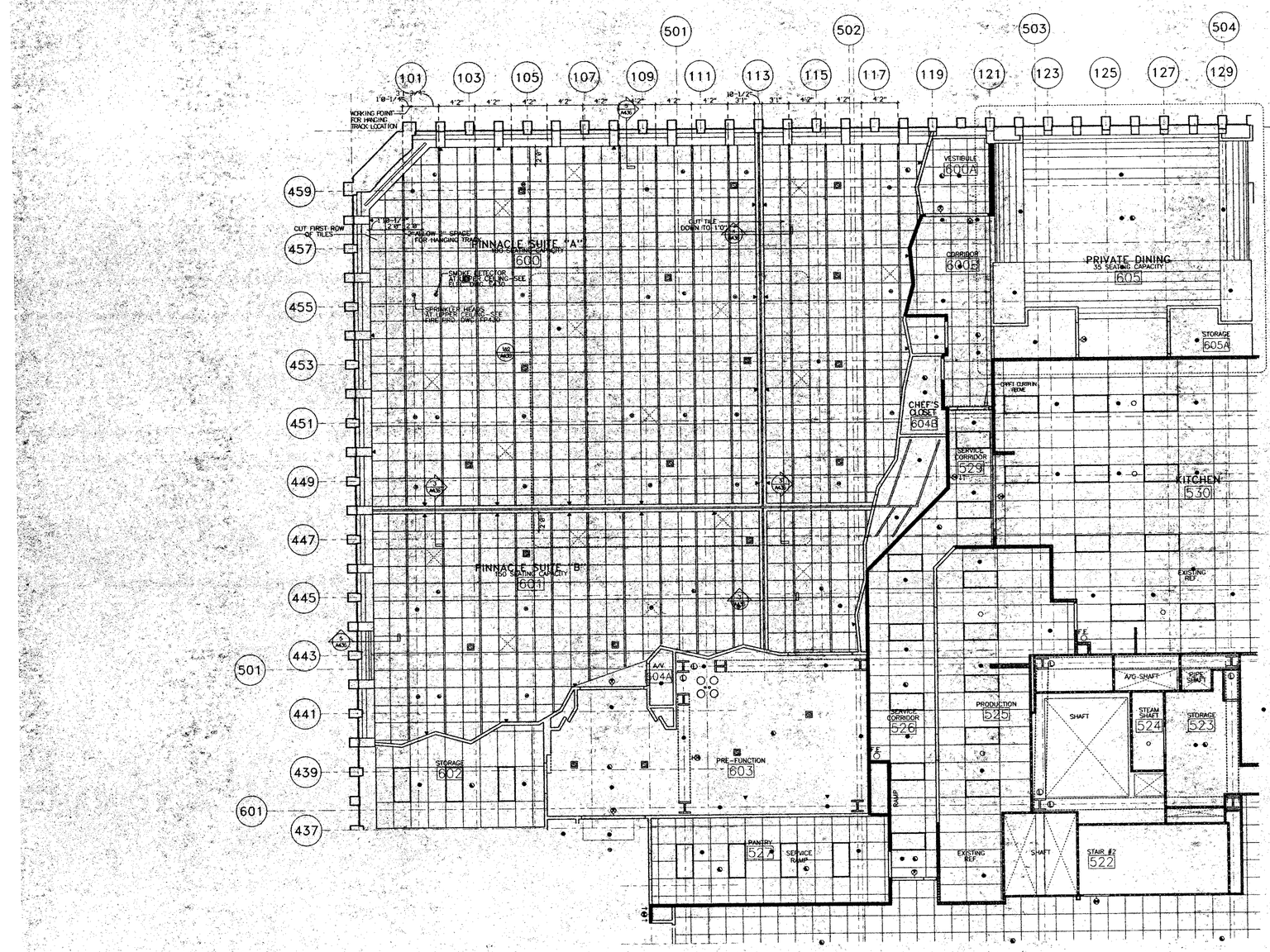
TOWER A
NORTH
TOWER B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	7/31/95	GENERAL REVISIONS
2	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT D
107TH REFLECTED CEILING
PINNACLE SUITE

HHPA PROJECT NO. 5466.03
DRAWING NO. A431
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



NOTES:

1) FOR ALL DIFFUSERS, SPRINKLERS, AND SMOKE DETECTOR LOCATIONS REFERENCE ARCH. DRAWINGS IN COORDINATION WITH MEP. DWGS
2) CROSS BRACING IS TO OCCUR AT CENTER AND AT ENDS OF EACH RUN OF PANEL TYPE SWC 3 TO AVOID ANY SWAYING CAUSED BY MOVEMENT OF BUILDING. (SEE DETAIL 9/A436 FOR EXAMPLE OF TYPICAL CROSS BRACING)
3) CROSS BRACING IS ALSO TO OCCUR AT PANEL TYPE SWC 2. BRACING OF THESE PANELS IS TO OCCUR AT THE CENTER OF EACH RUN. (SEE DETAIL 9/A436 FOR EXAMPLE OF TYPICAL CROSS BRACING)
4) SEE A/- 28 FOR CEILING TYPE DESIGNATIONS

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF N.Y. & N.J.
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
1 WORLD TRADE CENTER
NEW YORK, NEW YORK 10010

ARCHITECT:
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902 BROADWAY, 13TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
ALTIERI SEBOR WIEBER
37 KNIGHT STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
900 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
JAHN, MOSKOW WILLIS
2 EAST 56TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE, BETTRIDGE BERNSTEIN LIGHTING
10 WEST 33RD STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A
TOWER B
NORTH

NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
1 7/31/95 GENERAL REVISIONS
2 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT D
107TH REFLECTED CEILING
PINNACLE SUITE (UPPER)

HHPA PROJECT NO. 5466.03
DRAWING NO. A431A
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

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OCT 11 1995
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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

PINNACLE LOOKING NORTH

PINNACLE LOOKING EAST

PINNACLE LOOKING SOUTH

PINNACLE LOOKING WEST

1 PINNACLE SUITE
1/4"=1'-0"

2 PRIVATE DINING - REFERENCE DWG A454.01 FOR ALL PRIVATE DINING DETAILS
1/4"=1'-0"

3
1/4"=1'-0"

4 PLAN
1/4"=1'-0"

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
136 5TH AVENUE
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261 KNOWLES AVENUE
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
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501 MADISON AVENUE
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A/V ACOUSTICS:
SPIEN MISSON WILKE
39 EAST 35TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
521 WEST 57TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIEBOWITZ, P.E.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

BLDG. A — NORTH — BLDG.

NO.:	DATE:	REVISIONS:
1	7/31/95	GENERAL REVISIONS
2	8/4/95	ISSUED FOR CONSTRUCTION

TITLE
QUADRANT D
107TH FLOOR ELEVATIONS
PINNACLE SUITE/PRIVATE DINING

HHPA PROJECT NO. 5466.01
DRAWING NO. A434
DATE: JUNE 9, 1995
SCALE: 1/4"=1'-0"

TM 95114.07

RECEIVED
OCT 11 1995
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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
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NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL INC.
7 MADISON AVENUE
NEW YORK, NEW YORK 10160

A/V ACOUSTICS:
ZIKEL-HILSON INC.
47 EAST 20TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
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NEW YORK, NEW YORK 10010

CODES/ ADA:
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10 WEST 20TH STREET
NEW YORK, NEW YORK 10018

BLDG. D A C B NORTH BLDG.

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	10/4/95	ISSUED FOR CONSTRUCTION

TITLE:

HHPA PROJECT NO. 5468.03 — DRAWING NO. A425
DATE: 10/4/95
SCALE: 1/8"=1'-0"

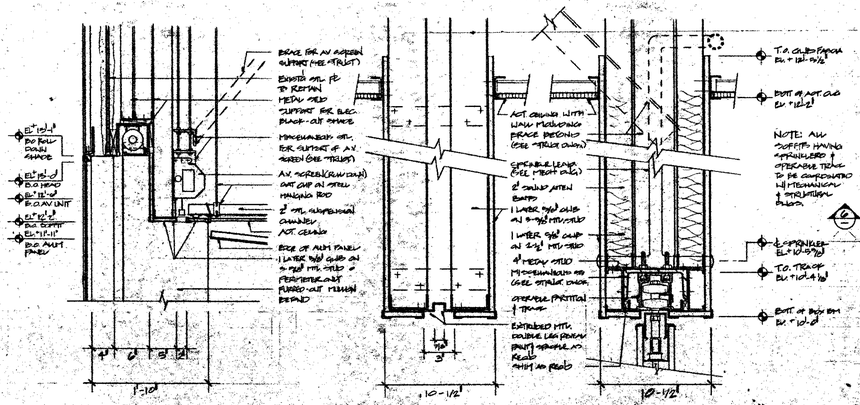
TAS 951114.07

(A) DETAIL - PLAN — 2x WOOD FRAMED RADIUS TOP & BTM. SOLE PLTS. & BRIDGING BETWEEN PLTS. - SPACING = 1'-0" O.C. — 3/4" MAHOGANY MD. VENEER PLYWD. — MAHOGANY 3/4" EDGE BEYOND — 1/4" MAHOGANY VENEER PLY, NO. OVER 3/4" PLY NO. - CURVE TO BE SMOOTH & CONTINUOUS - NO FACETING — 4" MTL. STUDS W/ WOOD NAILING STRIP AT AS REQ. — MAHOGANY HDWD. MLDG.

(B) DETAIL - PLAN — MAHOGANY MD. VENEER — MAHOGANY HDWD. MLDG. — PAINTED GWB

(A) SECTION — HELICENTER DUCT — MAHOGANY VENEER FACET AS SHOWN A/A5.0 — LIGHT FIXTURE TYPE P1 — R= 7'-0" — BTM. RD. — MAHOGANY VENEER TO FOLLOW CURVE - NO FACETING — BANQUETTE SEE MILLWORK DWGS. — UPHOLSTERY — WOOD CENTER DUCT — LOUVRE W/ SPRINKLER HOUSING, REF. 2 ELEVATIONS OF CURVING WD. PANELS - TYP.

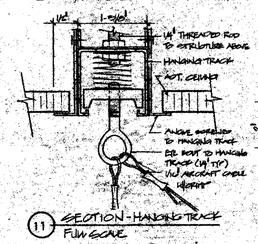
(B) PLAN — 2'-8" — 2'-10" — 1'-0" RISER TYP. — 11" TREAD TYP. — 5'-0" — 5'-4" — 5'-8" — 6'-0" — 6'-4" — 6'-8" — 7'-0" — 7'-4" — 7'-8" — 8'-0" — 8'-4" — 8'-8" — 9'-0" — 9'-4" — 9'-8" — 10'-0" — 10'-4" — 10'-8" —



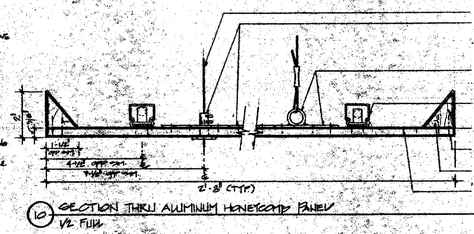
5 SECTION @ PERIMETER SOFFIT — AV SCREEN
1-1/2" = 1'-0"

4 SECTION @ SOFFIT — STANDARD
3/4" = 1'-0"

3 SECTION @ SOFFIT — OPER. PARTITION
3/4" = 1'-0"

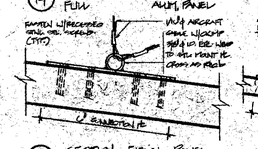


11 SECTION - HANGING TRACK
FULL SCALE

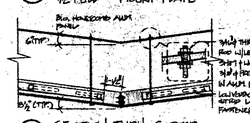


10 SECTION THRU ALUMINUM HONEYCOMB PANEL
1/2" = 1'-0"

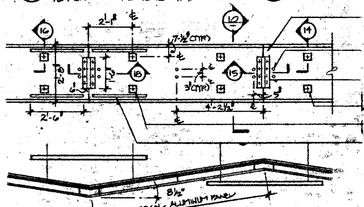
14 SECTION THRU CABLE THRU
FULL — ALUM. PANEL



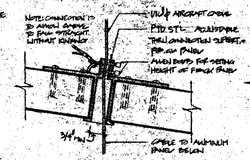
17 SECTION @ FIBERGL. PANEL
1/2" FULL — MOUNT PLATE



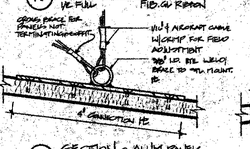
20 SECTION THRU COPPER
1/2" FULL — FEATURE STRIP



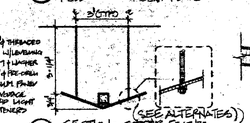
22 PLAN - ELEVATION - HONEYCOMB ALUMINUM PANEL
1/2" = 1'-0"



13 SECTION THRU CABLE THRU
1/2" FULL — FIBERGLASS RIBBON

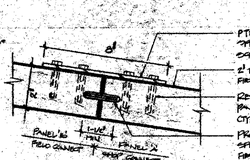


16 SECTION @ ALUM. PANEL
FULL — MOUNT PLATE

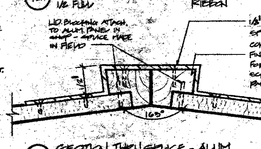


19 SECTION - COPPER FEATURE STRIP
1/2" FULL

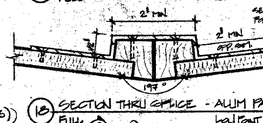
21 PLAN - ELEVATION - FIBERGLASS PANEL
1/2" = 1'-0"
RIBBON



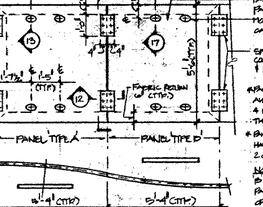
12 SECTION THRU SPACE @ FIBERGLASS
1/2" FULL — RIBBON



18 SECTION THRU SPACE - ALUM. PANEL
FULL — PANEL

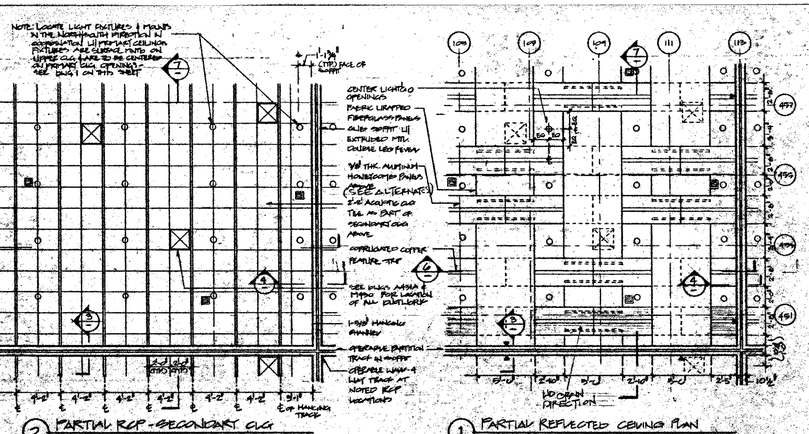


18 SECTION THRU SPACE - ALUM PANEL
FULL — WALL FRONT



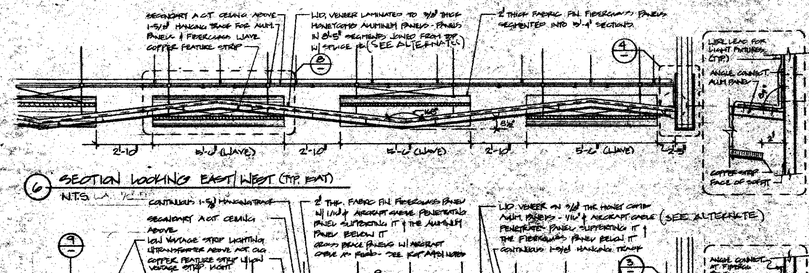
RADIUS TO ℄ 21'-3 1/16" (TYP. PANELS A & B)

21 PLAN - ELEVATION - FIBERGLASS PANEL
1/2" = 1'-0"
RIBBON

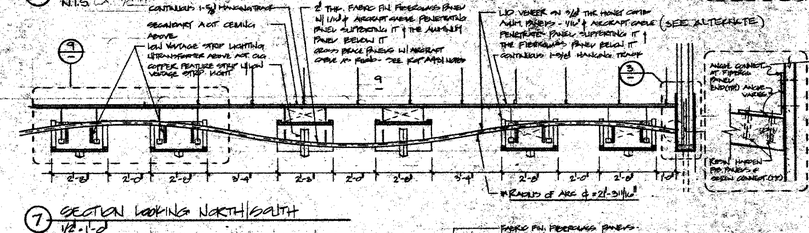


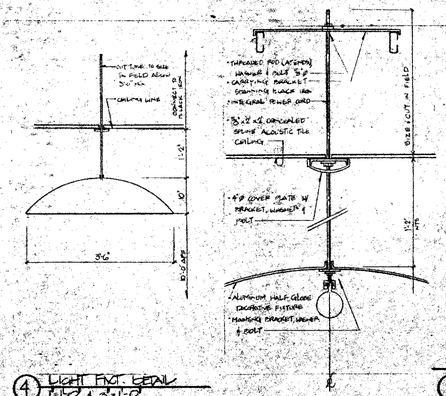
2 PARTIAL RCP - SECONDARY CLG
1/4" = 1'-0"

1 PARTIAL REFLECTED CEILING PLAN
1/4" = 1'-0"

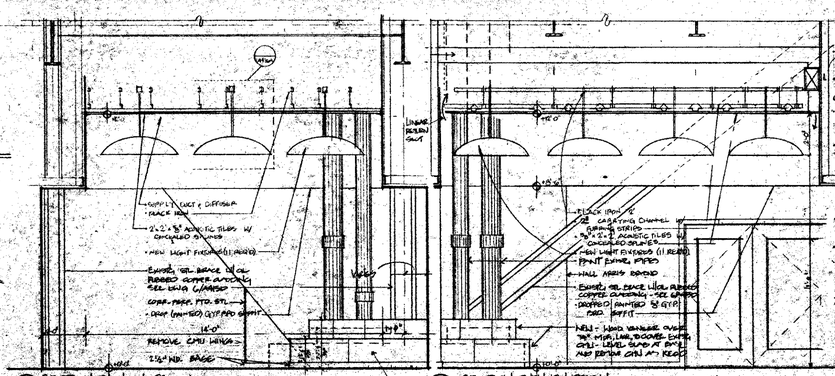


6 SECTION LOOKING EAST/WEST (TYP. BAY)
NTS


RECESSED 1" ACT CEILING ABOVE
LOW VOLTAGE STRIP LIGHTING
LED VENEER ON 3/8" THICK HONEY COMB ALUM. PANELS - VIN'L & AIRCRAFT CABLE (SEE ALTERNATE)
2" THK. FABRIC FIN FIBERGLASS PANELS W/ LED & AIRCRAFT CABLE ON PANEL - SEE KEY PLAN HERE
2'-0"
2'-0"
2'-0"

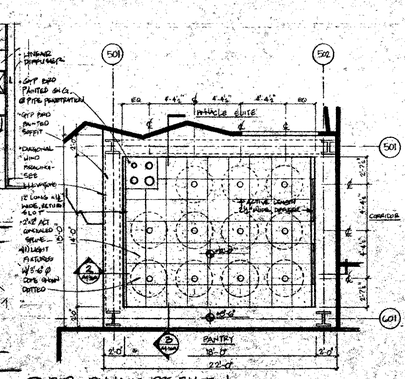


4 LIGHT FXT. DETAIL
1"=1'-0" & 3"=1'-0"

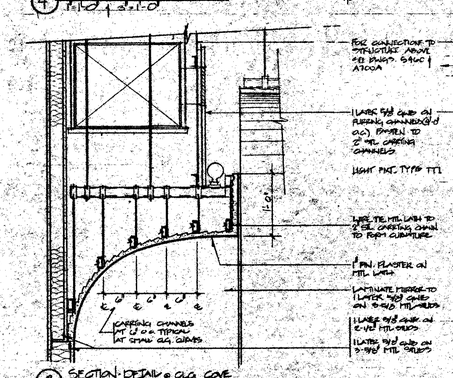


3 SECTION THRU PRE-FUNC.
1/8"=1'-0"

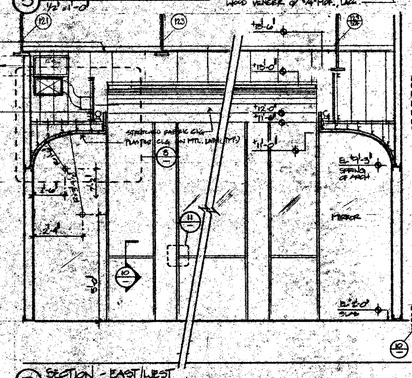
2 SECTION THRU PRIVATE
1/8"=1'-0"



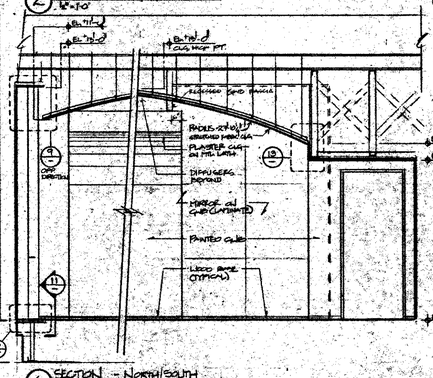
1 RCP - PINNACLE PRE-FUNCTION
1/4"=1'-0"



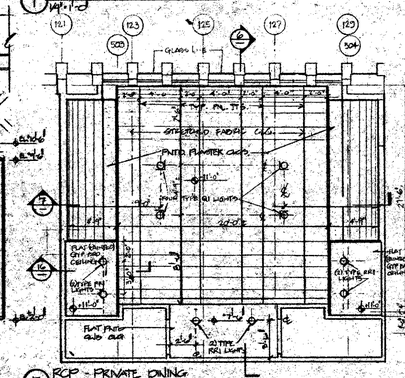
8 SECTION - DETAIL @ CLG COVE
1 1/2"=1'-0"



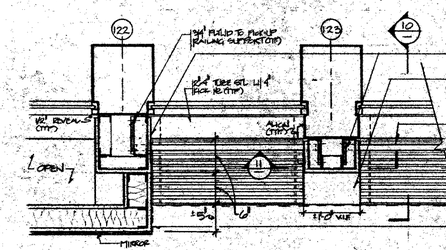
7 SECTION - EAST/WEST
1/2"=1'-0"



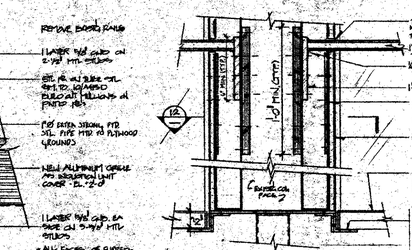
6 SECTION - NORTH/SOUTH
1/2"=1'-0"



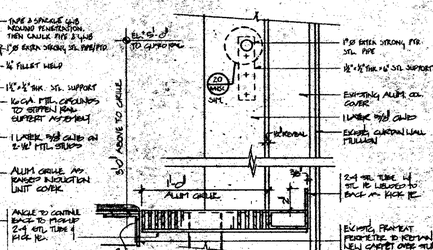
5 RCP - PRIVATE DINING
1/4"=1'-0"



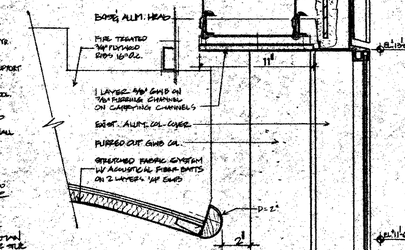
12 PLAN DETAIL - MULLIONS @ PRIVATE DINING
1 1/2"=1'-0"
OPPOSITE HAND SIMILAR



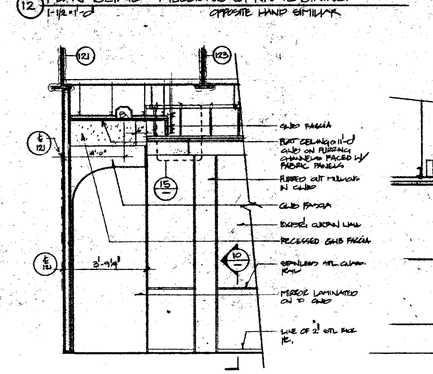
11 SECTION THRU TYPICAL MULLION
3"=1'-0"
PRIVATE DINING



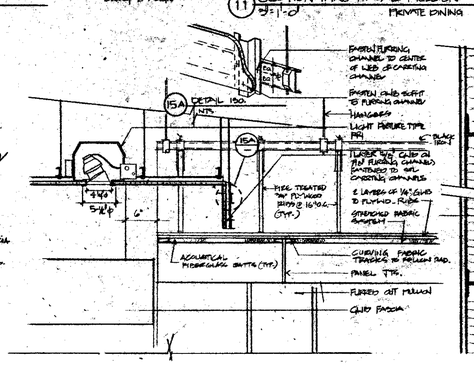
10 SECTION ELEVATION @ MULLION
3"=1'-0"
PRIVATE DINING



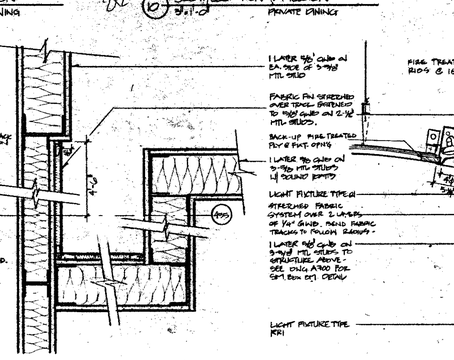
9 SECTION DETAIL THRU HEAD
3"=1'-0"



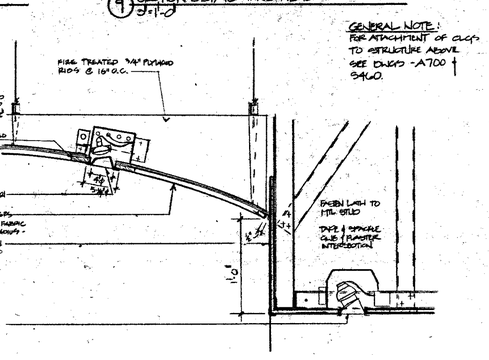
16 SECTION THRU FLAT CEILING
1 1/2"=1'-0"



15 SECTION DETAIL THRU CLG EDGE
1-1/2"=1'-0"



14 PLAN DETAIL @ FABRIC PANEL
3"=1'-0"



13 SECTION DETAIL THRU SOFFIT
1 1/2"=1'-0"

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
ONE WORLD TRADE CENTER, 3 WORLD TRADE LEVEL, 67TH FLOOR WEST
NEW YORK, NEW YORK 10048

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CODE/ ADA
DAVID E. LIEBOWITZ, P.C.
11 WEST 30TH STREET
NEW YORK, NEW YORK 10015

BLDG. A / B / C / D / NORTH

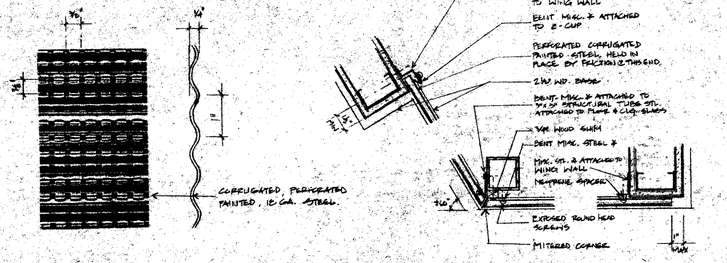
NO.: DATE REVISIONS:

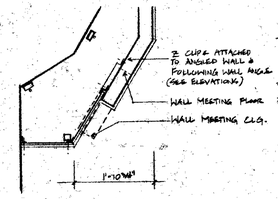
CONSTRUCTION DOCUMENTATION SUBMISSION
1 7/14/95 GENERAL REVISIONS
2 10/11/95 ISSUED FOR CONSTRUCTION

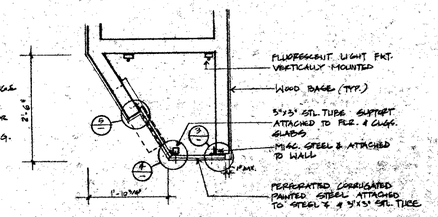
TITLE: CEILING DETAILS/PINNACLE PRE-FUNCTION & PRIVATE DINING

HHPA PROJECT NO. 5466.03
DRAWING NO. A436A
DATE MAY 22, 1995
SCALE 1/8"=1'-0"

TAA 95.114.07

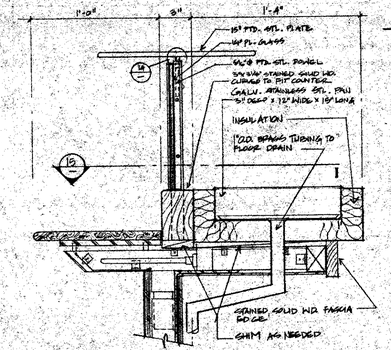






7 TYP. ELEV. FULL

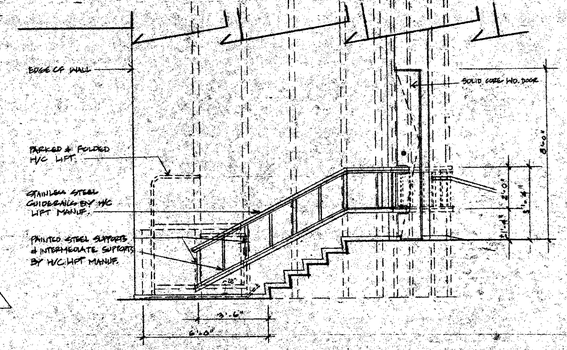
6 TYP. PROFILE FULL



5 DET.@ ANGLED WALL 3"=1'-0"

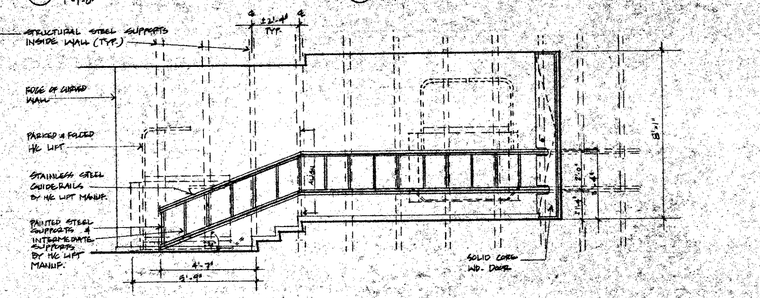
4 DET.@ CORNER 3"=1'-0"

3 DET.@ WING WALL 3"=1'-0"

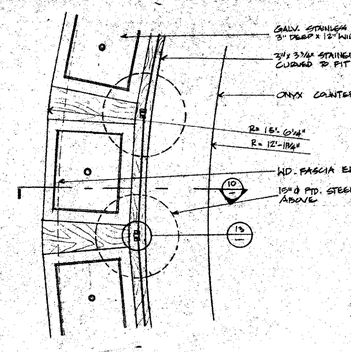


2 EAST PIER @ PINNACLE ENTRY 1"=1'-0"

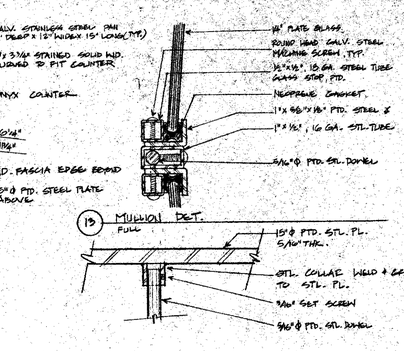
1 WEST PIER @ PINNACLE ENTRY 1"=1'-0"



10 BAR TOP SECT.@ OYSTER STATION - BAR B 3"=1'-0"

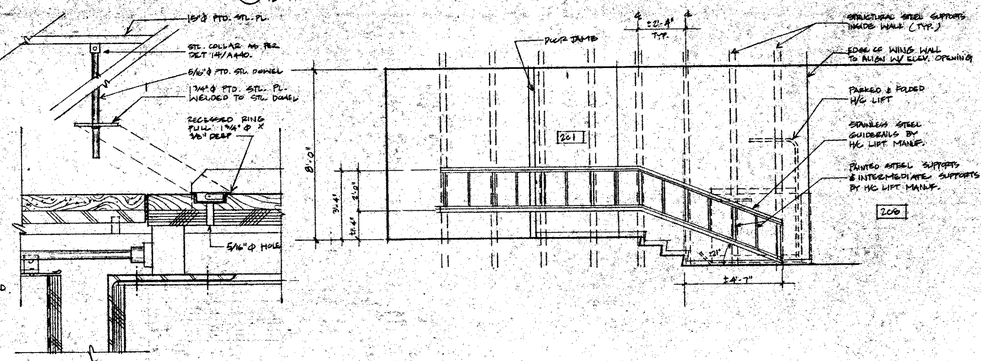


9 H/C STAIR LIFT @ WEST PROMENADE 1/2"=1'-0"



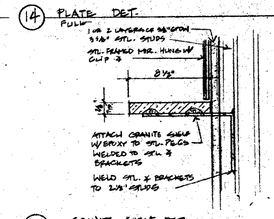
13 MULLION DET. FULL

8 H/C STAIR LIFT @ CELLAR IN THE SKY ENTRANCE 1/2"=1'-0"

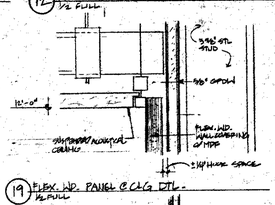


15 PARTIAL PLAN @ OYSTER STATION - BAR B 1 1/2"=1'-0"

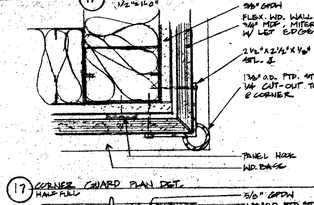
14 PLATE DET. FULL



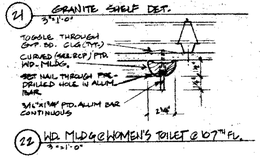
12 PLATE INSERTION DET.@ SHABU-SHABU BAR C 1/2" FULL



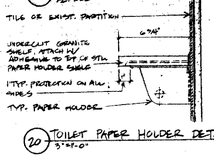
11 H/C STAIR LIFT @ ELEV. LOBBY RM. 206 (SEE ALTERNATES) 1/2"=1'-0"



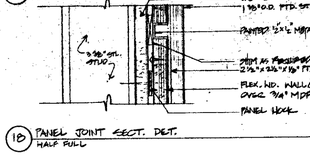
21 GRANITE SHELF DET. 3"=1'-0"



19 FLEX. WD. PANEL @ C/G DTL. FULL



17 CORNER GUARD PLAN DET. HALF FULL

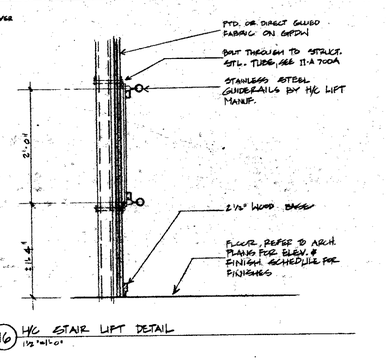


22 WD. MLDG @ WOMEN'S TOILET @ 107TH FL. 3"=1'-0"

20 TOILET PAPER HOLDER DET. 3"=1'-0"

18 PANEL JOINT SECT. DET. HALF FULL

16 H/C STAIR LIFT DETAIL 1/2"=1'-0"



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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

UNILORDS:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 65TH FLOOR WEST
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135 LIBERTY STREET
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ARCHITECT:
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CODE/ ADA:
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70 EAST 10TH STREET
NEW YORK, NEW YORK 10018

BLDG. A B C D NORTH BLDG.

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION

TITLE:
MISCELLANEOUS DET.

HHPA PROJECT NO.: 5466.03
DRAWING NO.: A 440
DATE:
SCALE:

REFURBISHMENT NOTES (B.O.H.)

1. PATCH DENTS & PAINT EXISTING WALL.
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.
4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
7. PROVIDE NEW BASE RAILS.
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING.
10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.
12. REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE) POINT/REGROUT AS REQ'D
NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.
18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED 21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME, REHANG DOORS. (SEE NOTE 20)
NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME, REHANG DOORS.
22. REPAIR OR REPLACE CLOSER DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED 23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
25a. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

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MEP ENGINEER:
ALTIERI SEBOR WIEBER
37 KNIGHT STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 46TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
150 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN MILSOM WILKE
2 EAST 56TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEIBOWITZ, P.C.
270 WEST 40TH STREET
NEW YORK, NEW YORK 10018

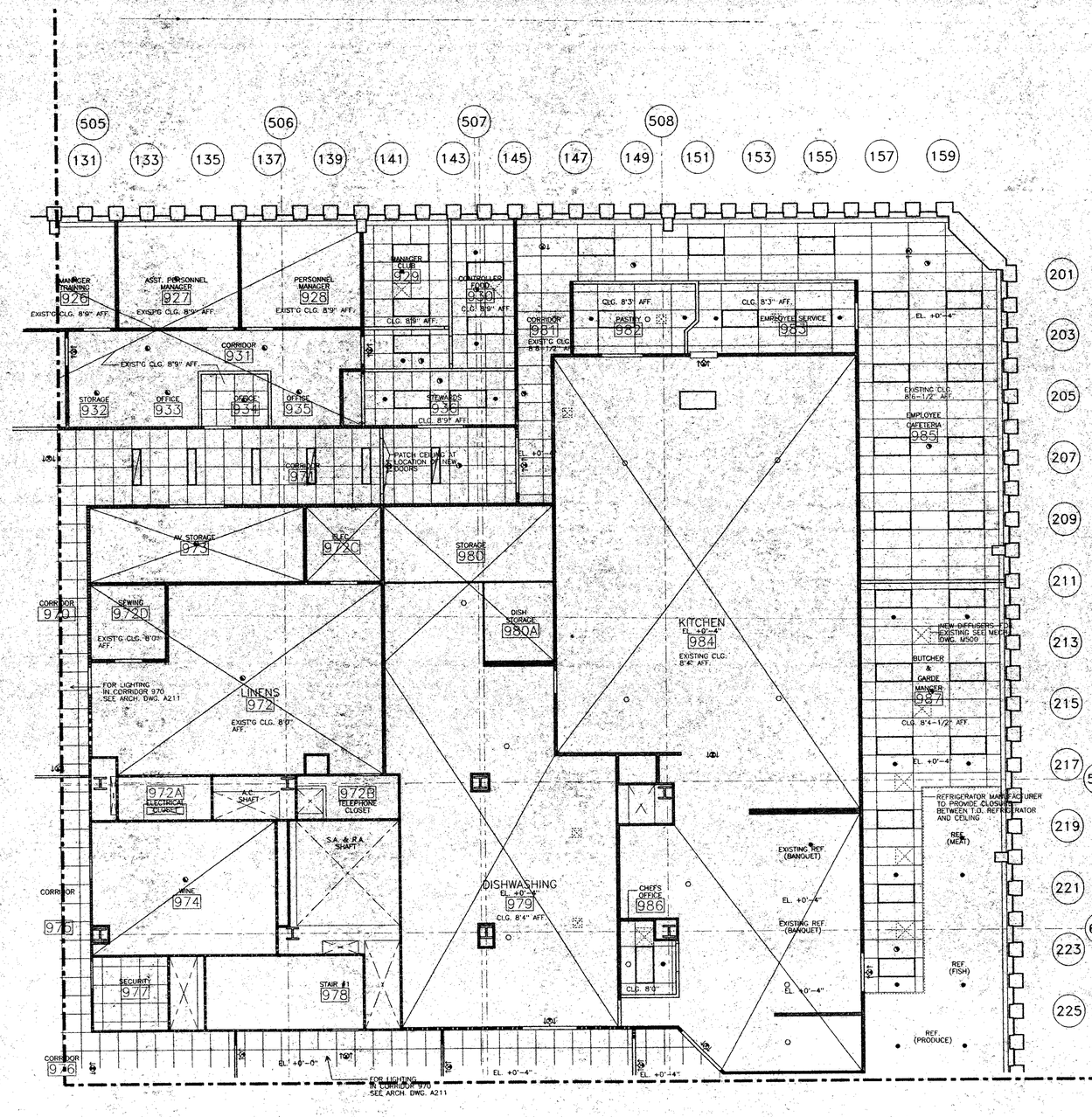
TOWER A · TOWER B · TOWER C · TOWER D · NORTH

NO.	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/5/95	PA QUERIES/REVISIONS
3	7/17/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT A
106TH FLOOR PLAN
BACK OF HOUSE

HHPA PROJECT NO. 5466.03
DATE: JULY 17, 1995
SCALE 1/4"=1'-0"
DRAWING NO. A500

TAA 951114.07



NOTE:

1) FOR CEILING MATERIALS SEE INTERIOR DRAWING I-129

2) FOR GENERIC CEILING HANGING DETAIL AT ALL BACK OF HOUSE AREAS SEE B/A700

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
S.E. WINDOWS CORPORATION
136 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
115 BROADWAY, 19TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
SEVERUD ASSOCIATES
31 KNIGHT STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTI INTERNATIONAL, INC.
1 PENN PLAZA
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
DAVID L. KLEIN JR. INC.
2 PENN PLAZA, SUITE
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 EAST 58TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID A. ELLISON, P.E., P.C.
1 PENN PLAZA, 49TH FLOOR
NEW YORK, NEW YORK 10018

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NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	6/5/95	PA QUERIES/REVISIONS
2	7/17/95	GENERAL REVISIONS
3	10/9/95	ISSUE FOR CONSTRUCTION

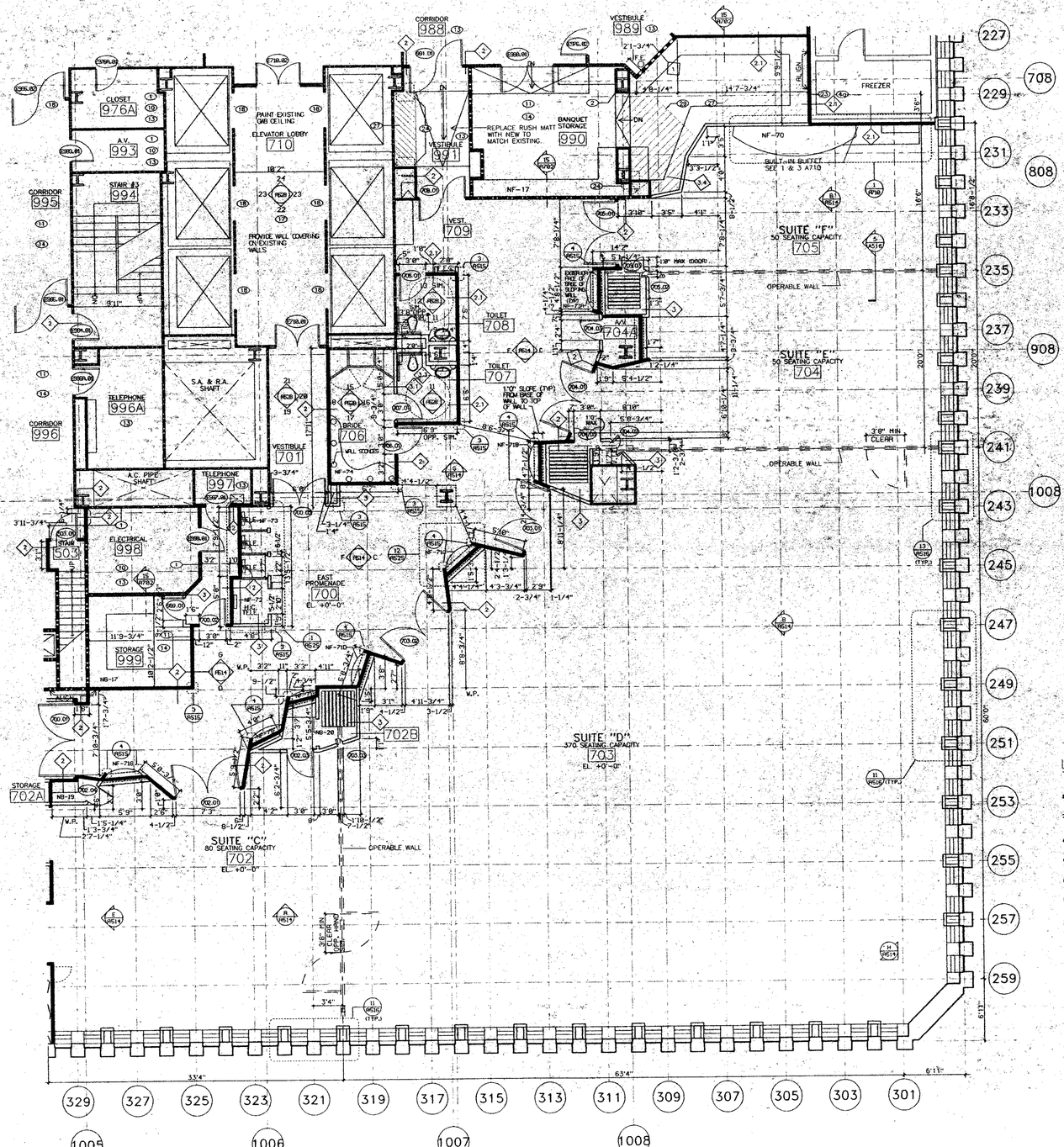
TITLE:
QUADRANT A
106TH REFLECTED CEILING
BACK OF HOUSE

HHPA PROJECT NO.: 5466.03
DRAWING NO.: A501
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED 3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
NOT USED 4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
NOT USED 5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED 7. PROVIDE NEW BASE RAILS
NOT USED 8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED 9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.
NOT USED 12. REPLACE DENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED 14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED 15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
17. PROVIDE NEW CARPET THROUGHOUT SPACE.
18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED 19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED 21. DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS.
NOT USED 22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED 26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL, & TO HAVE A MAXIMUM SLOPE OF 1:12.
29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

NF = (NEW FIXED MILLWORK)
RMWB = (MILLWORK BACK OF HOUSE)
RAWB = (REFURBISH MILLWORK)

NOTE: FLOATING BARS NL-77
QUANTITY = 2
FLOATING SIDE BARS NL-76
QUANTITY = 6

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

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B.E. WINDOWS CORPORATION
130 65th AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
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NEW YORK, NEW YORK 10010

MEP ENGINEER:
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51 KNIGHT STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
16 E. 34th STREET, 15th FLOOR
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL INC.
501 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHAW-WILSON WILKIE
6 EAST 39th STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
50 WEST 23rd STREET
NEW YORK, NEW YORK 10010

CODES/ ADA:
DAVID E. LEVINOWITZ, P.C.
70 WEST 40th STREET
NEW YORK, NEW YORK 10018

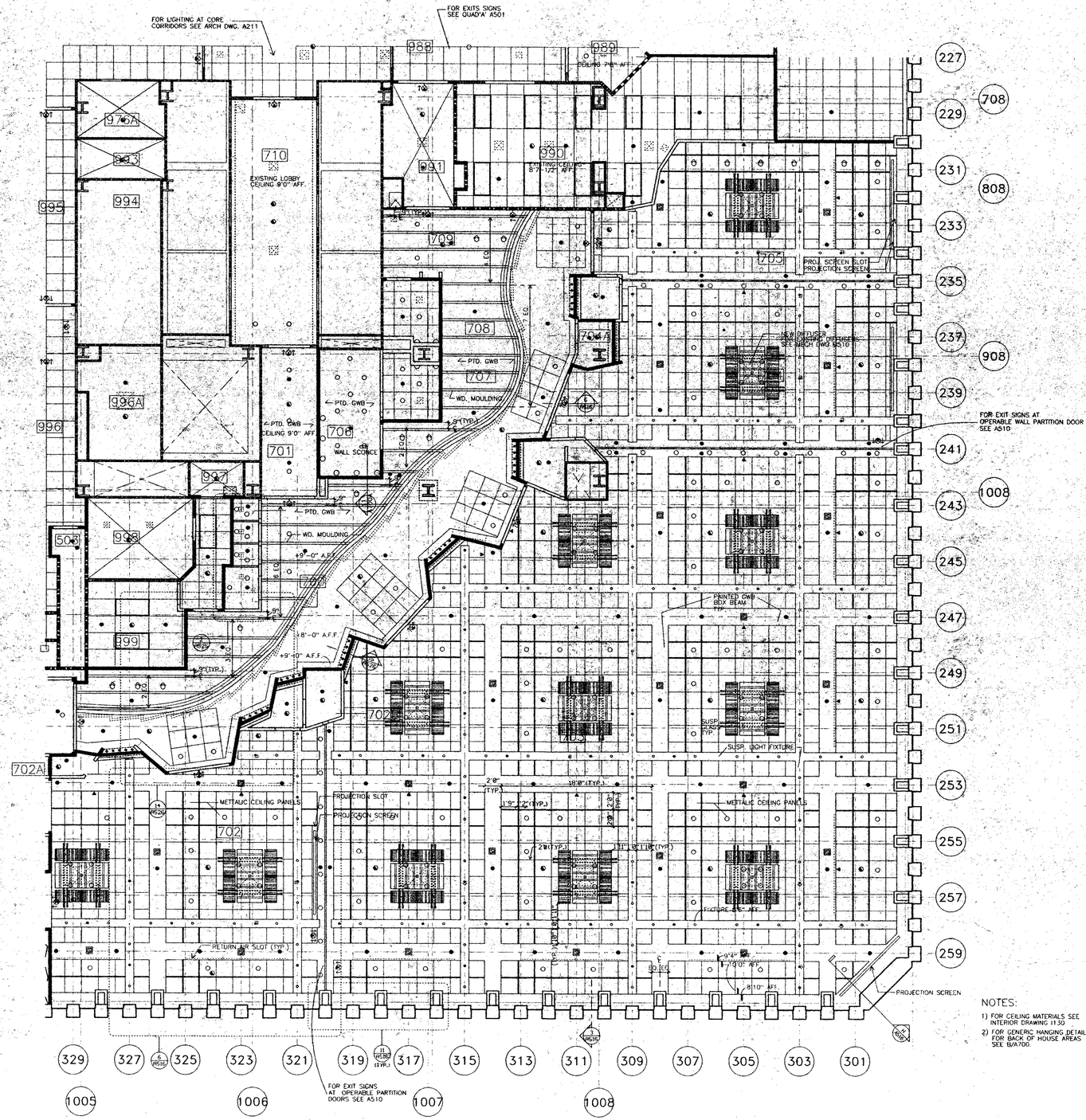
TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/5/95	PA QUERIES/REVISIONS
3	7/17/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
106TH FLOOR PLAN
SUITES C,D,E,F

HHPA PROJECT NO. 5466.03
DRAWING NO. A510
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



NOTES:

1) FOR CEILING MATERIALS SEE INTERIOR DRAWING I130
2) FOR GENERIC HANGING DETAILS FOR BACK OF HOUSE AREAS SEE B/A700.

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
R.E. WINDSOR CORPORATION
1350 6TH AVENUE
NEW YORK, NEW YORK 10019

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
902 BROADWAY - 13TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
420 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
PETER MOSTOW/JAN WIEBE
8 EAST 13TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
150 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID M. SCHWARTZ, P.C.
225 WEST 34TH STREET
NEW YORK, NEW YORK 10018

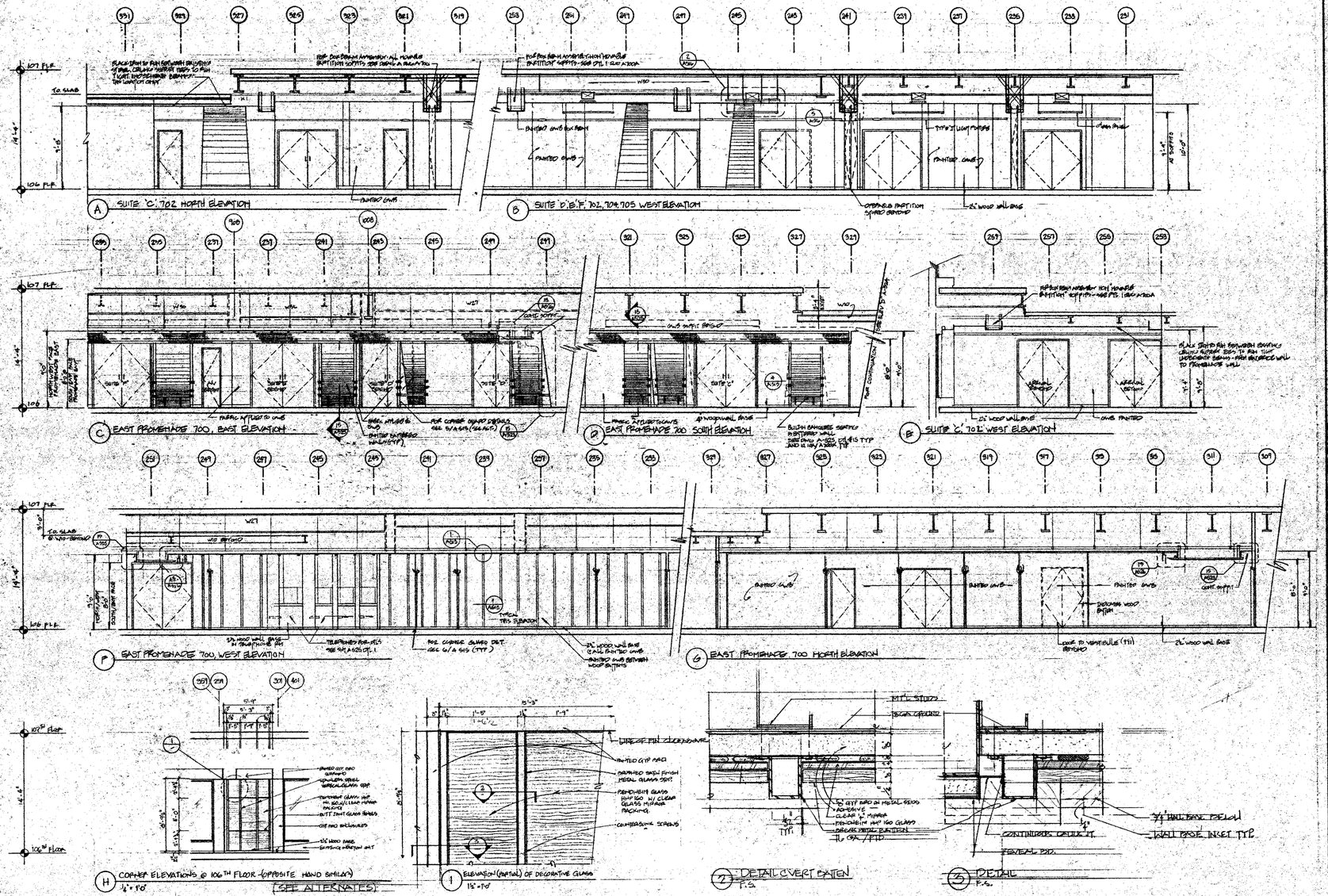
TOWER A
TOWER B
NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	6/5/95	PA QUERIES/REVISIONS
2	7/17/95	GENERAL REVISIONS
3	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
106TH REFLECTED CEILING
SUITES C,D,E,F

HHPA PROJECT NO. 5466.03
DRAWING NO. A511
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



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LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
WORLD TRADE CENTER, 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
155 E. 55th STREET
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
212 BROADWAY, 12TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
SYSKA & HENNESSY
11 WEST 42nd STREET
NEW YORK, NEW YORK 10036

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 EAST 43rd STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
150 MADISON AVENUE
NEW YORK, NEW YORK 10016

A/V ACOUSTICS:
DAVIS MEDNA VALVE
11 EAST 26th STREET
NEW YORK, NEW YORK 10010

LIGHTING:
CLINE BERTHROZE BERNSTEIN LIGHTING
30 WEST 22nd STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID ELI LIEBOWITZ, P.E.
11 WEST 42nd STREET
NEW YORK, NEW YORK 10018

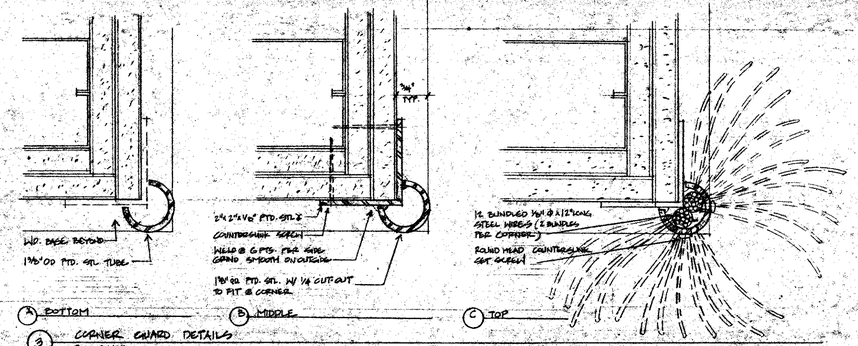
BLDG. A — NORTH — BLDG. B

NO.: DATE: REVISIONS:
1 11/96 GENERAL REV

TITLE:
QUADRANT B
106TH FLOOR ELEVATIONS
SUITES C,D,E,F

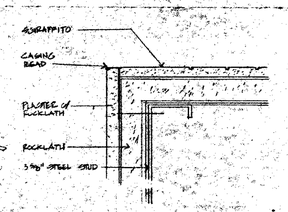
HHPA PROJECT NO.: 9466.01
DATE: 6/5/95
SCALE: 1/4"=1'-0"
DRAWING NO.: A514

TAA 95119.05

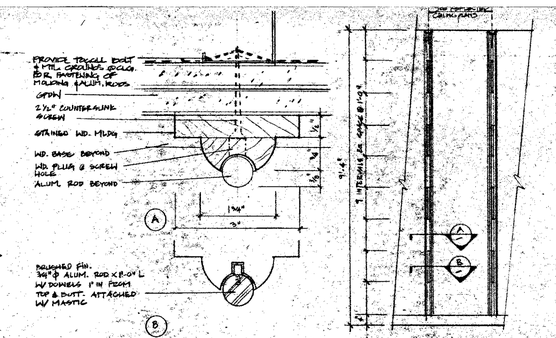


A BOTTOM B MIDDLE C TOP

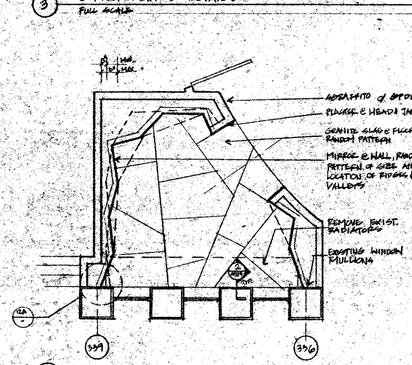
3 CORNER GUARD DETAILS
FULL SCALE



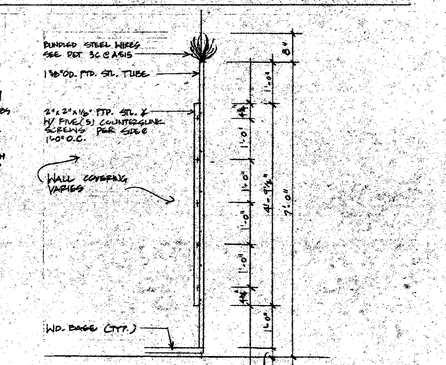
2 CORNER & SOFFIT DET @ 166'6" / 106TH FL.
FULL



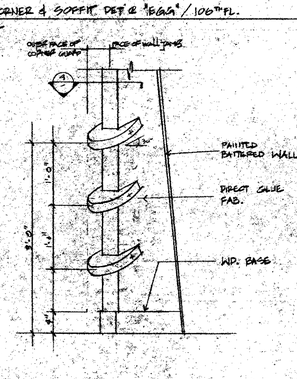
1 WOOD BATTEN DETAILS



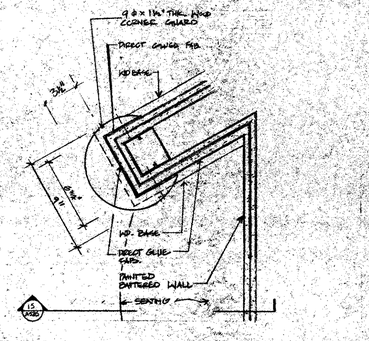
9 ALCOVE 801A - PLAN - OPP. SIM
1/2" = 1'-0"



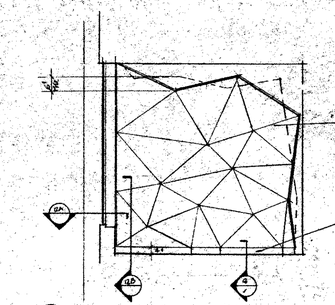
6 CORNER GUARD ELEVATION
3/4" = 1'-0"



5 CORNER GUARD ELEVATION (SEE ALTERNATES)
1 1/2" = 1'-0"

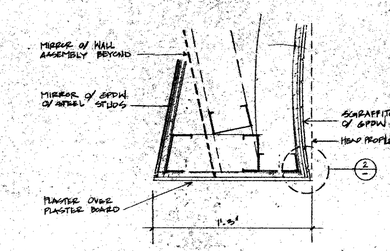


4 CORNER GUARD DETAIL (SEE ALTERNATES)
3" = 1'-0"

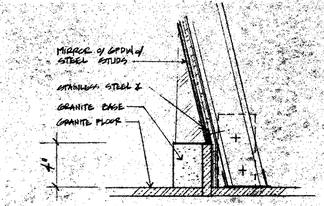


11 ALCOVE 801A - ELEVATION - OPP. SIM
1/2" = 1'-0"

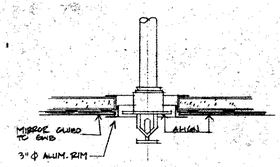
10 ALCOVE 801A - ELEVATION
1/2" = 1'-0"



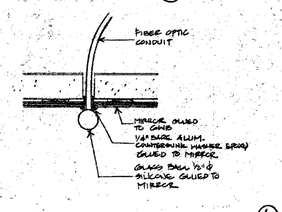
9 JAMB & HEAD DET. @ RM. 801A
3" = 1'-0"



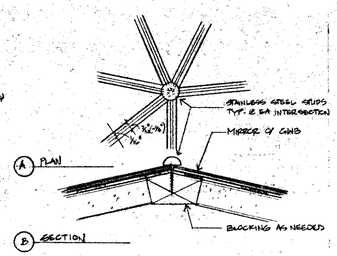
8 BASE DETAIL @ ALCOVE 801A
3" = 1'-0"



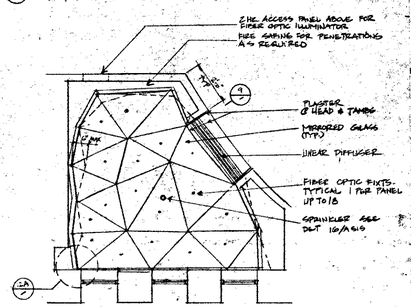
16 SPRINKLER PENETRATION DET.
HALF FULL SCALE



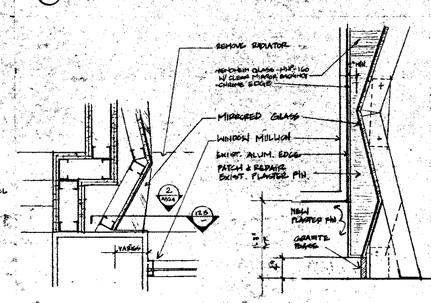
15 FIBER OPTIC LIGHT FIXT.
FULL SCALE



14 MIRROR INTERSECTION (TYP. ALL LOCATIONS SHOWN IN 10, 11 & 13)
FULL SCALE



13 ALCOVE 801A RCP OPP SIM
1/2" = 1'-0"



12 WINDOW MULLION @ ALCOVE 801A (SEE ALTERNATES)
1 1/2" = 1'-0"

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
ONE WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

OPERATOR:
S.E. THOMPSON CORPORATION
NEW YORK, NEW YORK 10019

ARCHITECT:
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622 BROADWAY - 10TH FLOOR
NEW YORK, NEW YORK 10012

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31 NORTH AVENUE
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
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NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
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2 EAST 23RD STREET
NEW YORK, NEW YORK 10010

LIGHTING:
CLINE BERTRONE PETERSON LIGHTING
NEW YORK, NEW YORK 10010

CODES/ ADA:
DAVID A. SCHWARTZ, P.E.
NEW YORK, NEW YORK 10018

BLDG. 1 — NORTH — BLDG. 2

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
4	6.9.95	GENERAL REVS.
5	7.17.95	GENERAL REVS.
6	10.4.95	ISSUED FOR CONSTRUCTION

TITLE:
PLAN DETAILS

HHPA PROJECT NO. 9466.03
DRAWING NO. A515
DATE: MAY 5, 1995
SCALE:

TAA 951114.07

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE CENTER - 350 VESEY STREET
NEW YORK, NEW YORK 10048

OPERATOR:
R.F. WINDOWS CORPORATION
1633 BROADWAY
NEW YORK, NEW YORK 10019

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
115 FIFTH AVENUE, 4TH FLOOR
NEW YORK, NEW YORK 10003

M/E ENGINEER:
ALTIERI SEBOR WIEBER
50 LEONARD STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd STREET
NEW YORK, NEW YORK 10017

LIGHTING DESIGN:
CLINE BETTRIDGE (RENDERED LIGHTING
1133 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036

A/V ACOUSTICS:
PAUL VEIT STAGE
1133 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036

LIGHTING:
CLINE BETTRIDGE (RENDERED LIGHTING
1133 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036

CODE/ADA:
DAVID M. SCHWARTZ P.E.
1133 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036

BLDG. NORTH

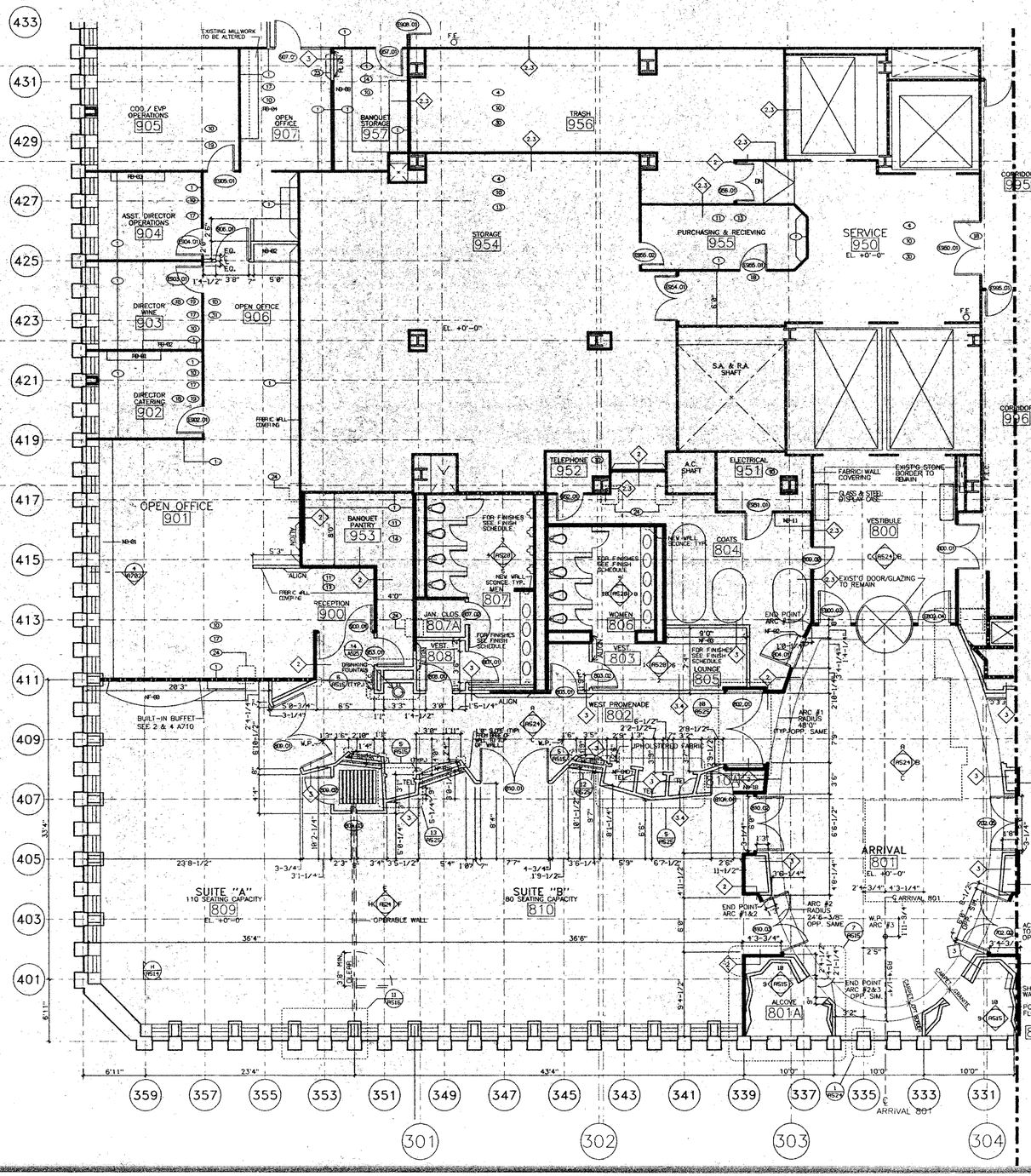
NO.	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
6	5 95	GENERAL REV
7	7 17 95	GENERAL REV
10	9 1 95	MISC. for CONSTRUCTION

TITLE:
QUADRANT B
106TH FLOOR
CEILING DETAILS

HHPA PROJECT NO.: 9408.02
DATE: MAY 10, 1995
SCALE: 1/4" = 1'-0"

DRAWING NO.
A516

TAA 951114.07



REFURBISHMENT NOTES (B.O.H.)

	(1)	PATCH DENTS & PAINT EXISTING WALL
NOT USED	(2)	PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED	(3)	REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
	(4)	REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3-PANELS OR LESS PER SPACE)
NOT USED	(4a)	PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED	(5)	REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER
NOT USED	(7)	PROVIDE NEW BASE RAILS
NOT USED	(8)	PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED	(9)	PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
	(10)	REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
	(11)	PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED	(12)	REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	(12a)	PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
	(13)	REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
	(14)	PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED	(15)	REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	(16)	PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED	(17)	PROVIDE NEW CARPET THROUGHOUT SPACE.
	(18)	REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
	(19)	REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED	(20)	EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED	(21)	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED	(21a)	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED	(22)	REPAIR OR REPLACE CLOSET DOOR. REHANG ON TRACK & SERVICE HARDWARE.
	(23)	IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
	(23)	PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED	(25)	PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED	(26)	ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED	(27)	PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED	(28)	PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED	(29)	FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
	(30)	CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED	(31)	REPAINT MULLIONS TO MATCH EXISTING, CLEAR GLASS ON BOTH SIDES.

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

RECEIVED
OCT 11 1995

HARDY HOLZMAN PFEIFFER ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.O. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 80TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
156 5TH AVE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
902 BROADWAY 10TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
150 MADISON AVENUE
NEW YORK, NEW YORK 10016

A/V ACOUSTICS:
JAHN MISSON WILKE
11 EAST 26TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
50 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. FISHWITH P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A · TOWER B · NORTH

NO.	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/5/95	PA QUERIES/REVISIONS
3	7/17/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT C
106TH FLOOR PLAN
ARRIVAL/AMENITIES/SUITES

HHPA PROJECT NO. 5466.03
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. A520

TAA 951114.07

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
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WORLD TRADE DEPARTMENT
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NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
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500 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN MILSOM WILKE
419 EAST 56TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BERNIER BORNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID L. LIBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A — TOWER B — NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
A	6/5/95	PA QUERIES/REVISIONS
A	7/17/95	GENERAL REVISIONS
A	10/9/95	ISSUE FOR CONSTRUCTION

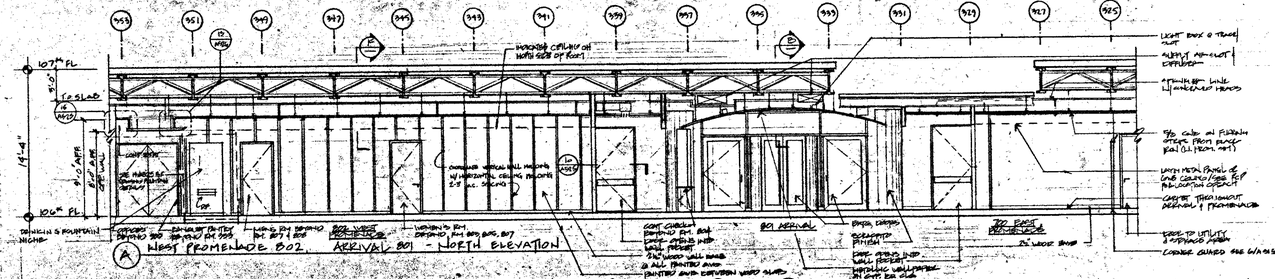
TITLE:
QUADRANT C
106TH REFLECTED CEILING
ARRIVAL/AMENITIES/SUITES

HHPA PROJECT NO. 5466.03
DRAWING NO. A521
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES



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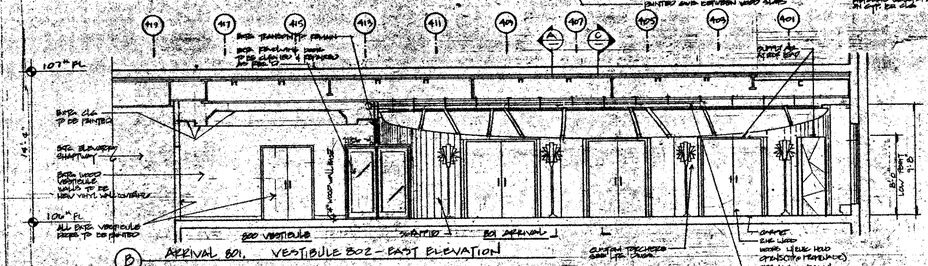

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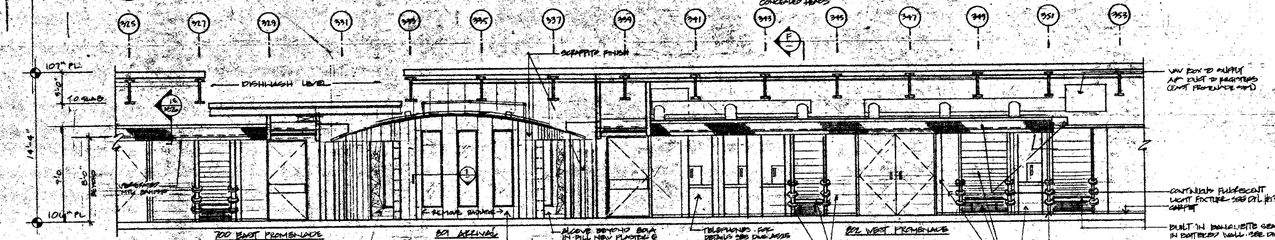

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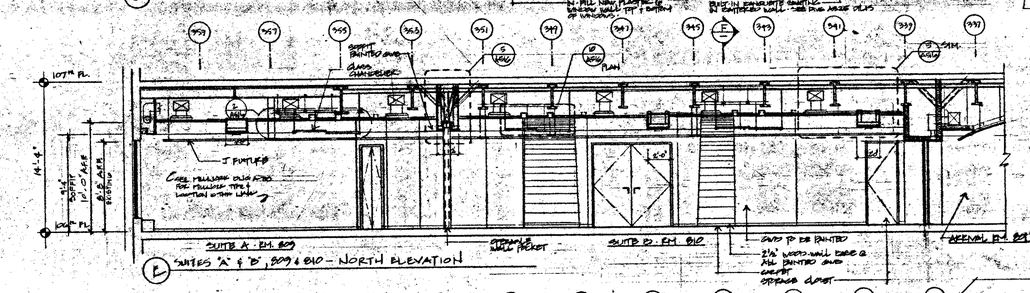

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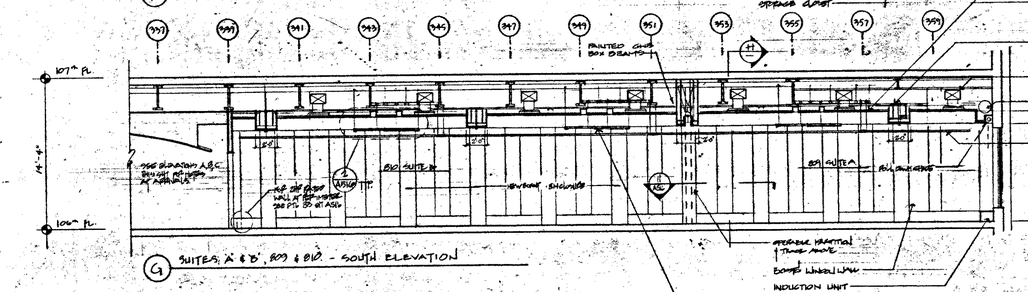

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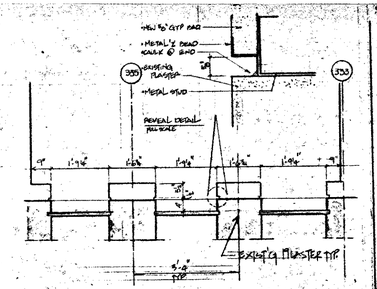
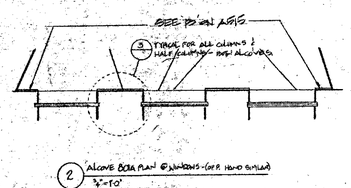
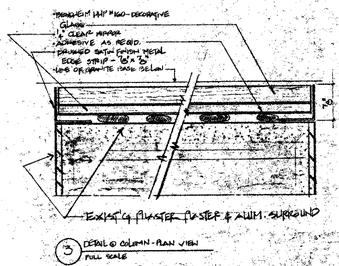


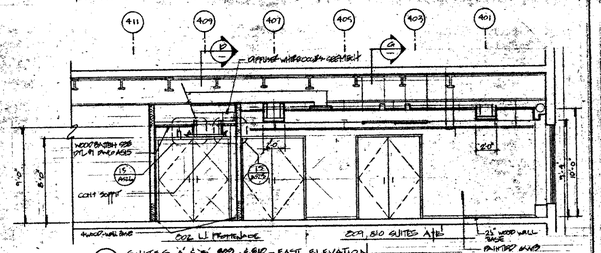
1 PLAN @ SOUTH WALL-ARRIVAL-106 (SEE ALTERNATES)
3/4"=1'-0"



2 ALCOVE B09A PLAN @ SOFFITS (OPP. HAND SIMILAR)
3/4"=1'-0"



3 DETAIL @ COLUMN - PLAN VIEW
FULL SCALE



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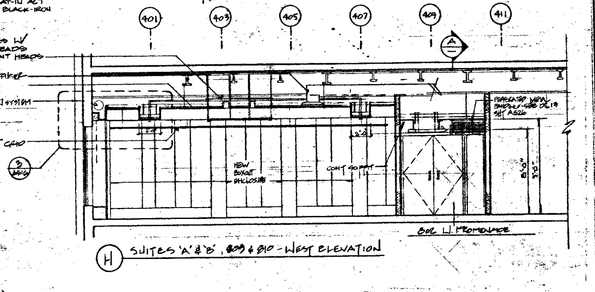

H

LANDLORD:
PORT AUTHORITY OF N.Y. & N.J.
WORLD TRADE DEPARTMENT
ONE WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

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135 - 57th AVENUE
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KITCHEN PLANNING:
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LIGHTING:
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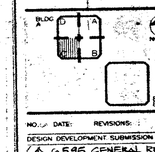
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. FERGUSON P.E.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018



NO.	DATE:	REVISIONS:
		DESIGN DEVELOPMENT SUBMISSION
1	4.5.95	GENERAL REVS
2	7.7.95	GENERAL REVS
3	9.7.95	ISSUED FOR CONSTRUCTION

TITLE
QUADRANT C
106TH FLOOR ELEVATIONS
ARRIVAL/SUITES A,B

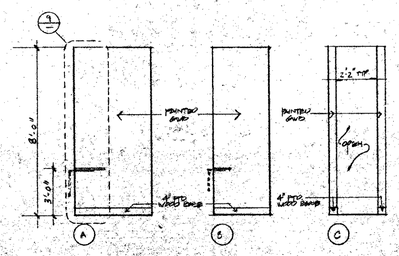
HHPA PROJECT NO.
9466.01

DRAWING NO.
A524

DATE:
MAY 1ST 1995

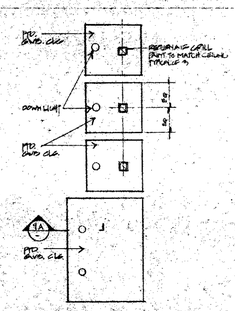
SCALE
1/4" = 1'-0"

AA 95114.07

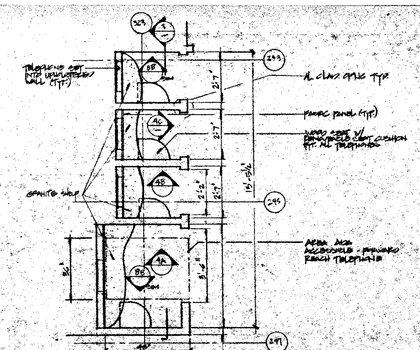


4 TELEPHONES @ EAST PROMENADE - ELEVATIONS 1/2" = 1'-0"

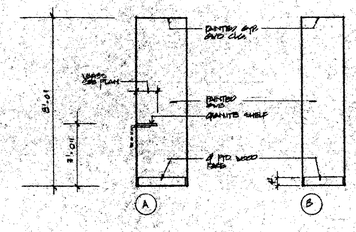
3 ADA ACCESSIBLE TELEPHONE @ EAST PROMENADE - ELEV. 1/2" = 1'-0"



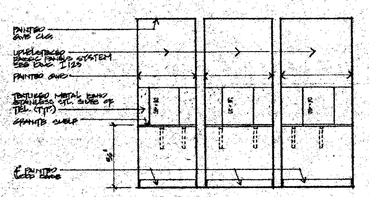
2 TELEPHONES @ EAST PROMENADE - RCP 1/2" = 1'-0"



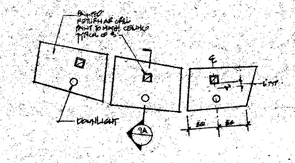
1 TELEPHONES @ EAST PROMENADE - PLAN 1/2" = 1'-0"



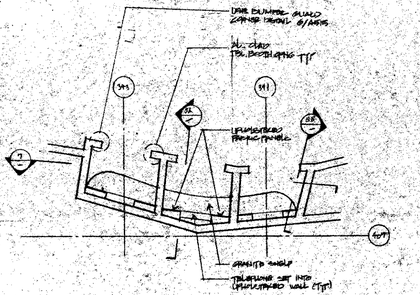
8 PHONES @ WEST PROMENADE - ELEVATION 1½" = 1'-0"



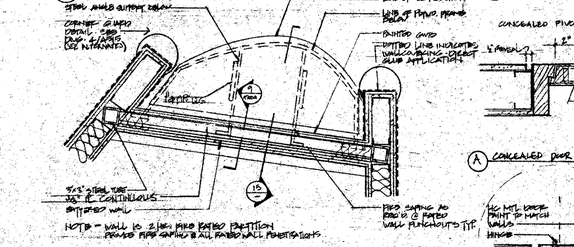
7 PHONES @ WEST PROMENADE - ELEVATION 1/2" = 1'-0"



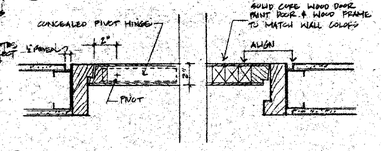
6 PHONES @ WEST PROMENADE - RCP 1/2" = 1'-0"



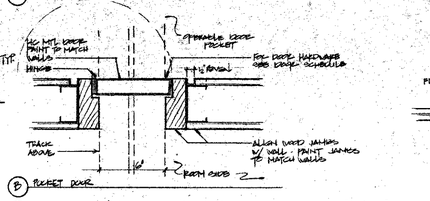
5 TELEPHONES @ WEST PROMENADE - PLAN 1/2" = 1'-0"



8 PHONES @ WEST PROMENADE - ELEVATION 1½" = 1'-0"

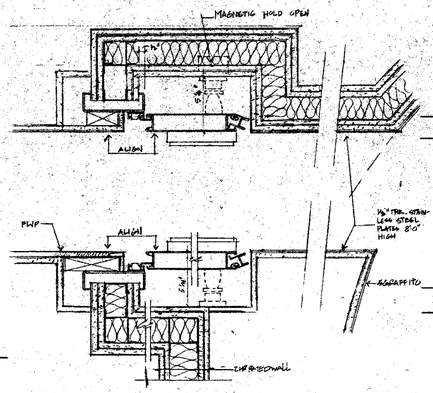


A CONCEALED DOOR

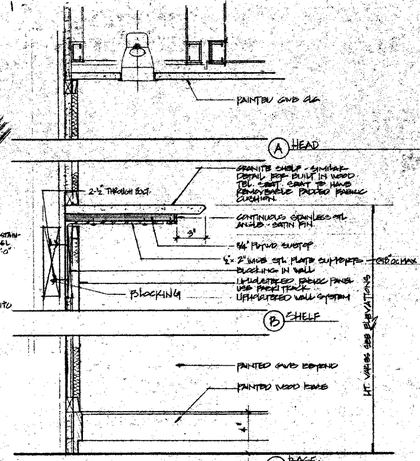


B POCKET DOOR

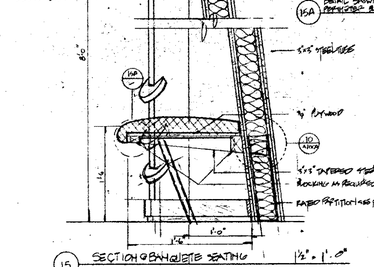
11 POCKET DOOR FOR OPERABLE WALLS 3/4" = 1'-0"



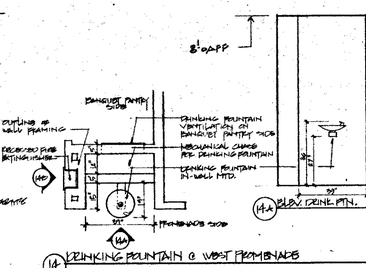
10 POCKET DETAIL @ PROMENADE FIRE DOORS



9 SECTION @ TELEPHONES - TYP. 3/4" = 1'-0"

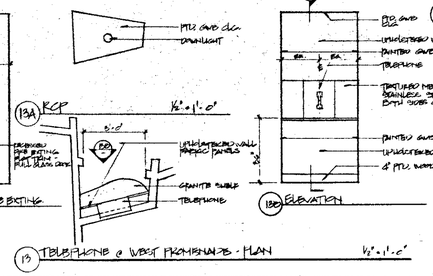


15 SECTION @ BANQUETTE SEATING 1½" = 1'-0"

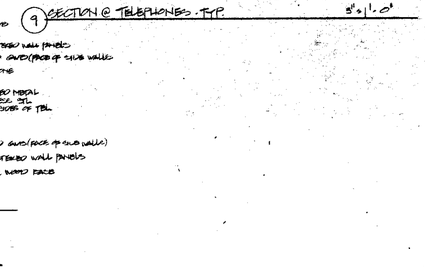


14A ELEV. DRINK FTN. 14B ELEV. FIRE EXTING.

14 DRINKING FOUNTAIN @ WEST PROMENADE 1½" = 1'-0"



13A RCP 1½" = 1'-0"



13B ELEVATION

13 TELEPHONE @ WEST PROMENADE - PLAN 1½" = 1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPT. OF
1 WORLD TRADE CENTER - 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
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1285 6TH AVENUE
NEW YORK, NEW YORK 10019

ARCHITECT:
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NEW YORK, NEW YORK 10010

M&P ENGINEER:
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317 IRVING AVENUE
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A/V ACOUSTICS:
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NEW YORK, NEW YORK 10003

LIGHTING:
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50 W. 23rd STREET
NEW YORK, NEW YORK 10010

CODES/ ADA:
DAVID A. KELLY ASSOCIATES, P.C.
70 W. 40th STREET
NEW YORK, NEW YORK 10018

BLDG. 2 — A B C D — NORTH — BLDG.

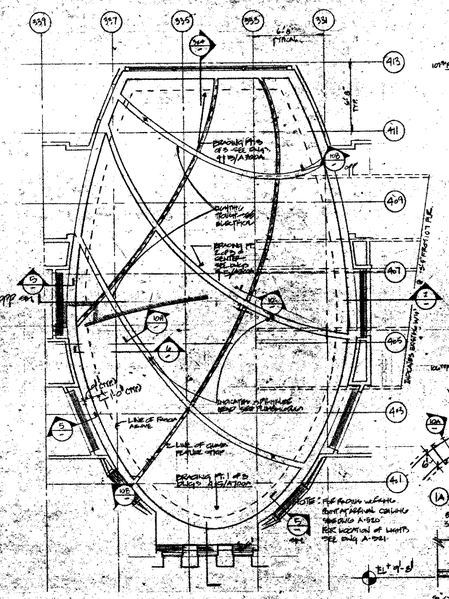
NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
1 10-6-95 GENERAL REVS
2 11-13-95 CENTRAL REVS
ISSUED FOR CONSTRUCTION

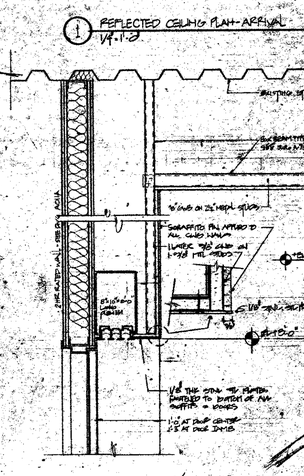
TITLE:
PLAN DETAILS

HHPA PROJECT NO. 9408.03
DATE: MAY 1ST 1996
SCALE:
DRAWING NO. A525

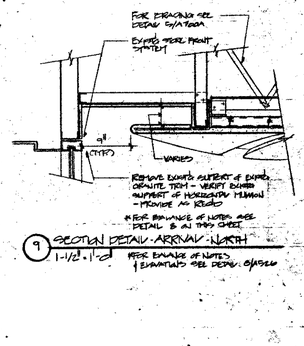
T.C.A 95114.07



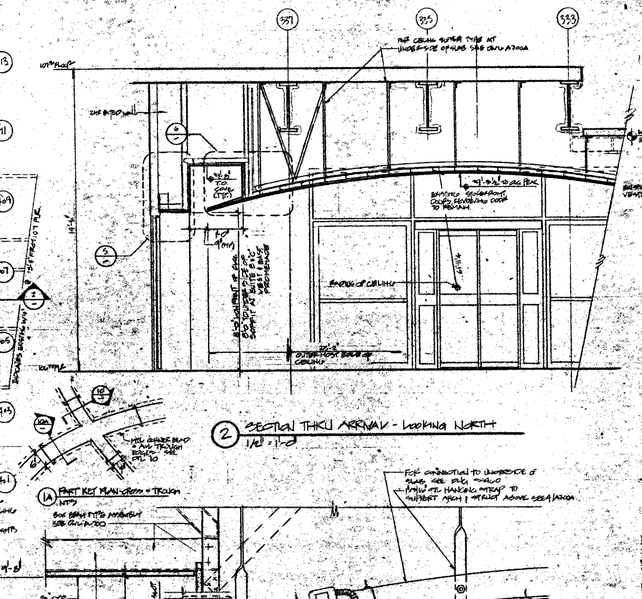
1 REFLECTED CEILING PLAN - ARRIVAL
1/4"=1'-0"



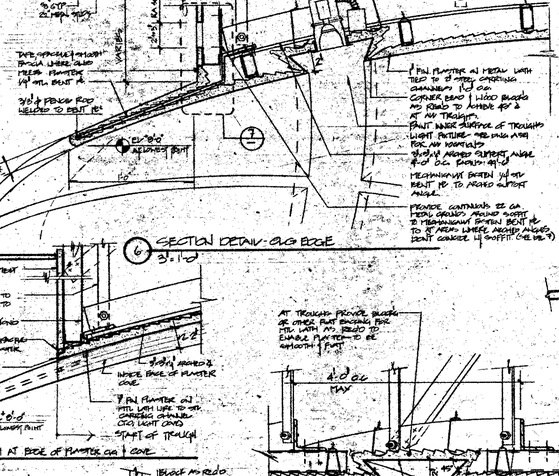
5 SECTION DETAIL @ DOOR/SOFFIT
1-1/2"=1'-0"



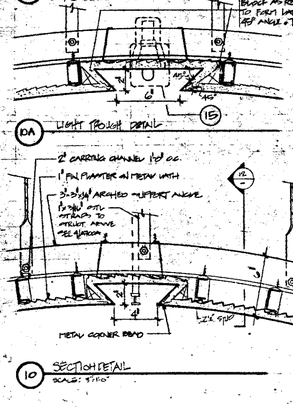
9 SECTION DETAIL - ARRIVAL - NORTH
1-1/2"=1'-0"



2 SECTION THRU ARRIVAL - LOOKING NORTH
1/4"=1'-0"



6 SECTION DETAIL @ CLG EDGE
3"=1'-0"

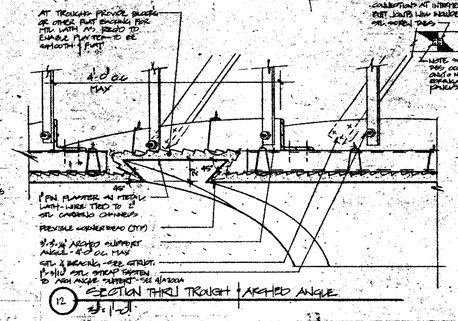


10B SECTION AT EDGE OF PLANTER @ CURB

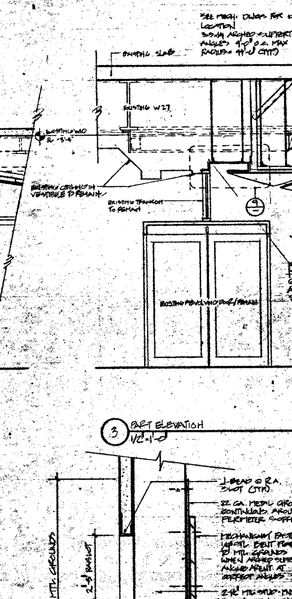
10A LIGHT TROUGH DETAIL

10 SECTION DETAIL
SCALE: 3"=1'-0"

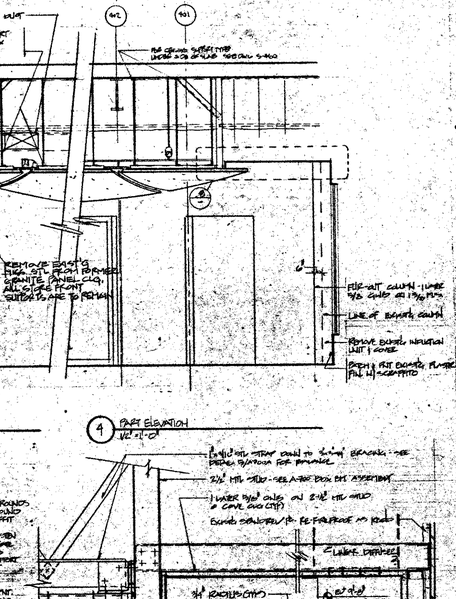
1A FIRST KEY PLAN - NORTH - TRUTH
NTS



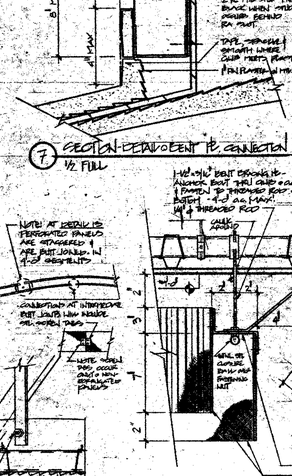
12 SECTION THRU TROUGH / ARCHED ANGLE
3"=1'-0"



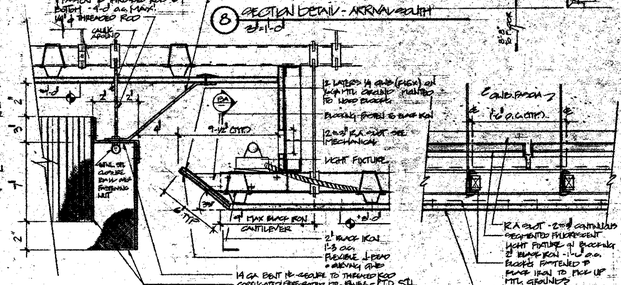
3 EAST ELEVATION
1/2"=1'-0"



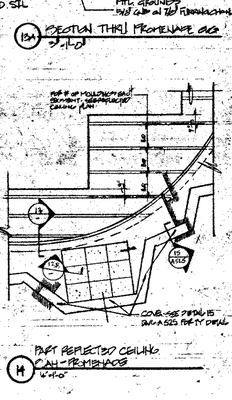
4 EAST ELEVATION
1/2"=1'-0"



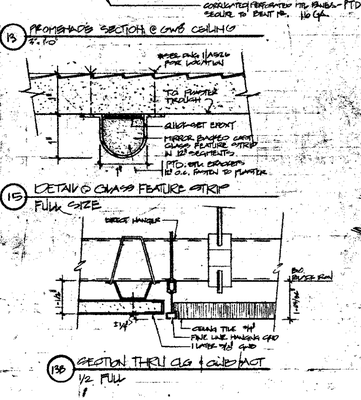
7 SECTION-DETAIL @ CONNECTION
1/2" FULL



8 SECTION DETAIL - ARRIVAL SOUTH
3"=1'-0"



13A SECTION THRU PROMENADE @ CLG
3"=1'-0"



13 PROMENADE SECTION @ CURB CEILING
3"=1'-0"

15 DETAIL @ GLASS FEATURE STRIP
FULL SIZE

13B SECTION THRU CLG @ CURB MT
1/2" FULL

14 FIRST REFLECTED CEILING PLAN - PROMENADE
1/4"=1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
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OPERATOR:
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ARCHITECT:
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M&P ENGINEER:
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NORWALK, CONNECTICUT 06851

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BLDG. A B NORTH BLDG.

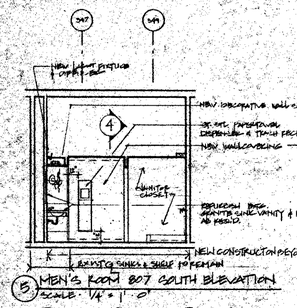
NO. / DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
6 15 95
7 17 95 GENERAL EDITS
REVISED ISSUED FOR CONSTRUCTION

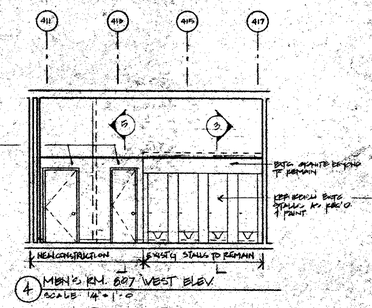
TITLE:
CEILING DETAILS

WHPA PROJECT NO. 9406.03
DRAWING NO. A526
DATE: NOV. 1, 1995
SCALE:

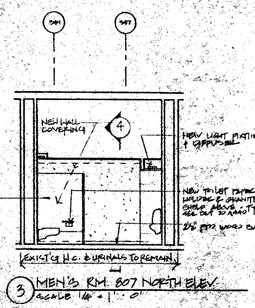
TAA 951114.07



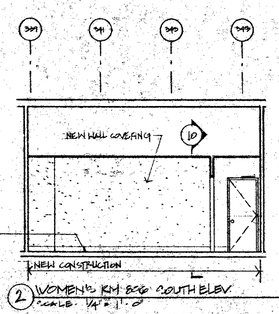
5 MEN'S ROOM 807 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



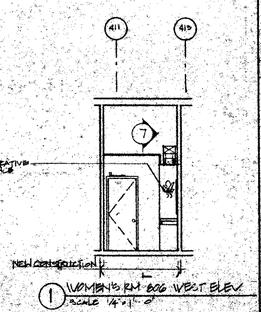
4 MEN'S RM. 807 WEST ELEV.
SCALE: 1/4" = 1'-0"



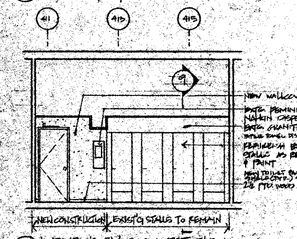
3 MEN'S RM. 807 NORTH ELEV.
SCALE: 1/4" = 1'-0"



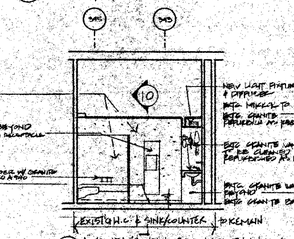
2 WOMEN'S RM 806 SOUTH ELEV.
SCALE: 1/4" = 1'-0"



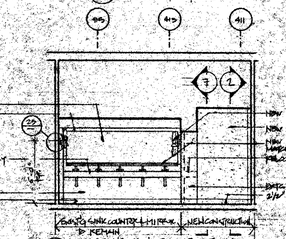
1 WOMEN'S RM 806 WEST ELEV.
SCALE: 1/4" = 1'-0"



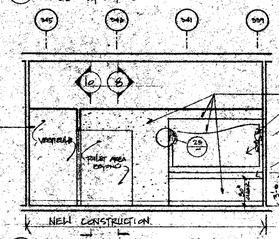
10 WOMEN'S RM. 806 WEST ELEV.
SCALE: 1/4" = 1'-0"



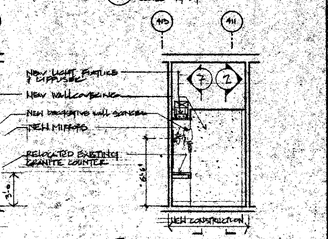
9 WOMEN'S RM. 806 NORTH ELEV.
SCALE: 1/4" = 1'-0"



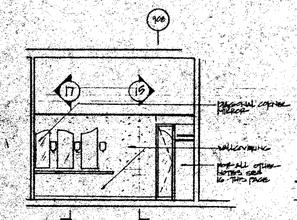
8 WOMEN'S RM. 806 EAST ELEV.
SCALE: 1/4" = 1'-0"



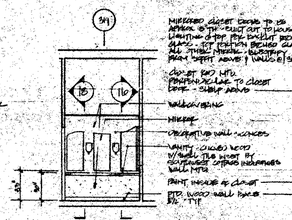
7 WOMEN'S RM 806 NORTH ELEV.
SCALE: 1/4" = 1'-0"



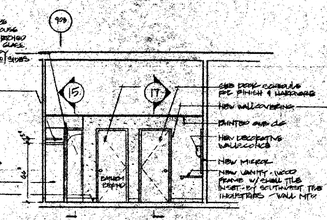
6 WOMEN'S RM. 806 EAST ELEV.
SCALE: 1/4" = 1'-0"



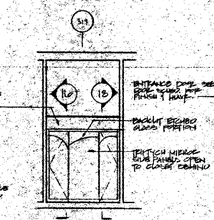
18 BRIDE'S RM. 706 WEST ELEV.
SCALE: 1/4" = 1'-0"



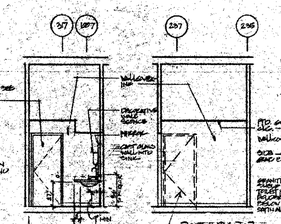
17 BRIDE'S RM. 706 SO. ELEV.
SCALE: 1/4" = 1'-0"



16 BRIDE'S RM. 706 EAST ELEV.
SCALE: 1/4" = 1'-0"



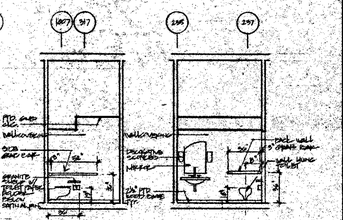
15 BRIDE'S RM 706 NO. ELEV.
SCALE: 1/4" = 1'-0"



14 TOILET RM 708 NO ELEV.
SCALE: 1/4" = 1'-0"

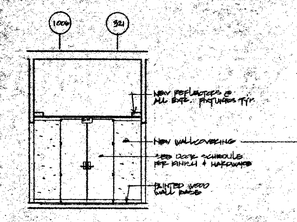
13 TOILET RM 708 WEST ELEV.
SCALE: 1/4" = 1'-0"

TOILET RM 707 BEYOND

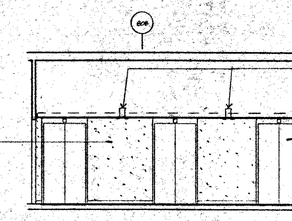


12 TOILET RM 708 SO. ELEV.
SCALE: 1/4" = 1'-0"

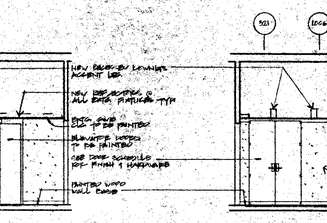
11 TOILET RM 708 EAST ELEV.
SCALE: 1/4" = 1'-0"



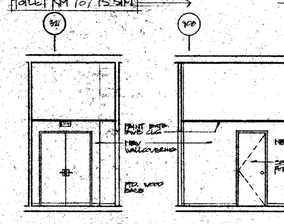
24 ELEVATOR LOBBY RM 710 NO. ELEV (EXIST'G)
SCALE: 1/4" = 1'-0"



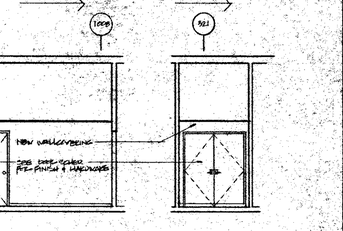
23 ELEVATOR LOBBY RM 710 EAST & WEST ELEV (EXIST'G)
SCALE: 1/4" = 1'-0"



22 ELEVATOR LOBBY RM 710 SO. ELEV (EXIST'G)
SCALE: 1/4" = 1'-0"

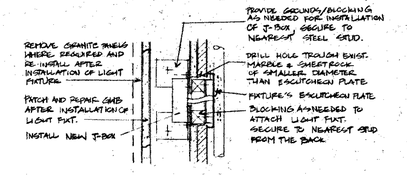


21 VESTIBULE 701 NO ELEV
SCALE: 1/4" = 1'-0"



20 VESTIBULE 701 EAST ELEV
SCALE: 1/4" = 1'-0"

19 VESTIBULE 201 SO. ELEV.
SCALE: 1/4" = 1'-0"



29 MOUNTING DETAIL @ WALL SCONCE
3"=1'-0"

RECEIVED
OCT 11 1995
HARDY HOLZMAN PFEIFFER ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF N. & NJ
WORLD TRADE DEPARTMENT
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OPERATOR:
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ARCHITECT:
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STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
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150 EAST 52ND STREET
NEW YORK, NEW YORK 10010

CODES/ ADA:
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NEW YORK, NEW YORK 10018

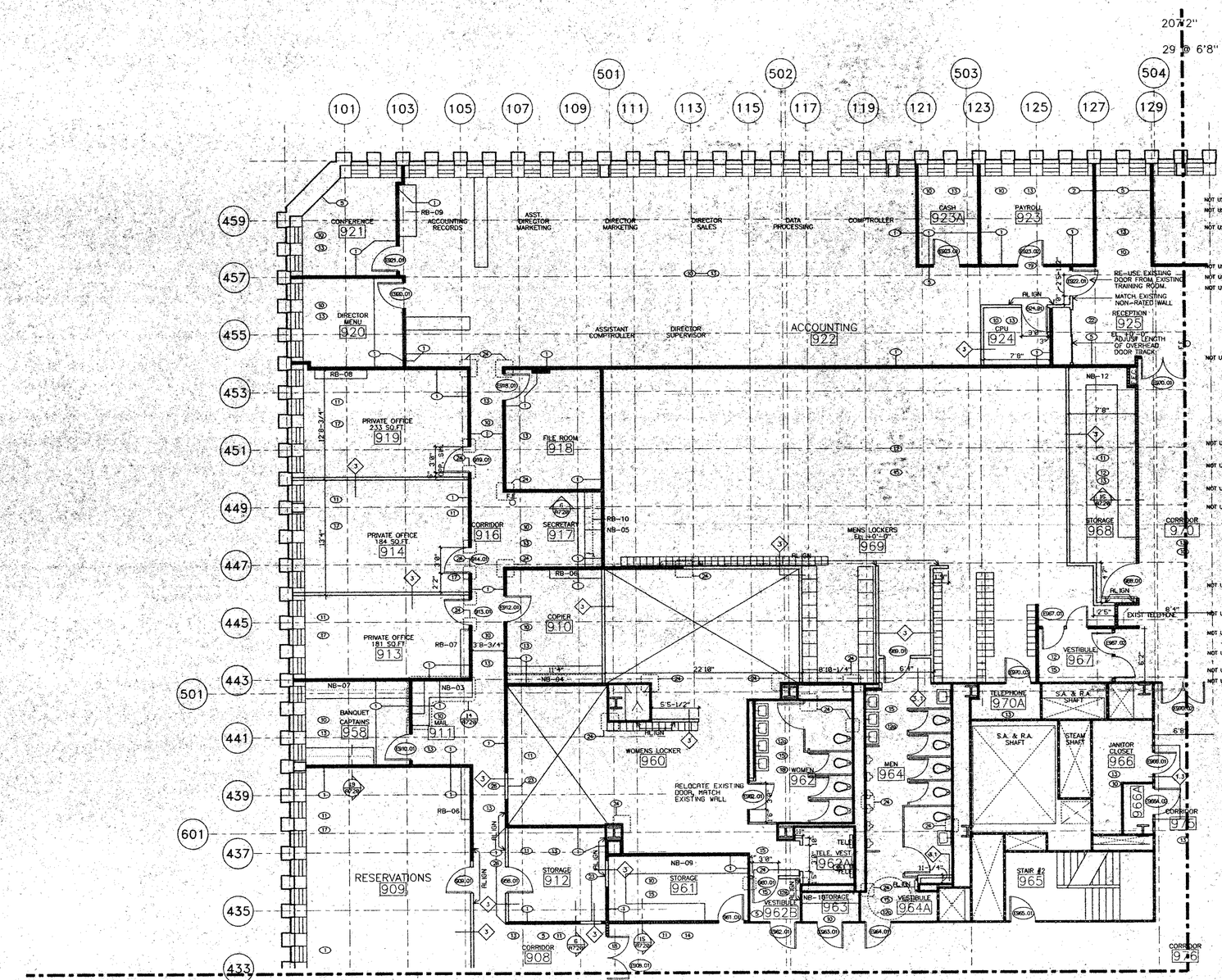
BLDG A B C D — NORTH — BLDG.

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
Δ 6	8/95	GENERAL REV'S

TITLE: **TOILETS AND MISCELLANEOUS ELEVATIONS**

HHPA PROJECT NO.: 5466.03
DRAWING NO.: A528
DATE: MAY 1ST 1995
SCALE:

TAA 951114.05



QUAD "C"
SEE SHEET A480

REFURBISHMENT NOTES (B.O.H.)

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED 3. REFRAME & RECLAD EXP. WALL, SPACKLE & PAINT
NOT USED 4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED 7. PROVIDE NEW BASE RAILS.
NOT USED 8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
NOT USED 9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
11. PROVIDE NEW A.C.T., CEILING, FRAMING SUPPORTS & GRID
12. REPLACE DENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
14. PROVIDE NEW V.C.T., FLOOR THROUGHOUT SPACE.
15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
17. PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED 21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20).
NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
23. RE-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED.> VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

LEGEND

- EXISTING TO REMAIN
- NEW NON-RATED
- EXISTING 1 HOUR RATED
- NEW 1 HOUR RATED
- EXISTING 2 HOUR RATED
- NEW 2 HOUR RATED

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
136 58th STREET
NEW YORK, NEW YORK 10010

ARCHITECT:
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909 BROADWAY
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
909 MADISON AVENUE
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A/V ACOUSTICS:
SHEN WILSON WILKE
6 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
10 WEST 33RD STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIBOWITZ P.C.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

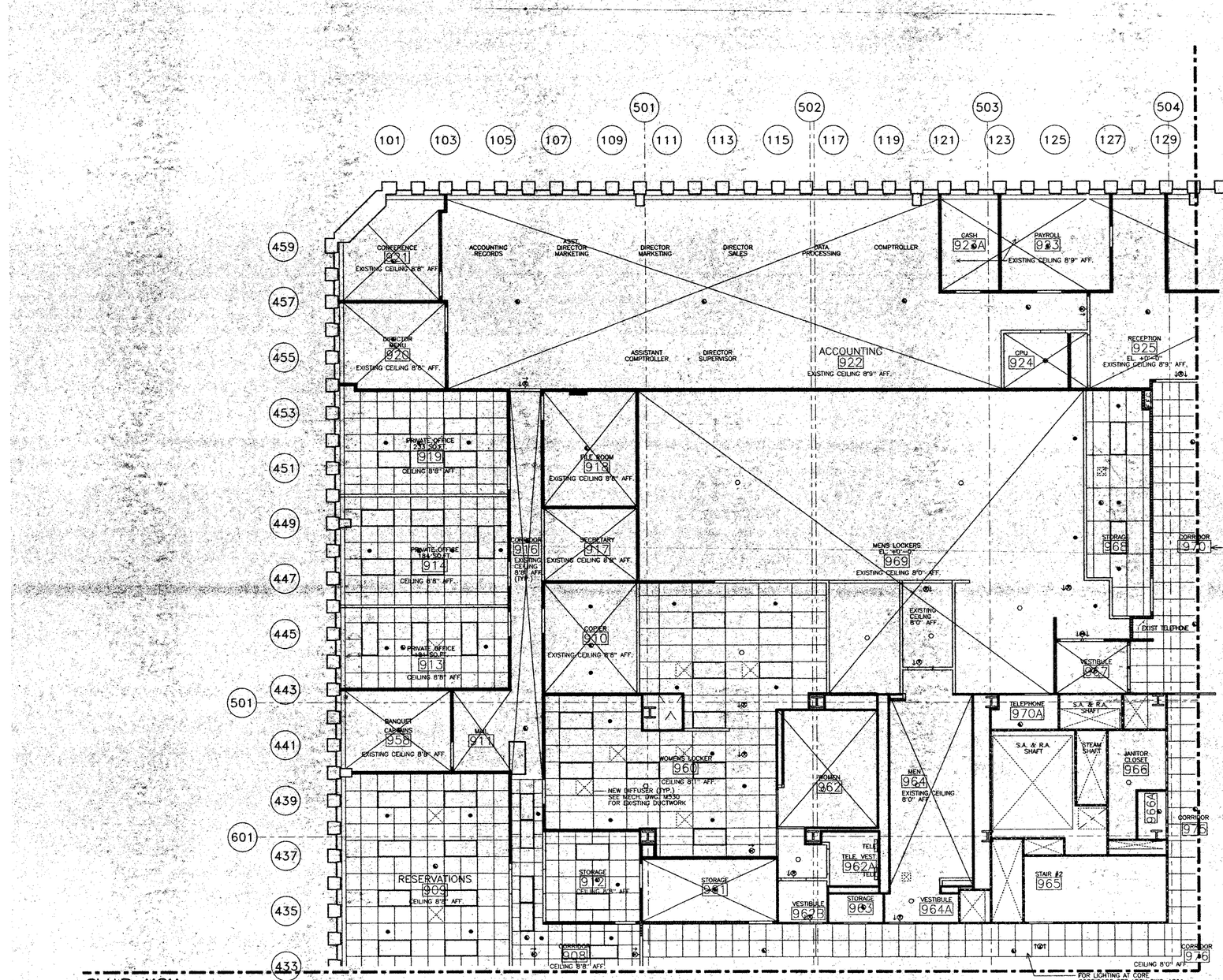
TOWER A — NORTH — TOWER B

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	5/22/95	PA QUERIES/REVISIONS
2	6/5/95	PA QUERIES/REVISIONS
3	7/17/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT D
106TH FLOOR PLAN
BACK OF HOUSE

HHPA PROJECT No. 9466.03
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. A530

TAA 951114.07



QUAD "C"
SEE SHEET

NOTES:

1) FOR CEILING MATERIALS SEE INTERIOR DRAWING I-132

2) FOR GENERIC CEILING HANGING DETAILS AT ALL BACK OF HOUSE AREAS SEE 8/A700

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
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A/V ACOUSTICS:
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NEW YORK, NEW YORK 10016

LIGHTING:
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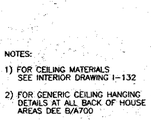
41 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018



NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	6/5/95	PA QUERIES/REVISIONS
2	7/17/95	GENERAL REVISIONS
3	10/3/95	ISSUE FOR CONSTRUCTION

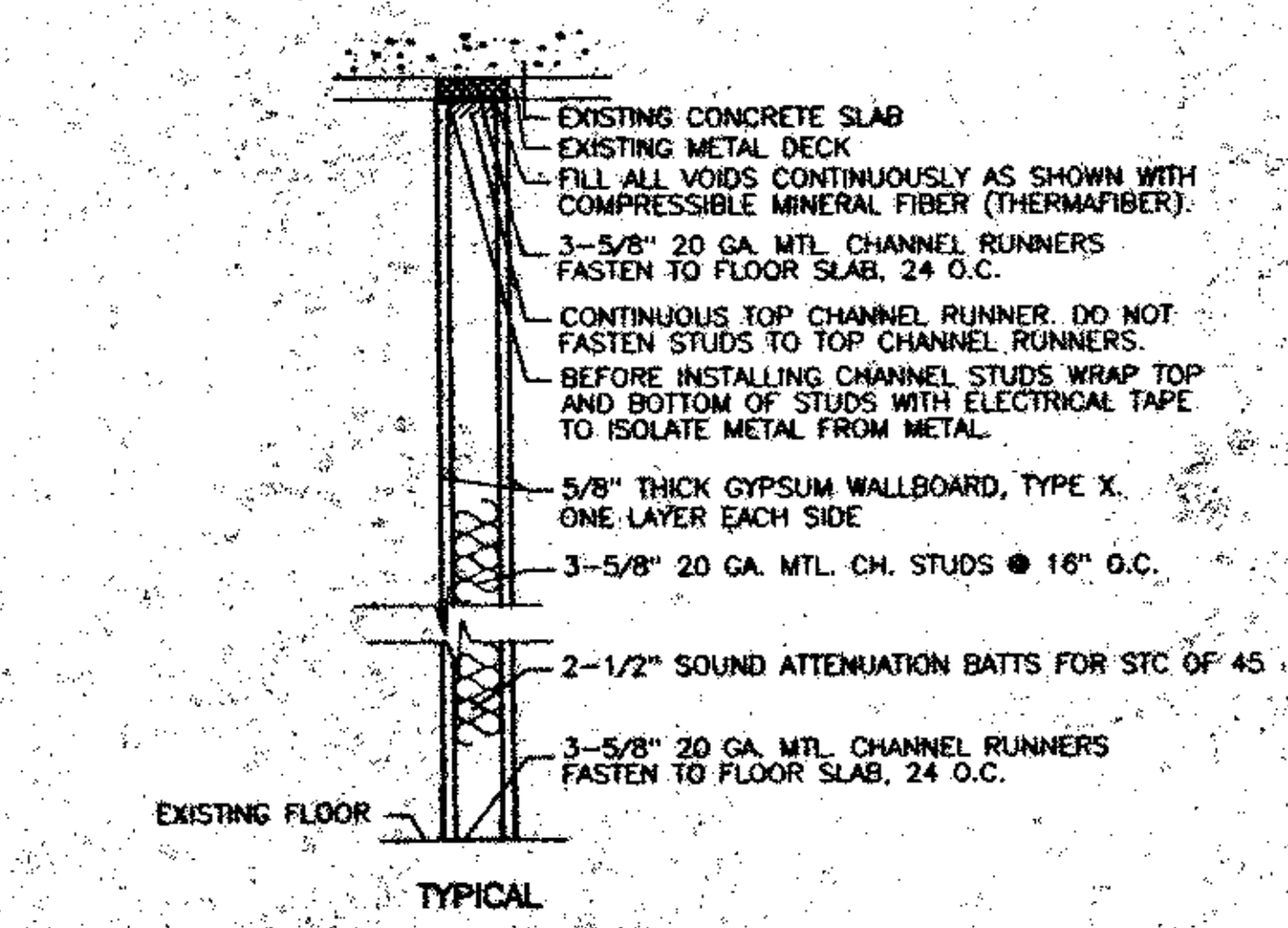
TITLE:
QUADRANT D
106TH REFLECTED CEILING
BACK OF HOUSE

HHPA PROJECT NO. 5468.03
DRAWING NO. A531
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

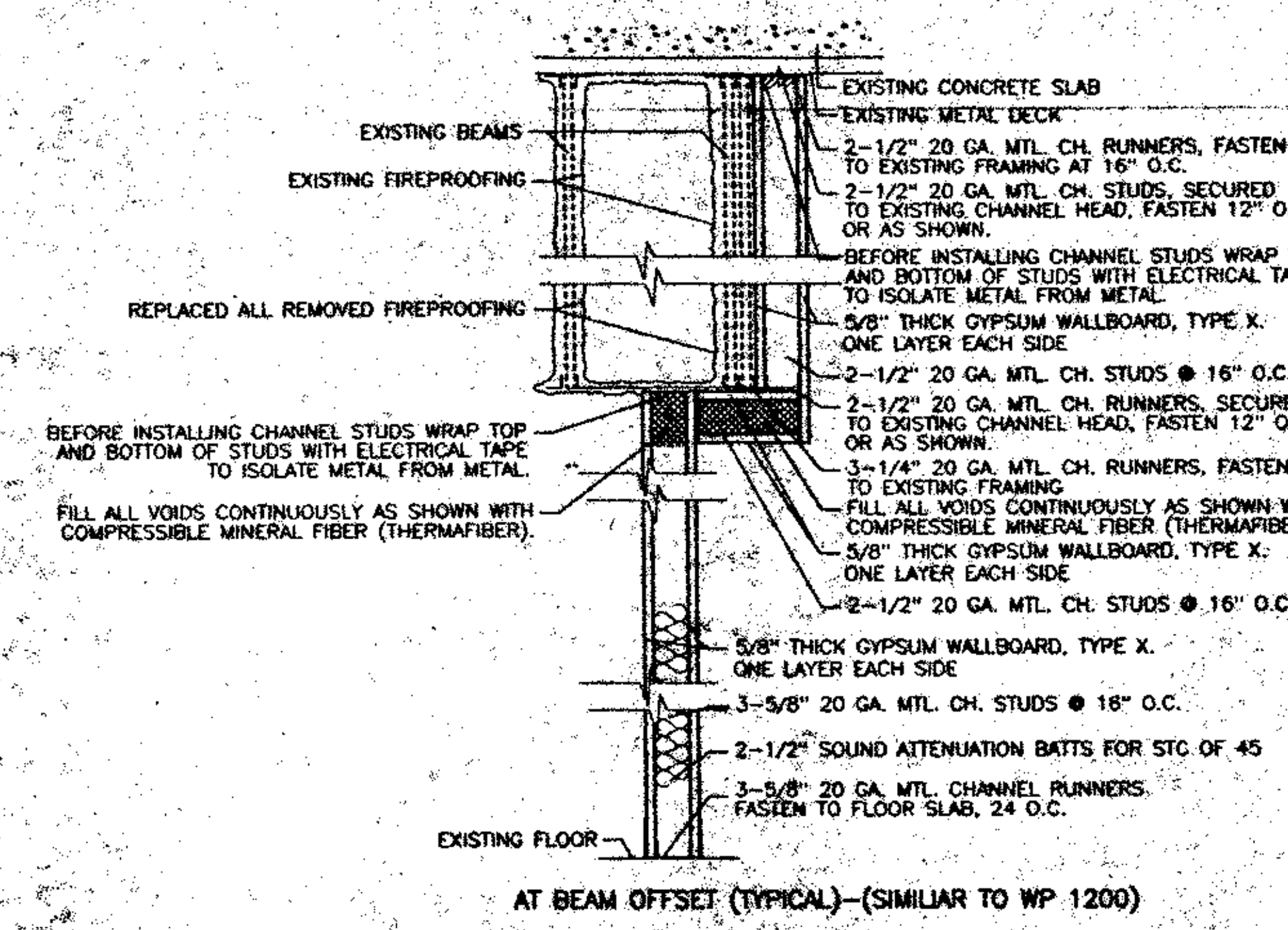
TAA 951114.07

1 HOUR RATED PARTITIONS

GA FILE NO. WP1200



TYPICAL

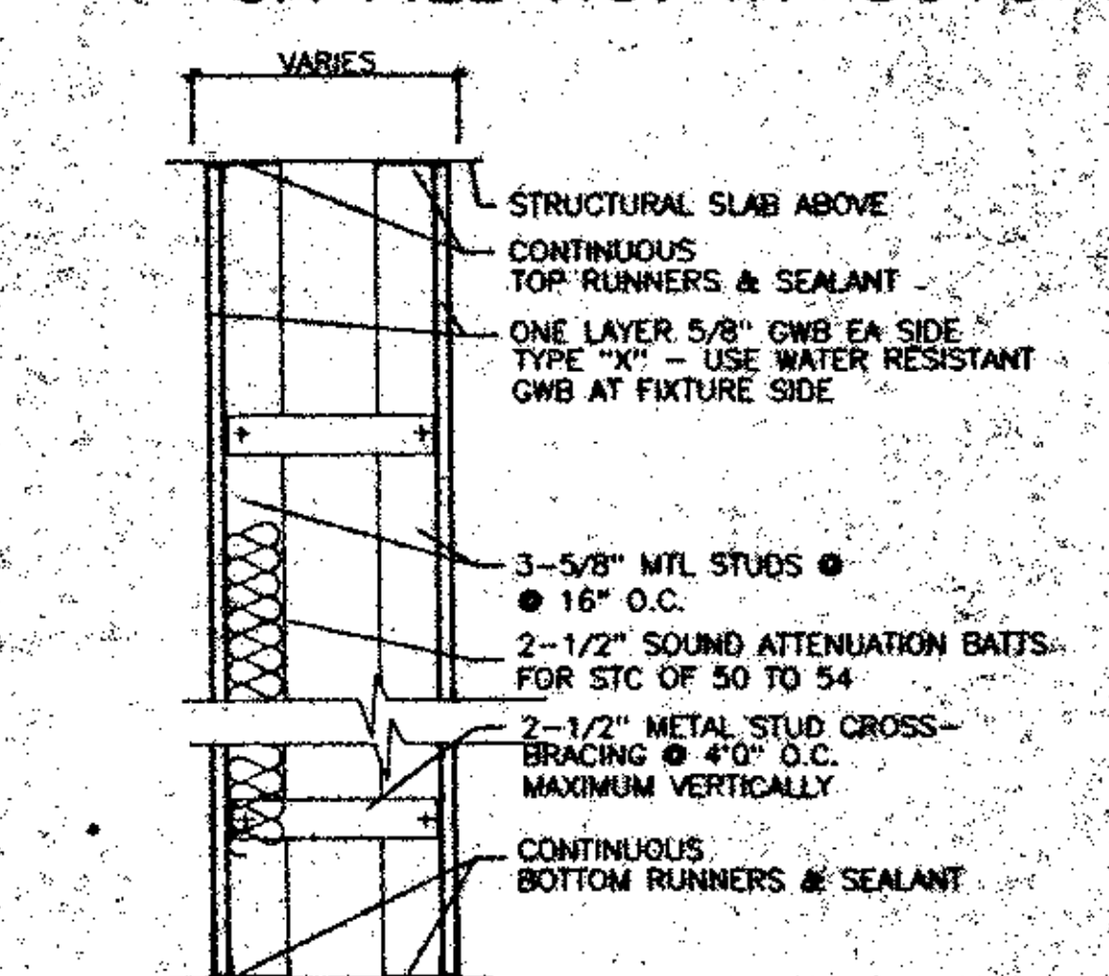


AT BEAM OFFSET (TYPICAL)-(SIMILIAR TO WP 1200)

(1) ONE HOUR-RATED GWB PARTITION
ONE HOUR RATED

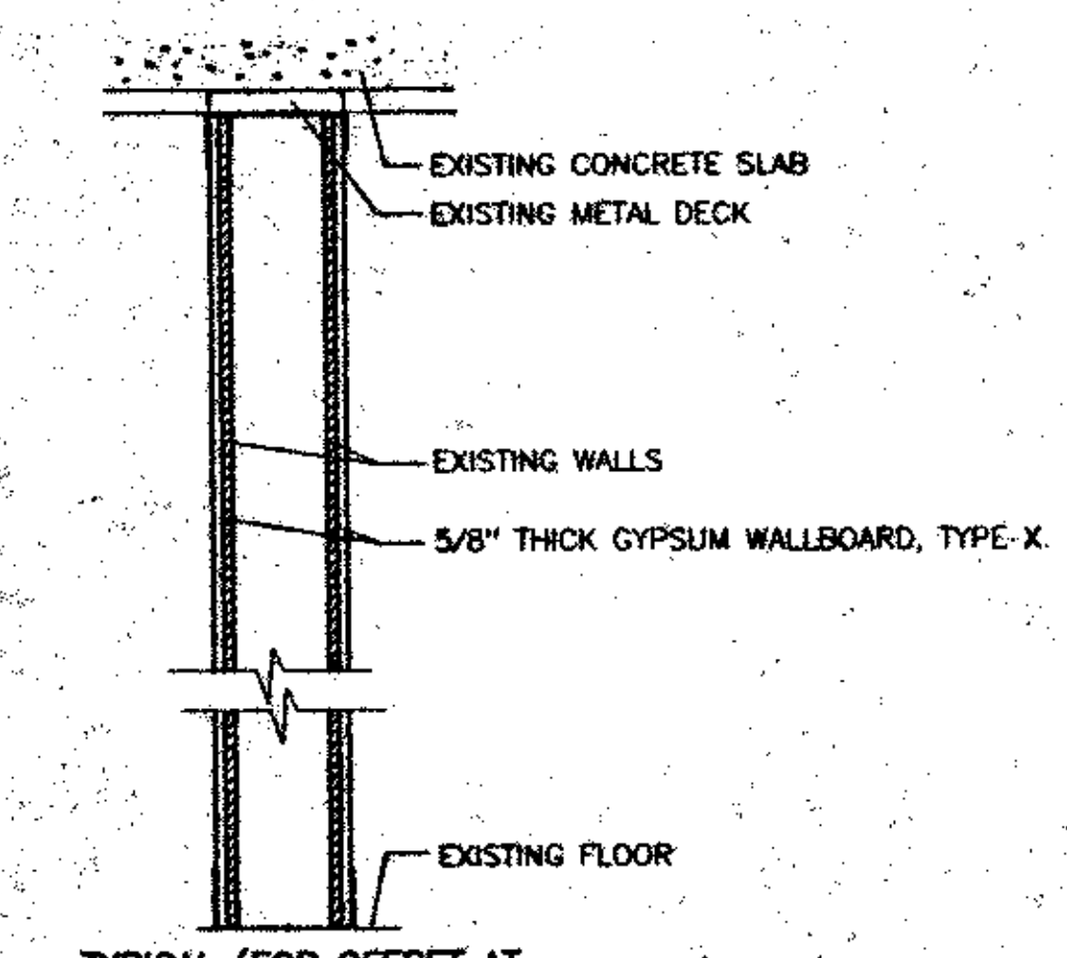
(1.1) 1 HR RATED - WITH TILE BACKER ON ONE SIDE

GA FILE NO. WP 5015



(1.2) ONE HOUR-RATED CHASE WALL
1 HR RATED - W/1 LAYER GWB BOTH SIDES & SOUND ATTEN. BATTS

GA FILE NO. WP 1200



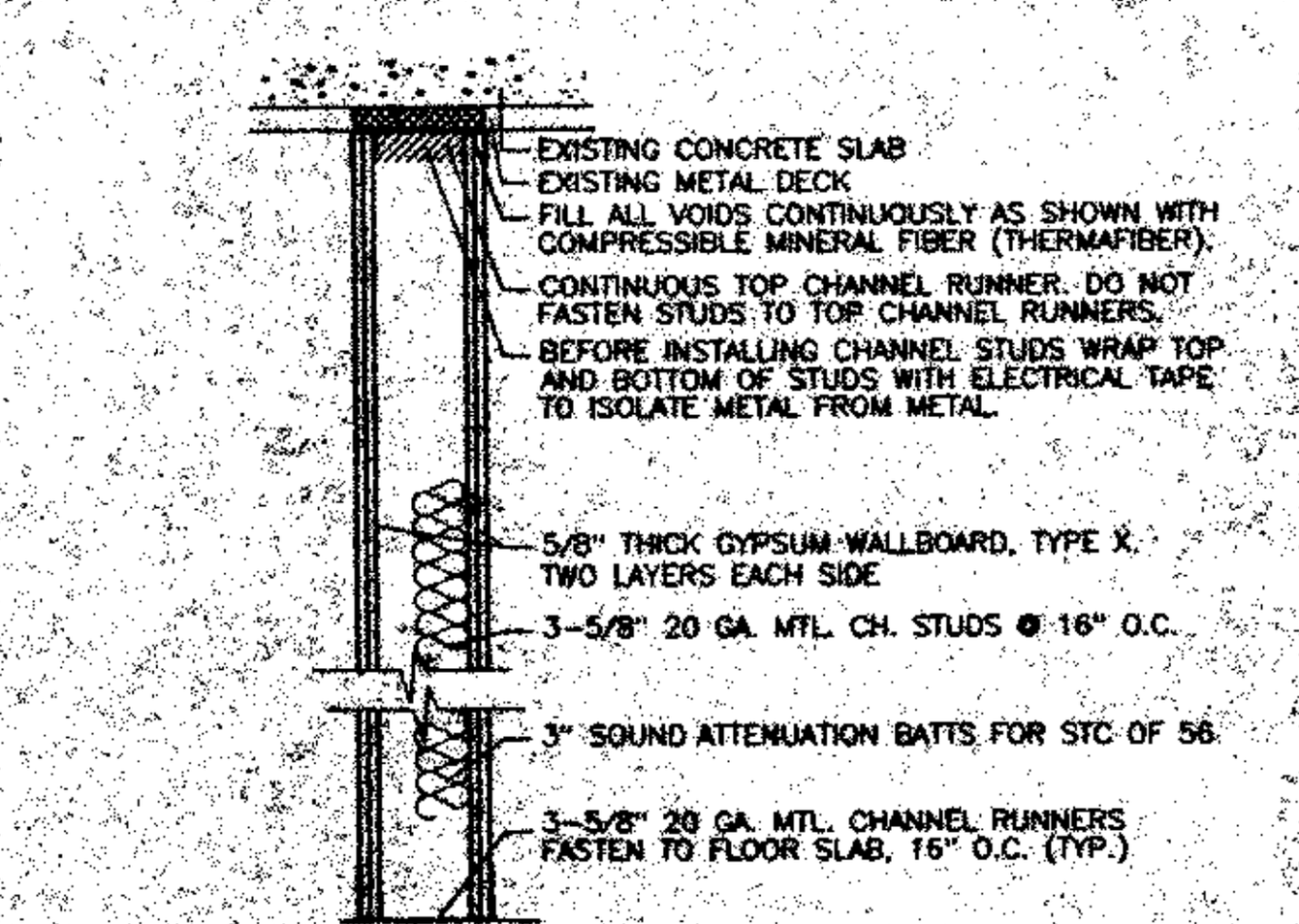
TYPICAL (FOR OFFSET AT BEAM SEE PARTITION TYPE (1))

(1.3) MODIFIED EXISTING PARTITION
1 HR RATED - USE TYPE "X" GWB AT EACH SIDE

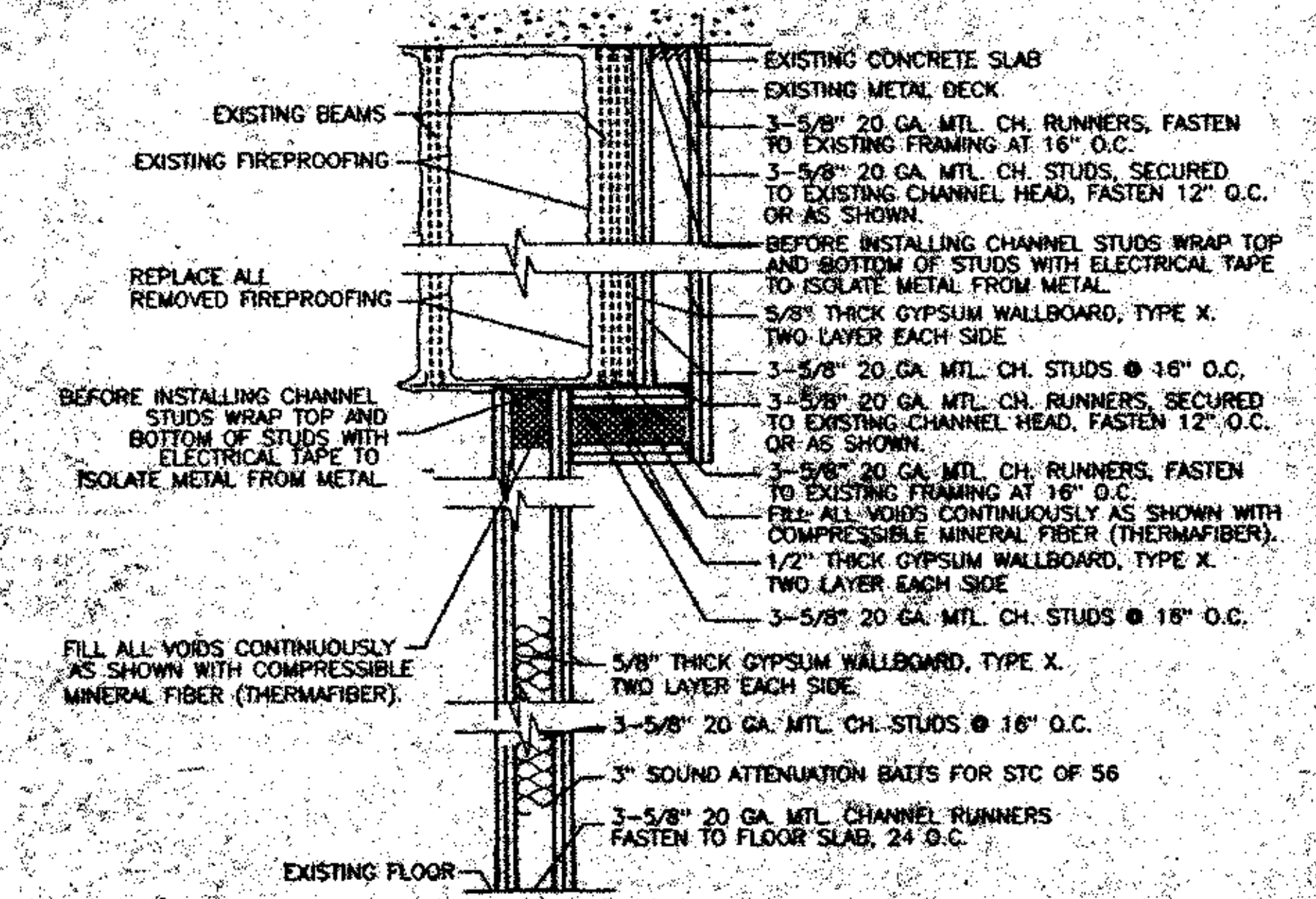
(1.4) 1 HR RATED - USE TYPE "X" GWB W/ TILE BACKER BOARD @ ONE SIDE

2 HOUR RATED PARTITIONS

GA FILE NO. WP 1711



TYPICAL

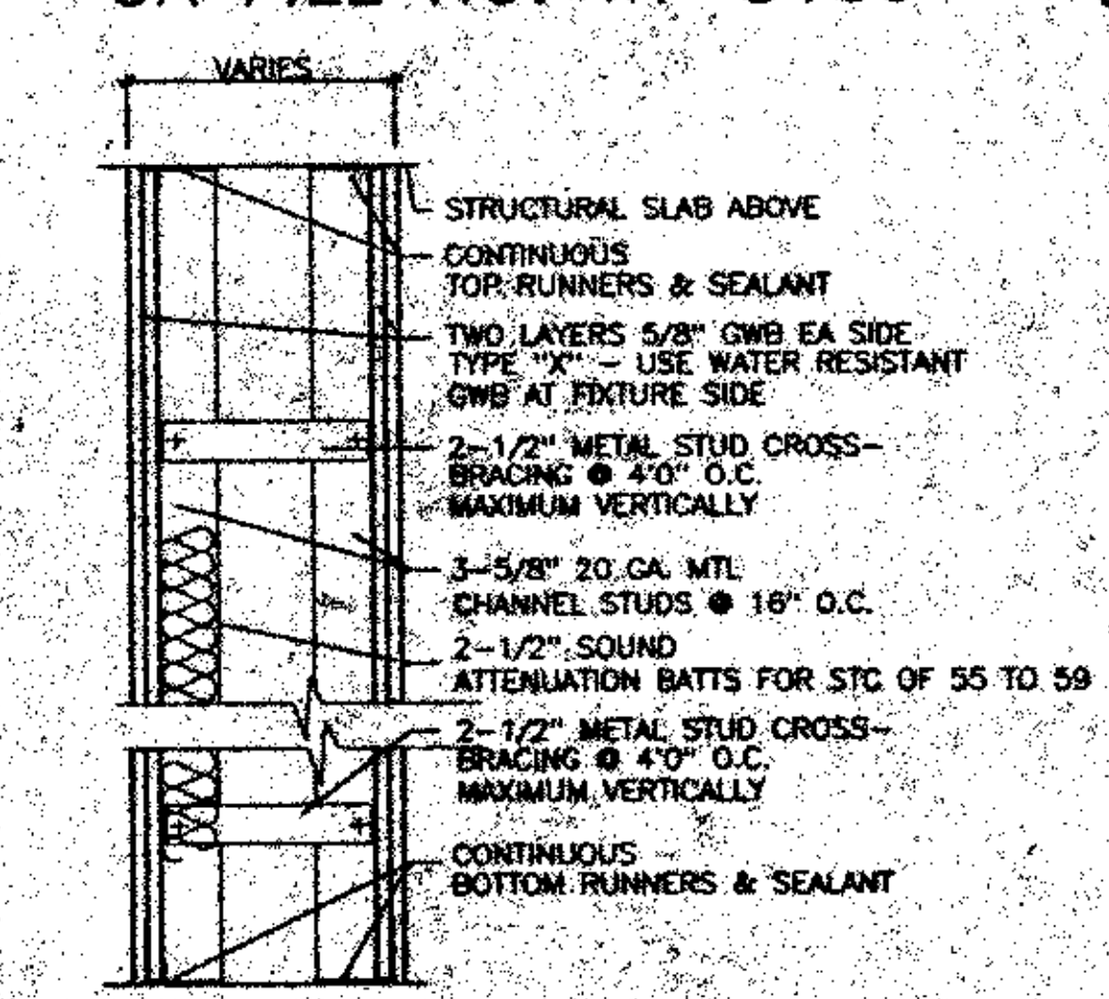


AT BEAM OFFSET (SIMILIAR TO WP 1711)

(2) TWO HOUR-RATED GWB PARTITION
2 HR RATED - USE TYPE "X" GWB AT EACH SIDE

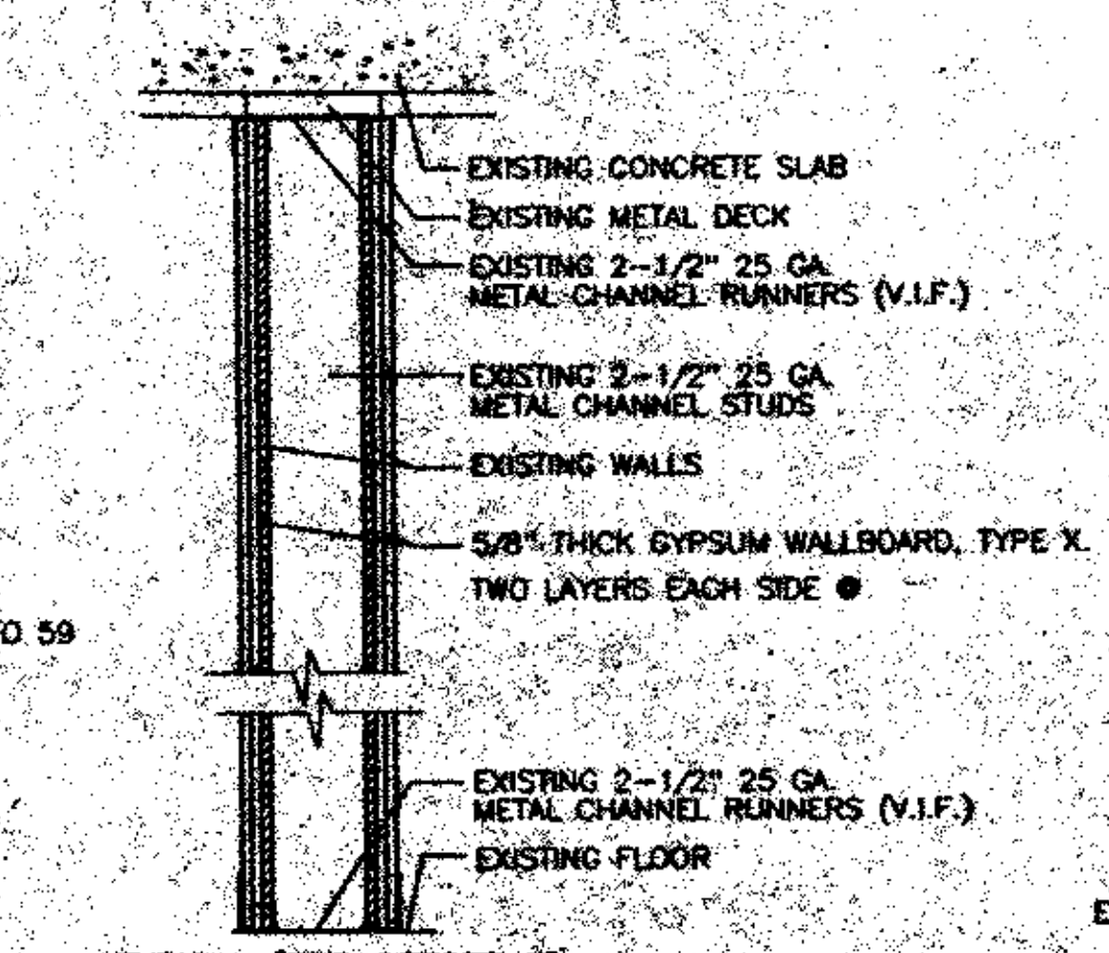
(2.1) 2 HR RATED - WITH TILE BACKER ON ONE SIDE

GA FILE NO. WP 5109



(2.2) CHASE WALL
2 HR RATED - W/ TILE BACKER BOARD @ ONE SIDE

GA FILE NO. WP 5109

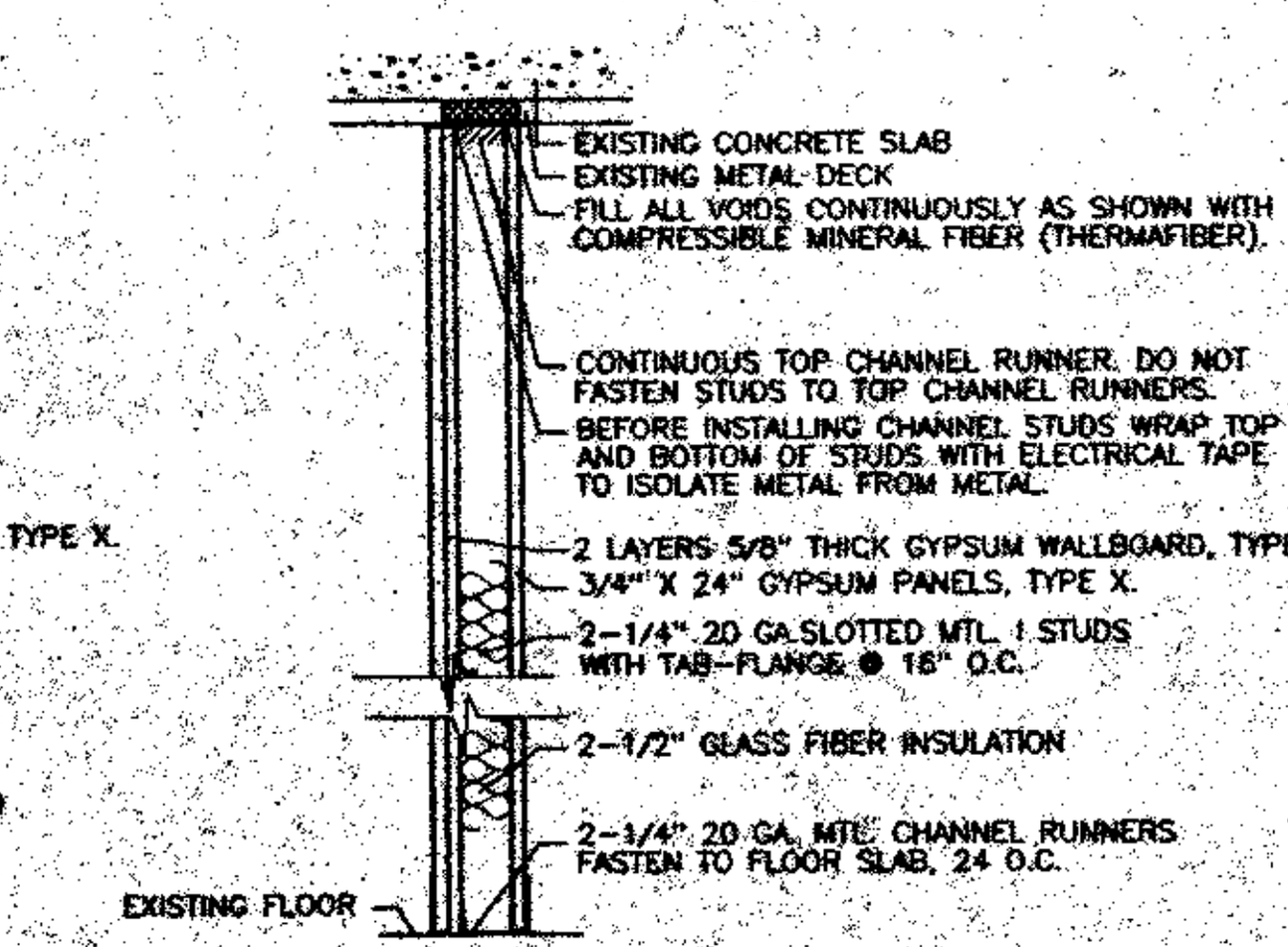


TYPICAL (FOR OFFSET AT BEAM SEE PARTITION TYPE (2))

(2.3) MODIFIED EXISTING PARTITION
2 HR RATED - USE 2 LAYERS TYPE "X" GWB AT EACH SIDE

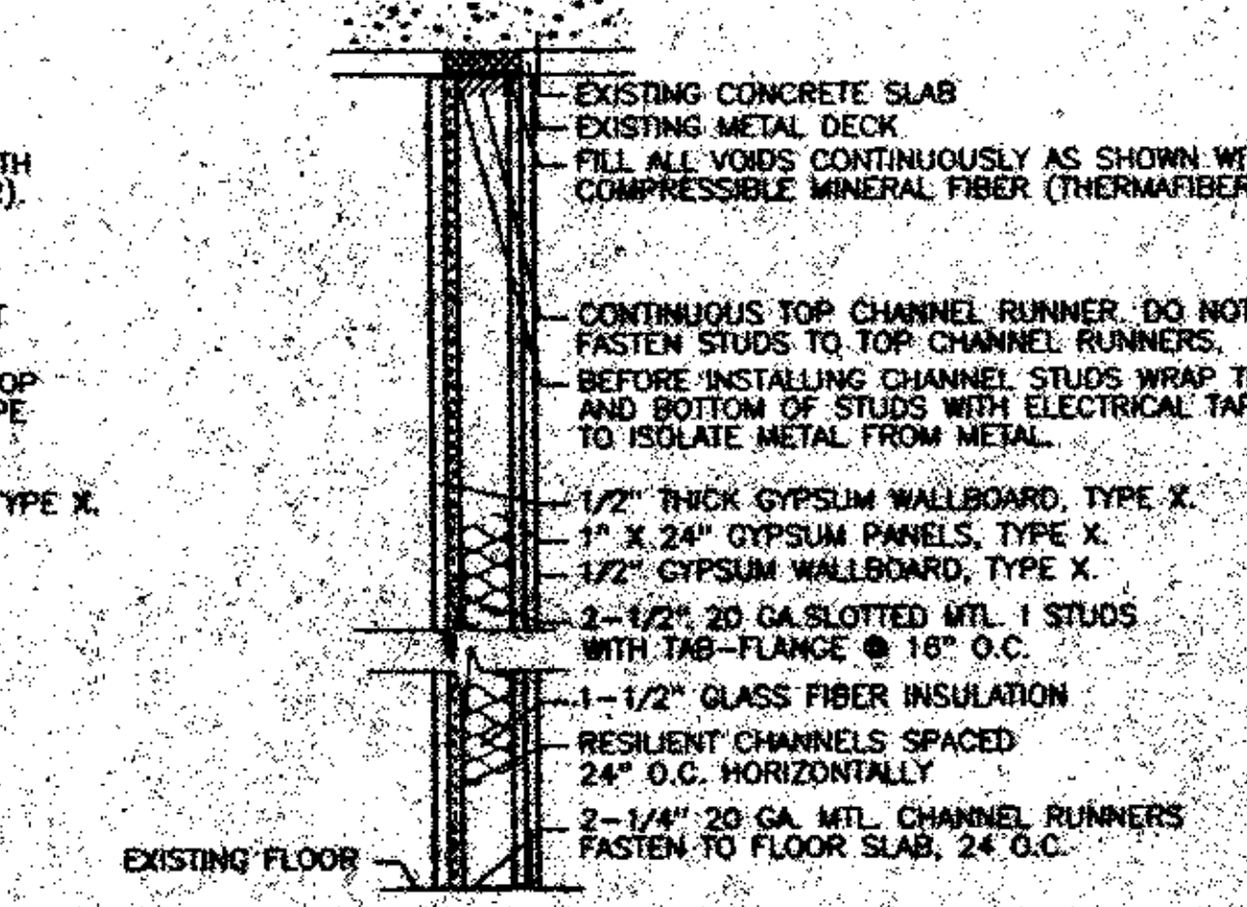
(2.4) 2 HR RATED - USE 2 LAYERS TYPE "X" GWB AT EACH SIDE W/ TILE BACKER BOARD @ ONE SIDE

GA FILE NO. WP7055



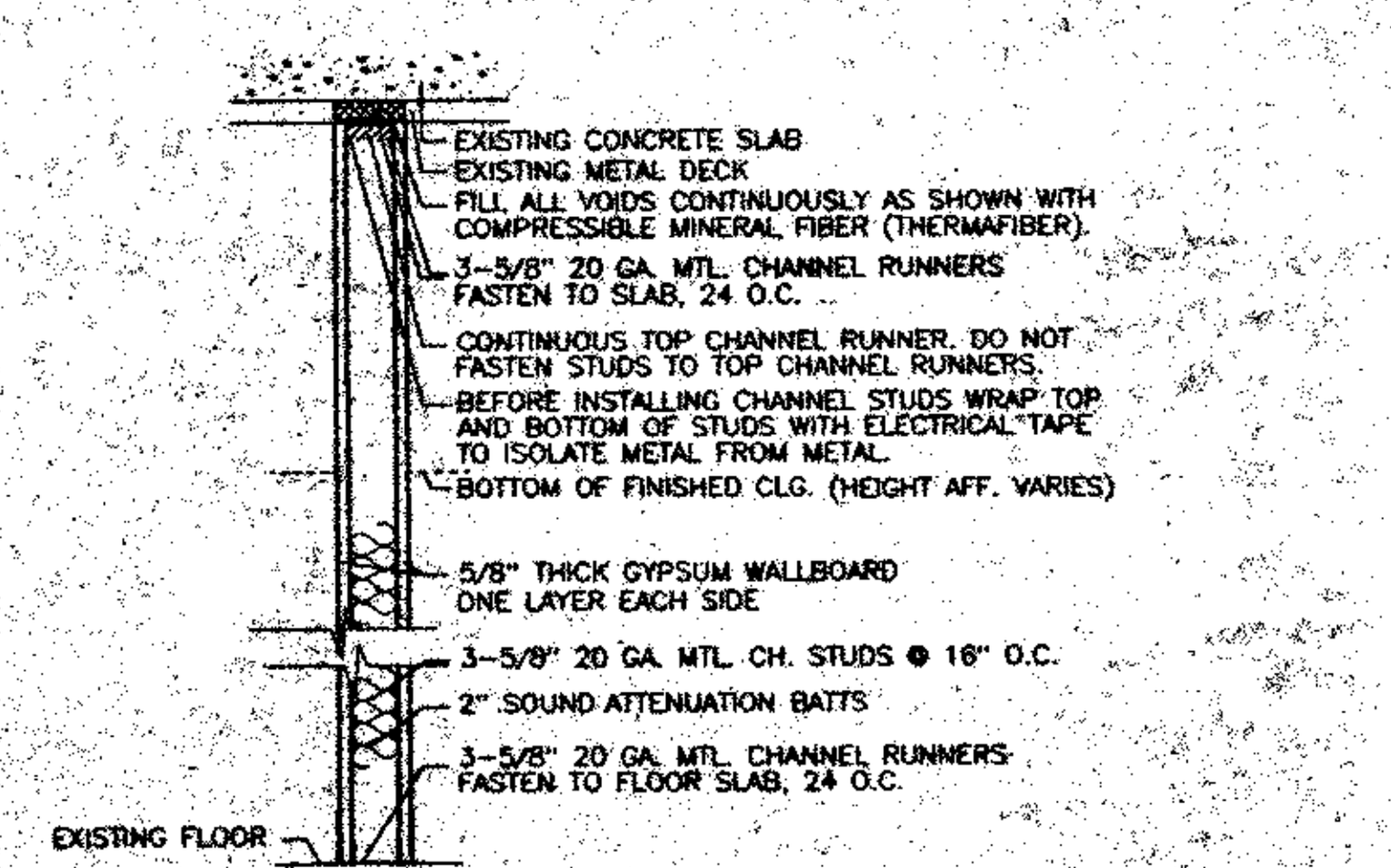
(2.5) SHAFT WALL
2 HR RATED

GA FILE NO. WP7062

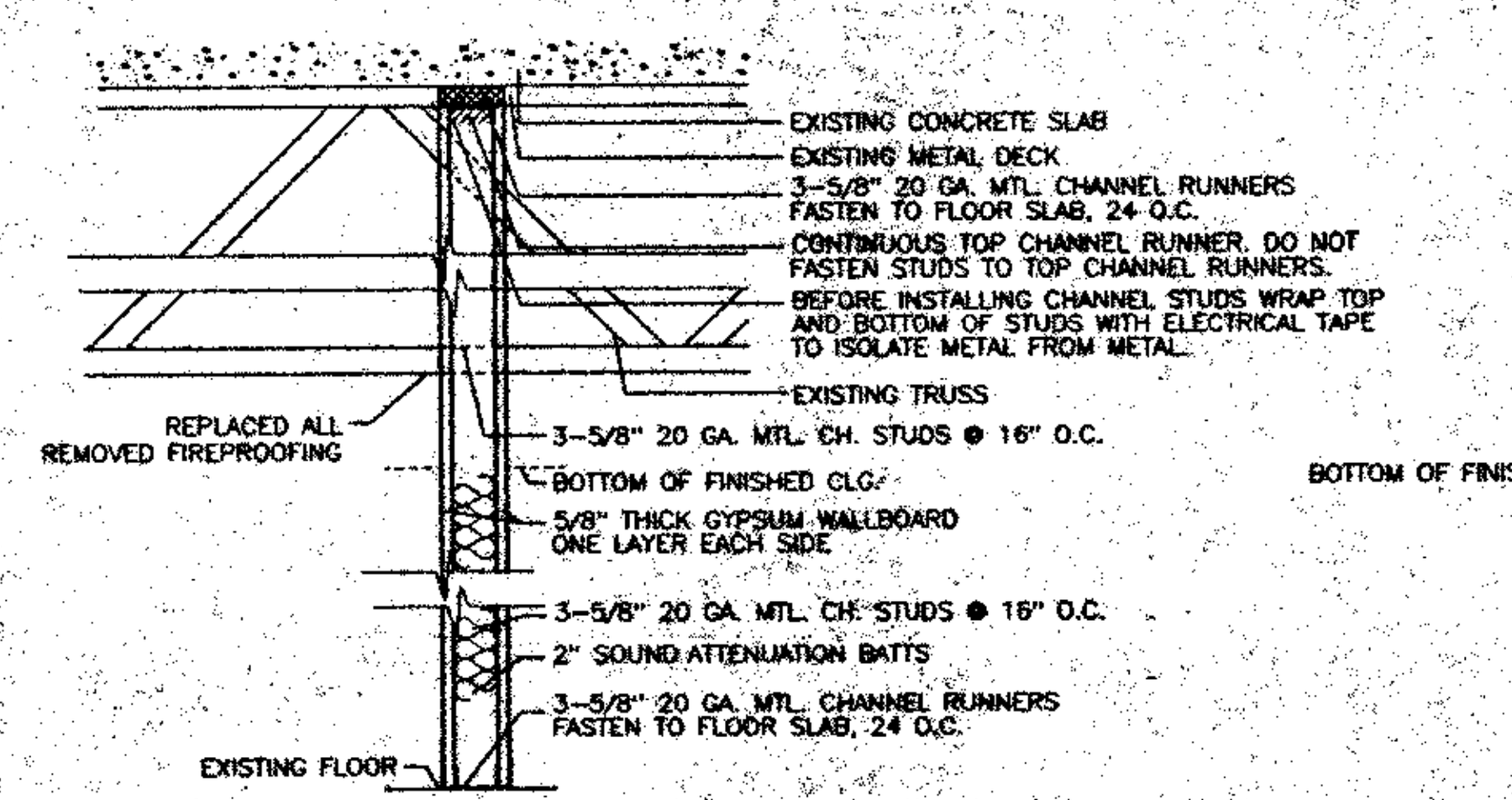


(2.6) SHAFT WALL
2 HR RATED

NON-RATED PARTITIONS



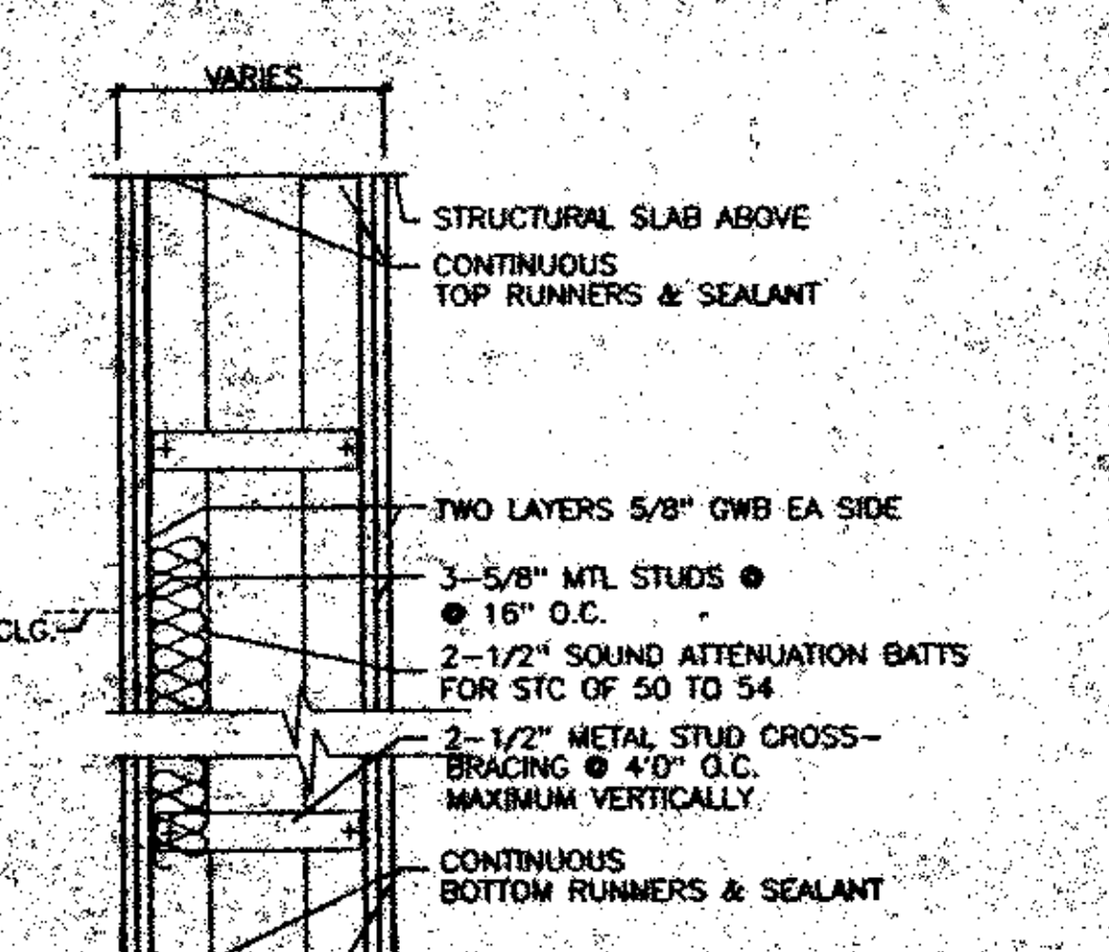
TYPICAL



AT BEAM OFFSET

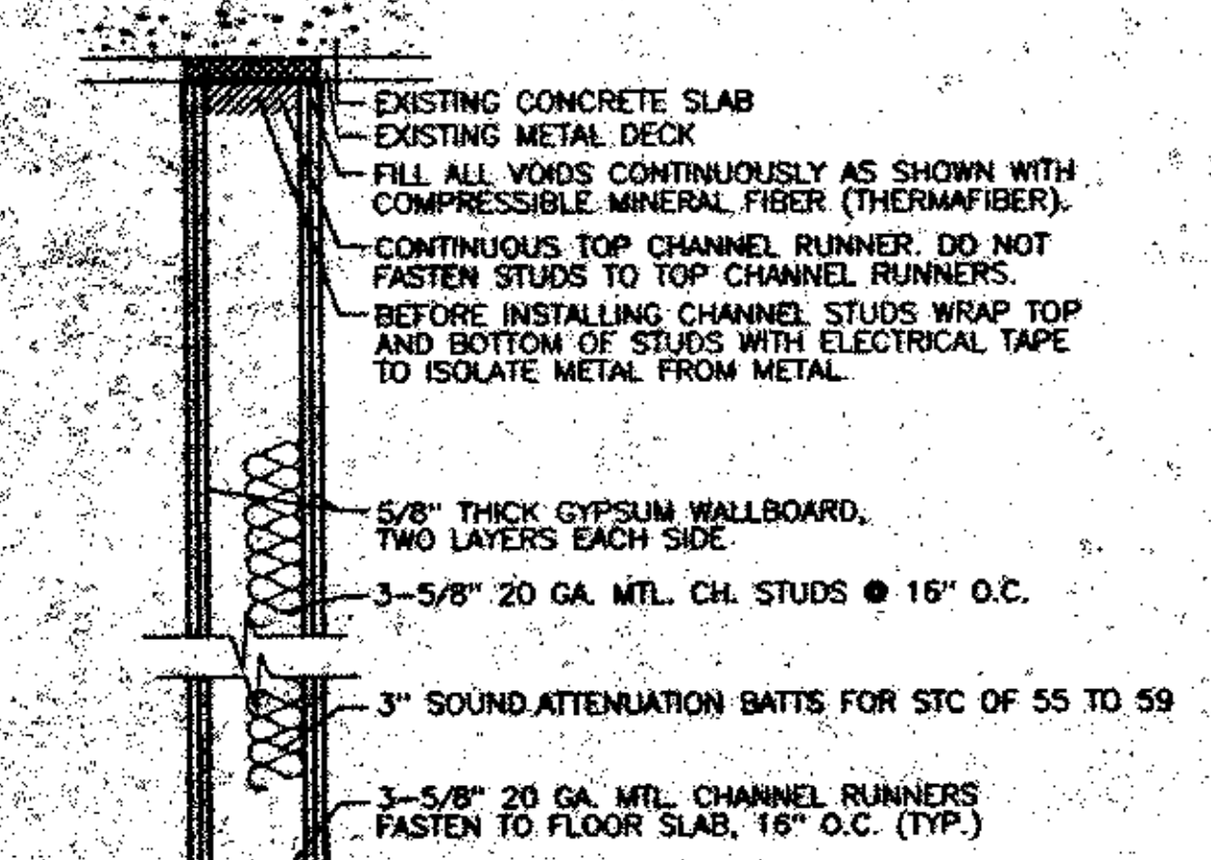
(3) NON-RATED GWB PARTITION
NON-RATED

(3.1) WITH TILE BACKER BOARD @ ONE SIDE



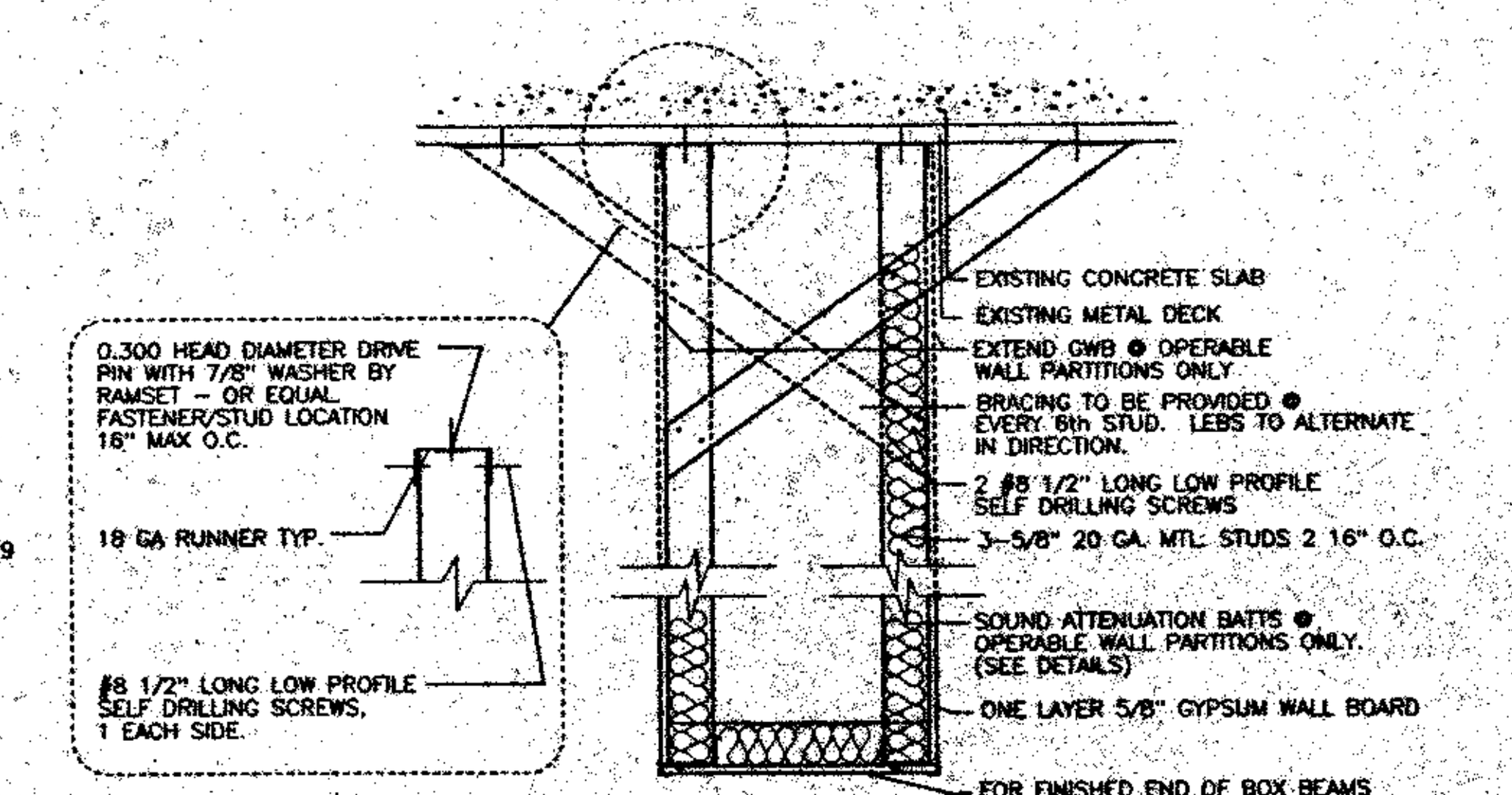
(3.2) NON-RATED CHASE WALL
NON-RATED

(3.3) WITH TILE BACKER BOARD @ ONE SIDE



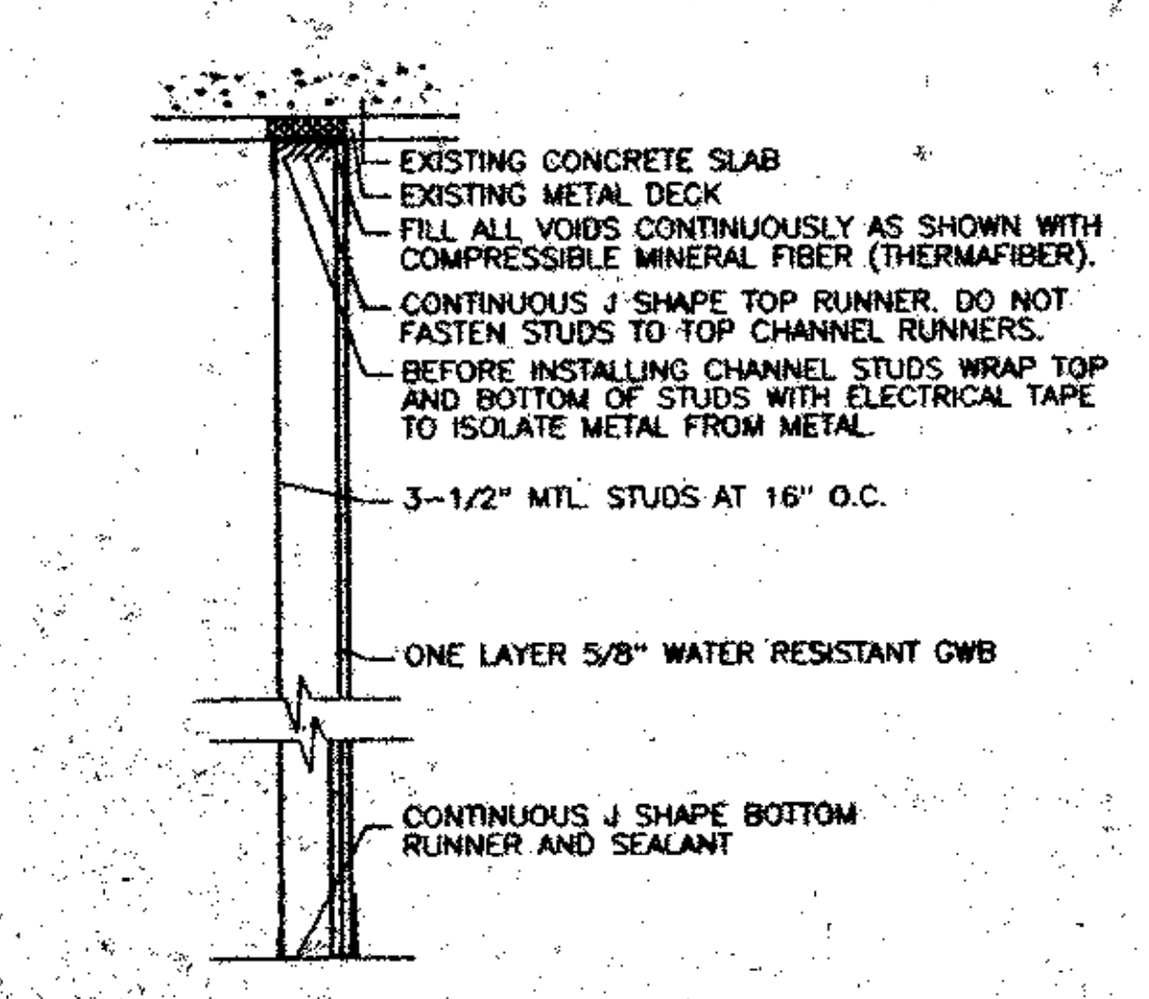
(3.4) NON-RATED GWB PARTITION
NON-RATED

(3.5) WITH TILE BACKER BOARD @ ONE SIDE



(A) BOX BEAMS
N.T.S.

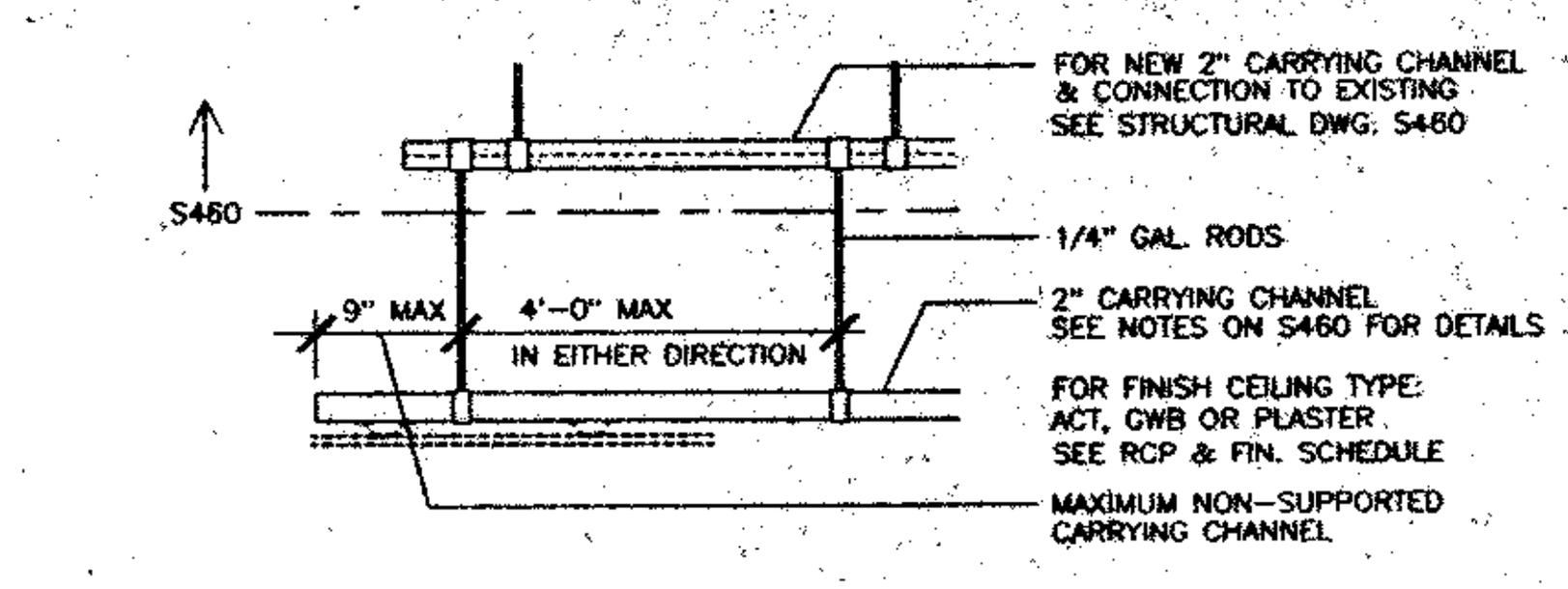
NON-RATED PARTITION



(4) FURRED GWB

GENERAL NOTES:

1.) IN ALL RATED WALLS - DO NOT SECURE GYP. BD. TO TOP CHANNEL RUNNER.
2.) FOR WALL FINISHES SEE FINISH SCHEDULE
3.) FOR WALL BASE TYPE SEE FINISH SCHEDULE
4.) AT WALL MOUNTED MILLWORK LOCATIONS ON BOTH FLOORS 106 AND 107, MISCELLANEOUS STEEL FLOOR TO UNDERSIDE OF DECK STEEL SUPPORT FRAMING AND ACCESSORIES WILL BE REQUIRED. SUCH FRAMING WILL BE PART OF PROCCEEDING ARCHITECTURAL PACKAGES AND SHOULD BE CONSIDERED IN LAYOUT PACKAGE. DD ADDENDUM SKETCHES CONTAIN DIAGRAMATIC LAYOUTS OF THESE UNITS.
5.) FOR GENERAL IN-WALL BLOCKING AND SUPPORT SEE SPECS OR PROVIDE AS REQUIRED. COORDINATE WITH ARCHITECURAL OR MILLWORK REQUIREMENTS.
6.) ALL NOTED RATED WALL ASSEMBLIES ARE BASED ON GYPSUM ASSOCIATION GA-600 DESIGN MANUAL AND UNDERWRITER LABORATORIES FIRE RESISTANT DIRECTORY.
7.) CONTRACTOR TO VERIFY ALL EXISTING PARTITION TYPES NOTED FOR NEW FIRE RATING UPGRADING.
8.) AT ALL EXISTING WALLS TO BE ALTERED/UPGRADED, ALL EXISTING FINISH MATERIALS ARE TO BE DEMOLISHED. EXISTING GYBSUM WALL BOARD IS TO BE PREPARED FOR FLUSH INSTALLATION OF NEW FIRE RATED GWB SO THAT ASSEMBLY COMPLIES WITH NOTED DESIGN CRITERIA. THE INTEGRITY OF THE EXISTING WALL IS NOT TO BE COMPROMISED WHILE ATTACHING NEW GWB. ALL PENETRATIONS ARE TO BE AT STUDS, EXISTING GWB IS NOT TO BE PENETRATED WHERE NO STUD EXISTS BEHIND IT.
9.) ALL GYP. BOARD IS TO CONTINUE TO UNDERSIDE OF CONCRETE SLAB.
10.) THE DRAFT CURTAIN, WHICH SHALL BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL, SHALL EXTEND A MINIMUN OF 24" DOWN FROM THE CEILING. SEE CODE SECTION 27-345, TABLE 5-1 AND 5-2 FOOTNOTE D(2).



(B) CEILING DETAIL
N.T.S.

DETAILS

RECEIVED
OCT 1 1 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 35TH FLOOR WEST
NEW YORK, NEW YORK 10048

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186 5TH AVENUE
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ARCHITECT:
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A/V ACOUSTICS:
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LIGHTING:
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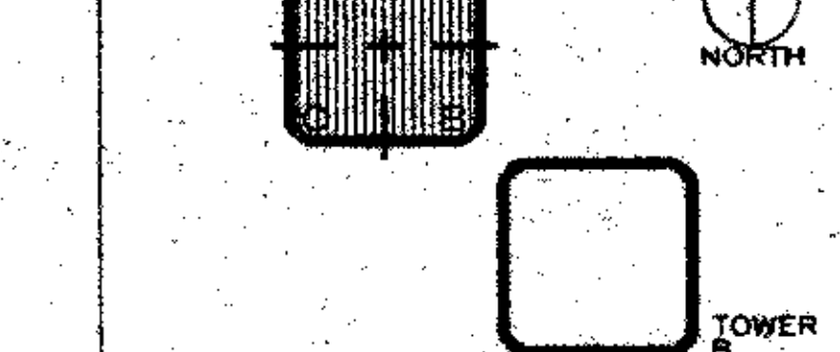
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEIBOWITZ, P.C.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018



NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/22/95	PA QUERIES/REVISIONS
2	6/9/95	PA QUERIES/REVISIONS
3	7/31/95	GENERAL REVISIONS
4	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
PARTITION TYPES

HHPA PROJECT NO. 5466.03
DATE: APRIL 24, 1995
SCALE: N.T.S.
DRAWING NO. A700

TAA 951114.07

RECEIVED
OCT 11 1995
HARDY HOLZMAN PFEIFFER ASSOCIATES
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
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NEW YORK, NEW YORK 10017

CODES/ ACA
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NEW YORK, NEW YORK 10017

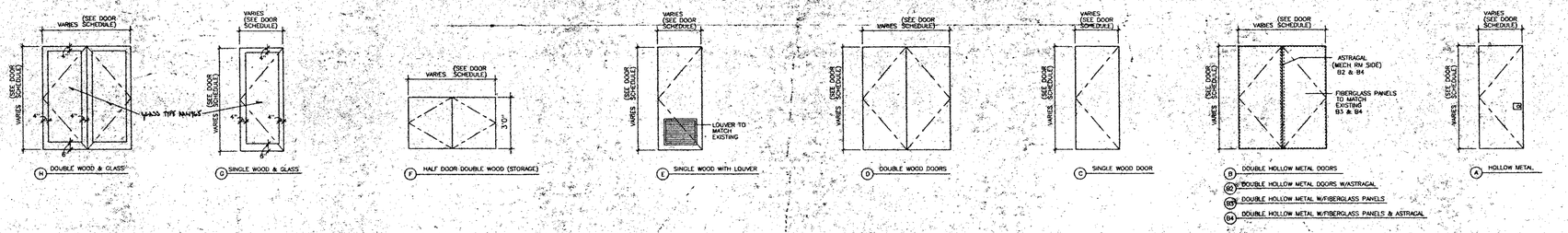
NO.	DATE	REVISIONS
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	7/31/95	PA COMMENTS
2	10/9/95	ISSUED FOR CONSTRUCTION

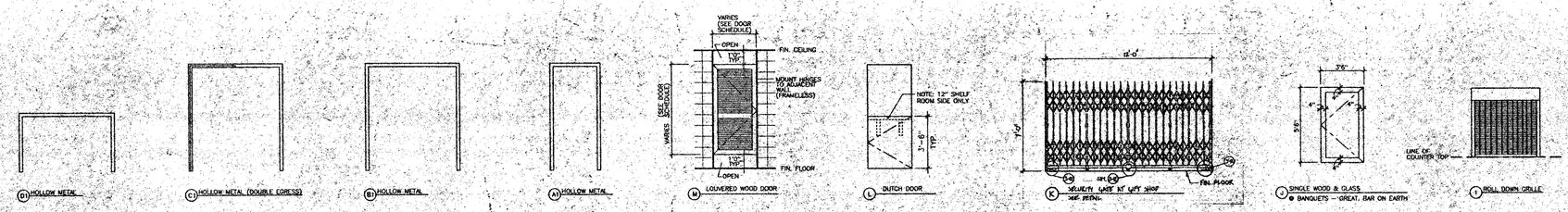
TITLE
MISCELLANEOUS CEILING DETAILS

HHPA PROJECT NO. 5480.03
DRAWING NO.
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"
A700A

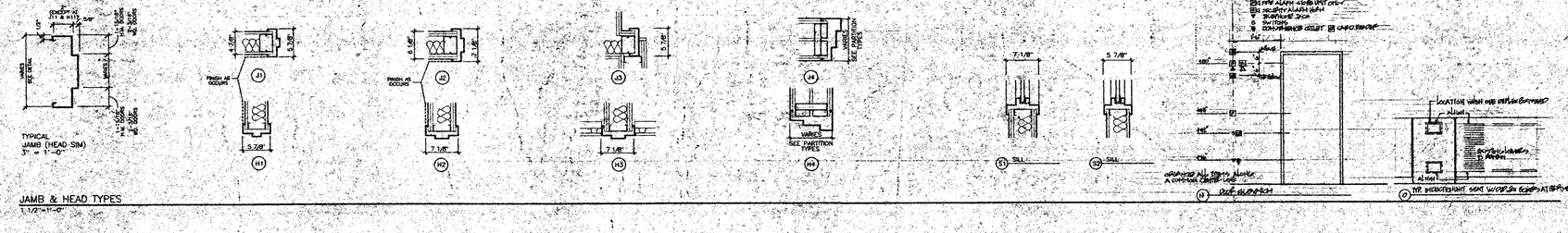
TA 951114.07

DOOR TYPES



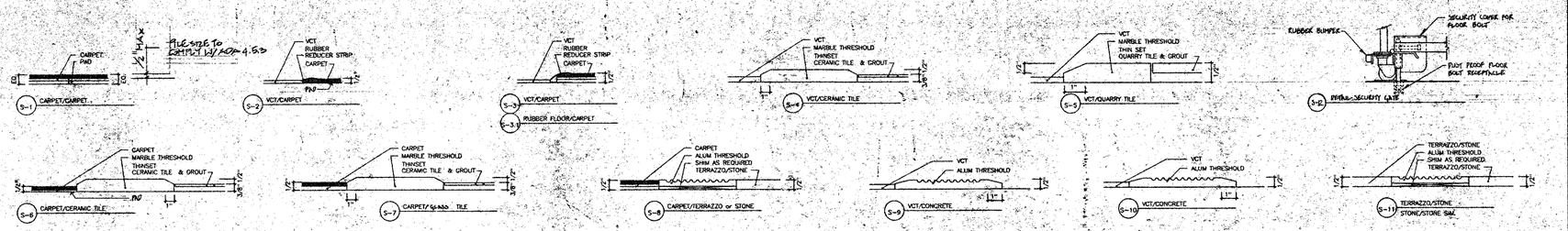


DOOR FRAME TYPES



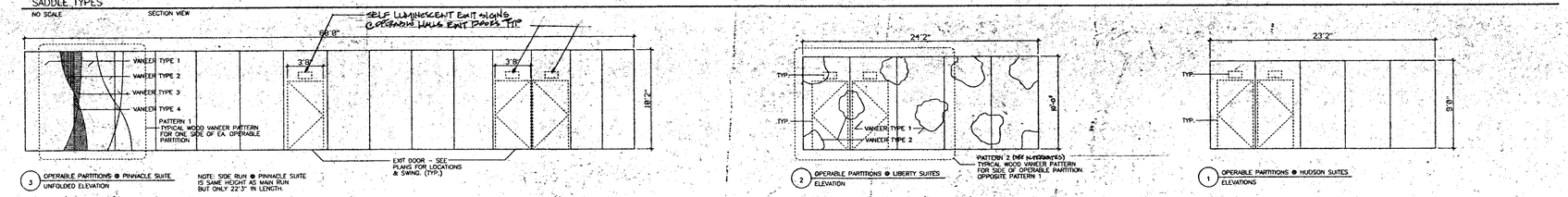
JAMB & HEAD TYPES

1 1/2"=1'-0"



SADDLE TYPES

NO SCALE



OPERABLE PARTITIONS

1/4"=1'0" ELEVATION

JUN 0 9 1995
PLOTTED

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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KITCHEN PLANNING:
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101 MERCER STREET
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A/V ACOUSTICS:
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119 WEST 57TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
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70 EAST 55TH STREET
NEW YORK, NEW YORK 10018

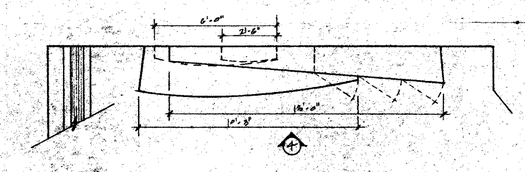
BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	5/9/95	PA QUERIES/REVISIONS
2	10/4/95	ISSUED FOR CONSTRUCTION

TITLE: DOOR TYPES 106th & 107th FLOORS

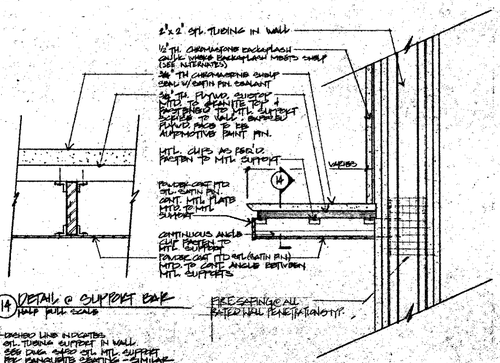
HHPA PROJECT NO. 5466.03
DRAWING NO. A702
DATE: JUNE 5, 1995
SCALE: VARIES

TAA 951114.07

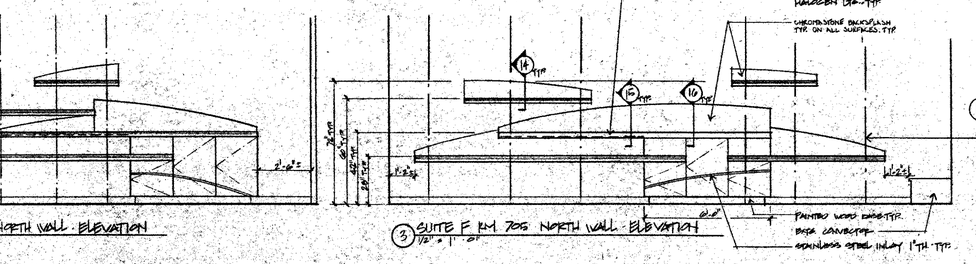


2 SUITE A RM. 809 NORTH WALL - PLAN VIEW
1/2" = 1'-0"

1 SUITE F RM. 705 NORTH WALL - PLAN VIEW
1/2" = 1'-0"

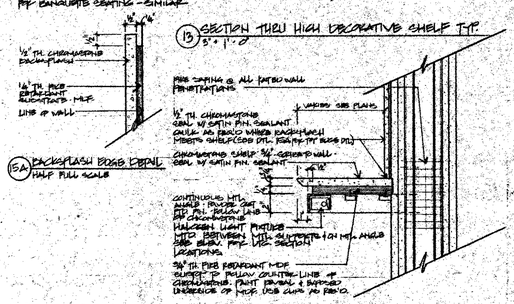


14 DETAIL @ SUPPORT BAR
HALF FULL SCALE



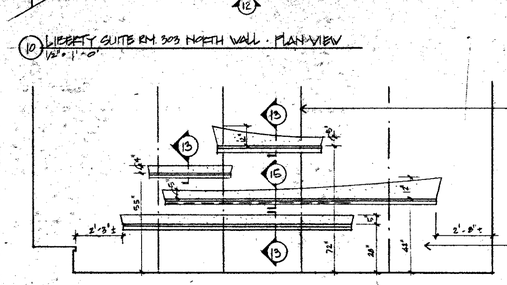
3 SUITE F RM. 705 NORTH WALL - ELEVATION
1/2" = 1'-0"

4 SUITE A RM. 809 NORTH WALL - ELEVATION
1/2" = 1'-0"

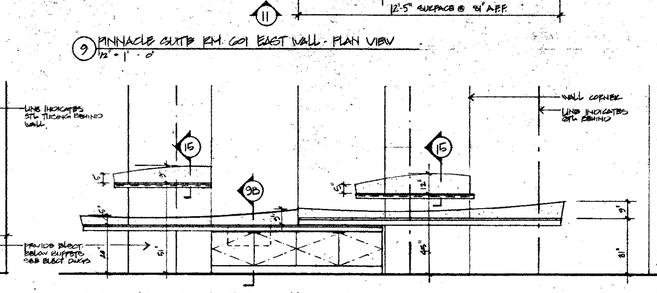


15A BACKSPLASH BOSB DETAIL
HALF FULL SCALE

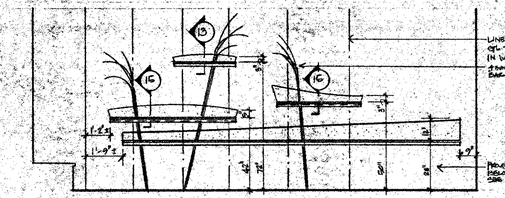
13 SECTION THRU HIGH DECORATIVE SHELF TYP.
3/4" = 1'-0"



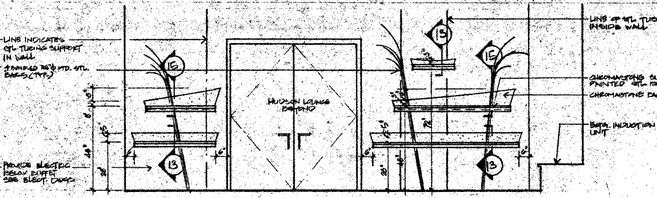
16 HUDSON SUITE RM. 311 NORTH WALL - PLAN VIEW
1/2" = 1'-0"



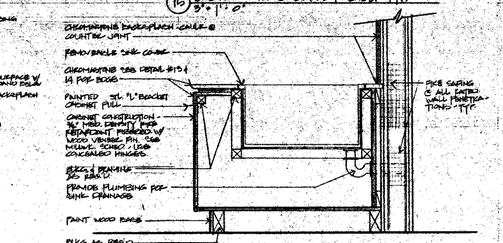
5 HUDSON SUITE RM. 309 SOUTH WALL - PLAN VIEW
1/2" = 1'-0"



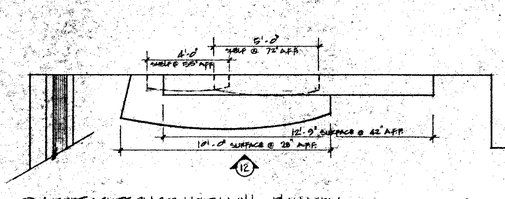
8 HUDSON SUITE RM. 311 NORTH WALL - ELEVATION
1/2" = 1'-0"



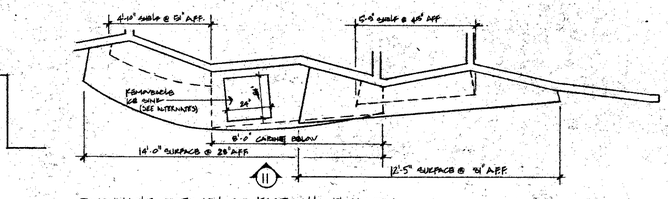
7 HUDSON SUITE RM. 309 SOUTH WALL - ELEVATION
1/2" = 1'-0"



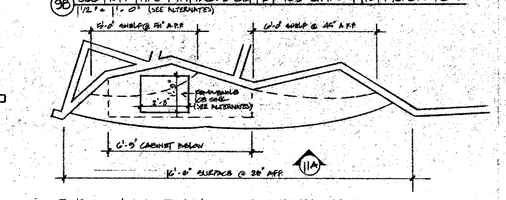
15 SECTION THRU BUFFET SHELF TYP.
3/4" = 1'-0"



10 LIBERTY SUITE RM. 303 NORTH WALL - PLAN VIEW
1/2" = 1'-0"



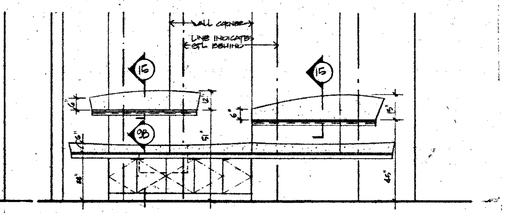
9 PINNACLE SUITE RM. 601 EAST WALL - PLAN VIEW
1/2" = 1'-0"



9A PINNACLE SUITE RM. 600 - SOUTH WALL - PLAN VIEW
1/2" = 1'-0"

12 LIBERTY SUITE RM. 303 NORTH WALL - ELEVATION
1/2" = 1'-0"

11 PINNACLE SUITE RM. 601 EAST WALL - ELEVATION
1/2" = 1'-0"



11A PINNACLE SUITE RM. 600 SOUTH WALL - ELEVATION
1/2" = 1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES

HARDY HOLZMAN PFEIFFER ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

LANDLORD:
PORT AUTHORITY OF N.Y. & N.J.
WORLD TRADE DEPARTMENT, 1 WORLD TRADE CENTER
NEW YORK, NEW YORK 10048

OPERATOR:
D.C. WINDOWS CORPORATION
100 CHURCH ST.
NEW YORK, NEW YORK 10013

ARCHITECT:
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1011 THIRD AVENUE
NEW YORK, NEW YORK 10065

A/V ACOUSTICS:
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6 EAST 39th STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLAIRE PEDERSON ASSOCIATES LIGHTING
NEW YORK, NEW YORK 10016

CODES/ADA:
DAVID E. LEBOWICH, P.E.
41 E. 11th STREET
NEW YORK, NEW YORK 10003

BLDG. A B C D
NORTH
BLDG.

NO.: DATE: REVISIONS:

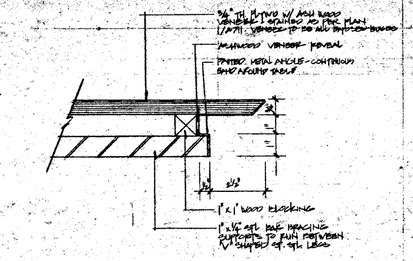
CONSTRUCTION DOCUMENTATION SUBMISSION:
1 10/9/95 ISSUED FOR CONSTRUCTION

TITLE: 106 AND 107
MILLWORK
BUILT-IN BUFFETS
PLANS - SECTIONS - DETAILS

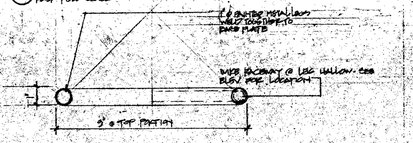
HHPA PROJECT NO. 9466.03
DRAWING NO. 914
DATE: 7/31/95
SCALE AS NOTED
A710

TAA 951114.07

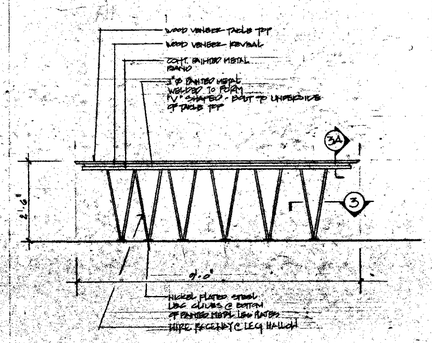
A710



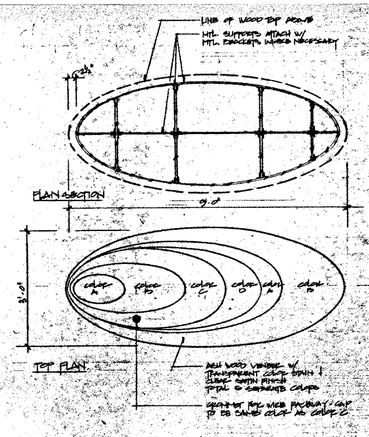
3A DETAIL OF RECEPTION DESK TABLE BASE
HALF FULL SCALE



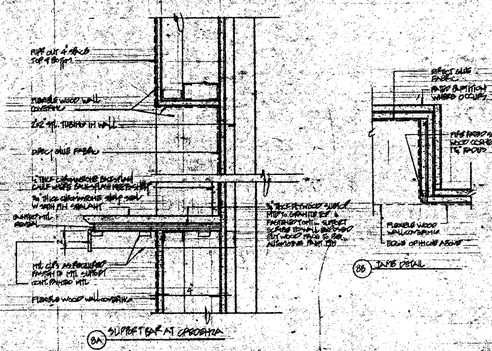
3 PLAN SECTION OF TABLE LEG
HALF FULL SCALE



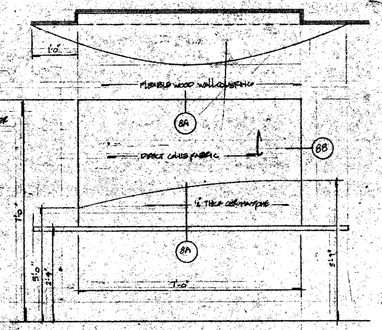
2 ELEVATION - 106th FLR. ARRIVAL RECEPTION DESK (SEE ALTERNATES)
3/4" = 1'-0"



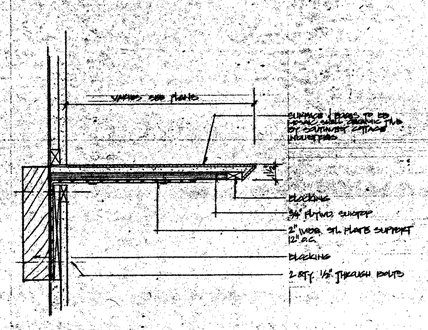
1 PLAN DETAIL - 106th FLR. ARRIVAL RECEPTION DESK
3/4" = 1'-0"



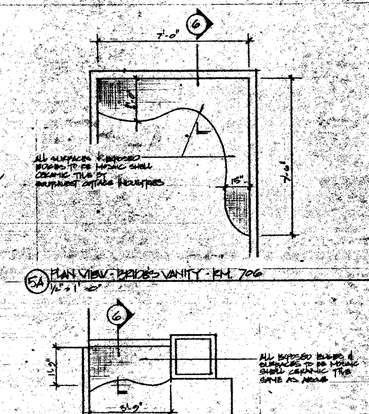
8 DETAILS CREDENZA - HUDSON PERFUNCTION



7 ELEVATION CREDENZA - HUDSON PERFUNCTION



6 SECTION @ BRIDES VANITY RMS 706 & 707
3/4" = 1'-0"



5A PLAN VIEW - BRIDE'S VANITY - RM. 706
1/2" = 1'-0"

5 PLAN VIEW - BRIDE'S BATHTUB VANITY - RM. 707
1/2" = 1'-0"

FOR 107TH FLR. REFERENCE ONLY DETAIL 6

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE CENTER - 66TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
NEW JERSEY, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
NEW YORK, NEW YORK 10016

M.E.P. ENGINEER:
ALTIERI SEBOR WIEBER
MICHAEL SEBOR, P.E. OSSEO

STRUCTURAL ENGINEER:
LEON S. R. ROBERTSON ASSOCIATES
NEW YORK, NEW YORK 10017

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CINI-LITTLE INTERNATIONAL, INC.
NEW YORK, NEW YORK 10165

AAV ACOUSTICS:
AVES HOLDEN WEILER
NEW YORK, NEW YORK 10019

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
NEW YORK, NEW YORK 10010

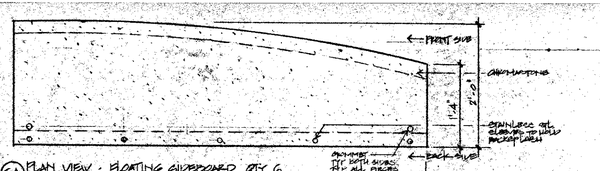
CODES BY:
DAVID A. SCHWARTZ P.E.
NEW YORK, NEW YORK 10019

BLDG. BLDG.

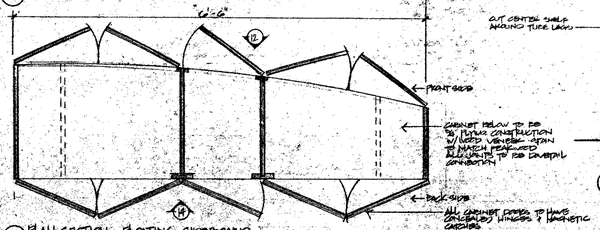
NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 9/1/95 ISSUED FOR CONSTRUCTION

TITLE:
106TH FLOOR MILLWORK
PLANS - SECTIONS - DETAILS
HHPA PROJECT NO. 9402.03
DRAWING NO. A711
DATED: 7/31/95
SCALE: AS NOTED

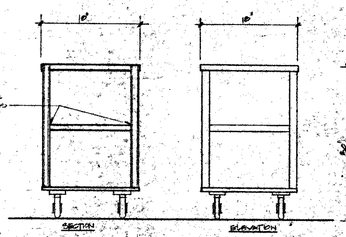
TA 95114.07



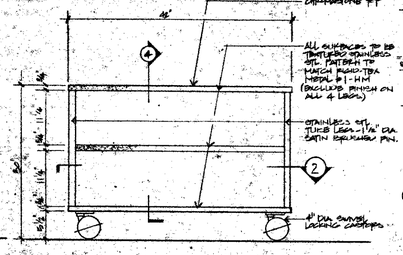
6A PLAN VIEW · FLOATING SIDEBOARD QTY. 6
1/2" = 1'-0"



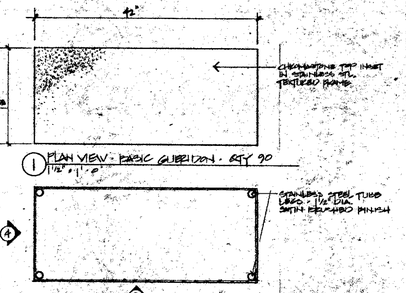
5 PLAN SECTION · FLOATING SIDEBOARD
1/2" = 1'-0"



4 SECTION + ELEVATION OF BASIC CUBICDON TYP.
1/2" = 1'-0"

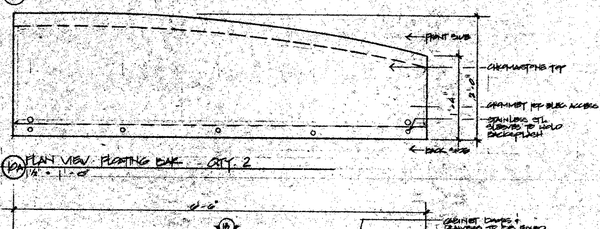


3 ELEVATION · BASIC CUBICDON · TYP.
1/2" = 1'-0"

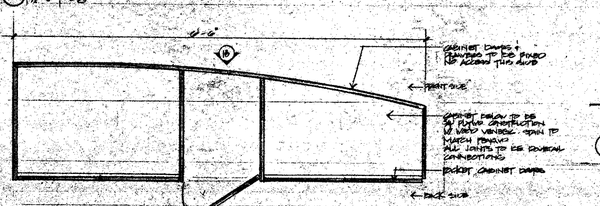


1 PLAN VIEW · BASIC CUBICDON · QTY 90
1/2" = 1'-0"

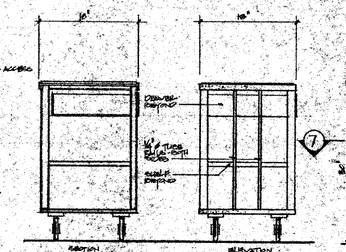
2 PLAN SECTION · BASIC CUBICDON
1/2" = 1'-0"



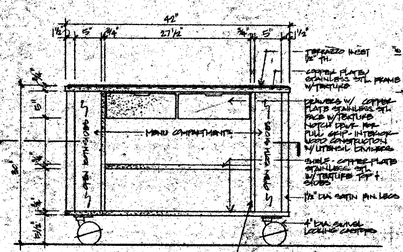
6A PLAN VIEW · FLOATING BAR QTY. 2
1/4" = 1'-0"



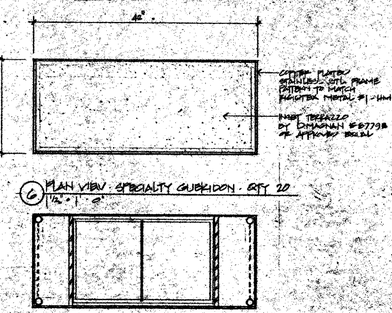
10 PLAN SECTION · FLOATING BAR
1/2" = 1'-0"



9 SECTION + ELEVATION OF SPECIALTY CUBICDON
1/2" = 1'-0"

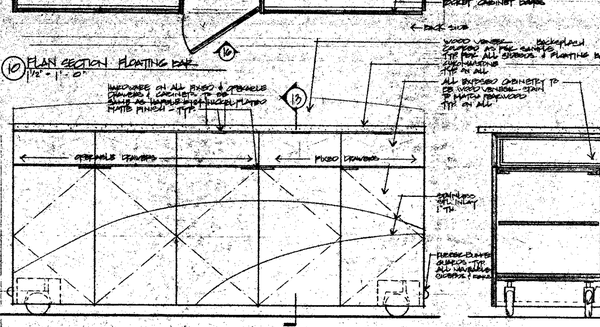


8 ELEVATION · SPECIALTY CUBICDON · TYP
1/2" = 1'-0"

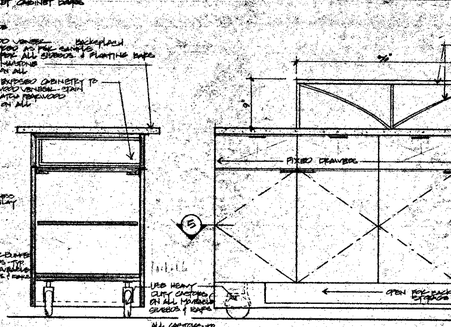


6 PLAN VIEW · SPECIALTY CUBICDON · QTY 20
1/2" = 1'-0"

7 PLAN SECTION · SPECIALTY CUBICDON
1/2" = 1'-0"

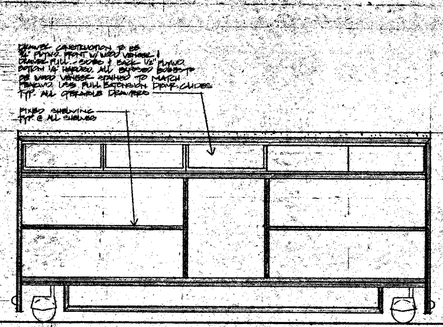


14 FRONT ELEVATION OF FLOATING SIDEBOARD
1/2" = 1'-0"

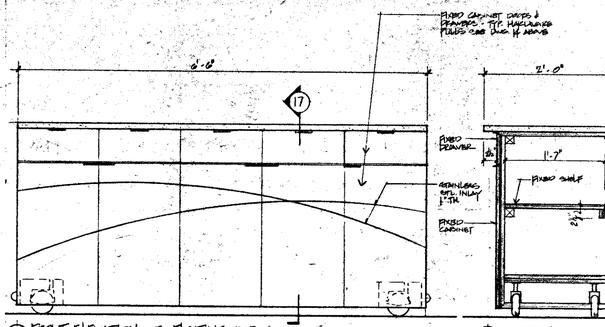


13 SECTION
1/2" = 1'-0"

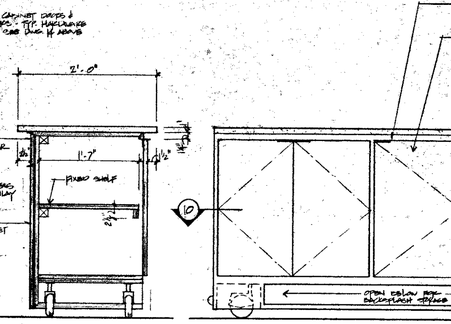
12 BACK ELEVATION OF FLOATING SIDEBOARD
1/2" = 1'-0"



11 SECTION THRU FLOATING SIDEBOARD
1/2" = 1'-0"

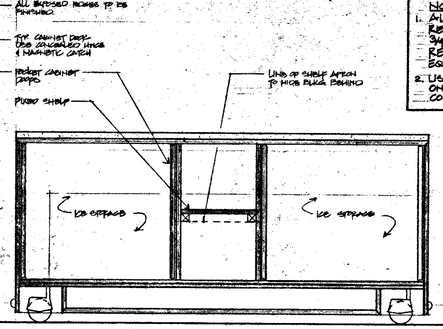


18 FRONT ELEVATION OF FLOATING BAR
1/2" = 1'-0"



17 SECTION
1/2" = 1'-0"

16 BACK ELEVATION OF FLOATING BAR
1/2" = 1'-0"



15 SECTION THRU FLOATING BAR
1/2" = 1'-0"

NOTE:
1. ALL MILLWORK THAT REQUIRES WOOD: USE 3/4" PLYWOOD FIRE RETARDANT OR APPROVED EQUAL
2. USE DOVETAIL JOINTS ON ALL PLYWOOD CONNECTIONS

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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CPM - VITA CONSULTATIONS, INC
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LIGHTING:
CLAIRE BETTINGER DESIGN LIGHTING
NEW YORK, NEW YORK 10010

CODES/ ADA:
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NEW YORK, NEW YORK 10018

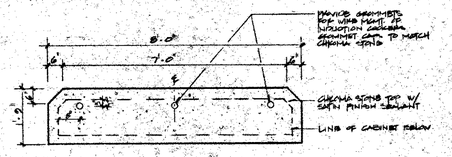
BLDG. A, B, C, D — NORTH — BLDG.

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
A 10/95 PERMIT FOR CONSTRUCTION

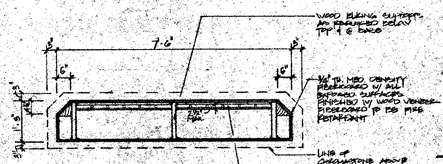
TITLE: 100 & 107 MILLWORK
SUBJECTIONS: FLOATING SIDEBOARDS - FLOATING BARS

HHPA PROJECT NO. 9468.03
DRAWING NO. A.712
DATE: 7/31/95
SCALE: AS NOTED

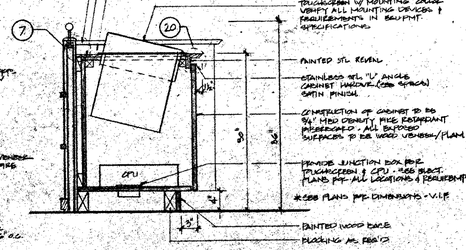
TA 95119.07



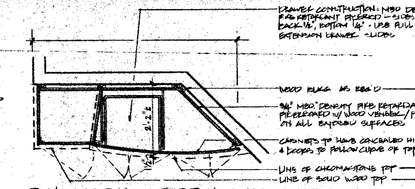
4 PLAN VIEW - HOT BUFFET @ WINDOWS AREA 007
3/4" = 1'-0"



4A PLAN SECTION - HOT BUFFET @ WINDOWS AREA 007
3/4" = 1'-0"

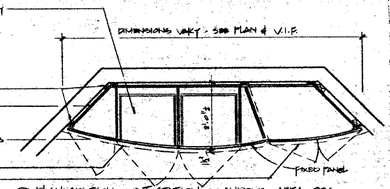


3 TYPICAL SECTION - WAIT STATIONS @ WINDOWS
1½" = 1'-0"



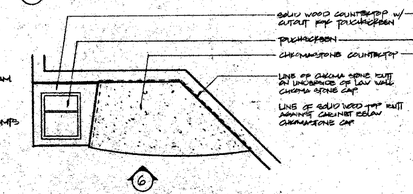
2 PLAN SECTION - WAIT STATION @ WINDOWS AREA 006
3/4" = 1'-0"

2A OPPOSITE HAND AREA 007



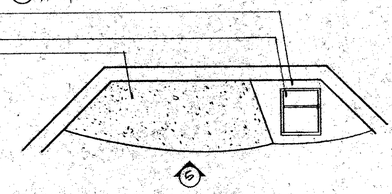
1 PLAN SECTION - WAIT STATION @ WINDOWS AREA 006
3/4" = 1'-0"

1A OPPOSITE HAND AREA 012



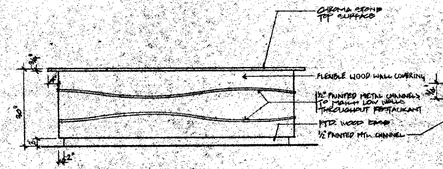
2D PLAN VIEW - WAIT STATION @ WINDOWS AREA 006
3/4" = 1'-0"

2C OPPOSITE HAND AREA 007

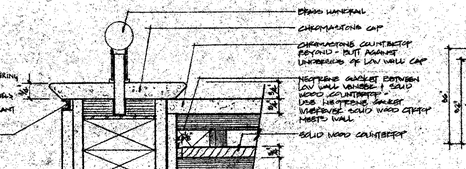


1D PLAN VIEW - WAIT STATION @ WINDOWS AREA 006
3/4" = 1'-0"

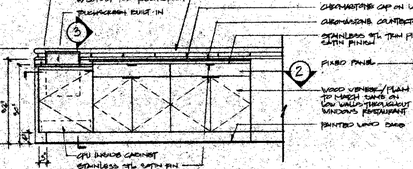
1C OPPOSITE HAND AREA 012



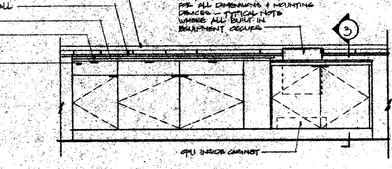
8 FRONT ELEVATION - HOT BUFFET @ WINDOWS AREA 007
3/4" = 1'-0"



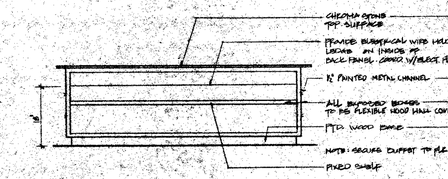
7 DETAIL WHERE CHROMASTONE MEETS LOW WALL
HALF FULL



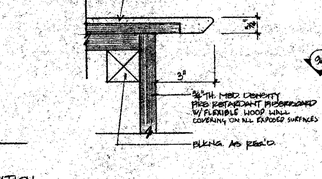
6 ELEVATION - WAIT STATION @ WINDOWS
3/4" = 1'-0"



5 ELEVATION - WAIT STATION @ WINDOWS
3/4" = 1'-0"

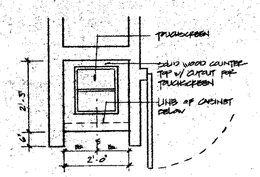


13 BACK ELEVATION - HOT BUFFET @ WINDOWS AREA 007
3/4" = 1'-0"

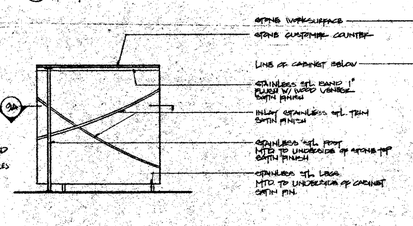


12 SIDE ELEVATION
HOT BUFFET AREA 007
3/4" = 1'-0"

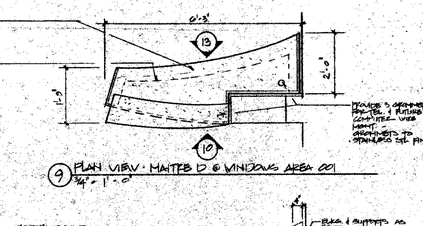
11 EDGE DETAIL @ HOT BUFFET
HALF FULL



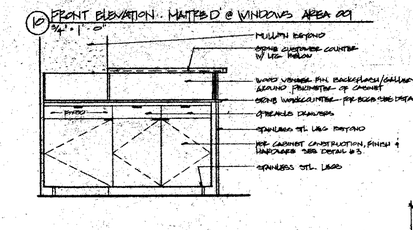
14 PLAN - P.O.S. @ WINDOWS AREA 002A
3/4" = 1'-0"



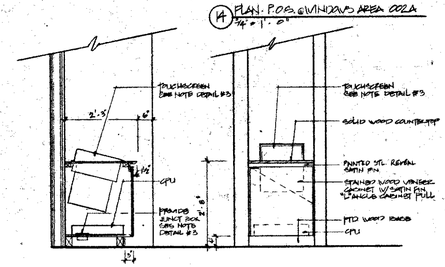
10 PLAN VIEW - MAITRE D' @ WINDOWS AREA 001
3/4" = 1'-0"



9 PLAN VIEW - MAITRE D' @ WINDOWS AREA 001
3/4" = 1'-0"

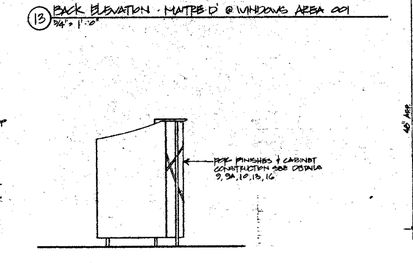


20 EDGE DETAIL FOR WAIT STATIONS & P.O.S. - WINDOWS
HALF FULL

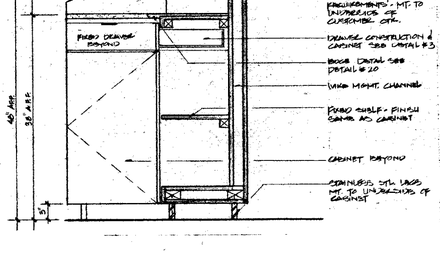


19 SECTION P.O.S. @ WINDOWS
3/4" = 1'-0"

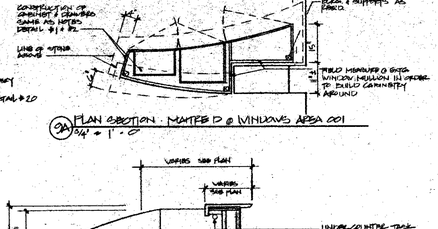
18 ELEV. - P.O.S. @ WINDOWS AREA 002A
3/4" = 1'-0"



17 SIDE ELEVATION - MAITRE D' @ WINDOWS AREA 001
3/4" = 1'-0"



16 SECTION - MAITRE D' @ WINDOWS AREA 001
1½" = 1'-0"



3A PLAN SECTION - MAITRE D' @ WINDOWS AREA 001
3/4" = 1'-0"

13 BACK ELEVATION - MAITRE D' @ WINDOWS AREA 001
3/4" = 1'-0"

16 SECTION - MAITRE D' @ WINDOWS AREA 001
1½" = 1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF N.Y. & N.J.
WORLD TRADE DEPARTMENT
WORLD TRADE CENTER - 107th FLOOR WEST
NEW YORK, NEW YORK 10048

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ARCHITECT:
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NEW YORK, NEW YORK 10018

A/V ACOUSTICS:
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LIGHTING:
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NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIEBERMAN, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

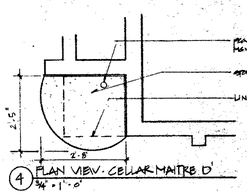
BLDG A · BLDG B · BLDG C · BLDG D · NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/4/95 ISSUED FOR CONSTRUCTION

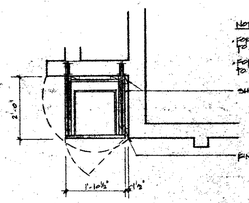
TITLE: 107 FLOOR QUADRANT A MILLWORK DETAILS

HHPA PROJECT NO. 5486.03 DRAWING NO.
DATE: 7/11/95
SCALE: AS NOTED
A713

TAA 95111407

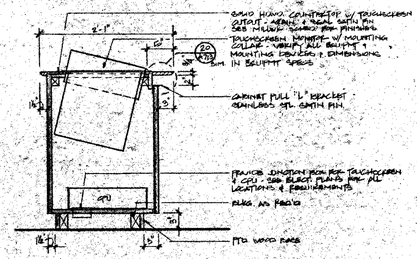


4 PLAN VIEW · CELLAR MAITRE D'
3/4" = 1'-0"

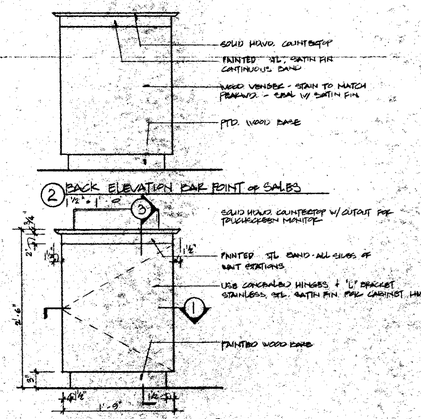


NOTE:
- FOR BRACKET DETAIL - REFER TO DWG #5A & 7.
- FOR DRWR. & CABINET INFO. REFER TO DWG #5A & 7

4A PLAN SECTION · CELLAR MAITRE D'
3/4" = 1'-0"

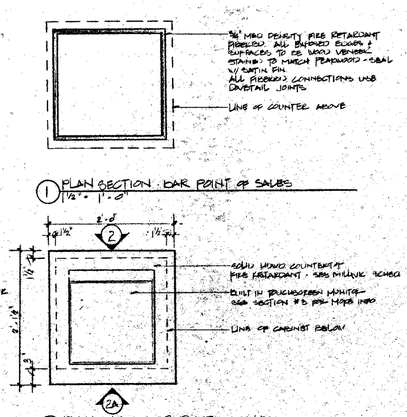


3 SECTION THRU BAR POINT OF SALES
1½" = 1'-0"



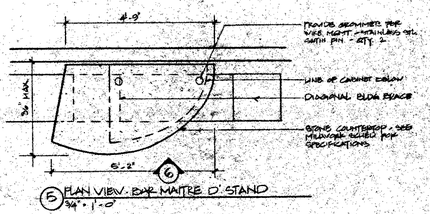
2 BACK ELEVATION BAR POINT OF SALES
1½" = 1'-0"

2A FRONT ELEVATION BAR POINT OF SALES
1½" = 1'-0"

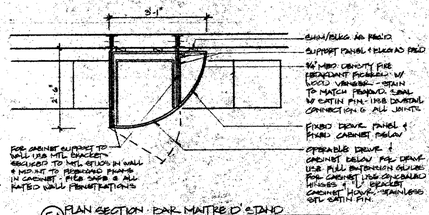


1 PLAN SECTION · BAR POINT OF SALES
1½" = 1'-0"

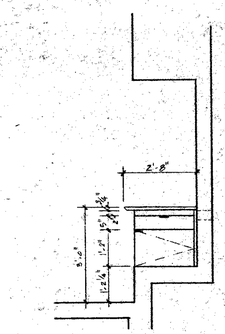
1A PLAN VIEW · BAR POINT OF SALES
1½" = 1'-0"



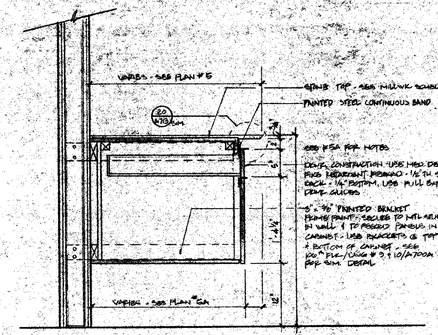
5 PLAN VIEW · BAR MAITRE D' STAND
3/4" = 1'-0"



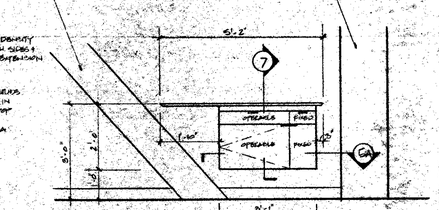
5A PLAN SECTION · BAR MAITRE D' STAND
3/4" = 1'-0"



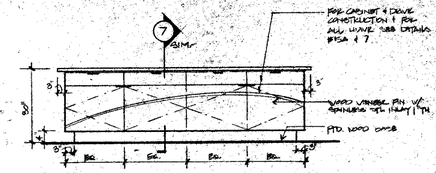
8 ELEVATION · CELLAR MAITRE D'
3/4" = 1'-0"



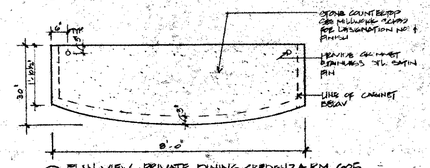
7 SECTION THRU BAR MAITRE D' STAND
1½" = 1'-0"



6 ELEVATION · BAR MAITRE D' STAND
¾" = 1'-0"



3A ELEVATION PRIVATE DINING CREDENZA RM. 605
¾" = 1'-0"



9 PLAN VIEW · PRIVATE DINING CREDENZA RM. 605
¾" = 1'-0"

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OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
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OPERATOR:
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AN ACOUSTICS:
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LIGHTING:
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NEW YORK, NEW YORK 10010

CODES/ADA:
DAVID E. LIEBOWITZ P.E.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

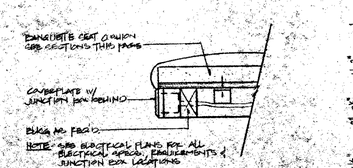
BLDG. A B C NORTH BLDG.

NO.	DATE	REVISIONS
CONSTRUCTION DOCUMENTATION SUBMISSION		
⚠	10/4/95	ISSUED FOR CONSTRUCTION

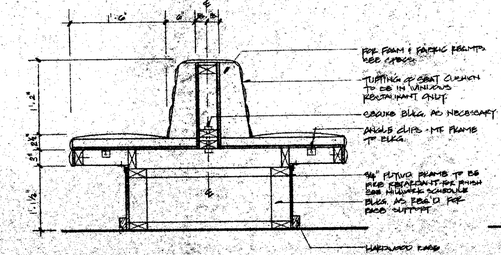
TITLE: 107TH FLOOR
QUADRANT B & C
MILLWORK DETAILS

HHPA PROJECT NO. 5466.173
DRAWING NO. A714
DATE: 7/3/95
SCALE: AS NOTED

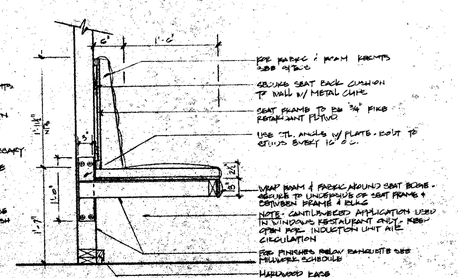
TM 95114.07



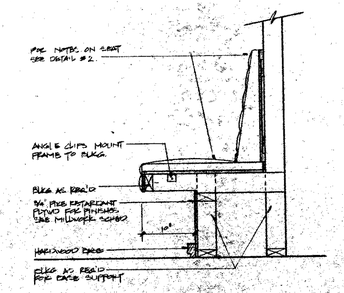
④ SECTION @ SEAT W/ JUNCTION BOX
3" = 1'-0"



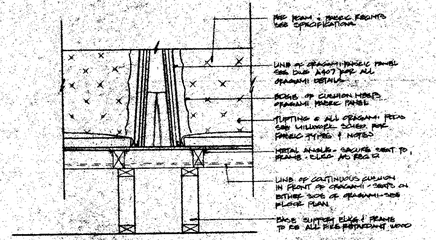
③ BANQUETTE SEATING SECTION
1½" = 1'-0"



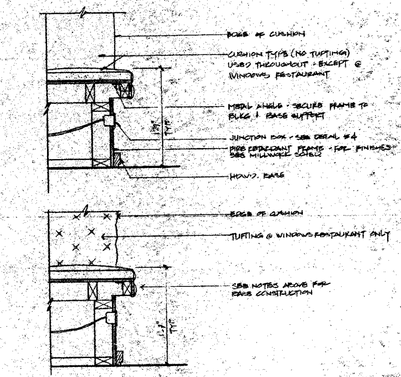
② BANQUETTE SEAT SECTION - CANTILEVER SUPPORT
1½" = 1'-0"



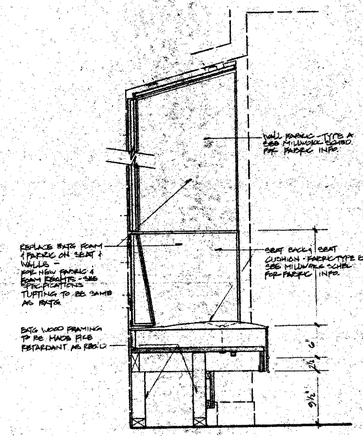
① BANQUETTE SEAT SECTION - TYPICAL SUPPORT
1½" = 1'-0"



⑦ PARTIAL ELEV/SECTION - BANQUETTES @ CRAGAMI AREAS 002/005/011
1½" = 1'-0"



⑥ PARTIAL ELEV/SECTION - TYPICAL SUPPORT
1½" = 1'-0"



⑤ EXISTING BANQUETTE SECTION HUDSON LOUNGE AREA 308
1½" = 1'-0"

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211 E. 43rd ST., N.Y., N.Y. 10017

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NEW YORK CITY, NEW YORK
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200 BROADWAY 19TH FLOOR
NEW YORK, NEW YORK 10038

MEP ENGINEER:
AMERICAN RESEARCH WEBBER
1 HIGHT STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 BROADWAY 13TH FLOOR
NEW YORK, NEW YORK 10007

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC
1 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
RUSS MUSSON WILES
2 EAST 56TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BERNSTEIN LIGHTING
150 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID ALLEN KATZ
2 WEST 45TH STREET
NEW YORK, NEW YORK 10018

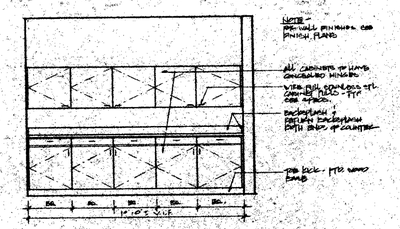
BLDG A · B · C · D
NORTH

NO.	DATE	REVISIONS
CONSTRUCTION DOCUMENTATION SUBMISSION		
Δ	10/4/95	ISSUED FOR CONSTRUCTION

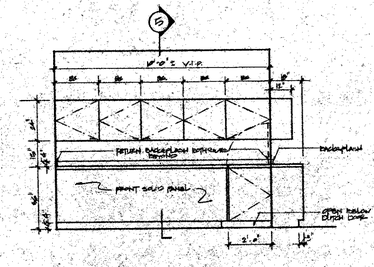
TITLE: 107 FLOOR MILLWORK BANQUETTE DETAILS

HHPA PROJECT NO. 5466.03
DRAWING NO. A715
DATE: 7/21/95
SCALE: AS NOTED

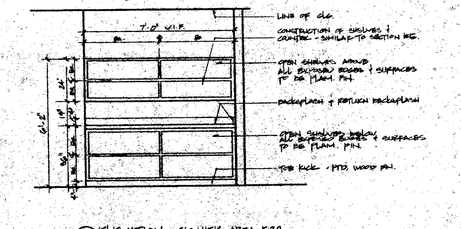
TAA 95114.07



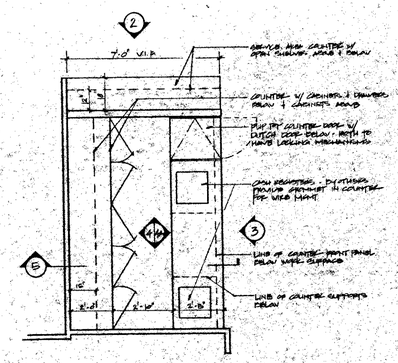
4 ELEVATION · CASHIER AREA 532
1/2" = 1'-0"



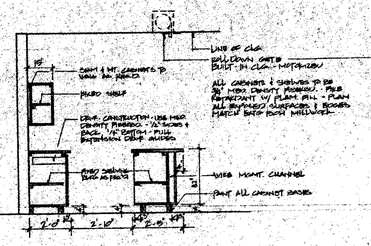
3 ELEVATION · CASHIER AREA 532
1/2" = 1'-0"



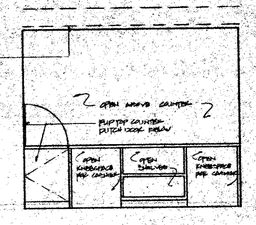
2 ELEVATION · CASHIER AREA 532
1/2" = 1'-0"



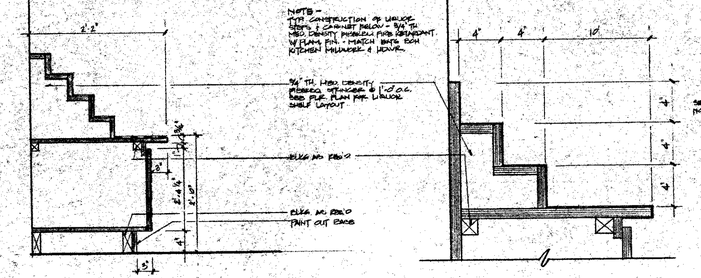
1 CASHIER AREA 532 - PLAN VIEW
1/2" = 1'-0"



5 SECTION · CASHIER AREA 532
1/2" = 1'-0"

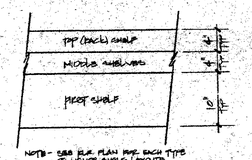


4A ELEVATION · CASHIER AREA 532
1/2" = 1'-0"

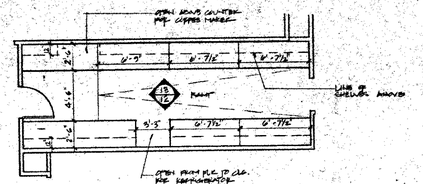


11 SECTION · TYPICAL LIQUOR SHELF & CABINET · AREA 531
1 1/2" = 1'-0"

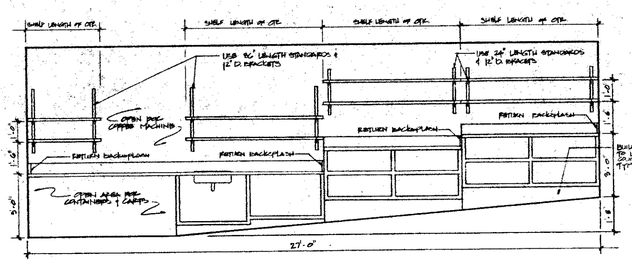
10 DETAIL TYPICAL LIQUOR SHELF · SERVICE BAR AREA 531
3" = 1'-0"



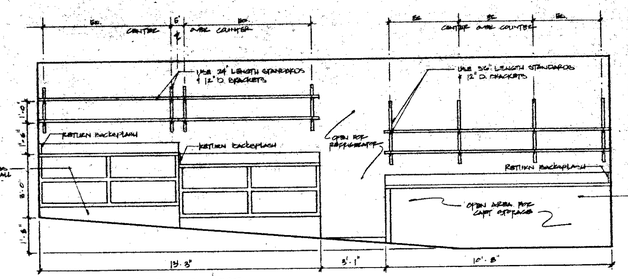
9 SERVICE BAR (KITCHEN) AREA 531 · PLAN VIEW
1/2" = 1'-0"



8 PANTRY AREA 527 · PLAN VIEW
1/4" = 1'-0"



13 ELEVATION · PANTRY AREA 527
1/2" = 1'-0"



12 ELEVATION · PANTRY AREA 527
1/2" = 1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E 46th ST. N.Y. N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, 72ND FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
U.S. WINDOWS OF CORPORATION
135 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
202 BROADWAY - 10TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
ALTIERI SEBOR WIEBER
90 BROAD STREET
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
1 PENN PLAZA - 49TH FLOOR
NEW YORK, NEW YORK 10119

A/V ACOUSTICS:
DAVID ALLISON PETE
1995 BROADWAY - 3RD FLOOR
NEW YORK, NEW YORK 10023

LIGHTING:
CLINE BERTRONE NEWMAN LIGHTING
200 LEXINGTON AVENUE
NEW YORK, NEW YORK 10010

CODES/ADA:
DAVID A. FELDSHER, P.E.
1 PENN PLAZA
NEW YORK, NEW YORK 10019

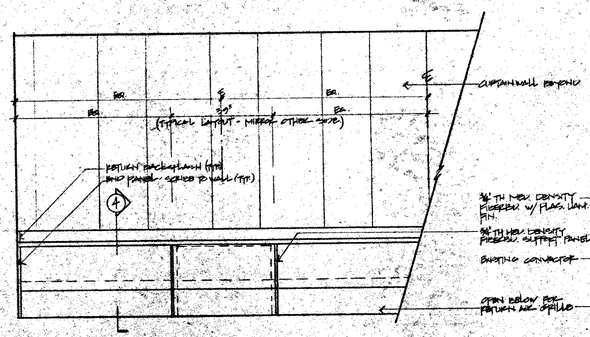
BLDG. D A C B BLDG. B
NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/6/95 ISSUED FOR CONSTRUCTION

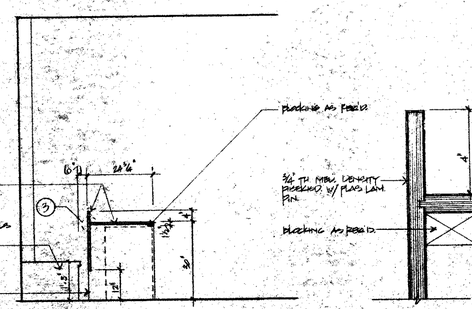
TITLE: 107 FLOOR
BACK OF HOUSE
MILLWORK DETAILS

WHTA PROJECT NO. 9406.03
DRAWING NO. A716
DATE: 7/31/95
SCALE: AS NOTED 1/8"=1'-0"

TM 95114-07

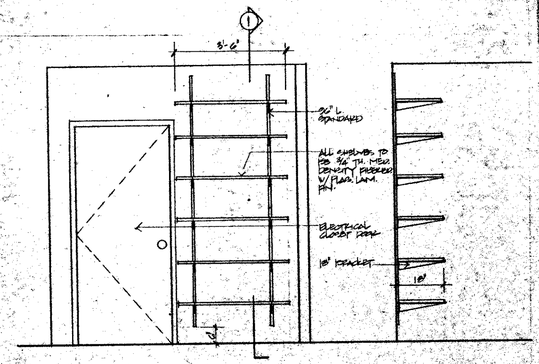


5 ELEVATION OF OPEN OFFICE WORK COUNTER - RM. 901
3/4" = 1'-0"



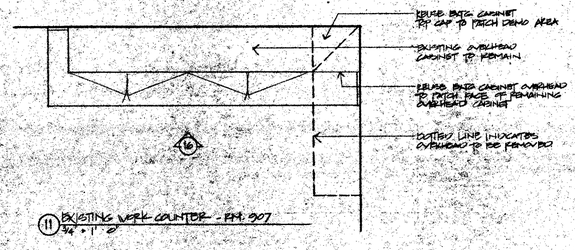
4 SECTION @ WORK COUNTER
3/4" = 1'-0"

3 HELP PULL

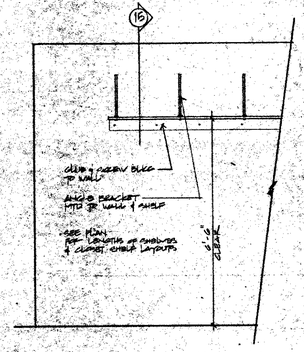


2 ELEVATION OF SHELVES @ COPY ROOM - RM. 804
3/4" = 1'-0"

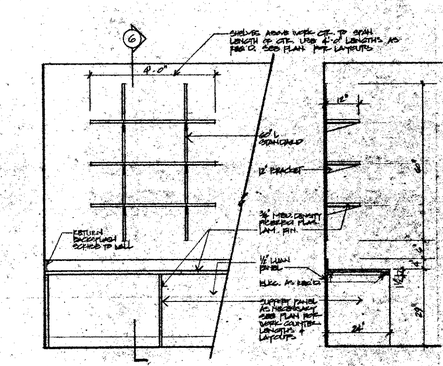
1 SECTION OF SHELVES RM 804
3/4" = 1'-0"



11 EXISTING WORK COUNTER - RM. 907
3/4" = 1'-0"



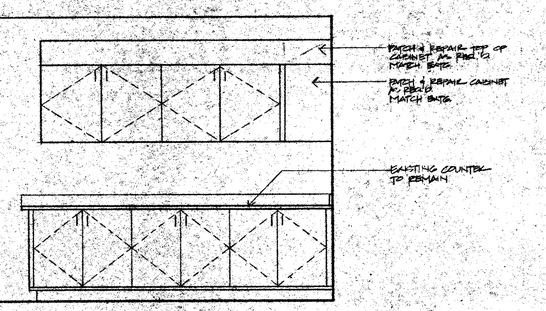
10 TYPICAL STORAGE SHELF DETAIL (SEE PLAN FOR LOCATIONS)
3/4" = 1'-0"



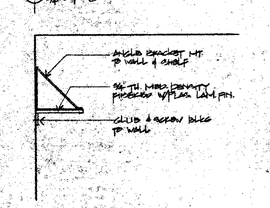
NOTE: RM. 907 DOES NOT FEATURE OVER CTR. SHELVES

7 ELEVATION OF WORK CTR./SHELVES
3/4" = 1'-0"

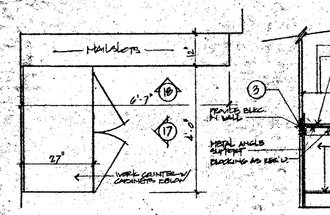
6 SECTION @ WORK CTR./SHELVES
3/4" = 1'-0"



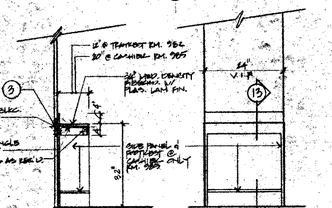
16 ELEVATION OF OPEN OFFICE BASE CABINET - RM. 907
SCALE: 3/4" = 1'-0"



15 STORAGE SHELF
SCALE: 3/4" = 1'-0"

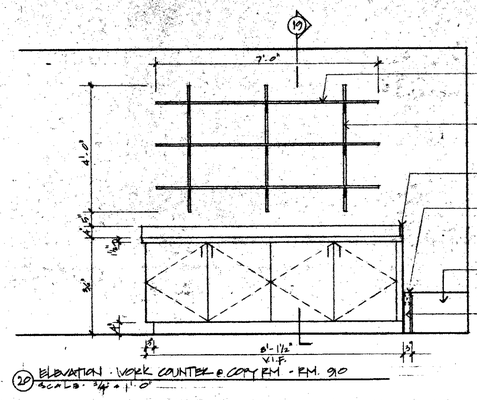


14 PLAN VIEW - MAILSLOTS - RM. 911
SCALE: 3/4" = 1'-0"

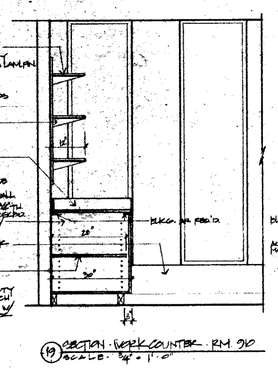


13 TRAFFIC & CAMBER STAND
SCALE: 3/4" = 1'-0"

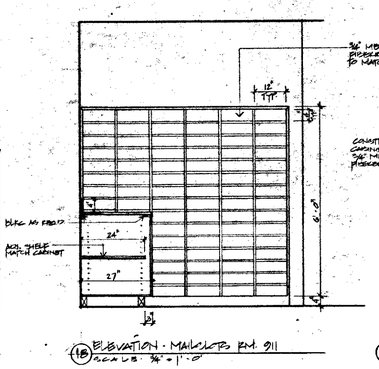
12 CAMBER STAND - RM. 985
SCALE: 3/4" = 1'-0"



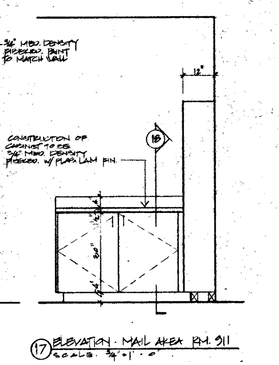
20 ELEVATION - WORK COUNTER @ COPY RM - RM. 910
SCALE: 3/4" = 1'-0"



19 SECTION - WORK COUNTER - RM. 910
SCALE: 3/4" = 1'-0"



18 ELEVATION - MAILSLOTS RM. 911
SCALE: 3/4" = 1'-0"



17 ELEVATION - MAIL AREA RM. 911
SCALE: 3/4" = 1'-0"

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
ONE WORLD TRADE CENTER, 65TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATION:
B.E. WINDOWS CORPORATION
1285 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
111 EIGHTH AVENUE, 13TH FLOOR
NEW YORK, NEW YORK 10011

MEP ENGINEER:
ALTIERI SEBOR WIEBER
37 NORTH MAIN STREET
NORWALK, CONNECTICUT 06854

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC
150 MONTEBELLO PLACE
NEW YORK, NEW YORK 10463

A/V ACOUSTICS:
R.F.D. HIGH-TECH, INC.
NEW YORK, NEW YORK 10016

LIGHTING:
CLARK RICHARD ASSOCIATES
NEW YORK, NEW YORK 10011

CODES/ ADA:
DAVID L. HIRSCHFELD, P.E.
NEW YORK, NEW YORK 10016

BLDG. A B C D E

NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSIONS:
6.5.95 GENERAL REV
7.17.95 GENERAL REV
10.4.95 ISSUED FOR CONSTRUCTION

TITLE:
106 QUADRANTS A & D
MILLWORK ELEVATIONS & DETAILS

HHPA PROJECT NO.: 9408.00
DATE: MAY 5, 1995
SCALE: 1/4"=1'-0"

DRAWING NO.: A720

TAA 951114.07

DEMOLITION NOTES

1. REMOVE GWB PARTITION – PATCH, REPAIR & PAINT ADJACENT WALL, FLOOR AND/OR CEILING.
2. REMOVE GWB & FRAMING TO ACCEPT NEW DOOR ASSEMBLY.
3. REMOVE LOW PARTITION – PATCH, REPAIR & PAINT ADJACENT FLOOR & WALL.
4. REMOVE TEMPORARY PARTITION, SALVAGE & STORE ON SITE.
5. REMOVE ALL EXISTING WALL GUARDS & CORNER GUARDS. SALVAGE & STORE ON SITE.
6. REMOVE ALL EQUIPMENT, SHELVING & TACK BOARDS FROM WALLS FOR REUSE.
7. REMOVE EXISTING CHAIR RAIL FROM WALL. SALVAGE & STORE ON SITE FOR REUSE.
8. REMOVE EXISTING WALL PAPER FROM WALL. SMOOTH & CLEAN EXISTING SURFACE.
8a. REMOVE EXISTING FABRIC WRAPPED PANELS FROM WALL. CLEAN & SMOOTH EXISTING SURFACE.
9. REMOVE EXISTING MIRROR & ASSEMBLY. SALVAGE & STORE ON SITE.
10. REMOVE EXISTING METAL CAGE STORAGE ASSEMBLY. STORE FOR REUSE.
11. REMOVE BROKEN, SAGGING, OR STAINED A.C.T. TILES OR PERFORATED MTL. TILES.
12. REMOVE DROP CEILING, FRAMING & ALL RELATED SUPPORTS.

10. REMOVE DOORS, FRAMES & HARDWARE.

15. REMOVE & PROTECT DOORS FOR REINSTALLATION.
17. REMOVE LOOSE EQUIPMENT: DESKS, CHAIRS etc... SALVAGE & STORE ON SITE.
18. REMOVE EXISTING MARBLE. SALVAGE & STORE ON SITE.
19. REMOVE EXISTING VANITY & SINKS. SALVAGE & STORE ON SITE.
20. DEMO. SLAB AS INDICATED TO ALLOW FOR NEW RAMP.
20a. DEMO AREA OF SLAB AS INDICATED – REFERENCE STRUCTURAL DRAWINGS AS NOTED FOR DETAILED DEMOLITION.
21. REMOVE EXISTING PAYPHONES. SALVAGE & STORE ON SITE.

23. REMOVE EXISTING MILLWORK. PATCH & REPAIR EXISTING WALL AS REQUIRED.
24. REMOVE EXISTING STAIR & RELATED STRUCTURE – REFERENCE STRUCTURAL DWGS. AS NOTED FOR DETAILED DEMOLITION.
25. REMOVE EXISTING BANQUETS, FABRIC PANELS & MIRRORS. DO NOT DAMAGE EXISTING WALLS.
26. REMOVE EXISTING BENCHES. SALVAGE & STORE ON SITE FOR REFURBISHMENT & REINSTALLATION.

GENERAL NOTES:

- EXISTING STRUCTURE TO REMAIN
- SEE STRUCTURAL DRAWINGS
- WALLS TO BE DEMOLISHED
- WALLS TO REMAIN

A) DEMOLISHED AREAS INCLUDE EXISTING FINISHES, STAIRS, RAILS, CEILINGS & DOORS U.N.O.

B) SEE STRUCTURAL DRAWINGS FOR DEMOLITION OF EXISTING CONCRETE SLABS, STAIRS & RAMPS.

C) SEE MECHANICAL DRAWINGS FOR DEMOLITION OF EXISTING MECHANICAL, ELECTRICAL & PLUMBING EQUIPMENT.

D) COORDINATE ALL DEMOLITION WITH ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS.

E) REMOVE PLASTIC COVERS FROM ALL EXISTING MULLIONS @ 107th. FLOOR PERIMETER CURTAIN WALL. DO NOT DAMAGE EXISTING ALUMINUM FASCIA OR FINISH PLASTER FIRE PROOFING AT MULLIONS.

F) REMOVE ALL WOOD TRIM & MIRRORS FROM EXISTING MULLIONS @ 106th. FLOOR FRONT OF HOUSE PERIMETER CURTAIN WALL. DO NOT DAMAGE EXISTING ALUMINUM FASCIA OR FINISH PLASTER FIRE PROOFING AT MULLIONS.

GI ALL SPOT LIGHTS & THEATRICAL LIGHTS @ CEILING ARE TO BE SALVAGED & RETURNED TO OWNER.

HI REMOVE ALL BRACKETS, PLUMBED & ANY TEMPORARY EQUIPMENT REMAINING FROM PRIOR DEMOLITION.

I) REMOVE ALL EXISTING STEEL GUARD RAILS @ CURTAIN WALL/PERIMETER.

JI REMOVE ANY WOOD TRIM & MIRRORS FROM EXISTING FURRED OUT CHASE AT MULLION. FURRED OUT CHASE IS TO REMAIN. DO NOT REMOVE OR DAMAGE.

KI ALL EXIT SIGNS PRESENTLY ATTACHED TO CEILINGS BEING REMOVED ARE TO BE RETURNED TO OWNER.

LI PROVIDE TEMPORARY SHORING AS REQUIRED AT ALL NEW LINTEL LOCATIONS UNDER ARRIVALS.

MI SEE DRAWING SA10 FOR LINTEL DETAILS.

NI PROVIDE 2'0" WIDE OPENINGS IN NORTH–SOUTH RUNNING CMU SLAB SUPPORTS. THIS WILL CREATE AN EAST–WEST TUNNEL REQUIRED TO INSTALL & SERVICE NEW FIBER OPTIC FLOOR LIGHTS AT ARRIVAL GALLERY 200 (SEE HATCHED AREA ON THIS PLAN FOR TUNNEL LOCATION)

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, DEPARTMENT
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
115 FIFTH AVENUE
NEW YORK, NEW YORK 10010

MEP ENGINEER:
ALTIERI SEBOR WIEBER
318 HARVARD AVENUE
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 PARK AVENUE
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI–LITTLE INTERNATIONAL INC.
10 EAST 21st STREET
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
DAVID LARSEN
JAMES NELSON RISBER
630 NINTH AVENUE
NEW YORK, NEW YORK 10036

LIGHTING:
CLINE BERTRONE BERNSTEIN LIGHTING
250 WEST 57th STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LEVENDITTE, P.E.
70 WEST 40th STREET
NEW YORK, NEW YORK 10018

NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
1 6/1/95 PA QUERIES/REVISIONS
2 10/9/95 ISSUE FOR CONSTRUCTION

TITLE
DEMOLITION PLAN
107TH FLOOR

HHPA PROJECT NO. 9466.03
DRAWING NO. D900
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"

TAA 951114.07

DEMOLITION NOTES

1. REMOVE GWB PARTITION – PATCH, REPAIR & PAINT ADJACENT WALL, FLOOR AND/OR CEILING.
2. REMOVE GWB & FRAMING TO ACCEPT NEW DOOR ASSEMBLY.
3. REMOVE LOW PARTITION – PATCH, REPAIR & PAINT ADJACENT FLOOR & WALL.
4. REMOVE TEMPORARY PARTITION, SALVAGE & STORE ON SITE.
5. REMOVE ALL EXISTING WALL GUARDS & CORNER GUARDS. SALVAGE & STORE ON SITE.
6. REMOVE ALL EQUIPMENT, SHELVING & TACK BOARDS FROM WALLS. FOR REUSE.
7. REMOVE EXISTING CHAIR RAIL FROM WALL. SALVAGE & STORE ON SITE FOR REUSE.
8. REMOVE EXISTING WALL PAPER FROM WALL. SMOOTH & CLEAN EXISTING SURFACE.
- 8a. REMOVE EXISTING FABRIC WRAPPED PANELS FROM WALL. CLEAN & SMOOTH EXISTING SURFACE.
9. REMOVE EXISTING MIRROR & ASSEMBLY. SALVAGE & STORE ON SITE.
10. REMOVE EXISTING METAL EDGE STORAGE ASSEMBLY. STORE FOR REUSE.
11. REMOVE BROKEN, SAGGING OR STAINED A.C.T. TILES OR PERFORMATED MTL. TILES.
12. REMOVE DROP CEILING, FRAMING & ALL RELATED SUPPORTS.
- 12a. REMOVE ALL DROP CEILING, FRAMING, SUPPORT & MISCELLANEOUS STEEL UP TO EXISTING SUPER STRUCTURE, VERIFY WITH STRUCTURAL DEMO.
14. REMOVE EXISTING CERAMIC TILE & ADHESIVE. PATCH & REPAIR SUBFLOOR AS REQUIRED.
15. REMOVE EXISTING CARPET & PADDING. PATCH & REPAIR SUBFLOOR AS REQUIRED.
16. REMOVE DOORS, FRAMES & HARDWARE.
- 16a. REMOVE EXISTING ROLL DOWN COUNTER DOOR.
- 16b. REMOVE & PROTECT DOORS FOR REINSTALLATION.
17. REMOVE/PROTECT LOOSE EQUIPMENT: DESKS, CHAIRS, ETC.. DURING DEMOLITION/CONSTRUCTION. SALVAGE & STORE ON SITE.
18. REMOVE EXISTING MARBLE, SALVAGE & STORE ON SITE.
19. REMOVE EXISTING VANITY & SINKS. SALVAGE & STORE ON SITE.
20. DEMO. SLAB AS INDICATED TO ALLOW FOR NEW RAMP.
- 20a. DEMO AREA OF SLAB AS INDICATED – REFERENCE STRUCTURAL DRAWINGS AS NOTED FOR DETAILED DEMOLITION.
21. REMOVE EXISTING PAYPHONES. SALVAGE & STORE ON SITE.
- 22. REMOVE STONE BANDING FROM BASE & TOP OF EXISTING WALL.
23. REMOVE EXISTING MILLWORK, PATCH & REPAIR EXISTING WALL AS REQUIRED.
- 24. REMOVE EXISTING STAIR & RELATED STRUCTURE – REFERENCE STRUCTURAL DWGS. AS NOTED FOR DETAILED DEMOLITION.

GENERAL NOTES:

- FRONT OF HOUSE DEMARCATION
- CEILING REMOVAL
- WALLS TO BE DEMOLISHED
- WALLS TO REMAIN

A) DEMOLISHED AREAS INCLUDE EXISTING FINISHES, STAIRS, RAILS, CEILINGS & DOORS, U.N.O.

B) SEE STRUCTURAL DRAWINGS FOR DEMOLITION OF EXISTING CONCRETE SLABS, STAIRS & RAMPS.

C) SEE MECHANICAL DRAWINGS FOR DEMOLITION OF EXISTING MECHANICAL, ELECTRICAL & PLUMBING EQUIPTMENT.

D) COORDINATE ALL DEMOLITION WITH ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS.

E) REMOVE PLASTIC COVERS FROM ALL EXISTING MULLIONS @ 107th FLOOR PERIMETER CURTAIN WALL. DO NOT DAMAGE EXISTING ALUMINUM FASCIA OR FINISH PLASTER FIRE PROOFING AT MULLIONS.

F) REMOVE ALL WOOD TRIM & MIRRORS FROM EXISTING MULLIONS @ 106th FLOOR FRONT OF HOUSE PERIMETER CURTAIN WALL. DO NOT DAMAGE EXISTING ALUMINUM FASCIA OR FINISH PLASTER FIRE PROOFING AT MULLIONS.

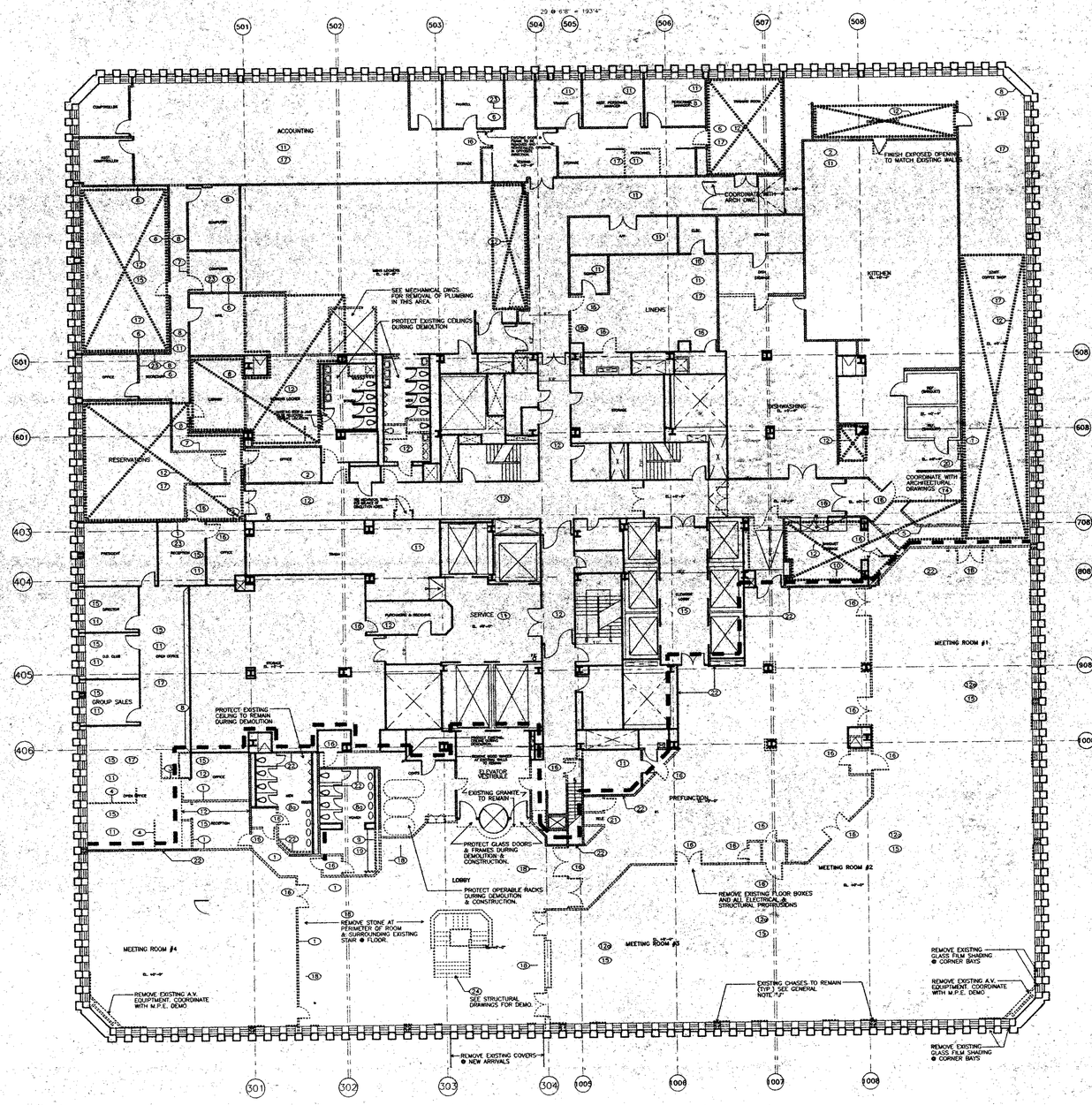
G) ALL SPOT LIGHTS & THEATRICAL LIGHTS @ CEILING ARE TO BE SALVAGED & RETURNED TO OWNER.

H) REMOVE ALL BRACKETS, PLYWOOD & ANY TEMPORARY EQUIPMENT REMAINING FROM PRIOR DEMOLITION.

I) REMOVE ALL EXISTING STEEL GUARD RAILS @ CURTAIN WALLS/PERIMETER.

J) REMOVE ANY WOOD TRIM & MIRRORS FROM EXISTING FURRED OUT CHASE AT MULLION. FURRED OUT CHASE IS TO REMAIN. DO NOT REMOVE OR DAMAGE.

K) ALL EXIT SIGNS PRESENTLY ATTACHED TO CEILINGS BEING REMOVED ARE TO BE RETURNED TO OWNER.



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OCT 11 1995
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

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BLDG. A
NORTH
BLDG. B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	6/1/95	PA QUERIES/REVISIONS
2	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
DEMOLITION PLAN
106TH FLOOR PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. D901
DATE:
SCALE: 1/8"=1'-0"

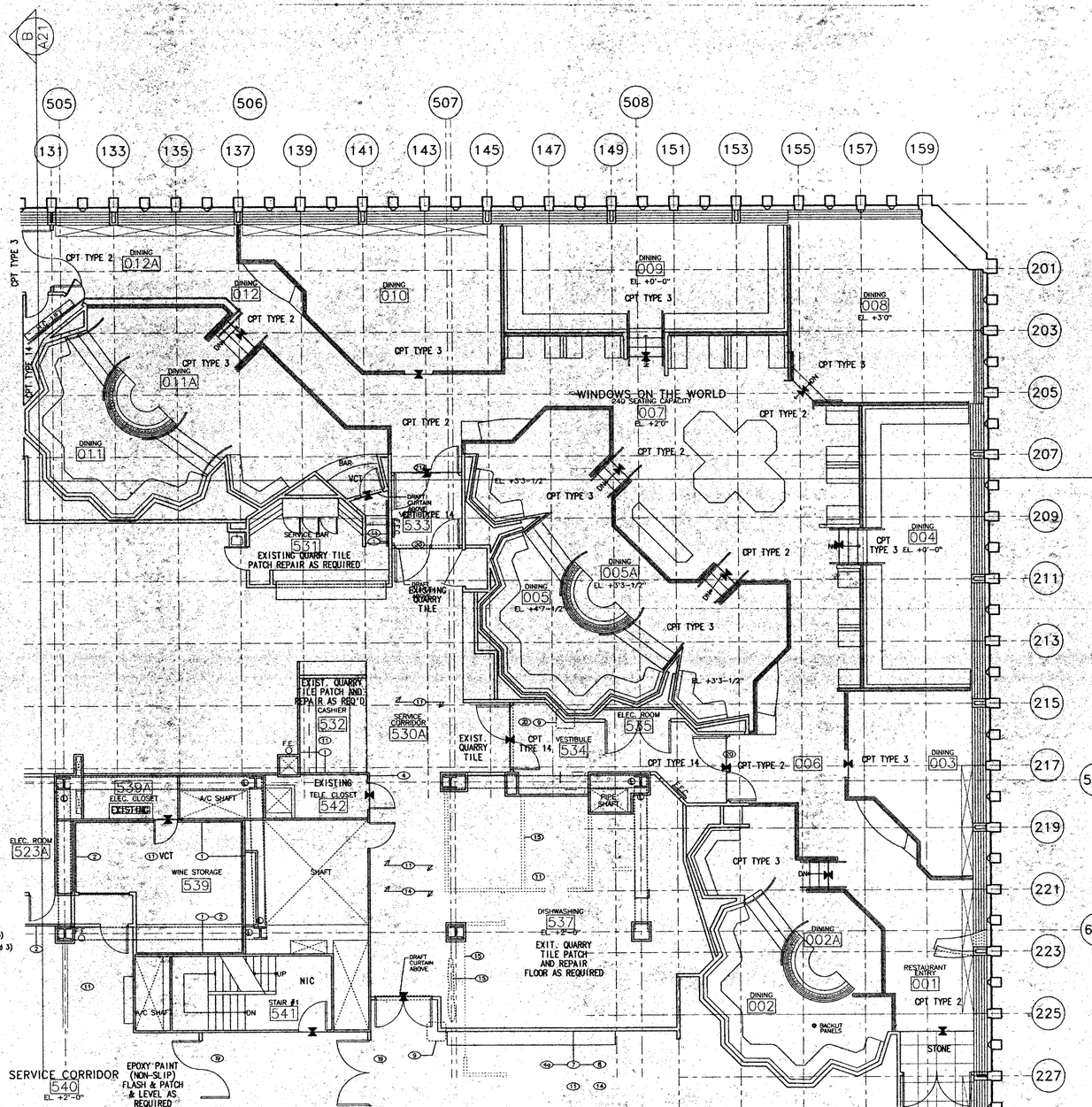
TAA 951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED	(1)	PATCH DENTS & PAINT EXISTING WALL
NOT USED	(2)	PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED	(3)	REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.
NOT USED	(4)	REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3-PANELS OR LESS PER SPACE)
NOT USED	(4a)	PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED	(5)	REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER
NOT USED	(7)	PROVIDE NEW BASE RAILS
NOT USED	(8)	PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED	(9)	PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED	(10)	REPLACE BROKEN OR MISSING A.C.T. - VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE). PAINT CEILING THROUGHOUT SPACE.
	(11)	PROVIDE NEW A.C.T. CEILING, FRAMING, SUPPORTS & GRID
NOT USED	(12)	REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	(12a)	PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED	(13)	REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
	(14)	PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
	(15)	REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	(16)	PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE
NOT USED	(17)	PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED	(18)	REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING
NOT USED	(19)	REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED	(20)	EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED	(21)	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
	(21a)	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME.
NOT USED	(22)	REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED	(23)	IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED	(24)	PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED	(25)	PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED	(26)	ADD SALVAGED CHAIR RAIL TO NEW PARTITION - ALIGN WITH EXISTING.
NOT USED	(27)	PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED	(28)	PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE, TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED	(29)	FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED	(30)	CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED	(31)	REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

Finish Schedule

ACT	New Acoustic Tile throughout space (Ref. refurbishment note 10)
E/ACT	Existing Acoustic Tile Ceiling to be repaired
AP	Acoustical Panels
Bs	Balustrade
BE	Beads
CG	New Corner Guards
CGLS	Cast Glass
CONC	Concrete (Sealed)
CPT	Carpet Throughout
CT	Ceramic Tile
CTB	Ceramic Tile Base
CW	Existing Curtainwall
EP	Epoxy Paint (nonslip) flash patch & level as required
(E)	Existing: Patch & Repair as required
E/FG	Existing Fiberglass wall panel to be cleaned/secured
E/QT	Existing Quarry Tile Floor to be repaired and painted (Ref. refurbishment note 15)
E/GWB	Existing GWB Partion to be repaired and painted (Ref. refurbishment note 1,2 and 3)
E/PMC	Existing Perforated metal panel to be repaired (Ref. refurbishment note 12)
E/WP	Existing Wallpaper to be repaired (Ref. refurbishment note 5)
FG	New 4'-8' Fiberglass panel replacement (Ref. refurbishment note 4)
FP	Fabric Wrap Panels on Gypsum Wall Board
GL	Glazing
GT	Glass Tile
GWB	New Gypsum Wall Board Partition
ICW	Interior Curtainwall
M	Marble
MR	Mirror/Glass
MT	Marble Tile
MTL	Metal
MP	Mineral Plaster
N	New
OW	Operable Wall
P	Paint
PL	Plaster
PC	Precast Concrete
PM	Press Metal
Q	Quarry Tile
RW	Ribbed Wood
S	Scarfito
SAP	Suspended Acoustic Panel
SCS	Suspended Ceiling System
SWC	Suspended Wood Ceilings
Sh	Shades
SS	Stainless Steel
ST	Stone
STEN	Stencils
T	Terrazzo
V	Vinyl Base
VCT	New Vinyl Composition Tile to match existing
WC	Wall Covering
WD	Wood
WG	New Wall Guards
WP	New Wall Paper on GWB partition
WWC	Wood Wallcovering
X	Xorel on Gypsum Wall Board



QUAD "B"
SEE SHEET 1110

CARPET PATTERNS

CPT 1 ● PROMENADES 106/107 – "World Cities" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 6'-0" repeat, color A

CPT 2 ● Windows (Center) – "Waves" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 4'-0" repeat, color A

CPT 3 ● Windows (Pods & Windows) – "Waves" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 4'-0" repeat, color B

CPT 4 ● Bar – "Words" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 3'-0" repeat, color A

CPT 5 ● Arrival 106 – "Lower Manhattan at night" Hand made custom 100% wool carpet by Patterson, Flynn, Martin and Manges

CPT 6 ● Liberty Suites & Prefunction – "Lower Manhattan night/day" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt.

CPT 7 ● Hildson Suites & Prefunction – "Window Mullions" Wilton Weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 3'-0" repeat, color A

CPT 8 ● Pinnacle Suites – "Roadmap" Wilton weave, 9 row, 5 frame 80% wool/20% nylon, 64.7 oz face wt. 6'-0" repeat, color A

CPT 9 ● Suites A – B "Meteor" Wilton weave, 9 row, 5 frame 80% wool/20% nylon, 64.7 oz face wt. 6'-0" repeat, color A

CPT 10 ● Suites C – F "Meteor" Wilton weave, 9 row, 5 frame 80% wool/20% nylon, 64.7 oz face wt. 6'-0" repeat, color B

CPT 11 ● Hudson/Pinnacle Prefunction & BGH – "color munge" Wilton weave, 9 row, 5 frame, 80% wool/20% nylon, 64.7 oz face wt. 1'-0" repeat, color A

GT 1 ● Brides toilet 108 – Bisazza Mosaico "Le Gemme 25" 20.10(40), and "Le Gemme 25" 20.40(4) by Nemo Tile

GT 2 ● East Promenade toilet 106 – Bisazza Mosaico "Le Gemme 25" 20.87(4),"Le Gemme 25" 20.10(4) and "Le Gemme 25" Costa Smeralda by Nemo Tile

GT 3 ● Womens toilet 408, 409, & 410 – 107 Floor – Bisazza Mosaico "Le Gemme 25" TBD, "Le Gemme 25" TBD, "Le Gemme 25" TBD, "Le Gemme 25" TBD by Nemo Tile

GT 4A ● Womens toilet 408, 409, & 410 – 107 walls – "Interstyle" 4"x4" colors A,B,C, and D TBD by Nemo Tile

GT 4B ● Womens toilet 408, 409, & 410 – 107 walls – "Clear Mirror" 4"x4"

GT 5 ● Mens toilet 107 (Urinal surround) 107 floors/walls – Bisazza Mosaico "Le Gemme 25" 20.86 (4) by Nemo Tile

GT 6 ● Bar 107 – Bisazza Mosaico "Le Gemme 25" Maiorca by Nemo Tile

TER 1 ● Arrivel 107 – Thin set chip size 1-2 (at elevator)

TER 2 ● Arrivel 107 – Mud set chip size 1-3

TER 3 ● Arrivel 107 – Mud set chip size 2-4

TER 4 ● Arrivel 107 – Mud set chip size 3-4

TER 5 ● Bar 107 – Mud set chip size 1-4

TER 6 ● Bar 107 – Mud set chip size 1-4

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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TOWER A
TOWER B
NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	OCTOBER 9, 1995	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT A
107TH FLOOR
FLOORING PLAN

HHPA PROJECT NO.: 5466.03
DATE: JULY 31, 1995
SCALE: 1/A"=1'-0"
DRAWING NO.: 1109

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.

NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

NOT USED (7) PROVIDE NEW BASE RAILS

NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

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NOT USED (11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID

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NOT-USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

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NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.

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NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

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NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

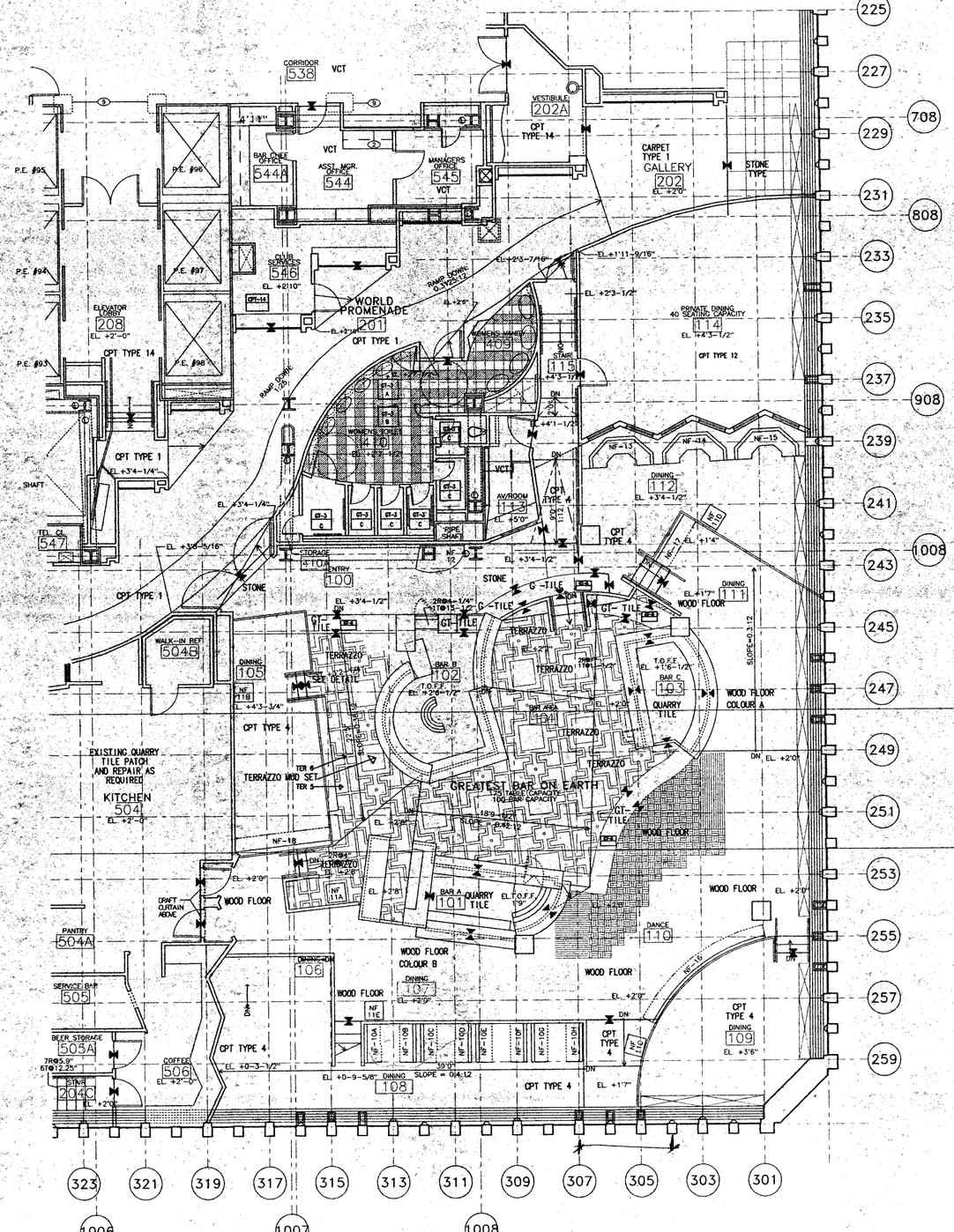
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



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NEW YORK, NEW YORK 10018

TOWER A
TOWER B
NORTH

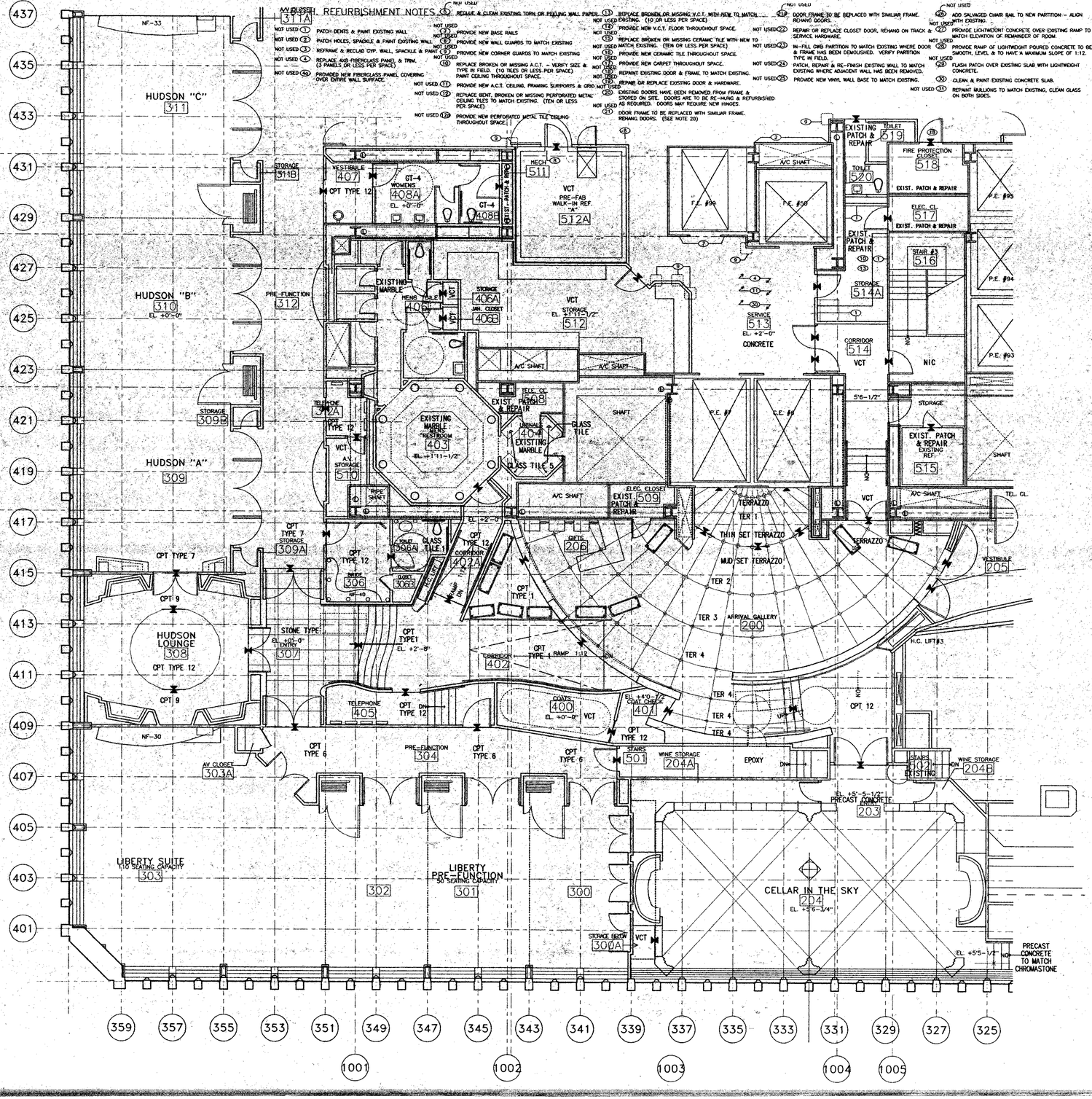
NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION
A 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT B
107TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5468.03
DRAWING NO. 1110
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



WINDOWS ON THE WORLD
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NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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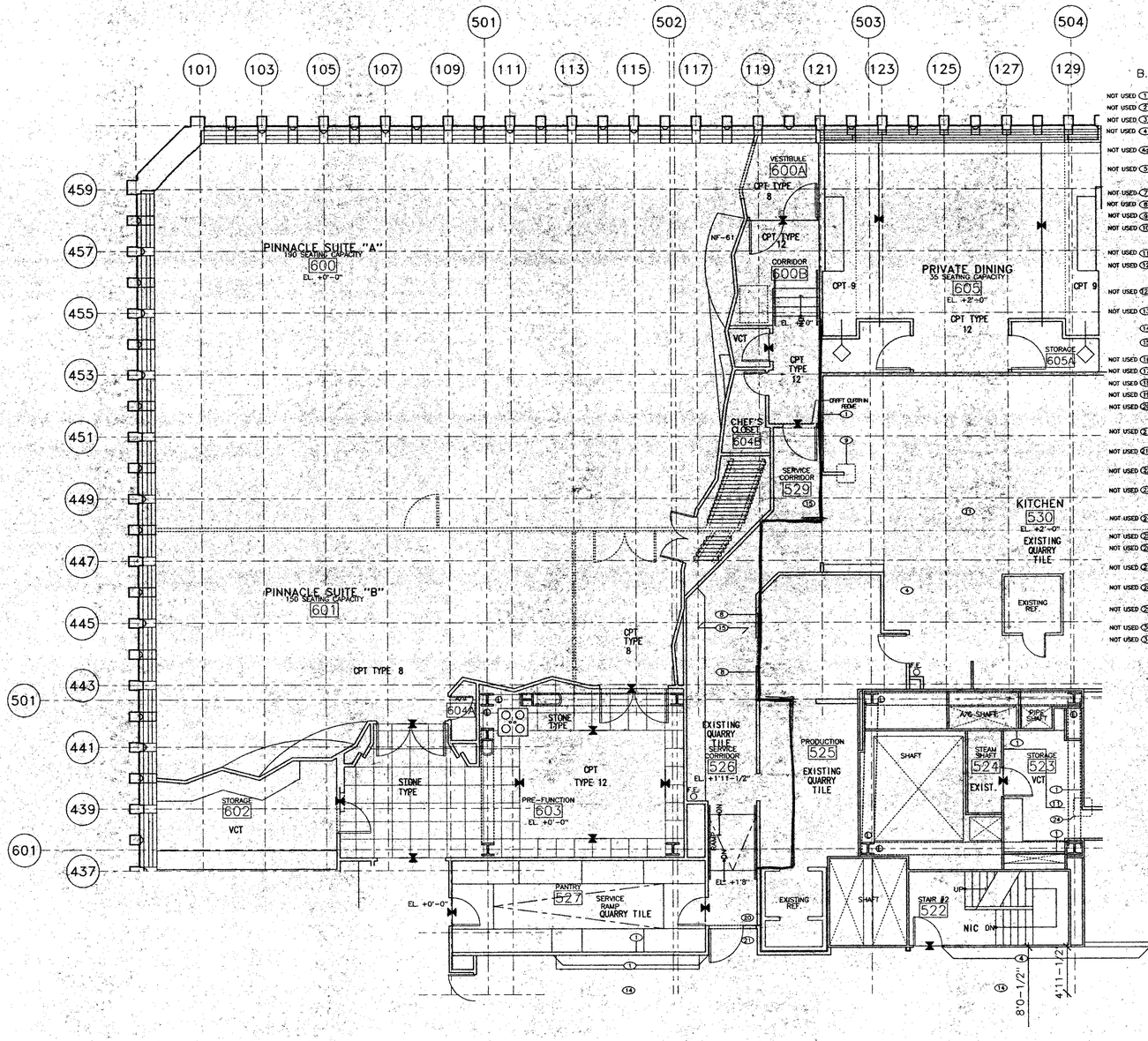
TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT C
107TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5468.03
DRAWING NO. I-111
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



B.O.H. REFURBISHMENT NOTES

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NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
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NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. - VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED (11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED (12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
(14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
(15) REPLACE BROKEN OR MISSING QUARRY TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED (16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED (23) IN-FILL ONG PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED (28) ADD SALVAGED CHAIR RAIL TO NEW PARTITION - ALIGN WITH EXISTING.
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12
NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

WINDOWS ON THE WORLD
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70 WEST 40TH STREET
NEW YORK, NEW YORK 10018



NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
⚠ 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT D
107TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1112
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & REGLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE ANS FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE

NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

NOT USED (7) PROVIDE NEW BASE RAILS

NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. - VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.

NOT USED (11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID

NOT USED (12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

(13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

(14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.

(15) REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE) POINT/REGROUT AS REQ'D

NOT USED (16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.

NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.

NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING

NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. RE-HANG DOORS. (SEE NOTE 20)

NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. RE-HANG DOORS.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR. RE-HANG ON TRACK & SERVICE HARDWARE.

NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION - ALIGN WITH EXISTING.

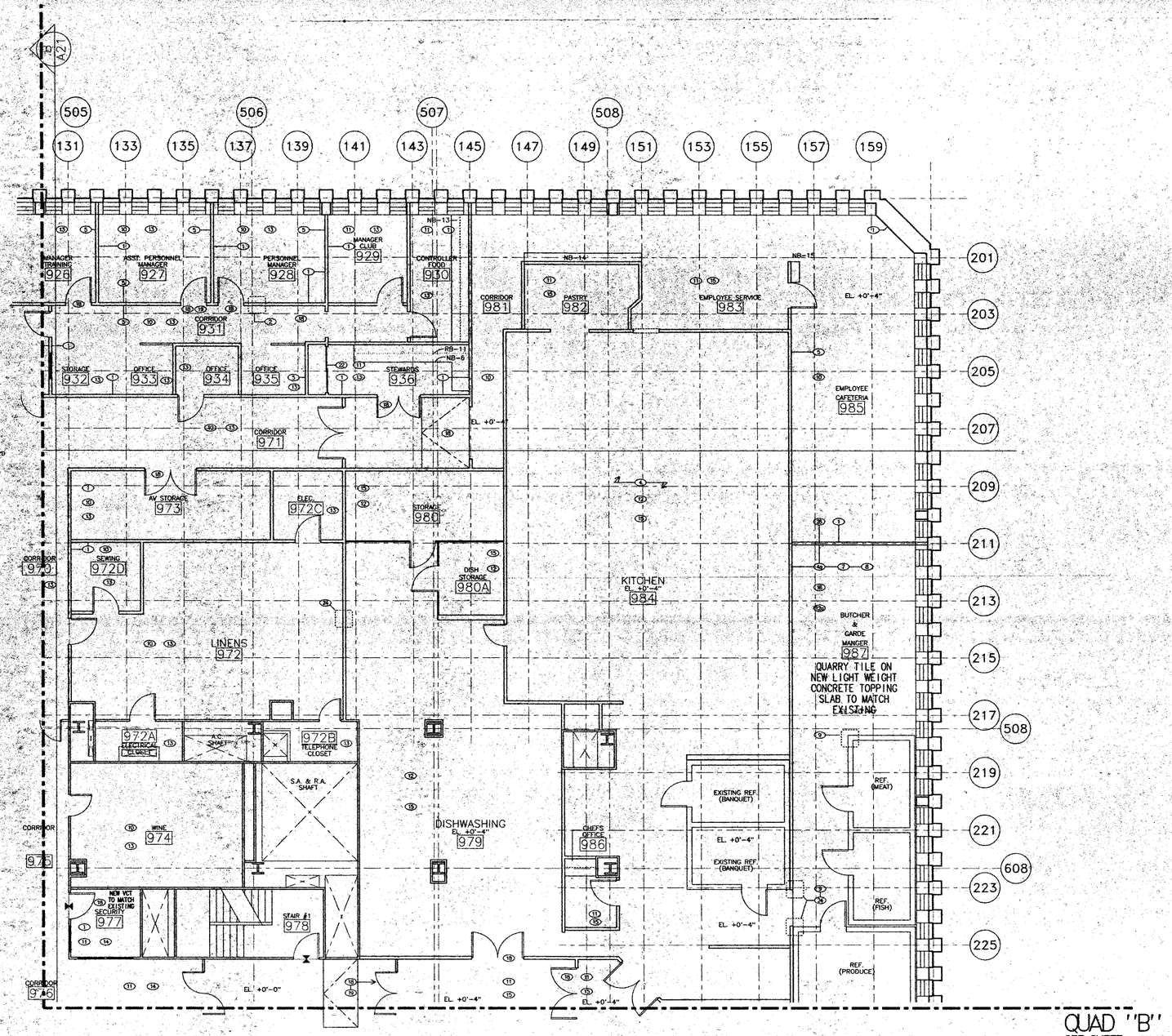
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL, & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



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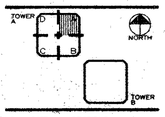


NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION

1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT A
106TH FLOOR
FLOORING PLAN

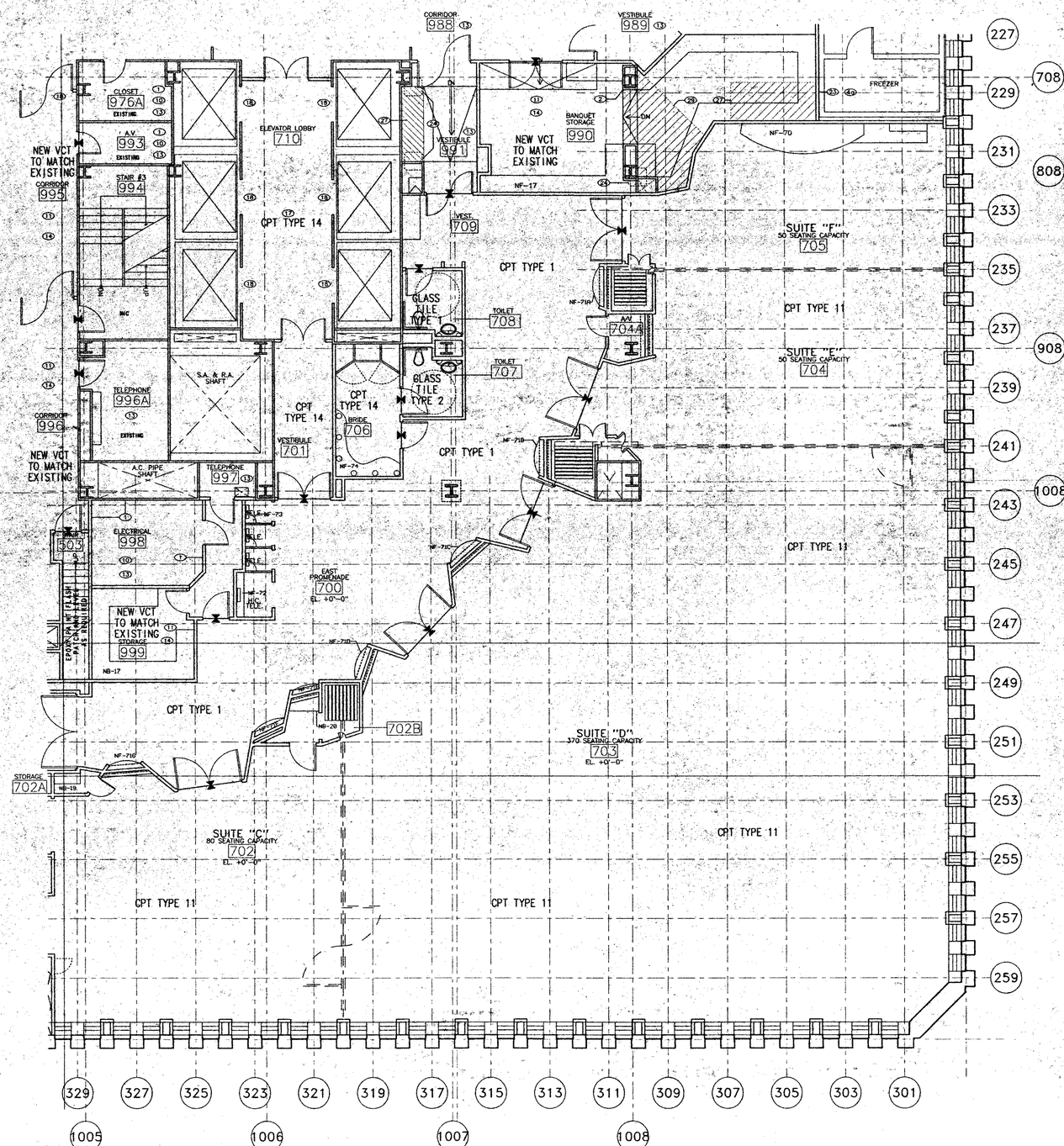
HHPA PROJECT NO. 5466.03
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

DRAWING NO. 1113

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.
NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED (5a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED (7) PROVIDE NEW BASE RWLS.
NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING.
NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED (11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED (12) REPLACE DENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
(13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED (15) REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
(16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
(17) PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED (22) REPAIR OR REPLACE CLOSET DOOR. REHANG ON TRACK & SERVICE HARDWARE.
NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
(27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
(29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.



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111 E. 48th ST., N.Y., N.Y.C. 10017

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NORWALK, CONNECTICUT 06851

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KITCHEN PLANNING:
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A/V ACOUSTICS:
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5 EAST 30TH STREET
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LIGHTING:
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200 PARK AVENUE
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CODE/ ADA:
DAVID E. LEIDESDORF, P.C.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

TOWER A B C D NORTH TOWER II

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/6/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT B
106TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1114
DATE: JULY 17, 1995
SCALE: 1/8"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

NOT USED	1	PATCH DENTS & PAINT EXISTING WALL
NOT USED	2	PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED	3	REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
NOT USED	4	REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3-PANELS OR LESS PER SPACE)
NOT USED	4a	PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED	5	REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED	7	PROVIDE NEW BASE RAILS
NOT USED	8	PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED	9	PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED	10	REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED	11	PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED	12	REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	12a	PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
	13	REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED	14	PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED	15	REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	16	PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED	17	PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED	18	REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED	19	REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED	20	EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED	21	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED	21a	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED	22	REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED	23	IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED	24	PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED	25	PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING
NOT USED	26	ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED	27	PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED	28	PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED	29	FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
	30	CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED	31	REPAINT MULLIONS TO MATCH EXISTING. CLEAN GLASS ON BOTH SIDES.

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NEW YORK, NEW YORK 10017

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420 MADISON AVENUE
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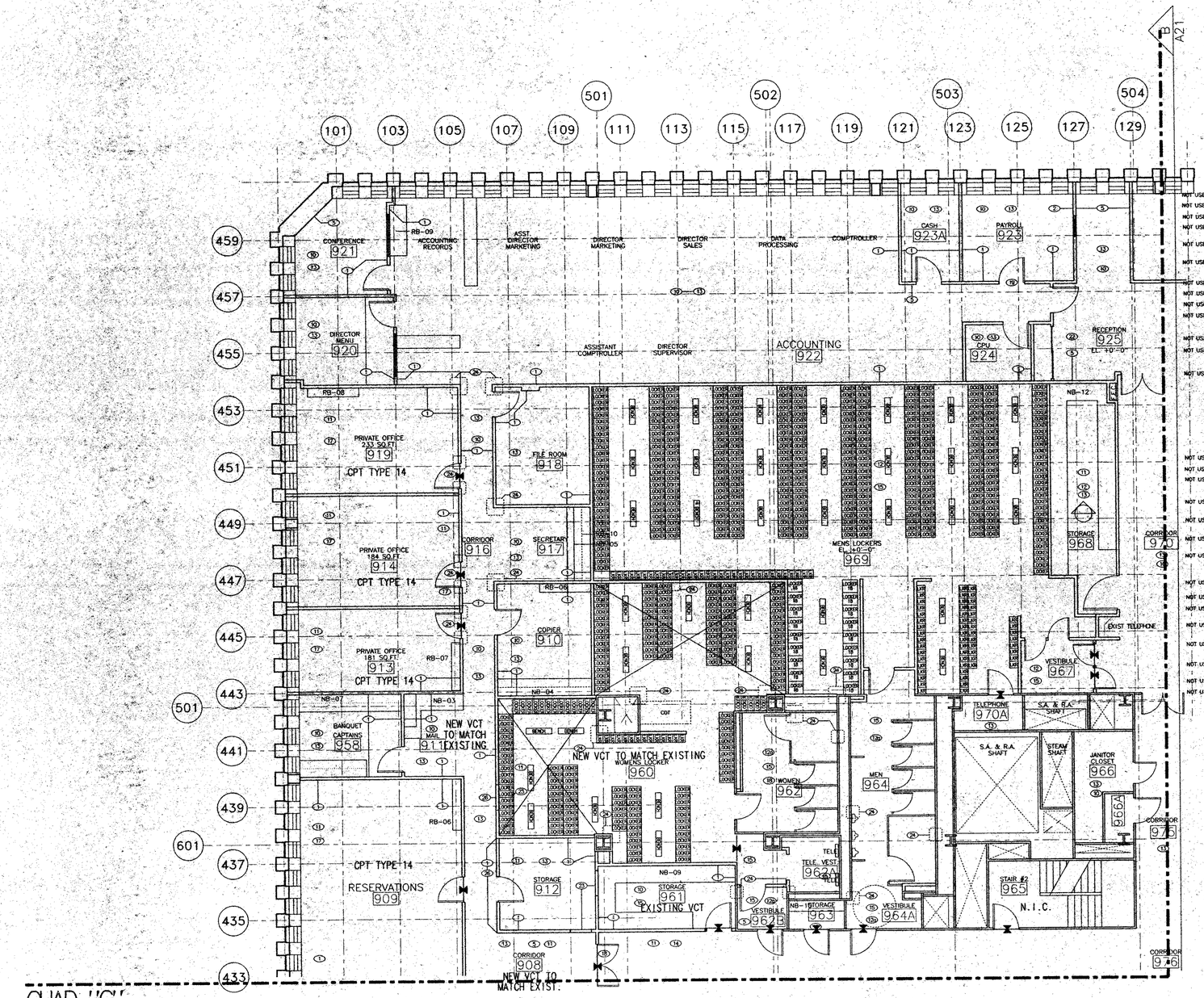
270 MADISON AVENUE
NEW YORK, NEW YORK 10018

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT C
106TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1115
DATE: JULY 17, 1995
SCALE: 1/16"=1'-0"

TAA 951114.07



REFURBISHMENT NOTES (B.O.H.)

- NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
- NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
- NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.
- NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
- NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
- NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
- NOT USED (7) PROVIDE NEW BASE RAILS
- NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING
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- NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.
- NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

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NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
LESLIE E. ROBERTSON ASSOCIATES
250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
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420 LEXINGTON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN-MILSOM-WILKE
6 PENN PLAZA 10TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. FASHION P.C.
70 WALL STREET
NEW YORK, NEW YORK 10018

TOWER A
TOWER B
NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT D
106TH FLOOR
FLOORING PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1116
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

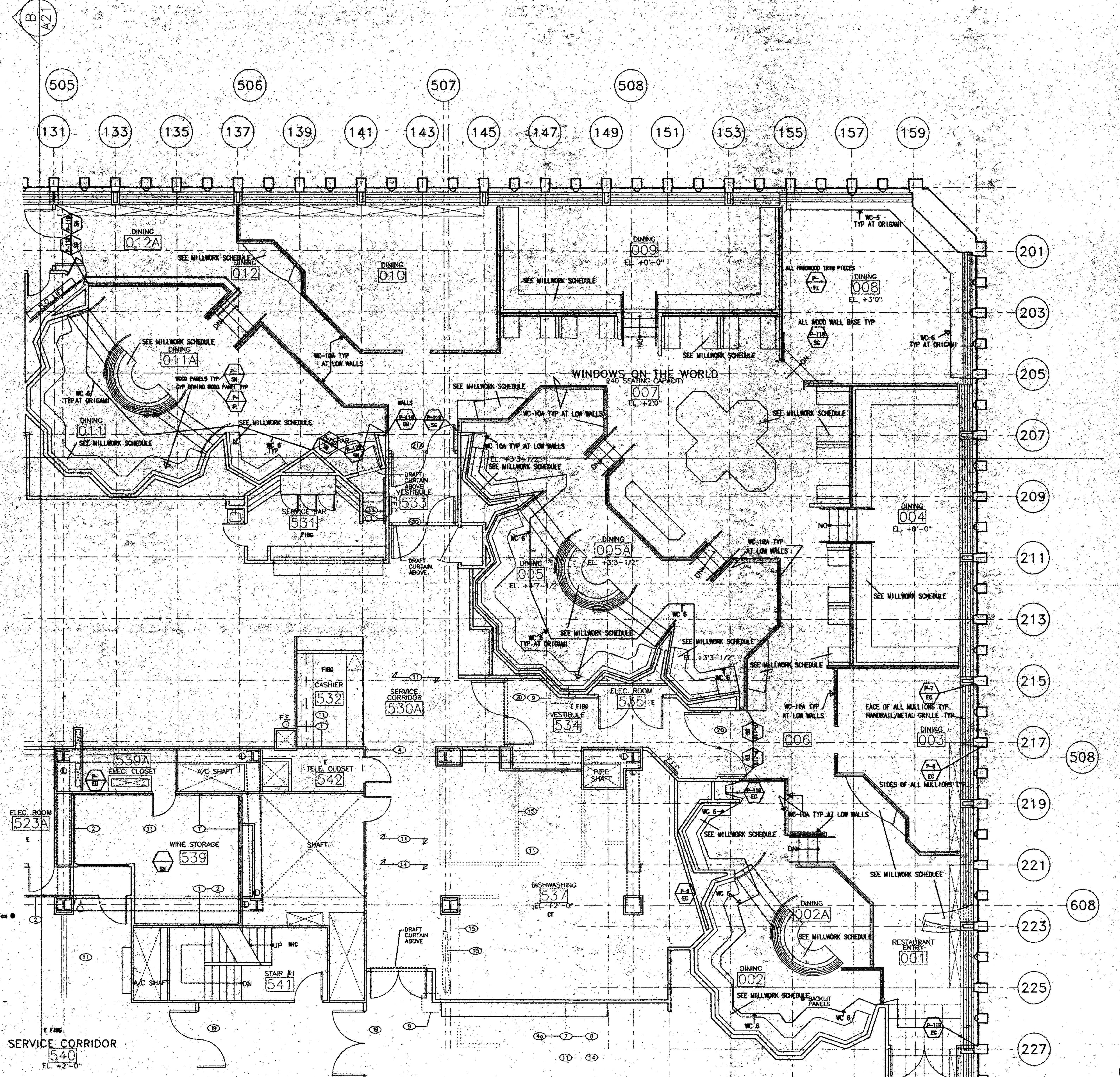
TAA 951114.07

B.O.H. REFURBISHMENT NOTES

	1	PATCH DENTS & PAINT EXISTING WALL
	2	PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED	3	REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
NOT USED	4	REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
	4a	PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
NOT USED	5	REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
	7	PROVIDE NEW BASE RAILS
	8	PROVIDE NEW WALL GUARDS TO MATCH EXISTING
	9	PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED	10	REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED	11	PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.
NOT USED	12	REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	12a	PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED	13	REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED	14	PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED	15	REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	16	PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED	17	PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED	18	REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
	19	REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
	20	EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
	21	DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)
	21a	DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME.
NOT USED	22	REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED	23	IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED	24	PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED	25	PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED	26	ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED	27	PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED	28	PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED	29	FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED	30	CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED	31	REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

WALL COVERING

WC-1A	● Promenade south wall 107 – Upholstered Trak Tex puff panels with a radius edge and typical abutted joints, floor to ceiling by DFB – Fabric "Interpolation" by Bernhardt
WC-1B	● Promenade south wall/Sales office 900/901/906 – Direct glue, Fabric "Interpolation" by Bernhardt
WC-2A	● Arrival 107 – Direct glue Xorel "Nexus" 6425 02/70 by Carnegie
WC-2B	● Arrival 106/Bar – Direct glue Xorel "Strie" 6423 04/35 by Carnegie
WC-2C	● Pinnacle Prefunction 107 – Direct glue xorel "Strie" 6423 04/17 by Carnegie
WC-2D	● Telephone booths – Upholstered Track Tex puff panels
WC-3	● Private Dining North/East – Direct glue ● walls/track tex ● ceiling – fabric "Asymmetry" by Bernhardt
WC-4	● Womens toilet 107 East Promenade – Direct glue Xorel "Nexus" 6425 09/71 by Carnegie
WC-5A	● Brides/toilets East Promenade – Direct glue "Large Square" # 183 by Anya Larkin
WC-5B	● Arrival 106 ceiling – Direct glue "Fluxus/Silver # 2001 by Anya Larkin
WC-6	● Windows ceiling and walls –Track Tex puff panel fabric – "Caboodle" 6708-07 by Koroseal
WC-7A	● Pinnacle suites – Direct glue "Krypton" # 6373-802 by Design Tex
WC-7B	● Pinnacle suites – Direct glue "Krypton" # 6373-801 by Design Tex
WC-8A	● Womens toilets 106 – Direct glue "Salina" # 0-177 Stetson – Pearl by Art People Textural Wall Coverings
WC-8B	● Mens toilets 106 – Direct glue "Salina" # 0-201 Silver – Pearl by Art People Textural Wall Coverings
WC-9	● Hudson Lounge – Upholstered Track Tex puff panels with a radius edge by DFB, Fabric – "Labyrinth" 1710-02 by Fonthill Ltd.
WC-10A	● Windows low walls – Wood Veneer by SR Wood or Laue Inc./Blummenthal "Dyed Lacewood"
WC-10B	● Cellar/Womens toilets 107 East Promenade-wood veneer by SR wood or Laue Inc./Blummenthal "Dyed Ribbon of Mahogany"
WC-10C	● Hudson/Liberty/Pinnacle Suites/Prefunction/Operable walls Wood veneer by SR Wood or Laue Inc./Blummenthal "Dyed Quartered Fir"
WC-10D	● Hudson/Liberty/Pinnacle Suites/Prefunction/Operable walls Wood veneer by SR Wood or Laue Inc./Blummenthal "Dyed Quartered Fir"
WC-10E	● Hudson/Liberty/Pinnacle Suites/Prefunction/Operable walls Wood veneer by SR Wood or Laue Inc./Blummenthal "Dyed Lacewood"
WC-11	● Cellar – Upholstered Trak Tex puff panels by DFB, Fabric "Nouveau Russe" borscht 8557/05 by Jack Lenor Larsen



QUAD "B"
SEE SHEET I122

P-66	BENJAMIN MOORE
P-67	BENJAMIN MOORE
P-68	BENJAMIN MOORE
P-69	BENJAMIN MOORE
P-70	BENJAMIN MOORE
P-71	BENJAMIN MOORE
P-72	BENJAMIN MOORE
P-73	BENJAMIN MOORE
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P-91	BENJAMIN MOORE
P-92	BENJAMIN MOORE
P-93	BENJAMIN MOORE

P-97	BENJAMIN MOORE
P-98	IMRON METALLICS BY DU PONT
P-99	BENJAMIN MOORE
P-100	BENJAMIN MOORE
P-101	BENJAMIN MOORE
P-102	BENJAMIN MOORE
P-103	BENJAMIN MOORE
P-104	BENJAMIN MOORE
P-105	BENJAMIN MOORE
P-106	BENJAMIN MOORE
P-107	BENJAMIN MOORE
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P-168	BENJAMIN MOORE
P-169	BENJAMIN MOORE
P-170	BENJAMIN MOORE

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
1 WORLD TRADE CENTER, 35TH FLOOR WEST
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B.E. WINDOWS CORPORATION
186 5TH AVENUE
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ARCHITECT:
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LIGHTING:
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NEW YORK, NEW YORK 10010

CODE/ ADA:
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70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A — D A C B — NORTH — TOWER B

NO.:	DATE:	REVISIONS:
		CONSTRUCTION DOCUMENTATION SUBMISSION
A	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT A 107TH FLOOR FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. I117
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

(2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.

NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE).

(4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE

NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

(7) PROVIDE NEW BASE RAILS

(8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

(9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

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NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

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NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)

NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT, 5TH FLOOR WEST
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420 MADISON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
SHEN MILSOM WILKE
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NEW YORK, NEW YORK 10016

LIGHTING:
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NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIBOWITZ, P.E.
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018

TOWER A B C D NORTH TOWER

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT B
107TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1118
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

A/V CLOSET 311A — REFURBISHMENT NOTES

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
3. NOT USED — REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
5. NOT USED — PROVIDED NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
6. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
7. PROVIDE NEW BASE RAILS
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
10. NOT USED — REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE)
11. NOT USED — PAINT CEILING THROUGHOUT SPACE
12. NOT USED — PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
13. NOT USED — REPLACE DENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
14. NOT USED — PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE
15. NOT USED — REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
16. NOT USED — PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
17. NOT USED — REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
18. NOT USED — PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
19. NOT USED — PROVIDE NEW CARPET THROUGHOUT SPACE.
20. NOT USED — REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
21. NOT USED — REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
22. NOT USED — EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
23. NOT USED — DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)
24. NOT USED — DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS.
25. NOT USED — REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
26. NOT USED — IN-FILL EXIST PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
27. NOT USED — PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
28. NOT USED — PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
29. NOT USED — ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
30. NOT USED — PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
31. NOT USED — PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
32. NOT USED — PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
33. NOT USED — CLEAN & PAINT EXISTING CONCRETE SLAB.
34. NOT USED — REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

HUDSON "C" 311 · HUDSON "B" 310 EL. +0'-0" · HUDSON "A" 309 · PRE-FUNCTION 312 · STORAGE 311B · VESTIBULE 407 · WOMENS 408A · MENS 408B · MECH 511 · PRE-FAB WALK-IN REF. "A" 512A · F.E. #99 · F.E. #50 · A/C SHAFT · TOILET 519 · FIRE PROTECTION CLOSET 518 · ELEC. CL. 517 · TOILET 520 · P.E. #95 · P.E. #94 · P.E. #93 · STAIR #3 516 · STORAGE 514A · FBC CORRIDOR 514 · SERVICE 513 EL. +2'-0" FBC · STORAGE 406A · JAN. CLOSET 406B · MENS TOILET 406C · STORAGE EL. +11'-1/2" 512 · ELEC. CL. 508 · SHAFT · P.E. #9 · P.E. #8 · 5'6-1/2" · STORAGE · EXISTING REF. 515 · SHAFT · TEL. CL. · STORAGE 309B · STORAGE 510 · MENS RESTROOM 403 EL. +11'-1-1/2" · URINALS 404 · ELEC. CLOSET 509 · A/C SHAFT · HANDRAIL/VERTICLE POSTS KICKPLATE/CONNECTOR COVER · STORAGE 309A · TOILET 306A · TOILET 306B · QUIET 306 · QUIET 308A · CORRIDOR 402A · GIFTS 206 · SLOPE TO DRAIN · VESTIBULE 205 · HUDSON LOUNGE 308 · ENTRY 307 EL. +0'-0" · EL. +2'-8" · ARRIVAL GALLERY 200 · H.C. LIFT #3 · CORRIDOR 402 · RAMP 1:12 ON · TELEPHONE 405 · COATS 400 EL. +0'-0" · COAT CHECK 401 EL. +4'-0-1/2" · STAIRS 501 · WINE STORAGE 204A · STAIRS 502 · WINE STORAGE 204B · AV CLOSET 303A · PRE-FUNCTION 304 · LIBERTY SUITE 110 SEATING CAPACITY 303 · LIBERTY PRE-FUNCTION 50 SEATING CAPACITY 301 · 302 · 300 · CELLAR IN THE SKY 204 EL. +5'6-3/4" · EL. +5'5-1/2" · STORAGE BELOW 300A · EL. +5'5" 1/2" DOOR FINISH TO MATCH ADJACENT 203 · SEE MILLWORK SCHEDULE TYP. · PAINTED OUT WINDOWS MULLIONS AND WALLS · TYPICAL ALL PERIMETER FRONT OF HOUSE MULLIONS

FOR MEZZANINE DISHWASHING FINISHES SEE DRAWING I-127

359 357 355 353 351 349 347 345 343 341 339 337 335 333 331 329 327 325

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RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, 107TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
B.E. WINDOWS CORPORATION
1185 6TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
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909 BROADWAY, 17TH FLOOR
NEW YORK, NEW YORK 10010

MEP ENGINEER:
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50 LOCUST AVENUE
NORWALK, CONNECTICUT 06851

STRUCTURAL ENGINEER:
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NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL, INC.
521 FIFTH AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
ZWEIN MILSOM WILKE
250 EAST 39TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
30 WEST 22ND STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID E. LIEBOWITZ, P.C.
70 WEST 36TH STREET
NEW YORK, NEW YORK 10018

TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT C
107TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1119
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED 3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED 5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED 7. PROVIDE NEW BASE RAILS
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED 10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED 11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED 12. REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED 13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED 14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED 15. REPLACE BROKEN OR MISSING QUARRY TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED 19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED 22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED 23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED 26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING. CLEAN GLASS ON BOTH SIDES.

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

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NEW YORK CITY, NEW YORK

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TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT D
107TH FLOOR
PINNACLE SUITE FINISH

HHPA PROJECT NO. 5466.03
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. 1120

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

1. PATCH DENTS & PAINT EXISTING WALL.
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
3. REFRAME & RECLAD CYP. WALL, SPACKLE & PAINT.
4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
7. PROVIDE NEW BASE RAILS.
8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING.

NOT USED 10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.

NOT USED 11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.

NOT USED 12. REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

NOT USED 13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

NOT USED 14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.

NOT USED 15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE) POINT/REGROUT AS REQ'D

NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.

NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.

NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED 20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED 21. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)

NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.

22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED 23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.

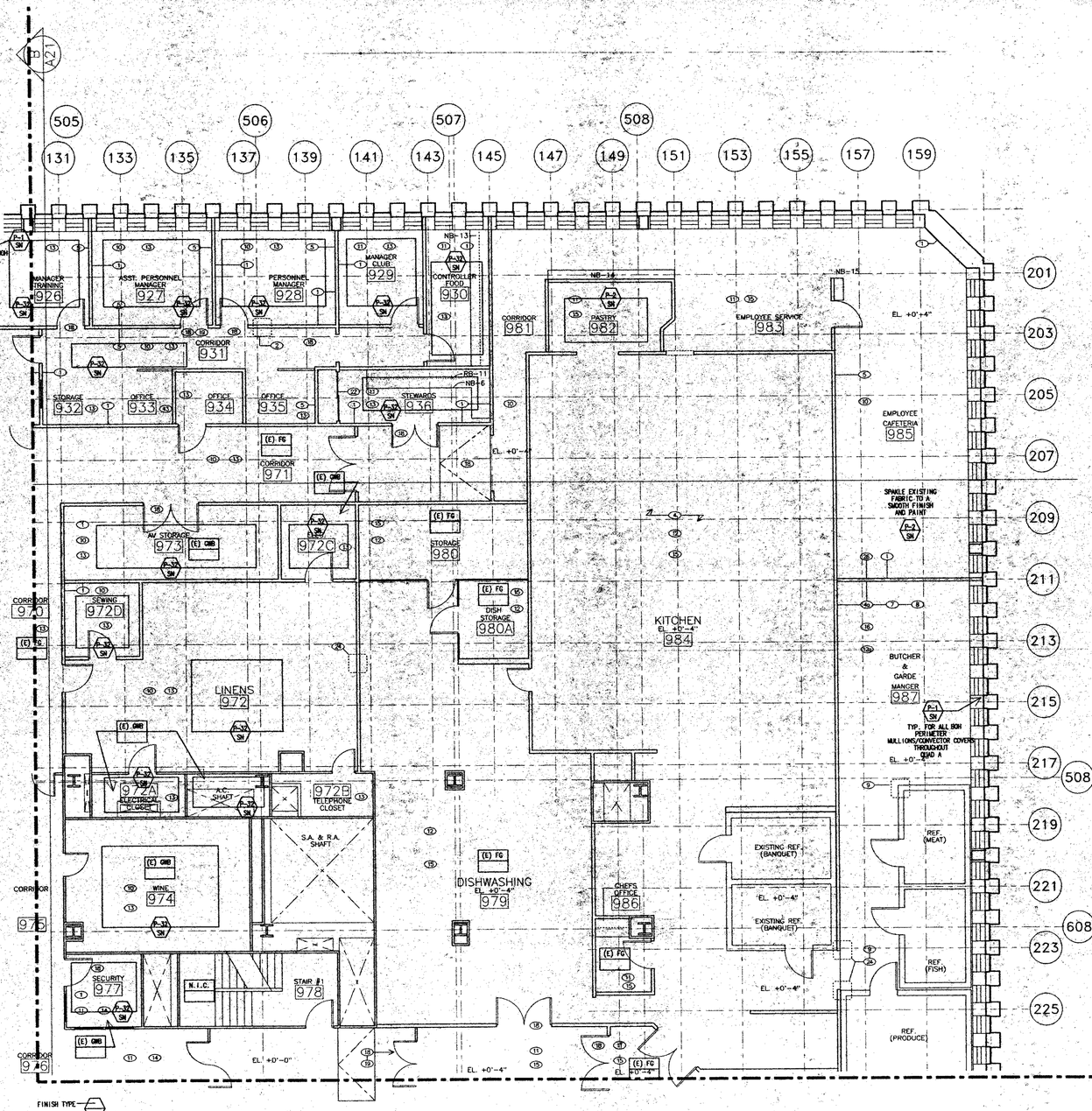
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

P-1	BENJAMIN MOORE
P-2	BENJAMIN MOORE
P-3	BENJAMIN MOORE
P-4	BENJAMIN MOORE
P-5	BENJAMIN MOORE
P-6	BENJAMIN MOORE
P-7	BENJAMIN MOORE
P-8	BENJAMIN MOORE
P-9	BENJAMIN MOORE
P-10	BENJAMIN MOORE
P-11	BENJAMIN MOORE
P-12	MARBLEIZE BY JANOVIC
P-13	BENJAMIN MOORE
P-14	BENJAMIN MOORE
P-15	BENJAMIN MOORE
P-16	BENJAMIN MOORE
P-17	BENJAMIN MOORE
P-18	BENJAMIN MOORE
P-19	BENJAMIN MOORE
P-20	BENJAMIN MOORE
P-21	BENJAMIN MOORE
P-22	BENJAMIN MOORE
P-23	BENJAMIN MOORE
P-24	BENJAMIN MOORE
P-25	BENJAMIN MOORE
P-26	BENJAMIN MOORE
P-27	BENJAMIN MOORE
P-28	BENJAMIN MOORE
P-29	BENJAMIN MOORE
P-30	HARON METALLICS BY DU PONT
P-31	BENJAMIN MOORE
P-32	BENJAMIN MOORE
P-33	HARON METALLICS BY DU PONT
P-34	BENJAMIN MOORE
P-35	BENJAMIN MOORE
P-36	BENJAMIN MOORE
P-37	BENJAMIN MOORE
P-38	BENJAMIN MOORE
P-39	BENJAMIN MOORE
P-40	BENJAMIN MOORE
P-41	BENJAMIN MOORE
P-42	BENJAMIN MOORE
P-43	BENJAMIN MOORE
P-44	BENJAMIN MOORE
P-45	BENJAMIN MOORE
P-46	BENJAMIN MOORE
P-47	BENJAMIN MOORE
P-48	BENJAMIN MOORE
P-49	BENJAMIN MOORE
P-50	BENJAMIN MOORE
P-51	BENJAMIN MOORE
P-52	BENJAMIN MOORE
P-53	BENJAMIN MOORE
P-54	HARON METALLICS BY DU PONT
P-55	HARON METALLICS BY DU PONT
P-56	BENJAMIN MOORE

COVECTOR COVERS MULLIONS TYP THROUGHOUT BOH

FINISH TYPE

NOTE: FINISH FOR PAINT – FL= FLAT
EG = EGGSHELL
SN = SATIN
SG = SEMIGLOSS



QUAD "B"
SEE SHEET A470

RECEIVED
OCT 11 1995
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TOWER A · TOWER B · NORTH

NO.	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT A
106TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1121
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

1. PATCH DENTS & PAINT EXISTING WALL
2. PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED 3. REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
NOT USED 4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 5. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
NOT USED 6. RESEAL & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED 7. PROVIDE NEW BASE RAILS
NOT USED 8. PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED 9. PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED 10. REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
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19. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED 20. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 21. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED 22. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED 23. DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED 24. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
25. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
26. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 27. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED 28. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 29. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 30. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12
NOT USED 31. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 32. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 33. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

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TOWER A · TOWER B · TOWER C · TOWER D · NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE: QUADRANT B
106TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1122
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

	1	PATCH DENTS & PAINT EXISTING WALL.
NOT USED	2	PATCH HOLES, SPACKLE & PAINT EXISTING WALL
NOT USED	3	REFRAME & RECLAD GYP. WALL SPACKLE & PAINT
	4	REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED	4a	PROVIDE NEW FIBERGLASS PANEL "COVERING OVER ENTIRE WALL SURFACE
NOT USED	5	REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED	7	PROVIDE NEW BASE RAILS
NOT USED	8	PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED	9	PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
NOT USED	10	REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
NOT USED	11	PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED	12	REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	12a	PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED	13	REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED	14	PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED	15	REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED	16	PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED	17	PROVIDE NEW CARPET THROUGHOUT SPACE.
	18	REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
	19	REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED	20	EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED	21	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED	21a	DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
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NOT USED	26	PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
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NOT USED	27	PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
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NOT USED	30	CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED	31	REPAINT MULLIONS TO MATCH EXISTING. CLEAN GLASS ON BOTH SIDES.

NOTES:

P-31 SN — TYPICAL ALL BACK OF HOUSE WD BASES

P-31 SG — TYPICAL ALL BACK OF HOUSE DOORS

RECEIVED
OCT 11 1995
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WINDOWS ON THE WORLD
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NEW YORK CITY, NEW YORK

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TOWER A — TOWER B — NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/6/95	ISSUE FOR CONSTRUCTION

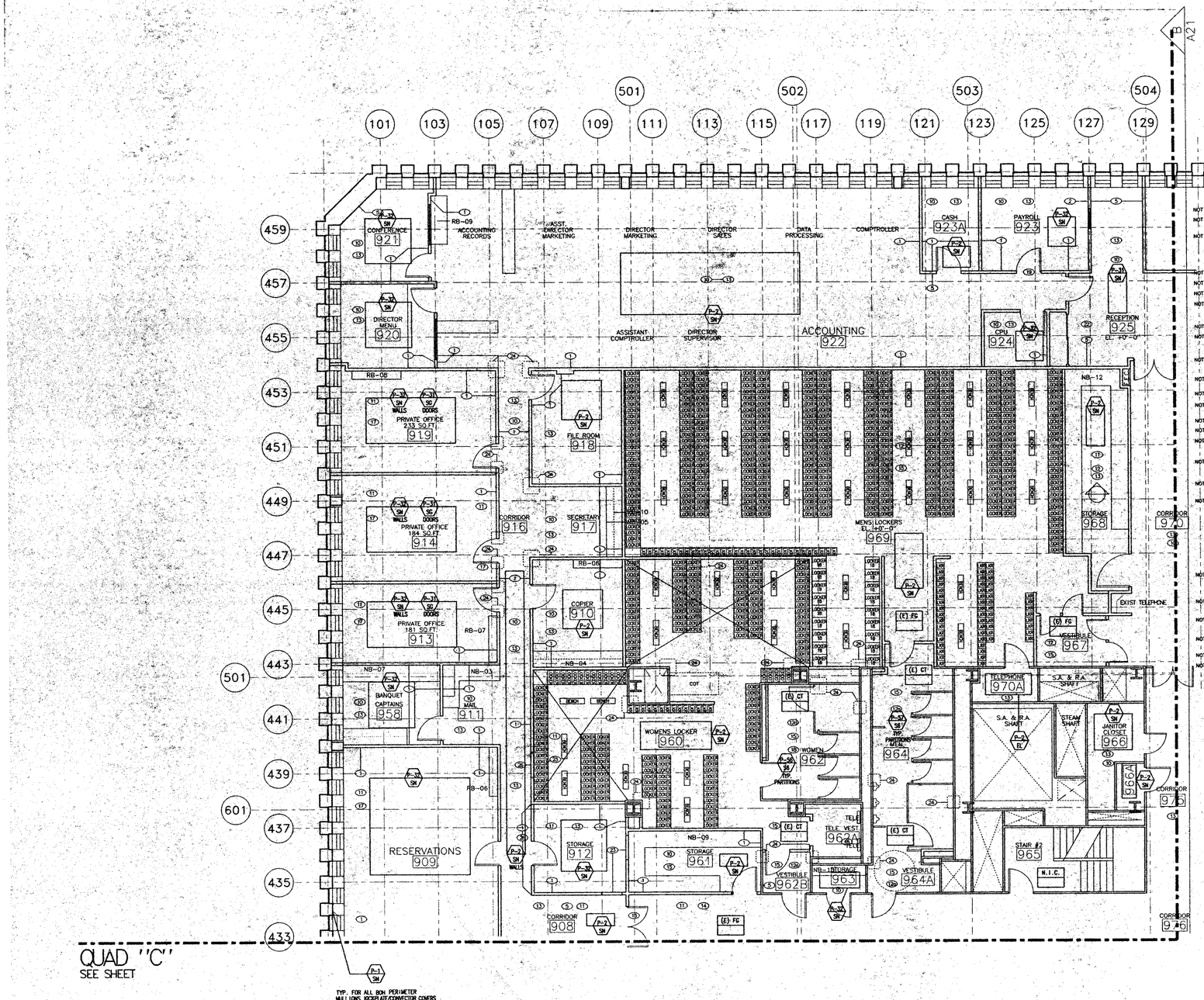
TITLE: QUADRANT C
106TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03 — DRAWING NO. 1123

DATE: JULY 17, 1995

SCALE: 1/4"=1'-0"

TAA 951114.07



REFURBISHMENT NOTES (B.O.H.)

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NOT USED 4. REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED 4a. PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE
5. REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
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NOT USED 11. PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
NOT USED 12. REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 12a. PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED 13. REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED 14. PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED 15. REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED 16. PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED 17. PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED 18. REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
19. REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED 20. EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED 21. DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED 21a. DOOR FRAME TO BE REPLACED WITH SIMILIAR FRAME. REHANG DOORS.
22. REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
23. IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
24. PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED 25. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
26. ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED 27. PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED 28. PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED 29. FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED 30. CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED 31. REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

NOTES:
P-3A SC TYPICAL ALL BACK OF HOUSE DOORS

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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PORT AUTHORITY OF NY & NJ
WORLD TRADE DEPARTMENT
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CODE/ ADA:
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TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE: QUADRANT D
106TH FLOOR
FINISH PLAN

HHPA PROJECT NO. 5466.03
DRAWING NO. 1124
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

NOT USED (5) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.

NOT USED (6) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

NOT USED (7) PROVIDE NEW BASE RAILS

NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE)
PAINT CEILING THROUGHOUT SPACE.

(11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID

NOT USED (12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.

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NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)

(21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

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NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

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NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING. CLEAN GLASS ON BOTH SIDES.

SUSPENDED CEILING SYSTEMS

SCS – 1 ● HUDSON/LIBERTY/PINNACLE/PANTRY 027/VESTIBULE 508A/CORRIDOR 602B STORAGE 802/WINE STORAGE 204B/STAIR 209C – PROVIDE 24"X24"X1/4" THICK "LINEAR BEVELED GRIDSHADE" NO. 2631, MANUFACTURED BY ARMSTRONG

SCS – 1A ● SAME AS SCS – 1 EXCEPT 12"X12"X 3/4" THICK

SCS – 3 ● 602E – PROVIDE 24" X 24" X 3/4" THICK "ARTISAN II FINELINE" MANUFACTURED BY U.S. GYPSUM CO. OR APPROVED EQUAL MADE BY ARMSTRONG OR CELOTEX

SCS – 3A ● BANQUETS WEST – SAME AS SCS – 3 EXCEPT COLOR SHALL BE MIST, NO 653 – A

SCS – 5 ● B.O.H. – PROVIDE 24" X 24" X 5/8" THICK "AURATONE FINE FISSURED II" MANUFACTURED BY U.S. GYPSUM CO. OR APPROVED EQUAL MADE BY ARMSTRONG OR CELOTEX

SCS – 7A ● B.O.H. 106/107/KITCHEN 106/107 – PROVIDE 24X 2' 48" X 5/8" THICK U.S. FINE GRAIN NON-PERFORATED, V1000, FACED PANELS, WHITE, WITH SQUARE EDGE MADE BY ARMSTRONG OR APPROVED EQUAL MADE BY U.S. GYPSUM OR CELOTEX

SCS – 10 ● B.O.H. – SAME AS SCS 5 EXCEPT 24" X 48"

SUSPENDED ACOUSTIC PANELS (SAP)

SAP – 1 ● LIBERTY/PRIVATE DINING – PANELS SHALL BE OF SIZES SHOWN ON DRAWINGS FACING FABRIC SHALL BE "TEX-WALL TARGET NO. 004 PEARL BLUSH" AS MANUFACTURED BY MAHARAM

SAP – 1A ● LIBERTY/PRIVATE DINING – SAME AS SAP –1 EXCEPT FABRIC SHALL BE "TEX-WALL TARGET NO. 006 STROW" AS MANUFACTURED BY MAHARAM

SAP – 2 ● PINNACLE – PANELS SHALL BE OF SIZES AND SHAPE SHOWN ON DRAWINGS AND FABRICATED OF 6 PCF FIBROUS GLASS 2" THICK, SHOP-FORMED TO A "WAVE" SHAPE FACING FABRIC/SHALL BE "TEX-WALL LUSTRA" AS MANUFACTURED BY MAHARAM

SAP – 3 ● WINDOWS ON THE WORLD – PANEL SHALL BE MADE UP "TRACK-TEX" WALL UPHOLSTERY SYSTEM BY DFB SALES FABRIC FACING SHALL BE WO-8 "CABOODLE" NO. 6708-7. MANUFACTURED BY KOROSEAL

SAP – 4 ● 602C PANEL SHALL BE AS NOTED ABOVE FOR TYPE SAP – 1 WITH THE FOLLOWING EXCEPTIONS: 1. FABRIC FACING SHALL BE "ISLANDS" NO. 6702-07 MANUFACTURED BY KOROSEAL. 2. PRE – FABRICATED PANELS SHALL BE SET IN A "CONCEALED T" SUSPENSION SYSTEM EQUAL TO DONN BY MADE BY U.S. GYPSUM INDUSTRIES INC. OR APPROVED EQUAL WITH BAKED ENAMEL FINISH IN CUSTOM COLOR SELECTED BY ARCHITECT

SAP – 5 ● MENS TOILET 107 – PANEL SHALL BE AS NOTED ABOVE FOR TYPE SAP – 1 WITH THE FOLLOWING EXCEPTION: 1. FABRIC FACING SHALL BE "TEX-WALL 1000, NO 191 BRIAR PATCH", MANUFACTURED BY MAHARAM. 2. PANELS SHALL BE "Z" CLIPPED TO EXISTING DRYWALL CEILINGS.

SUSPENDED METAL CEILINGS

SCS – 2 ● 606E – PROVIDE EMBOSSED METAL PANELS, FOR SCS – 4 CEILINGS SIZE 24"X 24"

SCS – 4 ● 106 BANQUETS – PROVIDE 24" X 24" ALUMINUM PANELS EQUAL TO "CELEBRATION" MADE BY U.S. GYPSUM INTERIORS INC. OR APPROVED EQUAL WITH "SHADOW BRUSH" FINISH. PANELS SHALL FORM A CONTINUOUS INTERLOCK WITH THE SUSPENSION SYSTEM

SCS – 4A ● 106 BANQUETS – SAME AS SCS 4 EXCEPT PANELS SHALL HAVE A "POLISHED CHROME" FINISH

SCS – 7 ● LOCKER ROOMS – PROVIDE 24" X 48" ALUMINUM PERFORATED ACOUSTIC PANELS .032" THICK, MANUFACTURED BY SIMPLEX CEILING CORP. OR APPROVED EQUAL PANELS TO HAVE A FINISH TO MATCH EXISTING

SCS – 8 ● HUDSON – PROVIDE ALUMINUM HONEYCOMB PANELS, 3/8" THICK EQUAL TO "ALUMINALL" MADE BY RAIL TECH OR APPROVED EQUAL

SCS – 9 ● PINNACLE – SAME AS SCS – 8 CEILING PANELS EXCEPT AS FOLLOWS:
1. FABRIC BACKED WOOD VENEER EQUAL TO "PEARWOOD" (COLOR/GRAIN) MANUFACTURED BY SR WOOD OR LANE INC./BLUMENTHAL CO. 2. SHAPE OF PANELS SHALL BE "CONVEX".

SUSPENDED MIRROR AND GLASS CEILINGS

SCS – 6A ● ARRIVAL 107 – PROVIDE 24" X 24" X 1/8" THICK PEACH POLYCHROME MIRROR GLASS MADE BY FORMA DESIGN WITH POLISHED EDGES

SCS – 6B ● WOK/BAR ENTRY – PROVIDE 1/8" THICK, 24" X 24" CLEAR MIRROR GLASS PANELS MADE BY BENDHEIM

WINDOW SHADES

SH – 1 ● HUDSON SUITES MOTORIZED FLAT ROMAN SHADE "SOL-R-SHADE 4000" BY D.F.B. WITH BLACKOUT SHADE CLOTH LINING BEHIND BART HALPERN "CUBIST PLEAT IN ECRU

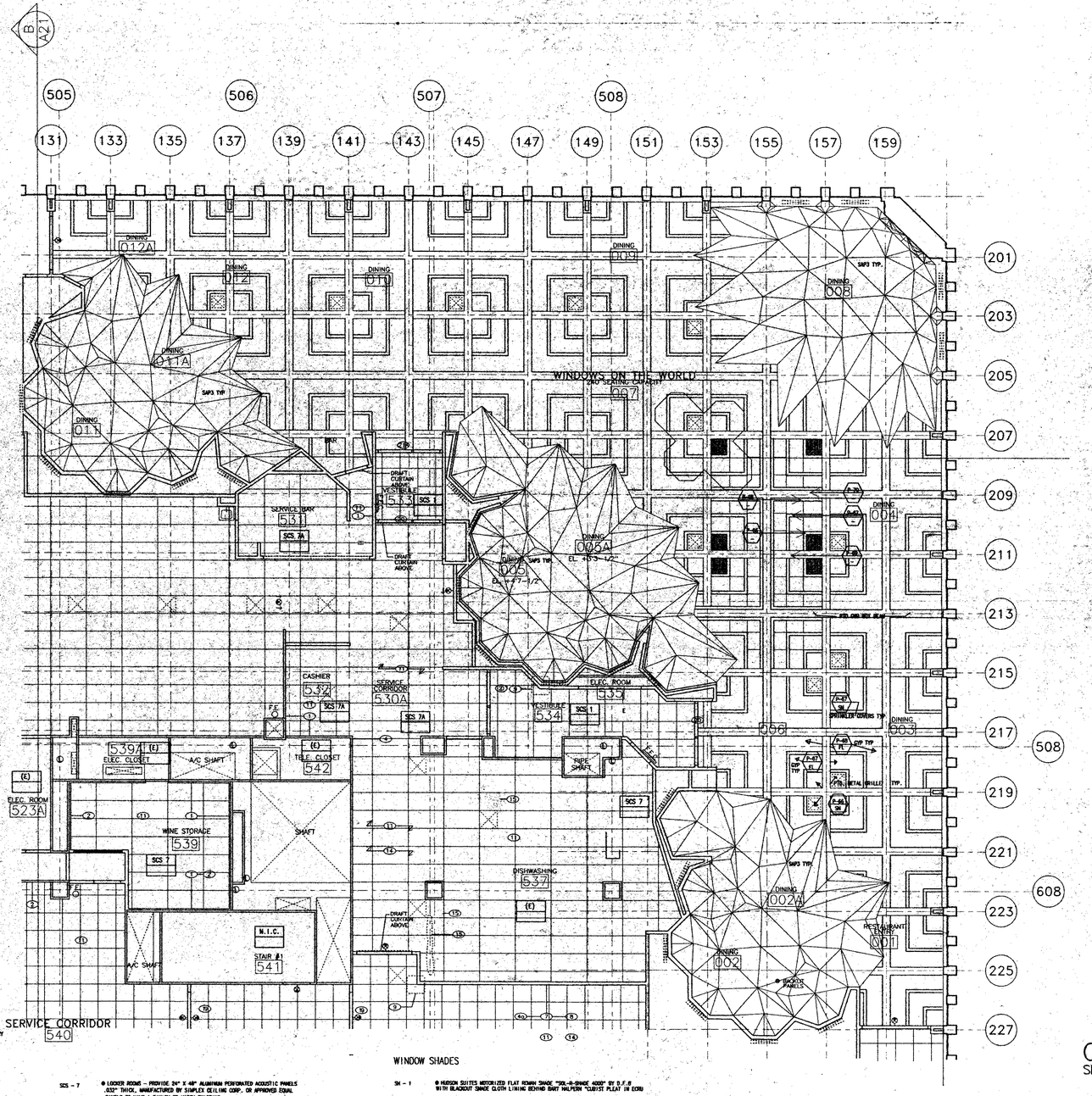
SH – 2 ● LIBERTY SUITES MOTORIZED FLAT ROMAN SHADE "SOL-R-SHADE 4000" BY D.F.B., WITH BLACKOUT SHADE CLOTH LINING BEHIND BART HALPERN "ZIG ZAG" 1M IVORY

SH – 3 ● PINNACLE SUITES MOTORIZED SOL-R-SHADE II 5000" BY D.F.B BEHIND CUSTOM D.F.B. FABRIC WITH SILVER STRIPES, COLOR TO BE SELECTED

SH – 4 ● 106 BANQUETS A – B – MOTORIZED "SOL-R-SHADES" WITH BASE FABRIC 5000 SERIES BLACKOUT LAMINATED TO FACE OF FABRIC BY POLLACK AND ASSOCIATES "CHIAROSCURO" IN GOLD

SH – 4B ● 106 BANQUETS C – F – MOTORIZED "SOL-R-SHADE" WITH BASE FABRIC 5000 SERIES BLACKOUT LAMINATED TO FACE OF FABRIC BY POLLACK AND ASSOCIATES "CHIAROSCURO" IN A CUSTOM COLOR SAPPHIRE

SH – 5 ● CELLAR MOTORIZED "SOL-R-SHADE" WITH 7 SERIES FABRIC. COLOR TO BE SELECTED



QUAD "B"
SEE SHEET 1126

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
ONE WORLD TRADE CENTER, 69TH FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
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1350 6TH AVENUE
NEW YORK, NEW YORK 10019

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STRUCTURAL ENGINEER:
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250 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
CINI-LITTLE INTERNATIONAL INC.
420 LEXINGTON AVENUE
NEW YORK, NEW YORK 10165

A/V ACOUSTICS:
JAMES NELSON WILKE
41 EAST 28TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
31 WEST 27TH STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
DAVID L. HIRSCHFELD, P.C.
71 WEST 47TH STREET
NEW YORK, NEW YORK 10018

TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
A	10/3/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT A
107TH REFLECTED CEILING
WINDOWS FINISH

HHPA PROJECT NO. 5466.03
DRAWING NO. 1125
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

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NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED (23) 1/2"-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

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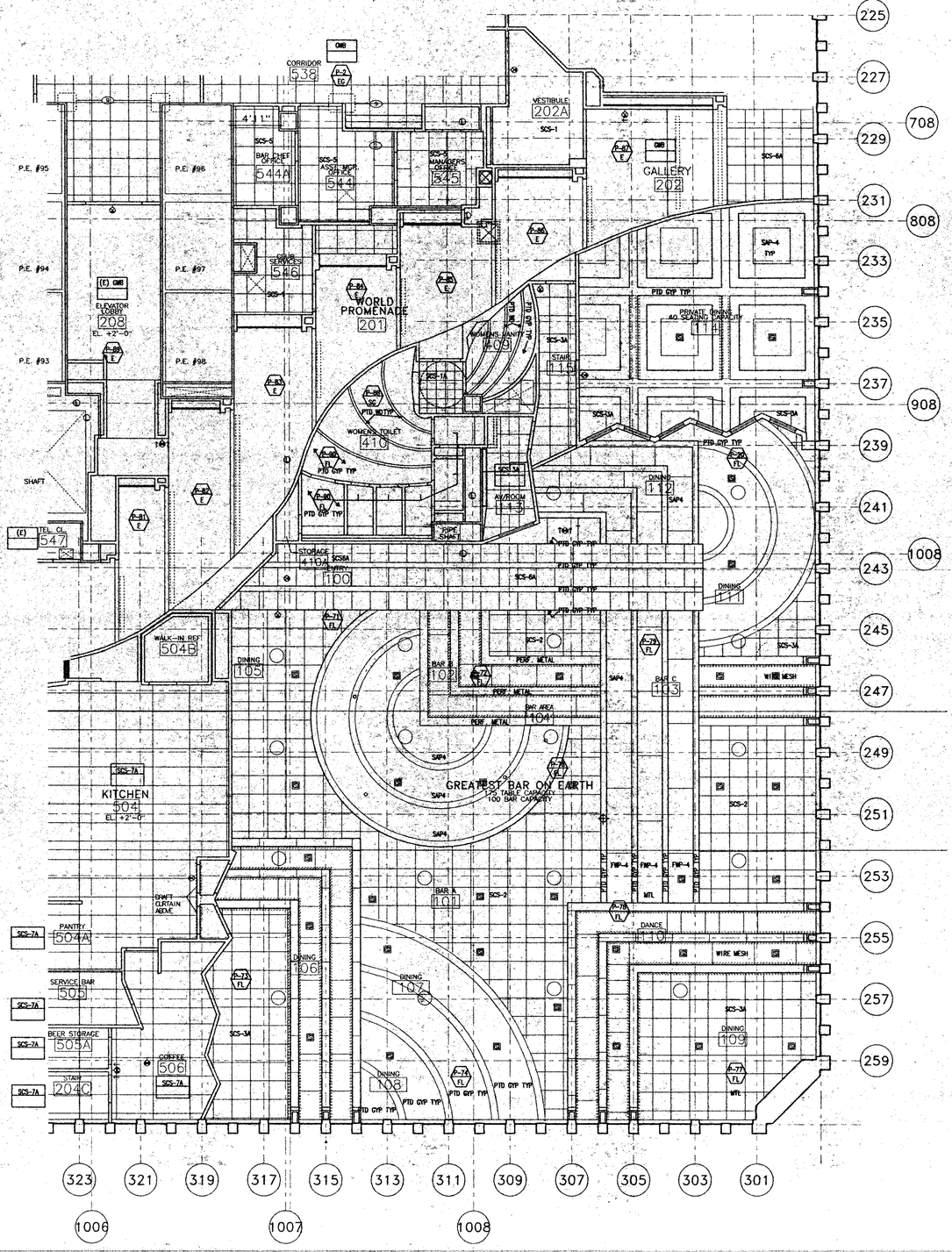

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

LANDLORD:
PORT AUTHORITY OF NY & NJ
1 WORLD TRADE CENTER, 72ND FLOOR WEST
NEW YORK, NEW YORK 10048

OPERATOR:
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136 5TH AVENUE
NEW YORK, NEW YORK 10010

ARCHITECT:
HARDY HOLZMAN PFEIFFER ASSOCIATES
622 BROADWAY 10TH FLOOR
NEW YORK, NEW YORK 10012

MEP ENGINEER:
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37 KNIGHT STREET
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STRUCTURAL ENGINEER:
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511 EAST 14TH STREET
NEW YORK, NEW YORK 10017

KITCHEN PLANNING:
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NEW YORK, NEW YORK 10018

A/V ACOUSTICS:
SHEN MILSOM WILKE
5 EAST 16TH STREET
NEW YORK, NEW YORK 10016

LIGHTING:
CLINE BETTRIDGE BERNSTEIN LIGHTING
10 WEST 33RD STREET
NEW YORK, NEW YORK 10010

CODE/ ADA:
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70 EAST 10TH STREET
NEW YORK, NEW YORK 10016

TOWER A TOWER B NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
A	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
107TH REFLECTED CEILING
GREATEST BAR FINISH

HHPA PROJECT NO. 5466.03
DRAWING NO. 1126
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

A/V EQUIP. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
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NOT USED (4a) PROVIDED NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
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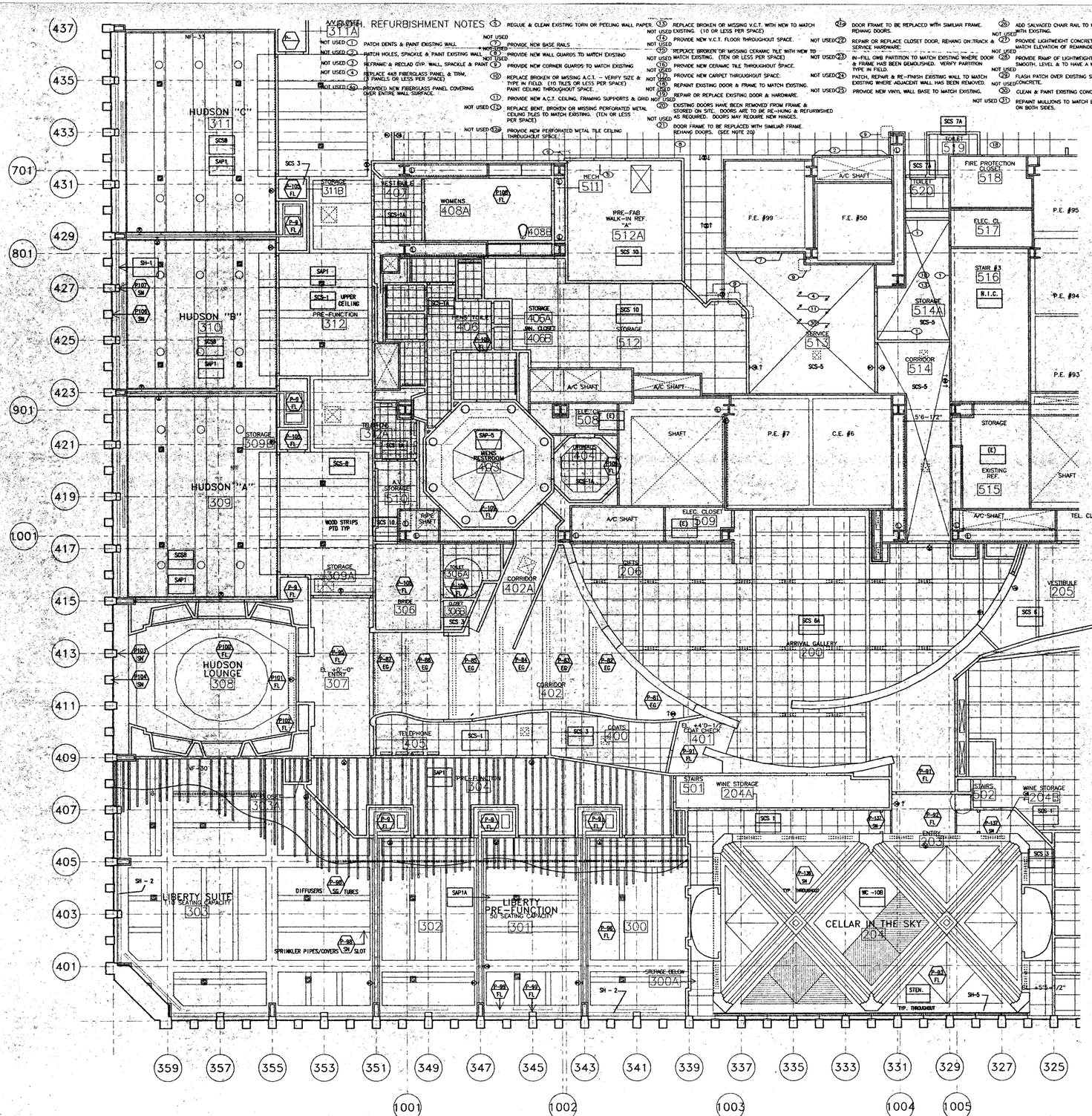

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OCT 11 1995
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
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CODE/ ADA:
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20 WEST 22ND STREET
NEW YORK, NEW YORK 10018

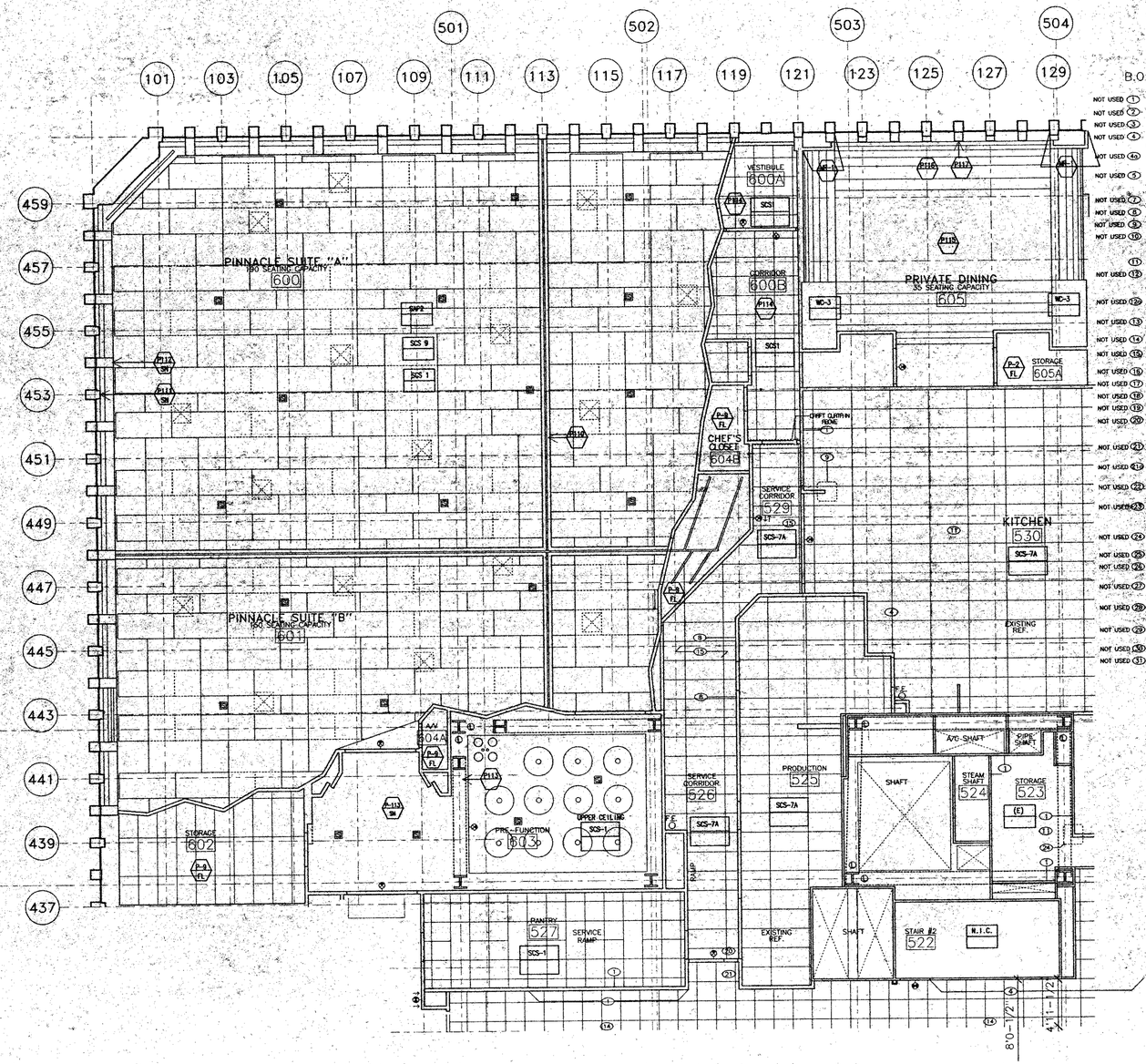
TOWER A · TOWER B · NORTH

NO.:	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
1	10/9/95	ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT C
107TH REFLECTED CEILING
FINISHES

HHPA PROJECT NO. 5466.03
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. 1127

TAA 951114.07



B.O.H. REFURBISHMENT NOTES

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT.
NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)
NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE.
NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED (6) PROVIDE NEW BASE RAILS.
NOT USED (7) PROVIDE NEW WALL GUARDS TO MATCH EXISTING.
NOT USED (8) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING.
NOT USED (10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
(11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID.
NOT USED (12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)
NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED (15) REPLACE BROKEN OR MISSING QUARRY TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE)
NOT USED (16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED (21) DOOR-FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED (22) REPAIR OR REPLACE CLOSET DOOR. REHANG ON TRACK & SERVICE HARDWARE.
NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN REMOVED. VERIFY PARTITION TYPE IN FIELD.
NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 48th ST., N.Y., N.Y.C. 10017

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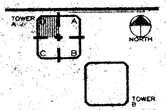


NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT D
107TH REFLECTED CEILING
PINNACLE SUITE FINISHES

HMPA PROJECT NO. 5466.03
DRAWING NO. 1128
DATE: JULY 31, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

NOT USED (4) REPLACE GWB FIBERGLASS PANEL & TRIM. (3 PANELS OR LESS PER SPACE)

NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL COVERING OVER ENTIRE WALL SURFACE

NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.

NOT USED (7) PROVIDE NEW BASE RWLS

NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING

NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING

(10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.

(11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID

(12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE)

(12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.

NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE)

NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE

NOT USED (15) REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE) POINT/REGROUT AS REQ'D

NOT USED (16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.

NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.

NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.

NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.

NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.

NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)

NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.

NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.

NOT USED (23) IN-FILL GWB PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.

NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.

NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.

NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.

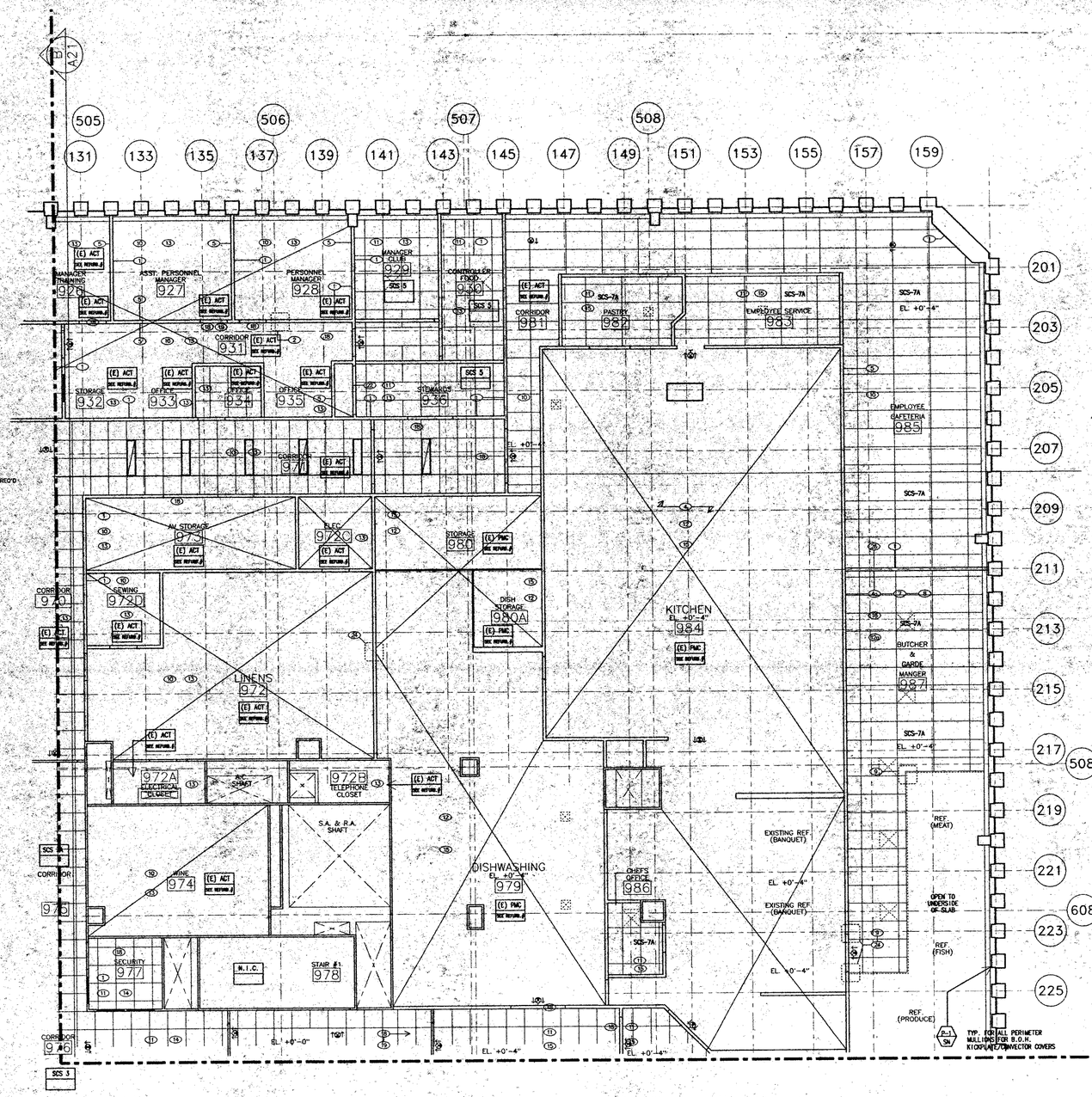
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.

NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL @ TO HAVE A MAXIMUM SLOPE OF 1:12.

NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.

NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING. CLEAN GLASS ON BOTH SIDES.



NOTE:
WHERE NEW WALLS PENETRATE EXIST. CEILINGS REPAIR GRID AND PROVIDE NEW PANELS FOR CLOSER.

QUAD "B"
SEE SHEET A470

WINDOWS ON THE WORLD
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30 WEST 22ND STREET
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CODE/ ADA:
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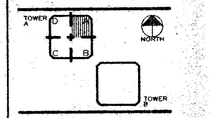
70 WEST 40TH STREET
NEW YORK, NEW YORK 10018



NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT A
106TH REFLECTED CEILING
BACK OF HOUSE FINISH

HHPA PROJECT NO. 5466.03
DRAWING NO. 1129
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07

REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL

NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL

NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT

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NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.

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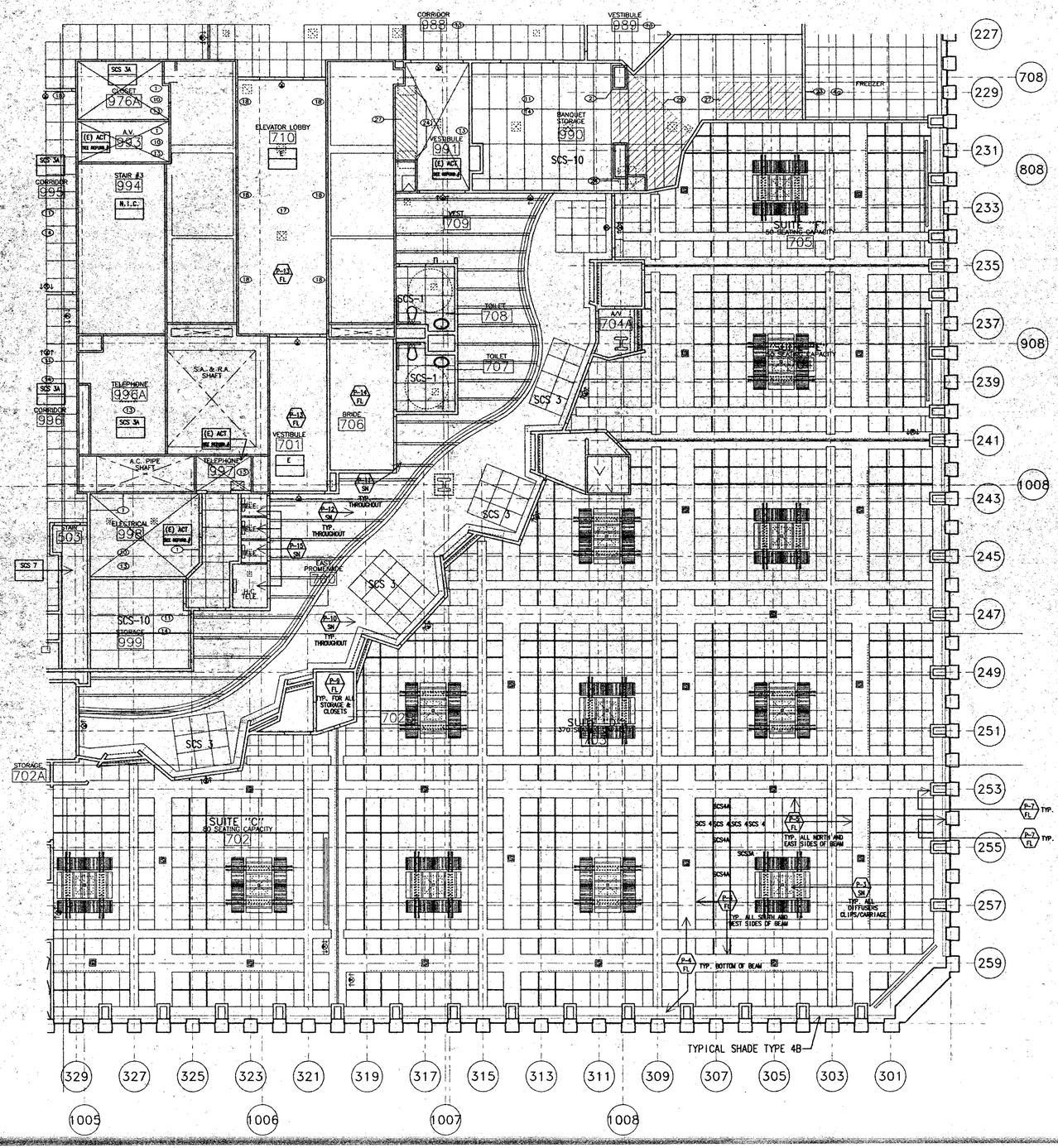

NOTE:

WHERE NEW WALLS PENETRATE EXIST. CEILINGS REPAIR GRID AND PROVIDE NEW PANELS FOR CLOSER.

WINDOWS ON THE WORLD
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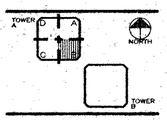


NO.: DATE: REVISIONS:

CONSTRUCTION DOCUMENTATION SUBMISSION

1 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT B
106TH REFLECTED CEILING
SUITES C,D,E,F FINISHES

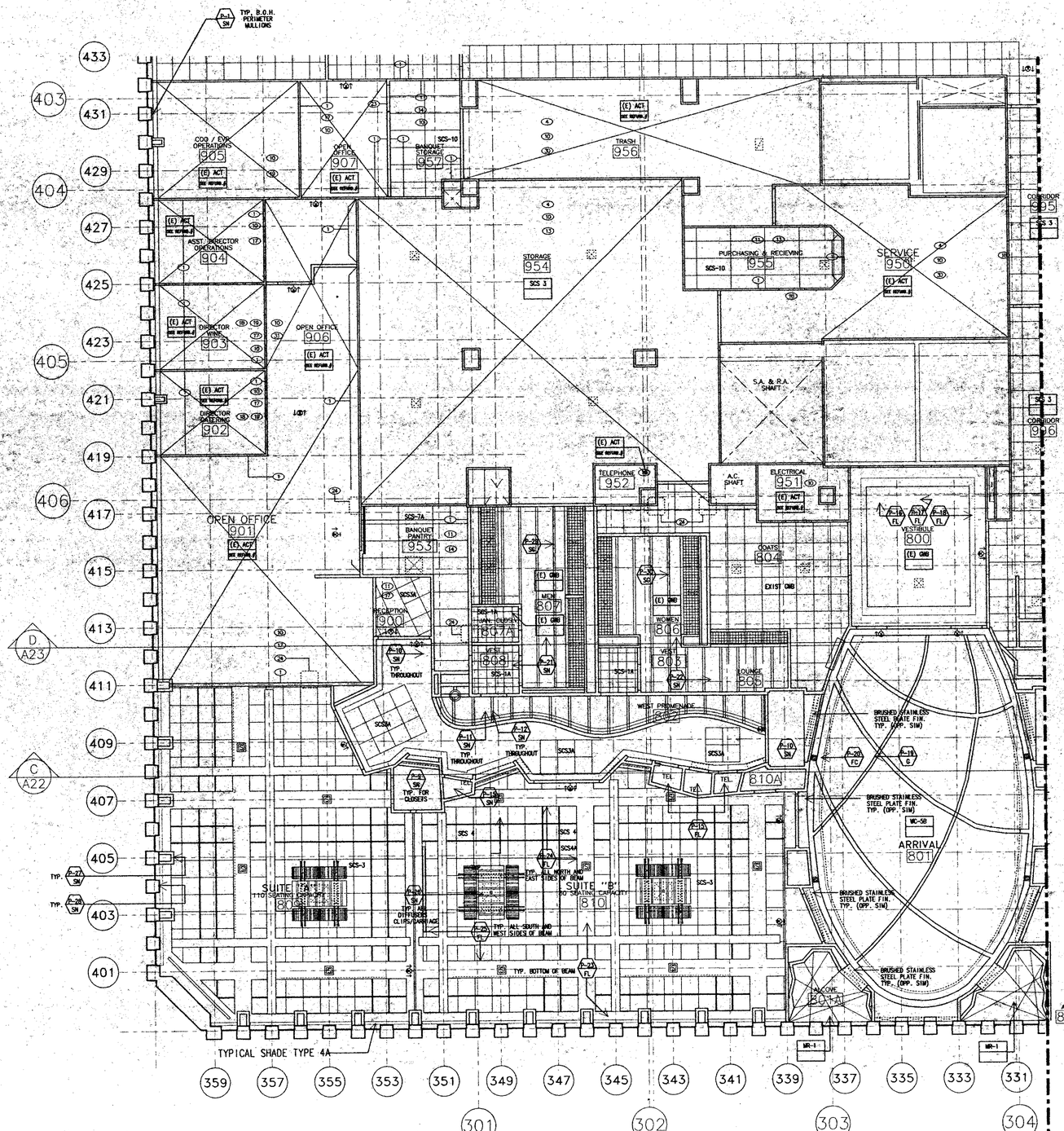
HHPA PROJECT NO. 5466.03

DRAWING NO. 1130

DATE: JULY 17, 1995

SCALE: 1/4"=1'-0"

TAA 951114.07



REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
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NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

NOTE:
WHERE NEW WALLS PENETRATE EXIST. CEILINGS REPAIR GRID AND PROVIDE NEW PANELS FOR CLOSURE.

WINDOWS ON THE WORLD
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TOWER D A B TOWER NORTH

NO.: DATE: REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION
A 10/9/95 ISSUE FOR CONSTRUCTION

TITLE:
QUADRANT C
106TH REFLECTED CEILING FINISHES
HHPA PROJECT NO. 5466.03
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"
DRAWING NO. A1131

TAA 951114.07

QUAD "C"
SEE SHEET

REFURBISHMENT NOTES (B.O.H.)

NOT USED (1) PATCH DENTS & PAINT EXISTING WALL.
NOT USED (2) PATCH HOLES, SPACKLE & PAINT EXISTING WALL.
NOT USED (3) REFRAME & RECLAD GYP. WALL, SPACKLE & PAINT
NOT USED (4) REPLACE 4X8 FIBERGLASS PANEL, & TRIM. (3 PANELS OR LESS PER SPACE).
NOT USED (4a) PROVIDE NEW FIBERGLASS PANEL, COVERING OVER ENTIRE WALL SURFACE.
NOT USED (5) REGLUE & CLEAN EXISTING TORN OR PEELING WALL PAPER.
NOT USED (7) PROVIDE NEW BASE RAILS
NOT USED (8) PROVIDE NEW WALL GUARDS TO MATCH EXISTING
NOT USED (9) PROVIDE NEW CORNER GUARDS TO MATCH EXISTING
(10) REPLACE BROKEN OR MISSING A.C.T. – VERIFY SIZE & TYPE IN FIELD. (10 TILES OR LESS PER SPACE) PAINT CEILING THROUGHOUT SPACE.
(11) PROVIDE NEW A.C.T. CEILING, FRAMING SUPPORTS & GRID
(12) REPLACE BENT, BROKEN OR MISSING PERFORATED METAL CEILING TILES TO MATCH EXISTING. (TEN OR LESS PER SPACE).
NOT USED (12a) PROVIDE NEW PERFORATED METAL TILE CEILING THROUGHOUT SPACE.
NOT USED (13) REPLACE BROKEN OR MISSING V.C.T. WITH NEW TO MATCH EXISTING. (10 OR LESS PER SPACE).
NOT USED (14) PROVIDE NEW V.C.T. FLOOR THROUGHOUT SPACE.
NOT USED (15) REPLACE BROKEN OR MISSING CERAMIC TILE WITH NEW TO MATCH EXISTING. (TEN OR LESS PER SPACE).
NOT USED (16) PROVIDE NEW CERAMIC TILE THROUGHOUT SPACE.
NOT USED (17) PROVIDE NEW CARPET THROUGHOUT SPACE.
NOT USED (18) REPAINT EXISTING DOOR & FRAME TO MATCH EXISTING.
NOT USED (19) REPAIR OR REPLACE EXISTING DOOR & HARDWARE.
NOT USED (20) EXISTING DOORS HAVE BEEN REMOVED FROM FRAME & STORED ON SITE. DOORS ARE TO BE RE-HUNG & REFURBISHED AS REQUIRED. DOORS MAY REQUIRE NEW HINGES.
NOT USED (21) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS. (SEE NOTE 20)
NOT USED (21a) DOOR FRAME TO BE REPLACED WITH SIMILAR FRAME. REHANG DOORS.
NOT USED (22) REPAIR OR REPLACE CLOSET DOOR, REHANG ON TRACK & SERVICE HARDWARE.
NOT USED (23) RE-FILL CMU PARTITION TO MATCH EXISTING WHERE DOOR & FRAME HAS BEEN DEMOLISHED. VERIFY PARTITION TYPE IN FIELD.
NOT USED (24) PATCH, REPAIR & RE-FINISH EXISTING WALL TO MATCH EXISTING WHERE ADJACENT WALL HAS BEEN REMOVED.
NOT USED (25) PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING.
NOT USED (26) ADD SALVAGED CHAIR RAIL TO NEW PARTITION – ALIGN WITH EXISTING.
NOT USED (27) PROVIDE LIGHTWEIGHT CONCRETE OVER EXISTING RAMP TO MATCH ELEVATION OF REMAINDER OF ROOM.
NOT USED (28) PROVIDE RAMP OF LIGHTWEIGHT POURED CONCRETE TO BE SMOOTH, LEVEL, & TO HAVE A MAXIMUM SLOPE OF 1:12.
NOT USED (29) FLASH PATCH OVER EXISTING SLAB WITH LIGHTWEIGHT CONCRETE.
NOT USED (30) CLEAN & PAINT EXISTING CONCRETE SLAB.
NOT USED (31) REPAINT MULLIONS TO MATCH EXISTING, CLEAN GLASS ON BOTH SIDES.

NOTE:
WHERE NEW WALLS PENETRATE EXIST. CEILINGS REPAIR GRID AND PROVIDE NEW PANELS FOR CLOSER.

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OCT 11 1995
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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PORT AUTHORITY OF N.Y. & N.J.
1 WORLD TRADE CENTER, 66TH FLOOR WEST
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OPERATOR:
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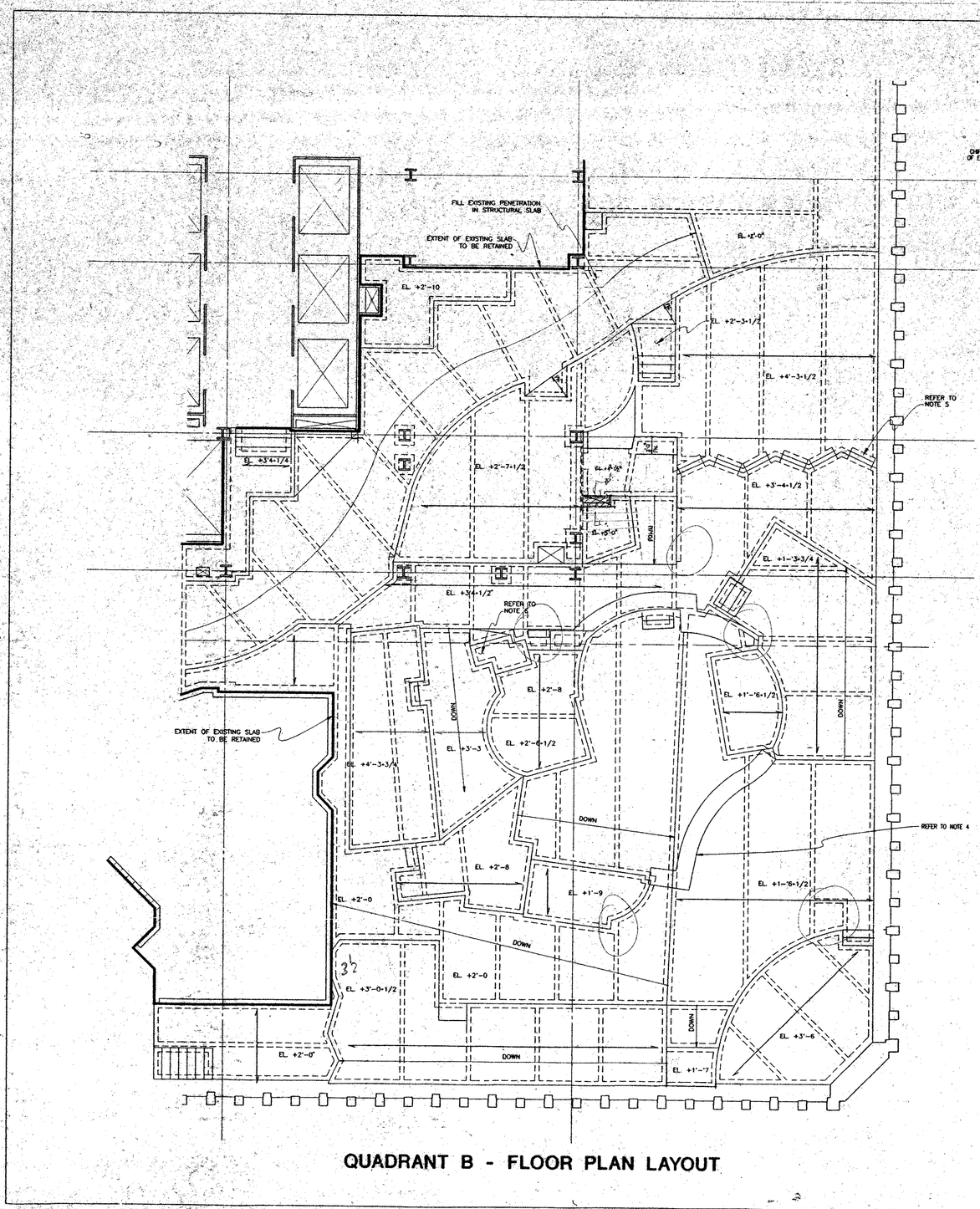
TOWER A | TOWER B | TOWER C | TOWER D | NORTH

NO.	DATE:	REVISIONS:
CONSTRUCTION DOCUMENTATION SUBMISSION		
A	10/6/95	ISSUE FOR CONSTRUCTION

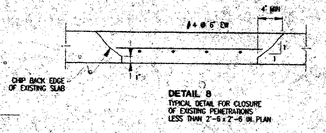
TITLE:
QUADRANT D
106TH REFLECTED CEILING
BACK OF HOUSE FINISHES

HHPA PROJECT NO.: 5466.03
DRAWING NO.: 1132
DATE: JULY 17, 1995
SCALE: 1/4"=1'-0"

TAA 951114.07



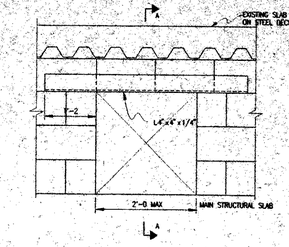
QUADRANT B - FLOOR PLAN LAYOUT

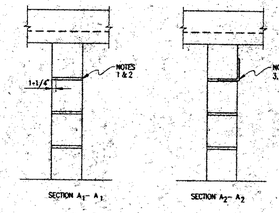


DETAIL 8
TYPICAL DETAIL FOR CLOSURE OF EXISTING PENETRATIONS LESS THAN 2'-0 I 2'-0 IN. PLAN

GENERAL NOTES

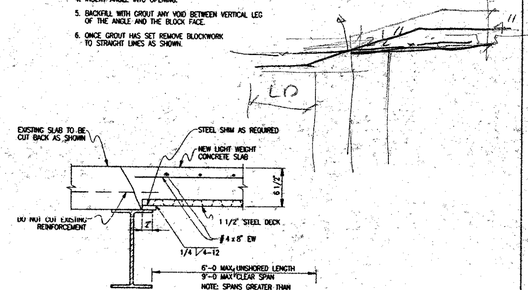
1. FOR GENERAL NOTES, STEEL DECK AND CONCRETE SLAB NOTES REFER TO DRAWING S400
2. FOR TYPICAL DETAILS REFER TO DRAWING S400
3. ALL DIMENSIONS SHOWN ARE APPROXIMATE REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ARCHITECTURAL SET DOWN IN SLAB. MINIMUM DEPTH OF SET DOWN INTO NEW SLAB TO BE 1/2" DEPRESS MESH REINFORCEMENT LOCALLY TO MAINTAIN 3/4" CLEAR COVER.
5. REFER TO ARCHITECTURAL DRAWINGS FOR BLOCKOUT DETAIL FOR WINDOWS.
6. REFER TO ARCHITECTURAL DRAWING FOR DETAIL OF SUPPORT FOR WATER DISPLAY TANKS.





DETAIL 9
LINTEL INSTALLATION INCISTING BLOCKWALLS SUPPORTING RAISED SLABS.

1. REMOVE MORTAR JOINT BETWEEN TOP TWO BLOCKS, LEAVE 1-1/4" MIN OF EXISTING MORTAR IN PLACE.
2. PLACE GROUT, MIXED TO A SMOOTH FLUID CONSISTENCY, ALONG LOWER SURFACE OF OPENING.
3. PLACE A LAYER OF GROUT ON HORIZONTAL SURFACE OF THE ANGLE.
4. INSERT ANGLE INTO OPENING.
5. BACKFILL WITH GROUT ANY VOID BETWEEN VERTICAL LEG OF THE ANGLE AND THE BLOCK FACE.
6. ONCE GROUT HAS SET REMOVE BLOCKWORK TO STRAIGHT LINES AS SHOWN.



DETAIL 10
TYPICAL INFILL SLAB EDGE DETAIL FOR EXISTING SLABS TRIMMED BY STEEL BEAMS

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NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	28 JULY 1995	REVISION
3	5 OCT 1995	REVISION

TITLE:
QUADRANT B-LEVEL 107 ELEVATED CONCRETE SLAB FRAMING PLAN

WORK PROJECT NO.: 5495.01
DRAWING NO.: S-
DATE: 24 APR 95

WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE INSCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

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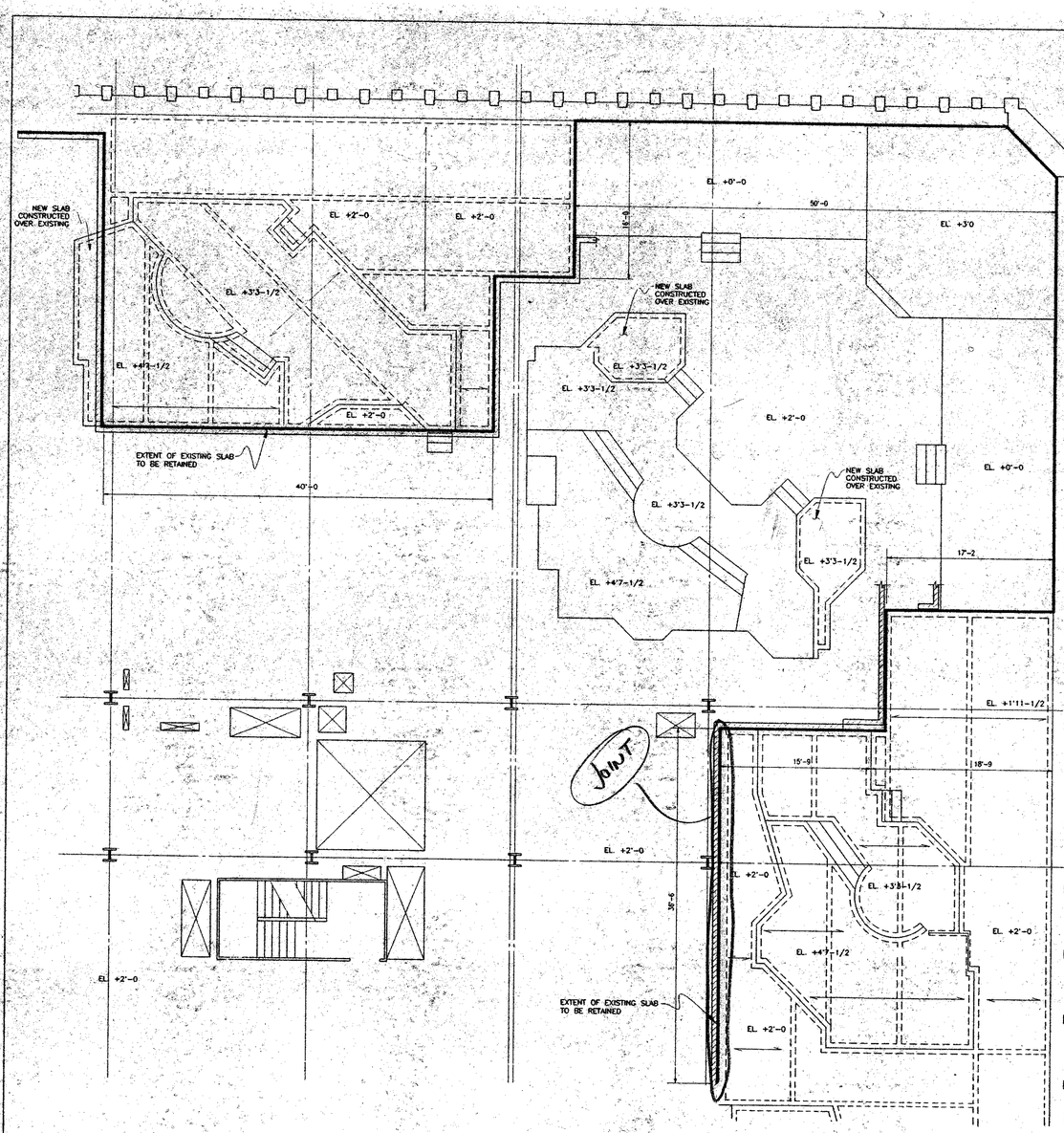


QUADRANT A - FLOOR PLAN LAYOUT

STEEL DECK NOTES

1. STEEL DECK UNITS AND ACCESSORIES SHALL BE FABRICATED FROM STEEL SHEET CONFORMING TO ASTM A446, GRADE C, GALVANIZED TO G-60, WITH A MINIMUM YIELD POINT OF 40 KSI. - DECK SHALL BE 19 GAGE, 1.5" LOK FLOOR BY UNITED STEEL DECK, INC OR EQUIVALENT.
2. PROVIDE COMPOSITE DECK EXCEPT WHERE SPECIFICALLY INDICATED TO THE CONTRARY IN THE CONTRACT DOCUMENTS. DECK UNITS SHALL INCORPORATE DEFORMATIONS SPECIFICALLY DESIGNED TO PRODUCE COMPOSITE ACTION BETWEEN THE METAL DECK AND THE CONCRETE SLAB TO BE PLACED OVER THE DECK.
3. EXCEPT AS OTHERWISE NOTED, EDGE LAPS SHALL BE CONNECTED WITH 3/4" ø FUSION WELDS AT SPACING TO PROVIDE SUFFICIENT DIAPHRAM STRENGTH TO LATERALLY CONTAIN CONCRETE AND TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION. MAXIMUM SPACING SHALL BE 1'-0" O.C. THROUGHOUT EXCEPT THAT CANTILEVER SPANS SHALL RECEIVE NOT LESS THAN ONE WELD AT THE DECK END AND NOT LESS THAN ONE WELD 12 INCHES IN FROM THE DECK END. BUTTON PUNCHING AT 1'-0" O.C. THROUGHOUT, EXCEPT AT CANTILEVER ENDS WHERE SPACING SHALL BE 1'-6" O.C., IS AN ACCEPTABLE ALTERNATE TO MINIMUM FUSION WELDING.
4. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/8"ø FUSION WELDS, AT EACH END, AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT 12" O.C. AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RUNS OF MULTI SPAN DECK WHERE CONNECTORS ARE TO BE APPLIED EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, TO BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL, AND TO PROVIDE SUFFICIENT DIAPHRAM STRENGTH TO MAINTAIN ALIGNMENT.
5. PROPOSED OPENINGS THROUGH SLABS/DECK OR DECK WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE DIRECTED THROUGH ARCHITECT TO STRUCTURAL ENGINEER FOR REVIEW.
6. WELDING MATERIALS SHALL CONFORM TO BUILDING CODE AND TO AWS A5.1 OR A5.5 AND SHALL BE E70XX OR E60XX. FOR JOINING STEEL DECK TO STRUCTURAL STEEL AND FOR WELDING STEEL DECK EDGE LAPS: E7018 FOR JOINING STEEL SHAPES AND PLATES.
7. PLACE STEEL DECK UNITS WITH 2 INCH MINIMUM END BEARING AND 1-1/4 INCH MINIMUM SIDE BEARING ON SUPPORTING FRAMEWORK.
8. PROVIDE METAL CLOSURE STRIPS AT ALL OPEN UNCOVERED ENDS AND EDGES OF DECKING AND IN VOIDS BETWEEN DECKING AND OTHER CONSTRUCTION. CLOSURE STRIPS SHALL BE NOT THINNER THAN 20 GAUGE GALVANIZED SHEET STEEL, FORMED INTO POSITION TO PROVIDE A COMPLETE DECKING INSTALLATION. DO NOT OBSTRUCT DECK VALLEYS.
9. AT INTERIOR AND EXTERIOR PERIMETER EDGE CONDITIONS PROVIDE GAUGE THICKNESS SHEET STEEL EDGE ANGELS, EDGE PLATES ANGLES AND/OR ROLLED STEEL ANGLES. PROVIDE GALVANIZED MATERIAL OF NOT THINNER THAN 12 GAUGE, WITH A 4" CONTINUOUS, 1 INCH DEEP HOOK WITH SUBSTANTIAL SHOP FABRICATED AND SHOP ATTACHED STIFFENERS. PRIME AND WELD IN PLACE. EDGE CONDITIONS INSTALLATION SHALL BE TRUE TO LINE AND ELEVATION.
10. THE STEEL DECK INSTALLATION, UPON COMPLETION, SHALL BE NEAT IN APPEARANCE AND SUITABLE TO RECEIVE CONCRETE WITHOUT LEAKAGE BETWEEN SECTIONS OR THROUGH END AND EDGE CLOSURES.
11. ——INDICATES THE DIRECTION OF STRUCTURAL DECK. WHERE NO DIRECTION IS INDICATED SPAN DECK IN THE SHORT DIRECTION.
12. CONTRACTOR TO PROVIDE ADEQUATE FASTENING OF DECK TO SUPPORT WALLS TO PREVENT THE MOVEMENT OF THE DECK DURING CONSTRUCTION.

GENERAL NOTES

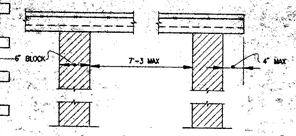
1. DIMENSIONS SHOWN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

GENERAL NOTES

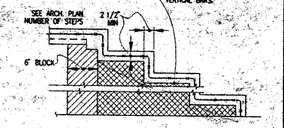
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "BUILDING CODE OF THE CITY OF NEW YORK", HEREINAFTER REFERRED TO AS BUILDING CODE, WITH THE SPECIFICATIONS, AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
2. CONTRACTOR SHALL KEEP AT LEAST ONE FULL COPY OF THE FOLLOWING DOCUMENTS IN THE FIELD OFFICE AT ALL TIMES:
   A. BUILDING CODE.
   B. FIELD REFERENCE MANUAL: SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301-96 (REVISED 1998), WITH SELECTED ACI AND ASTM REFERENCES, ACI FIELD REFERENCE MANUAL, SP-15(98).
   C. AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN, NINTH EDITION.
3. SPECIFICATIONS

CONCRETE SLAB NOTES

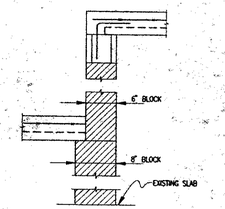
1. SLAB CONSTRUCTION IS 2 1/2" THICK LIGHTWEIGHT CONCRETE ON 1 1/2" METAL DECK UNLESS NOTED OTHERWISE.
2. ELEVATIONS INDICATED ARE FINISHED FLOOR ELEVATIONS UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL DRAWINGS TO DETERMINE TOP OF STRUCTURE.
3. CONCRETE SHALL BE LIGHTWEIGHT (115 PCF) WITH F'C = 3000 PSI.
4. SLABS AND STAIRS SHALL BE REINFORCED WITH ONE LAYER OF 6 x 6 W2 x W2 WELDED WIRE FABRIC 1/8" CLEAR FROM TOP SURFACE UNLESS NOTED OTHERWISE. LAP IN ACCORDANCE WITH 12.8 OF ACI 318.89
5. UNLESS OTHERWISE NOTED EDGES OF PENETRATIONS, UP TO 1'-0 SQUARE, AND RE-ENTRANT CORNERS TO BE REINFORCED WITH 2 #4 BARS 3'-6" PLACED IN CENTER OF SLAB, TYPICAL.
6. FOR LOCATIONS OF ALL EMBEDDED OBJECTS AND PENETRATIONS COORDINATE WITH ARCHITECTURAL AND SERVICES DRAWINGS.
7. ALL BLOCK WALLS SHALL BE CONSTRUCTED OF LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY UNITS AND SHALL BE 8" THICK UNLESS OTHERWISE NOTED. MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI.
8. WHERE PENETRATIONS ARE REQUIRED THROUGH THE BLOCK WALLS, BOTH NEW AND EXISTING, LINTEL SHALL CONFORM TO THAT SHOWN IN DETAIL 7 ON DRAWING S410. UNLESS NOTED OTHERWISE.
9. MORTAR TO CONFORM TO ASTM C270 TYPE M, F'C - 2500 PSI.
10. CONCRETE FOR TOPPING SLABS TO BE LIGHTWEIGHT (115 PCF) WITH F'C = 3000 PSI. REINFORCEMENT TO BE 6 X 6 W2 X W2 WELDED WIRE FABRIC PLACED CENTRAL - 3/4" CLEAR COVER MINIMUM. MAXIMUM THICKNESS 3".



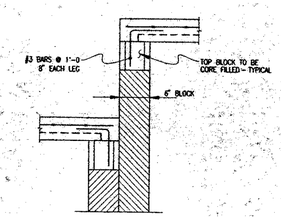
DETAIL 1
TYPICAL DETAIL FOR INTERIOR SUPPORT WALL



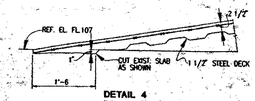
DETAIL 2
TYPICAL STAIR DETAIL
WHERE STAIR HAS 3 RISERS OR LESS DELETE FOAMGLAS AND USE MASS CONCRETE WITH REINFORCEMENT AS DETAILED



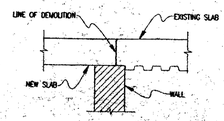
DETAIL 3-OPTION A
TYPICAL DETAIL FOR SLAB SUPPORT AT ELEVATION CHANGES



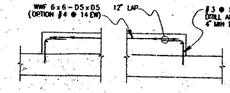
DETAIL 3 OPTION B
TYPICAL DETAIL FOR SLAB SUPPORT AT ELEVATION CHANGES



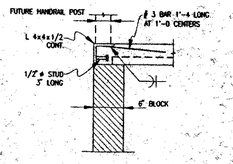
DETAIL 4
TYPICAL CONNECTION DETAIL FOR RAMP INTO EXISTING SLAB



DETAIL 5
TYPICAL SUPPORT DETAIL WHERE EDGE OF EXISTING SLAB SPANNING BETWEEN TWO EXISTING WALLS IS UNSUPPORTED FOLLOWING DEMOLITION. SUPPORT EDGE OF EXISTING SLAB ON NEW WALL



DETAIL 6
1. FOR SIZE AND LOCTION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB CLEAN THOROUGHLY AND APPLY EPOXY BONDING COMPOUND IMMEDIATELY BEFORE EXISTING CURB OR PAD.



DETAIL 7
TYPICAL EDGE DETAIL FOR SLAB WHERE HANDRAILS ARE TO BE LOCATED

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FOR CONSTRUCTION

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LANDLORD:
PORT AUTHORITY OF NY & NJ
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NEW YORK, NEW YORK 10048

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30 38TH STREET
NEW YORK, NEW YORK 10010

CIVIL/ MEP:
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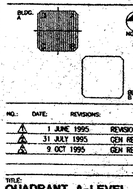
NEW YORK, NEW YORK 10018

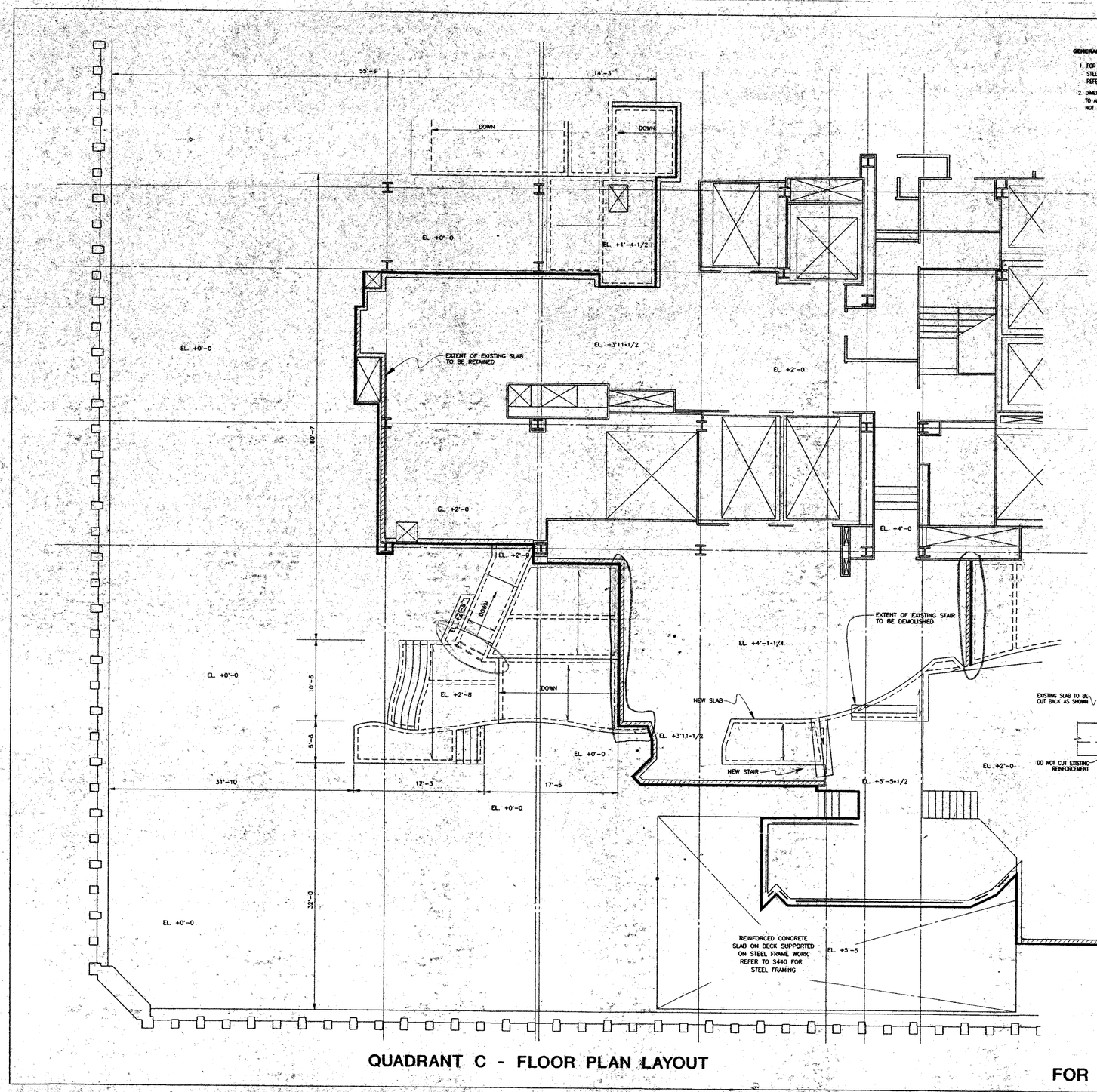


NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	31 JULY 1995	GEH REV.
3	9 OCT 1995	GEH REV.

TITLE:
QUADRANT A-LEVEL 107 ELEVATED CONCRETE SLAB FRAMING PLAN

HHPA PROJECT NO.: 5456.01
DRAWING NO.: **S400**
DATE: 24/APR/1995
SCALE:

TAA - 951114.07



QUADRANT C - FLOOR PLAN LAYOUT

GENERAL NOTES

1. FOR GENERAL NOTES CONCRETE SLAB NOTES STEEL DECK NOTES AND TYPICAL DETAILS REFER TO S400
2. DIMENSIONS SHOWN ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

RECEIVED
OCT 11 1995
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WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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NEW YORK, NEW YORK 10010

CODE/ ADA:
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BLDG. A — NORTH — BLDG.

NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	9 JUNE 1995	FOR REVIEW
3	31 JULY 1995	FOR REVIEW
4	9 OCT. 1995	GEN. REV.

TITLE:
QUADRANT C-LEVEL 107 ELEVATED CONCRETE SLAB FRAMING PLAN

HHPA PROJECT NO. 9446.01 — DRAWING NO. **S420**

DATE: 24/APR/1995
SCALE:

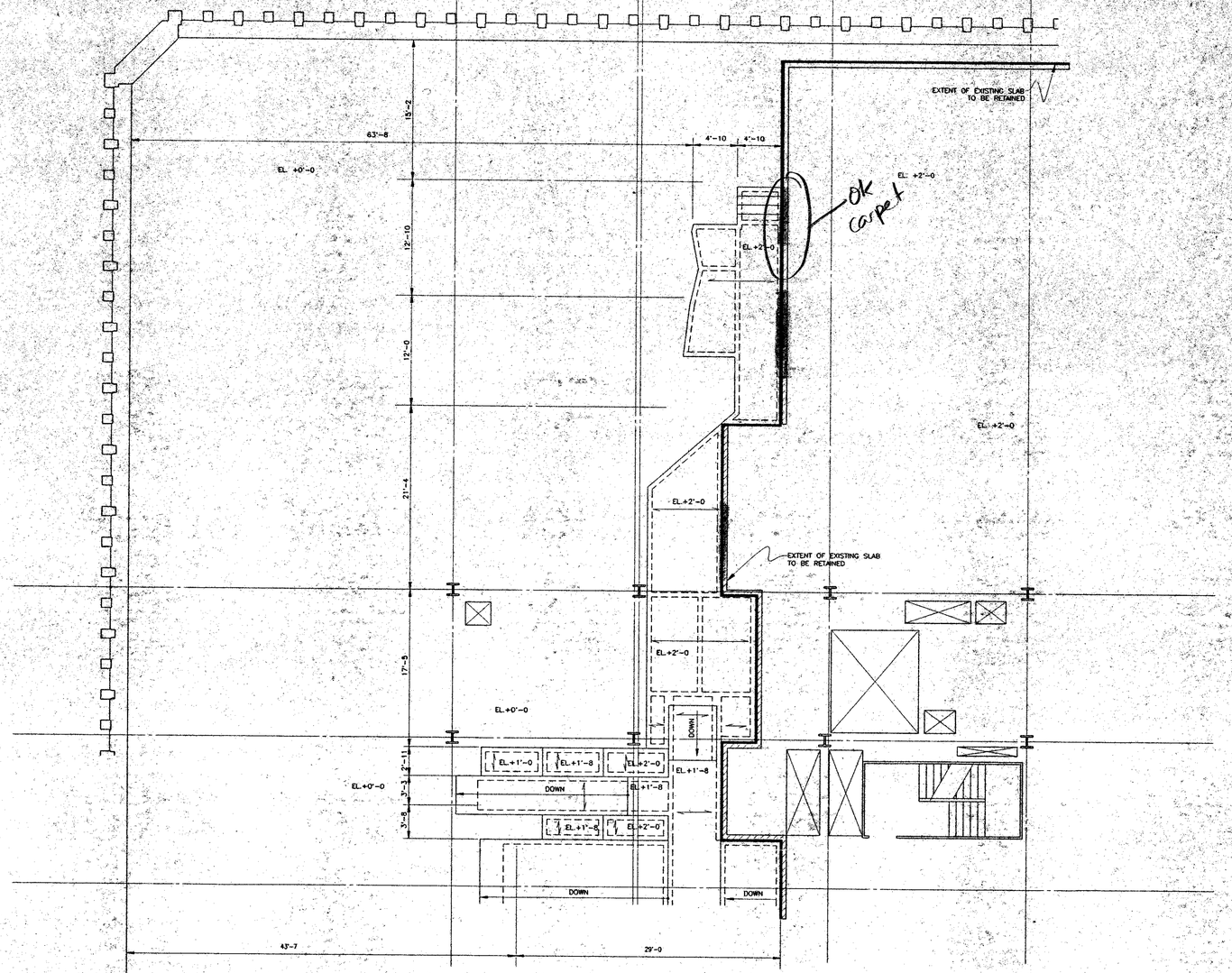
WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE DESCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

TAA – 951114.07

GENERAL NOTES

1. FOR GENERAL NOTES, STEEL DECK AND CONCRETE SLAB NOTES REFER TO DRAWING S400
2. FOR TYPICAL DETAILS REFER TO DRAWING S400
3. DIMENSIONS SHOWN ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.



QUADRANT D - FLOOR PLAN LAYOUT

WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE INSCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

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WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK

HARDY HOLZMAN PFEIFFER ASSOCIATES

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REAL ESTATE DEPARTMENT
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NEW YORK, NEW YORK 10048

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NEW YORK, NEW YORK 10019

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STRUCTURAL ENGINEER:
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KITCHEN PLANNING:
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NEW YORK, NEW YORK 10163

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NEW YORK, NEW YORK 10048

LIGHTING:
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NEW YORK, NEW YORK 10010

CODE/ ADA:
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70 WEST 93rd STREET
NEW YORK, NEW YORK 10025

BLDG. A — NORTH — BLDG. B

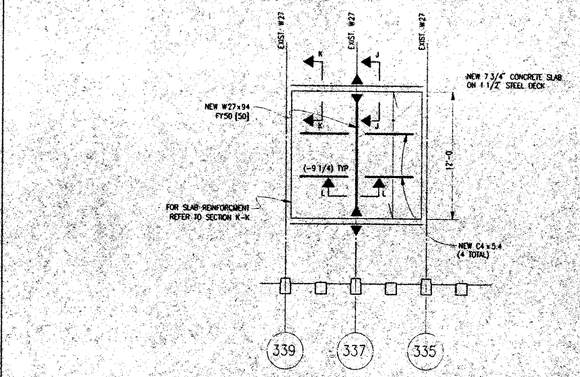
NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	28 JULY 1995	REVISION
3	9 OCT. 1995	REVISION

TITLE:
QUADRANT D-LEVEL 107 ELEVATED CONCRETE SLAB FRAMING PLAN

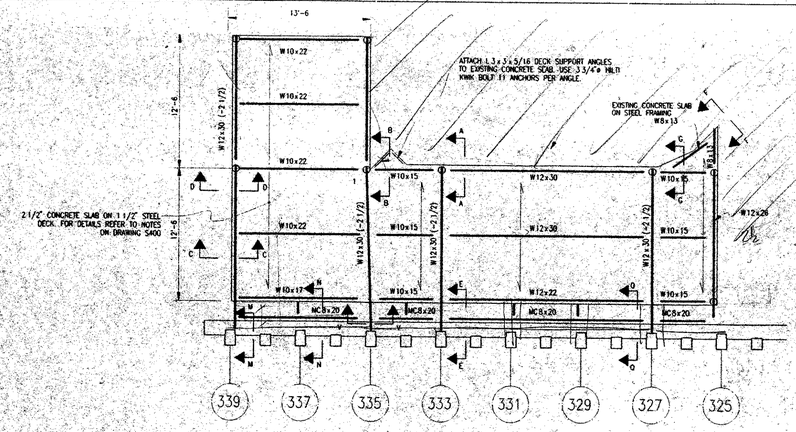
HHPA PROJECT NO. 5446.01 — DRAWING NO. **S430**

DATE: 25/APR/1995
SCALE:

TAA – 951114.07



FLOOR FRAMING PLAN FOR SLAB INFILL
ELEVATION OF FINISHED FLOOR + 0'-0



FLOOR FRAMING PLAN FOR CELLAR IN THE SKY
ELEVATION OF FINISHED FLOOR + 5'-5

GENERAL NOTES

1. FOR GENERAL NOTES, STEEL DECK AND CONCRETE SLAB NOTES REFER TO DRAWING S400

Refer to earlier edition as Rev for 11" RFI Book (13 Nov 95) for SS notes

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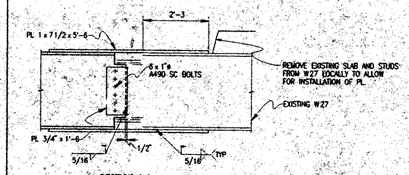
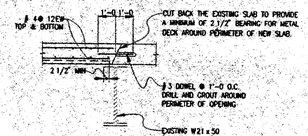
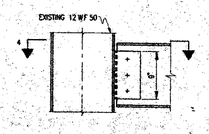
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



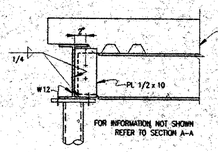
SECTION J-J



SECTION K-K
CONNECTION OF THE NEW SLAB INTO THE EXISTING SLAB

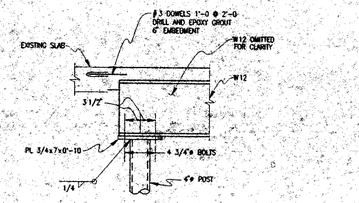


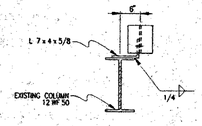
SECTION M-M



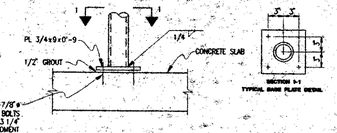
FOR INFORMATION NOT SHOWN REFER TO SECTION A-A

SECTION D-D
TYPICAL CONNECTION FOR W10 OR W12 BEAM TO W12 GIRDER ABOVE POST. USE 3 BOLT CONNECTION FOR W12 BEAM TO W12 GIRDER.

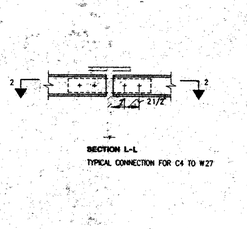




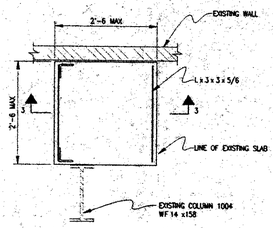
SECTION 4-4



SECTION A-A

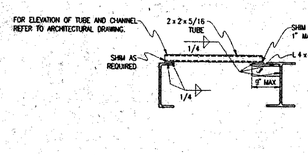


SECTION L-L
TYPICAL CONNECTION FOR C4 TO W27

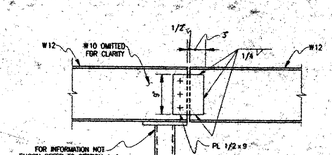


NEW STEEL FLOOR ELECTRICAL CLOSET
LEVEL 107 QUADRANT C
DIMENSIONS TO BE VERIFIED IN FIELD

SECTION E-E
CONNECTION OF W12 INTO EXISTING 12 WF 50 COLUMN

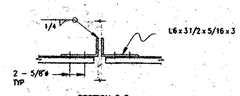


SECTION H-H

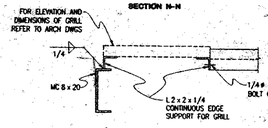


FOR INFORMATION NOT SHOWN REFER TO SECTION A-A

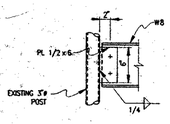
SECTION B-B
SPLICE CONNECTION FOR W12 BEAMS
(NOTE FOR SPLICE CONNECTION OF W8 TO W12 USE 2 x 3/4"ø BOLTS WITH A 0'-8" LONG PLATE)



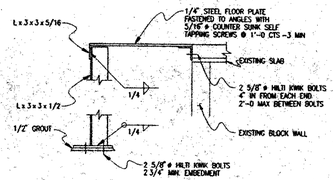
SECTION 2-2



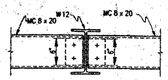
SECTION G-G



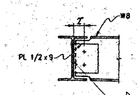
SECTION F-F
CONNECTION DETAIL FOR W8 TO EXISTING 3" ø POST



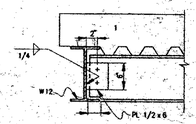
SECTION S-S



SECTION V-V



SECTION G-G
CONNECTION OF W8 TO W8 (OR W10)



SECTION C-C
TYPICAL CONNECTION FOR W10 OR W12 BEAM TO MIDSPAN OF W12 GIRDER
USE 3 BOLT CONNECTION FOR W12 BEAM TO W12 GIRDER

WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE INSCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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CODE/ ADA:
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70 WEST 36TH STREET
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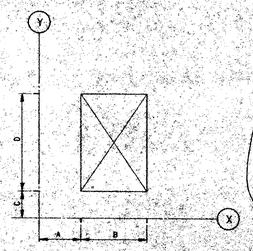
BLDG. NORTH

NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	9 JUNE 1995	FOR REVIEW
3	31 JULY 1995	FOR REVIEW
4	9 OCT 1995	GEN. REV.

TITLE:
STEEL FRAMING PLANS AND DETAILS

HHPA PROJECT NO: 5406.01
DRAWING NO.: **S440**
DATE: 24/APR/1995
SCALE:

TAA - 9511

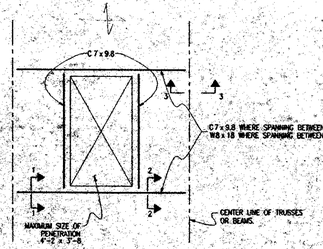


NEW PENETRATIONS FOR GREASE ARRESTORS AND MECHANICAL DUCTWORK THROUGH 106th, 107th AND 108th FLOOR SLABS

Revised.

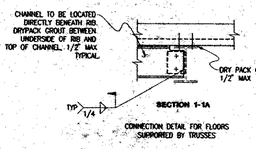
PENETRATION SCHEDULE

Floor	Penetration Number	Exterior Col. Line		Set Out Dimensions			
		X	Y	A	B	C	D
106	1	206	151	3'-0	2'-0	1'-8	4'-0
106	2	209	153	4'-0	1'-11	2'-6	5'-5
106	3	219	153	1'-4	3'-8	2'-6	1'-11
106	4	219	147	1'-0	1'-11	1'-0	3'-8
107	1	238	315	0'-6"	2'-8"	0'-8	1'-4
107	2	238	316	1'-3	2'-2	0'-8	1'-6
107	3	422	348	2'-0	3'-6	1'-10	2'-0
108	1	439	101	0'-6	2'-6	1'-6	3'-6
108	2	215	138	0'-0	2'-6	0'-10	5'-0
108	3	238	310	2'-2	2'-2	0'-8	1-6
108	4	238	309	1'0	2'-2	0'-8	1-6
108	5	422	348	2'-0	3'-6	1'10	2'-0
108	6	416	345	1'-10	6'-0	1'-6	3'-0
108	7	401	325	1'-0	3'-8	1'-0	3'-0



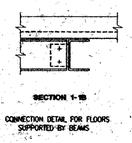
PLAN OF TRIMMING MEMBERS FOR GREASE ARRESTOR AND MECHANICAL PENETRATIONS

NOTE: NEW BEAMS TO BE LOCATED A MAXIMUM OF 6" FROM THE EDGE OF PENETRATIONS.



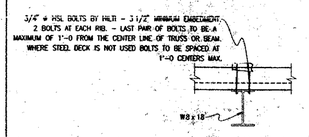
SECTION 1-1A

CONNECTION DETAIL FOR FLOORS SUPPORTED BY TRUSSES



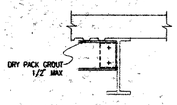
SECTION 1-1B

CONNECTION DETAIL FOR FLOORS SUPPORTED BY BEAMS



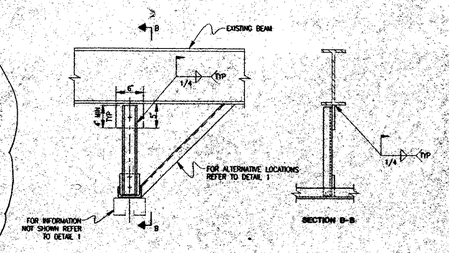
SECTION 2-2

CONNECTION DETAIL FOR FLOORS SUPPORTED BY TRUSSES



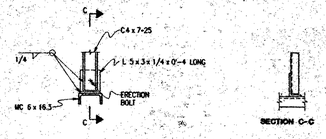
SECTION 3-3

CONNECTION DETAIL FOR FLOORS SUPPORTED BY BEAMS



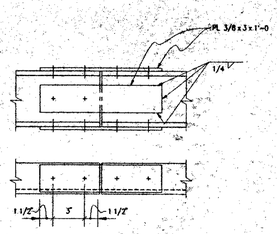
DETAIL 4

SLIDING PARTITION SUPPORT TYPE D
● 107th FLOOR HUDSON BETWEEN B & C



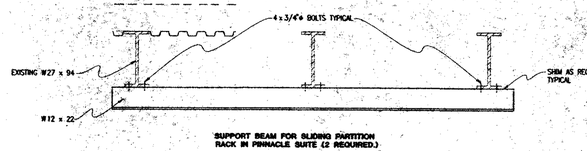
DETAIL 5

SLIDING PARTITION SUPPORT FOR PINNACLE SUITE. ALTERNATIVE CONNECTION DETAIL FOR HEADER BEAM TO BE USED FOR THE PINNACLE SUITE ONLY UNLESS NOTED OTHERWISE.



TYPICAL SPLICE DETAIL

CENTER OF SPLICE TO BE LOCATED NO FURTHER THAN 0'-9" FROM SUPPORT HANGER.
USE BEVELLED WASHERS AT CHANNEL FLANGE CONNECTIONS.



SUPPORT BEAM FOR SLIDING PARTITION RACK IN PINNACLE SUITE (2 REQUIRED.)

NOTES A1 - A5

A1 HEADER BEAM TO BE MC6 x 18 UNLESS NOTED OTHERWISE.

A2 LOCATION OF SUPPORT IS SHOWN ON ARCHITECTURAL DRAWING.

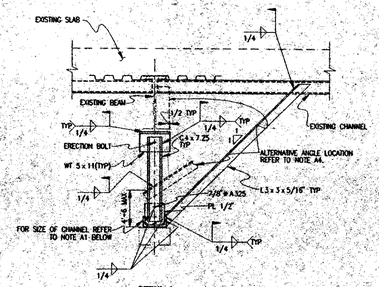
A3 SPACING OF HANGING SUPPORTS TO BE 6'-8 ON CENTER UNLESS NOTED OTHERWISE. MAXIMUM SPACING TO BE 9'-0

A4 WHERE ANGLE BRACE IS LOCATED WITHIN 2'-0 OF THE BOTTOM FLANGE OF THE EXISTING BEAM, A WEB STIFFENER 1/2" THICK SHALL BE ADDED DIRECTLY ABOVE THE CONNECTION.

A5 THE ALIGNMENT OF THE HORIZONTAL CHANNEL IS TO BE WITHIN TOLERANCES ACCEPTABLE FOR SLIDING PARTITION INSTALLATION. SLOTTED HOLES MAY BE PROVIDED IN CHANNEL TO ALLOW FOR FINAL ALIGNMENT.

GENERAL NOTES

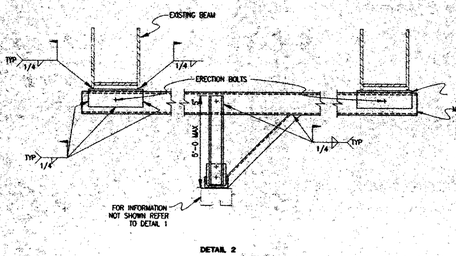
1. FOR GENERAL NOTES REFER TO DRAWING S400
2. FOR STRUCTURAL STEEL NOTES REFER TO DRAWING S440



DETAIL 1

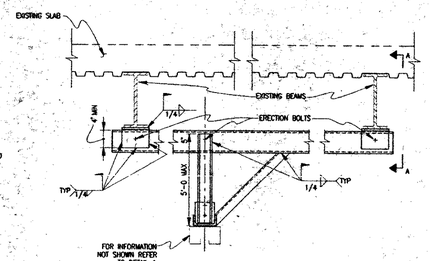
SLIDING PARTITION SUPPORT TYPE A
● 106th FLOOR SUITES E & F
● 106th FLOOR SUITES C & D
● 107th FLOOR PINNACLE RM B & ENTRY VEST
● 107th FLOOR LIBERTY RMS 300, 301, & 302
● 107th FLOOR HUDSON RMS A & B

423 Hudson Room



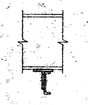
DETAIL 2

SLIDING PARTITION SUPPORT TYPE B
● 107th FLOOR PINNACLE RMS A & B



DETAIL 3

SLIDING PARTITION SUPPORT TYPE C
● 106th FLOOR SUITES A & B



SECTION A-A

FOR CONSTRUCTION

WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE INSCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

RECEIVED
OCT 11 1995
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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A/V ACOUSTICS:
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NEW YORK, NEW YORK 10016

LIGHTING:
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NEW YORK, NEW YORK 10010

CODE / ADA:
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NEW YORK, NEW YORK 10018

BLDG. 1 — NORTH — BLDG. 2

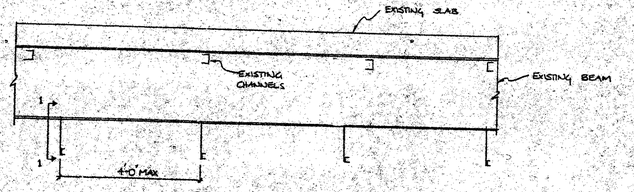
NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	17 JULY 1995	REVISION
3	31 JULY 1995	REVISION
4	9 OCT 1995	REVISION

TITLE:
MISCELLANEOUS STEEL DETAILS

HHPA PROJECT NO. 5466.01
DATE: 24/APR/1995
SCALE:

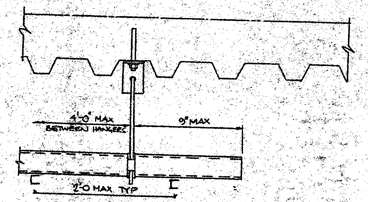
DRAWING NO.
S450

TAA – 951114.07

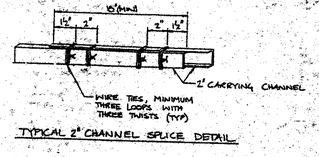


PART ELEVATION

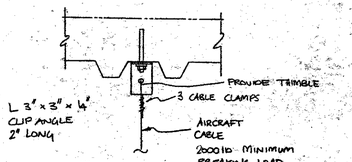
TYPICAL FLOOR BEAM



SUPPORT TYPE 3

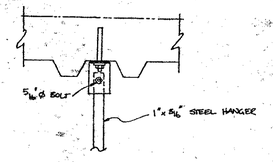


TYPICAL 2" CHANNEL SPLICE DETAIL



FIXTURE SUPPORT

MAXIMUM LOAD PER CABLE IS 450 lb



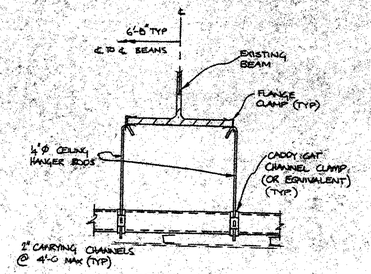
STRAP CONNECTION TO UNDERSIDE OF SLAB

GENERAL NOTES

1. FOR GENERAL NOTES REFER TO DRAWING S400
2. FOR STRUCTURAL STEEL NOTES REFER TO DRAWING S440

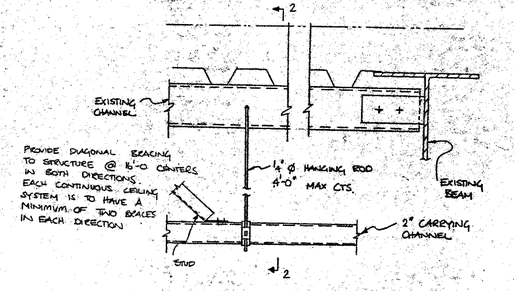
NOTES:

1. MATERIALS
   - CONCRETE ANCHORS – 3/8" ø HILTI SAFETY BOLTS (TYPE KBII OR KBII) WITH A MINIMUM EMBEDMENT OF 1 3/4" OR HILTI MKII OR HILTI ANCHORAL SIZE M8 WITH A MINIMUM EMBEDMENT OF 2 1/2" AND A MINIMUM EFFECTIVE LENGTH OF 3".
   - CLIP ANGLES – HOT ROLLED ASTM A36 STEEL.
   - HANGERS – 1/16" x A36 GALVANIZED STEEL ROD.
   - CARRYING CHANNEL – 2" COLD ROLLED CHANNELS (Fy=33KSI MIN.) MINIMUM WEIGHT 550 LBS / 1,000 L.F.(PAINTED)
   - HANGER TO STRUCTURE CONNECTION –
     A. BOTTOM FLANGE OF BEAM/I ≤ 0.75"
        CADDY HEAVY DUTY FLANGE CLAMPS MANUFACTURED BY ERICO PRODUCTS INC. BOLT #3312-PSN.
     B. THICKNESS OF BOTTOM FLANGE > 0.75" –
        UNIVERSAL C-CLAMP WELDED (MODE THERMIT) 0.69 LBS. EACH AS MANUFACTURED BY GRINNELL CORP. OR APPROVED EQUAL. INSTALL C-CLIP WITH SET SCREW IN TOP POSITION.
   - HANGER TO CARRYING CHANNEL – CADDY 3AN CHANNEL CLAMP, MODEL #CCSL AS MANUFACTURED BY ERICO PRODUCTS INC. BOLT #3312-PSN OR EQUAL.
   - WIRE TIES – 18 GA. STAINLESS STEEL ASS – TYPE 304 OR MONEL METAL.
2. REMOVAL OF FIREPROOFING SHALL BE KEPT TO A MINIMUM AND SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ARCHITECT.
3. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT CATALOG DATA, SAMPLES, LAYOUT DRAWINGS AND DETAILS OF ALL COMPONENTS OF THE CEILING SUPPORT SYSTEM FOR ARCHITECT'S APPROVAL PRIOR TO THE START OF ANY WORK IN THE FIELD.
4. OTHER CEILING COMPONENTS AND DETAILS NOT SHOWN SHALL CONFORM TO THE LATEST NEW YORK CITY BUILDING CODE REQUIREMENTS.
5. THE RAWLEY FASTENING SYSTEM WITH LASO SHANK PIN (DIA: (1 1/4" LONG, POWER LEVEL "M3" FOR INSTALLATION, AND THE LASO CEILING CLIP #851 IS PERMITTED TO SUBSTITUTE THE RAWSON TOP CONNECTION DETAIL SHOWN IN DETAIL 3/S460. ATTACHED INTO 3000 P.S.I. LIGHT WEIGHT CONCRETE SLAB OVER GALVANIZED METAL DECK.
6. CARRYING CHANNELS TO BE BRACED LATERALLY AT 2'-0 MAX CTS. (MIN)

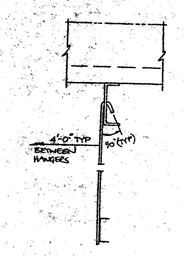


SECTION 1-1

SUPPORT TYPE 1



SUPPORT TYPE 2



SECTION 2-2

WARNING: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE DESCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

RECEIVED
OCT 11 1995
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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
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NEW YORK CITY, NEW YORK
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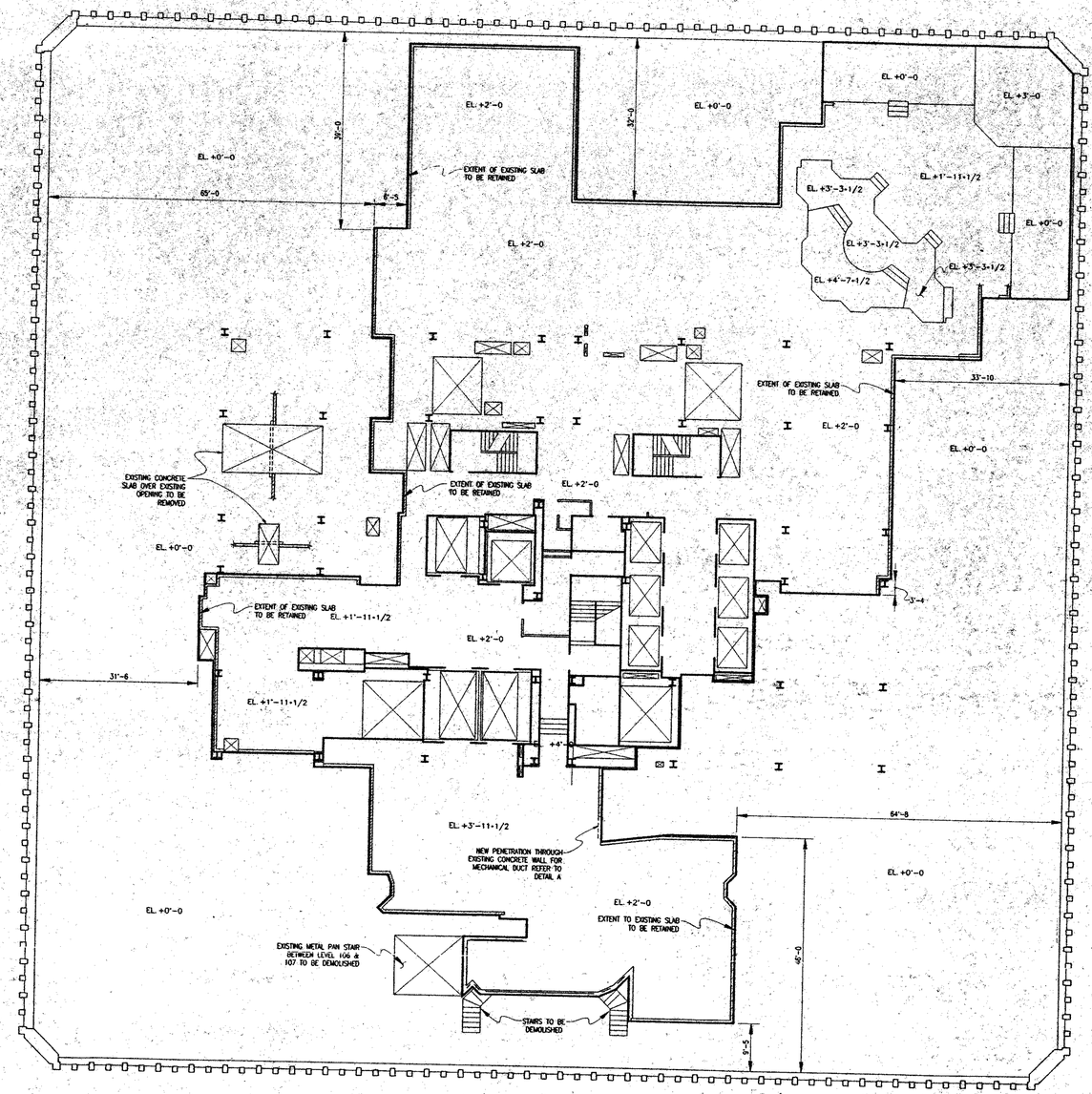
BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
1	17 JULY 95	GENERAL REV.
2	28 JULY 95	FIXTURE SUPPORT REVISED
3	30 OCT 95	GEN REV.

TITLE:
CEILING SUPPORT DETAILS

HHPA PROJECT NO. 9406.01
DRAWING NO. **S460**
DATE: 01 MAY 1995
SCALE:

.TAA – 951114:07



DEMOLITION PLAN LEVEL 107

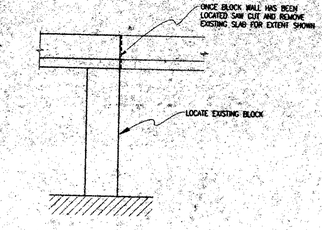
NOTE: DIMENSIONS ARE APPROXIMATE

GENERAL NOTES:

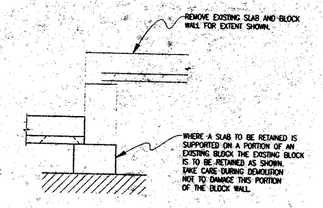
1. EXTENT OF EXISTING BLOCK WALL & SUPPORTED SLAB TO BE RETAINED
2. EXTENT OF EXISTING STEEL SUPPORTED SLAB TO BE RETAINED
3. FOR GENERAL NOTES REFER TO DRAWING S400

DEMOLITION NOTES:

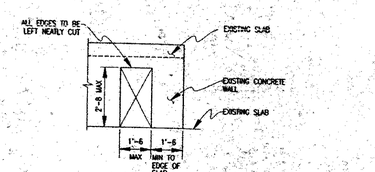
1. DIMENSIONS INDICATED ARE APPROXIMATE AND ARE TO BE VERIFIED IN FIELD.
2. EXTENT OF DEMOLITION TO BE GOVERNED BY THE LOCATION OF THE EXISTING BLOCKWORK.
3. WHERE THE LOCATION OF THE EXISTING BLOCKWORK VARIES FROM THE LOCATIONS SHOWN IN THE DEMOLITION DRAWINGS, NOTIFY THE ARCHITECT IMMEDIATELY.
4. ALL DEMOLITION WORK TO BE IN COMPLIANCE WITH ARTICLE 6, SUBCHAPTER 19 OF THE NYC BUILDING CODE "DEMOLITION OPERATIONS".
5. ALL OPERATIONS SHALL BE CONTINUALLY INSPECTED AS THE WORK PROGRESSES TO DETECT ANY HAZARDS THAT MAY DEVELOP.
6. ALL GLASS IN INTERNAL WINDOWS, DOORS AND PARTITIONS SHALL BE REMOVED PRIOR TO SLAB REMOVAL.
7. THE WEIGHT OF THE REMOVED MATERIAL TO BE STORED ON THE EXISTING FLOOR, SHALL NOT EXCEED THE ALLOWABLE LIVE LOAD ON THIS FLOOR.
8. FOR THE LOCATION OF NEW PENETRATIONS THROUGH THE 106TH, 107TH AND 108TH FLOOR SLABS, REFER TO DRAWING S450. NOTE ADDITIONAL STRUCTURAL STEEL REINFORCEMENT MUST BE CONSTRUCTED PRIOR TO CUTTING OF PENETRATION.



DEMOLITION TYPICAL DETAIL



DEMOLITION TYPICAL DETAIL



DETAIL A

FOR CONSTRUCTION

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RECEIVED
OCT 11 1995
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WINDOWS ON THE WORLD

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NEW YORK CITY, NEW YORK

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BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
1	1 JUNE 1995	REVISION
2	9 OCT 1995	REVISION

TITLE:
DEMOLITION PLAN LEVEL 107

HHPA PROJECT NO. 5466.01
DRAWING NO. **S900**
DATE: 24/APR/1995
SCALE:

TAA - 951114.07

11½"

5"

VARIES
SEE SHT. #8 & #9

H5 & H6
CONT. BLACK NEOPRENE GASKETS (60-70 DUROMETER)

1/16"

1 5/8"

.050 EXTR. ALUM. SILL
FIN. NOTE #2

.050 EXTR. ALUM. GLAZ. BEAD
FIN. NOTE #1

T34-2

SEE SHT. A9 FOR PART No.

.062 EXTR. ALUM. LINER
FIN. NOTE #4

H0137A-2 BLACK NEOPRENE CORNER SPACER

T31-2 SILL

H13-2
¼-20 HEX. HD. S.S. BOLT (2 PER SILL)

SEAL
SEE GEN. NOTE #15

NOT BY C.P.D.

H7
CONT. BLACK NEOPRENE GASKET (60-70 DUROMETER)

3/32" DIA. INSUL. COATING
SEE GEN. NOTE #14

CONT. BLACK NEOPRENE GASKET

½"-10

(3) FASTENERS PER HORIZ.
SEE ISOMETRIC DETAIL SHT. #8

SEE SHT. A9 FOR PART No.

CONT. 16 GA. (.060") GALV. STL. LINER BAFFLE

H13-2 ¼-20 HEX. HD. S.S. BOLTS
3 ALUM. RIVNUTS (4 PER JAMB)

2 1/1 A 304 TYPICAL SILL

2 7/16"

⅛" ALUM. EXTRUDAL TRACK
FIN. NOTE #2

8 ½"

H66 BOLT 5 ¼" LONG
H67 BOLT 4 ¾" LONG
½-13 A325 CAD. PLATED STL. HIGH TENSILE BOLTS (4 PER ANCHOR)

H69
½-13 HEX. S.S. JAM NUTS

H1C
DIE CAST ALUM. ANCHOR (ALLOY 380)

½-13 A325 CAD PLATED STL. HIGH TENSILE NUTS
H68

2 5/16"

FL. LINE

FL. LINE

SPRAY-ON FIREPROOFING
GEN. NOTE #11

H20-2
304 SERIES STA. STL. HEAD CLOSURE

304 SERIES STA. STL. CUL. COVER FACE CLOSURE

H22-2
SEE SHT. #18 FOR PART MARKS AT CORNER CUL. COVER

AIR HOLES
5½ Sq. in. MIN. FREE AIR

SPLICE

H81-2
#8 S.D. S.M.S. (3 PER HEAD)

H83-2
#8 S.S. S.M.S.

304 SERIES STA. STL. CUL. COVER SIDE CLOSURE
H79-1L NEAR SIDE
H79-2R FAR SIDE
SEE SHT. #18 FOR PART MARKS AT CORNER CUL. COVER

T32-2
.062 EXTR. ALUM. BAFFLE
FIN. NOTE #4

CAST ALUM. END CLOS. & ALIGNMENT PIN (ALLOY 356-T5) CONT. SHOP WELD TO CUL. COVER SHT.

NEOPRENE GASKET TRACK SECTION

T30-2
EXTR. ALUM. HEAD (FIN. NOTE #2)
@ NO. ATTACHED AT CUL. COVER & JAMB WITH ¼-20 HEX. HD. BOLT

H13-2
¼-20 HEX. HD. S.S. BOLT (1 PER CASTING)

SEE SHT. A9 FOR PART No.

CONT. 16 GA. (.060") GALV. STL. LINER BAFFLE

SEAL
SEE GEN. NOTE #15

⅛"

1½"

1 5/16"

H0138A-2 BLACK NEOPRENE CORNER SPACER

CONT. BLACK NEOPRENE GLAZING GASKETS (60-70 DUROMETER)

H14-2
#8 S.S. M.S. w/ #6 FLAT HD. (2 PER HEAD)

EXTR. ALUM. GLAZ. BEAD
FIN. NOTE #1

T33-2

¼" GLASS
GEN. NOTE #12

1 1/1 A 304 TYPICAL HEAD

.062 EXTR. ALUM. LINER
FIN. NOTE #4

NOT BY C.P.D.

#8 PAN HD. TEK SELF-DRILLING SCREW (3 PER HORIZ.)

H19-2

NOTE
SEE SHT. #8 & #9 FOR SIZE & LOCATION OF INTERIOR ALUM. LINERS

SEE SHT. A9 FOR LINER & GASKET PART No.

FLOOR HEAD & SILL

A3 TYP.

FLS 11-7

NO.	DATE	DESCRIPTION
A	1-16-68	GEN. REVS.
B	1-29-68	GEN. REVS.
C	3-15-68	GEN. REVS.
D	4-26-68	GEN. REVS.
E	5-24-68	GEN. REVS.

DRAWN BY R.C.S. CHECKED
DATE 7-19-68 SCALE

TOWERS A & B — CURTAIN WALL

ALCOA BUILDING PRODUCTS

MINORU YAMASAKI & ASSOC. — EMERY ROTH & SONS

ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT #7C 402.2

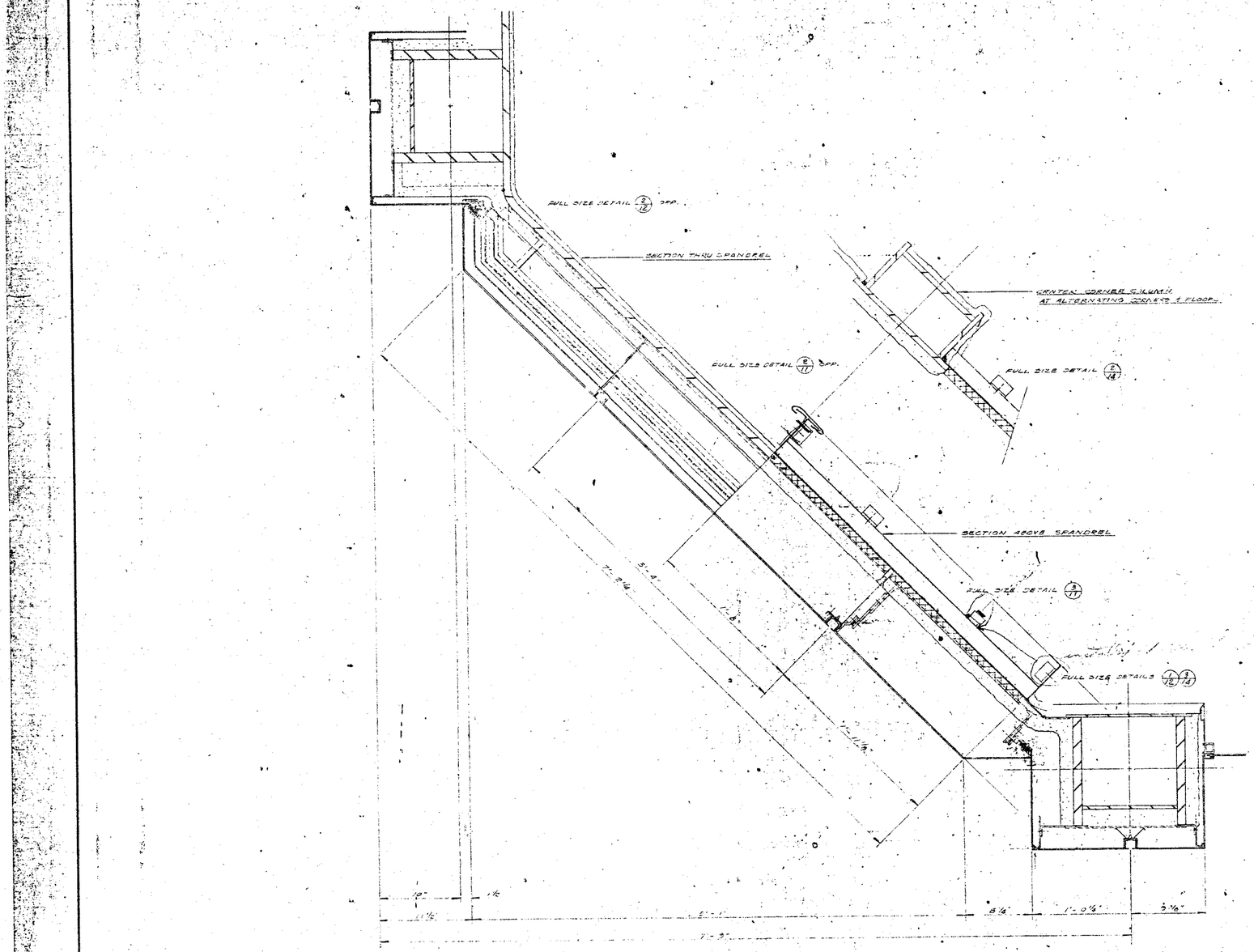
JOB NAME

APPROVED, REG. TRAYNA
TRANSMITTAL OF 9/15/68.

FOR APPROVAL
FOR CONSTRUCTION
AS BUILT

JOB NUMBER 6825

DATE	PRINTS	TO
	PRINT RECORD	
		FOR



TYPICAL CORNER PLAN

SCALE: 3/16" = 1'

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. 10010

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	WIES
1	2-20-70		PER PRINTS	DATE
				12-16-6
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WA
TOWERS A

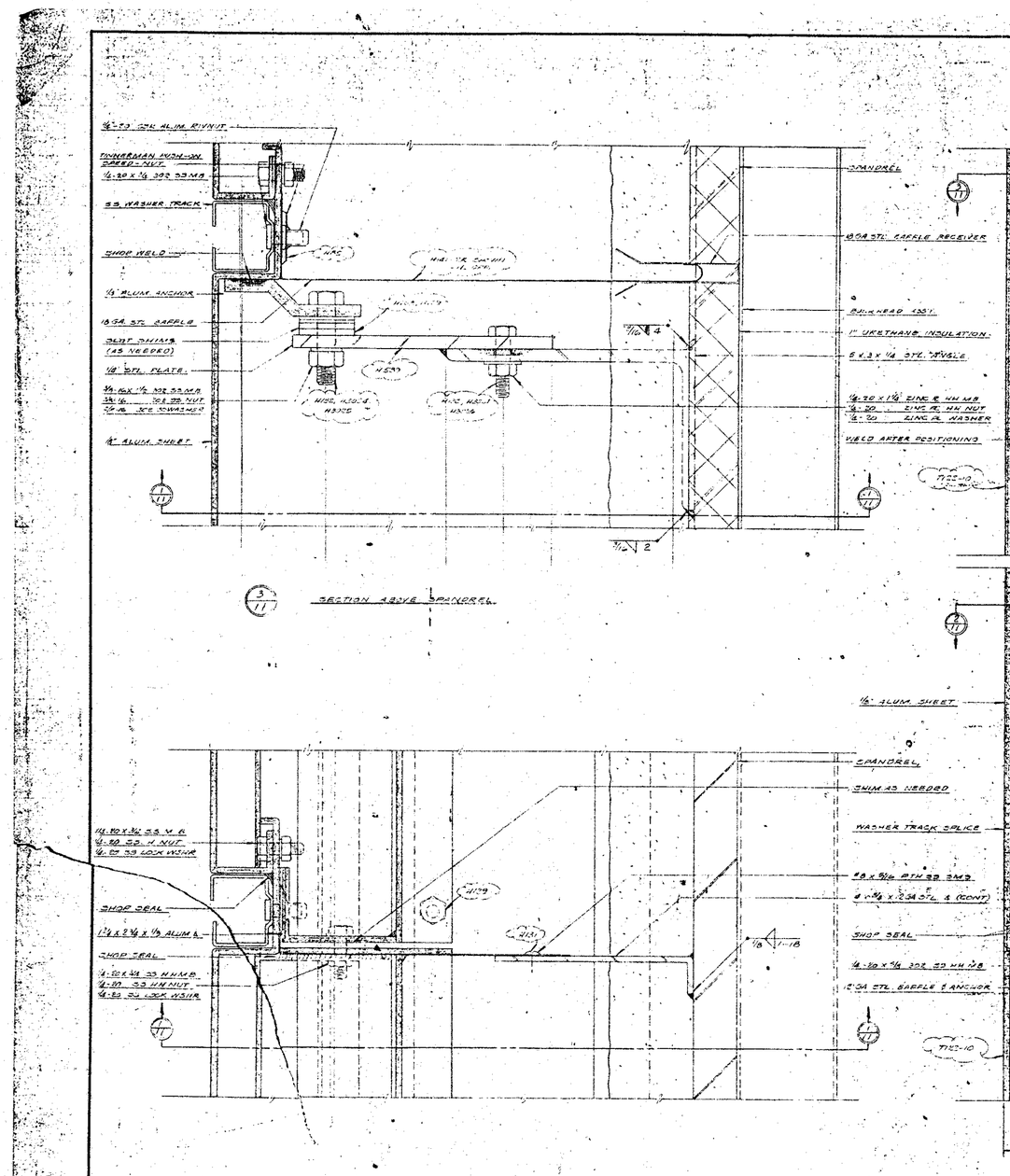
APPROVED; PER TISH
TRANSMITTAL OF 3/3/

DATE	PRINTS	TO	
6-22-70	2 PRINTS 2 REPRO	CPD-NY	FILE #
2/26/73	7 PRINTS	CPD-NY	EAC
10-7-69	7 PRINTS	CPD-NY	BAR
7.8.19	12 PRINTS 1 SEPIA	TO 1 SEPIA 2 PRINTS	
8/16/9	12 PRINTS 1 SEPIA	TO 1 SEPIA 2 PRINTS	

PRINT RECORD

JOB NUMBER 68 71000

SHEET 10 OF



3/11 SECTION ABOVE SPANDREL

2/11 SECTION THRU SPANDREL

1/11 & 5/11 TYPICAL CORNER PANEL - VERTICAL SECTION

1A/11 TOP PORTION ONLY

TYPICAL CORNER PANEL SECTIONS

FULL SIZE

JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 100.07

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	5-6-70	HM	PER DWG 14
2	7-7-70	CH	PER ENGINEERS MEMO
3	7-31-70	CH	PER TELEPHONE

DRAWN: WILSON
DATE: 12-16-69
CHECKED

ALCOA CUPPLES PRODUCTS

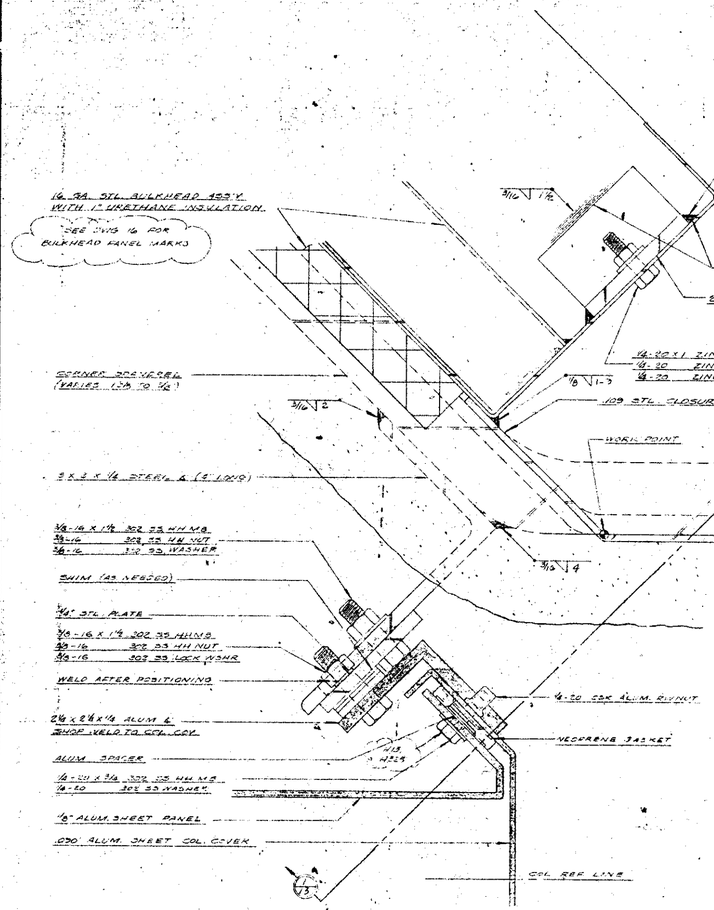
CURTAIN WALL
TOWERS A & B

APPROVED, REF. TISHMAN TRANSMITTAL OF 8/19/70.

DATE	PRINTS	TO	FOR
4-22-70	4 PRINTS	OWNER	FILE & REC.
5/26/70	1 PRINT	CALVERT	DIRECTION
6/1/70	2 PRINTS	CONTRACT	DIRECTION
7/31/70	4 PRINTS	TISHMAN	APPROVAL
9/24/70	1 PRINT	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER: AB 71000
SHEET: 11 OF



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	WEISS
1	6-9	DW	CORRECTED	DATE 12-16-69
2	7/16/70	DW	DIMENSION MARKS	CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

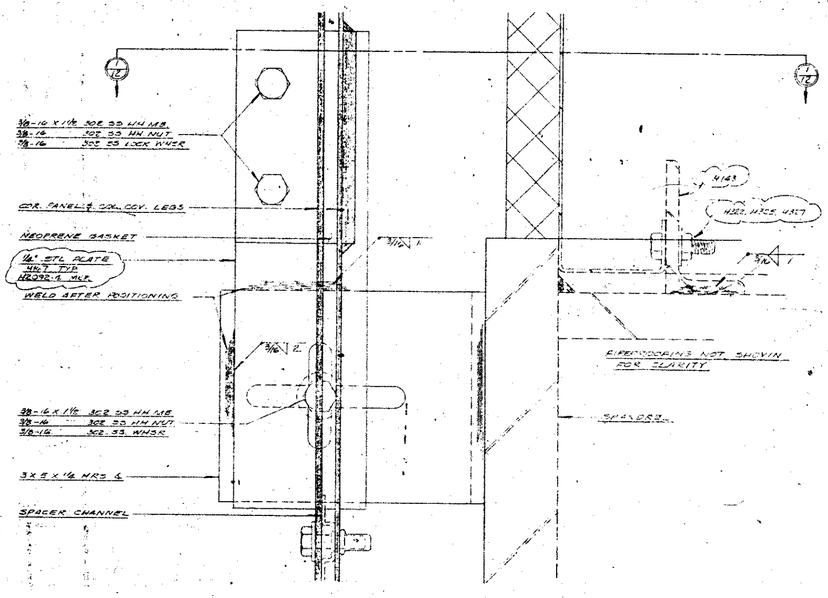
APPROVED, REF. TISHMAN TRANSMITTAL OF 7/9/70

DATE	PRINTS	TO	FOR
4-22-70	3 PRINTS	TISHMAN CONSTR.	FILE REC'D
5/26/70	7 PRINTS	USCO-NY	CONSTRUCTION
9/11/70	7 PRINTS	CRC-NY	ALTERATION
7/8/71	1 PRINT	CRC-NY	AS BUILT
12/4/73	1 PRINT	CRC-NY	AS BUILT

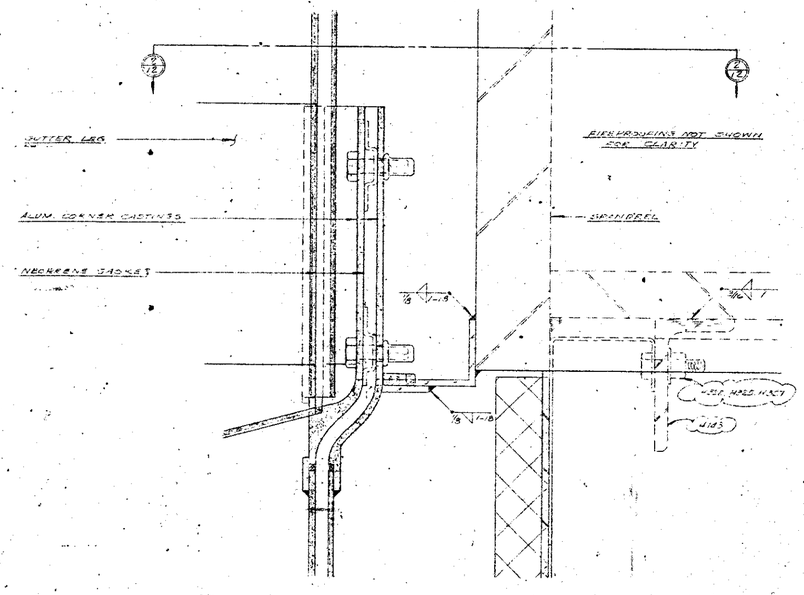
PRINT RECORD

TYPICAL CORNER PANEL SECTIONS
JOINERY & ANCHORAGE OF PANEL & COL. COVER
FULL SIZE

JOB NUMBER AB 71000
SHEET 12 OF



1/13 SECTION THRU PANEL AND COL. COVER JOINERY AND ANCHORAGE - TOP OF CHANNEL



2/13 SECTION THRU PANEL AND COL. COVER JOINERY BOTTOM OF CHANNEL

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT: WTC 1CC100

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	W.W.C.B.
1	6-5-70	DN	AS BUILDING	DATE
2	7-17-70	DN	ADDED HOLE LOCS.	12-12-69
				CHECKED

ALCOA CUPPLES PRODUCTS — CURTAIN WALL TOWERS 1 & 2

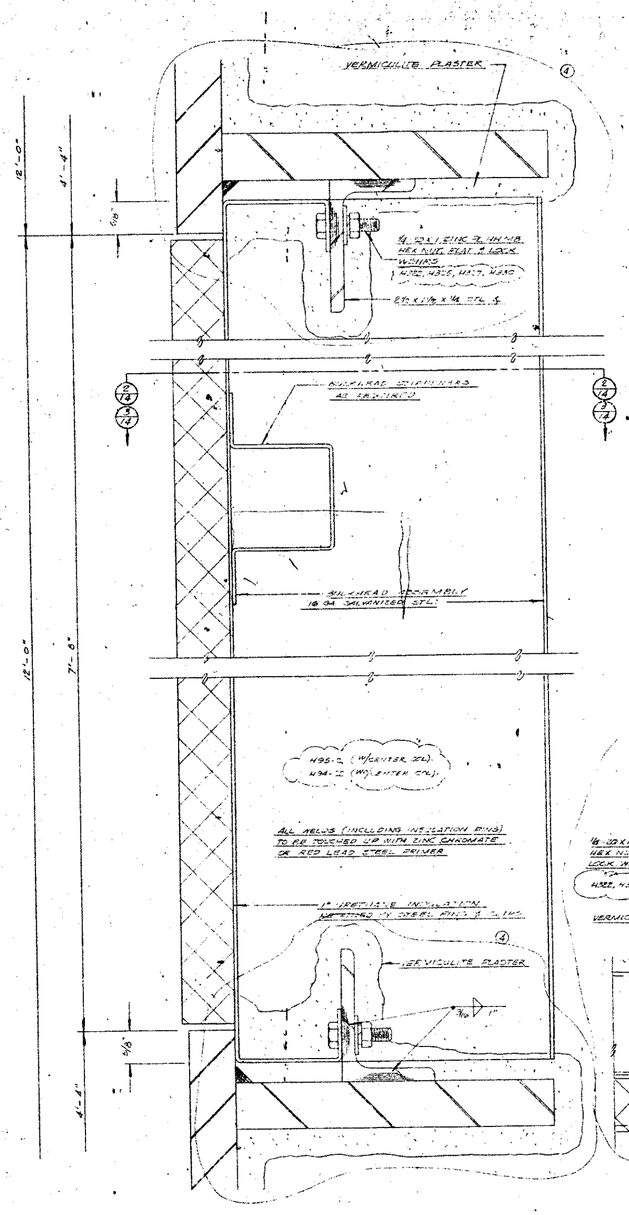
APPROVED PER TYCHMAN TRANSMITTAL OF 9/3/69

TYPICAL CORNER PANEL SECTIONS
PANEL & COL. COV. JOINERY
FULL SIZE

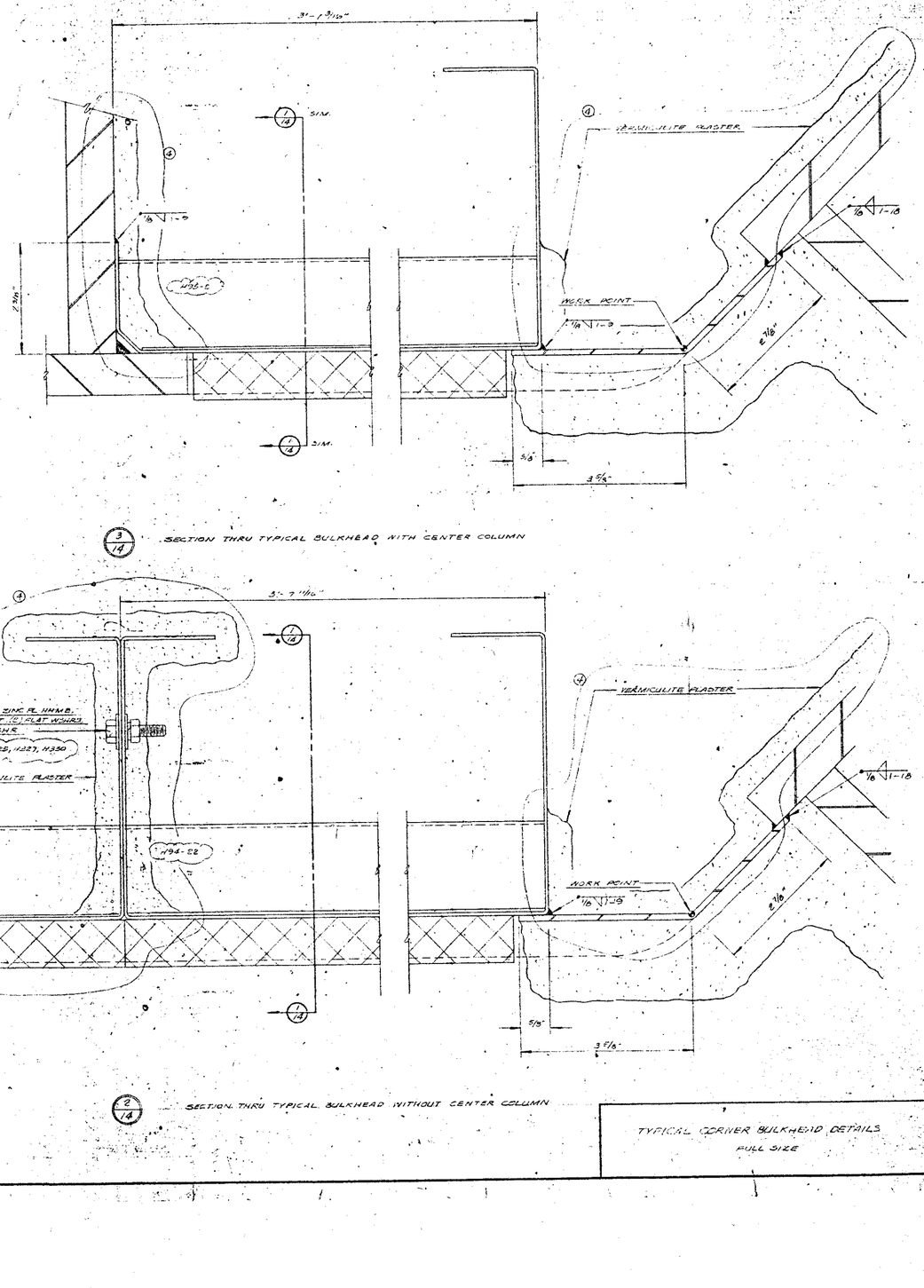
DATE	PRINTS	TO	FOR
4-22-70	12 PRINTS	E. PAGLIA	FILE & RE-USE
5/26/70	7 PRINTS	TYCHMAN	APPROVAL
10/13/70	7 PRINTS	STD-NY	DIRECTION
7/31/73	2 COPY 5 PRINTS	AS-BUILT	CHK. HOLE LOCS.
10/4/73	3 PRINTS 1 CLOTH	E. PAGLIA	AS BUILT

PRINT RECORD

JOB NUMBER A67100. SHEET 13 OF



1/14 VERTICAL SECTION THRU TYPICAL BULKHEAD



3/14 SECTION THRU TYPICAL BULKHEAD WITH CENTER COLUMN

2/14 SECTION THRU TYPICAL BULKHEAD WITHOUT CENTER COLUMN

TYPICAL CORNER BULKHEAD DETAILS
FULL SIZE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN WEISS
NO.	DATE	BY	DESCRIPTION	
1	6-6-69	DW	REDRAWN	DATE
2	7-17-69	DW	CURTAIN WALL	
3	10-6-69	DW	ADD NOTE	CHECKED
4	10-10-69	DW	REF. SPEC	

ALCOA CUPPLES PRODUCTS

CURTAIN WALL
TOWERS 4 & B

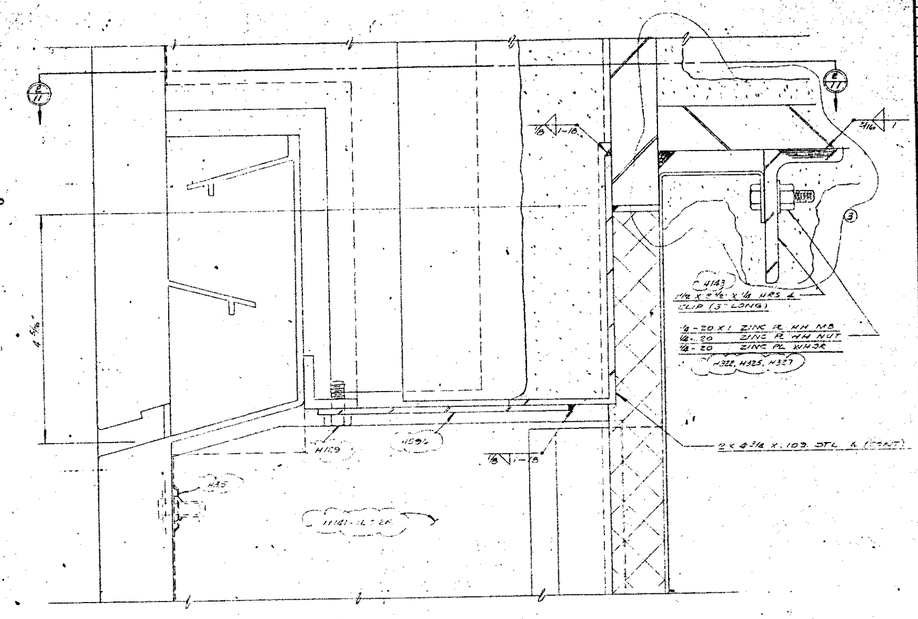
"APPROVED" SEE TISHMAN TRANSMITTAL OF 9/10/69

DATE	PRINTS	TO	FOR
4-22-70	2 PRINTS 1 SEPIA	ARCHITECTURAL DRAWINGS	FILE & RECORD
5/26/70	1 PRINT	CPC-NY	ERECTION
11/24/70	2 PRINTS 1 SEPIA	CPC-NY	FINAL SUBMITTAL
10/1/71	1 PRINT	SOM-NY	RECORD
7/31/73	2 PRINTS 1 SEPIA	CPC-NY	SHOP DRAWINGS

PRINT RECORD

JOB NUMBER AB 71000

SHEET 14 OF



(1/16) SECTION THRU SPANDREL AT SPECIAL FLOORS

CORNER PANEL DETAILS AT SPECIAL FLOORS

FULL SIZE

JOB NAME

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

CONTRACT NO. 830.00

ARCHITECT

MINORU YAMASAKI & ASSOC.

EMERY ROTH & SONS

REVISIONS				DRAWN	WIEDE
NO.	DATE	BY	DESCRIPTION		
1	6-6-69	JW	LEADWORKS	DATE	12-16-68
2	10/1/69	DK	SHIFT IN WIDTH		
3	11/24/69	JW	ADD 45° FLYS	CHECKED	

ALCOA CUPPLES PRODUCTS

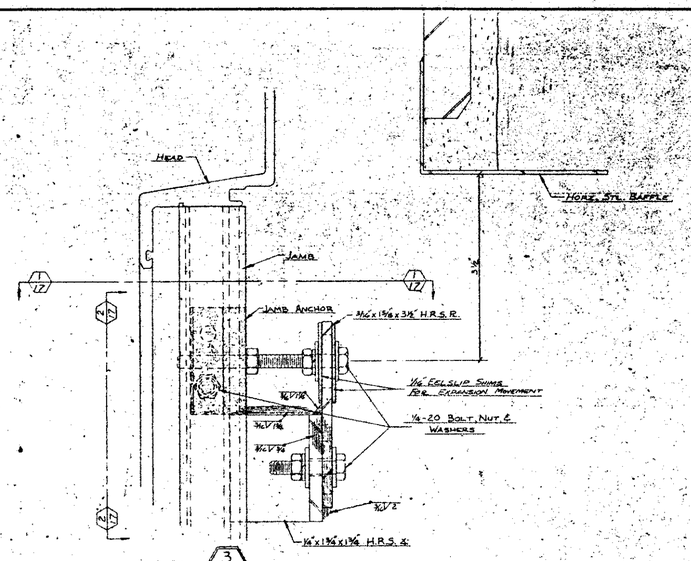
CURTAIN WALL TOWERS 1 & 2

APPROVED REF. FISHMAN TRANSMITTAL 12/19/69

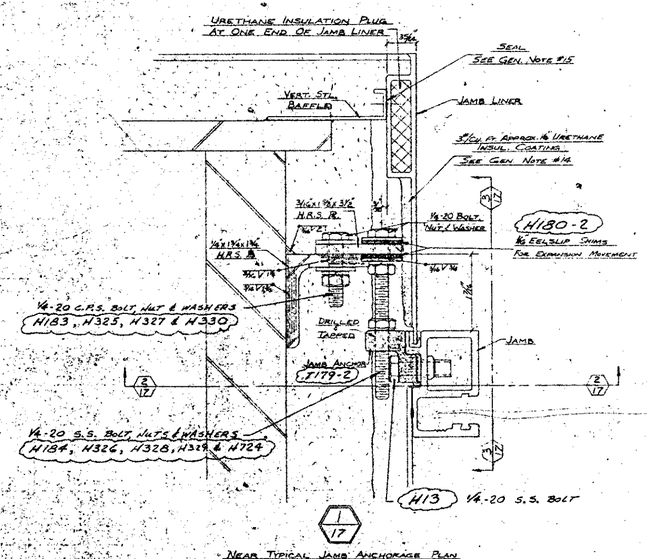
DATE	PRINTS	TO	FOR
		PRINT RECORD	

JOB NUMBER AB 71000

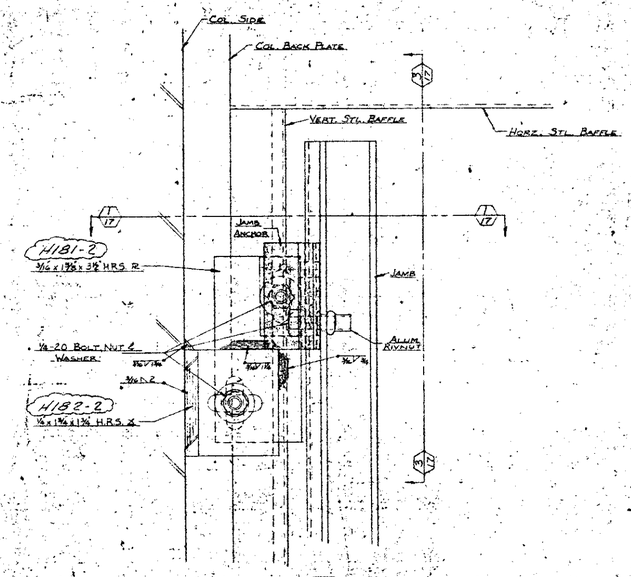
SHEET 16 OF



NEAR TYPICAL JAMB ANCHORAGE SECTION
(LINERS NOT SHOWN FOR CLEARNESS)



NEAR TYPICAL JAMB ANCHORAGE PLAN



NEAR TYPICAL JAMB ANCHORAGE ELEVATION
(HEAD & LINERS NOT SHOWN FOR CLEARANCE)

NEAR TYP. JAMB ANCHORAGE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	C. MUELLER
1	2-11-69		ERECTION MARKS	DATE
2	3-17-69		ERECTION MARKS	18 MAR. 69
				CHECKED

ALCOA
CUPPLES PRODUCTS

APPROVED: REF. TISHMAN TRANSMITTAL OF 9/2/69.

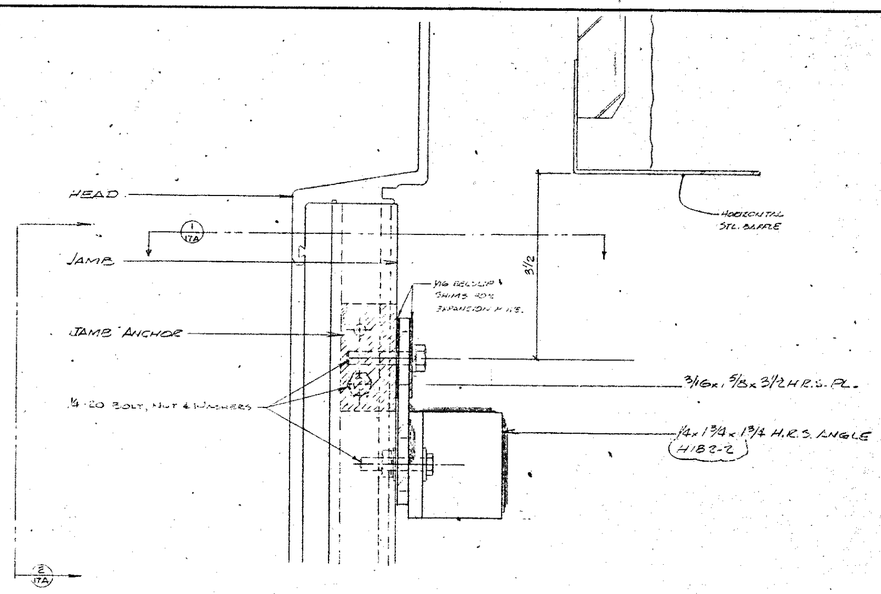
DATE	PRINTS	TO	FOR
4-22-70	4 PRINTS 1 SEPIA	FILE & RECORD	
10-7-9	7 PRINTS	ERECTION	C.D. N.Y.
8-5-69	4 PRINTS 1 SEPIA	FILE & RECORD	
3-19-69	4 PRINTS 1 SEPIA	TISH. S.A.B.	

PRINT RECORD.

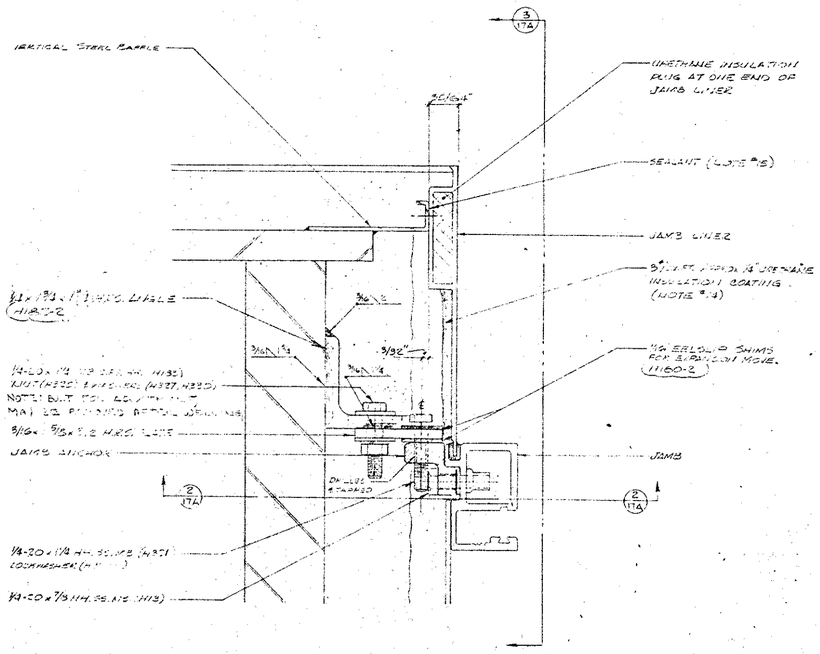
JOB NUMBER AB71C00

SHEET 17 OF

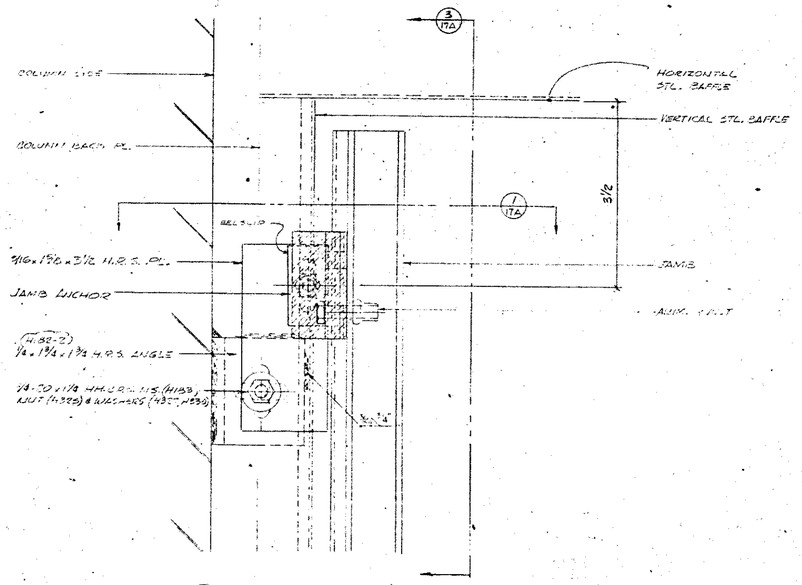
FILE No. 87



3/17A HEAD TYPICAL JAMB ANCHORAGE SECTION
(LINERS NOT SHOWN FOR CLEARNESS)



1/17A NEAR TYPICAL JAMB ANCHORAGE PLAN



2/17A NEAR TYPICAL JAMB ANCHORAGE ELEVATION

NEAR TYP. JAMB ANCHORAGE. ALTERNATE POSITION OF ANCHOR

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4.00.02
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	PASMAN
				DATE 4-19-71
				CHECKED

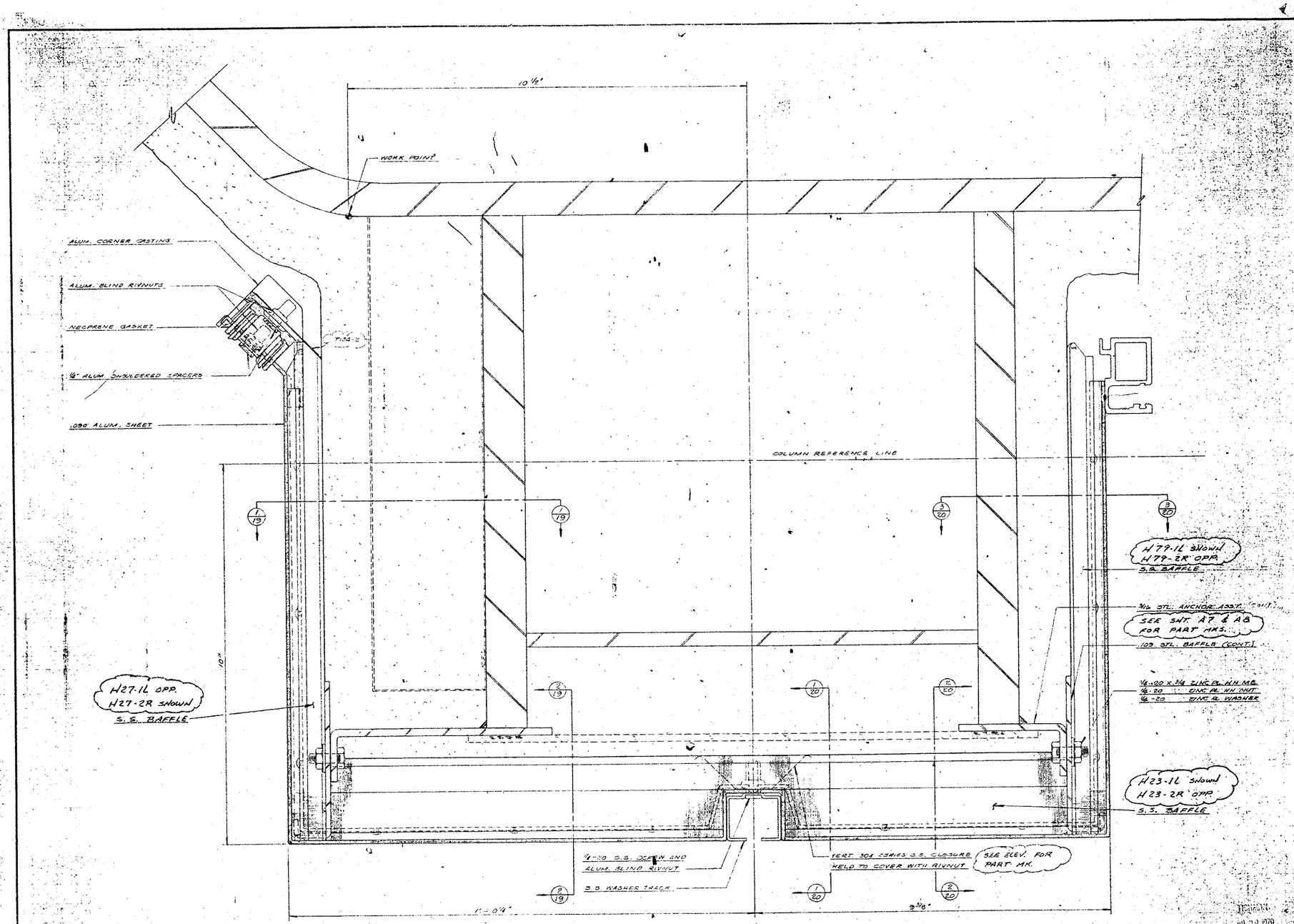
ALCOA CUPPLES PRODUCTS — CURTAIN WALL TOWERS A & B

DATE	PRINTS	TO	FOR
4-21-71	17C	SPECIFICATION	
4-21-71	17A	TECHNICAL	

PRINT RECORD

JOB NUMBER 4.00.02 SHEET 17A

17A



TYPICAL CORNER COLUMN COVER DETAILS

FULL SIZE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC-900.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN WIBSE
NO.	DATE	BY	DESCRIPTION	
A	7/21-7/24		ERECTION AKS	DATE 10-7-69
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL
TOWERS A7 & 8

APPROVED: REF. TISHMAN TRANSMITTAL OF 5/26/70

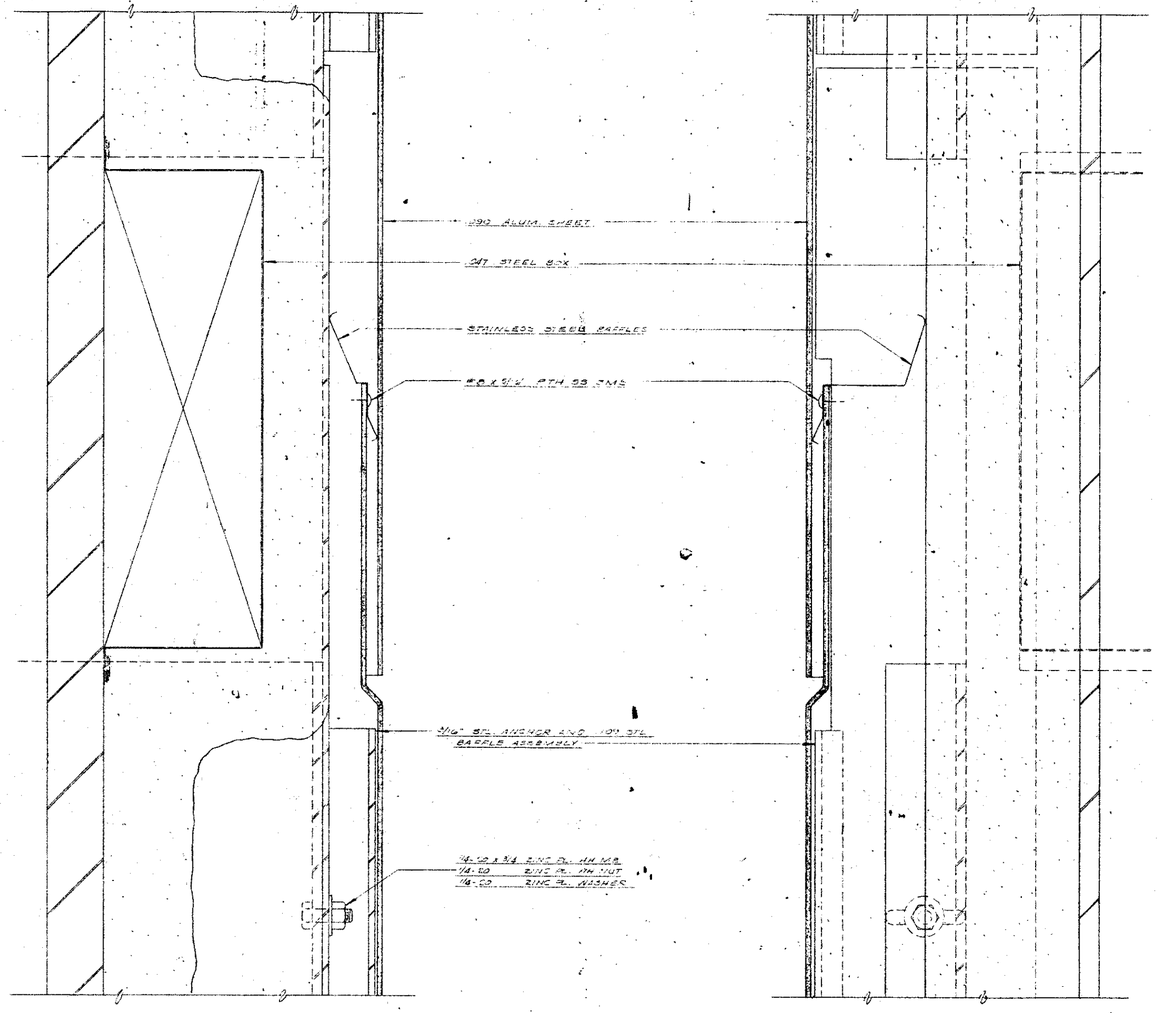
JUL 30 1970

DATE	PRINTS	TO	FOR
7/21/70	7 PRINTS	CPD-NY	ERECTION
7/31/70	3 SEPIAS	PANY TISHMAN 12-352nd	CLEARED
4-22-70	7 PRINTS 3 SEPIAS	PANY TISHMAN 12-352nd	APPROVAL
10/1/69	7 PRINTS	CPD-NY	ERECTION

PRINT RECORD

JOB NUMBER AB 71000

SHEET 13 OF



1/19 SECTION THRU SIDE OF COLUMN COVER

2/19 SECTION THRU FRONT OF COLUMN COVER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
"CONTRACT" WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	WIEDE
				DATE 10-7-69
				CHECKED

ALCOA EXTRUDED PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 3/24/70

DATE	PRINTS	TO	FOR
7/23/70	7 PRINTS	C.P.D.-N.Y.	ERECTION
7/22/70	5 SEPIA + 1 PRINT	TISHMAN CONSTRUCTION CORP. OF N.Y.	FILE & RECORD
6-22-70	5 SEPIA + 1 PRINT	TISHMAN CONSTRUCTION CORP. OF N.Y.	APPROVAL
10/7/69	7 PRINTS	C.P.D.-N.Y.	ERECTION

PRINT RECORD

JOB NUMBER AB 71000

SHEET 19 OF

TYPICAL CORNER COLUMN COVER DETAILS
SECTIONS SHOWING BAFFLE CONDITIONS
FULL SIZE

1'-9 3/32" @ | 1'-6 29/32" @ | 1'-9 3/32" @

VERMICULITE PLASTER FIREPROOFING WITH FIN. PLASTER COAT GEN. NOTE #11

SEE SHT. A9 FOR PART #12
CUT 16 GA. (.060) GALV. STL. LINER BAFFLE

H19-2
#8 MIN. HD. TRK "SELF-DRILLING SCREW (18" O.C.)

H15-2
#8 STA. STL. S.M.S. WITH "G" WASHER HD ATTACHMENT OF JAMB TO VERT. LINER

SEAL SEE GEN. NOTE #15

1/16 FIN. VERTICAL INTUMESCENT COATING SEE GEN. NOTE #14 APPROX. 1/4 THICK

SEE SHT. A9 FOR LINER & GASKET PART #12

.062 EXTR. ALUM. LINER FIN. NOTE #4

CONT. BLACK NEOPRENE GASKET THERMAL BARRIER & AIR SEAL

EXTR. ALUM. JAMB, CONT. SEAM WELDED TO .090 ALUM. SHT. COL. COVER

1/4" GLASS GEN. NOTE #12

CONT. BLACK NEOPRENE GLAZING GASKETS (GO-TO THICKNESS)

EXTR. ALUM. JAMB & .090 ALUM. COL. COVER SHT. FIN. NOTE #1

VARIES SEE SHT. #3 & 4-9

URETHANE INSUL. PLUG AT ONE END OF JAMB LINER

1/8 T-18

7/8"

5"

1 1/8"

3/8"

1 1/4"

11 1/2"

8 1/2"

3"

1 3/8 / 3 1/4 A — TYPICAL COL. COVER

CAFCO SPRAY-ON FIREPROOFING GEN. NOTE #11

1/4-20 S.S. SCREW & ALUM. BLIND RIVNUT

LINE OF FIREPROOFING AT VERT. BAFFLE

.062 (3/4 SERIES) STA. STL. WINDOW WASHER TRACK

VERT. 3/4 SERIES STA. STL. CLOSURE HELD TO COVER WITH S.S. TINNERMAN CLIP H85

NOTE
SEE KEY PLAN FOR LOCATION OF COVERS WITH VERT. BAFFLE
SEE ELEV. FOR PART NUMBERS

2 3/8" | 1'-2" | 2 3/8"

1'-9 1/4" | 1'-6 3/4" | 1'-9 1/4"

KEY PLAN
COL. COVER LOCATIONS (TOWER 'A' & 'B')

LEGEND
1) COVER WITHOUT VERT. BAFFLE
2 COVER WITH VERT. BAFFLE

231
232

TYPICAL COL. SECTION AT GLASS AREA

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN RUSS LAMNITE
NO.	DATE	BY	DESCRIPTION	
A	11-6-68	K	GENERAL	DATE 7-17-68
B	1-13-69		CONN. DET.	
C	4-1-69		INSULATION NOTE	CHECKED
D	5-1-69		FIN. NOTE #4	
E	3-10-70		DIRECTIVE #43	

ALCOA BUILDING PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 2-5-70

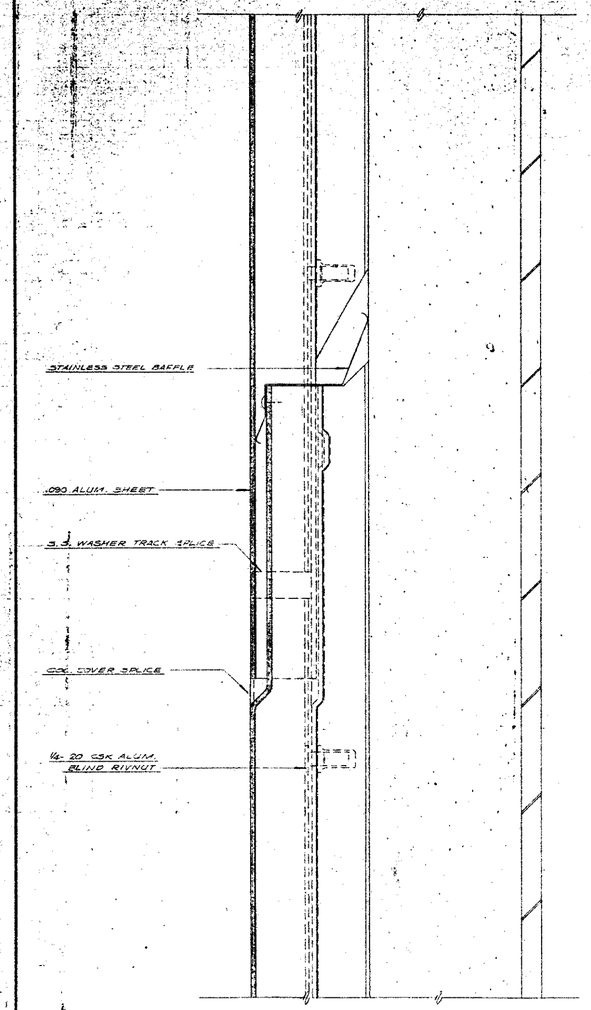
DATE	PRINTS	FILE FOR	TO	FOR
4-22-70	1 REPRO	FILE FOR		CORRECT
10-7-69	1 BLUE			CORRECT
8-8-69	1 BLUE	FILE FOR		CORRECT
3-19-69	1 BLUE	BID SET		
11-6-68	1 BLUE	2ND SUB.		
7-17-68	1 BLUE	1ST SUB.		

PRINT RECORD

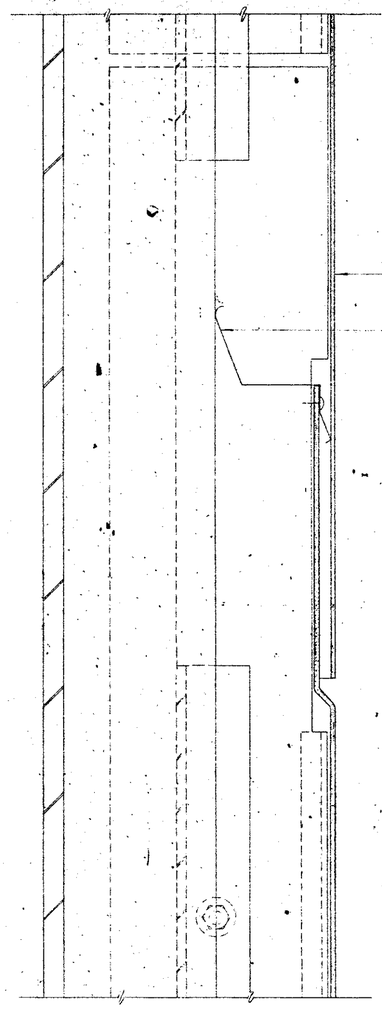
JOB NUMBER A
AB 71000

SHEET 2 OF

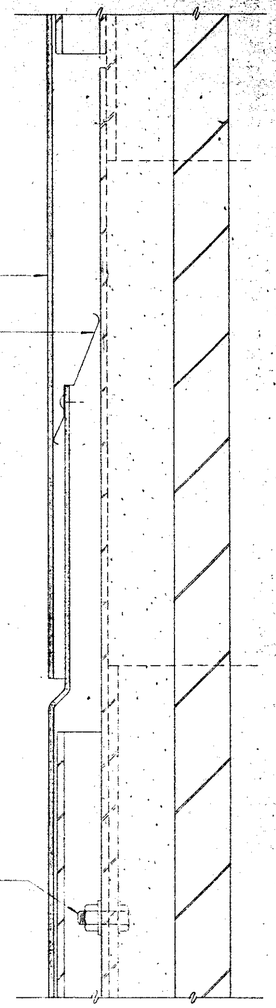
FILE No. 97



1/20 SECTION THRU FRONT OF COLUMN COVER AT WASHER TRACK



1/20 SECTION THRU FRONT OF COLUMN COVER



3/20 SECTION THRU SIDE OF COLUMN COVER

TYPICAL CORNER COLUMN COVER DETAILS
SECTIONS SHOWING BAFFLE CONDITIONS
FULL SIZE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 100.03

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DRAWN W.E.S.C.
DATE 10-7-69
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL
TOWERS 1 & 2

APPROVED: REF T/SHMAN TRANSMITTAL OF 5/26/70

DATE	PRINTS	TO	FOR
7/23/70	7 PRINTS	C.P.D. NY	ERECTION
7/23/70	1 SEPIA	FILE	FILE & RECORD
4-22-70	4 PRINTS	[illegible]	APPROVAL
10/1/69	7 PRINTS	C.P.D. NY	ERECTION

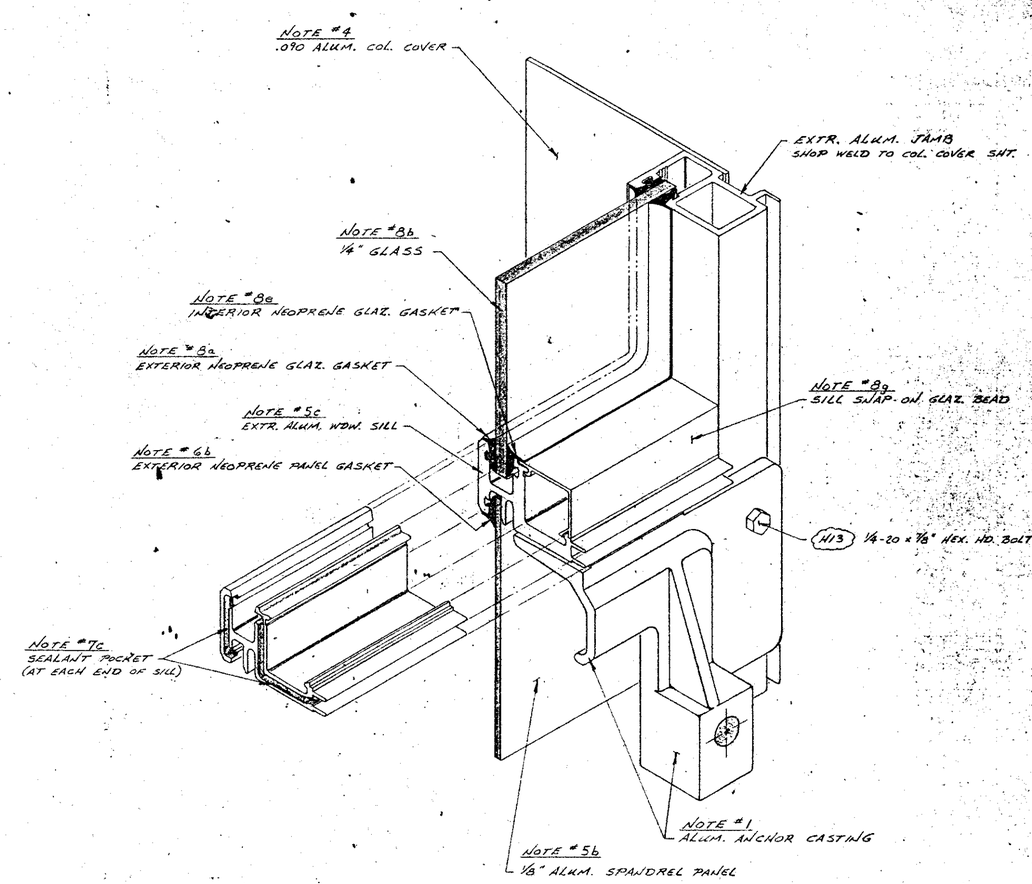
PRINT RECORD

JOB NUMBER AE 71000

SHEET 20 OF

TYP. WALL INSTALLATION AND SEALING SEQUENCE

NOTE	DISCRIPTION
1.	ATTACH AND ALIGN ALUM. ANCHOR CASTING TO BLDG. STRUCTURE
2.	ATTACH GALV. STL. LINER BAFFLES TO BLDG. STRUCTURE
3.	SPRAY EXTERIOR FIREPROOFING
4.	SET COL. COVER AND ATTACH TO ANCHOR CASTING
5.(a)	INSTALL WDW. HEAD AND ATTACH TO ALIGNMENT PIN CASTING
(b)	SLIDE ALUM. SPANDREL PANEL INTO PLACE
(c)	SET WDW. SILL AND ATTACH TO ANCHOR CASTING
6.(a)	INSTALL NEOPRENE GLASS SETTING BLOCK SPACERS AT SILL
(b)	INSTALL EXTERIOR PANEL GASKET
7.(a)	SEAL WDW. HEAD TO ALIGNMENT PIN CASTING, COL. COVER AND WDW. JAMB. USE SEALANT HOLE AS INDICATED ON ISOMETRIC DET.
(b)	SEAL TOP OF WDW. JAMB TO UNDER SIDE OF HEAD. USE SEALANT HOLE AS INDICATED ON ISOMETRIC DET.
(c)	SEAL WDW. SILL TO JAMB
8.(a)	INSTALL EXTERIOR GLAZING GASKET SEAL CORNERS OF GASKET TO HORIZ. RAILS AND JAMB
(b)	SET GLASS
(c)	INSTALL NEOPRENE GLASS SPACER AT HEAD
(d)	INSTALL HEAD GLAZ. BEAD AND ATTACH TO HEAD
(e)	INSTALL INTERIOR GLAZ. GASKET SEAL CORNERS OF GASKET TO HORIZ. RAILS AND JAMB
(f)	SEAL ENDS OF HEAD GLAZ. BEAD TO JAMB
(g)	INSTALL SILL SNAP-ON GLAZ. BEAD
9.	ASSEM. AND INSTALL INTERIOR ALUM. LINERS AND GASKET
10.	FIREPROOF AND PLASTER INTERIOR SIDE OF STEEL



ISOMETRIC DETAIL
TYPICAL WALL SILL

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	R. LAPRAIRIE
				DATE 3-30-70
				CHECKED

ALCOA
CURTAIN WALL PRODUCTS

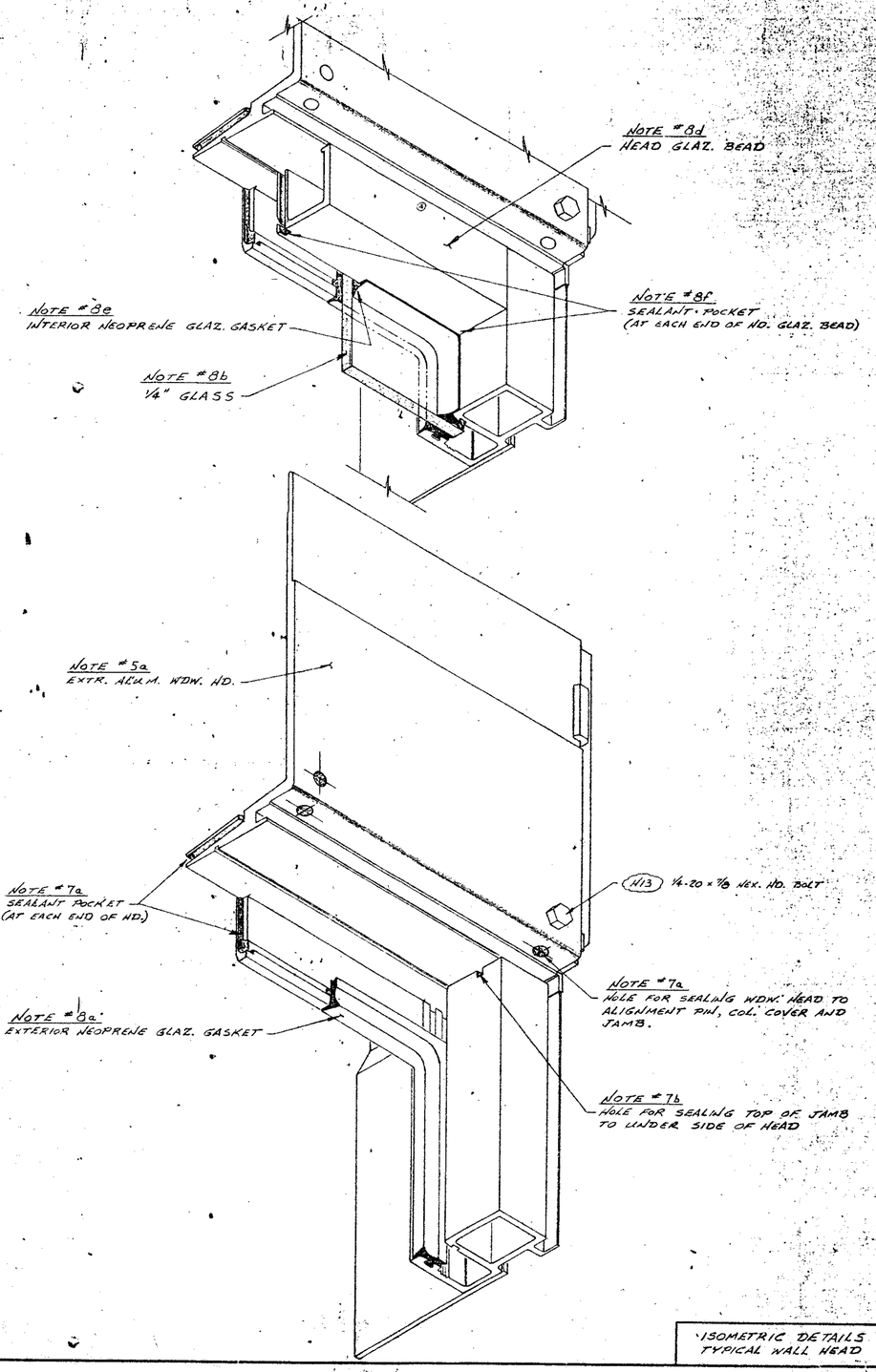
APPROVED: REE TISHMAN
TRANSMITTAL OF 5/21/70

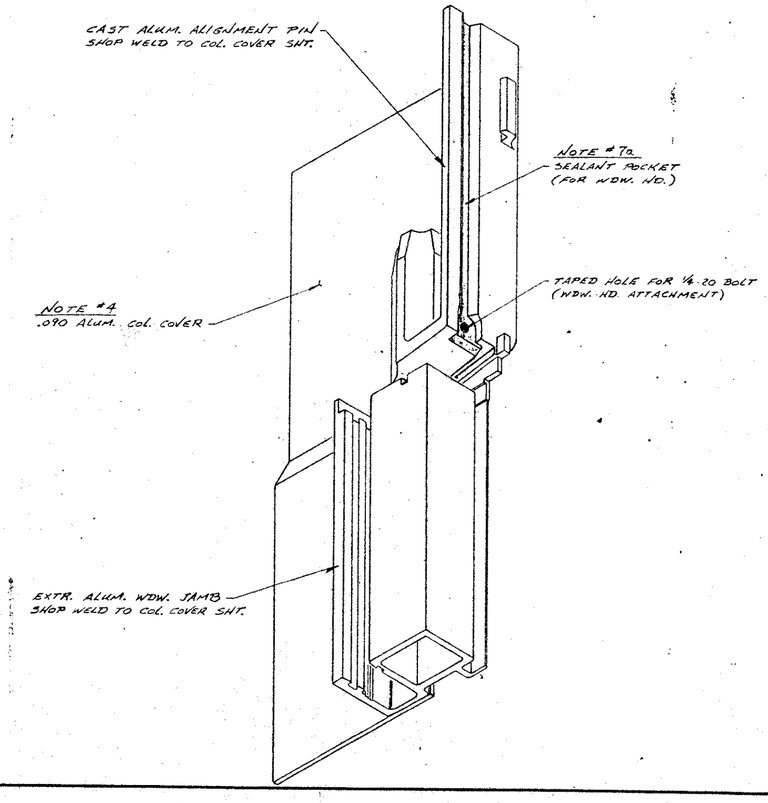
DATE	PRINTS	TO	FOR
7/13/70	7 PRINTS	C.P.D.-N.Y.	ERECTION
7/31/70	1 PRINT	[illegible]	SHOP DRG. APPROVAL
8-22-70	2 PRINTS	[illegible]	APPROVAL

PRINT RECORD

JOB NUMBER AB 71000

SHEET 21 OF ____





JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	R. LAPLANTE
A	11/70	LAL	GENERAL	DATE
				3-30-70
				CHECKED

ALCOA
CUPPLES PRODUCTS

APPROVED: REF. TJHMAN TRANSMITTAL OF 5/26/70

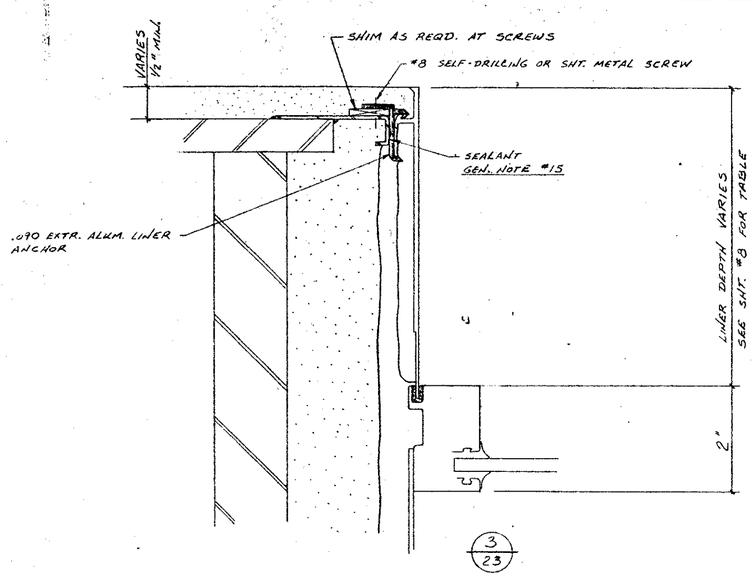
DATE	PRINTS	TO	FOR
7/23/70	7 PRINTS	CPD-NY	ERECTION
7/23/70	4 PRINTS	ARCHITECTURAL CONSULTANTS	SEALANTS
4-22-70	4 PRINTS	ALCOA	APPROVAL

PRINT RECORD

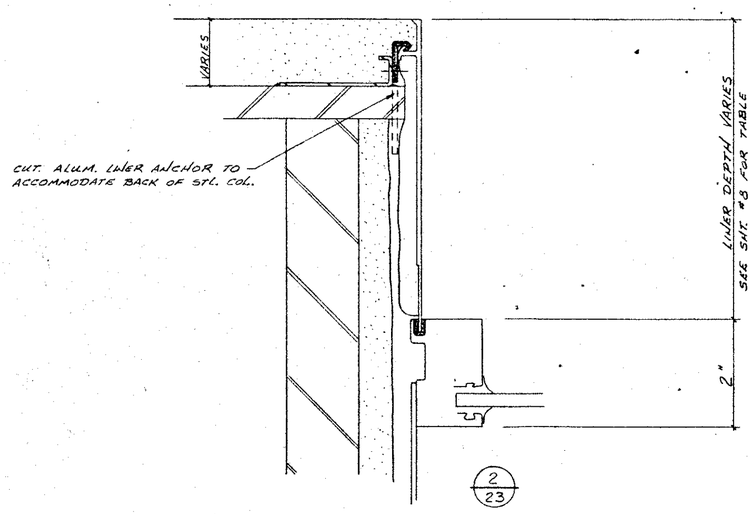
ISOMETRIC DETAILS
TYPICAL WALL HEAD

JOB NUMBER AB 71000

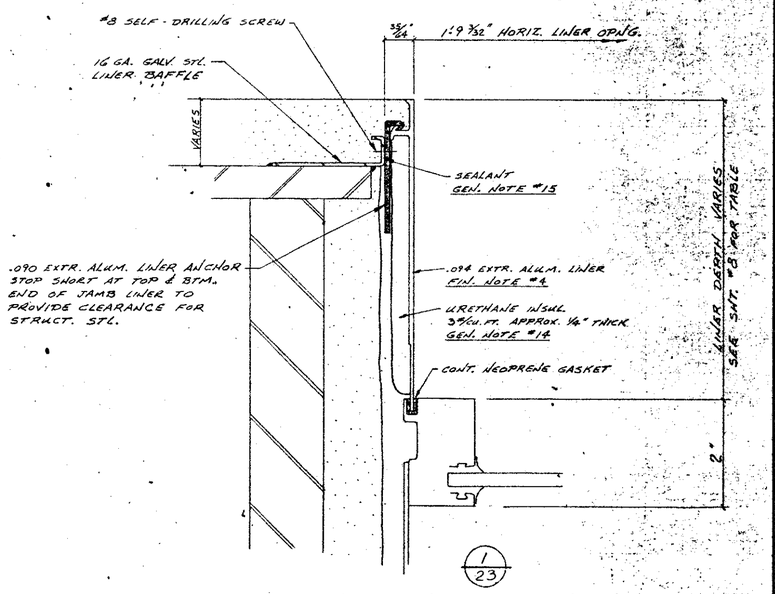
SHEET 22 OF ____



USE WHEN LINER BAFFLE MUST BE REVERSED



USE WHEN COL. BACK PLATE PROHIBITS INSTALLATION OF TYP. JAMB LINER



USE WHEN CORNER AT COL. BACK PLATE & SPANDREL PLATE PROHIBITS INSTALLATION OF TYP. JAMB LINER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN RUSS LARANTE
NO.	DATE	BY	DESCRIPTION	DATE 4-7-70
				CHECKED

ALCOA
GUPPLES PRODUCTS

APPROVED: REF. TISHMAN TRANSMITTAL OF 5/13/70

DATE	PRINTS	TO	FOR
7/21/70	7 Prints	CPJ-NY	ERECTION
7/15/70	2 Prints	[illegible]	FILE & RECORD
6-22-70	12 Prints	[illegible]	APPROVAL

PRINT RECORD

SPEC. LINER DETAILS

JOB NUMBER AB 71000

SHEET 23 OF ____

JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

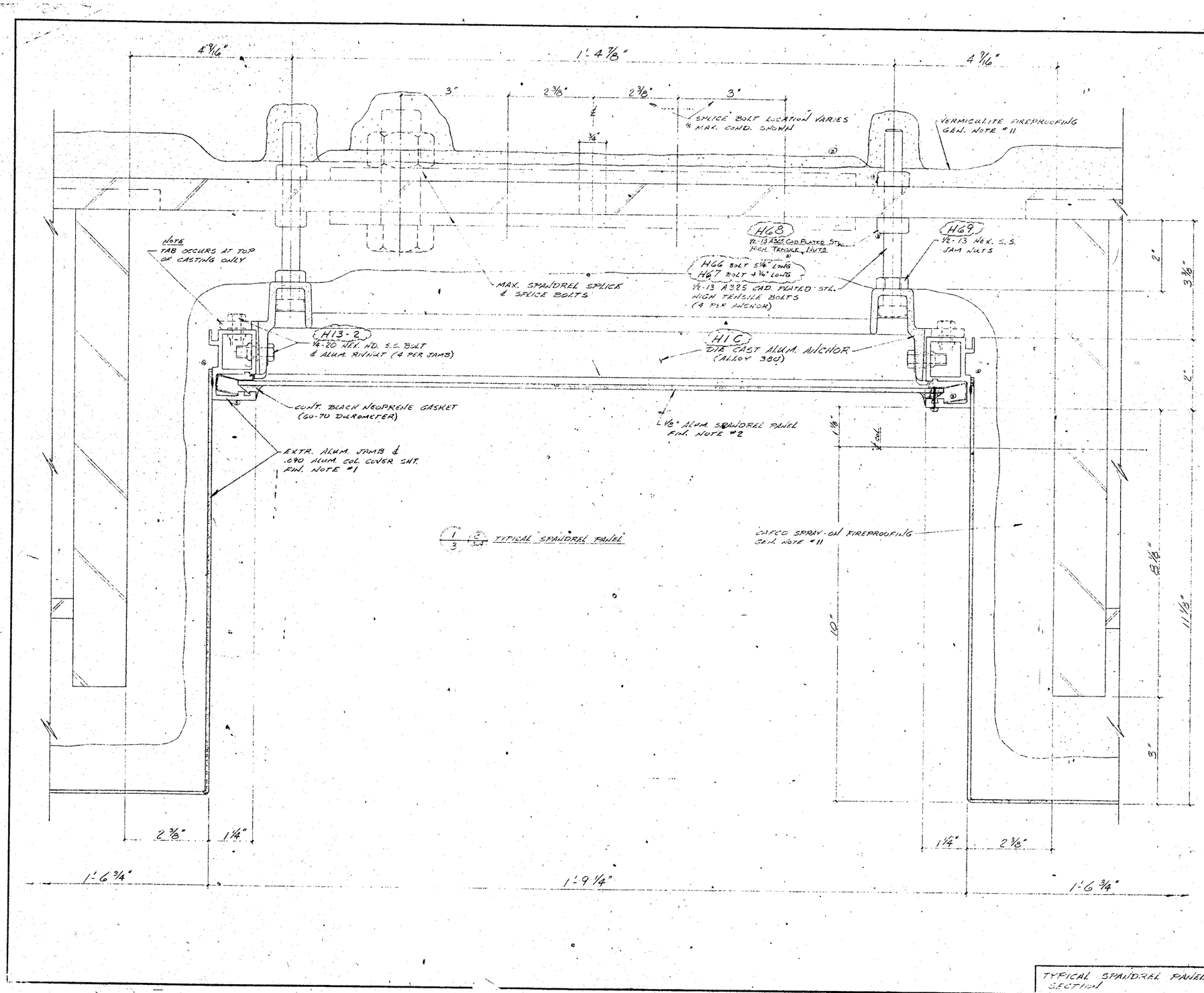
REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	CHECKED
				DATE
				CHECKED

ALCOA
CUPPLES
PRODUCTS

TISHMAN
OCT 14 1971
CONSTRUCTION DEPT.

DATE	PRINTS	TO	FOR
	PRINT	RECORD	

JOB NUMBER 67000 | SHEET 24



TYPICAL SPANDREL PANEL SECTION

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN RUSS Marante
NO.	DATE	BY	DESCRIPTION	
A	3-14-69	[illegible]	GENERAL	DATE 7-19-68
B	5-8-69	[illegible]	GEN. REVN.	
C	[illegible]	[illegible]	EXISTING PANEL	CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

1 7 7/8

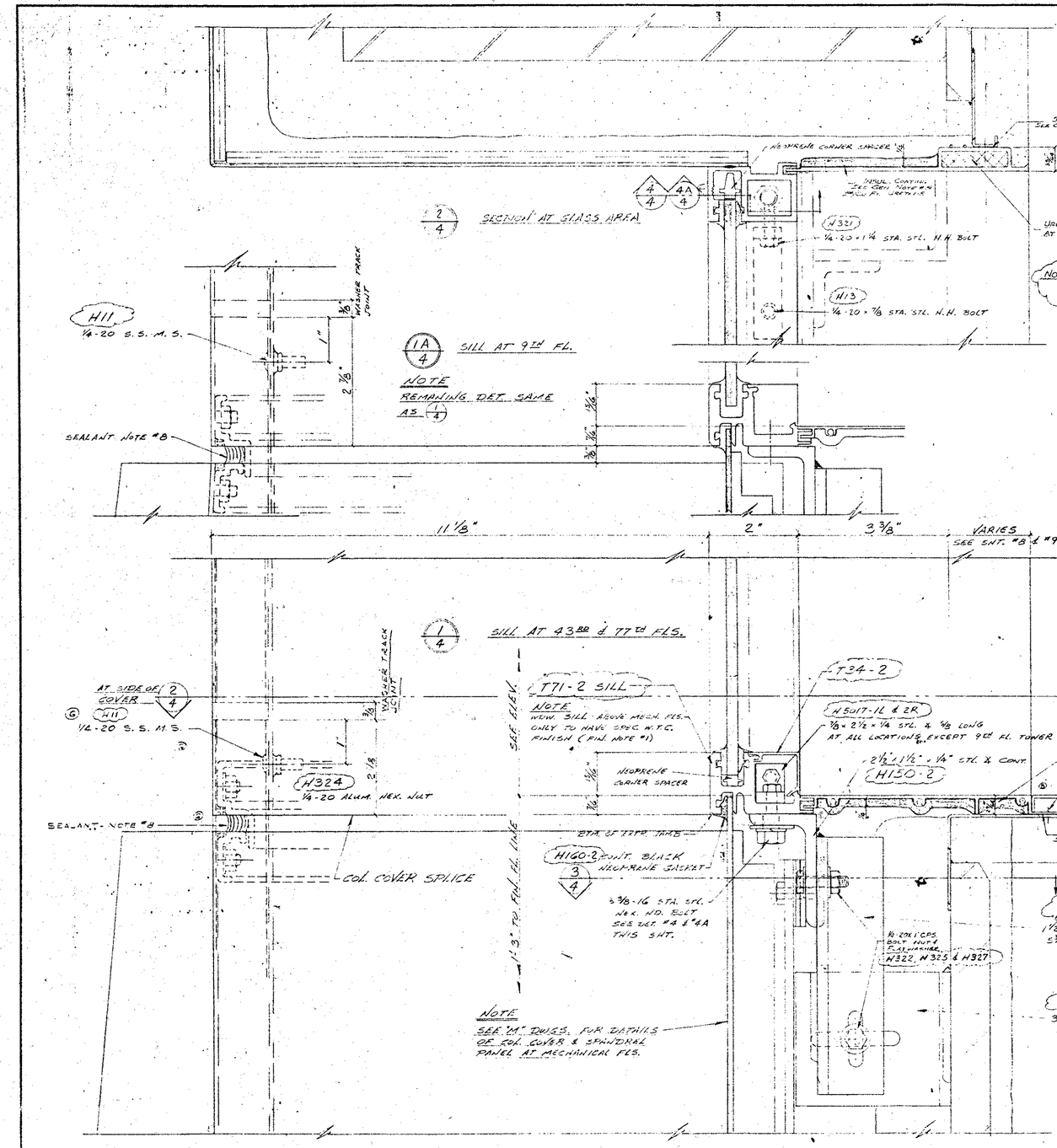
APPROVED AS NOTED FOR TYPICAL TRANSMITTAL OF SHOP DRAWINGS

DATE	PRINTS	TO	FOR
4-22-71	2 PRINTS & SEPIA	FILE & RECORD	APPROVED AS NOTED
[illegible]	2 PRINTS	SECTION	CONFORM
3-2-69	2 PRINTS & SEPIA	FILE & RECORD	APPROVED AS NOTED SUBJECT TO FIELD CONDITIONS
3-19-69	2 PRINTS & SEPIA	SEC. CONN.	APPROVED AS NOTED SUBJECT TO FIELD CONDITIONS
11-6-68	2 PRINTS & SEPIA	CURTAIN WALL	APPROVED AS NOTED SUBJECT TO FIELD CONDITIONS
7-19-68	2 PRINTS & SEPIA	SEC. CONN.	APPROVED AS NOTED SUBJECT TO FIELD CONDITIONS

PRINT RECORD

JOB NUMBER AB 71060

SHEET 3 OF [illegible]



JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.2W

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	
A	1-1-69	GM	GENERAL	DATE 7-19-68
B	1-17-69	GM	SILL LINER	
C	7-21-69	GM	GEN. REV.	CHECKED
D	9-15-69	GM	GEN. REV.	

ALCOA BUILDING PRODUCTS
ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

F	3-10-70	JC	SECTION MKS.
G	6-17-70	JC	REV. JOINT

TISHMAN
AUG 24 1970
CONSTRUCTION DEPT.

DATE	PRINTS	TO	FOR
4-3-70	2 PRINTS & 1 REPRO	REVISED SEALS	C.P.D.-N.Y.
11-3-70	1 REPRO	FILE RECORD	
4-22-70	2 PRINTS & 1 REPRO	FILE RECORD	
10-7-9	7 PRINTS	ERECTION	CPD-NY
8-8-69	12 PRINTS & 2 REPRO	FILE & RECORD	
3-14-69	13 PRINTS	4TH SUBM.	
11-6-68	13 PRINTS	2ND SUBM.	
7-19-68	5 PRINTS	1ST SUBM.	

PRINT RECORD

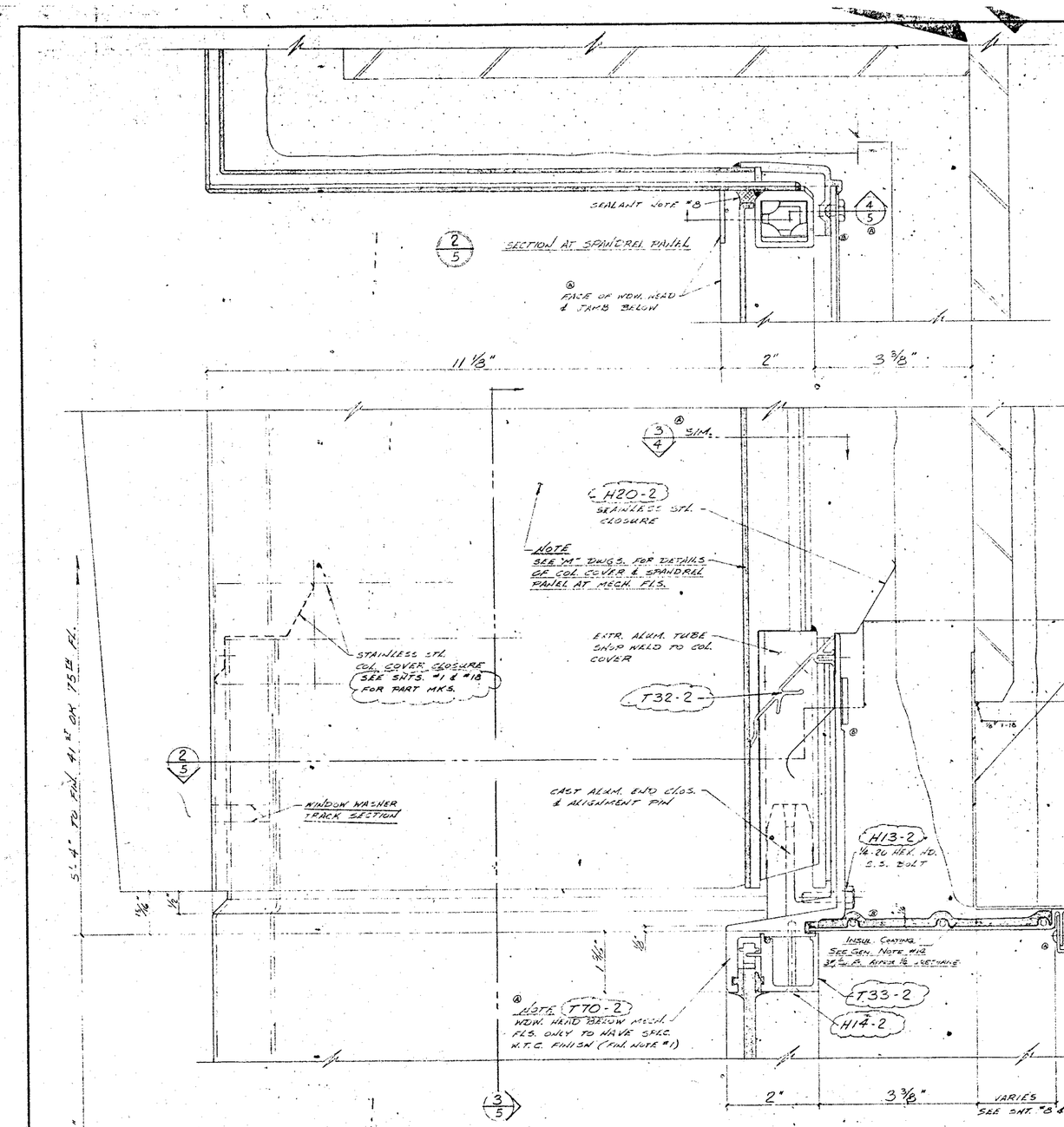
APPROVED: REF. TISHMAN TRANSMITTAL OF 9/12/69.

SILL AT 9TH, 43RD & 77TH FLS.

JOB NUMBER AB 71000

SHEET 4 OF ____

File #. 27



JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	9-5-68		GENERAL
B	9-11-68		GEN. REV.
C	9-19-68		GR REVISION PANS

DRAWN: LUCAS / AZANTE
DATE: 7-19-68
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: BEE TISHMAN
TRANSMITTAL OF 9/10/69.

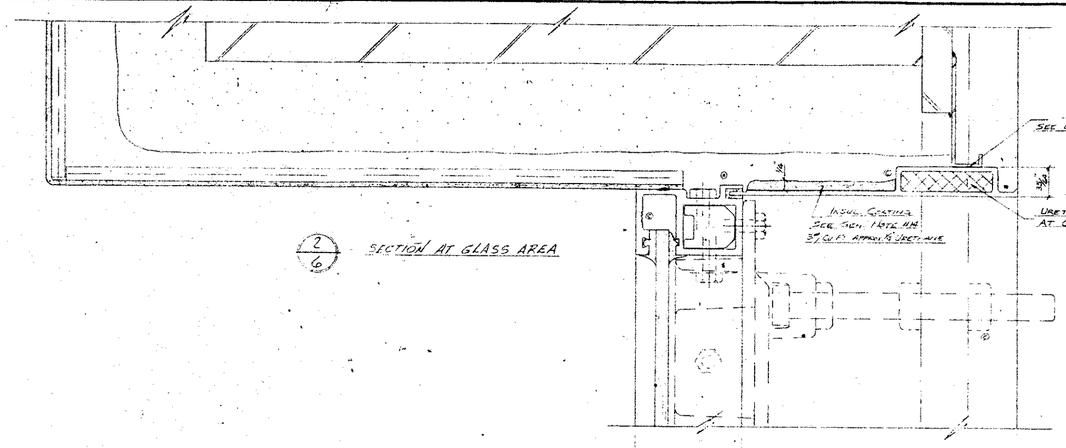
DATE	PRINTS	TO	FOR
6-22-70	12 PRINTS	FILE (RECORD)	PRINT RECORD
10-7-9	7 PRINTS	BEE	CONSTRUCTION
8-8-69	12 PRINTS	FILE (RECORD)	CONSTRUCTION
3-11-69	1 PRINT	BEE	CONSTRUCTION
11-6-68	12 PRINTS	FILE (RECORD)	CONSTRUCTION
9-19-68	12 PRINTS	FILE (RECORD)	CONSTRUCTION
9-19-68	1 PRINT	BEE	CONSTRUCTION

HEAD AT 40TH & 74TH FLS.

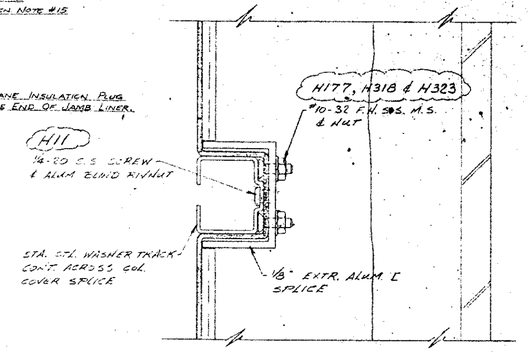
JOB NUMBER AB71000

SHEET 5 OF

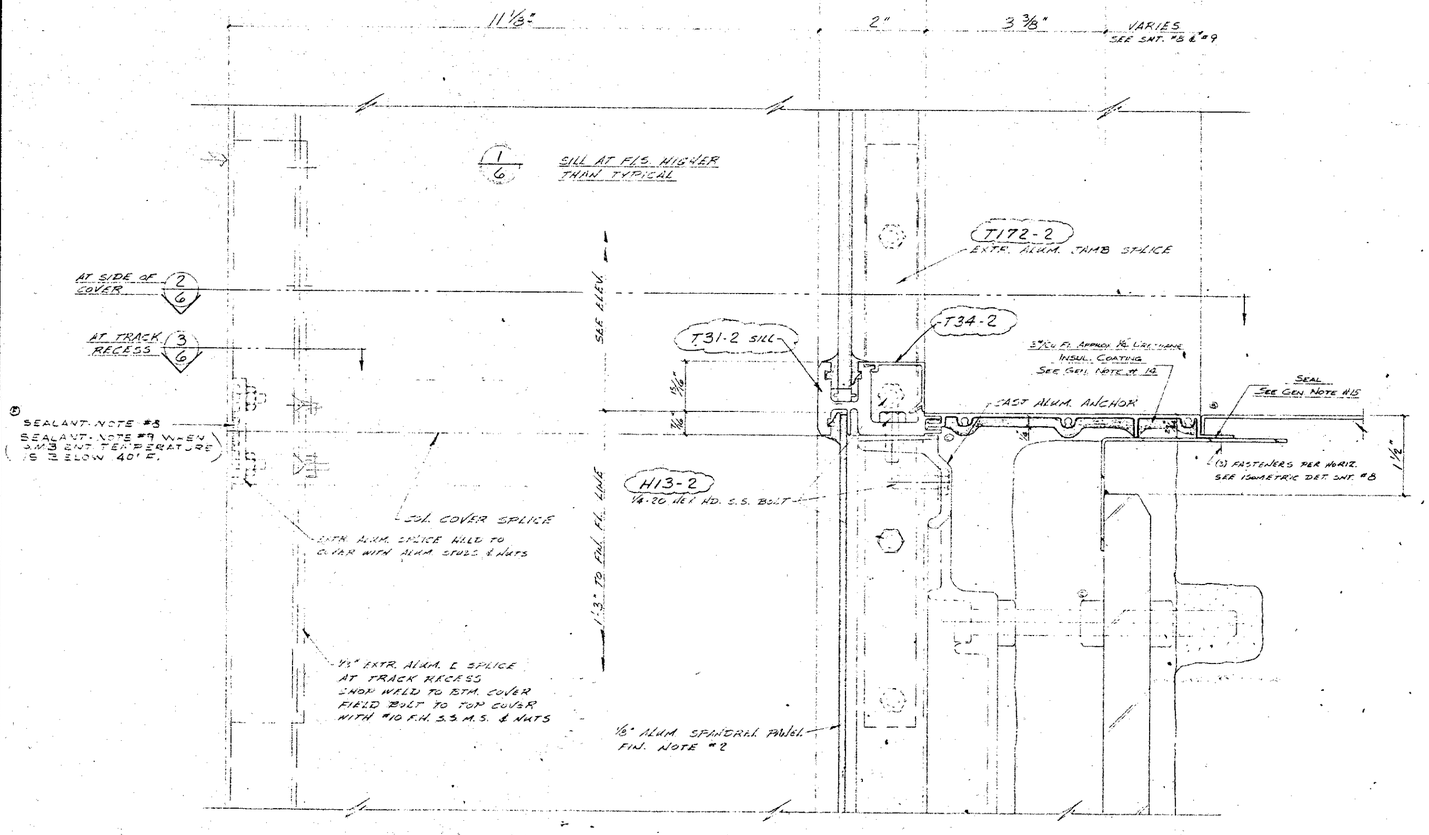
FILE No. 97



2/6 SECTION AT GLASS AREA



3/6 SECTION AT TRACK RECESS SPLICE



SILL & COL. COVER SPLICE
TOWER 'A'
44TH, 45TH, 67TH, 68TH, 78TH & 79TH FLS.
TOWER 'B'
44TH, 45TH, 78TH & 79TH FLS.

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN RUSS LATRANTE
NO.	DATE	BY	DESCRIPTION	
A	3-6-68	V	GENERAL	DATE 7-19-66
B	11-14-68	GH	SILL LINER	
C	3-18-69	GH	GEN REV	CHECKED
D	8-21-69	GH	FABRICATION NOTE	

ALCOA CUPPLES PRODUCTS — CURTAIN WALL TOWERS A & B

F 10-15-69 | ADD TEXT TO GENERAL NOTE

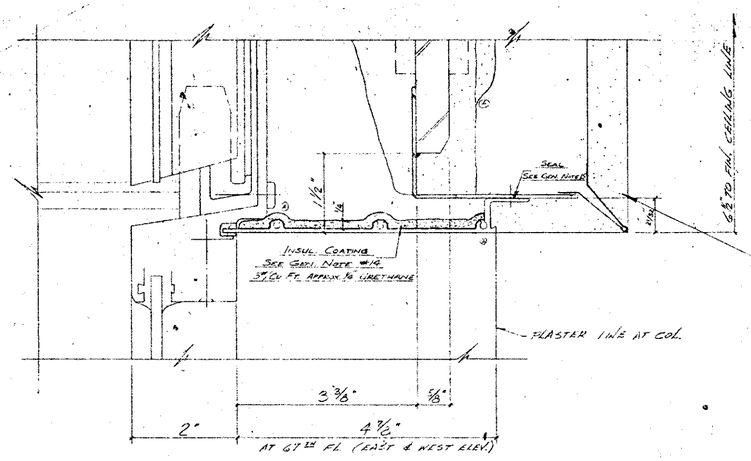
APPROVED: REF. TISHMAN TRANSMITTAL OF 9/15/69.

DATE	PRINTS	REVIEW	
4-22-70	3 PRINTS	FILE RECORD	APPROVED AS NOTED
4-17-70	3 PRINTS	DIRECTION	APPROVED AS NOTED
3-6-68	4 PRINTS	FILE RECORD	APPROVED AS NOTED
3-18-69	3 PRINTS	SBM	APPROVED AS NOTED
1-6-69	4 PRINTS	2ND SUBM.	APPROVED AS NOTED
7-11-68	11 PRINTS	1ST SUBM.	APPROVED AS NOTED

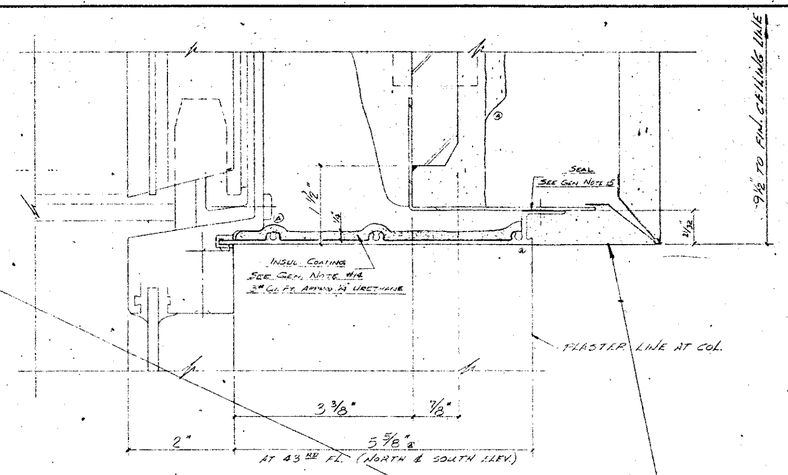
DATE | PRINTS | TO | FOR
PRINT RECORD

JOB NUMBER AB 71000 | SHEET 6 OF

EMC 11-67

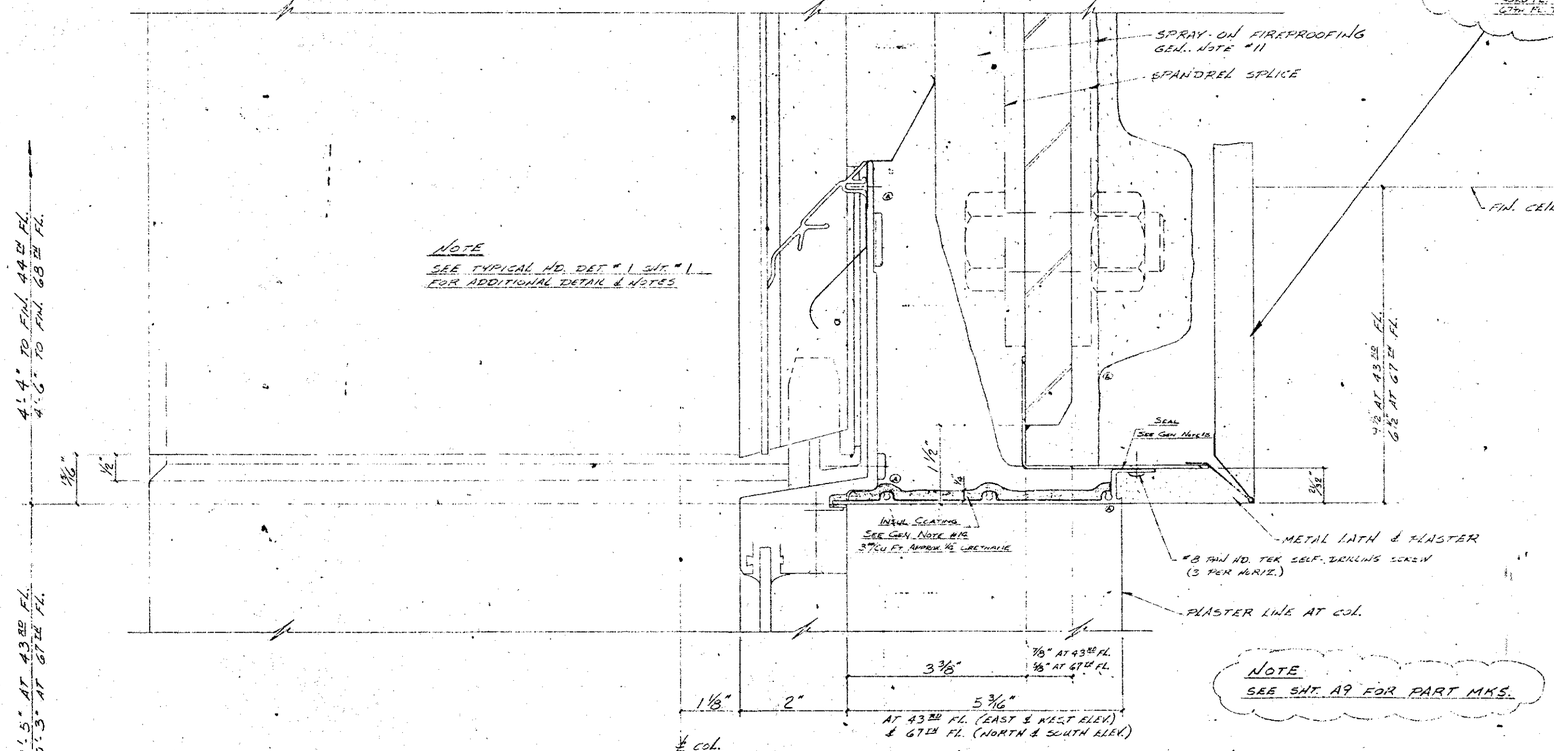


1B / 7



1A / 7

NOTE:
COORDINATE INSTALLATION OF PLASTER WITH TENANT ARCHITECTS OF RESPECTIVE FLOORS:
43RD FL. TENANT ARCHT. - PONYA
67TH FL. TENANT ARCHT. - MYA



NOTE
SEE SHT. A9 FOR PART MKS.

1 / 7 (1E 30A) HEAD AT 43RD & 67TH FLS.

HEAD AT 43RD & 67TH FLS.
TOWER 'A' ONLY

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	1-8-68		GEN. REV.
B	2-14-68		SHEET 5, 7, 9, 11, 13
C	4-15-68		ELECTRICAL NOTES

DRAWN RUSS LAMAITE
DATE 7-19-68
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

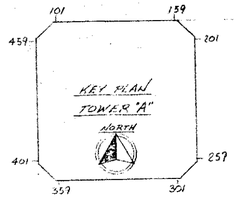
APPROVED: REF. TISHMAN TRANSMITTAL OF 7/12/69.

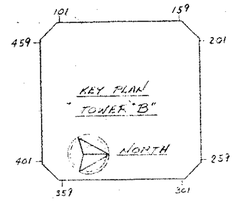
DATE	PRINTS	TO	FOR
6-12-70	2 SEPIAS & 2 BLUES	FILE (RECORD)	AS REQ'D.
10-7-69	7 PRINTS	ERECTION	CONFORM
8-14-69	1 PRINT & 1 SEPIA	FILE & RETURN	AS REQ'D.
3-19-69	1 PRINT & 1 SEPIA	3RD SUB.	1 PRINT & 1 SEPIA
7-19-68	1 PRINT & 1 SEPIA	1ST SUBM.	1 PRINT & 1 SEPIA

PRINT RECORD

JOB NUMBER A 71000
SHEET 7 OF ___

FILE No. 97

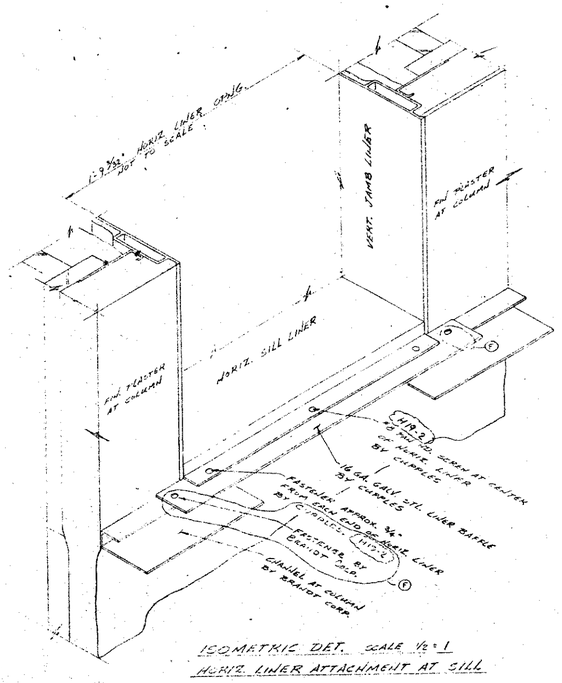




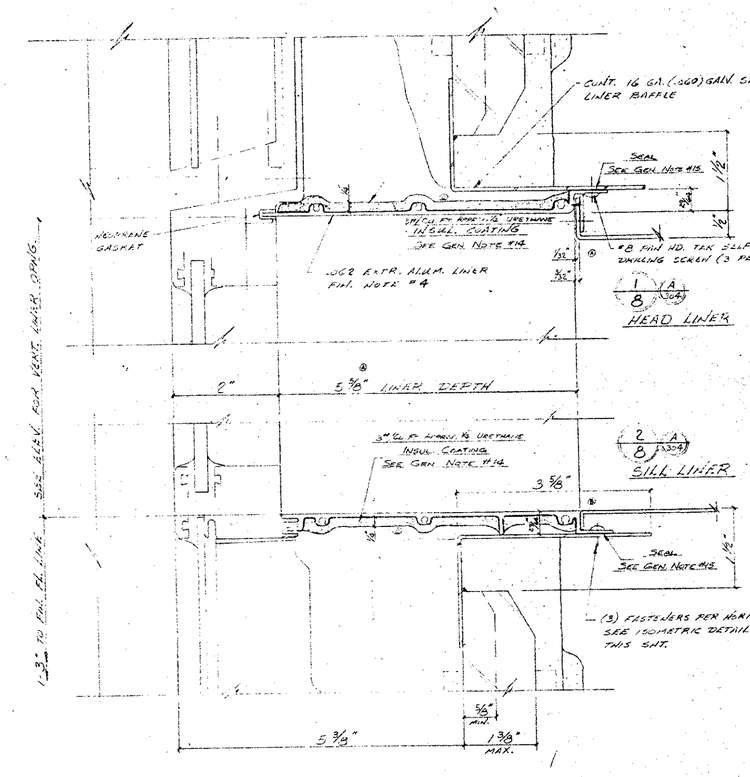
INTERIOR LINER SCHEDULE

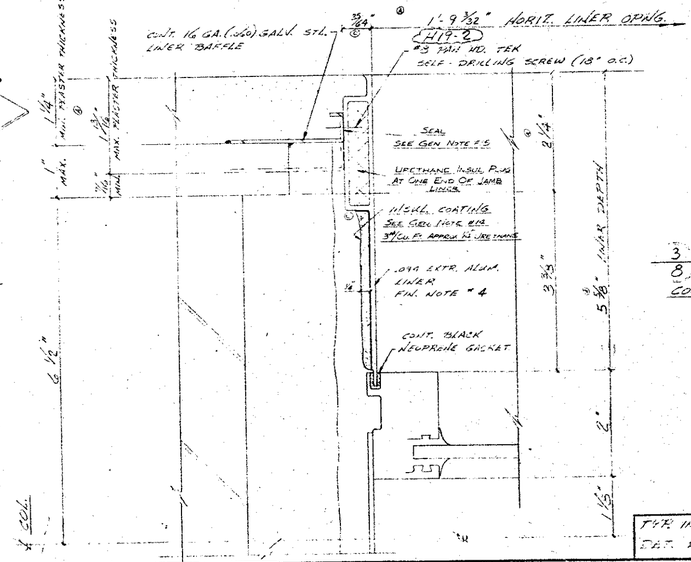
TOWER	ELEV.	FLS.	LINER DEPTH	DETAILS HEAD	SILL	COL.
A	NORTH OR SOUTH	9 THRU 39	5 5/16"	1/8	2/8	3/8
		40	5 5/16"	1/5	2/8	3/8
		43	5 5/16"	1A/7	2/8	3/8
		44 THRU 66	5 3/16"	1/9	2/9	3/9
		67	5 3/16"	1/7	2/9	3/9
		68 THRU 73	5 3/16"	1/9	2/9	3/9
		74	5 3/16"	1/5	2/9	3/9
		77 THRU 105	4 7/8"	4/9	5/9	6/9
		106	4 7/8"	4/9	5/7	6/9
		107				
A	EAST OR WEST	9 THRU 39	5 3/16"	1/9	2/9	3/9
		40	5 3/16"	1/5	2/9	3/9
		43	5 3/16"	1/7	2/9	3/9
		44 THRU 51	5 3/16"	1/9	2/9	3/9
		52 THRU 66	4 7/8"	4/9	5/9	6/9
		67	4 7/8"	4/7	5/9	6/9
		68 THRU 73	4 7/8"	4/9	5/9	6/9
		74	4 7/8"	1/5	5/7	6/9
		77 THRU 105	4 7/8"	4/9	5/7	6/9
		106	4 7/8"	4/9	5/7	6/9
		107				
B	NORTH OR SOUTH	9 THRU 39	5 3/16"	1/9	2/9	3/9
		40	5 3/16"	1/5	2/9	3/9
		43 THRU 51	5 3/16"	1/9	2/9	3/9
		52 THRU 73	4 7/8"	4/9	5/9	6/9
		74	4 7/8"	1/5	5/9	6/9
		77 THRU 105	4 7/8"	4/9	5/9	6/9
		106	4 7/8"	4/9	5/9	6/9
		107				
B	EAST OR WEST	9 THRU 39	5 5/8"	1/8	2/8	3/8
		40	5 5/8"	1/5	2/8	3/8
		43 THRU 73	5 3/16"	1/9	2/9	3/9
		74	5 3/16"	1/5	2/9	3/9
		77 THRU 105	4 7/8"	4/9	5/9	6/9
		106	4 7/8"	4/9	5/7	6/9
		107				

NOTE
SEE SHT. A9 FOR PART MKS.



ISOMETRIC DET. SCALE 1½" = 1'
HORIZ. LINER ATTACHMENT AT SILL





3 2 8 J54
COL. LINER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.109
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	11-4-71	MJ	GENERAL
B	11-24-71	MA	SILL LINER
C	12-8-71	MA	GEN. NOTE
D	12-15-71	MA	ISOLATION TRAY
E	1-17-72	MA	

DRAWING NO. 155 CAD #172
DATE 7-19-72
CHECKED
ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B
F 2-10-71 IGP FACTS-INGER & ASSOC.

H19-2

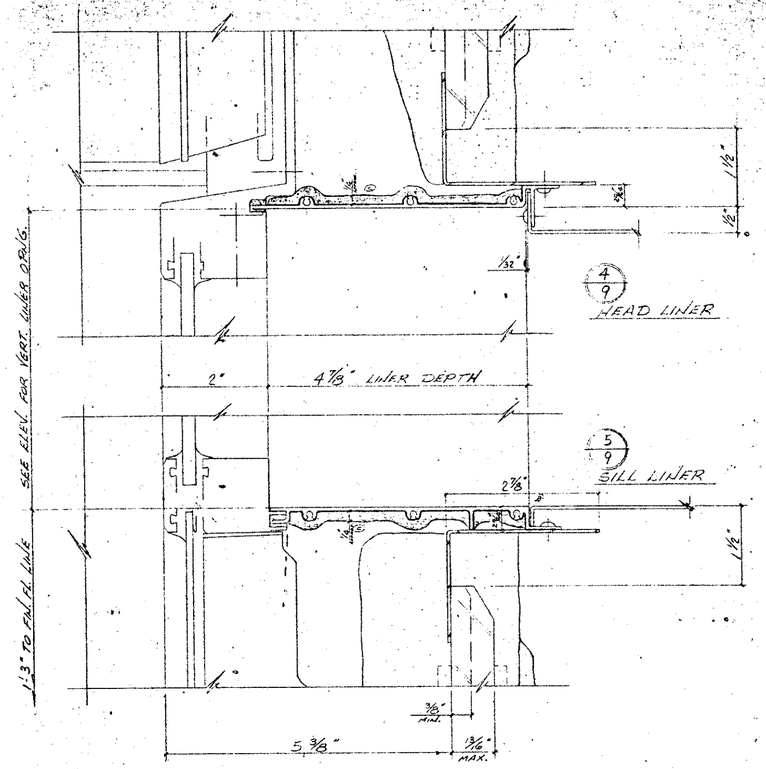
APPROVED: REE. TISHMAN TRANSMITTAL OF 9/12/72

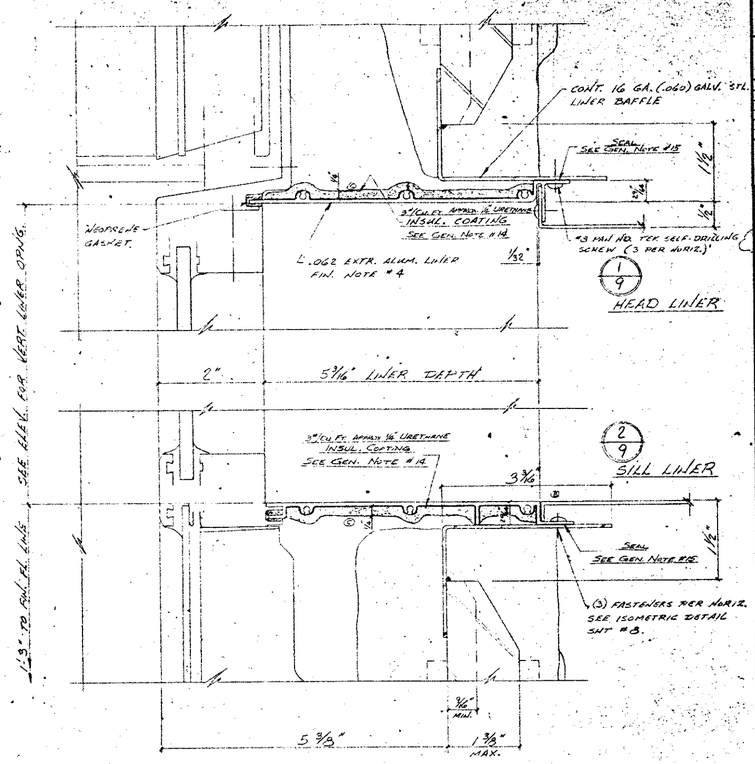
DATE	PRINTS	TO	FOR
2-16-71	7 PRINTS	ERECTION	
2-19-71	10 PRINTS 1 SEPIA	FILE RECD.	
7/6/71	4 PRINTS	CURTAIN WALL	
8-5-71	2 PRINTS	FOR APPROVAL	
8-18-71	4 PRINTS	FILE & RECORD	
8-18-71	10 PRINTS 1 SEPIA	SILL LINER	
11-4-71	4 PRINTS	GEN. NOTES	
7-17-72	4 PRINTS 1 SEPIA	ISO. DETAIL	

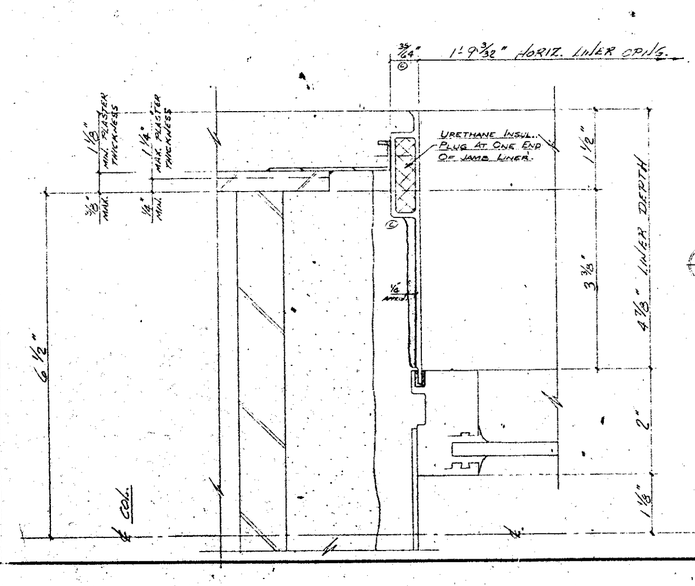
PRINT RECORD

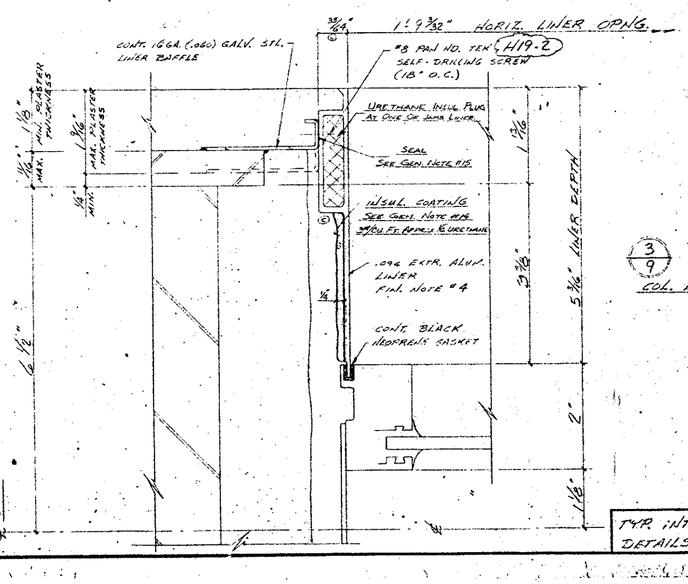
T&R INTERIOR LINER DET. & SCHEDULE

JOB NUMBER AT 71000
SHEET A 10









JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	4-68	KX	GENERAL
B	7-19-68	KX	SILL LINER
C	7-25-68	KX	GEN. REV.
D	8-21-68	KX	ALUMINUM MFR.
E	9-18-68	KX	ADDED DET.

DRAWN RUSS LAMPITE
DATE 7-19-68
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 9/12/69.

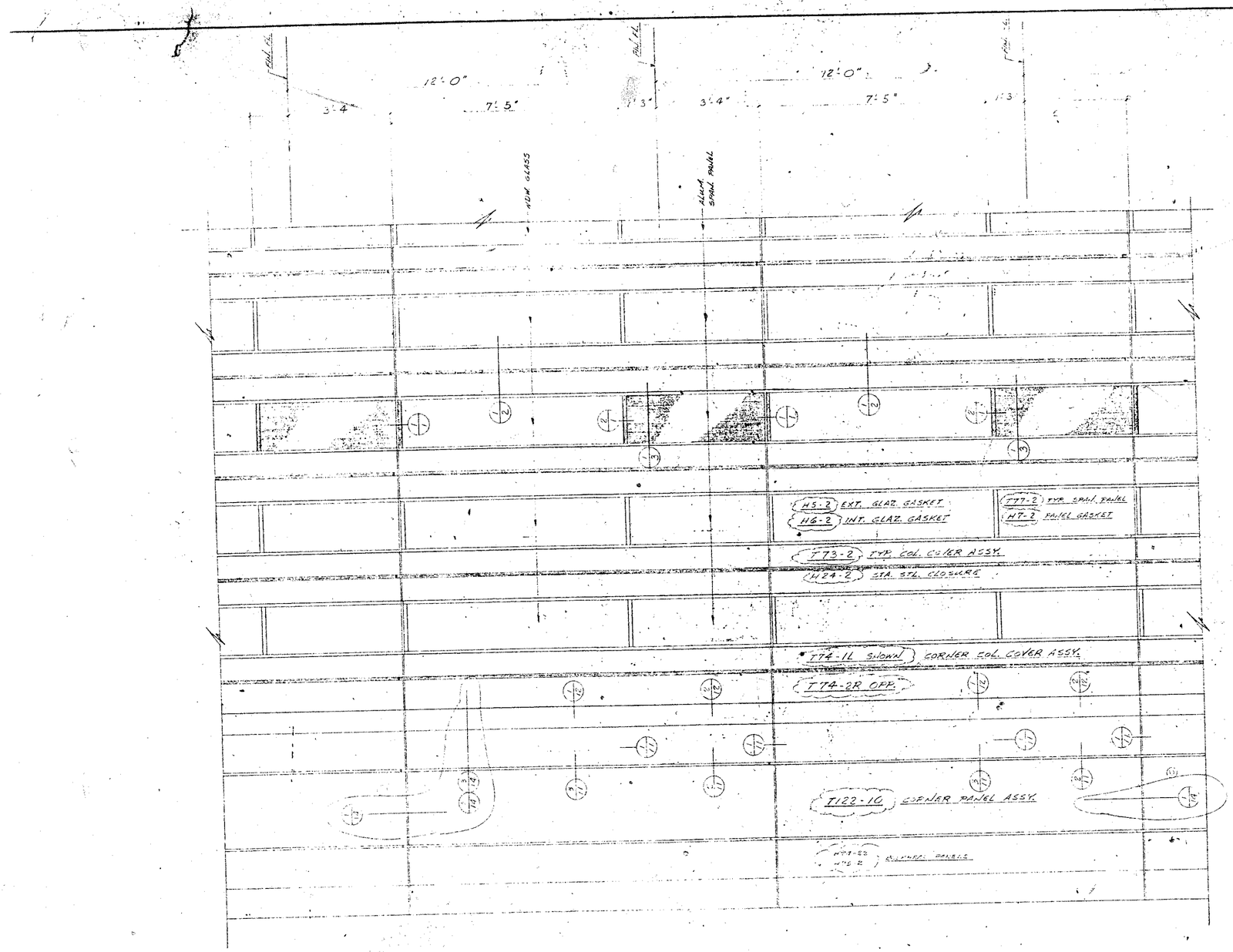
DATE	PRINTS	TO	FOR
4-22-70	12 PRINTS	MILT & COLLINS	E. PERMIT
10-1-69	7 PRINTS	J. FETTON	CERTIFICATE OF OCCUPANCY
8-8-69	12 PRINTS	FRED P. PETRUCCI	1 SET APPROVED 11 SETS RETURNED
5-19-69	12 PRINTS	J. ZEH	1 SET APPROVED 11 SETS RETURNED
1-6-69	12 PRINTS	J. ZEH	1 SET APPROVED 11 SETS RETURNED
7-19-68	12 PRINTS	J. ZEH	1 SET APPROVED 11 SETS RETURNED

PRINT RECORD

JOB NUMBER AB 71000
SHEET NO. 9

TYP. INTERIOR LINER DETAILS

FILE W. 97



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4.05.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN M.
NO	DATE	BY	DESCRIPTION	DATE 7-17-69
A	10/69	MM	REVISIONS AS NOTED	
B				CHECKED
C				

ALCOA
CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED AS PER TISHMAN TRANSMITTAL OF 11-6-69

ARCH.	STRUCT.	MECH.	ELEC.
CIVIL	PLBG.	SPRINK.	

DATE IN PRINT: TO FOR
PRINT RECORD

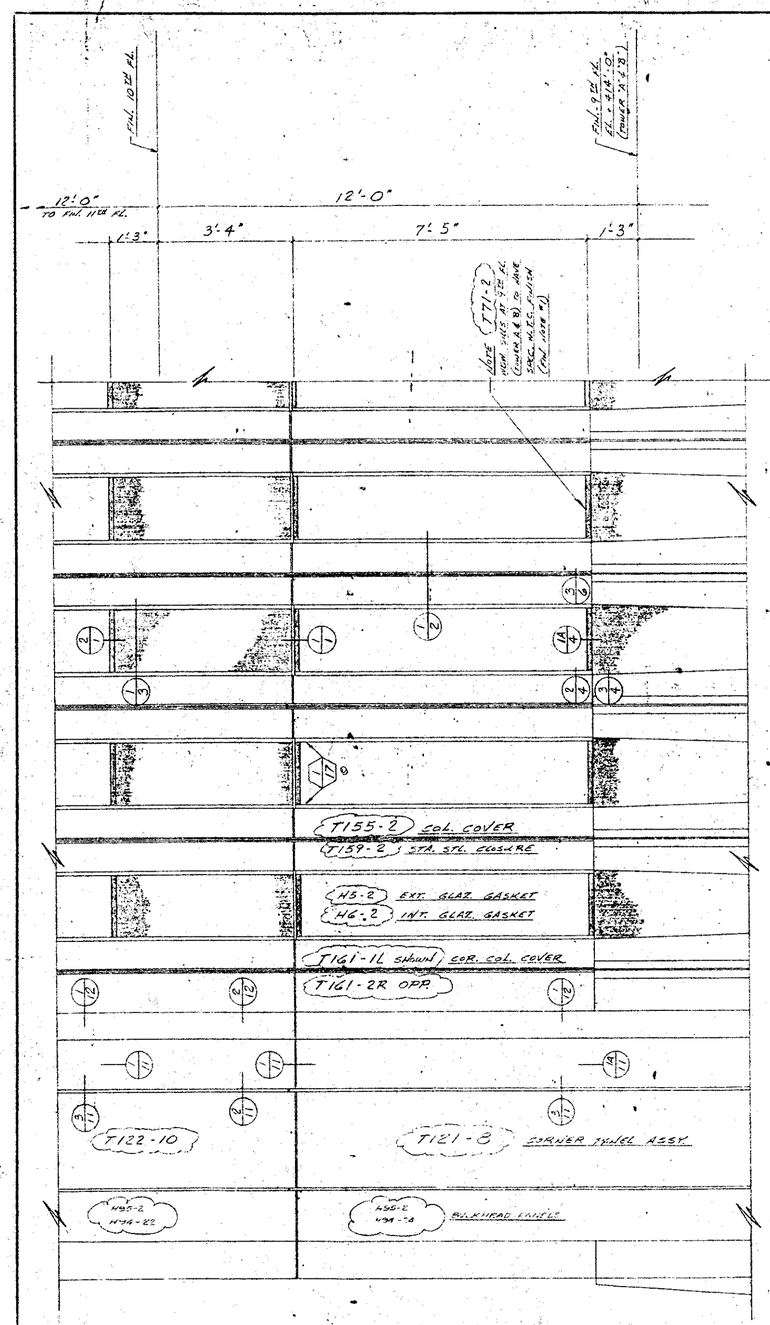
TISHMAN
APR 22 1970
CONSTRUCTION DEPT.

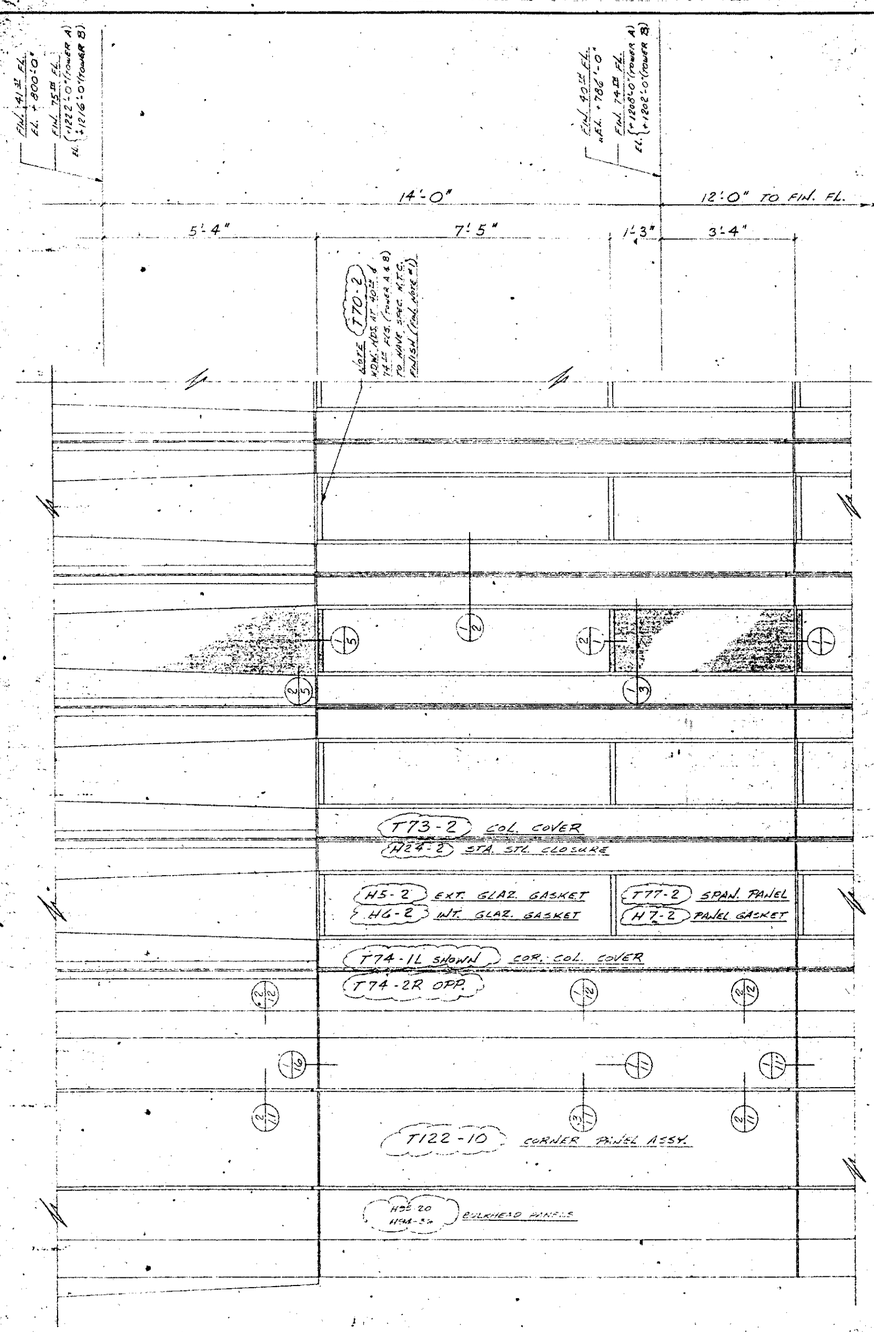
TYPICAL FLOOR ELEVATION AT CORNER

JOB NUMBER AB T1000

SHEET E1 of ___

FILE 15.37





JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN: RUSS / ARANTZ
NO.	DATE	BY	DESCRIPTION	
A	10-11-68	MK	GENERAL	DATE: 7-19-68
B	12-16-68	MK	ADD "OPTION" UNITS	
C	1-15-69	SM	[illegible]	CHECKED
D	3-24-69	MK	[illegible]	

ALCOA CUPPLES PRODUCTS — CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 9/26/69.

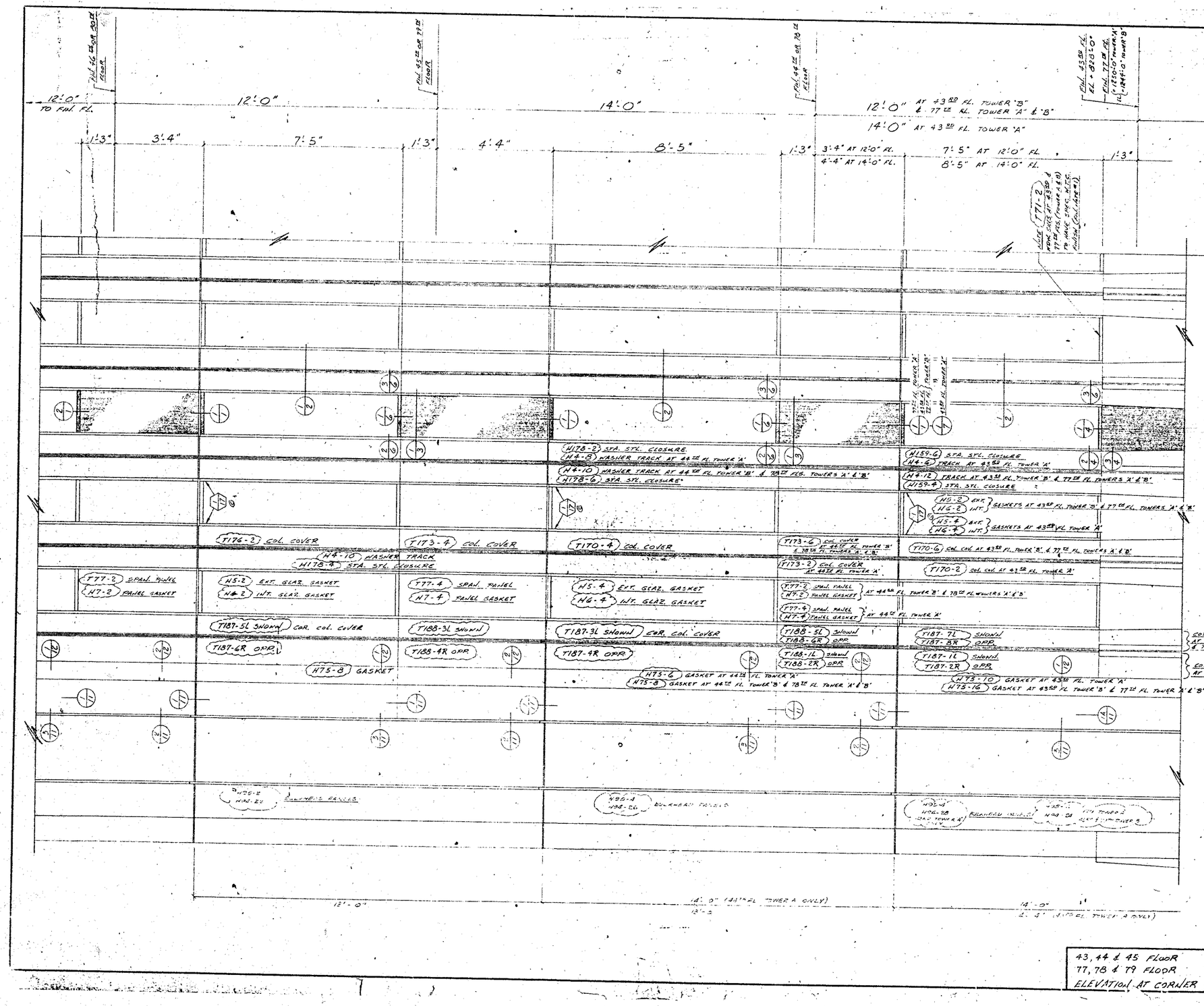
4-22-70			
AS-BUILT			
12-31-69			
11-21-69			
11-7-69			
10-24-69			
10-10-69			
DATE (M) PRINTS: 10			FOR

PRINT RECORD

9TH FLOOR, 40TH FLOOR
74TH FLOOR
ELEVATION AT CORNER

JOB NUMBER: AB 71000
SHEET: E2

FILE 11.3



JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.U.

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	11-1-69	K	GENERAL
B	12-16-69	PH	ADD TARGET WALL
C	3-18-70	KM	ADD FRAME TYP. CL. FRAME
E	4-2-70	KM	ADD FRAME

DRAWN RUSS LAKANITE
DATE 7-19-68
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

F	5-20-70	M.	CORRECTIONS AS REQ. & NOTED

APPROVED: REF. TISHMAN TRANSMITTAL OF 9/12/69

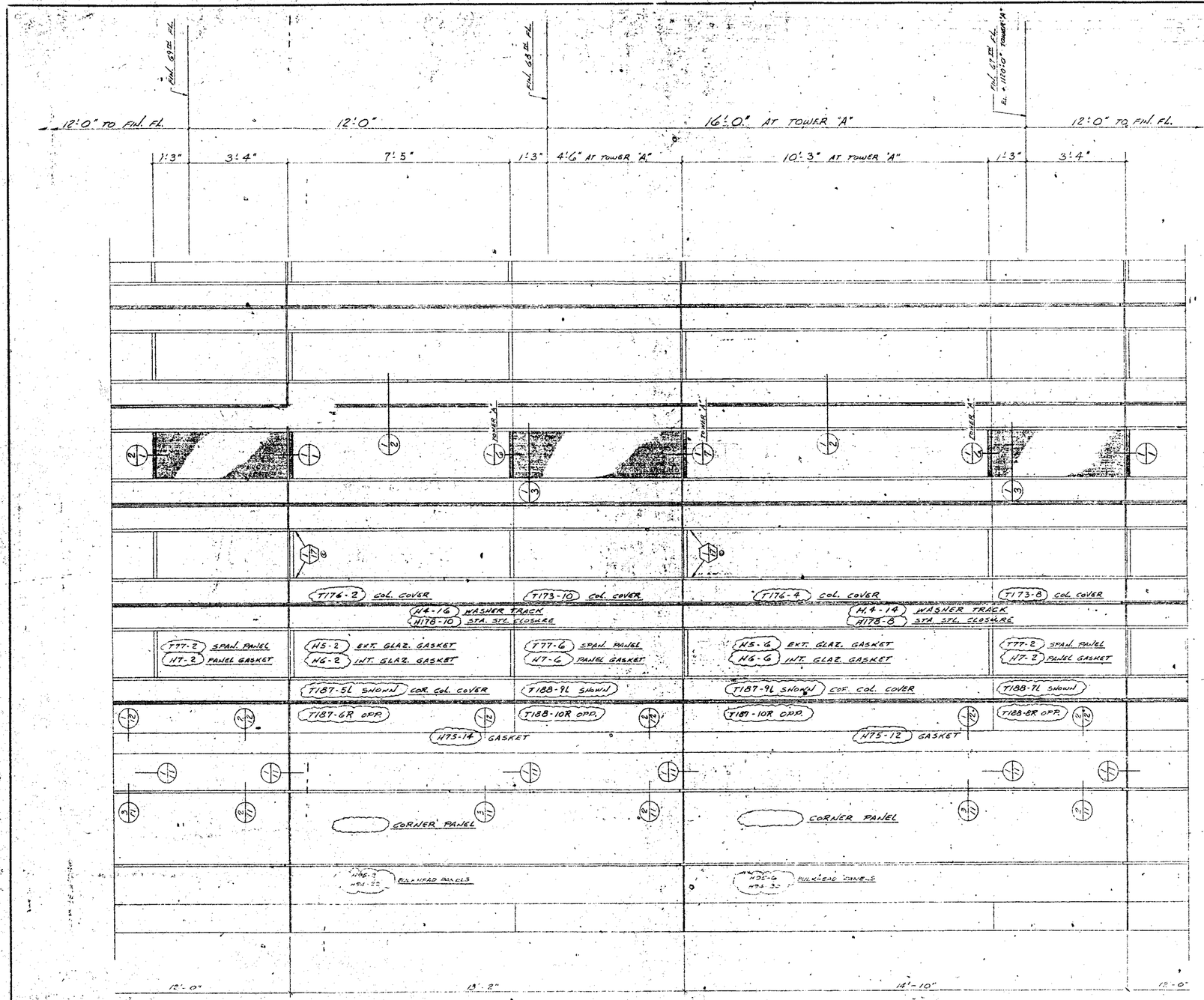
4-22-70	PLANTER	FILE #	ADDENDUM
10-7-6	ISSUED	W. Am	P. Zdanis
4-8-70	ISSUED	FILE	
3-18-70	ISSUED	CHECKED	
3-11-70	ISSUED	CHECKED	
2-4-70	ISSUED	CHECKED	
1-21-70	ISSUED	CHECKED	
11-14-69	ISSUED	CHECKED	
10-7-69	ISSUED	CHECKED	
9-17-69	ISSUED	CHECKED	
DATE	ALL PRINTS	FILE	

PRINT RECORD

43, 44 & 45 FLOOR
77, 78 & 79 FLOOR
ELEVATION AT CORNER

JOB NUMBER AB 71000

SHEET E3



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
A	10-25	RL	GENERAL
B	11-21	CW	ADD TRACK SEC.
C	3-26-68	GM	REMOVED TUBE STRAP
D	5-24-68		ADD BEAM
E	7-19-68		CORRECTION
F	9-10-70	RL	CORRECTION NOS.

DRAWN HASS
LAMINTE
DATE 7-19-68
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REC. TISHMAN TRANSMITTAL 9/10/70

6-22-70	12 PANELS 2 REMA	FILE # RECORD	90 SILL EXTENSIONS 180 CLOSURES
10-1-69	2 PANELS	18 METAL	18 - MT.
8-8-69	2 PANELS 2 SILLS	FILE #	22 SILL EXTENSIONS 22 CLOSURES
7/11/69	2 PANELS 2 SILLS	22 METAL	22 SILL EXTENSIONS 22 CLOSURES
5-19-69	14 PANELS	252 SILLS	252 SILL EXTENSIONS 252 CLOSURES
12/4/68	2 PANELS 2 SILLS	1ST SIDE	36 SILL EXTENSIONS 36 CLOSURES
11-6-68	2 PANELS 2 SILLS	2ND SIDE	36 SILL EXTENSIONS 36 CLOSURES
7-19-68	1 PANEL 1 SILL	1ST SIDE	18 SILL EXTENSIONS 18 CLOSURES
DATE	NO PRINTS	TO	FOR

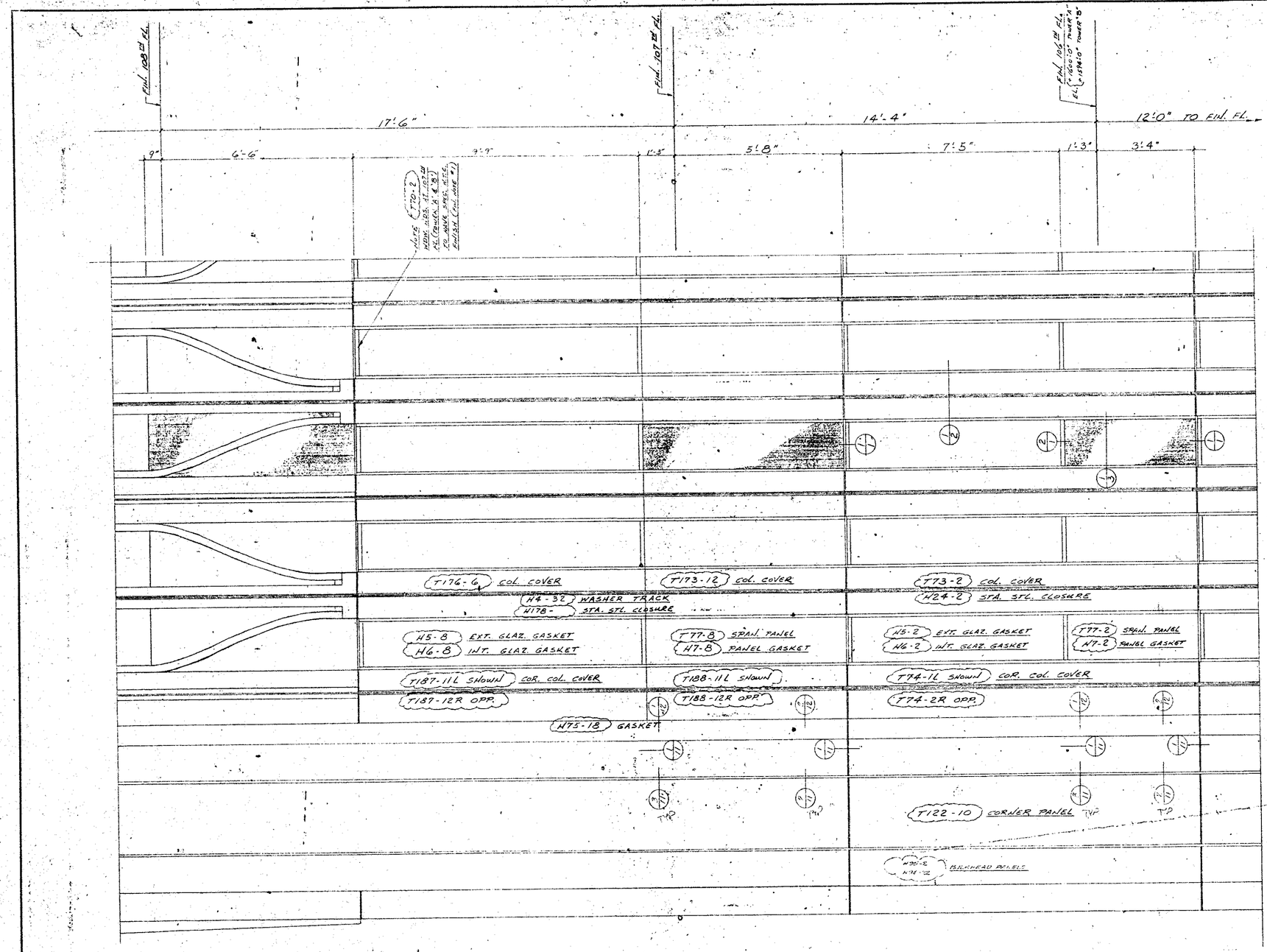
PRINT RECORD

67 & 68 FLOOR TOWER 'A' ELEVATION AT CORNER

JOB NUMBER A71000

SHEET E4

FILM 16-97



JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	9-2-69	JM	ADD SECT NOS.
2	9-2-69	JM	ADD MAT'L SPEC.
3	9-17-69	EJ	CAPTION MARKS
4	3-24-70		ERECTION MKS.

DRAWN RWSS LAFONTE
DATE 3-18-69
CHECKED

ALCOA
CUPPLES PRODUCTS

APPROVED: REF. TISHMAN TRANSMITTAL OF 7/21/69.

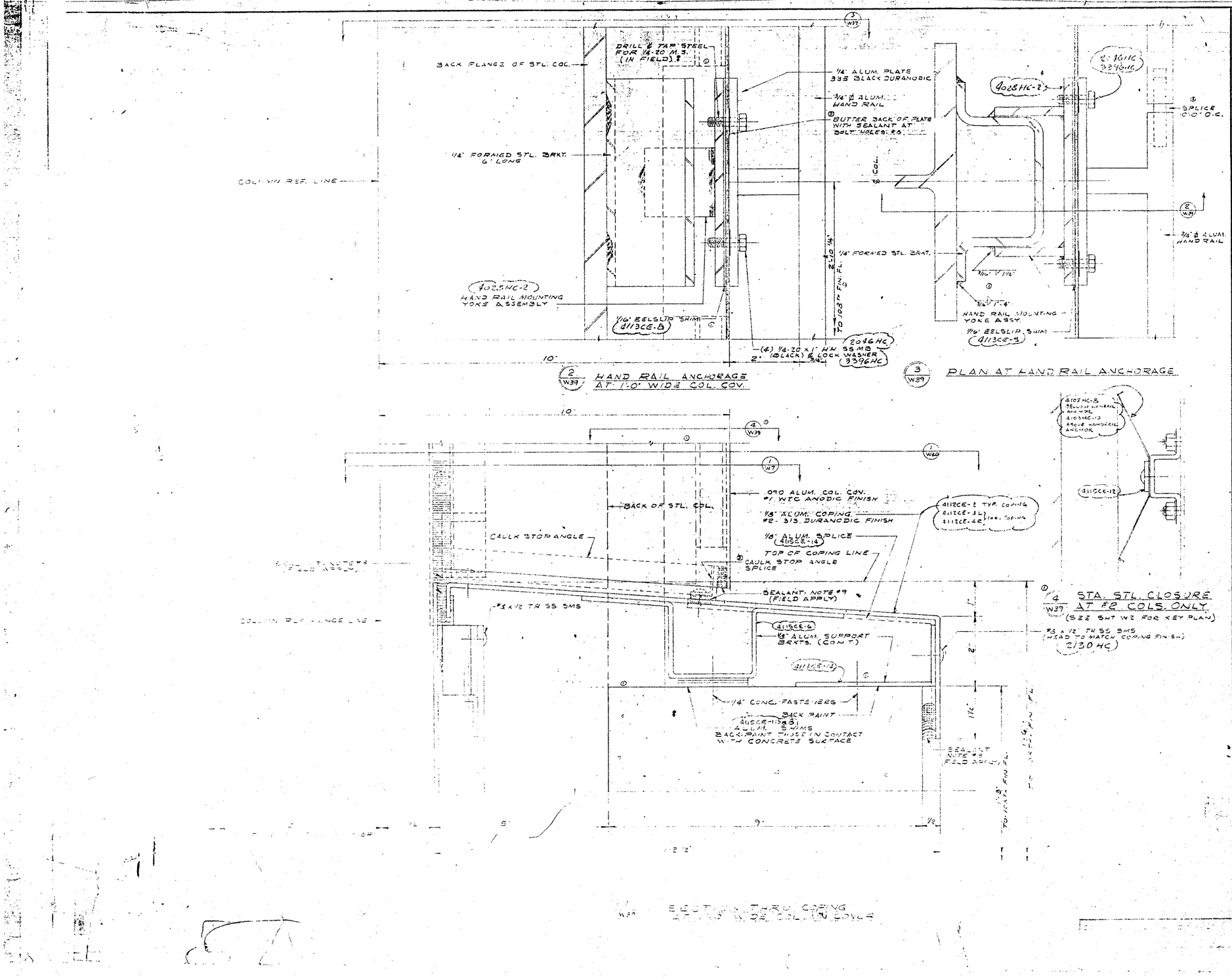
8-22-70	12 PRINTS FILE 8 SEPIA RECORD		
10-1-69	1 PRINTS	SPECIAL	CCD-NY
8-8-69	12 PRINTS 1 SEPIA	FILE & RECORD	
7/21/69	12 PRINTS 1 SEPIA	1 PRINT	
3-19-69	12 PRINTS 1 SEPIA	1 PRINT	
DATE	NO. PRINTS	TO	FOR

PRINT RECORD

106 & 107 FLOOR ELEVATION AT CORNER

JOB NUMBER AB71000

SHEET E5 OF



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4-03-1-3
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	3/10/71	JLE	STA. STL. TYP. JOINT DETAIL ADDED, ANCHOR REVISED
2	3/24/71	MH	Joint Marks
3	4/19	AC	Revised

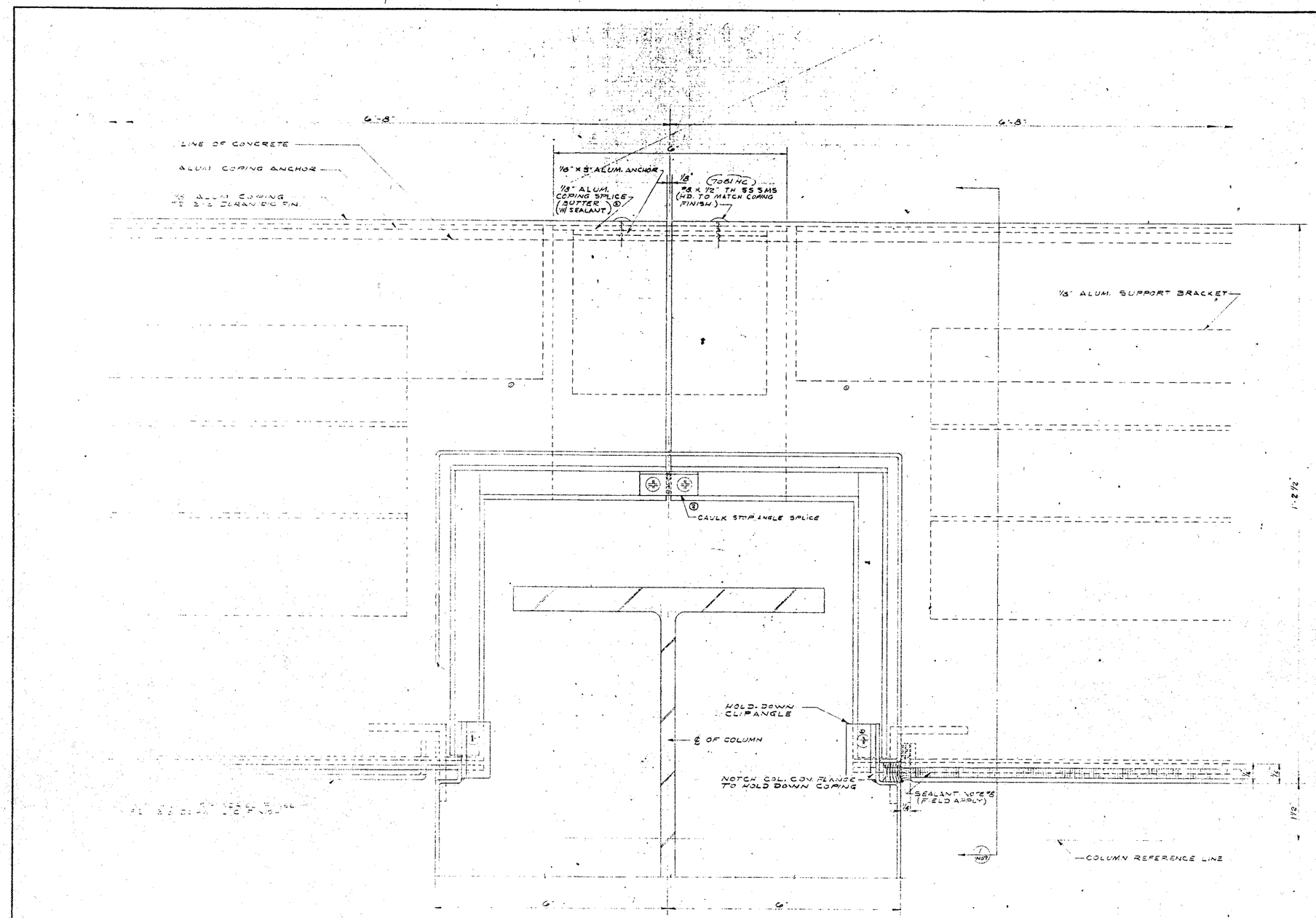
DRAWN J. L. LINSIN
DATE 5-25-71
CHECKED

ALCOA ALUMINUM PRODUCTS
CURTAIN WALL TOWERS A & B

APPROVED, REF. TISHMAN TRANSMITTAL C.E. 12-10-71

DATE	PRINTS	PRINT RECORD
4-7-72	7	CDD-W/S
4-7-72	2	CDD-W/S
4-7-72	2	CDD-W/S
4-7-72	2	CDD-W/S
5/17/71	2	CDD-W/S
5/17/71	2	CDD-W/S
5/17/71	2	CDD-W/S

JOB NUMBER
SHEET



1/W23 PLAN OF COPING AT 1'-0 WIDE COLUMN COVER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4001.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J. L. LINSIN
2	7/21/71	JLL	REVISED PER ADDENDUM	DATE
1	7/21/71	JLL	GENERAL	5-28-71
				CHECKED

ALCOA CLIPPLES PRODUCTS

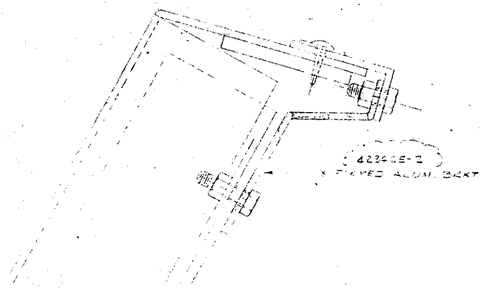
CURTAIN WALL TOWERS A & B

APPROVED, REF. TISHMAN TRANSMITTAL #2 7/23/71

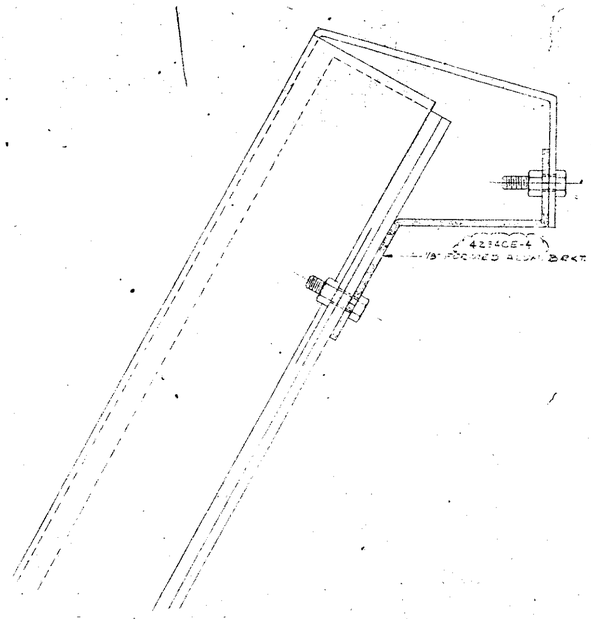
4-7-71	[illegible]	TISHMAN	[illegible]
7/21/71	ELECTRIC	[illegible]	A.P.W.
8/12/71	[illegible]	[illegible]	EVE
9/6/71	[illegible]	[illegible]	A.P.W.
9/22/71	[illegible]	[illegible]	[illegible]

DATE PRINTS TO FOR
PRINT RECORD

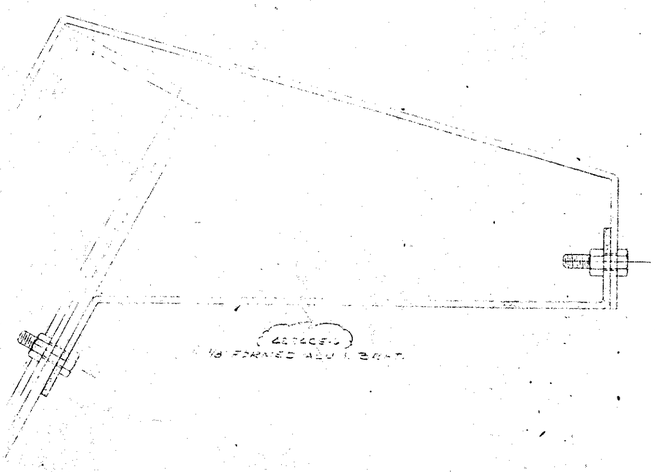
JOB NUMBER
SHEET



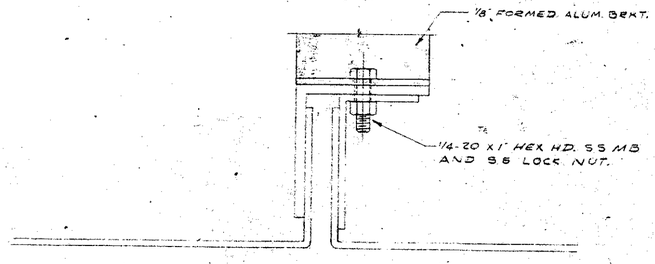
1/W32 SECTION THRU SLOPED PANELS SHOWING TIE-DOWN BRACKET TYPICAL



2/W32 SECTION THRU SLOPED PANELS SHOWING TIE-DOWN BRACKET AT TURNTABLE AREA



3/W32 SECTION THRU SLOPED PANELS SHOWING TIE-DOWN BRACKET AT WINDOW WASHER OPENING



4/W32 PLAN AT BRACKET

JOB NAME:
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. WTC-800.04
BULLETIN

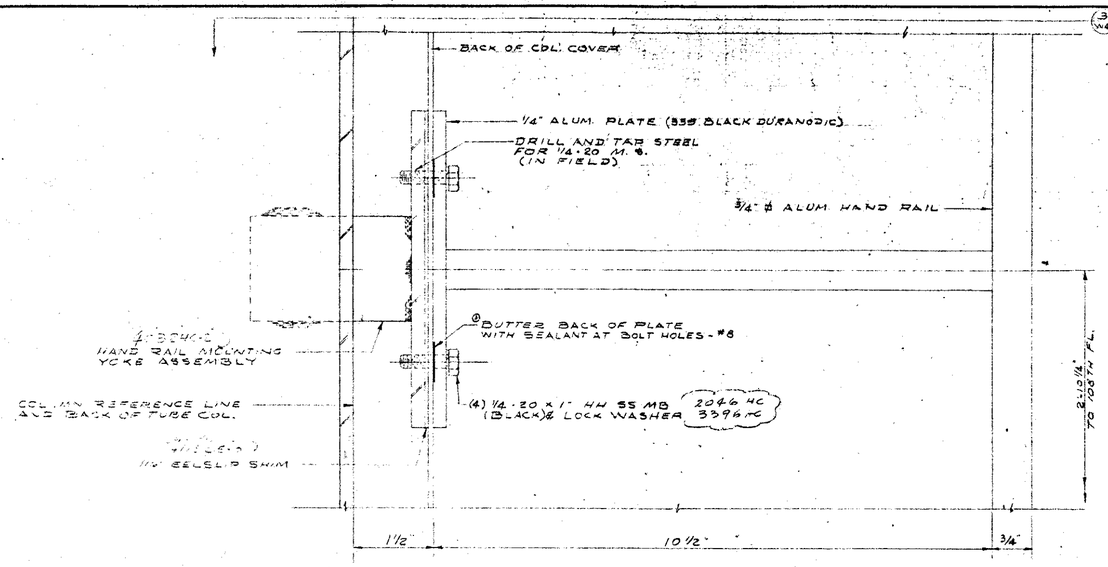
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
1	10-4-73	J.L.	REVISED PER W.P. 320-CALCULATIONS	DATE
2	11-19-73	J.L.	REVISED PER SHOP DRAWINGS	
				CHECKED

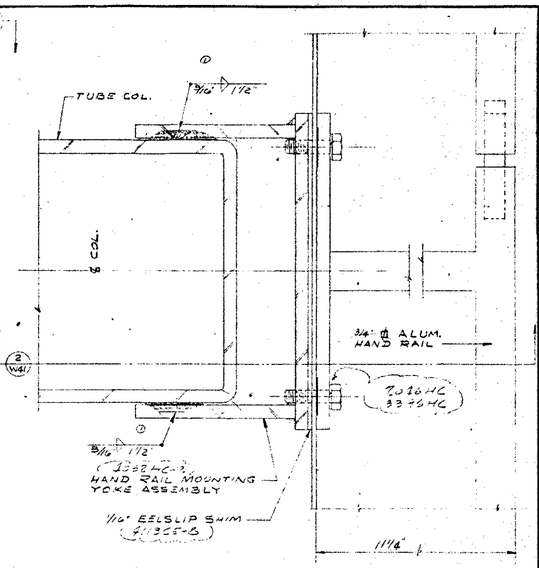
ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

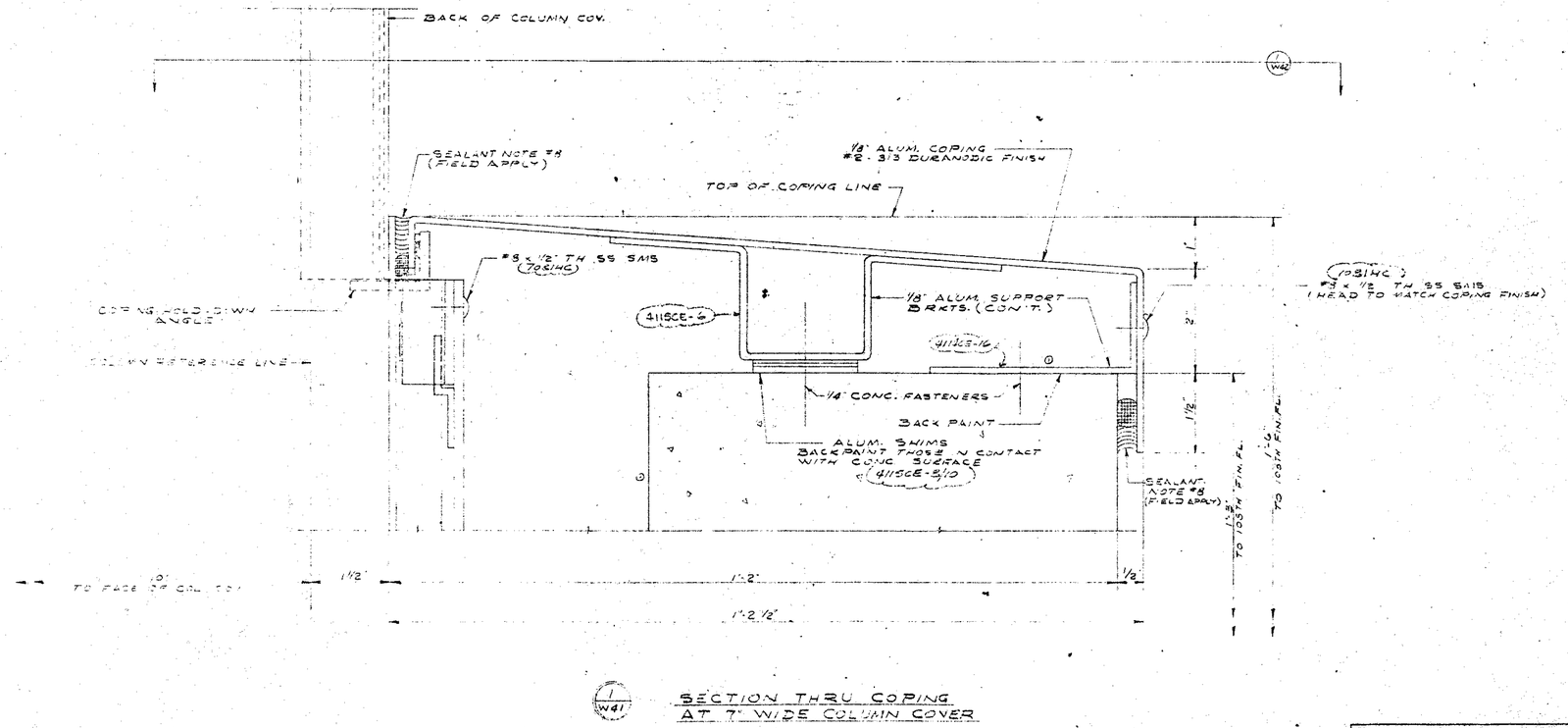
APPROVED: PER TISHMAN TRANSMITTAL OF 1-9-74



2/W41 HAND RAIL ANCHORAGE AT 7" WIDE COL. COV.



3/W41 PLAN AT HAND RAIL ANCHORAGE



1/W41 SECTION THRU COPING AT 7" WIDE COLUMN COVER

COPING AND HANDRAIL DETAILS AT 105TH FLOOR 7 WIDE

JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 600.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
(1)	4/7/72	WLL	PER CORRECTION SHT #W41-BULL-2
2	4/17/72	MP	PANEL MARKS
(3)	5/5/72	WLL	PANEL MARKS

DRAWN J.L. LINSIN
DATE 5-25-71
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

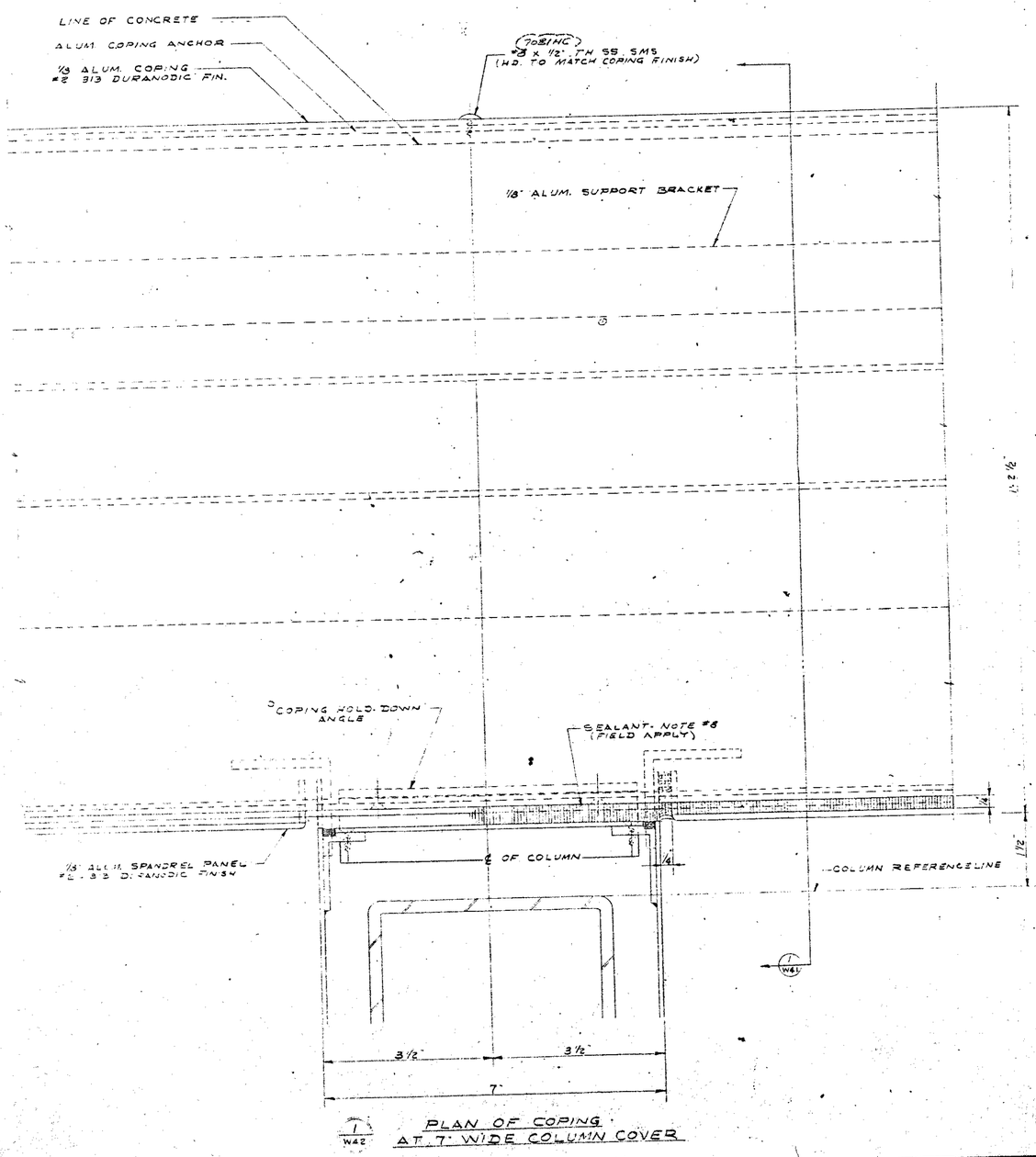
APPROVED: REF TISHMAN TRANSMITTAL OF 6-29-71

DATE	PRINTS	TO	FOR
4-7-72	4/7/72	TISHMAN	RECD
7/31/71	7/31/71	AMERICAN	APPROVAL
11/23/71	11/23/71	CPC	REC'D
9/16/71	9/16/71	CPC	APPR
8/25/71	8/25/71	CPC	APPR

PRINT RECORD

JOB NUMBER AE 7023

SHEET W41 OF



1 / W42 PLAN OF COPING AT 7" WIDE COLUMN COVER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 600.00
BULLETIN -

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	7/9/71	JLL	SUBMIT SHOP DRW. ALUM. & REV.

DRAWN J.L. LINSIN
DATE 5-25-71
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED. REF TISHMAN TRANSMITTAL OF 10-26-71

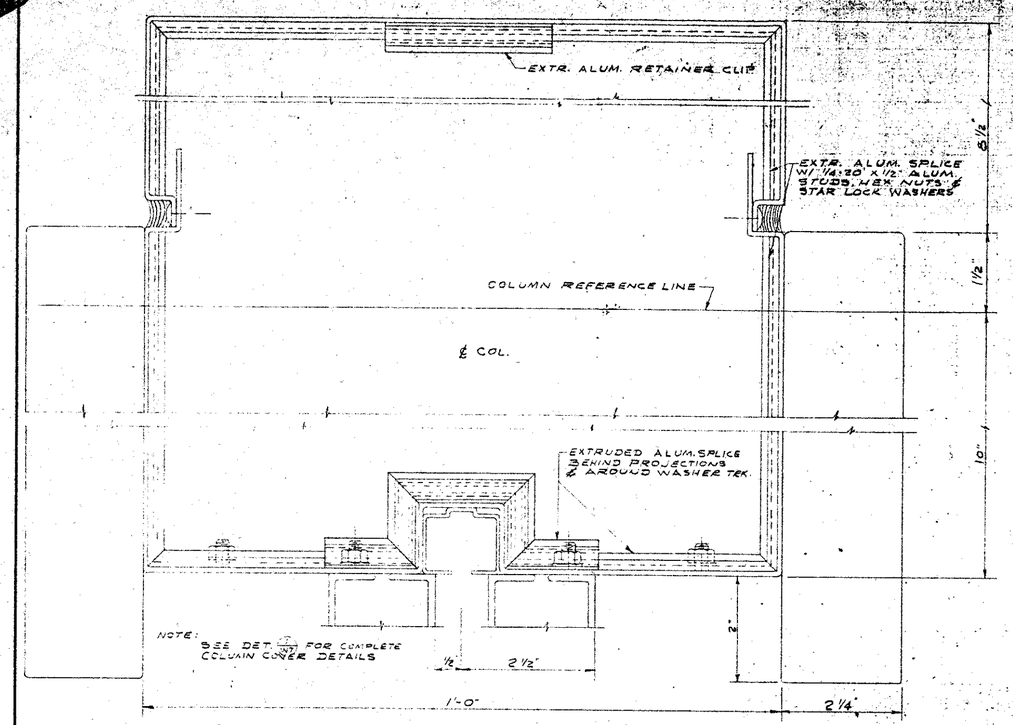
DATE	PRINTS	TO	FOR
4-7-71	7-PE	CPS-NC	FI
4-7-71	12 PEA	TISHMAN	Le
5/24/71	7 PRINTS	CPC NY	SH.
5/6/71	7 PRINTS	CPC NY	APPR
4/28/71	2 SEPIA	CPC NY	APPR

PRINT RECORD

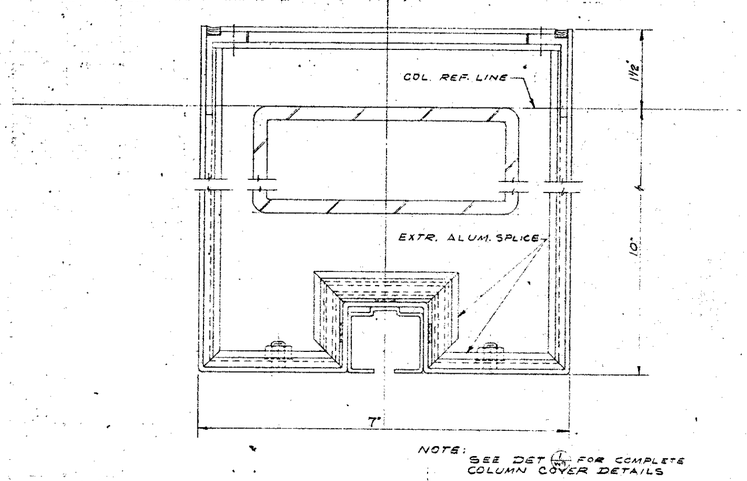
PLAN OF COPING AT 108TH FLOOR 7" WIDE COLUMN COVER

JOB NUMBER AB 71000

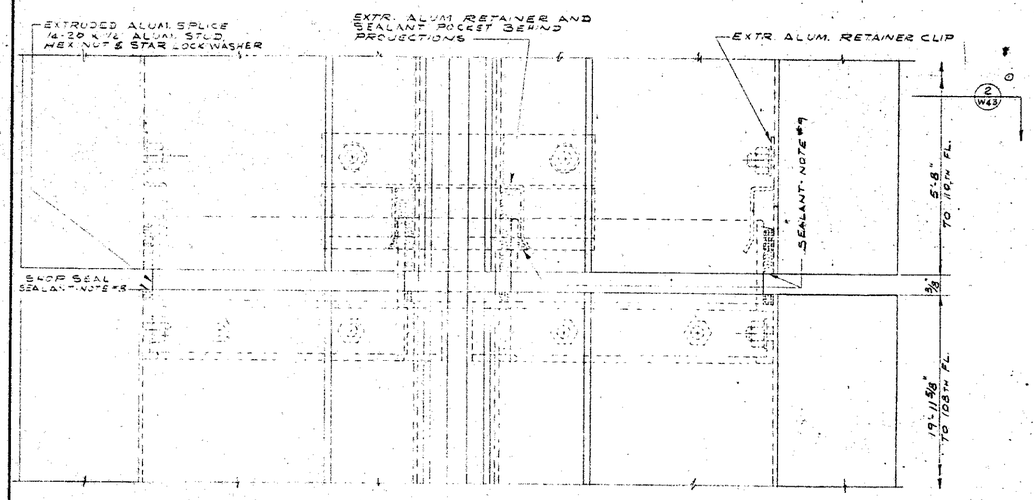
SHEET W42 OF



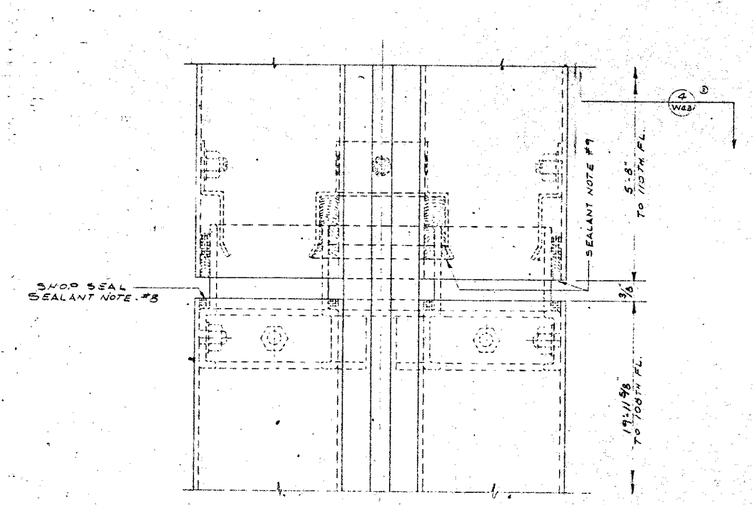
2/W43 PLAN OF SEALING DETAILS AT COLUMN COVER SPLICE BELOW 110TH FLOOR



4/W43 PLAN OF SEALING DETAILS AT COLUMN COVER SPLICE BELOW 110TH FLOOR



1/W43 1'-0" COLUMN COVER AT SPLICE BELOW 110TH FLOOR



3/W43 7" COLUMN COVER AT SPLICE BELOW 110TH FLOOR

JOB NAME
THE WORLD TRADE CE
THE PORT OF NEW YORK AUTH
CONTRACT W.T.C. 400.00
BULLETIN
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
2	5-7-71	J.L.	PER CONTRACT BULLETIN	DATE
1	7-21-71	J.L.	PER CONTRACT BULLETIN	5-25-71
				CHECKED

ALCOA BUILDING PRODUCTS

CURTAINWALL TOWERS A & B

APPROVED: REF TISHMAN TRANSMITTAL OF 10-26-71

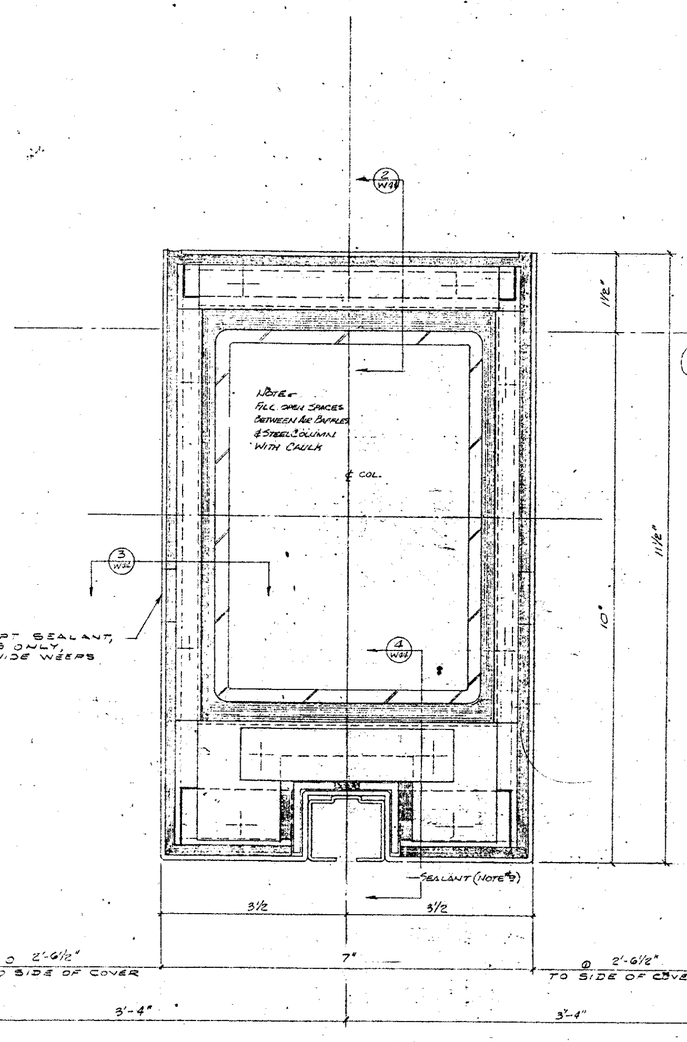
DATE	PRINTS	TO	FOR
4-7-72	7-PTS	CITY-WTC	CORRECTED
4-7-72	10 PTS & 2 SEPIAS	TISHMAN	RECORD
5/12/71	2 PTS & 1 SEPIA	CITY-WTC	APPROVAL
5/26/71	2 PTS & 1 SEPIA	CITY-WTC	APPROVAL

PRINT RECORD

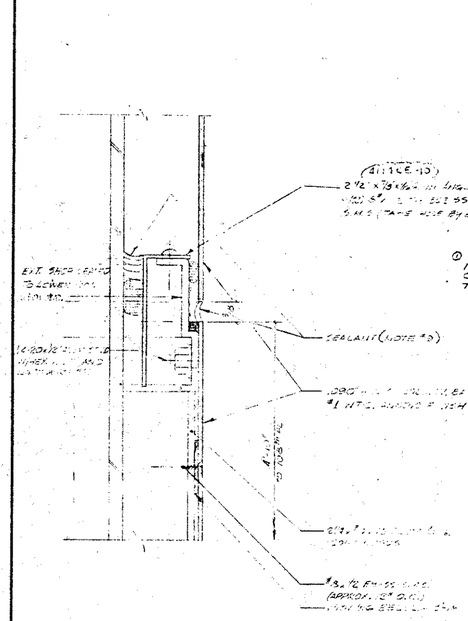
JOB NUMBER A-2 7100

SHEET W43 OF

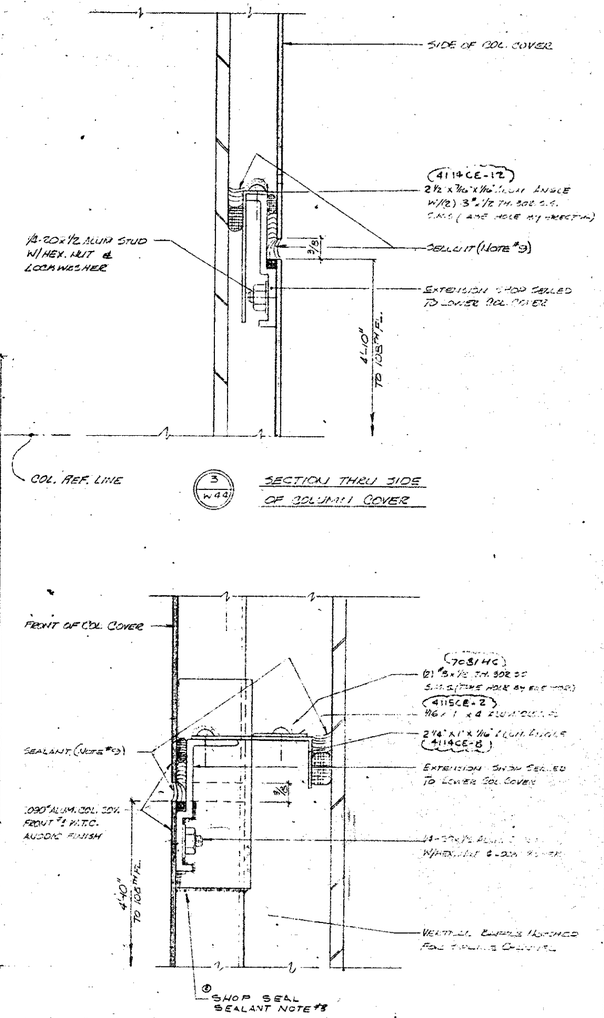
SULLIVAN SCHEMES DETAILS BELOW 110TH FLOOR



1 / W44 PLAN AT 108TH FLR. COLUMN COVER AT COLLAR WITH TERMINATES PRESSURE EQUALIZATION (WHERE TWS TUBE COLUMNS OCCUR)



2 / W33 SECTION THRU BACK OF COLUMN COVER



3 / W44 SECTION THRU SIDE OF COLUMN COVER

1 / W44 SECTION THRU FRONT OF COLUMN COVER

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	M. PASSINI
①	9/24/71	JCL	GENERAL	DATE
2	10/4/71	MP	PART MARKS	5-25-71
③	11/8/71	JCL	SEALANT NOTE	CHECKED

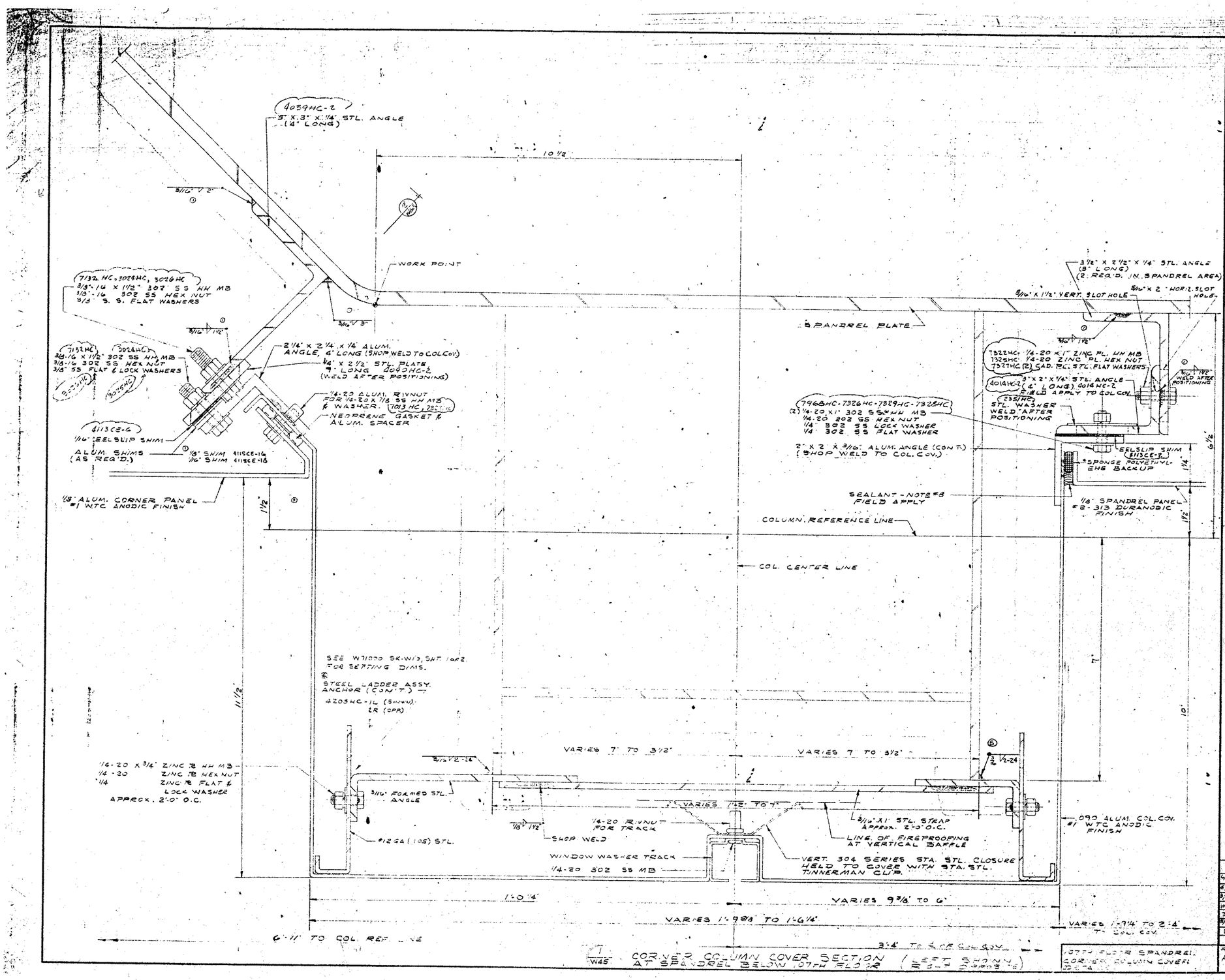
ALCOA CUPPLES PRODUCTS

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-29-71

DATE	PRINTS	TO	FOR
3-7-72	7 PTS	CPC-NYC	CONSTR.
4-7-72	2nd PTS	TISHMAN	RECORD
11/27/71	7 PRINTS	CPC NY	CONSTR.
10/6/71	3 PRINTS	TISHMAN	APPROVAL
5-25-71	2 PRINTS	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER
SHEET



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
10	4/19/72	JLL	SPANDREL AREAS 3	DATE
9	3/31/72	JLL	PANEL HEIGHTS	5-26-71
8	3/21/72	JLL	REVISED PER CC	CHECKED
7	3/15/72	JLL	REVISED PER CC & ARCH	

ALCOA · CUPPLES PRODUCTS

CURTAINWALL TOWERS A & B

NO	DATE	BY	DESCRIPTION
5	5-2-72	PASMIN	

APPROVED: PER TISHMAN TRANSMITTAL OF 10-26-71
5 4-28-72

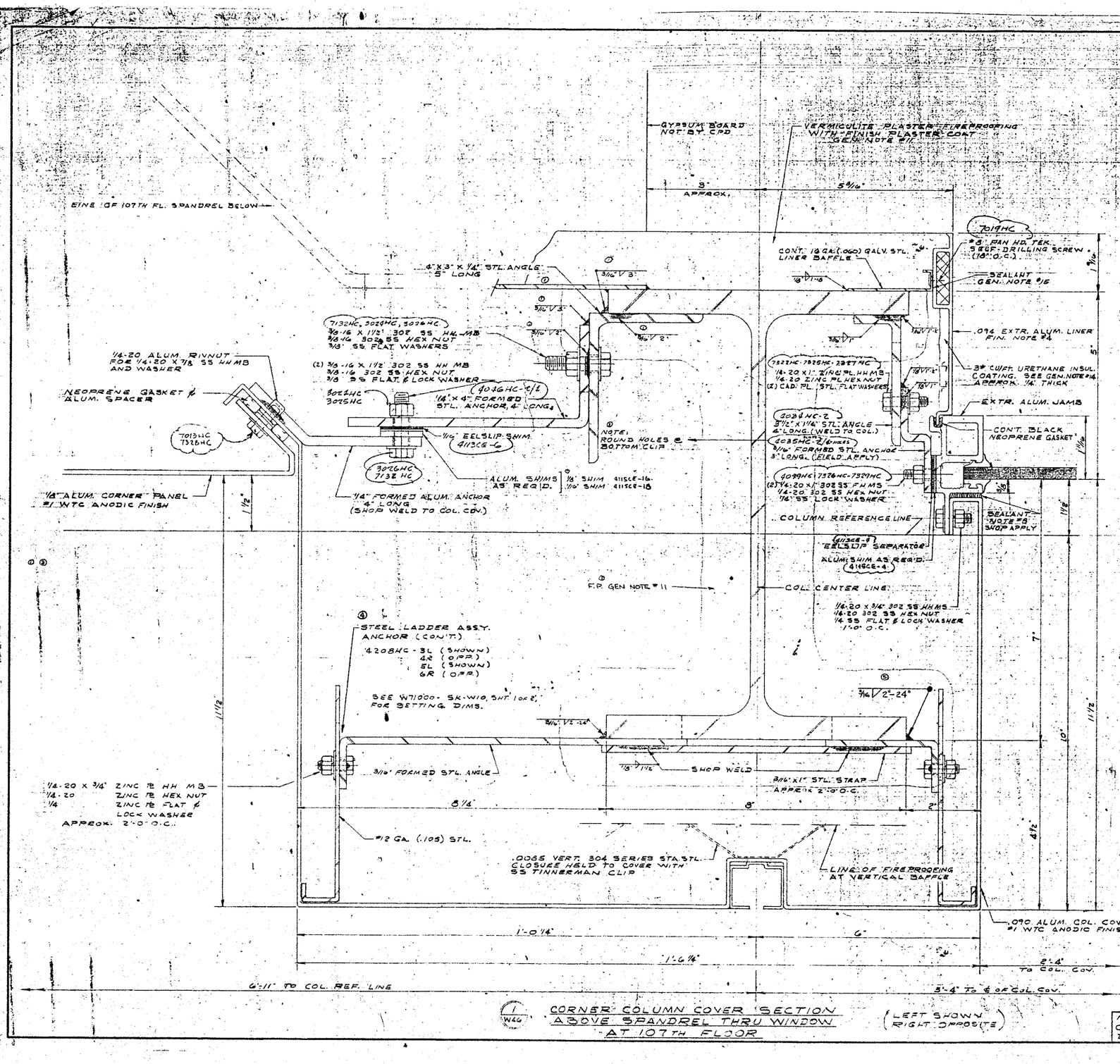
4/18/72	2 SEPIA PRINTS	TISHMAN	RECORD
4/5/72	7 PRINTS	CPD N.Y.	ERECTION
3/31/72	2 SEPIA PRINTS	TISHMAN	APPROVAL
10/7/71	7 PRINTS	CPDC NY	ERECTION
3/6/71	2 SEPIA PRINTS	TISHMAN	APPROVAL
8/26/71	2 SEPIA PRINTS	TISHMAN	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

JOB NUMBER AB 7100.0
SHEET W45 OF

107TH FLOOR SPANDREL CORNER COLUMN COVER DETAIL

W45 CORNER COLUMN COVER SECTION AT SPANDREL BELOW 107TH FLOOR (LEFT SHOWN, RIGHT OPPOSITE)



1 W46 CORNER COLUMN COVER SECTION ABOVE SPANDREL THRU WINDOW AT 107TH FLOOR

(LEFT SHOWN RIGHT OPPOSITE)

107TH FLOOR WINDOW CORNER COLUMN COVER DETAILS

JOB NAME: THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN:

ARCHITECT: MINORU YAMASAKI & ASSOC. EMERY ROTH & SONS

NO.	DATE	BY	DESCRIPTION
1	9/14/71	J.L.	ADDED 3" CURED URETHANE INSUL. COATING
2	10/4/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
3	10/19/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
4	11/4/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
5	11/8/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
6	11/15/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
7	11/22/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
8	12/6/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
9	12/13/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
10	12/20/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
11	12/27/71	J.L.	ADDED 3/16" FORMED STL. ANGLE
12	1/3/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
13	1/10/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
14	1/17/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
15	1/24/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
16	1/31/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
17	2/7/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
18	2/14/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
19	2/21/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
20	2/28/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
21	3/6/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
22	3/13/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
23	3/20/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
24	3/27/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
25	4/3/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
26	4/10/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
27	4/17/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
28	4/24/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
29	5/1/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
30	5/8/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
31	5/15/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
32	5/22/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
33	5/29/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
34	6/5/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
35	6/12/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
36	6/19/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
37	6/26/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
38	7/3/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
39	7/10/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
40	7/17/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
41	7/24/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
42	7/31/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
43	8/7/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
44	8/14/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
45	8/21/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
46	8/28/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
47	9/5/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
48	9/12/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
49	9/19/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
50	9/26/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
51	10/3/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
52	10/10/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
53	10/17/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
54	10/24/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
55	10/31/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
56	11/7/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
57	11/14/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
58	11/21/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
59	11/28/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
60	12/5/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
61	12/12/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
62	12/19/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
63	12/26/72	J.L.	ADDED 3/16" FORMED STL. ANGLE
64	1/2/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
65	1/9/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
66	1/16/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
67	1/23/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
68	1/30/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
69	2/6/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
70	2/13/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
71	2/20/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
72	2/27/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
73	3/6/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
74	3/13/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
75	3/20/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
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77	4/3/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
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79	4/17/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
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81	5/1/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
82	5/8/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
83	5/15/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
84	5/22/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
85	5/29/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
86	6/5/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
87	6/12/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
88	6/19/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
89	6/26/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
90	7/3/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
91	7/10/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
92	7/17/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
93	7/24/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
94	7/31/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
95	8/7/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
96	8/14/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
97	8/21/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
98	8/28/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
99	9/4/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
100	9/11/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
101	9/18/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
102	9/25/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
103	10/2/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
104	10/9/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
105	10/16/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
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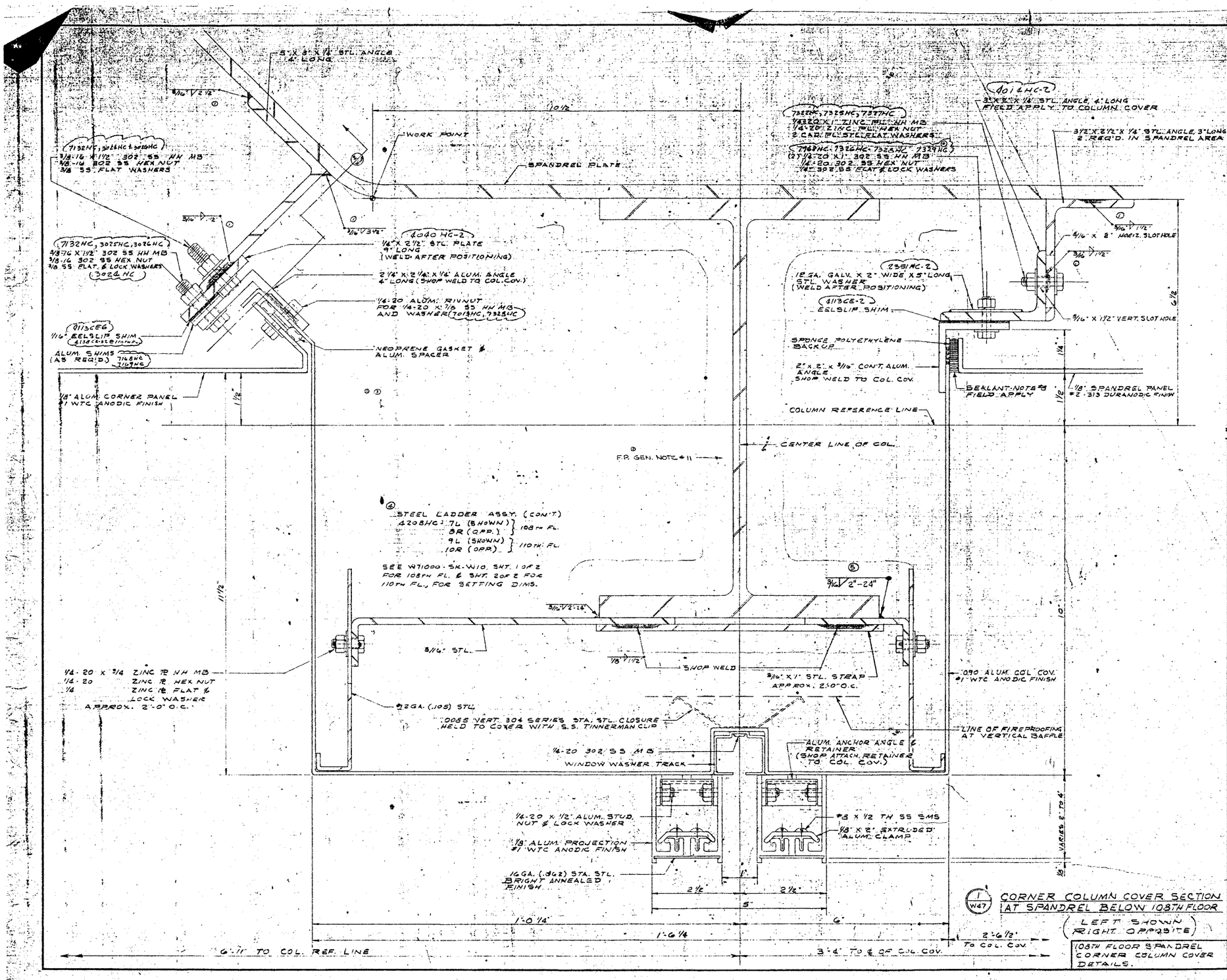
109	11/13/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
110	11/20/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
111	11/27/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
112	12/4/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
113	12/11/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
114	12/18/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
115	12/25/73	J.L.	ADDED 3/16" FORMED STL. ANGLE
116	1/1/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
117	1/8/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
118	1/15/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
119	1/22/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
120	1/29/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
121	2/5/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
122	2/12/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
123	2/19/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
124	2/26/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
125	3/5/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
126	3/12/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
127	3/19/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
128	3/26/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
129	4/2/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
130	4/9/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
131	4/16/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
132	4/23/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
133	4/30/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
134	5/7/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
135	5/14/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
136	5/21/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
137	5/28/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
138	6/4/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
139	6/11/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
140	6/18/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
141	6/25/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
142	7/2/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
143	7/9/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
144	7/16/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
145	7/23/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
146	7/30/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
147	8/6/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
148	8/13/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
149	8/20/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
150	8/27/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
151	9/3/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
152	9/10/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
153	9/17/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
154	9/24/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
155	10/1/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
156	10/8/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
157	10/15/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
158	10/22/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
159	10/29/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
160	11/5/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
161	11/12/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
162	11/19/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
163	11/26/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
164	12/3/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
165	12/10/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
166	12/17/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
167	12/24/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
168	12/31/74	J.L.	ADDED 3/16" FORMED STL. ANGLE
169	1/7/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
170	1/14/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
171	1/21/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
172	1/28/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
173	2/4/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
174	2/11/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
175	2/18/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
176	2/25/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
177	3/4/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
178	3/11/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
179	3/18/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
180	3/25/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
181	4/1/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
182	4/8/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
183	4/15/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
184	4/22/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
185	4/29/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
186	5/6/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
187	5/13/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
188	5/20/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
189	5/27/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
190	6/3/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
191	6/10/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
192	6/17/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
193	6/24/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
194	7/1/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
195	7/8/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
196	7/15/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
197	7/22/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
198	7/29/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
199	8/5/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
200	8/12/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
201	8/19/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
202	8/26/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
203	9/2/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
204	9/9/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
205	9/16/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
206	9/23/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
207	9/30/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
208	10/7/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
209	10/14/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
210	10/21/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
211	10/28/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
212	11/4/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
213	11/11/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
214	11/18/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
215	11/25/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
216	12/2/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
217	12/9/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
218	12/16/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
219	12/23/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
220	12/30/75	J.L.	ADDED 3/16" FORMED STL. ANGLE
221	1/6/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
222	1/13/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
223	1/20/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
224	1/27/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
225	2/3/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
226	2/10/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
227	2/17/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
228	2/24/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
229	3/2/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
230	3/9/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
231	3/16/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
232	3/23/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
233	3/30/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
234	4/6/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
235	4/13/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
236	4/20/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
237	4/27/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
238	5/4/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
239	5/11/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
240	5/18/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
241	5/25/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
242	6/1/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
243	6/8/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
244	6/15/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
245	6/22/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
246	6/29/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
247	7/6/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
248	7/13/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
249	7/20/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
250	7/27/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
251	8/3/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
252	8/10/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
253	8/17/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
254	8/24/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
255	8/31/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
256	9/7/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
257	9/14/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
258	9/21/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
259	9/28/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
260	10/5/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
261	10/12/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
262	10/19/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
263	10/26/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
264	11/2/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
265	11/9/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
266	11/16/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
267	11/23/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
268	11/30/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
269	12/7/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
270	12/14/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
271	12/21/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
272	12/28/76	J.L.	ADDED 3/16" FORMED STL. ANGLE
273	1/4/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
274	1/11/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
275	1/18/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
276	1/25/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
277	2/1/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
278	2/8/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
279	2/15/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
280	2/22/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
281	3/1/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
282	3/8/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
283	3/15/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
284	3/22/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
285	3/29/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
286	4/5/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
287	4/12/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
288	4/19/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
289	4/26/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
290	5/3/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
291	5/10/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
292	5/17/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
293	5/24/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
294	5/31/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
295	6/7/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
296	6/14/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
297	6/21/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
298	6/28/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
299	7/5/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
300	7/12/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
301	7/19/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
302	7/26/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
303	8/2/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
304	8/9/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
305	8/16/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
306	8/23/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
307	8/30/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
308	9/6/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
309	9/13/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
310	9/20/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
311	9/27/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
312	10/4/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
313	10/11/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
314	10/18/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
315	10/25/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
316	11/1/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
317	11/8/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
318	11/15/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
319	11/22/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
320	11/29/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
321	12/6/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
322	12/13/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
323	12/20/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
324	12/27/77	J.L.	ADDED 3/16" FORMED STL. ANGLE
325	1/3/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
326	1/10/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
327	1/17/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
328	1/24/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
329	1/31/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
330	2/7/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
331	2/14/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
332	2/21/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
333	2/28/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
334	3/7/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
335	3/14/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
336	3/21/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
337	3/28/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
338	4/4/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
339	4/11/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
340	4/18/78	J.L.	ADDED 3/16" FORMED STL. ANGLE
341	4/25/78	J.L.	ADDED 3/16" FORMED STL. ANG



1 W47 CORNER COLUMN COVER SECTION AT SPANDREL BELOW 108TH FLOOR
(LEFT SHOWN RIGHT OPPOSITE)

108TH FLOOR SPANDREL CORNER COLUMN COVER DETAILS.

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONT. REACT. W7C 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
⑦	10/24/71	JLL	STEEL LADDER ASSY. ADDED
⑥	9/1/71	JLL	STEEL LADDER ASSY. ADDED
⑤	5/1/71	HP	WELD ADDED & APP. DATE
④	3/9/71	JLL	STEEL LADDER ASSY. ADDED
③	2/4/71	JLL	STEEL LADDER ASSY. ADDED
②	1/4/71	JLL	STEEL LADDER ASSY. ADDED
①	12/7/70	HP	WELD ADDED & APP. DATE

DRAWN J.L. LINSIN
DATE 5-25-71
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-26-71
⑤ 4-25-72

DATE	PRINTS	FROM	FOR
4/13/72	10 PRINTS 1 SEPIA	TISHMAN	RECORD
4/6/72	7 PRINTS	CPD N.Y.	ERECTION
3/3/72	2 PRINTS 1 SEPIA	CPC N.Y.	APPROVAL
10/27/71	1 PRINTS	CPC N.Y.	ERECTION
5/24/71	2 PRINTS 1 SEPIA	CPC N.Y.	APPROVAL
5/14/71	2 PRINTS 1 SEPIA	CPC N.Y.	APPROVAL

PRINT RECORD

JOB NUMBER AB 71000
SHEET W47 OF

FILE 1-2-142

NOTE: SEE SHT. W49 FOR MORE COMPLETE DETAILS BEYOND THIS AREA.

LINE OF 108TH FL. SPANDREL BELOW

.090 ALUM. CLOS. #3 335 BLK. DURANODIC

SEALANT-NOTE #8

#8 X 1/2" (PAN FH) 302 SS SMS

7946HC
7326HC
7328HC
7329HC

COLUMN COVER FASTENER
1/4-20 X 1" HH 302 SS MS HEX NUT, FLAT & LOCK WASHER

1/16" EELSLIP SHIM (4113CE-3)

7322HC
7325HC
7327HC

1/4-20 X 1" ZINC PL. HH MB
1/4-20 ZINC PL HEX NUT
(2) 1/4 CADM. FLAT WASHERS

3"X2 1/2" X 1/4" STL. ANGLE, 4" LONG 3'-0" O.C. (WELD TO COLUMN) (4051HC-2)

2 1/2" X 1 1/2" X 1/4" STL. ANGLE 4" LONG (4052HC-2)

4134CE-16/48 OFF
.090 ALUM. COL. COV. #1 WTC ANODIC FINISH

3/16" V 1 1/2"

3/16" V 2"

1/4-20 ALUM. RIVNUT FOR 1/4-20 X 3/4 302 SS HH MB AND WASHER

4057HC-2 (SHIMS AS REQ'D) (CLIPS AS REQ'D) 4 EA.
1/4" X 4" STL. CLIP SHOP ASSEM. TO COVER

1/16" EELSLIP SHIM ALUM. SHIMS AS REQ'D.

NEOPRENE GASKET & ALUM. SPACER

7013HC
7328HC

1/8" ALUM. CORNER PANEL #1 WTC ANODIC FINISH

3/16" V 1"

4050HC-2
1/4" X 3" STL. STRAP (FIELD WELD TO COL.)

7322HC, 7325HC, 7327HC
1/4-20 X 1" HH ZINC PL. MB, HEX NUT AND 2 FLAT WASHERS.

1/4-20 X 1 1/4" FH SS MS
1/4-20 SS HEX LOCK NUT
1/4" SS FLAT WASHER
} STL. CLIP TO COL. COV.

1/4-20 X 1" 302 SS HH MB
1/4-20 302 SS HEX NUT
(2) 1/4" SS FLAT WASHERS

COLUMN REF. LINE

1/4" X 3" STL. STRAP (FIELD WELD TO COL.) 4050HC-2

1/4-20 X 1" HH ZINC PL. MB, HEX NUT & 2 FLAT WASHERS 7322HC, 7325HC, 7327HC

7946HC, 7326HC-2, 7328HC
1/4-20 X 1" 302 SS HH MB
1/4-20 302 SS HEX LOCK NUT
1/4-302 SS FLAT WASHER

1/16" EELSLIP SHIM

SEALANT-NOTE #8 FIELD APPLY

7013HC
#8 X 1/2" TH SS SMS APPROX. 12" O.C. TAKE HOLE TO BE FIELD DRILLED INTO FRONT COL. COV. FLANGE.

CENTER LINE OF COLUMN

FR GEN NOTE # 11

1/4 X 2" STL. BAR APPROX. 3'-0" O.C. (SHOP ATTACH TO COVER)

4108HC

1/4" X 3" STL. ANCHOR BAR

SIDE OF COL. COV.

1/4" X 2" STL. BAR

3/16" V 1"

1/4-20 X 1 1/4" 302 SS FH MB
1/4-20 302 SS HEX LOCK NUT
(2 PER STRAP)

4209HC-16 (SHIMS) 2R (OPP.)

WINDOW WASHER TRACK

FACE OF COL.

#8 X 3/4 FH SS 4057HC THIOKOL IN FIELD

ALUM. ANCHOR ANGLE AND RETAINER. (SHOP ATTACH RETAINER TO COLUMN COVER)

.090 ALUM. COL. COV. #1 WTC ANODIC FINISH

THIS STRAP ANCHOR ARRANGEMENT, AS SHOWN DOTTED, OCCURS AT DET. BETWEEN TOP OF COPING AND LOWER COL. COV. JOINT.

1/8" ALUM. PROJECTION #1 WTC ANODIC FINISH

#8 X 1/2" TH SS SMS

1/8" X 2" EXTRUDED ALUM. CLAMP

16 GA. (.062) STAINLESS STEEL - BRIGHT ANNEALED FINISH

1/8 X 2" STL. BAR COLUMN COVER ANCHOR

2 / W48 ANCHOR SUPPORT FOR CORNER COLUMN COVER
LOCATE AT TOP, BOTTOM AND THE 2 CENTER STRAPS. (TOTAL 4 IN COLUMN COVER LENGTH)

1 / W48 CORNER COLUMN COVER SECTION ABOVE COPING AT 108TH FLOOR (2 WT. COL. SHOWN) (LEFT SHOWN RIGHT OPPOSITE)

108TH. FLOOR CORNER COLUMN COVER DETAILS

2'-1" TO COL. REF. LINE

3'-4" TO ℄ OF COL. COV.

2'-6 1/2" TO COL. COV.

1'-0 1/4"

1'-6 1/4"

2 1/2"

5"

6"

2 1/4"

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT W.T.C. 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION	DRAWN J.L. LINSIN
(1)	1/24/72	JLL	DETS. 2 & 3 ADDED (ANCHOR SUPPLY)	DATE 5-25-71
2	2/4/72	HP	Paint Notes	CHECKED
(3)	2/24/72	JLL	Revised Section	

ALCOA CUPPLES PRODUCTS

CURTAINWALL TOWERS A & B

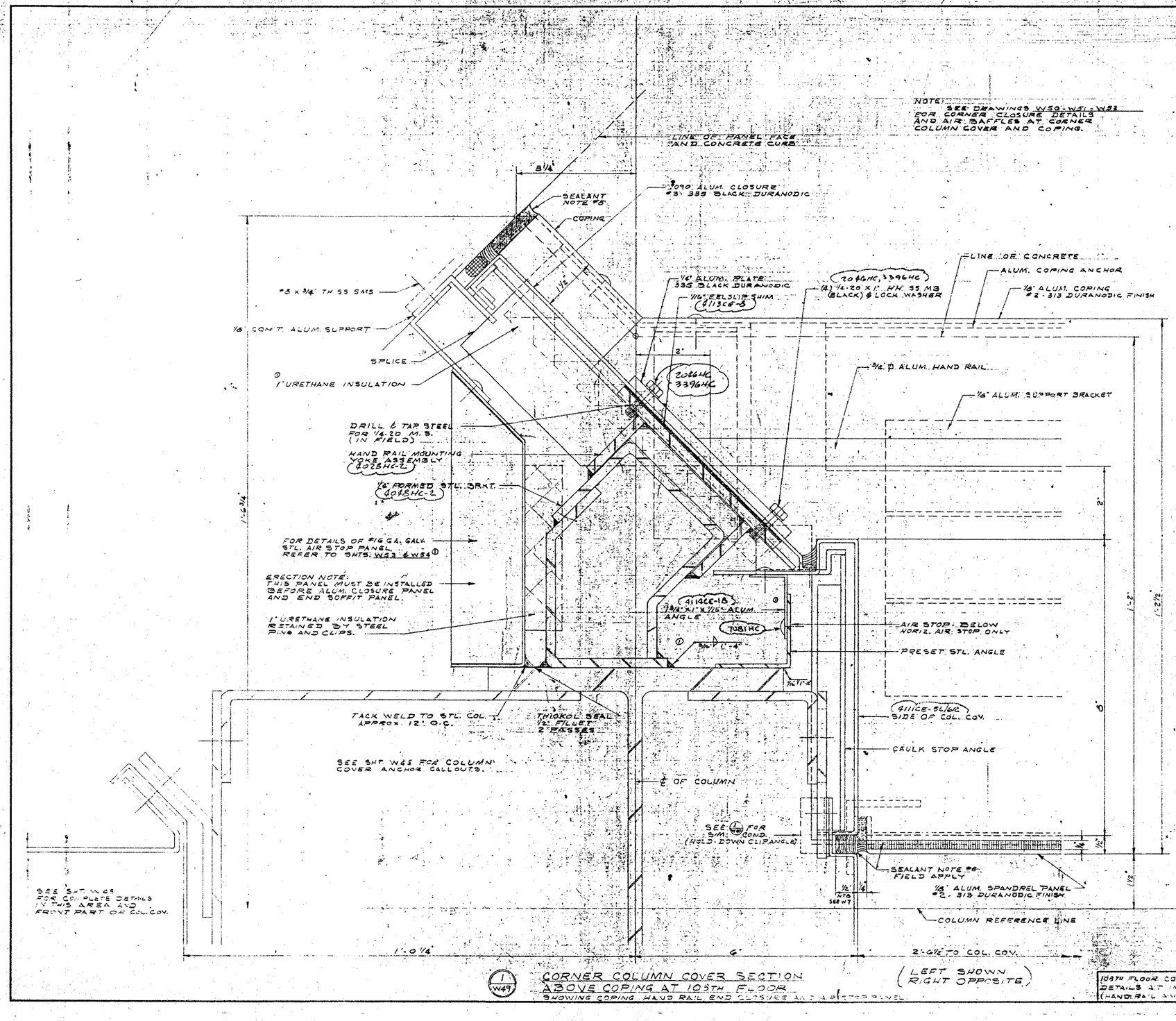
(4) 1/24/72 JLL DETS. 2 & 3 ADDED (ANCHOR SUPPLY)
(5) 2/24/72 HP APP. DATE

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-20-71
(3) 1-25-72

DATE	PRINTS	TO	FOR
4/19/72	12 PRINTS	TISHMAN	RECORD
6/8/72	7 PRINTS	CPD N.Y.	ERECTION
8/31/72	5 PRINTS	[illegible]	APPROVAL
10/27/72	7 PRINTS	CPC NY	ERECTION
9/16/71	5 PRINTS	[illegible]	APPROVAL
8/25/71	5 PRINTS	[illegible]	APPROVAL

PRINT RECORD

JOB NUMBER 43 7100
SHEET W45 OF



1/W49 CORNER COLUMN COVER SECTION ABOVE COPING AT 103TH FLOOR
SHOWING COPING HAND RAIL END CLOSURE AND AIR STOP PANEL

(LEFT SHOWN RIGHT OPPOSITE)

103TH FLOOR CORNER COL. COV. DETAILS AT INTERIOR (HAND RAIL AND END CLOSURE)

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4-0.30
BULLETIN-

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION	DRWG
12	10/26/71	JLL	GEN. REV.	DATE 5-25-71
11	9/29/71	HG	PER FIELD	
8	7/21/71	JLL	REV'D SUPPORT BRACKET	CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL PANELS A & B

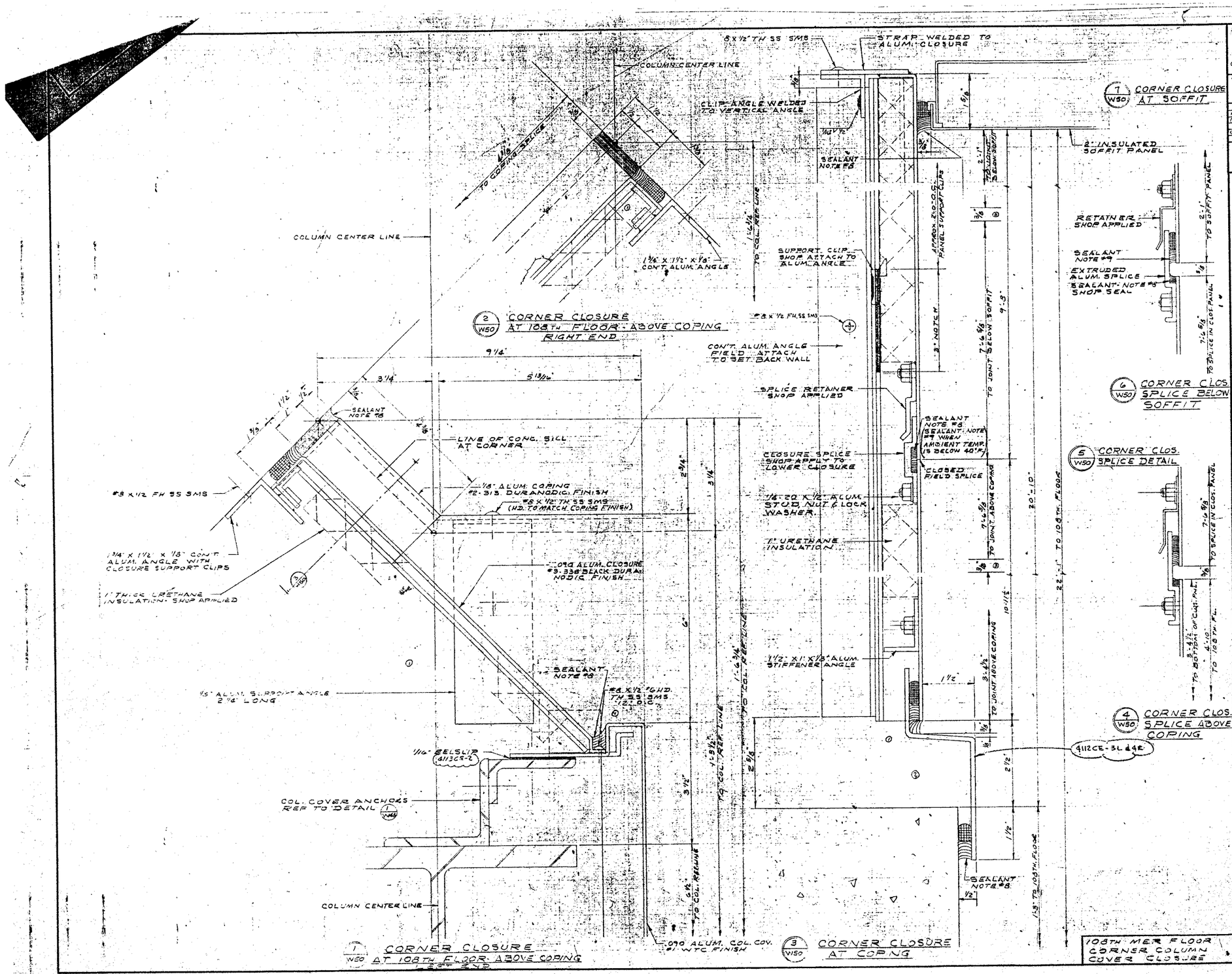
APPROVED! REF TISHMAN TRANSMITTAL OF 10-26-71

DATE	PRINTS	TO	FOR
4-7-72	7 PRTS	CPD-WTC	CORRECTION
3-7-72	12 SEPIAS	TISHMAN	SEALANT
10/6/71	7 PRINTS	CPC NY	CORRECTION
9/16/71	3 SEPIAS	TISHMAN	APPROVAL
8/26/71	3 SEPIAS	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER AB 71200

SHEET W49



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4.30.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
(1)	10/71	JLL	GENERAL
2	12/71	MP	PART MARKS
(3)	1/72	JLL	ADD 7T-8 TYPE

DRAWN: J. L. LINSIN
DATE: 12-2-71
CHECKED:

ALCOA CUPPLES PRODUCTS
CURTAINWALL TOWERS A & B

APPROVED: REF. TISHMAN
TRANSMITTAL OF 10-29-71

DATE	PRINTS	TO	FOR
4-7-72	7 PTS	CPD-WTC	ERECTION
4-7-72	10 PTS & 1 REPRO	TISHMAN	RECORD
10/27/71	7 PRINTS	CPC NY	ERECTION
5/14/71	1 REPRO	TISHMAN	APPROVAL
6/22/71	1 REPRO	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER AB 7100
SHEET W50 OF

9 1/4"
3 1/4"
3 1/8"
4 1/8"
5 13/16"
LINE OF CONCRETE PARAPET
1/8" ALUM. COPING #2-313 DURANODIC FINISH
.125 ALUM. AIR BAFFLE (BELOW COPING)
SEE SHT. W50 FOR CLOSURE PANEL DETAILS
4111CE-SL & GR
BACK OF INTERIOR COLUMN COVER
1/8" ALUM. SUPPORT ANGLE
ALUM. AIR BAFFLE
COLUMN COVER ANCHOR SEE SHT. W48
70B1HC
#12 GA. STL. BAFFLE (CONT.) (WELD TO COLUMN)
.090 ALUM. COL. COV. #1 WTC FINISH
℄ COL.
HOLD-DOWN CLIP ANGLE
NOTCH COL. COV. FLANGE TO HOLD DOWN COPING
COL. REF. LINE
1'-6 3/4"
3 1/2"
6 1/2"
1 1/2"
2 3/4"

1/W51 AIR BAFFLE AT COPING AT CORNER COLUMN COVER
AT 108TH FLOOR (LEFT END SHOWN)

FIREPROOFING
1/W52
6 X 1/2 TH. SS 5MS
.062 ALUM. END CLOSURE
5 1/2"
6 3/4"
SOFFIT

3/W51 AIR BAFFLE AT SOFFIT
BACK OF INTERIOR COL. COV.
.062 AIR BAFFLE ANGLE
#12 GA. STL. BAFFLE ANGLE
1/W51
1/8" ALUM. AIR BAFFLE WELD TO COPING
1/8" ALUM. COPING
20'-0"
BOTTOM OF SLAB
TOP OF CONC. PARAPET
6 1/2" TO COL. REF. LINE
9"
1/2"

2/W51 AIR BAFFLE AT COPING

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	10/11/71	J.L.	GENERAL
2	11/4/71	HP	PART SHEET
3	12/1/71	J.L.	ADD 28" ECCPR. WALL

DRAWN J.L. LINSIN
DATE 6-22-71
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAINWALL TOWERS A & B

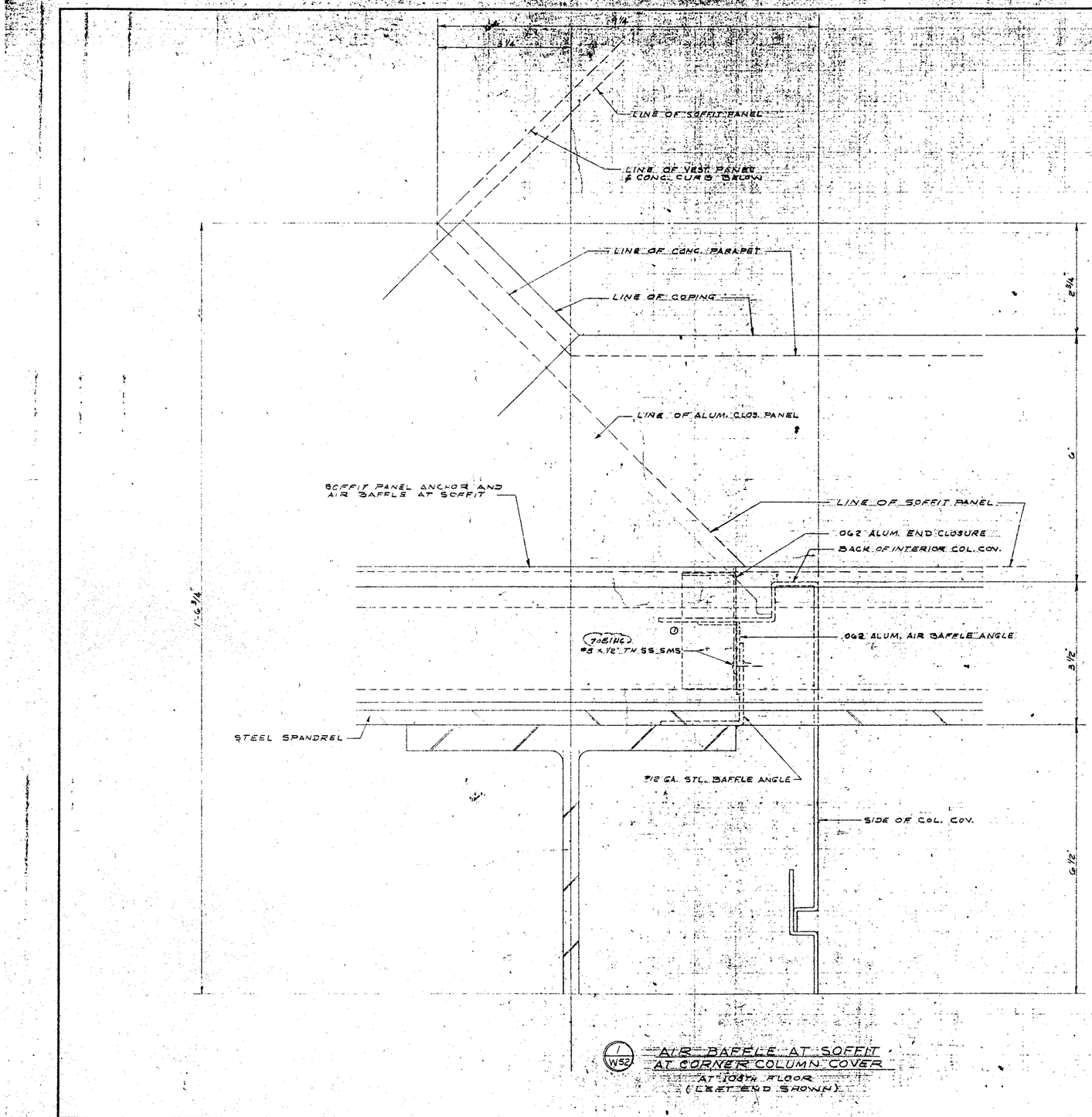
APPROVED: REE TISHMAN
TRANSMITTAL OP 10-26-71

DATE	PRINTS	TO	FOR
4-7-72	7-PTS	C.P.D.-N.Y.C.	SEE C...
4-7-72	10 PTS. 1 REPRO	TISHMAN	REC'D ...
10/21/71	7 PRINTS	CPC NY	EXECUTION
9/8/71	11 PRINTS 1 REPRO	CPC & TISHMAN	APPROVAL
6/22/71	10 PRINTS 1 REPRO	CPC & TISHMAN	APPROVAL

PRINT RECORD

108TH MER FLOOR CORNER COLUMN COVER AIR BAFFLE

JOB NUMBER AB 7/000
SHEET W51 OF



1/W52 AIR BAFFLE AT SOFFIT AT CORNER COLUMN COVER
AT 104TH FLOOR
(CLOSET END SHOWN)

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
11	10-26-71	JLL	GENERAL	DATE 6-22-71
				CHECKED

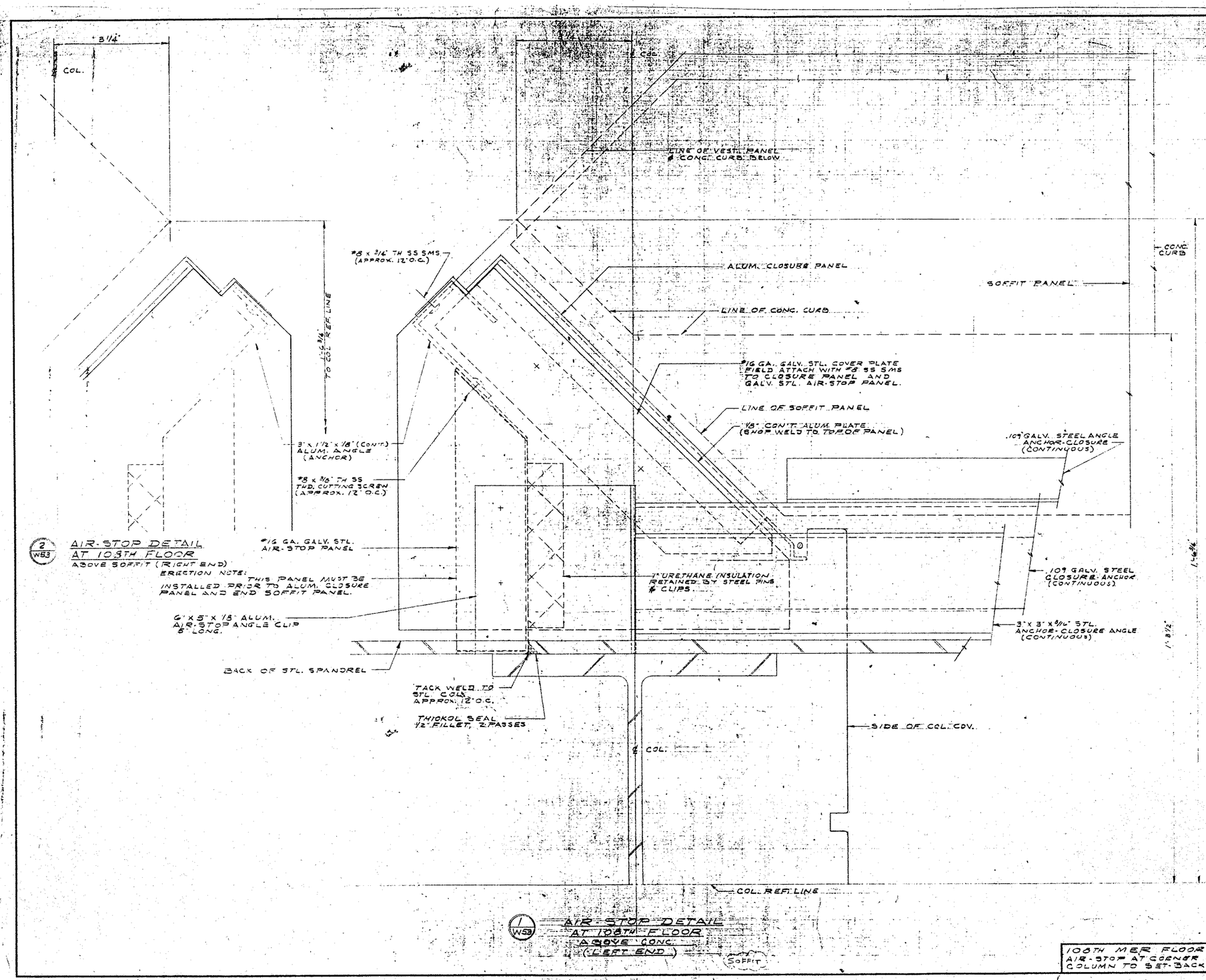
ALCOA CUPPLES PRODUCTS | CURTAIN WALL TOWERS A & B

APPROVED: REC. TISHMAN TRANSMITTAL OF 10-26-71

4-7-72	7-PTS	CPD WTC	ERECTN'G
4-7-72	8 PTS & SEPTS	TISHMAN	RECD'D
10/27/71	7 PRINTS	CPE NY	EREC
2/16/71	[illegible]	[illegible]	APPROVAL
6/23/71	[illegible]	[illegible]	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

108TH MER FLOOR CORNER COLUMN COVER AIR BAFFLE	JOB NUMBER AIB 7100b
	SHEET W52 OF



2 / W53 AIR-STOP DETAIL AT 108TH FLOOR ABOVE SOFFIT (RIGHT END)

1 / W53 AIR-STOP DETAIL AT 108TH FLOOR ABOVE CONC. (LEFT END)

SOFFIT

ERECTION NOTE:

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
1	8/24/72	A.L.	SEE 72-22	DATE
				6-22-71
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAINWALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-26-71

DATE	PRINTS	TO	FOR
4-7-72	7 PTS	CPD-WTC	W.C.O.
4-7-72	10 SEPIAS	TISHMAN	RECORD
10/27/71	7 PRINTS	CPC NY	REJECTED
5/4/71	3 PRINTS		APPROVAL
4/22/71	3 PRINTS 2 SEPIAS		APPR.

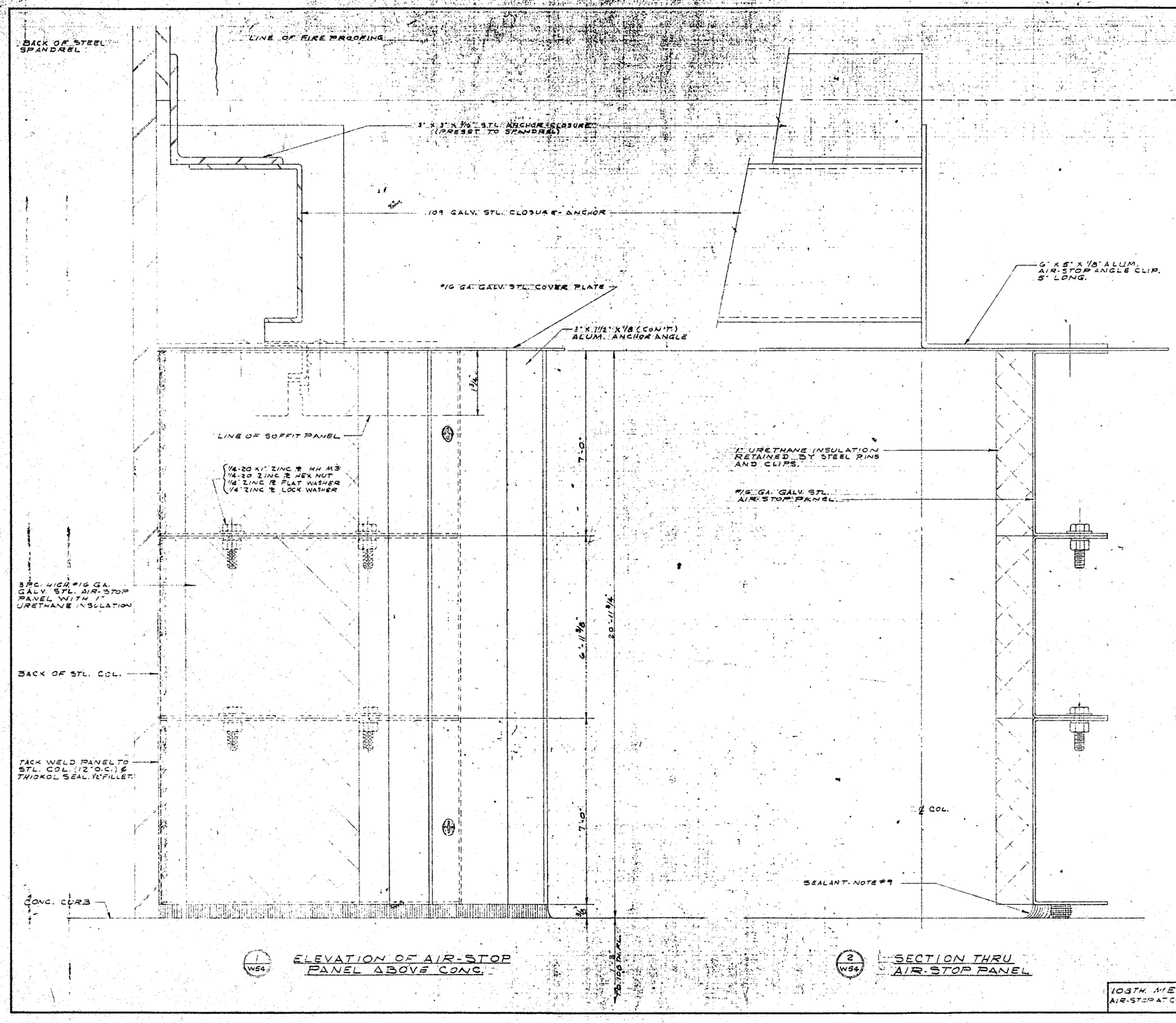
PRINT RECORD

108TH MER FLOOR AIR-STOP AT CORNER COLUMN TO SET-BACK

JOB NUMBER AB 71000

SHEET W53

FILE NO. 42



1 / W54 ELEVATION OF AIR-STOP PANEL ABOVE CONC.

2 / W54 SECTION THRU AIR-STOP PANEL

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC-100.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	W.L. LINSIN
				DATE 6-22-71
				CHECKED

ALCOA CURTAIN WALL PRODUCTS — TOWERS A & B

APPROVED/REF. TISHMAN TRANSMITTAL OF 7/19/71

DATE	PRINTS	TO	FOR
6-7-72	7-PTS	CPD-NYC	ERECT'N
6-7-72	15 PTS	TISHMAN	RELOC'D
10/27/71	1 PRINT	CPC N.Y.	ERECT'N
9/23/71	1 SEPIA	CPC N.Y.	APPROVED

PRINT RECORD

103TH. FLR. AIR-STOP AT CORNER COL. TO SETBACK

JOB NUMBER AB 71000 — SHEET W54 OF ____

SEE SHT. W48 FOR FURTHER DETAILS OF THIS AREA

SEE SHT. W46 FOR FURTHER DETAILS OF THIS AREA

CORNER PANEL #1 WTC ANODIC FINISH

CORNER COL. COV.

COL. (1/2 WF 40)

COL. REF. LINE

5" x 5" x 5/16" STL. ANGLE

INTERRUPT SEALANT ON SIDE ONLY TO PROVIDE WEEPS.

LOOSE VERTICAL 304 SERIES STA. STL. CLOSURE HELD TO COVER WITH S.S. TINNERMAN CUP.

1'-0 1/4"

SEE SHT. W48 FOR DETAILS OF PROJECTIONS AND RIB

5'-11 1/2" TO ℄ OF COL. COV. JOINT

10 1/4" TO 108TH FIN. FL.

5/8" SPLICE

5'-11 1/4" TO 108TH FIN. FL.

5/8 x 1/2" TH 55 SMS

5" x 5" x 5/8" STL. ANGLE (PRESET)

F/32 GA. STL. PLATE (NOT PRESET)

TIGHT AGAINST COL. COV.

SEE SHT. W46 FOR FURTHER DETAILS OF THIS AREA.

3 W55 SECTION THRU SIDE OF COLUMN COVER

1 W55 PLAN AT 108TH FLOOR CORNER COL. COV. AT COLLAR WHICH TERMINATES PRESSURE EQUALIZATION

W. FLG.

FLANGE OF COL.

SIDE OF COL. COV.

(2) 1/4 x 1"

108 FORMED STL. BRKT (WELD TO COL.)

411/4CE-4 1"x1"x1/16" ALUM. ANGLE (CONT.) (SET IN MASTIC)

(2) #8 x 1/2" TH 55 SMS (TAKE HOLE BY ERECTOR)

SEALANT NOTE #9

5'-11 1/4" TO 108TH FL.

1/4-20 x 1 1/2" ALUM. STUD WITH HEX NUT & LOCK WASHER

EXTENSION: SHOP SEALED TO LOWER COL. COV.

4'-10" TO 104TH FL.

2 W55 SECTION THRU SIDE OF COLUMN COVER

LINE OF FIRE PROOFING AT VERTICAL BAFFLE

FRONT OF W. COL.

105 FORMED STL. BRKT (CONT.) (WELD TO COL.)

5/16" x 1" ALUM. CLOS. PLATE

2 1/4" x 1" x 1/16" ALUM. ANGLE (CONT.)

20'-5 3/8" TO 110TH FL.

FRONT OF COL. COV.

(2) #8 x 1/2" TH 302 SS SMS TAKE HOLE BY ERECTOR

5'-11 1/4" TO 108TH FL.

4'-10" TO 104TH FL.

VERT. BAFFLE NOTCHED FOR SPLICE C

4 W55 SECTION THRU FRONT OF COLUMN COVER

108TH FLOOR CORNER COL. COV. SHOWING PRESSURE EQUALIZATION TERMINATION

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN:

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	U. C. LINSIN
1	10/11/71		GENERAL	DATE
2	11/1/71		PLAN NUMBERS	8-25-71
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

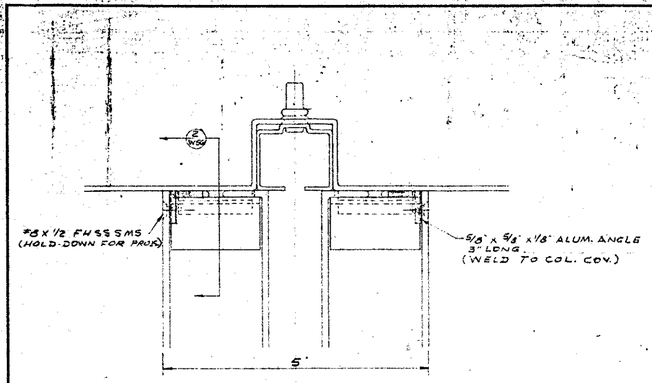
APPROVED: RES. TISHMAN
TRANSMITTAL OF 10-26-71

DATE	PRINTS	TO	FOR
4-7-72	7 PTS	GPD-WTC	CORRECTION
4-7-72	10 PTS	TISHMAN	RECORD
10/11/71	7 PRINTS	CPD, N.Y.	CORRECTION
9/1/71	5 PRINTS		APPROVAL
8/26/71	5 PRINTS		APPROVAL

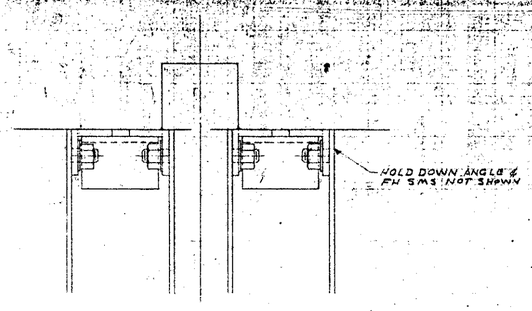
PRINT RECORD

JOB NUMBER AB 71003

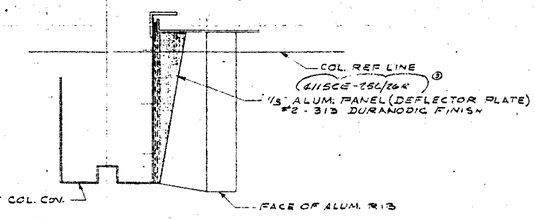
SHEET W58 OF



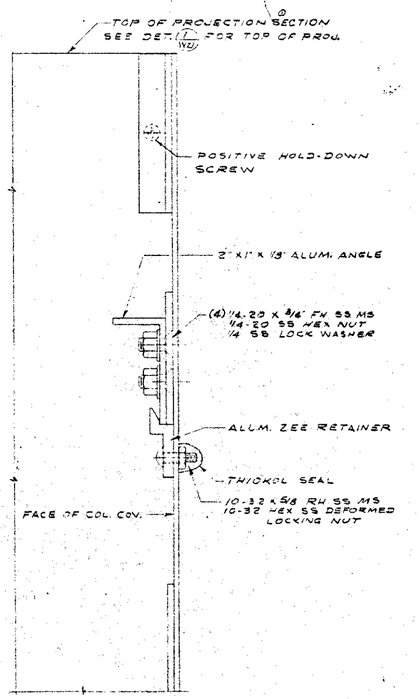
1 W56 COLUMN COVER PROJECTION ANCHORAGE
FULL PROJ. DEPTH



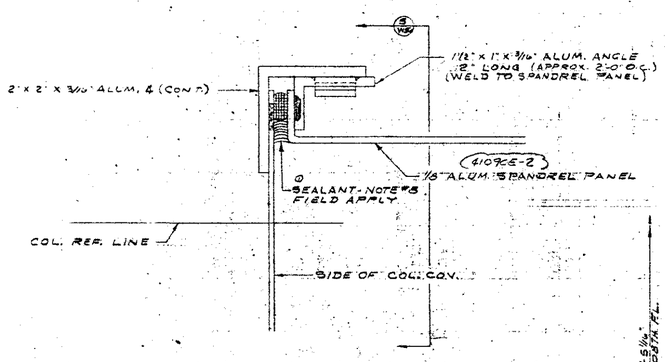
3 W56 COLUMN COVER PROJECTION ANCHORAGE
VARIABLE PROJ. DEPTH



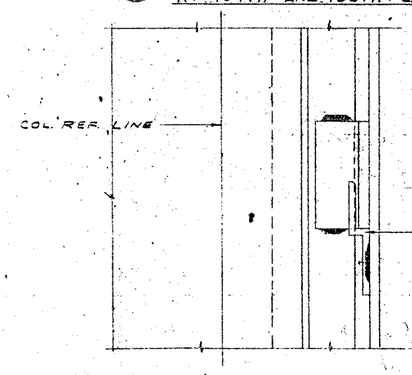
6 W56 PLAN OF
DEFLECTOR PLATE



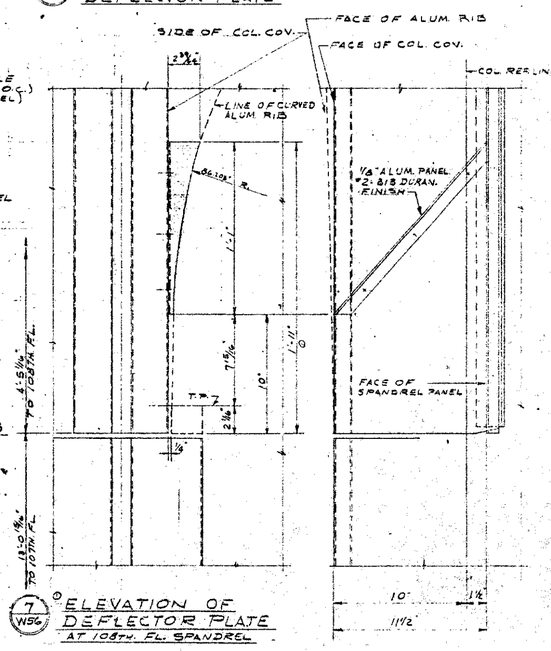
2 W56 SECTION THRU PROJECTION ANCHOR



4 W56 SPANDREL PANEL ANCHORAGE
AT 107TH AND 108TH FL. SPANDRELS



5 W56 SECTION THRU SPANDREL
PANEL ANCHOR



7 W56 ELEVATION OF
DEFLECTOR PLATE
AT 108TH. FL. SPANDREL

8 W56 SECTIONAL ELEVATION
AT DEFLECTOR PLATE

DETAILS NO 6, 7 & 8; SCALE = 3" = 1'-0"

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.20
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
(1)	9/14/71	FLS	ADD NOTE #5 TO DWG. ADD SEALANT AT SPANDREL
2	9/21/71	FLS	PRINT ITEMS 1, 2
(3)	10/7/71	FLS	ADD DIMENSIONS & DET. OF DEFLECTOR PLATE

DESIGN: U. L. LINSIN
DATE: 8-25-71
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

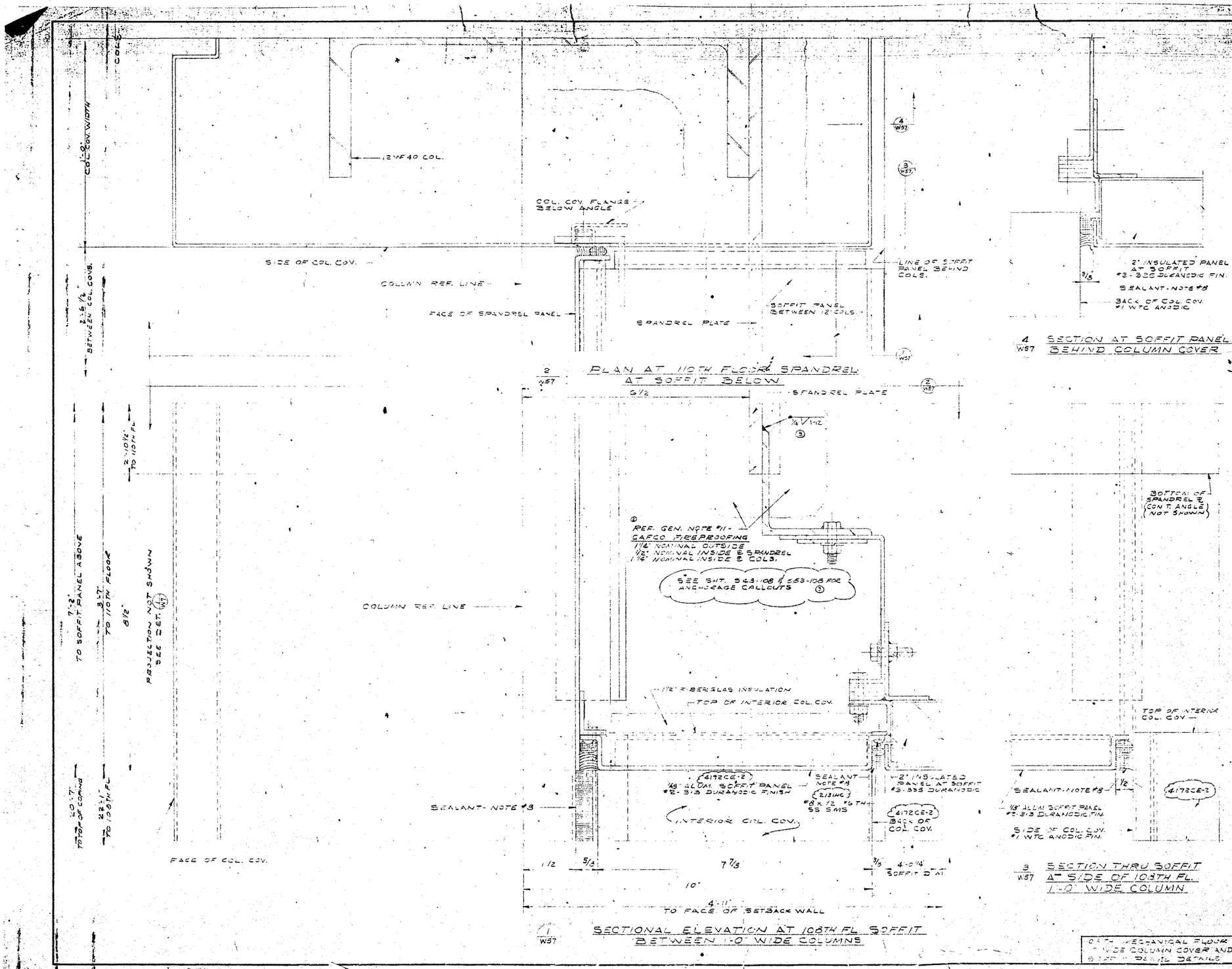
APPROVED: SEE TISHMAN TRANSMITTAL OF 10-2-71

DATE	PRINTS	TO	FOR
6-7-72	7 PTS	CPD-WTC	CORRECTION
6-7-72	12 PTS & 1 SEPIA	TISHMAN	CORRECTION
10/27/71	7 PRINTS	CPD WTC	CORRECTION
9/14/71	1 SEPIA	TISHMAN	APPROVAL
8/25/71	1 SEPIA	TISHMAN	APPROVAL

PRINT RECORD

COLUMN COVER PROJECTION AND SPANDREL PANEL ANCHORAGE AND DEFLECTOR PLATE DETAILS

JOB NUMBER AB 71000
SHEET W56 OF ____



JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	10/6/71	J.C.L.	PLOT PLANS
2	11/15/71	J.C.L.	ELEVATIONS
3	1/3/72	J.C.L.	WELD & BOLT
			ADD DATE

DRAWN: J. C. LINSIN
DATE: 6-22-71
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

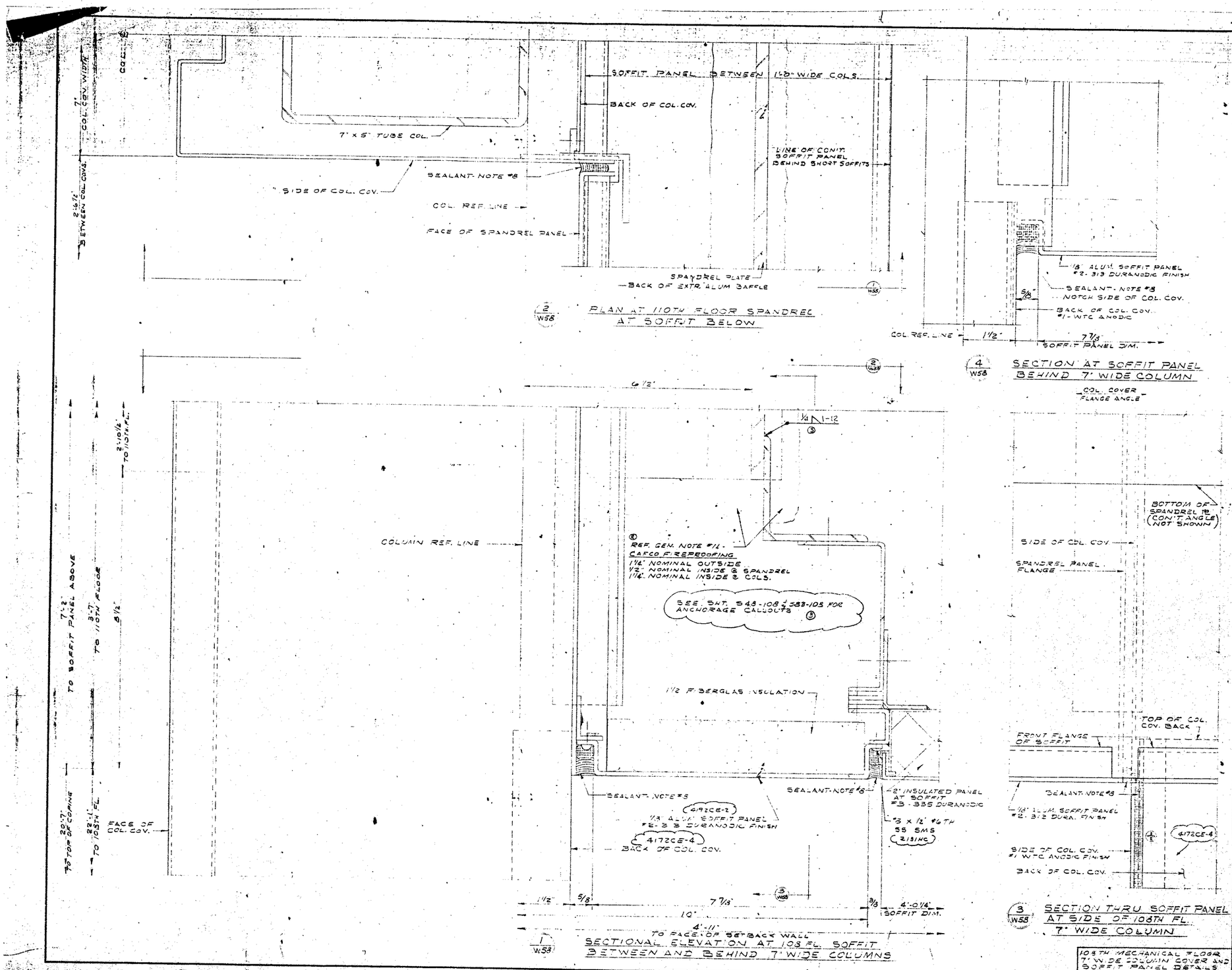
APPROVED: REF. T/SHAAN TRANSMITTAL OF 7/19/71 3 1-26-72

DATE	PRINTS	TO	FOR
6/8/72	4 PRINTS	T/SHAAN	RECORD
4/5/72	2 PRINTS	CPG NY	ERECTION
3/31/72	2 PRINTS	T/SHAAN	APPROVAL
10/27/71	2 PRINTS	CPG NY	ERECTION
10/22/71	2 PRINTS	T/SHAAN	APPROVAL

PRINT RECORD

JOB NUMBER 343-108 SHEET W57

CITY MECHANICAL FLOOR 1'-WIDE COLUMN COVER AND SOFFIT DETAIL DETAILS



(2/W58) PLAN AT 110TH FLOOR SPANDREL AT SOFFIT BELOW

(4/W58) SECTION AT SOFFIT PANEL BEHIND 7' WIDE COLUMN

COL. COVER FLANGE ANGLE

(1/W58) SECTIONAL ELEVATION AT 108 FL. SOFFIT BETWEEN AND BEHIND 7' WIDE COLUMNS

(3/W58) SECTION THRU SOFFIT PANEL AT SIDE OF 108TH FL. 7' WIDE COLUMN

APPROVED: REF TISHMAN TRANSMITTAL OF 7/19/71
3 4-25-72

108TH MECHANICAL FLOOR 7' WIDE COLUMN COVER AND SOFFIT PANEL DETAILS

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN-

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	7an.	J.L.L.	PART MARKS
2	2/24	J.L.L.	PART MARKS
3	3/15/72	W.M.	WELD & BOLTED PLATE DATA

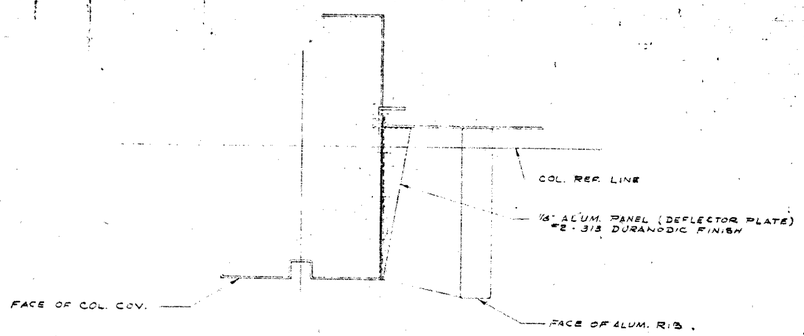
DRAWN J.L. LINSEY
DATE 6-22-71
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

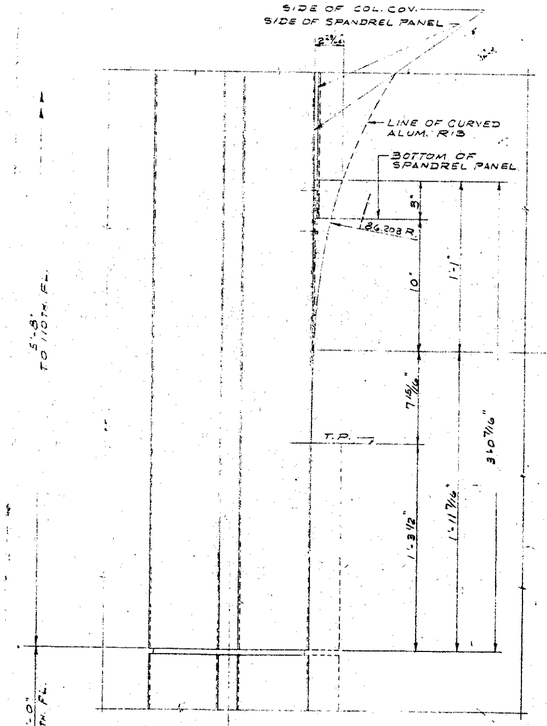
DATE	BY	TISHMAN - RECEIVED
4/8/72	3 Issued for Approval	
4/6/72	1 Prints	C.P.C. N.Y. ERECTION
3/31/72	2 Issued for Approval	APPROVAL
10/21/71	1 Prints	C.P.C. N.Y. ERECTION
6/23/71	0 Issued for Approval	APPROVAL

DATE PRINTS TO FOR
PRINT RECORD

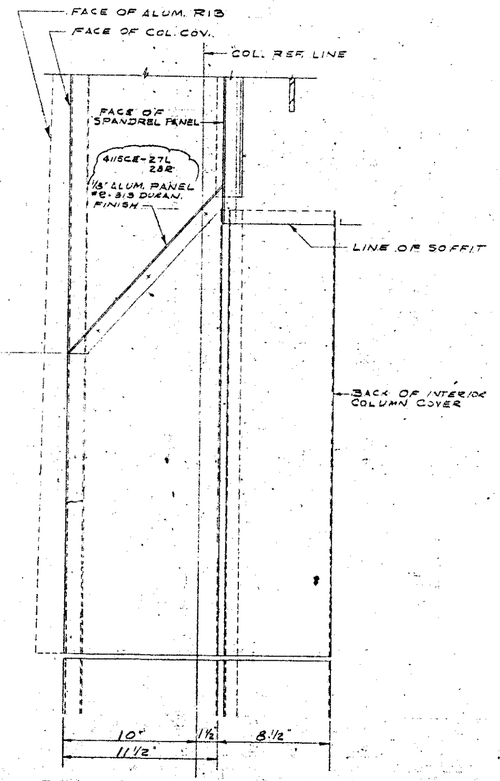
JOB NUMBER AB 71000
SHEET W58 OF



1/W59 PLAN OF DEFLECTOR PLATE



2/W59 ELEVATION OF DEFLECTOR PLATE AT 110TH FLOOR SPANDREL



3/W59 SECTIONAL ELEVATION AT DEFLECTOR PLATE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC. 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LINSIN
1	11/71	JLL	Revised Location & Deep Spandrel	DATE
2	12/71	JLL		5-22-71
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-29-71

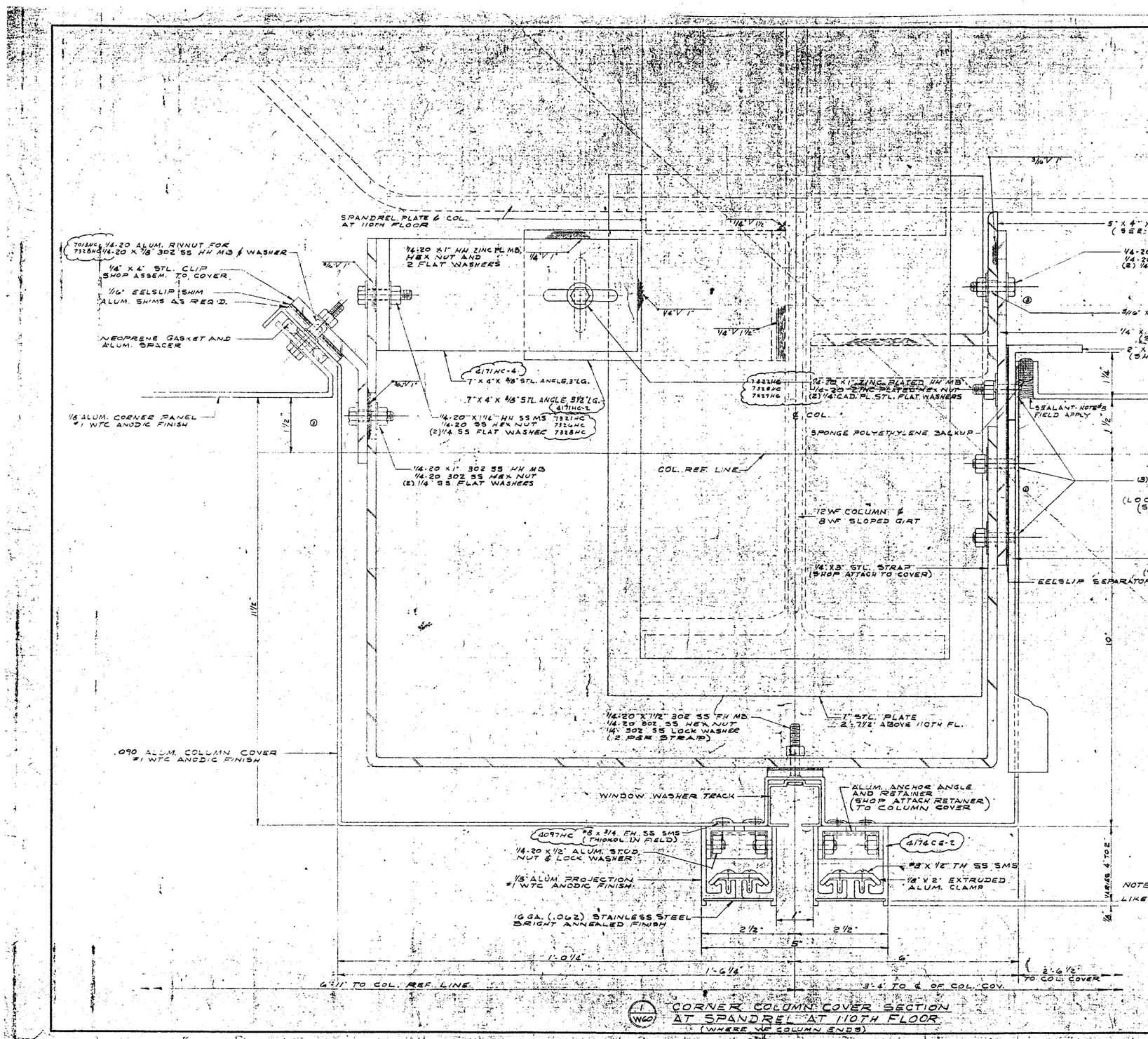
DATE	PRINTS	TO	FOR
4-7-72	7 PTS	CPD-WTC	ERECTION
4-7-72	10 PTS	TISHMAN	RECORD
7/6/71	2 REPRO	[illegible]	APPROVAL
6/22/71	2 REPRO	[illegible]	APPROVAL

PRINT RECORD

DEFLECTOR PLATE DETAILS

JOB NUMBER AB 7035

SHEET N51 OF



1/W60 CORNER COLUMN COVER SECTION AT SPANDREL AT 110TH FLOOR (WHERE WF COLUMN ENDS)

110TH FLOOR SPANDREL CORNER COLUMN COVER DETAILS

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN -

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
C	10/5/71	JLL	ANCHORAGE REV.
B		JLL	GENERAL REVISIONS
A	11/3/71	JLL	REVISED PER ARCH. REV. AUGMENT

DRAWN J. L. LINSIN
DATE 6-22-71
CHECKED

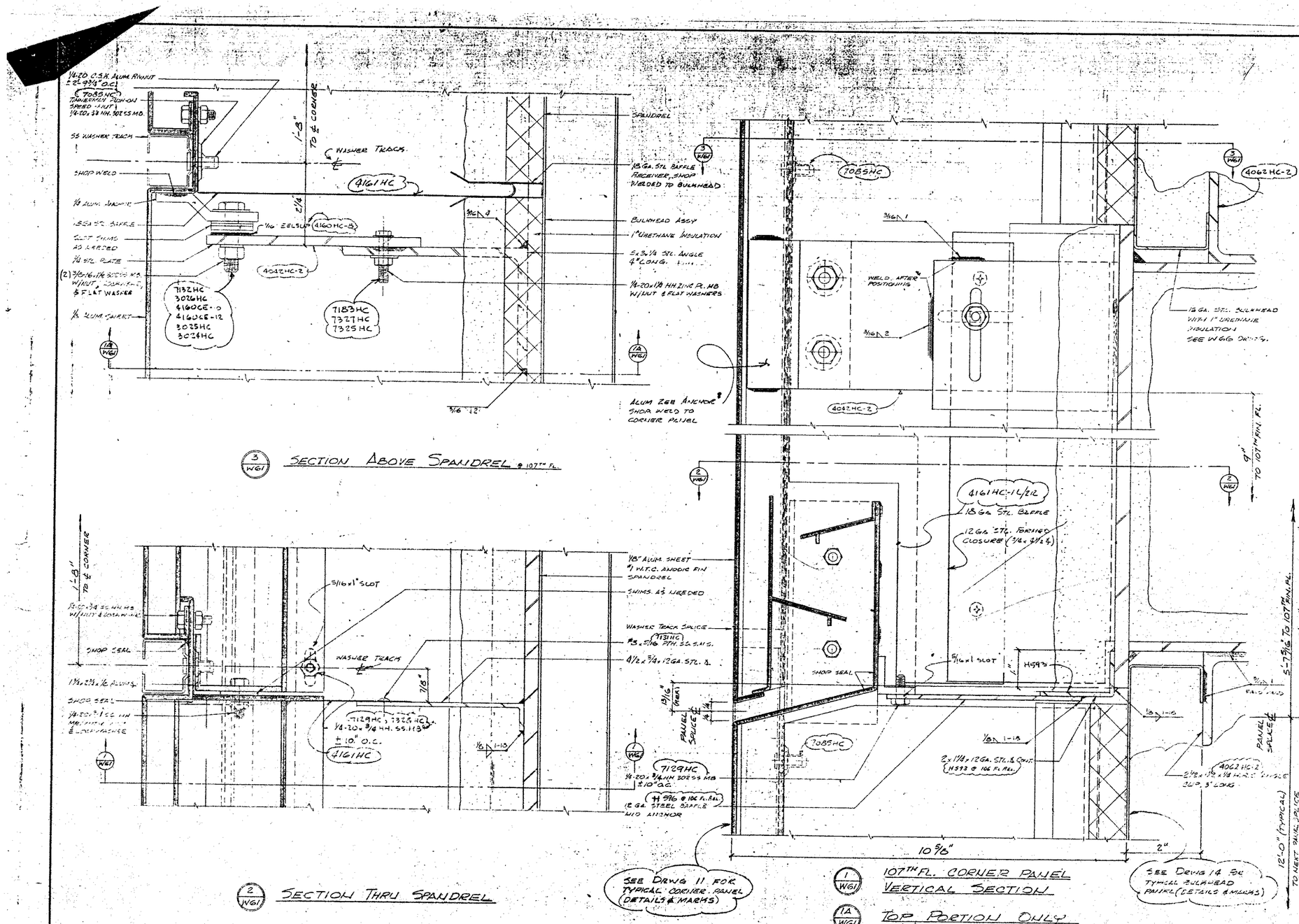
ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

APPROVED: REE TISHMAN
TRANSMITTAL OF 2-25-72

DATE	PRINTS	TO	FOR
4-7-72	7 PTS	CDO-WTC	ERECTION
4-7-72	10 SETS	TISHMAN	RECORD
1/14/72	2 REPRO 1 SEPIA	TISHMAN CDO-WTC	APPROVAL
9/6/71	2 REPRO 1 SEPIA	TISHMAN CDO-WTC	APPROVAL
8/23/71	2 REPRO 1 SEPIA	TISHMAN CDO-WTC	APPROVAL

PRINT RECORD

JOB NUMBER AB 71000
SHEET W60 OF



(3/WG1) SECTION ABOVE SPANDREL @ 107TH FL.

(2/WG1) SECTION THRU SPANDREL

(1/WG1) 107TH FL. CORNER PANEL VERTICAL SECTION

(1A/WG1) TOP PORTION ONLY

107TH FLOOR CORNER PANEL (FULL SIZE)

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT W.T.C. 600.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. PASMIN
				DATE 5-25-71
				CHECKED

ALCOA CUPPLES PRODUCTS

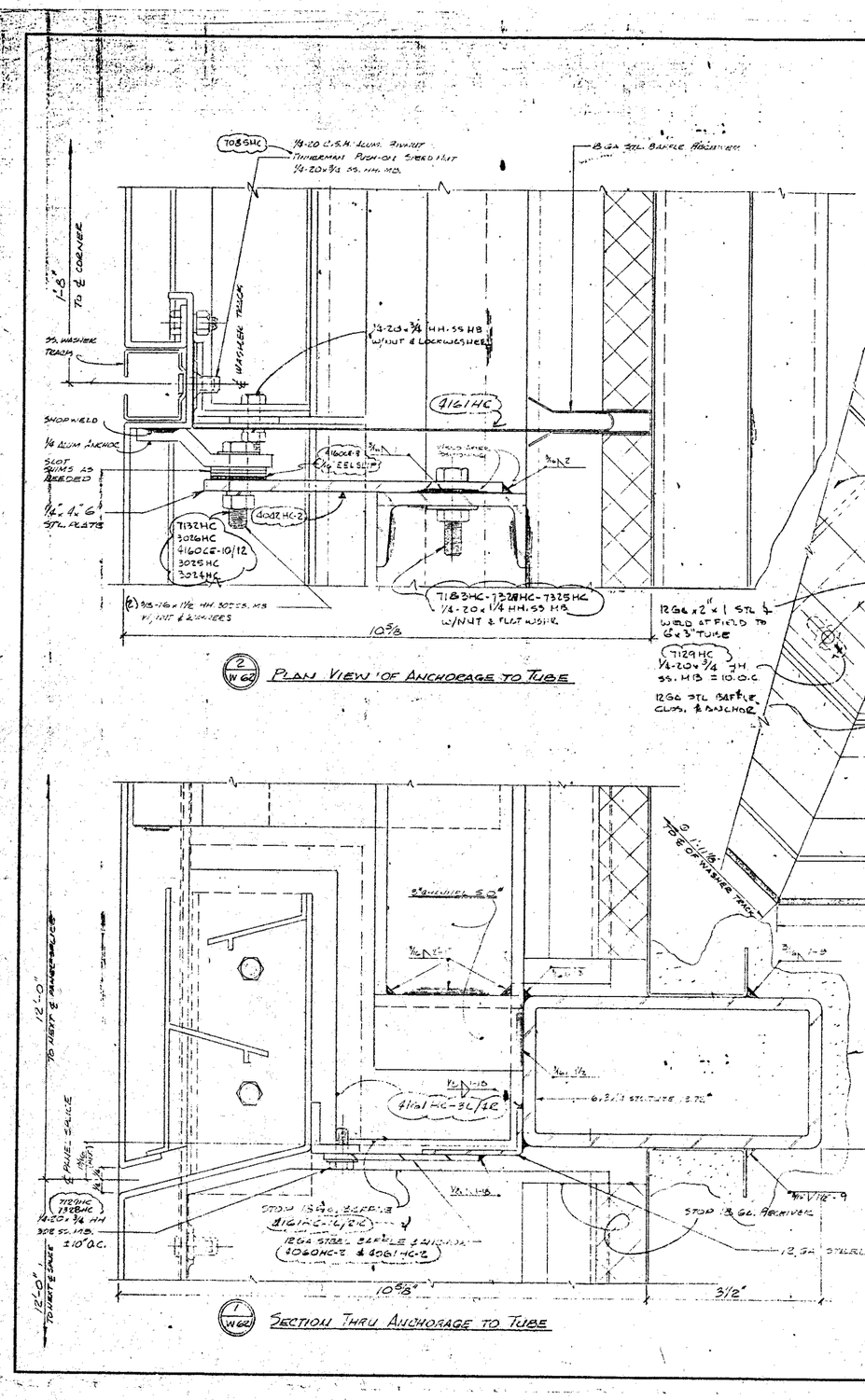
CURTAIN WALL TOWERS A & B

DATE	PRINTS	TO	FOR
6-7-72	7 OPTS	GPD-WTC	RELEASE-YJ
9-7-72	2 OPTS 1 SEPIA	TISHMAN	RELEASE
11/29/71	3 PRINTS	PA NY	SELECTION
11/23/71	1 PRINT 1 SEPIA		APPROVAL

PRINT RECORD

JOB NUMBER AB 71000
SHEET W61

APPROVED: REF TISHMAN TRANSMITTAL OF 7/17/72



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT N.Y.C. 400.00
BULLETIN
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. PASMIN
1	10/27/71	JLL	PER A.F.A. DATED 10/26/71	DATE
2	11/2/71	JLL	PER A.F.A. DATED 10/29/71	5-25-71
3	12/2/71	MH	A.F.A. DATED 11/30/71	CHECKED

ALCOA CUPPLES PRODUCTS

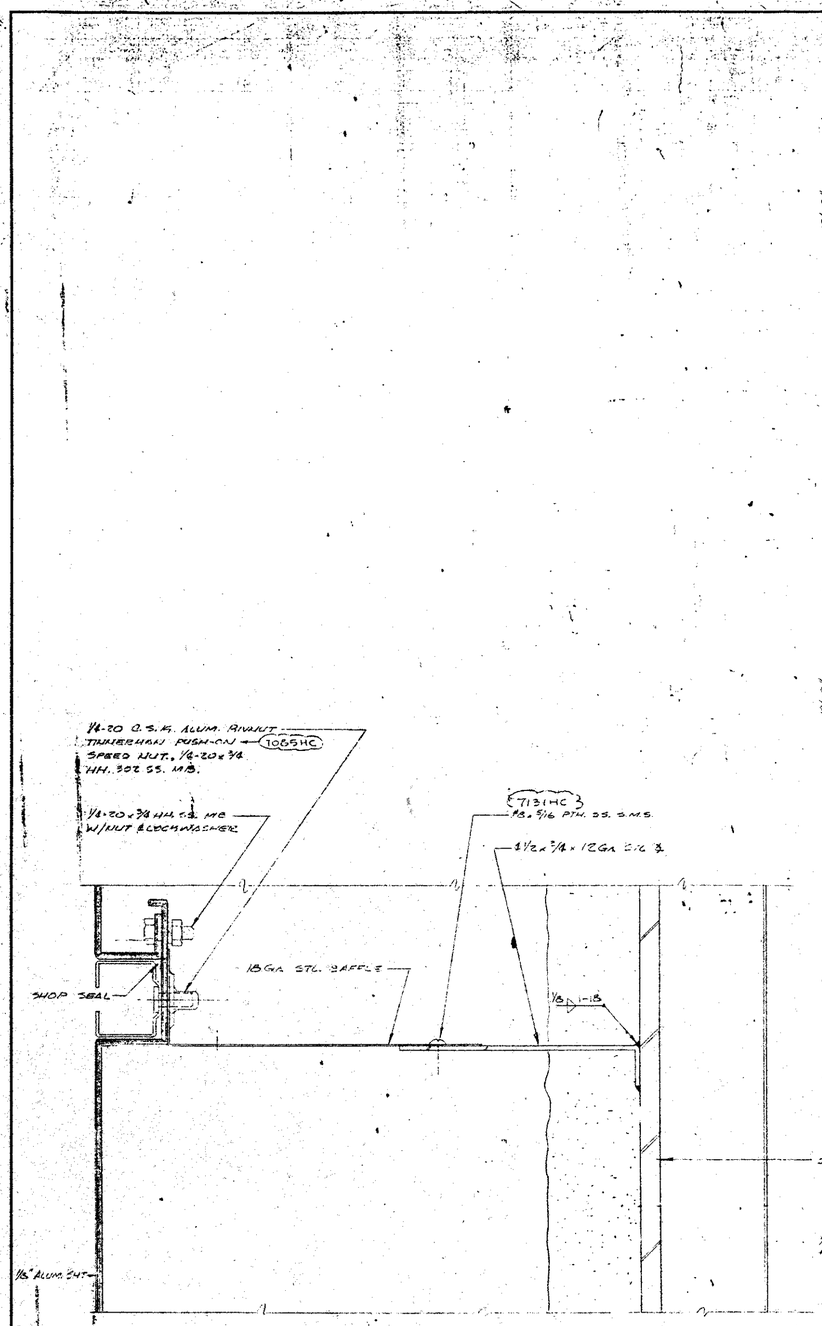
CURTAIN WALL Towers 4 & 8

APPROVED: REF. TISHMAN TRANSMITTAL OF 10-26-71
3 4-28-72

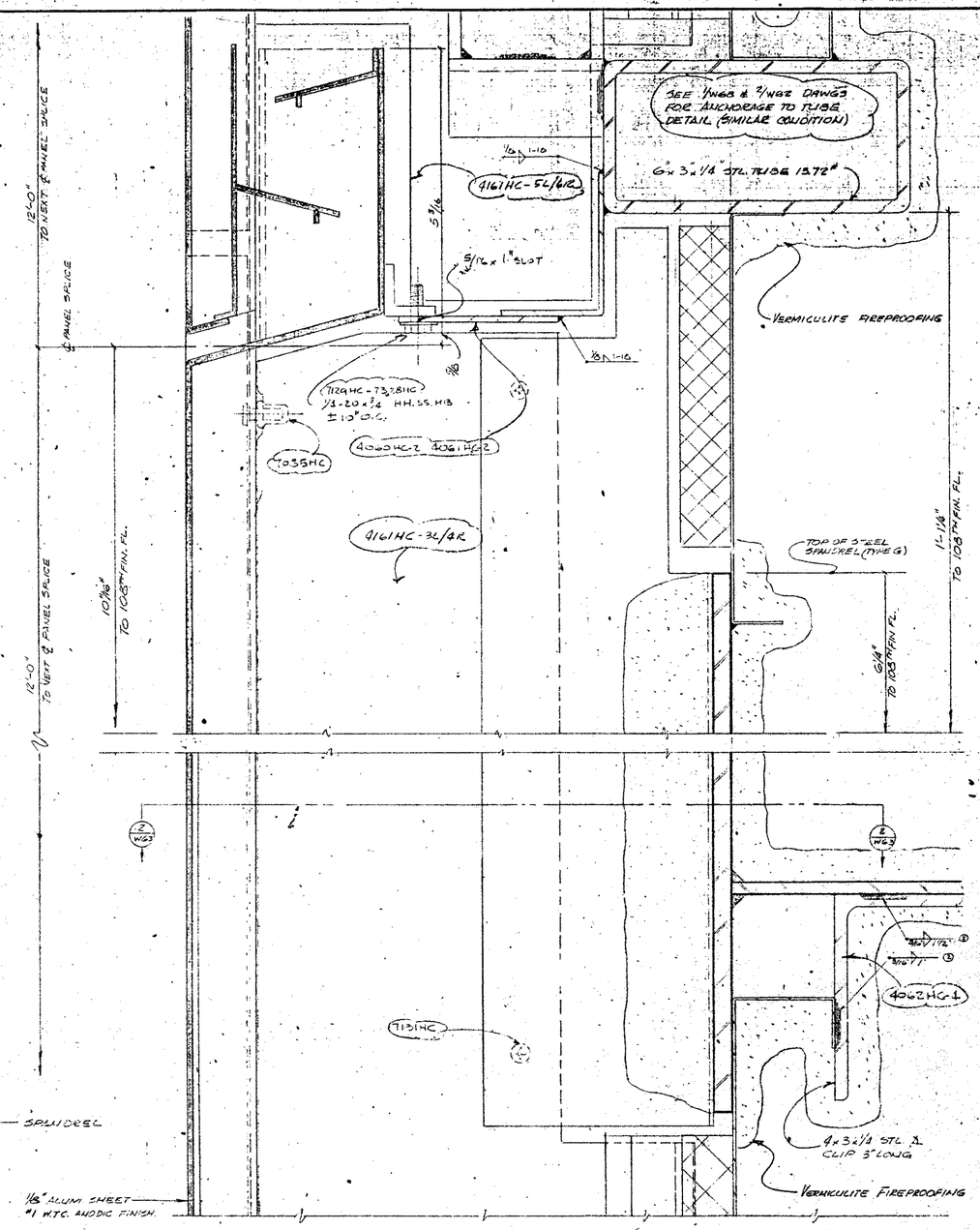
DATE	PRINTS	TO	FOR
4/3/72	3 PRINTS & SEPIA	TISHMAN	RECORD
4/3/72	7 PRINTS	CPD N.Y.	ERECTION
3-31-72	10 PRINTS & SEPIA	TISHMAN	APPROVAL
10/27/71	7 PRINTS	CPC. N.Y.	ERECTION
9/1/71	3 PRINTS & SEPIA	TISHMAN	APPROVAL
8/16/71	2 PRINTS & SEPIA	TISHMAN	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

JOB NUMBER AB71000
SHEET W6



2 WG3 SECTION THRU SPANDREL



1 WG3 108TH FLOOR CORNER PANEL VERTICAL SECTION

108TH FLOOR CORNER PANEL

(FULL SIZE)

JOB NAME

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. TC. 100.00
BULLETIN -

ARCHITECT

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. PASMIN
1	4/6/71	JEL	PER YPA REQUEST	DATE
2	7/20/71	JEL	REV. WEBBS	5-25-71
3	8/2/71	HP	ADD DATE	CHECKED

ALCOA CURTAIN WALL PRODUCTS — CURTAIN WALL TOWERS 1 & 2

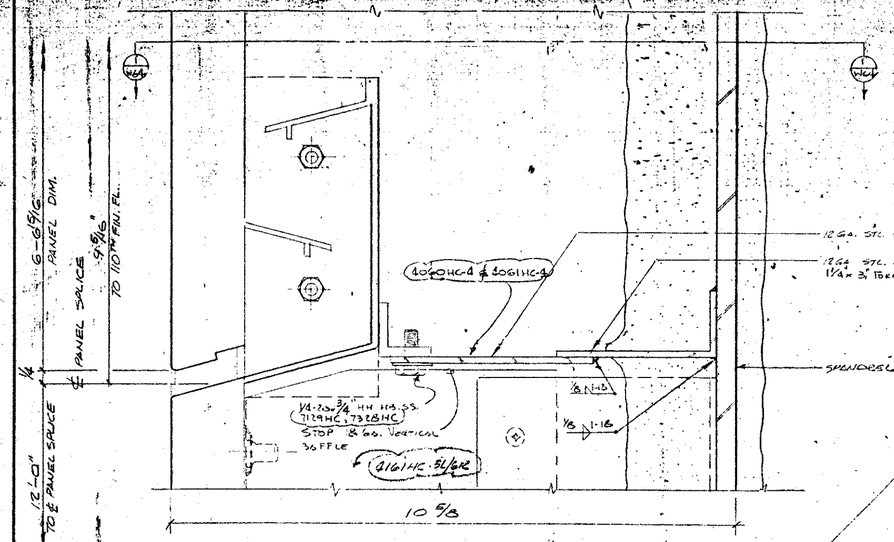
APPROVED: REF. TISHMAN TRANSMITTAL OF 10-12-71
② 4-13-72

DATE	PRINTS	TO	FOR
4/13/72	10 PRINTS 1 SEPIA	TISHMAN	REVISED
4/5/72	1 PRINTS	C.P.C. N.Y.	ERECTION
3-31-72	10 PRINTS 1 SEPIA	TISHMAN	APPROVAL
10/5/71	7 PRINTS	C.P.C. N.Y.	ERECTION
9/4/71	2 PRINTS 1 SEPIA		APPROVAL
8/6/71	2 PRINTS 1 SEPIA		APPROVAL

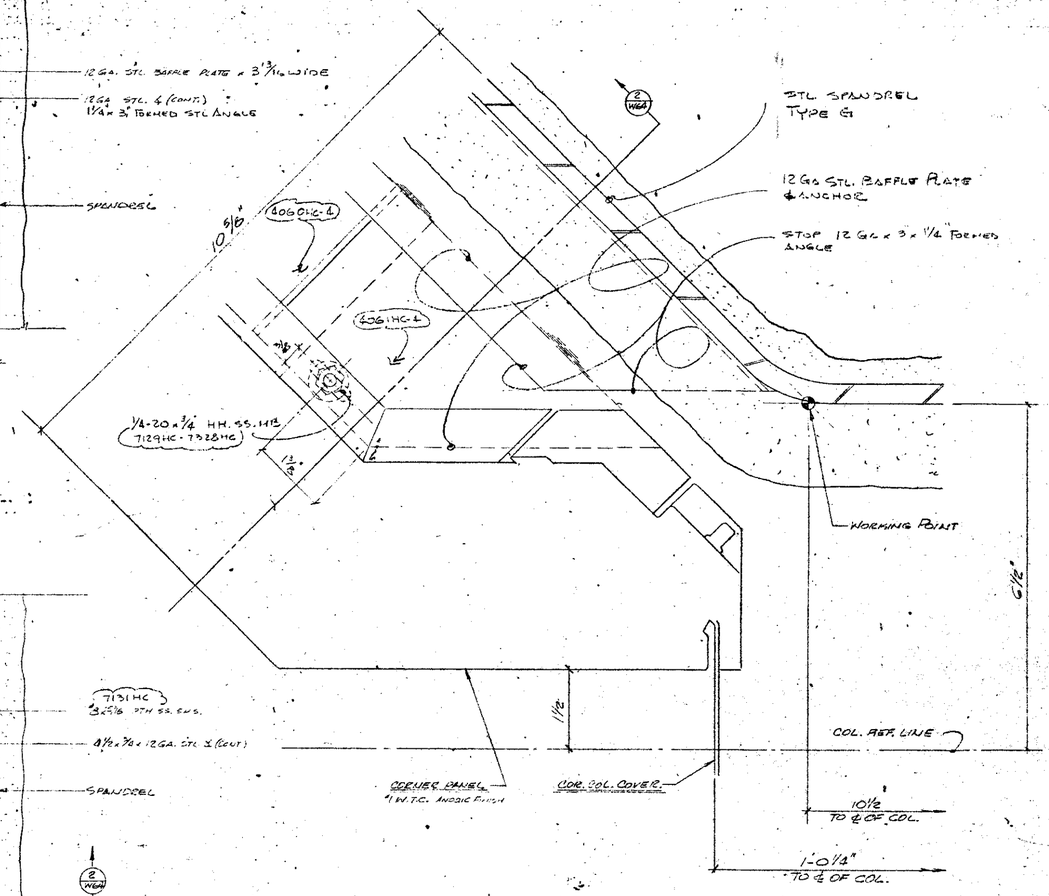
PRINT RECORD

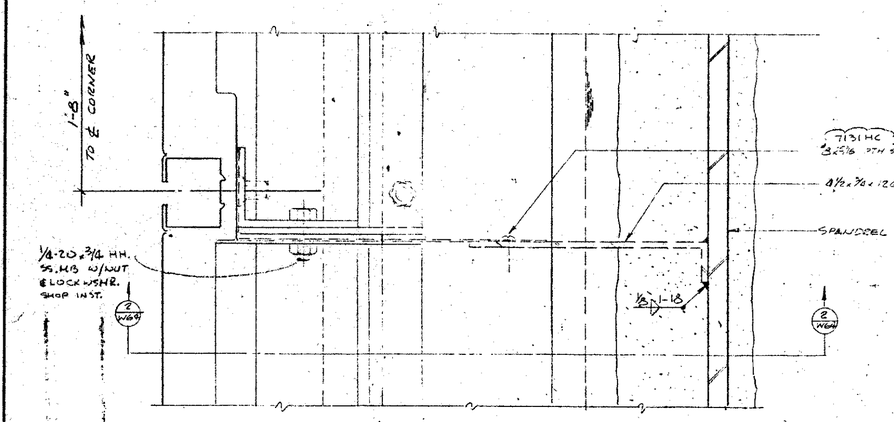
JOB NUMBER AB71000 — SHEET WG3 OF ___

NOTE:
SEE DRWG W73 FOR ANCHORAGE DETAILS @ TOP OF SPANDREL



(2 W64) CORNER PANEL SECTION OF SPLICE OCCURING AT SPANDREL (110TH FL.)





(1 W64) SECTION THRU DETAIL ABOVE AT WASHER TRACK AREA (110TH FL.)

(3 W64) CORNER PANEL END SECTION OF SPLICE OCCURING AT SPANDREL (110TH FL.)

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 800.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. PASMIN
1	11-3-71	WP	NO TEXT, SUFFIXES	DATE
2	1-3-72	WP	S.P.A. DATE	5-28-71
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS 1 & 2

APPROVED: REF. TISHMAN TRANSMITTAL OF 7/19/71
② 4-28-72

DATE	PRINTS	TO	FOR
6/13/72	12 PRINTS	TISHMAN	RECORD
4/5/72	7 PRINTS	CPD N.Y.	ERECTION
3-3-72	12 PRINTS	TISHMAN	APPROVAL
1/19/72	7 PRINTS	CPD N.Y.	ERECTION
9/24/71	1 PRINTS	TISHMAN	APPROVAL

PRINT RECORD

CORNER PANEL DETAILS (110TH FL.)

JOB NUMBER AB71000 SHEET W64

12Ga x 2 x 1

12Ga STL. BAFFLE CLOS. & ANCHOR

4060HC-2
4061HC-2

1/4-20 x 1 1/4 HH- ZINC P.M.S. W/NUT & WASHERS

3/16 2"

WELDING POINT

4054HC-10 @ 107TH FL. ONLY

1/4 4"

SEE 3/WG12 FOR DETAILS AT CORNER PANEL

4160CE-4 @ 110" CTS.

4160CE-2

NEOPRENE GASKET & ALUM SPACER

CORNER PANEL W.T.C. ANODIC FINISH COL. REF. LINE

CORNER COL. COVER

6 x 3 x 1/4 STL TUBE 13.72#

7081HC
(2) 5" x 1/2 TH. SQ. SHTS.

4063HC

5 x 5 x 3/8 STL ∠

12 GA STL PL.

TIGHT AGAINST COL. JOIN.

6'-5 1/2" TO 107TH FL.
7'-1 1/4 TO 108TH FL.

2 WG3

BAFFLE DETAIL

4047HC-1L/2R
5 x 5 x 3/8 STL ∠
1'-6" LONG

4063HC-2R
4063HC-1L (OPP.)

SHOP, WELD (CONT.)

1/4 4"

1'-0 1/4"

6"

1 WG5

CLOSURE AT CORNER COLUMN, CORNER COLUMN CONTD & TUBE (107TH & 108TH FL.)

SEE W4B FOR COL COVER DETAIL AT 108TH FL.

404THC-2
12 GA STL PLATES FIELD WELD TO 5 x 5 x 3/8 ANGLE

COL. COV. @ WINDOW @ 107TH FL. AS SHOW. SEE DET. 1 WG5

COL. COV. @ MER AREA @ 108TH FL. SEE DET. 1 WG5 2 WG5

GEN NOTE #11

CORNER COLUMN DETAIL
107TH & 108TH FL.

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4.00.00
BUILDING

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	DESCRIPTION
1	3/24/72	JLC	VALVE NOTES
2	4/24/72	JLC	REVISED CONTR.
3	5/11/72	VPP	APPROVED

DRAWN M. PASMAN
DATE 5-25-71
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED! REF. TISHMAN TRANSMITTAL OF 10-26-71
③ 4-28-72

DATE	PRINTS	TO	FOR
6/5/72	2 PRINTS	TISHMAN	RECORD
4/5/72	7 PRINTS	CPD N.Y.	ERECTION
3-21-72	1 PRINT	TISHMAN	APPROVAL
4/27/71	7 PRINTS	CPC NY	ERECTION
3/16/71	1 PRINT	TISHMAN	APPROVAL
2/25/71	1 PRINT	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER A87.000
SHEET WG5 OF

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC - 400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
1	11/19/71	JLL	REDRAWN
2	11/30/71	JLL	REDRAWN

DRAWN J. L. LINSIN
DATE
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

VERTICAL SECTIONS THRU BULKHEAD PANELS

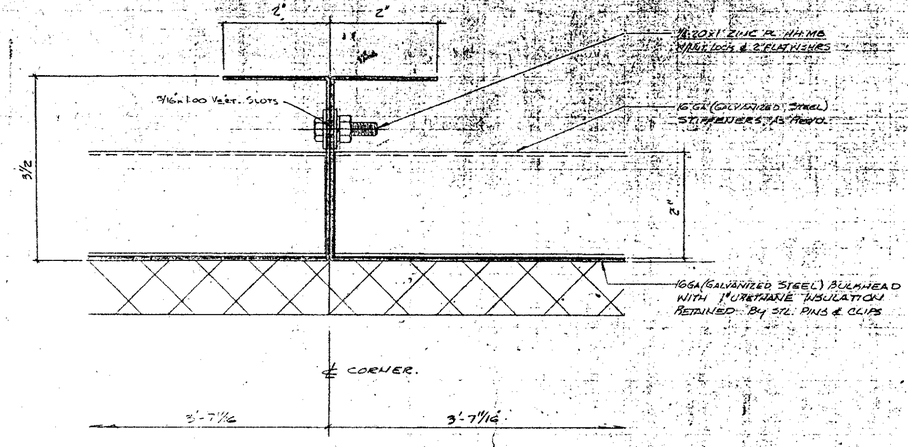
APPROVED: REF. TISHMAN TRANSMITTAL OF 12-30-71

6-7-72	7 PTS	CPO-WTC	SELECTION
4-7-72	10 PTS	TISHMAN	ESC. [illegible]
11/30/71	2 PRINTS	CPO-WTC	APPROVAL
6/25/71	7 PRINTS	CAC-NY	ELECTRIC
9/1/71	2 PRINTS	[illegible]	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

JOB NUMBER AB 7100
SHEET W96 OF ____

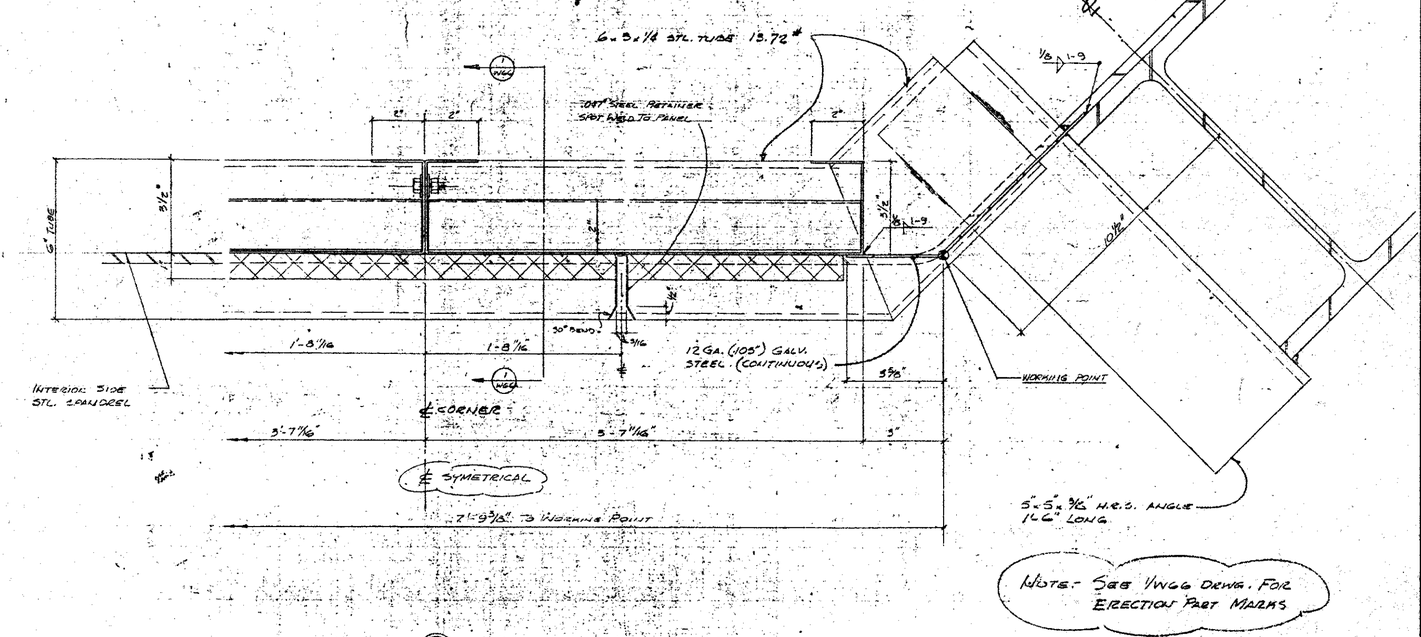
BULKHEAD DETAILS
CROWN



2 W67

BULKHEAD SPLICE @ CENTER

SCALE: FULL SIZE



NOTE- SEE 1/W66 DRWG. FOR ERECTION PART MARKS

1 W67

SECTION THRU BULKHEAD

NOT TO SCALE

BULKHEAD DETAILS @ CROWN

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 4.00.00
BULLETIN -

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. FISHMAN
				DATE 5-25-71
				CHECKED

ALCOA CUPPLES PRODUCTS

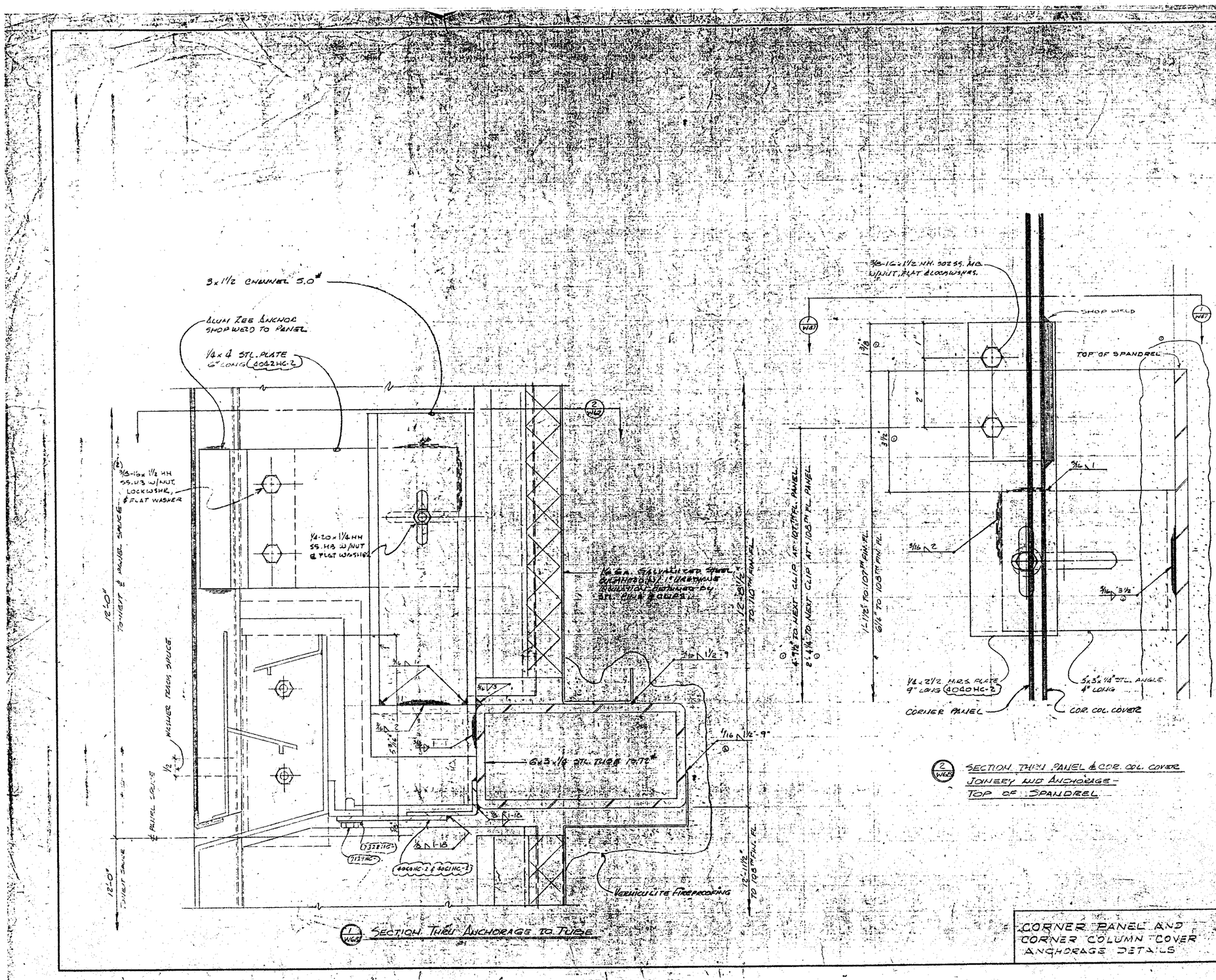
CURTAIN WALL TOWERS A & B

APPROVED: REF. FISHMAN TRANSMITTAL OF 7/9/71

DATE	PRINTS	TO	FOR
4-7-72	7 PTS	CPO-WTC	ERECTION
4-7-72	10 PTS & SEPIA	FISHMAN	RECORD
1/27/71	7 PRINTS	CPC NY	ERECTION
9/26/74	REVISED AS NOTED	REVISED AS REQUIRED	APPROVED

PRINT RECORD

JOB NUMBER AB 71000 SHEET W67 OF



(1 W68) SECTION THRU ANCHORAGE TO TUBE

(2 W68) SECTION THRU PANEL & COR. COL. COVER JOINERY AND ANCHORAGE - TOP OF SPANDREL

APPROVED: RGF. TISHMAN TRANSMITTAL OF 12-20-71

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT N.Y.C. 109.20
SUBSTN.

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	RMS/JIL
1	12-20-71	JIL	REVISED NOTES & DETAILS	DATE
2	2-14-72	JIL	ADD. WELD	5-25-71
				CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

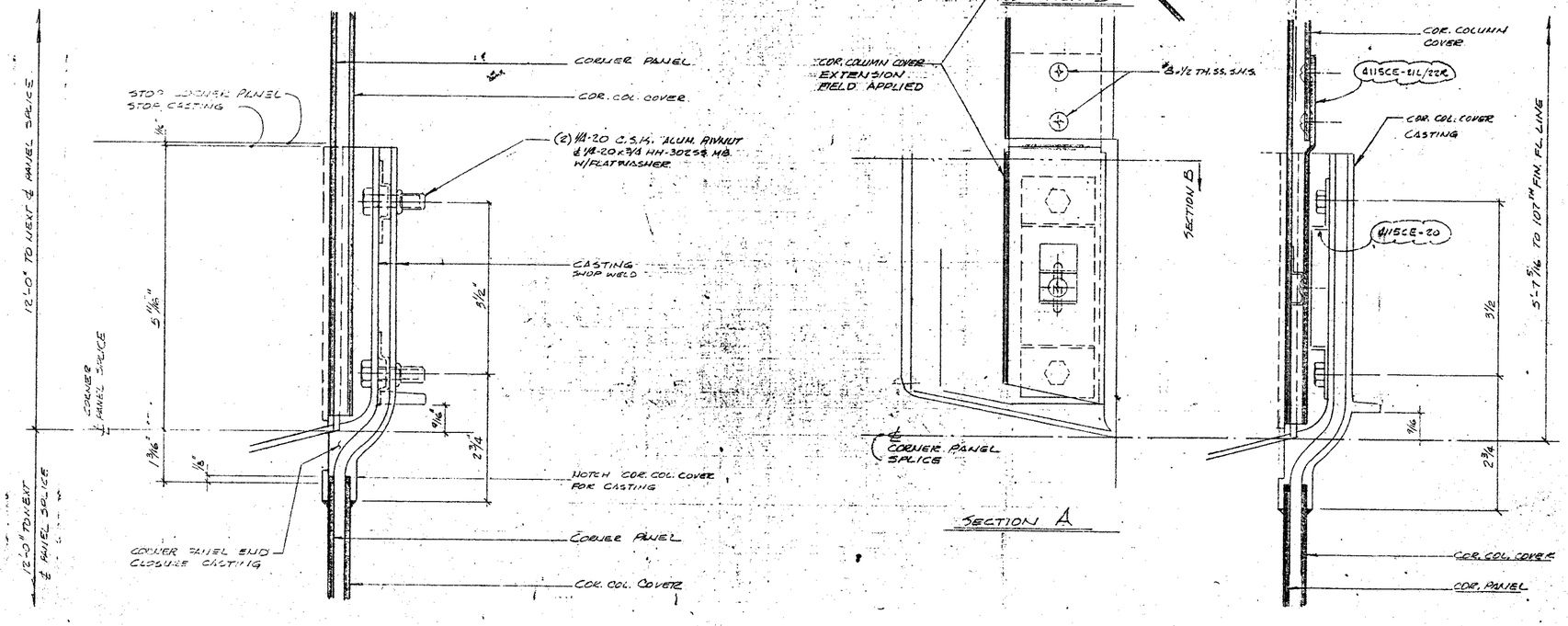
DATE	PRINTS	TO	FOR
4-7-72	7 PRTS	CAD-WITE	ERECT'N
4-7-72	10 PRTS	TISHMAN	RECORD
9/8/71	1 PRINTS	C.A.D.	APPROVAL
10-22-71	7 PRINTS	CAD. W4	ERECTION
9/16/71	1 PRINTS	C.A.D.	APPROVAL
9/8/71	1 PRINTS	C.A.D.	APPROVAL

PRINT RECORD

JOB NUMBER AB71000

SHEET W68

CORNER PANEL AND CORNER COLUMN COVER ANCHORAGE DETAILS



7 / W69 CORNER PANEL END CLOSURE CASTING AT PANEL SPLICE

2 / W69 CORNER COLUMN COVER CASTING BELOW 101ST FIN. FLR. LINE.

CORNER DETAILS AT CORNER COLUMN COVER CASTING

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT W.T.C. 100.00
BULLETIN #
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				GRAPHIC
NO.	DATE	BY	DESCRIPTION	PASHIN
				DATE 5-25-71
				CHECKED

ALCOA CUPPLES PRODUCTS

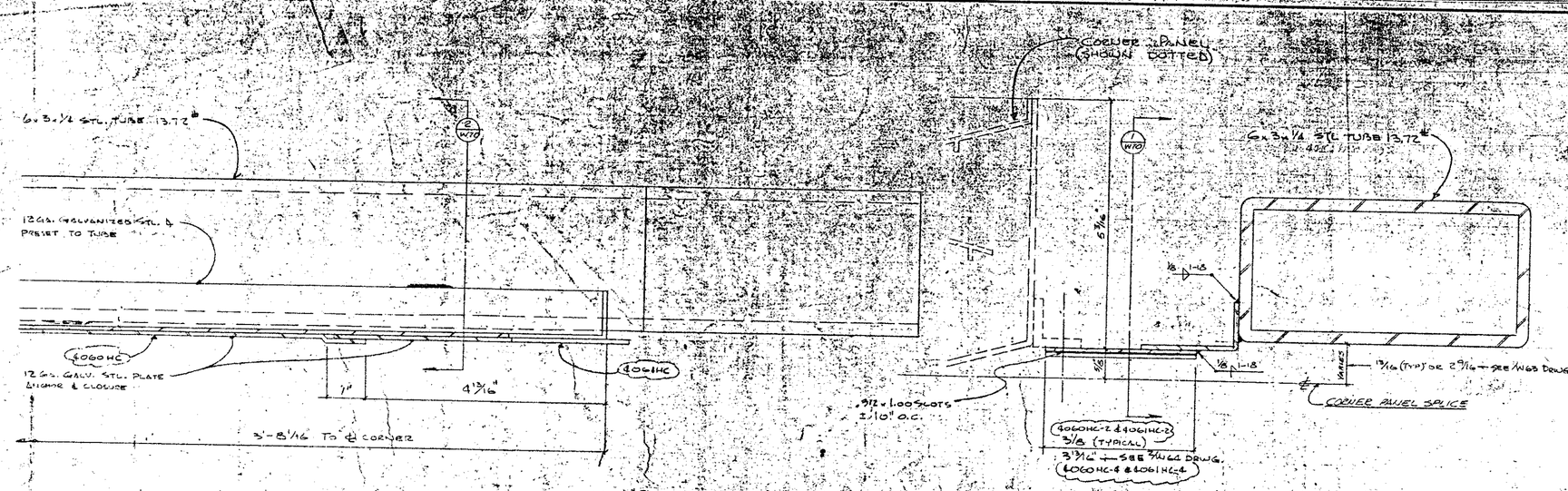
CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 7/19/71

DATE	PRINTS	TO	FOR
8-7-72	12 PTS & SEPIA	TISHMAN	RECORD
10/27/71	7 PRINTS	C.P.C. - N.Y.	ERECTION
9/25/71	4 PRINTS & SEPIA	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER AB71000
SHEET W69



1/W70 STEEL ANCHOR & CLOSURE BETWEEN CORNER PANEL & TUBE (SHOWN STL. ONLY) @ CORNER
FOR COMPLETE PLAN VIEW SEE W65 DRWG.

2/W70 SECTION

CLOSURE DETAIL AT CORNER PANEL SPLICE
FULL SIZE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT W.T.C. 10000
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	H. PASMIK
				DATE 5-25-71
				CHECKED

ALCOA CURTAIN WALL PRODUCTS
TOWER A & B

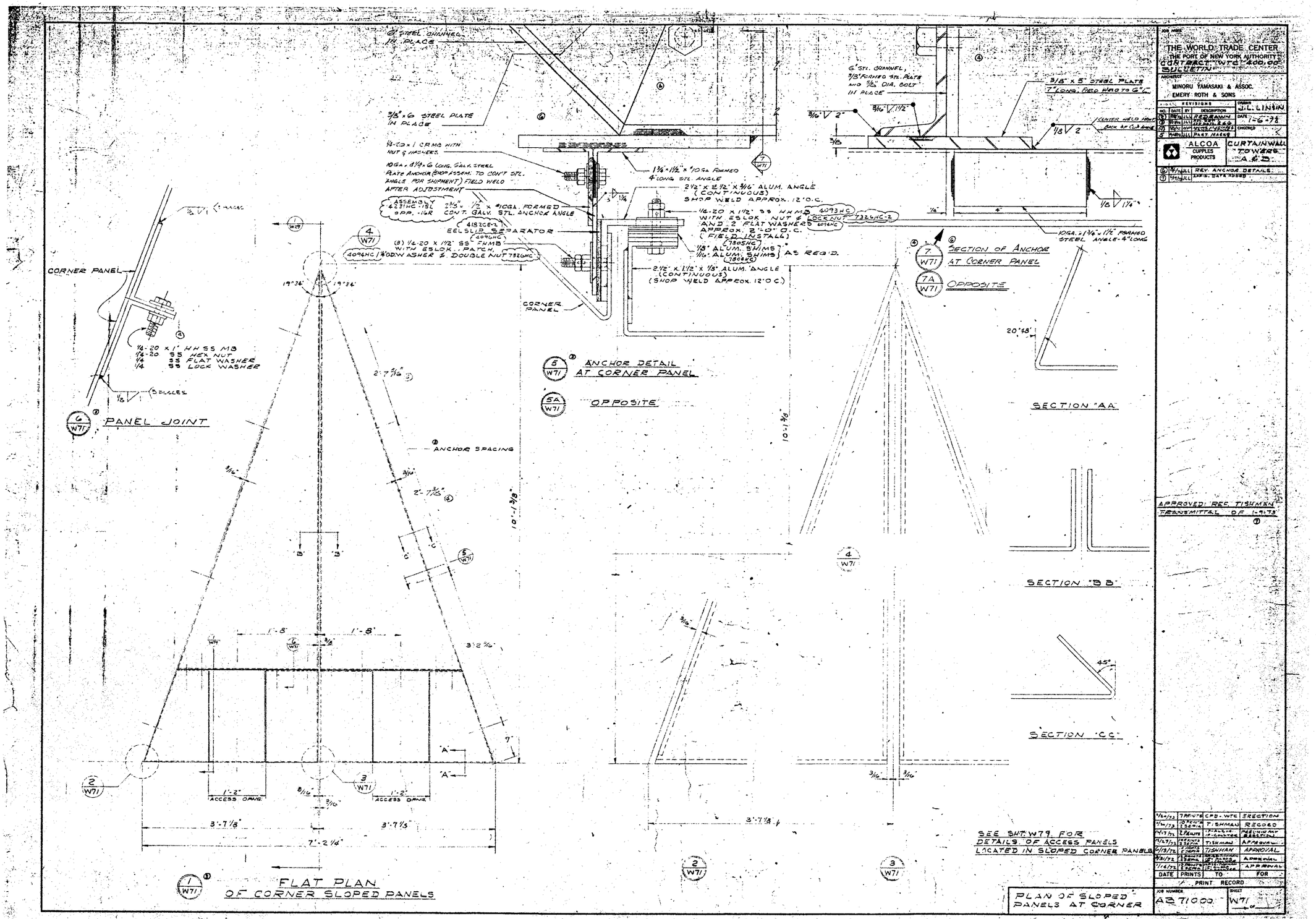
APPROVED REF. TISHMAN TRANSMITTAL OF 7/9/71

DATE	PRINTS	TO	FOR
6-7-72	7 PTS.	CPD-WTC	ERECTION
6-7-72	2 PTS. & SEPIA	TISHMAN	RECORD
10/27/71	7 PRINTS	CPC N.Y.	ERECTION
7/28/71	1 PRINT & 1 SEPIA	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER 1871000
SHEET W70

FILE NO. 42



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT "WTC-400.00"
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS
5	11/7/73	JLL	RED'D ANNUN
6	11/19/73	JLL	1/2 HOLE S.E.C.
7	12/7/73	JLL	VERT. ANCHORS
8	1/4/74	JLL	PART MARKS

DRAWN J.L. LINN
DATE 1-6-74
CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

6	8/19/74	JLL
7	10/11/74	JLL

REV: ANCHOR DETAILS
ADD'D. DATE ADDED

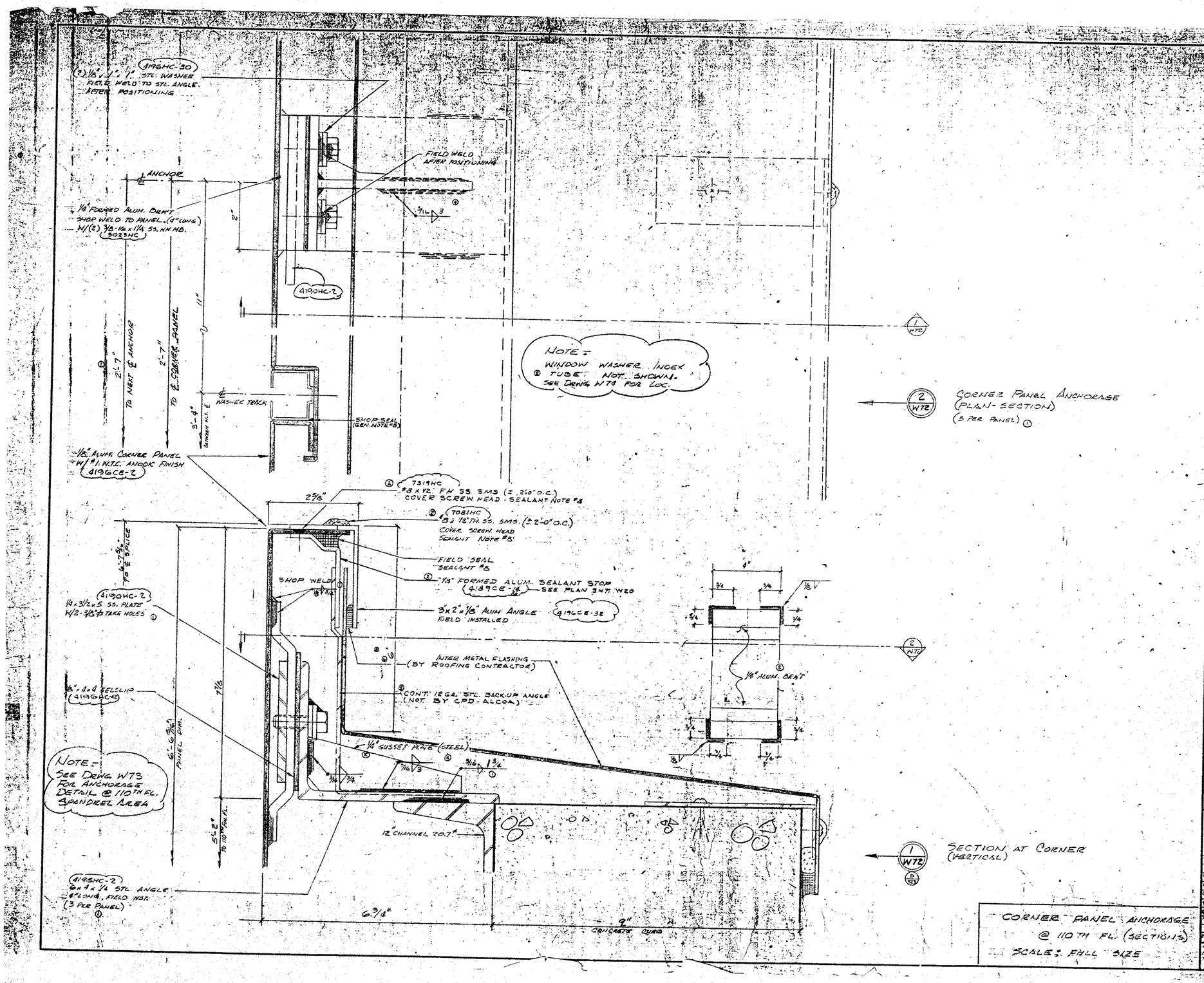
7/26/73	7 PRINTS	CPD - WTC	ERECTION
9/14/73	10 PRINTS	T. ISHMAN	RECORD
11/7/73	7 PRINTS	T. PAUTE	PRELIMINARY ERECTION
11/27/73	2 PRINTS	T. ISHMAN	APPROVAL
12/3/73	7 PRINTS	T. ISHMAN	APPROVAL
1/31/74	2 PRINTS	T. ISHMAN	APPROVAL
2/14/74	2 PRINTS	T. ISHMAN	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

APPROVED: REC. TISHMAN
TRANSMITTAL OF 1-9-73

JOB NUMBER AB 71000
SHEET W71 OF

FILE No. 42



JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NYC-100.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	9/7/71	LLL	ADD SECTION THRU SPANDREL
2	9/27/71	LLL	ADD SECTION THRU SPANDREL
			REVISE ANGLE
3	10/7/71	LLL	PLANT MARKS

DRAWN: M. PASMAN
DATE: 11-30-71
CHECKED:

ALCOA CURTAIN WALL
CUPPLES PRODUCTS TOWERS A & B

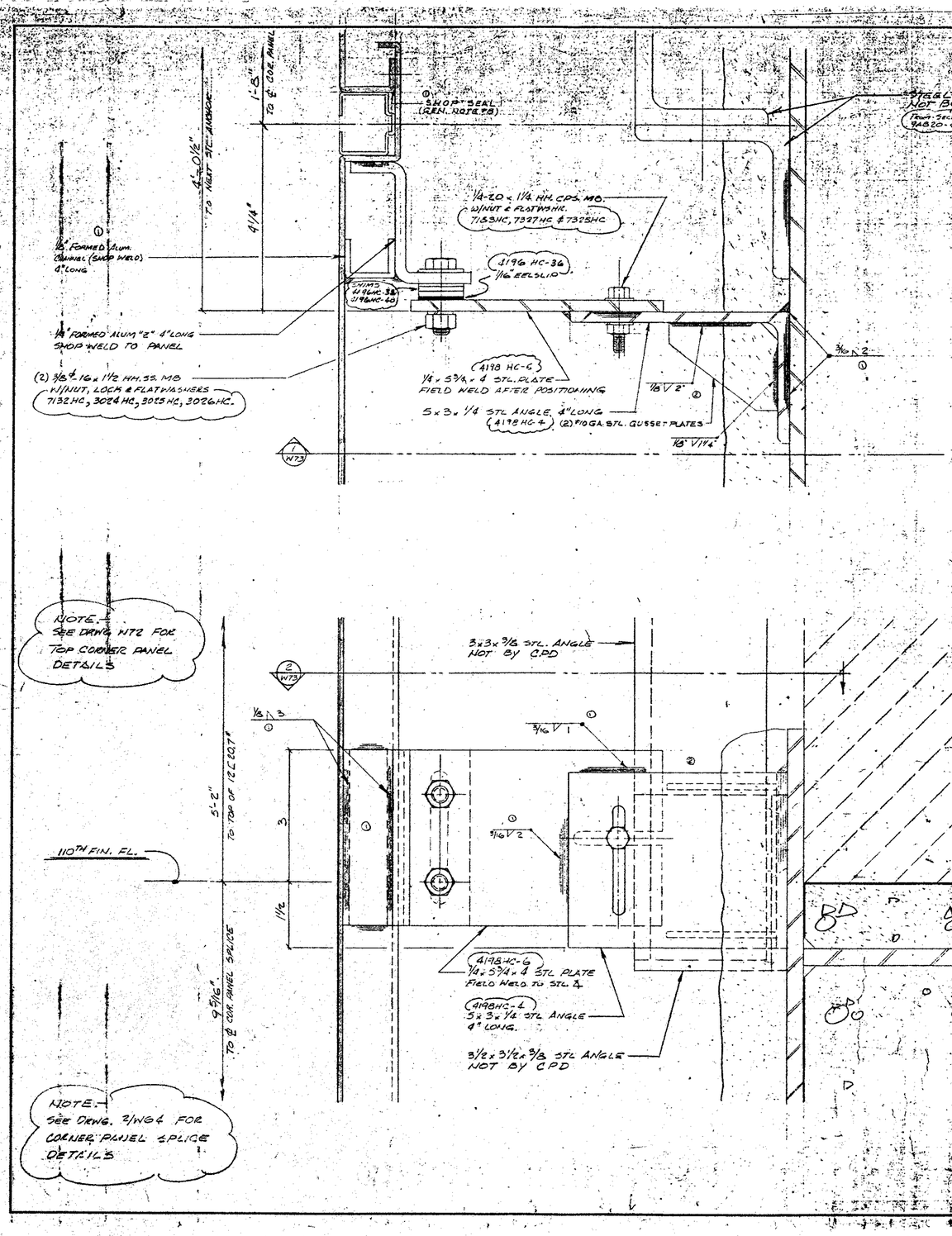
4	10/29/71	LLL	REV. GUSSETS.
5	11/4/71	LLL	REVISE PANEL TYPE.
6	11/9/71	LLL	ADD DATE TO DWGS. REVISE DIM. REF.

APPROVED: REF. TISHMAN
TRANSMITTAL OF 1-9-72
①

9/24-10/2/72	7 PRINTS	CPD - WTC	ERECTION
9/24-10/2/72	10 PRINTS	TISHMAN	RECORD
7/7-7/21/72	7 PRINTS	BARNES	PRELIMINARY REVIEW
12/13/72	APPROVED & SIGNED	TISHMAN	APPROVAL
12/18/72	10 PRINTS	TISHMAN	APPROVAL
4/6/73	7 PRINTS	CPD - N.Y.	ERECTION
9/20-25	15 PRINTS	TISHMAN	APPROVAL
11/6/73	15 PRINTS	TISHMAN	APPROVAL
DATE	PRINTS	TO	FOR

PRINT RECORD

JOB NUMBER AB-71000
SHEET W72



JOB NUMBER 7100

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
ALBANY NEW YORK 12207
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.-
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
①	11/7/71	ALL	SPANDREL & SPACE P
②	11/15/71	ALL	Gussets added
③	12/17/71	ALL	

DRAWN H. PASMAN
DATE 11/30-71
CHECKED

ALCOA CURTAIN WALL
CLIPPLES TOWERS
PRODUCTS A.M.B.

APPROVED: R.E.F. TISHMAN
TRANSMITTAL OF 1-9-73 ①

DATE	PRINTS	TO	FOR
9/1/72	7 PRINTS	CPD-WTC	ERECTION
9/1/72	2 PRINTS	TISHMAN	RECORD
11/21/72	1 PRINT	ALCOA CLIPPLES	PRELIMINARY REVIEW
11/21/72	10 PRINTS	TISHMAN	APPROVAL
11/30/72	10 PRINTS	TISHMAN	APPROVAL
12/8/72	7 PRINTS	CPD N.Y.	ERECTION
3/31-72	2 PRINTS	TISHMAN	APPROVAL
7/6/72	1 PRINT	TISHMAN	APPROVED

PRINT RECORD

JOB NUMBER AB-71000
SHEET W73 OF

CORNER PANEL DETAILS
110TH FLOOR
SPANDREL AREA SCALE: FULL SIZE

WINDOW WASHER INDEXING TUBE AND SUPPORTS - NOT BY CPD: ALCOA

SLOPE

STAINLESS METAL COPING BY ROOFING CONTRACTOR

4196CE-32

4189CE-14 OPP. -16

℄ WASHER TRACK

CORNER PANEL 4196CE-2

1'-8" TO COR. PANEL ℄

3'-7⅛" TO CORNER PANEL ℄

1/W14 — PLAN AT TOP OF EXTERIOR WALL AT CORNER

GASKET 4160CE-4

SEALANT NOTE #3

4196CE-34R 33½ (OPP.)

7038HC, 7325HC

4189CE-10 OPP. -18

4189CE-12 OPP. -20

COL. REF. LINE

2⅝

1½

8⅛"

45°

⅛" ALUM. FASCIA #1 W.T.C. ANODIC

.090 ALUM SHT COR. COL. COVER (SIDE) #1 W.T.C. ANODIC FINISH

SEALANT NOTE #3

1 x 1 x ⅛ ALUM. ANGLE SHOP WELD

℄ WASHER TRACK

5'-10" TO TOP OF FIN. FL.

7319HC

⅜ x ½" FLH. SS. SMS. (± 2'-0" O.C.)

1/8" ALUM. CORNER PANEL #1 W.T.C. ANODIC FINISH

4189CE-14 OPP. -16

2 x 3 x ⅛ ALUM. ANGLE 4196CE-

5'-10" TO TOP OF FIN. FL.

2⅝"

7038HC

⅜ x 1" TH. SS. SMS. (± 2'-0" O.C.) COVER WITH SEALANT SCREW HEAD. NOTE #3

TOP OF CORNER COLUMN COVER

4189CE-12 OPP. END-20 SEALANT #3

WIRE METAL JOINING BY ROOFING CONTRACTOR

6¼"

2"

5'-10" TO TOP OF FIN. FL.

TOP OF 7325HC

2/W14 — SECTION @ WASHER TRACK

3/W14 — SECTION THRU CORNER PANEL @ TOP

4/W14 — SECTION THRU CORNER PANEL @ TOP & CORNER COLUMN COVER

CORNER PANEL AT TOP

SCALE: FULL SIZE

AD-71000 W14

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. AT-4-100.03
CONTRACT NO. AT-4-100.04

MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

DESIGNED: FASMIN
DRAWN:
CHECKED:
DATE: 11-15-71

ALCOA CURTAIN WALL TOWERS 4 & 5

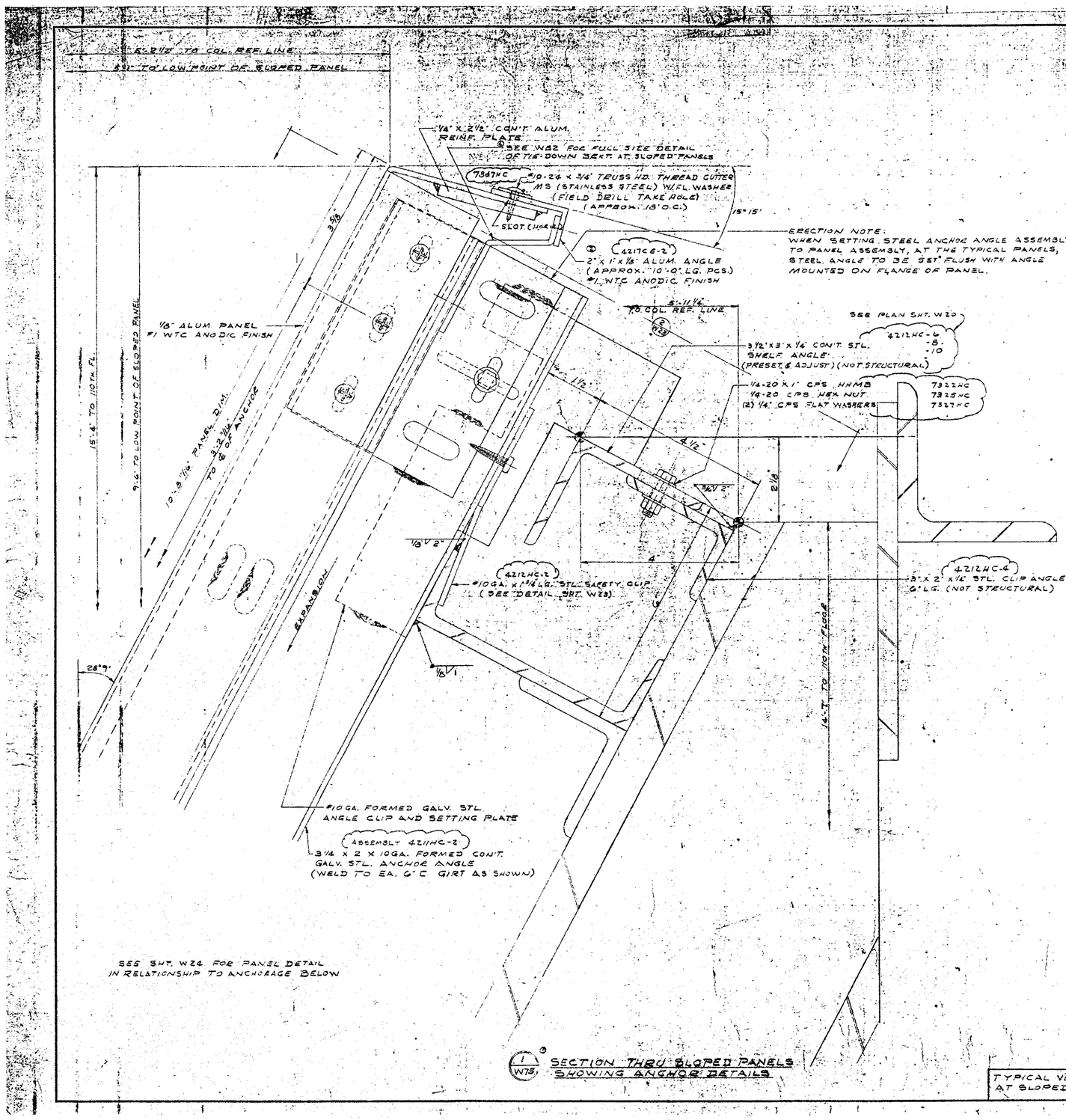
NO.	DATE	BY	DESCRIPTION
1	1-18-72		CORR. SPLICE
2	2-24-72		ADD SEAL
3	3-24-72		WELD SEAL
4	7-17-72		ADD SEAL & FILL

NO.	DATE	BY	PART MARKS
5	7-17-72		REV. INDEXING, DEVICE
6	10-6-72		ADD ALTERNATE FOR SEALANT & FILL
7	12-19-72		APPR. GOVT. REV.

APPROVED: REG. TISHMAN
TRANSMITTAL OF 1-9-73

DATE	PRINTS	FROM	TO
9/24/73	3 PRINTS	CPD - WTC	ERECTION
11-1-73	2 PRINTS	TISHMAN	RECEIVED
11/8/73	1 PRINT	ALCOA	APPROVED FOR ERECTION
11/9/73	2 PRINTS	TISHMAN	APPROVAL
11/21/73	1 PRINT	TISHMAN	APPROVAL
11/26/73	3 PRINTS	CPD - WTC	ERECTION
12/21/73	2 PRINTS	TISHMAN	APPROVAL
12/26/73	2 PRINTS	TISHMAN	APPROVAL
DATE	PRINTS	TO: CPD	FOR:

PRINT RECORD



3 / W75 SECTION THRU SLOPED PANELS SHOWING ANCHOR DETAILS

TYPICAL VERTICAL SECTION AT SLOPED PANELS

JOB NAME: THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT: WTC-4001.05
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
4	10/31/72	JWL	ADD 3-11/16" DIMENSION
3	10/11/72	JWL	GENERAL
2	9/29/72	JWL	PART MASS
1	10/20/71	JWL	ADD 2 DETAILS

DRAWN: J. L. LINSIN
DATE: 12-14-71
CHECKED:

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

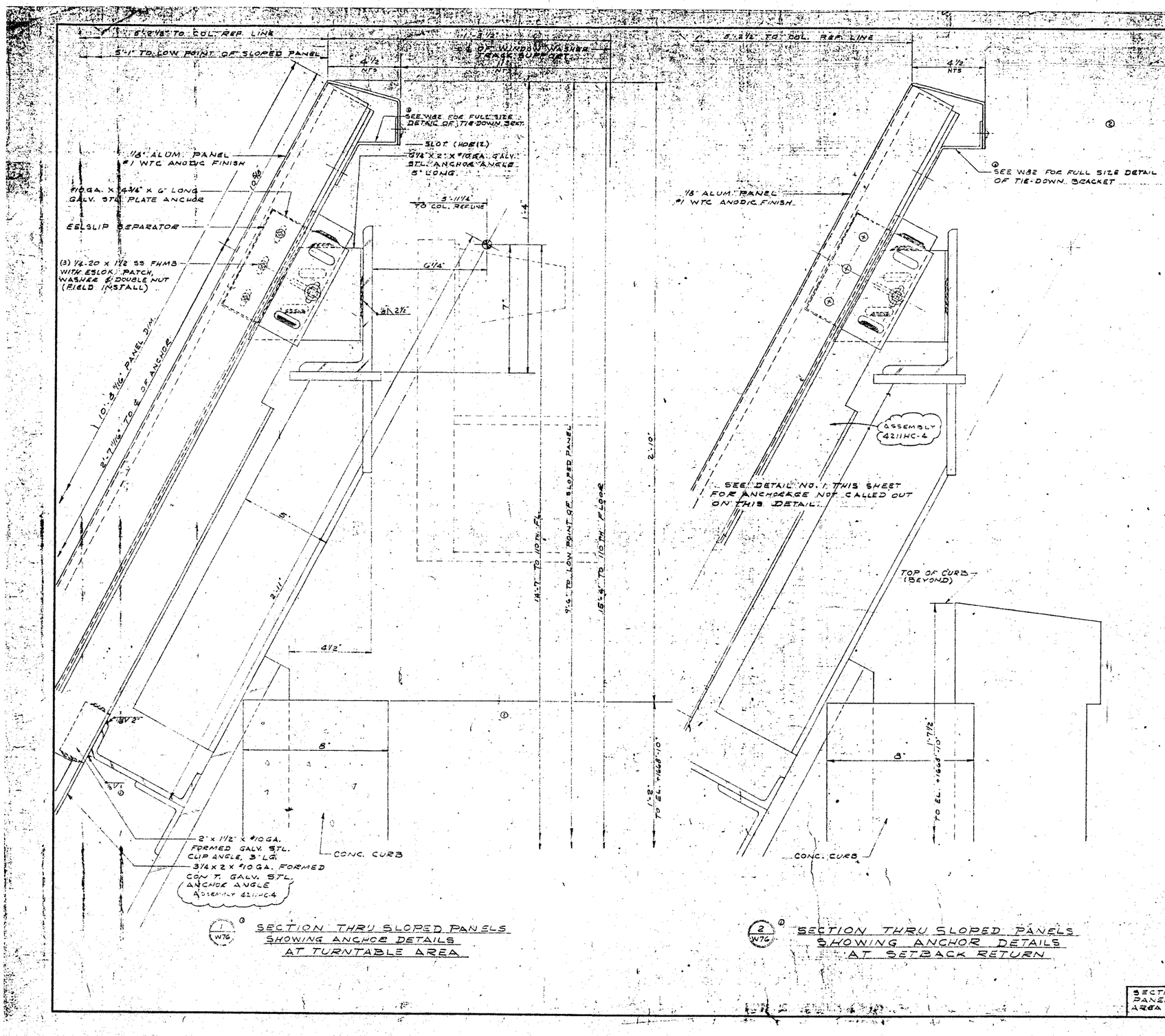
APPROVED: REF. TISHMAN TRANSMITTAL OF 1-9-73

DATE	PRINTS	TO	FOR
6/20/72	1 PRINTS	CPD.-WTC	ERECTION
6/20/72	1 SEPIA	TISHMAN	RECORD
7/17/72	1 PRINT	ALCOA CONST.	PRELIMINARY REVIEW
7/24/72	1 SEPIA	TISHMAN	APPROVAL
8/31/72	2 PRINTS	TISHMAN	APPROVAL
8/31/72	1 SEPIA	TISHMAN	APPROVAL
11/16/72	1 SEPIA	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER A & B 7000
SHEET W75

FILE NO 142



1 W76 — SECTION THRU SLOPED PANELS SHOWING ANCHOR DETAILS AT TURNTABLE AREA

2 W76 — SECTION THRU SLOPED PANELS SHOWING ANCHOR DETAILS AT SETBACK RETURN

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC-A00-00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
7	9/15/72	J.L.	ADD W.T. & DATE ADDED
8	12/27/72	J.L.	ADD W.T. & DATE ADDED
9	1/17/73	J.L.	PART MARKS
10	1/24/73	J.L.	ADD W.T. & DATE ADDED

DRAWN J.L. LINBIN
DATE 12-18-71
CHECKED

ALCOA CUPPLES PRODUCTS — CURTAIN WALL TOWERS — A & B

9 1/24/73 J.L. ADD W.T. & DATE ADDED

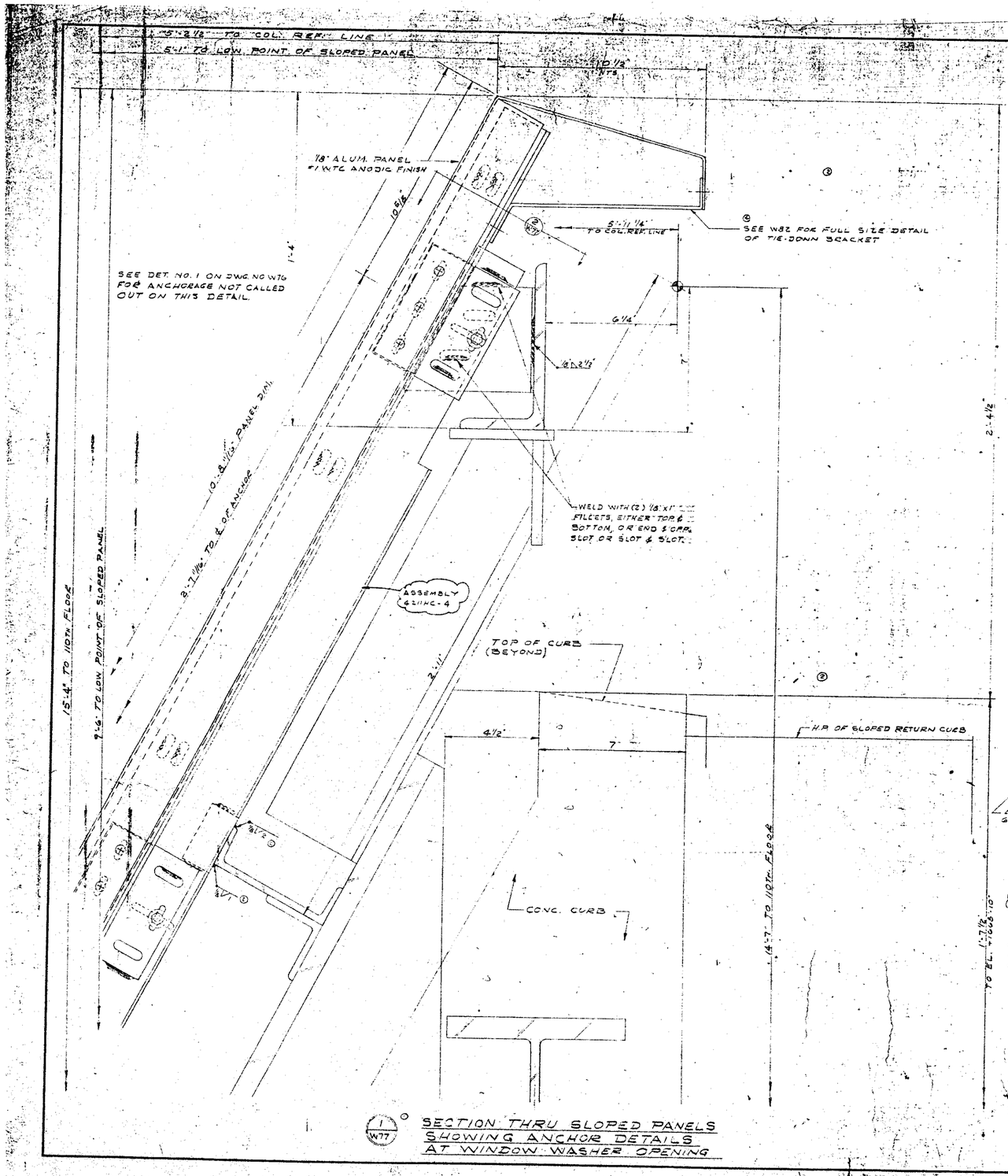
APPROVED: REF. TISHMAN TRANSMITTAL OF 1-9-73 ⑨

DATE	PRINTS	TO	FOR
9/14/72	7 PRINTS	CPD-WTC	REVISION
9/26/72	10 PRINTS 1 SEPIA	TISHMAN	RECORD
11/17/72	2 PRINTS	ALCOA CUPPLES	REVISIONS AS NOTED
12/27/72	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
1/18/73	20 PRINTS 1 SEPIA	TISHMAN	APPROVAL
2/21/73	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
11/4/72	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL

PRINT RECORD

SECTION THRU SLOPED PANELS AT TURNTABLE AREA AND AT SETBACK RETURN

JOB NUMBER AD71000
SHEET W76



(1 / W77) SECTION THRU SLOPED PANELS SHOWING ANCHOR DETAILS AT WINDOW WASHER OPENING

(2 / W77) TOP ANCHOR DETAIL AT TURN TABLE AREA AND WINDOW WASHER OPENING

JOB NAME: THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT W.T.C. 400.00
BOLLETINO

ARCHITECT: MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN: J.E. LINSIN
NO.	DATE	BY	DESCRIPTION	
1	1/8/73	JLL	ANCHOR DETAILS	DATE: 12/14/71
2	1/23/73	JLL	JOINT INT. PLUG	CHECKED:
3	1/24/73	JLL	PART MARKS	
4	1/24/73	JLL	REPOSITION ANCHOR DET.	

ALCOA CUPPLES PRODUCTS — CURTAINWALL TOWERS A & B

5 1/24/73 JLL APPD. DATA ADDED.

APPROVED, REF. TISHMAN TRANSMITTAL OF 1-9-73

DATE	PRINTS	TO	FOR
4/4/73	7 PRINTS	CPD - W.T.C.	ERECTION
1/16/73	2 PRINTS 1 SEPIA	TISHMAN	RECORD
11/6/72	2 PRINTS	ARCH. & ENGRS.	PRELIMINARY
12/11/72	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
1/8/73	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
1/16/73	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
1/24/73	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL
1/24/73	2 PRINTS 1 SEPIA	TISHMAN	APPROVAL

SECTION THRU SLOPED PANELS AT WINDOW WASHER OPENING

JOB NUMBER: AB 7/000 — SHEET: W77

FILE NO. 1782

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT NO. 4.00.00
BULLETIN

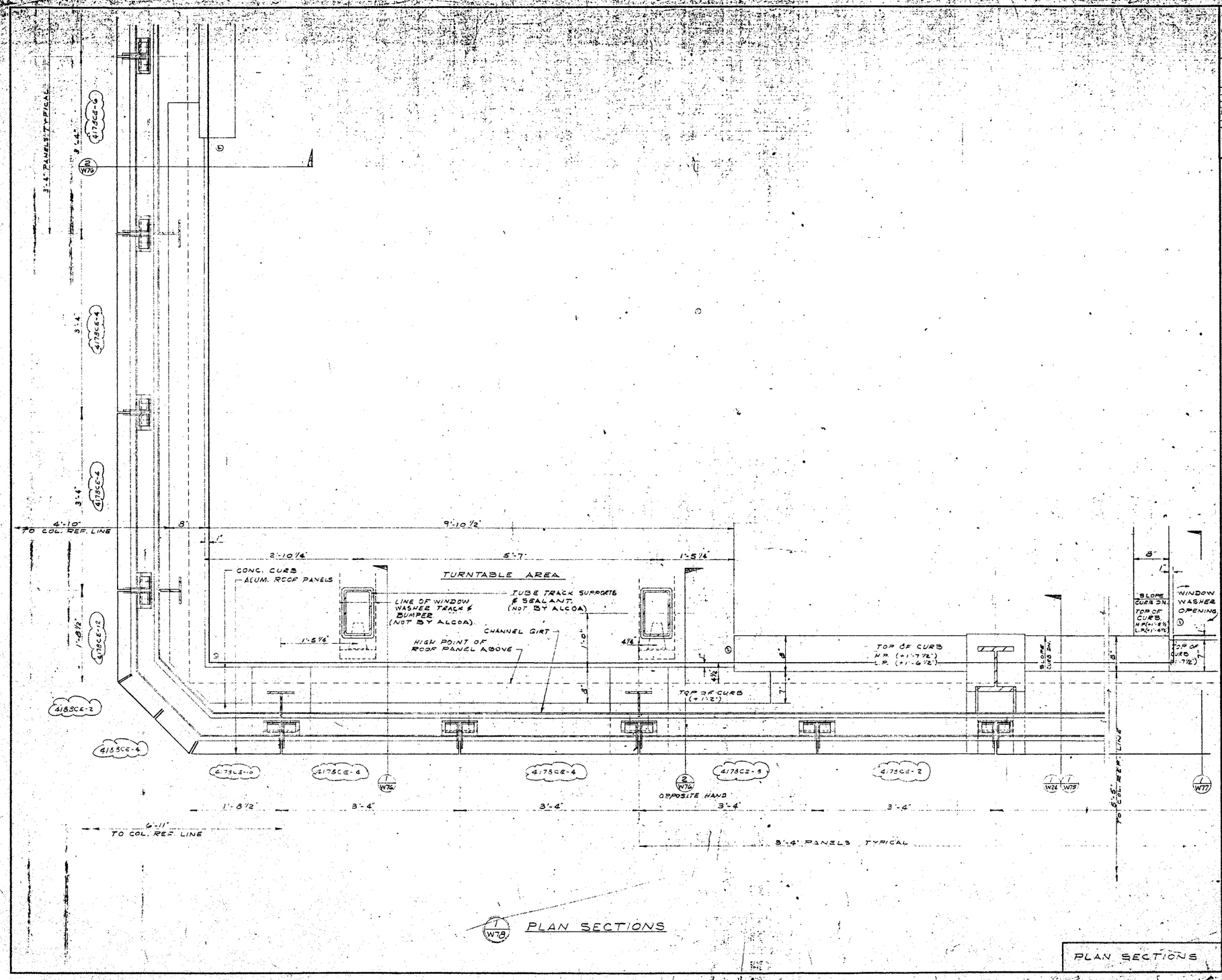
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J.L. LYNSTAD
1	10-71	JLL	ADD ALUM. ROOF PANELS	DATE
2	12-71	JLL	SHIFT UNIT DIV. PANELS	12-14-71
3	1-72	JLL	PANEL MARKS	CHECKED
4	1-72	JLL	CORR. SLOPE DIR.	

ALCOA BUILDING PRODUCTS

CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 1-9-73
3 4



1/W78 PLAN SECTIONS

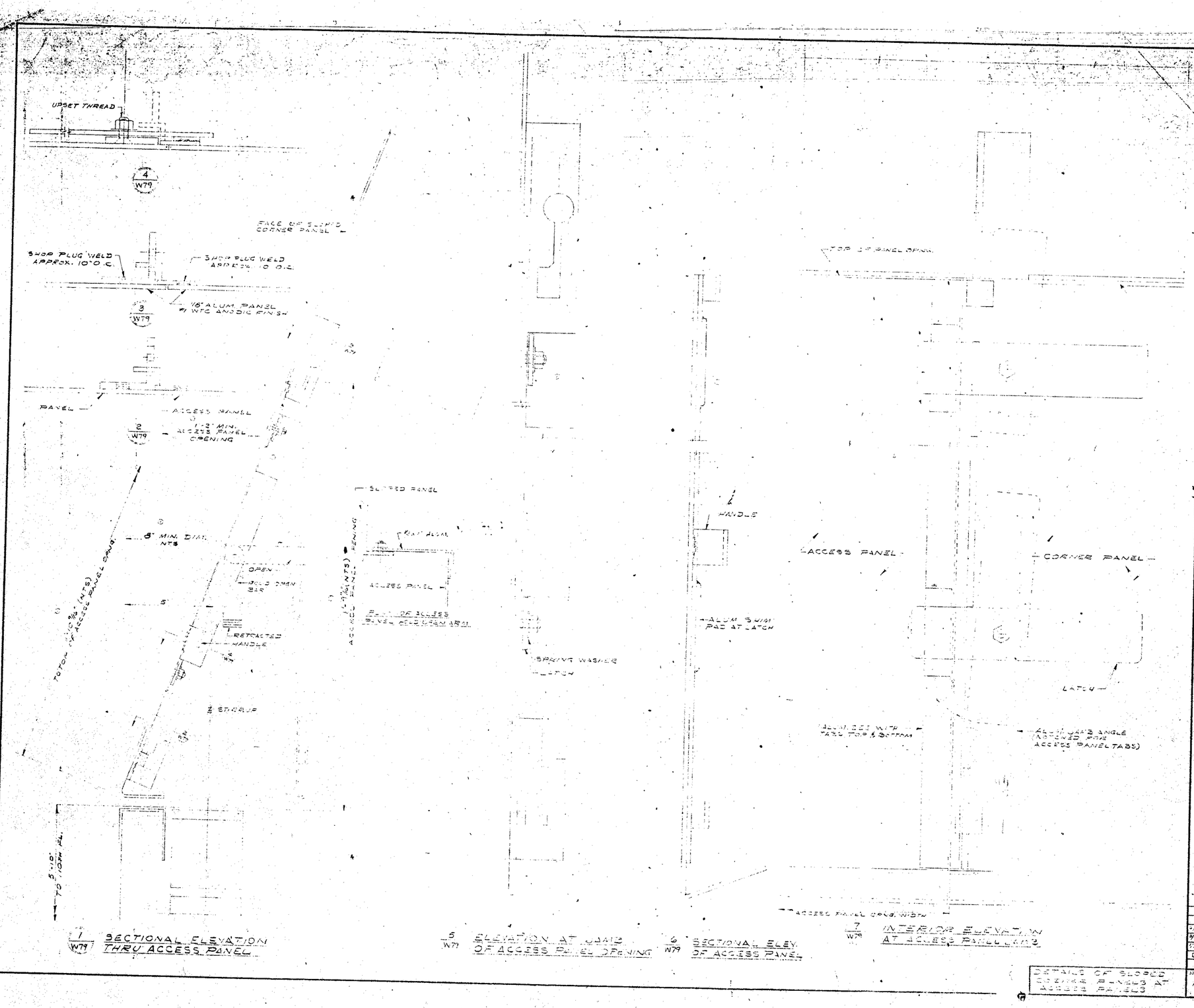
DATE	PRINTS	TO	FOR
9/26/72	3 PRINTS	CMD-WTC	ERECTION
9/20/72	1 REPRO 1 BRN'A	TISHMAN	RECORD
8/21/72	2 PRINTS	ALCOA CHARLES	PRELIMINARY ERECTION
4/27/72	1 REPRO 1 BRN'A	TISHMAN	APPROVAL
4/3/72	1 REPRO 1 BRN'A	TISHMAN	APPROVAL
2/21/72	1 REPRO 1 BRN'A	TISHMAN	APPROVAL
1/6/72	1 REPRO 1 BRN'A	TISHMAN	APPROVAL

PRINT RECORD

PLAN SECTIONS

JOB NUMBER AB 71000

SHEET W78



1/W79 SECTIONAL ELEVATION THRU ACCESS PANEL

5/W79 ELEVATION AT JAMB OF ACCESS PANEL OPENING

6/W79 SECTIONAL ELEV. OF ACCESS PANEL

7/W79 INTERIOR ELEVATION AT ACCESS PANEL JAMB

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.00
BULLETIN 1

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	REVISIONS DESCRIPTION
2	12/6/71	JLL	ADD ZIPPER DETAIL & SHEET NO.
3	12/13/71	MW	ADD JAMB

DRAWN J.L. LINSIN
DATE 12-14-71
CHECKED

ALCOA CUPPLES PRODUCTS

CURTAIN WALL TOWERS A & B

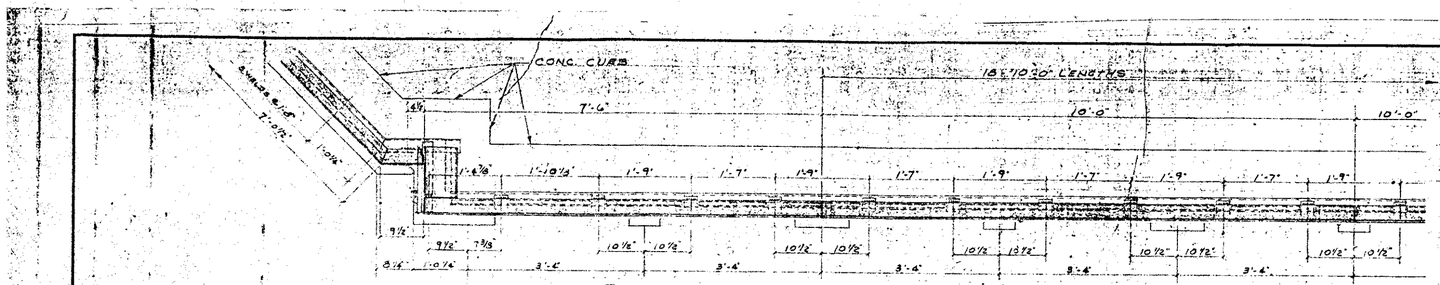
APPROVED & RELEASED FOR CONSTRUCTION TRANSMITTAL OF 1-25-72

DATE	PRINTS	TO	FOR
1/25/72	5	TENANT	RECORD
2/11/72	5	A. EPSTEIN & SONS	APPROVAL
2/14/72	2	POINTING & CLEANING CONTRACTOR	APPROVAL

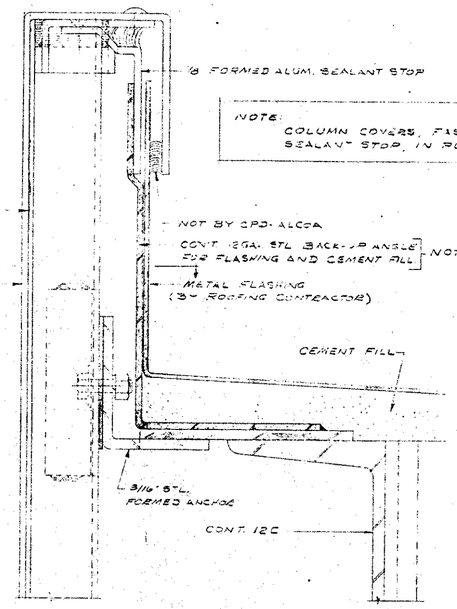
PRINT RECORD

DETAILS OF SLOTTED CURTAIN PANELS AT ACCESS PANELS

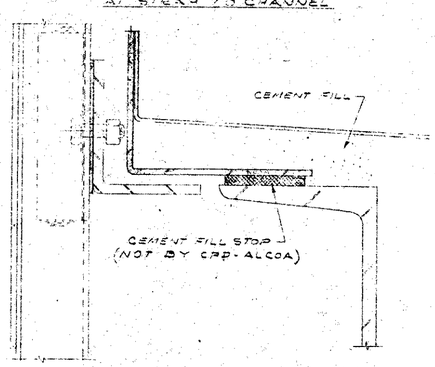
JOB NUMBER AB 71500
SHEET W7/3 OF



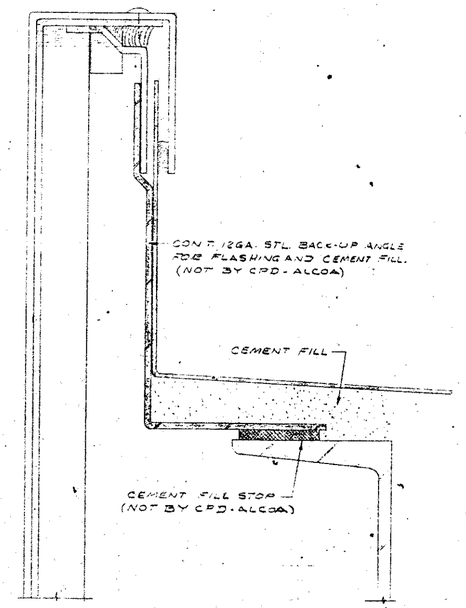
G / W30 PLAN
SHOWING BACK-UP ANGLE LENGTHS AND WELD SPACINGS



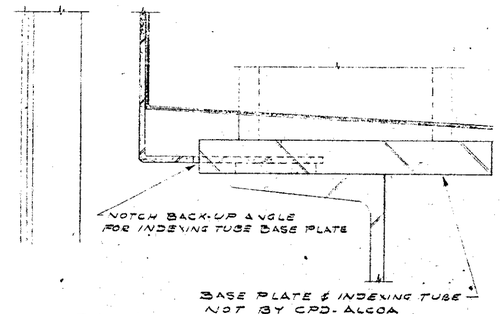
1 / W30 SECTION THRU FASCIA AT COLUMN COVER ANCHOR AT STEAD TO CHANNEL



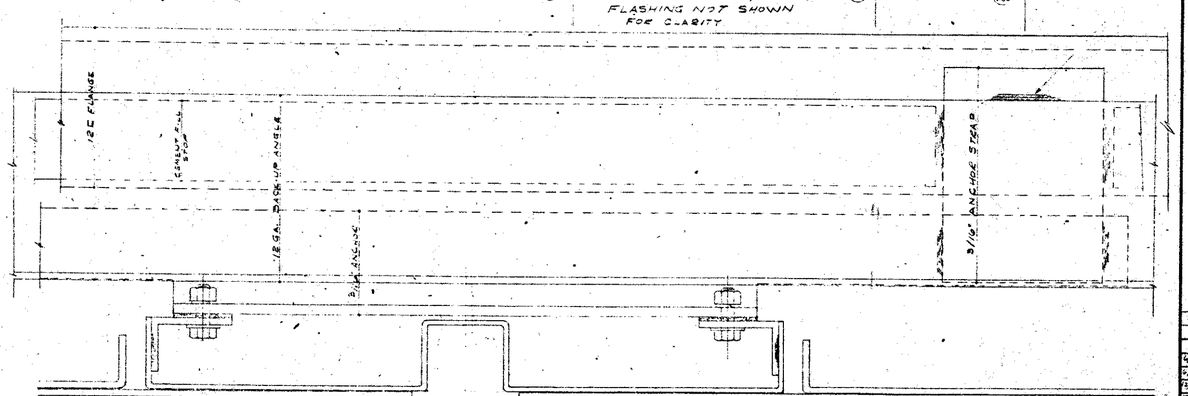
2 / W30 SECTION THRU FASCIA AT COLUMN COVER ANCHOR WHERE STRIP DOES NOT OCCUR



3 / W30 SECTION THRU FASCIA AT PANEL BETWEEN COLUMN COVERS



5 / W30 DETAIL AT INDEXING TUBE BASE PLATE



4 / W30 PLAN OF FASCIA AND 12" COLUMN COVER SHOWING ANCHOR, BACK-UP ANGLE & 12C

DETAILS AT FASCIA SHOWING BACK-UP ANGLE

JOB NAME
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC 400.02
BULLETIN
ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

NO.	DATE	BY	DESCRIPTION
1	1/14/74	VJG	CHANGE 'B' COVER
2	1/24/74	VJG	CHANGE BACK SEWER

DRAWN J.E. LIVSIN
DATE
CHECKED

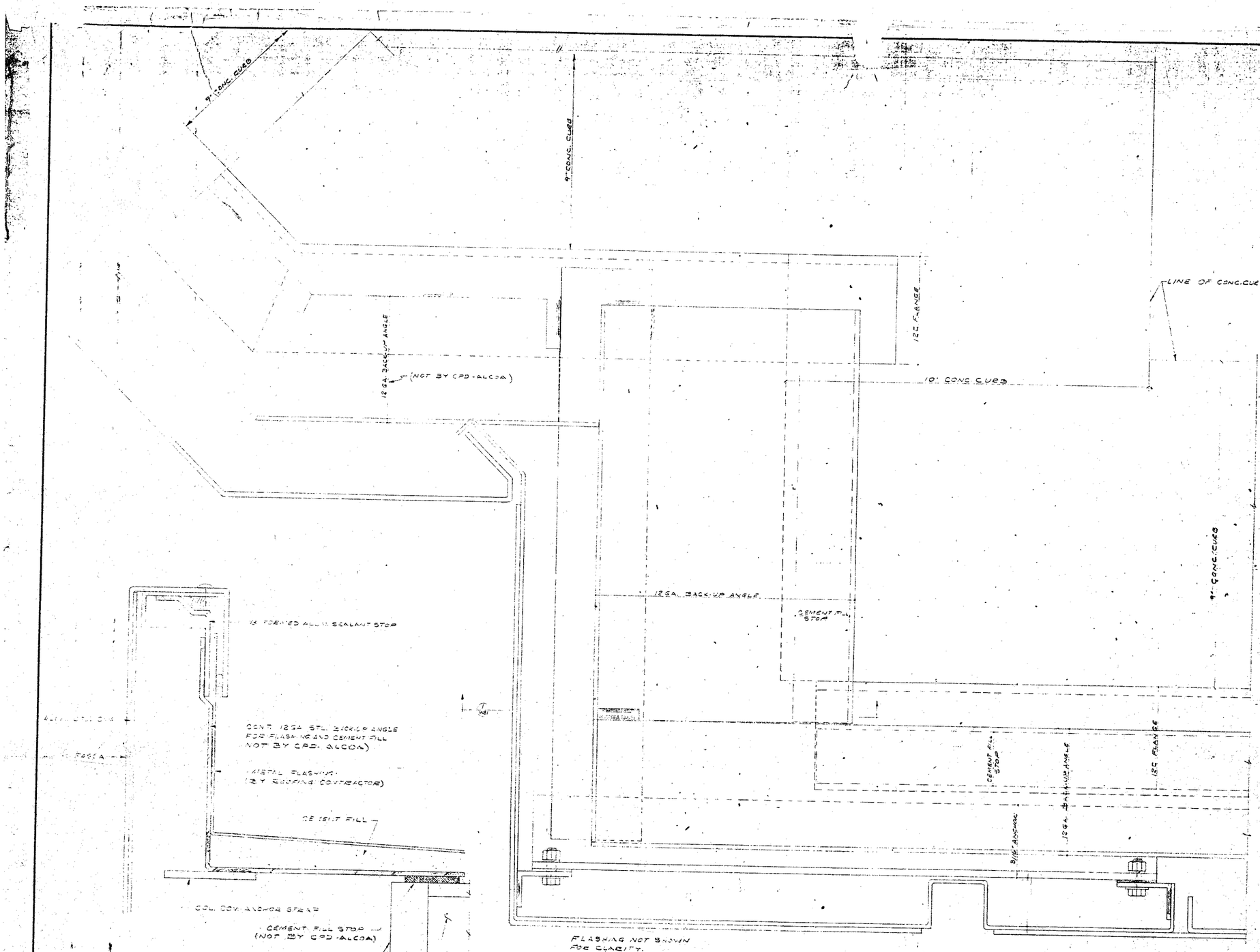
ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN TRANSMITTAL OF 1-9-73 ⑤

DATE	PRINTS	TO	FOR
4/24/73	7PRINTS	CPD-WTC	ERECTION
4/26/73	10PRINTS	TISHMAN	RECORD
12/17/73	C/F W/E	ANCHOR COLLINS	PRELIMINARY REFERENCE
12/27/73	10 PRINTS & 1 SEPIA	TISHMAN	APPROVAL

PRINT RECORD

JOB NUMBER AB 71000
SHEET W30 OF



1/W81 SECTION THRU FASCIA AT SIDE OF COLUMN COVER

2/W81 PLAN OF FASCIA AND CORNER COLUMN COVER SHOWING ANCHOR, BACK-UP ANGLE AND 12C

DETAILS AT FASCIA SHOWING BACK-UP ANGLE AT CORNER COLUMN COVER

The Towers
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
CONTRACT WTC-400.00
BULLETIN

ARCHITECT
MINORU YAMASAKI & ASSOC.
EMERY ROTH & SONS

REVISIONS				DRAWN
NO.	DATE	BY	DESCRIPTION	J. Wu LIN S/N
1	9/11/73	ALL	AS PER ADDENDUM	DATE
2	9/11/73	ALL	AS PER ADDENDUM	
				CHECKED

ALCOA CUPPLES PRODUCTS
CURTAIN WALL TOWERS A & B

APPROVED: REF. TISHMAN
TRANSMITTAL OF 1-9-73
3

DATE	PRINTS	TO	FOR
6/11/73	7 PRINTS	CPD-WTC	SELECTION
9/11/73	10 PRINTS 1 REPRO	TISHMAN	RECORD
9/17/73	2 PRINTS	ALCOA CUPPLES	PRELIMINARY FABRICATION
9/27/73	1 PRINT 1 REPRO	TISHMAN	APPROVAL
PRINT RECORD			

JOB NUMBER A3 71000
SHEET W81 OF

VESEY STREET

LINE OF EXTENT OF WATERPROOFING

SEE DWG A-WP-2

SEE DWG A-WP-3

U.S. CUSTOM HOUSE

NORTHEAST PLAZA BUILDING

TOWER A

WEST STREET

SEE DWG A-WP-4

SEE DWG A-WP-4

SEE DWG A-WP-3

SEE DWG A-WP-3

HUDSON STREET

HOTEL

TOWER B

SOUTHEAST PLAZA BUILDING

LINE OF EXTENT OF WATERPROOFING

SEE DWG A-WP-4

SEE DWG A-WP-5

LIBERTY STREET

LINE OF EXTENT OF WATERPROOFING

NOTE

ALL BUILDINGS NOT DATED ARE IN PROCESS OF COMPLETION

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y. 10017

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	REVISIONS	BY
6	2-4-74	P. 27	TR
5	7-25-73	P-19	PL
4	4-26-73	P-24	PL
3	11-30-72	P-18	A/I
2	1-19-72	P-1	GA
1	10-6-71	—	MAJ

NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

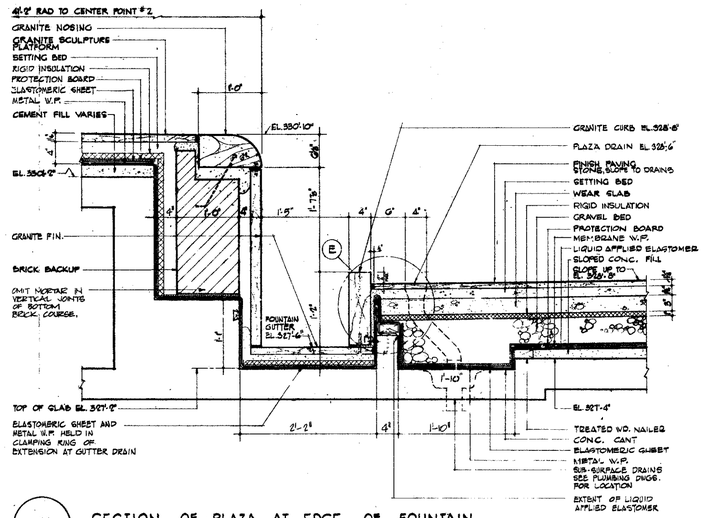
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

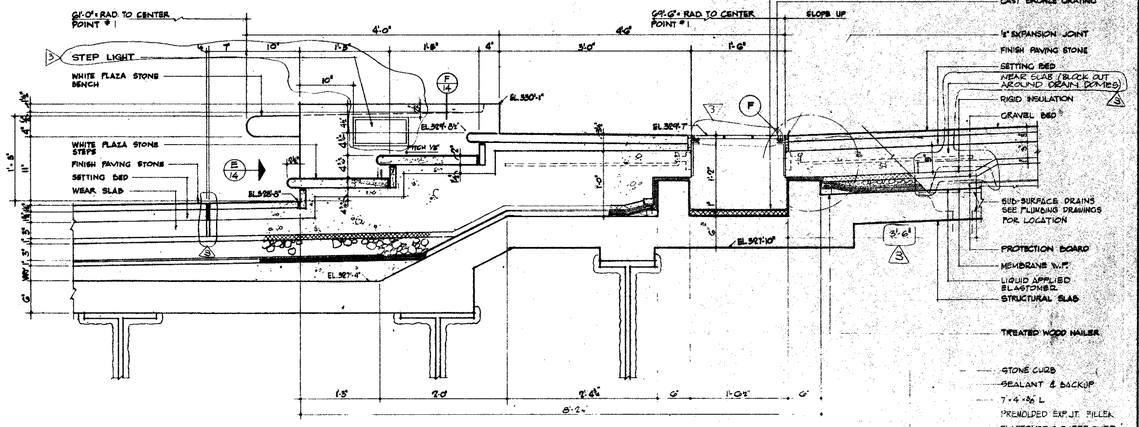
TITLE: WATER PLAN FOR PAVING, LIGHTING & WATERPROOFING AT ELEV. 30'-0" & 31'-0"

SCALE: 1/16"=1'-0" DATE: 7-1-71

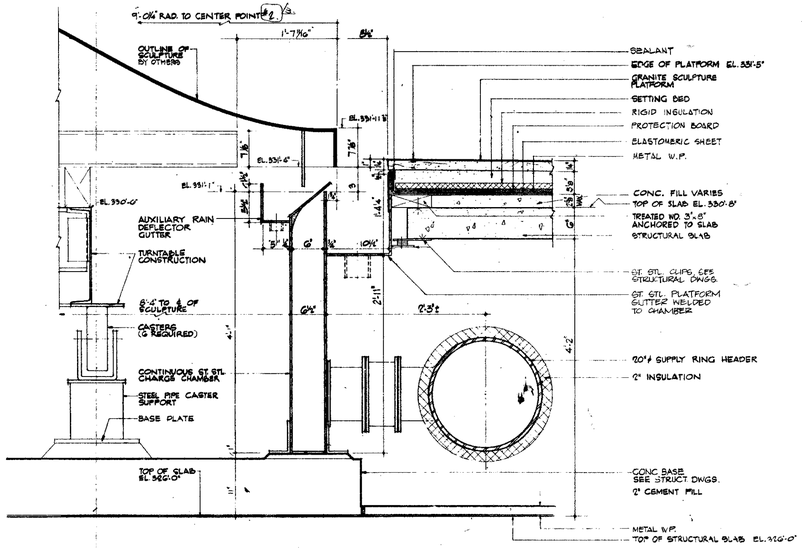
DRAWING NO. A-WP-1



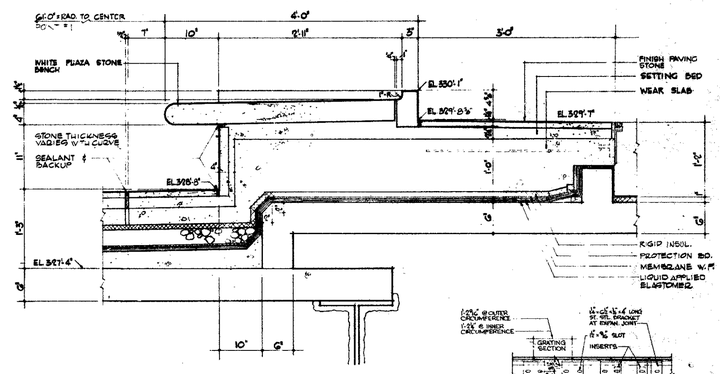
C SECTION OF PLAZA AT EDGE OF FOUNTAIN



D SECTION THRU. PLAZA STEPS

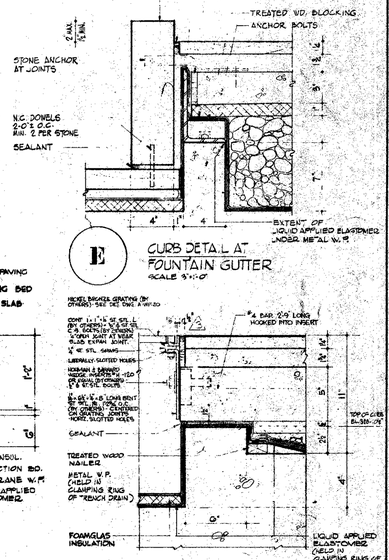


A SECTION THRU TRENCH DRAIN AT EDGE OF SCULPTURE



B SECTION THRU PLAZA BENCH

G DETAIL @ GRATING BRACKETS
SCALE: ½" = 1'-0"



E CURB DETAIL AT FOUNTAIN GUTTER
SCALE: 3"=1'-0"

F TYPICAL GUTTER CURB & GRATING FRAME
SCALE: 3"=1'-0"

RECEIVED
SEP 26 1994

LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	4-23-71	P-25	S.D.
2	5-17-71	P-1	M.C.
3	10-6-71	—	R.K.A.

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

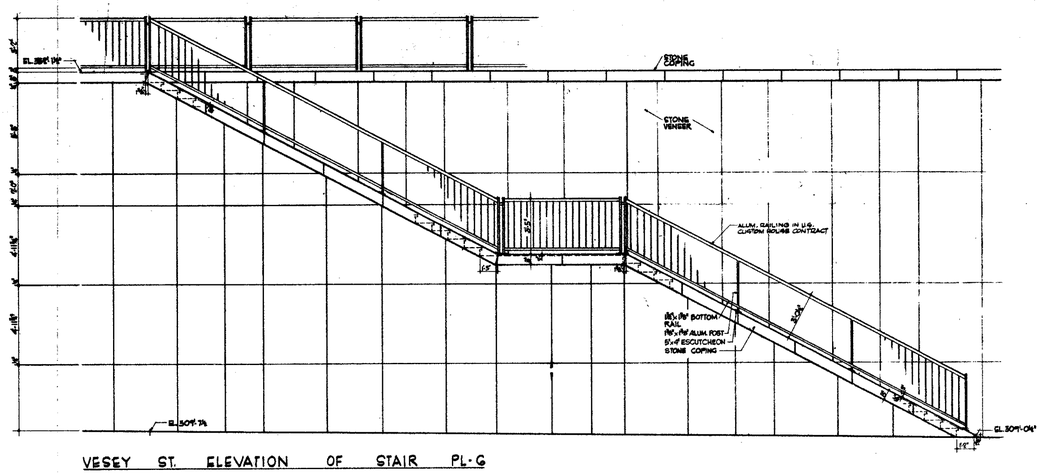
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

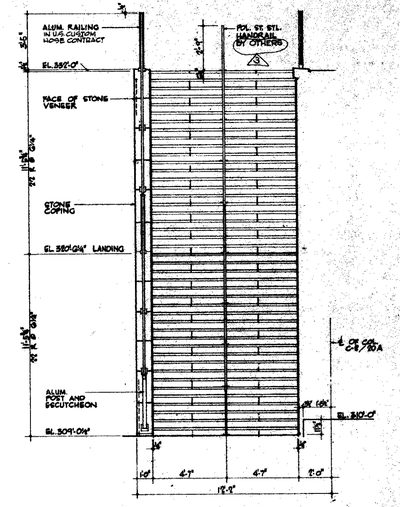
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING AND PAVING DETAILS AT PLAZA STEPS, BENCH AND FOUNTAIN DRAINS

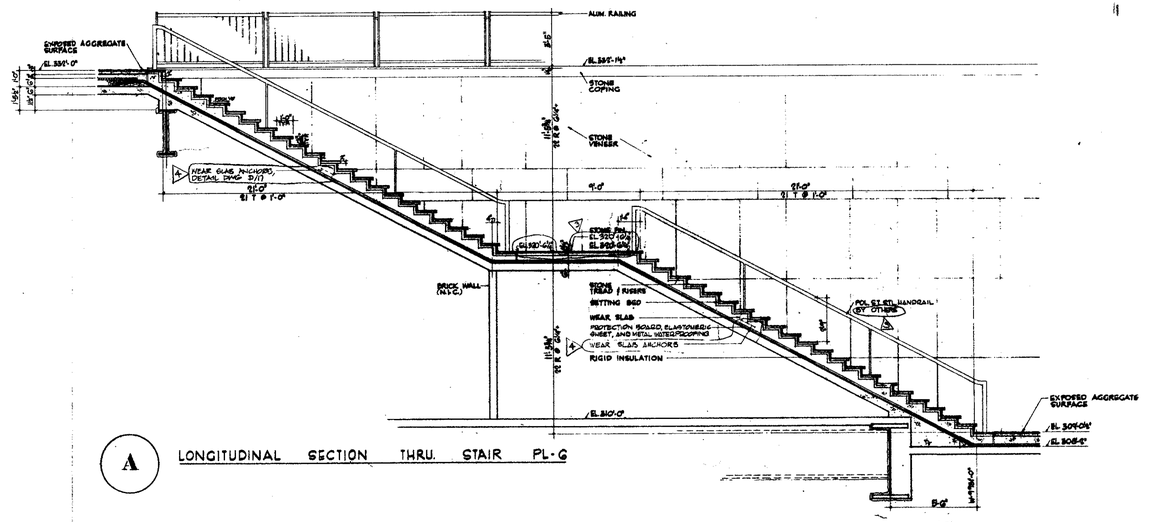
DRAWN	H.BELTON	CHECKED	
SCALE	1½"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	2 · WP · 10		



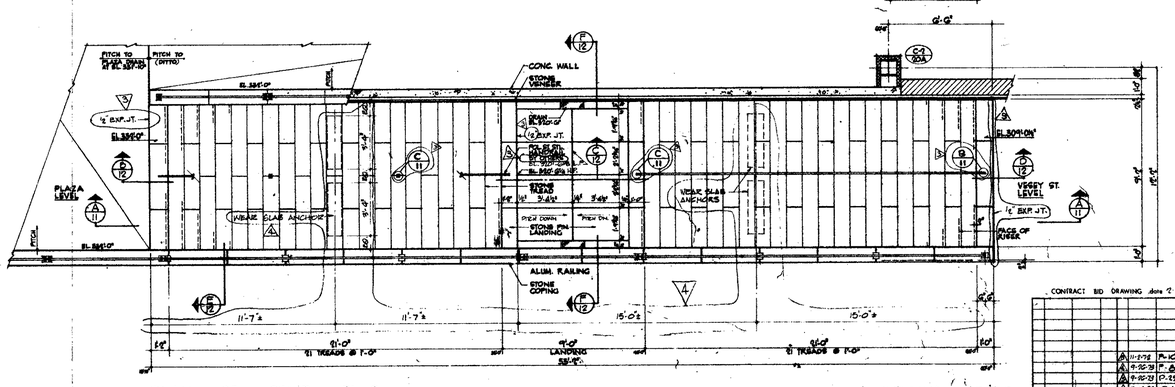
VESEY ST. ELEVATION OF STAIR PL·G



FRONT ELEVATION OF STAIR PL·G

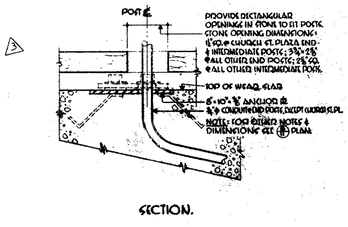


A LONGITUDINAL SECTION THRU. STAIR PL·G

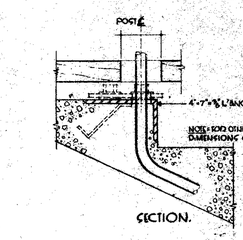


PLAN OF STAIR PL·G

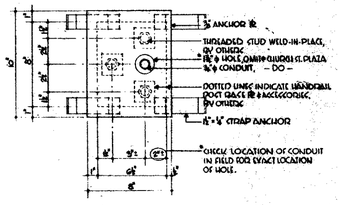
BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.



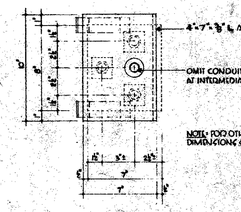
SECTION.



SECTION.



PLAN.



PLAN.

B POST ANCHOR DETAILS TYPE A

3'-1'-0" FOR ALL POSTS AT CHURCH ST. PLAZA AND FOR BOTTOM POSTS AT ALL FRONT OF STAIRS, PL-1,2,3,4,6&7.

C POST ANCHOR DETAILS TYPE B

3'-1'-0" FOR TOP POSTS AT ALL BANKS AND ALL INTERMEDIATE POSTS OF STAIRS PL-1,2,3,4,6&7.

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 48th ST., N.Y., N.Y. 10017

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	ISSUE NO.	BY
1	11-1-70	P-10	A.C.
2	1-15-71	P-8	G.G.
3	2-10-71	P-15	S.D.
4	5-15-72	P-1	V.K.D.
5	10-6-71	—	L.F.T.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

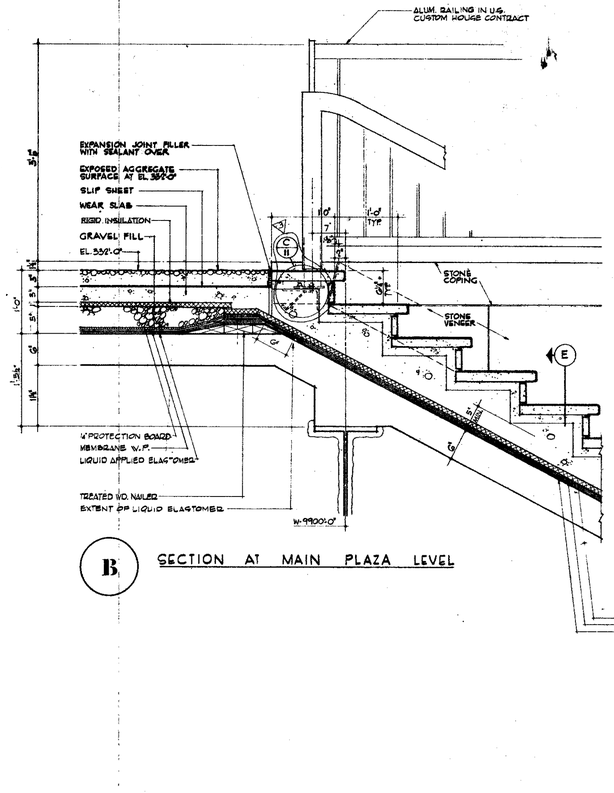
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

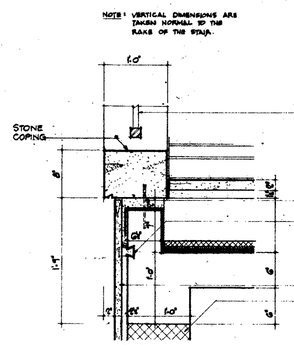
TITLE: STAIR PL·G

DRAWN	H. SKELTON	CHECKED	
SCALE	1/8" = 1'-0"	DATE	2-1-71
DRAWING NUMBER		SHEET	OF

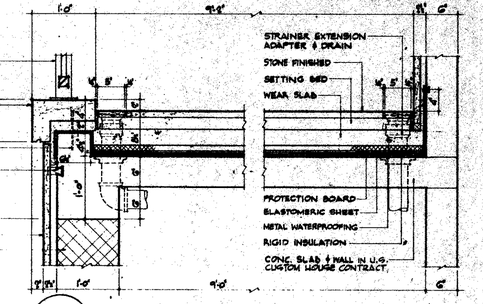
DRAWING NUMBER: A-WP-11



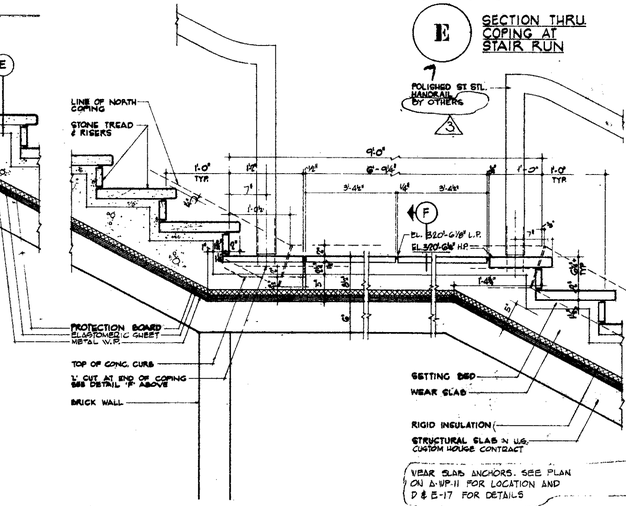
B SECTION AT MAIN PLAZA LEVEL



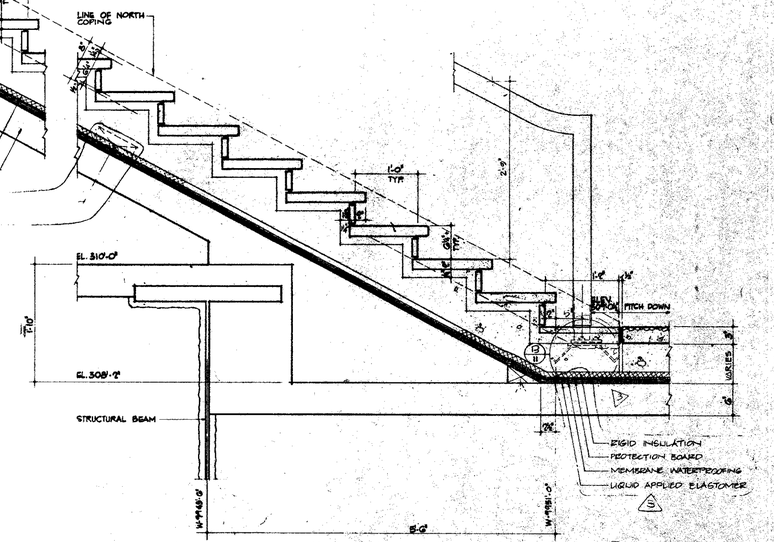
E SECTION THRU COPING AT STAIR RUN



F CROSS SECTION THRU. LANDING



C SECTION THRU. LANDING



D SECTION AT VESEY ST. LEVEL

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SEP 26 1994
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211 E. 46th ST., N.Y., N.Y.C. 10017

BULLETING NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	BULL. NO.	BY
△	11-25-70	P-6	DR
△	11-2-70	P-10	LC
△	12-22-70	P-25	DR
△	5-3-72	P-1	SA
△	8-3-71	—	DRA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

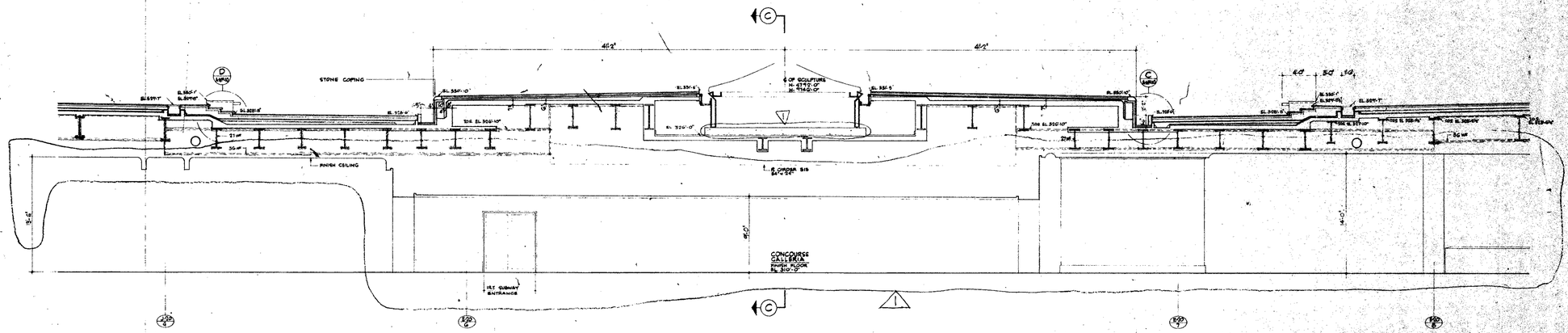
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

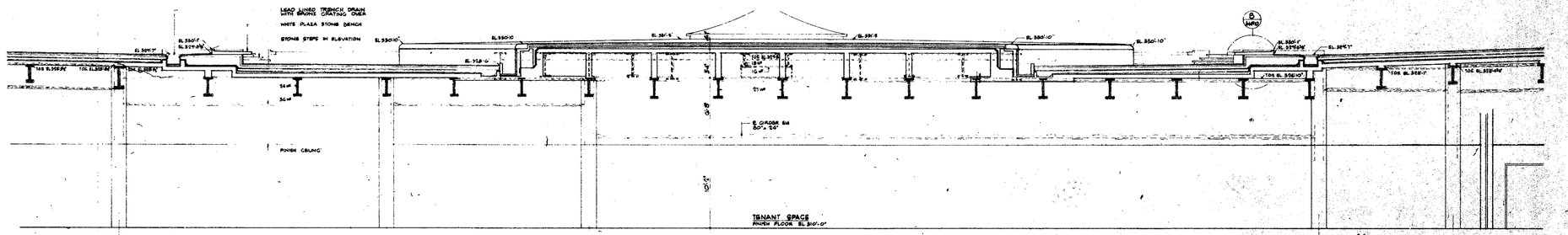
MINORU YAMASAKI & ASSOCIATES · MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS · RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON · STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES · MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES · ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY · PAVING, UTILITIES, FOUNDATIONS

TITLE: STAIR - PL-G

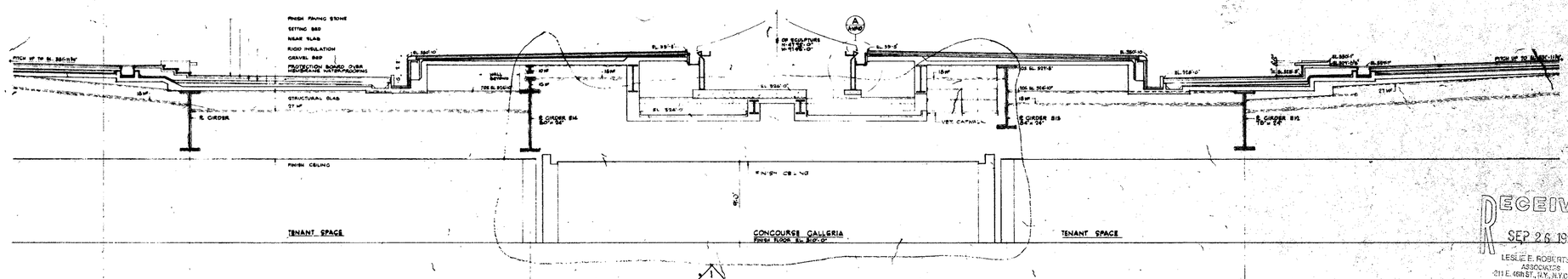
DRAWN	H. BELTON	CHECKED	
SCALE	1/4"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-12		



A SECTION LOOKING NORTH



B SECTION LOOKING NORTH



C SECTION LOOKING WEST

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

1 CONFORMED BID DRAWING date 2-1-71

NO.	DATE	REVISIONS	BY
1	5-19-72		LMD

APPROVED
CHIEF, PLANNING DIVISION
DATE

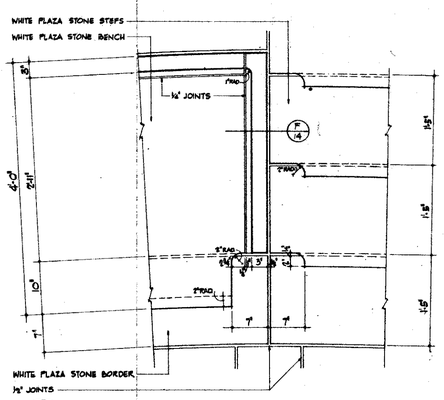
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

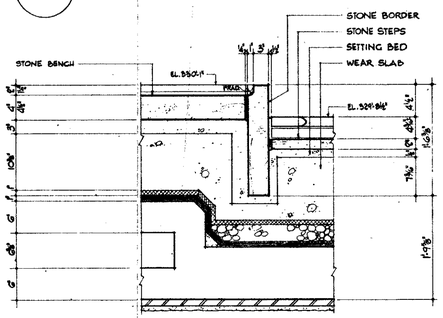
MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING SECTIONS THROUGH PLAZA STEPS, BENCH, DRAIN & FOUNTAIN

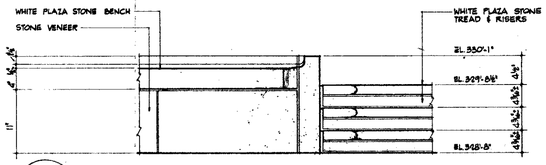
DRAWN	M.DELTON	CHECKED	
SCALE	1/8" = 1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-15		



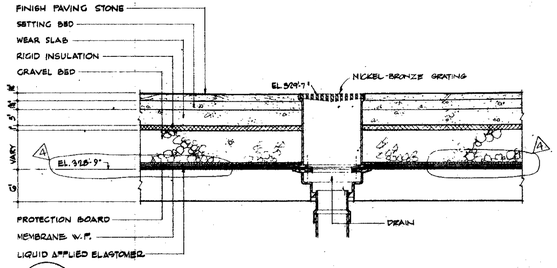
G PARTIAL PLAN OF PLAZA BENCH AND STEPS



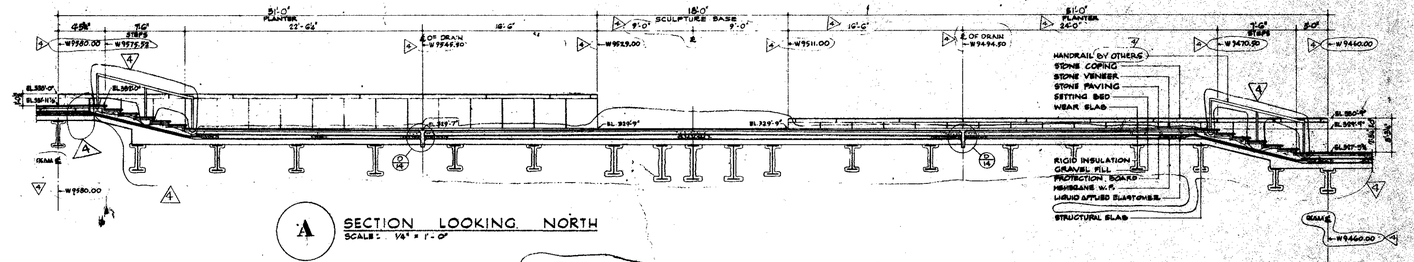
F SECTION THRU BENCH AND STEPS



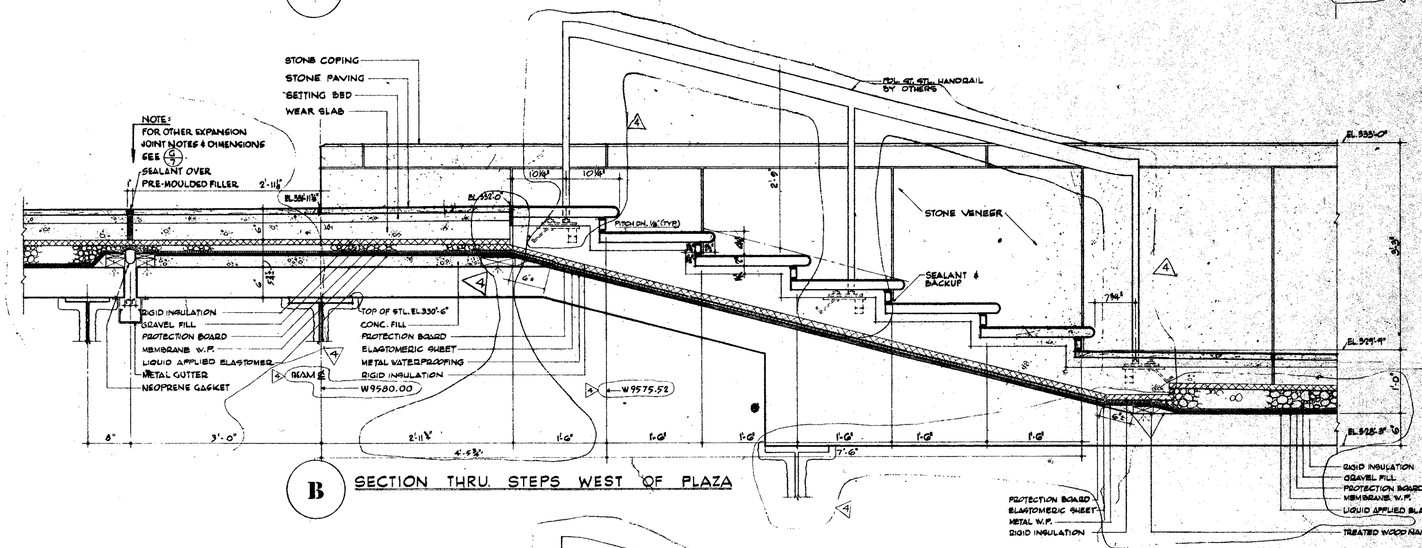
E PARTIAL ELEVATION OF PLAZA BENCH AND STEPS



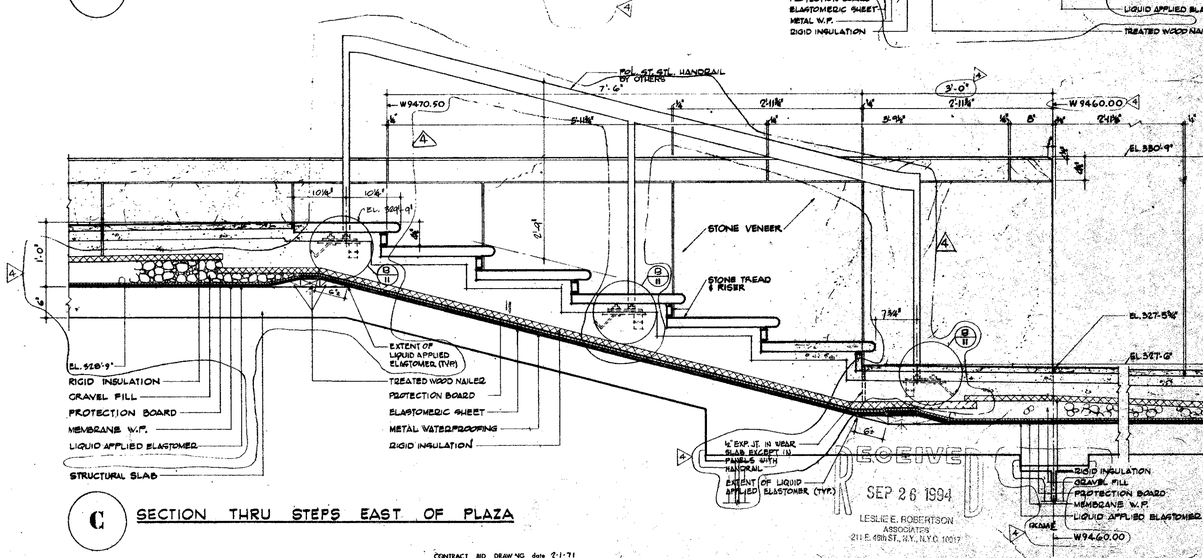
D PLAZA DRAIN



A SECTION LOOKING NORTH
SCALE: 1/8" = 1'-0"



B SECTION THRU STEPS WEST OF PLAZA



C SECTION THRU STEPS EAST OF PLAZA

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211 E. 43rd ST., N.Y., N.Y. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	SKG. NO.	BY

REVISIONS

NO.	DATE	SKG. NO.	BY
A	4-25-73	D-26	G.D.
B	11-1-73	P-10	A.C.
C	6-19-72	P-1	V.K.D.
D	10-6-71	—	R.F.A.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

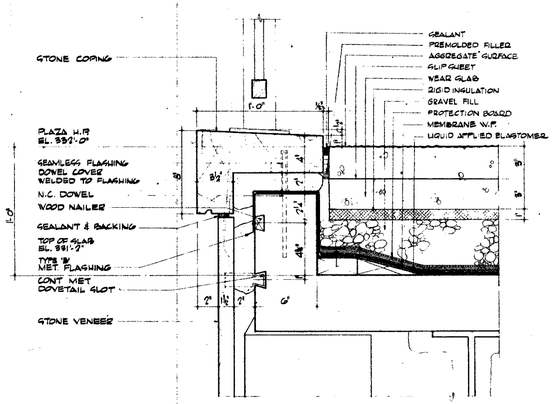
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

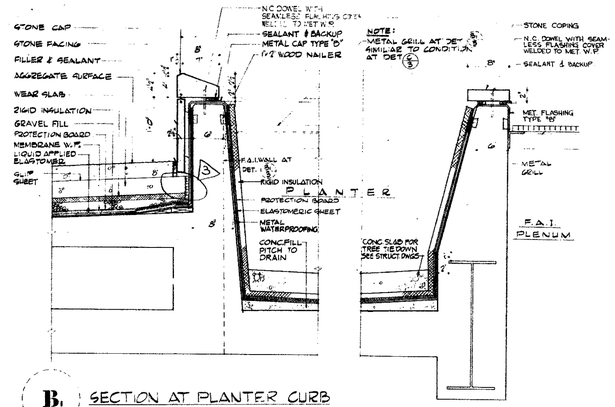
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING AND PAVING DETAILS OF CHURCH ST. PLAZA STEPS, DRAIN AND MAIN PLAZA STEPS.

DRAWN	L.H.SELTON
CHECKED	
SCALE	1½"=1'-0"
DATE	2-1-71
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-WP-14



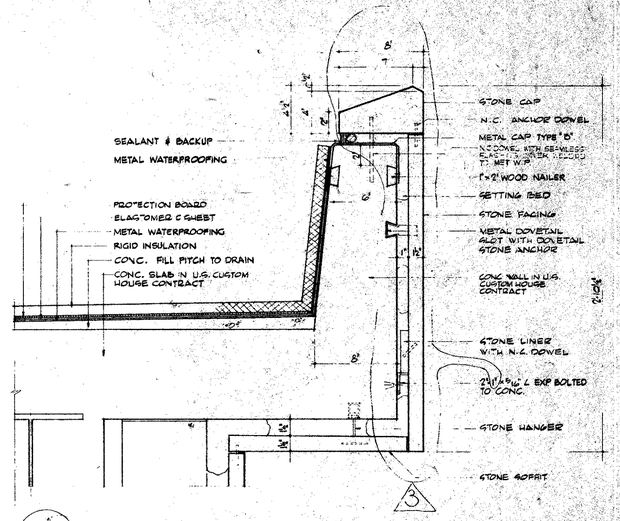
A SECTION THRU STONE COPING
SCALE: 3" = 1'-0"



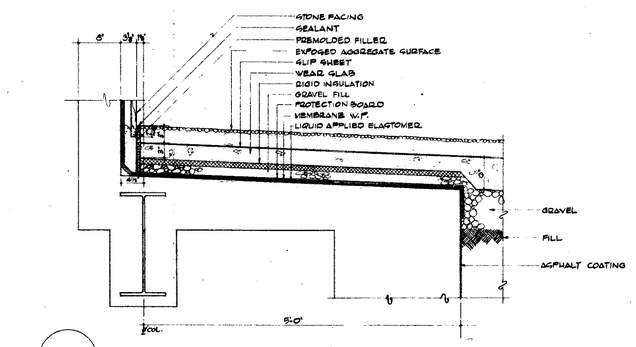
B. SECTION AT PLANTER CURB WHERE F.A.I. OCCURS

B SECTION AT PLANTER CURB
SCALE: 1½" = 1'-0"

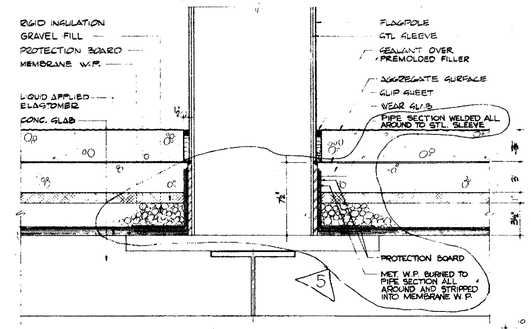
C SECTION AT F.A.I. CURB
SCALE: 1½" = 1'-0"



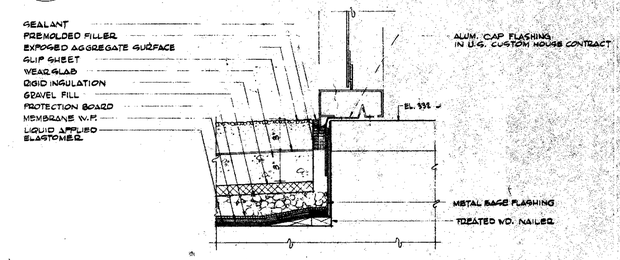
D SECTION AT PLANTER OVERHANG
SCALE: 3" = 1'-0"



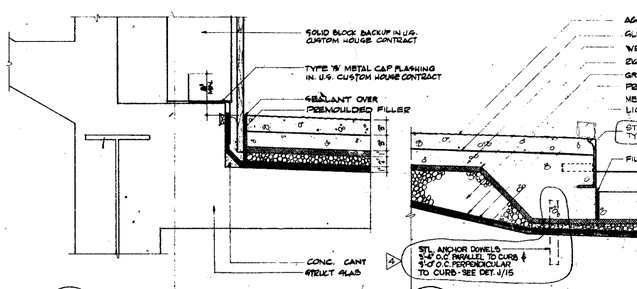
E SECTION AT N.E. PLAZA BLD'G. AT VESEY STREET
SCALE: 1½" = 1'-0"



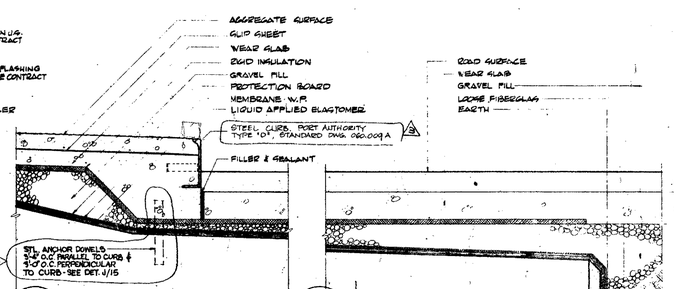
F SECTION AT FLAGPOLE BASE
SCALE: 3" = 1'-0"



H SECTION AT CUSTOM HOUSE PLAZA LEVEL
SCALE: 3" = 1'-0"

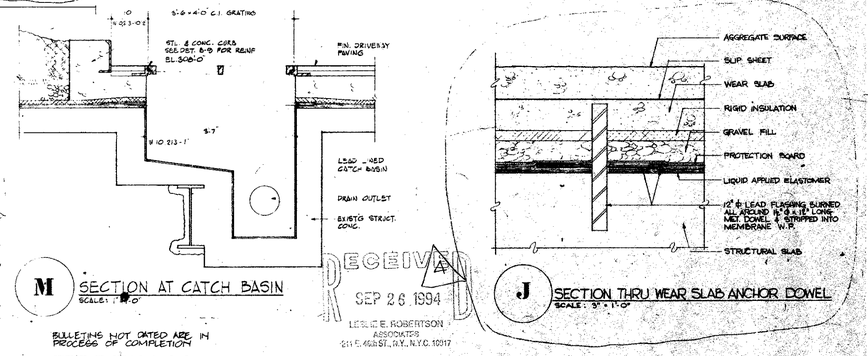


G SECTION AT U.S. CUSTOM HOUSE
SCALE: 1½" = 1'-0"
NOTE: SECTION AT WEST STREET SIMILAR



K SECTION AT CURB

L SECTION AT EDGE OF SUB-GRADE AREA



M SECTION AT CATCH BASIN
SCALE: 1" = 1'-0"

J SECTION THRU WEAR SLAB ANCHOR DOWEL
SCALE: 3" = 1'-0"

BILLETHS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-71

NO.	DATE	REVISIONS	BUL. NO.	BY
6	9-22-73	P. 20		
5	9-22-73	P. 6	S.D.	
4	9-22-73	P. 28	S.D.	
3	8-7-73	P-1	N.O.	
2	8-15-73	—	P.N.	
1				

NO.	DATE	REVISIONS	BUL. NO.	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

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SEP 26 1994
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211 E. 43rd ST., N.Y., N.Y.C. 10017

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MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

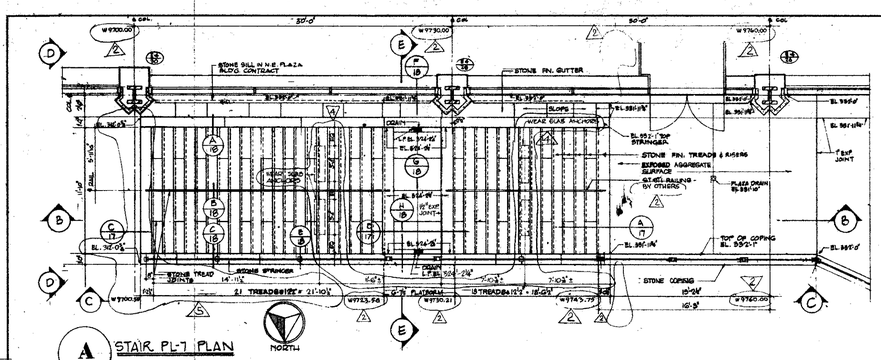
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

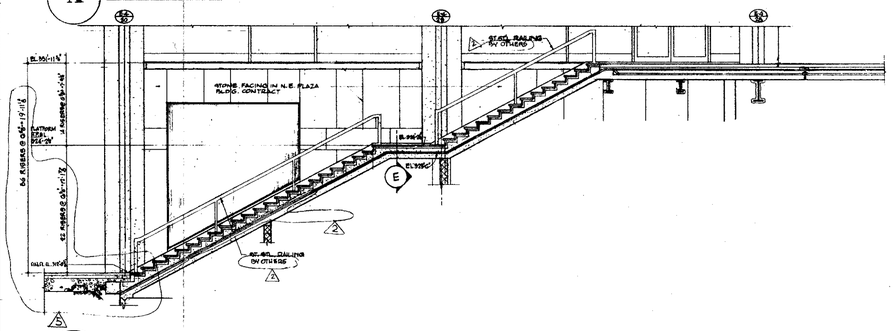
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING DETAILS AT PLAZA LEVEL EL. 33'-0" VESEY STREET AND AT U.S. CUSTOM HOUSE

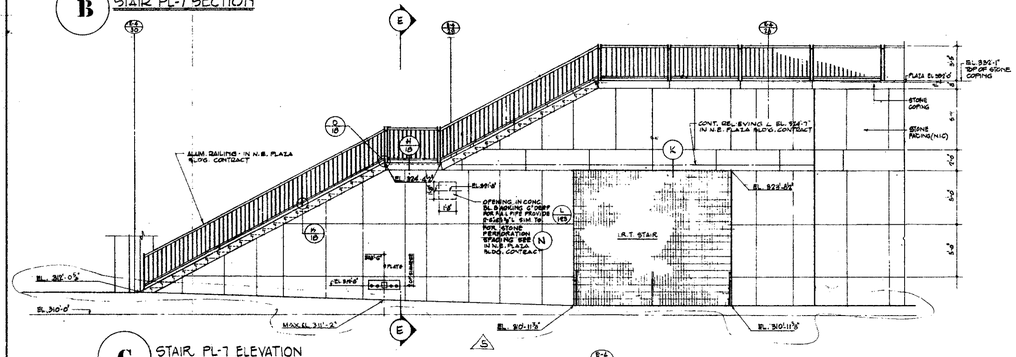
DRAWN		CHECKED	
SCALE		DATE	8-1-71
PROJECT		SHEET	OF
DRAWING NUMBER	A-WP-15		



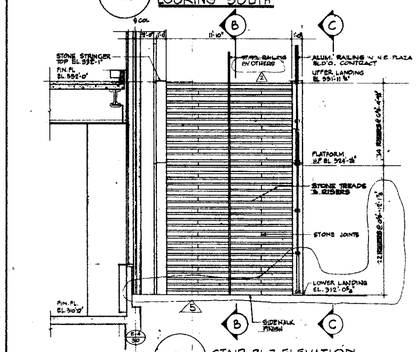
A STAIR PL-7 PLAN



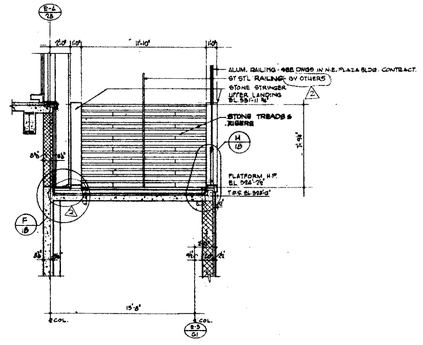
B STAIR PL-7 SECTION



C STAIR PL-7 ELEVATION LOOKING SOUTH



D STAIR PL-7 ELEVATION LOOKING WEST



E STAIR PL-7 SECTION AT PLATFORM

BULLETING NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 2-1-71

NO	DATE	SUB. NO	BY
REVISIONS			
A	8-20-73	P-22	T.F.
A	9-20-73	P-8.1	D.G.
A	11.2.73	P-10	A.C.
A	8-20-75	P-75	A.C.
A	8/17/78	P-1	S.D.

NO	DATE	SUB. NO	BY
REVISIONS			

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CHIEF, PLANNING DIVISION

DATE

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SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
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1/4"-1'-0"

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THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

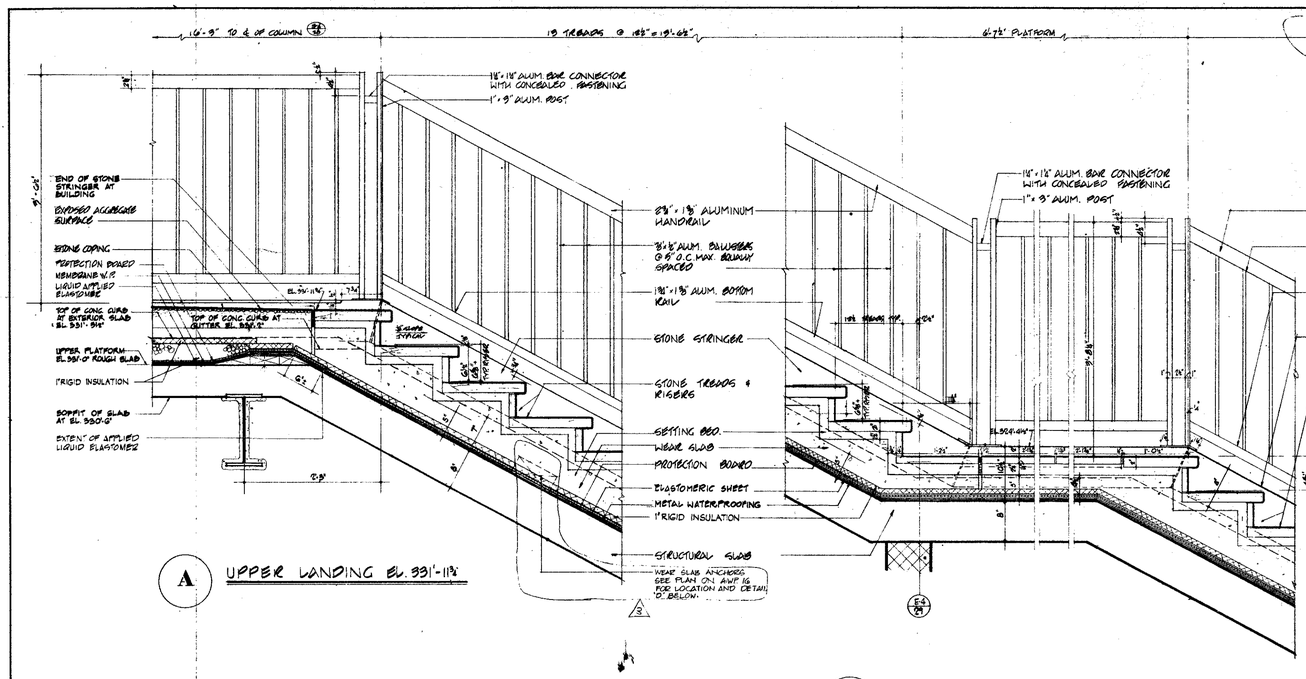
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

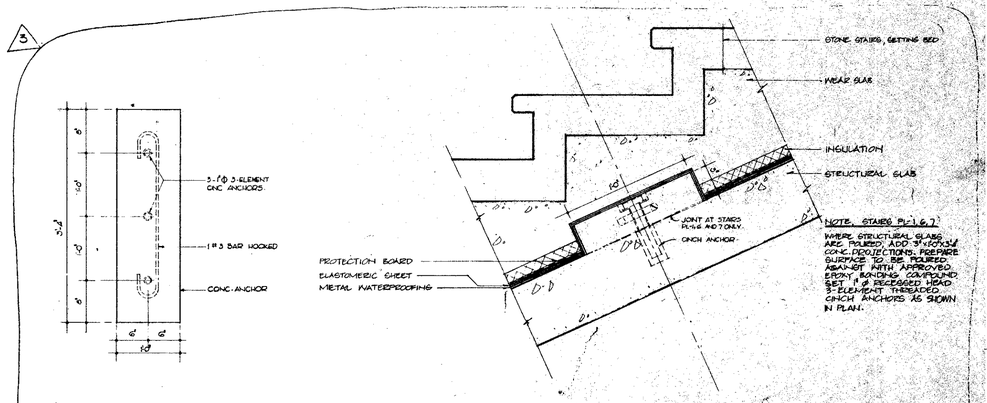
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAYING UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING PLAN ELEVATION & SECTIONS NORTHEAST PLAZA BUILDING STAIR PL-7

DRAWN	CHECKED
SCALE 1/4"=1'-0" & 3/8"=1'-0"	DATE 2-1-71
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	AWP 46





E PLAN OF WEAR SLAB ANCHOR
SCALE: 1½"=1'-0

D DETAIL OF STAIR WEAR SLAB ANCHORS AT STAIRS PL-2,3,4. STAIRS PL-1,6,7 NOTED
SCALE 3/4" = 1'-0"

NOTE:
ALUMINUM RAILING IS IN N.E. PLAZA BUILDING CONTRACT.

CONTRACT BID DESIGNS Date 2-1-71

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
A	9-25-73	P. 25	DO
A	9-25-73	P. 22	TF
A	9-25-73	P. 6	DR
A	6-19-73	P-1	VA.Q
A	10-15-71	—	RRA

REVISIONS

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APPROVED

CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT STATE OF NEW YORK

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y.C. 10017

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MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

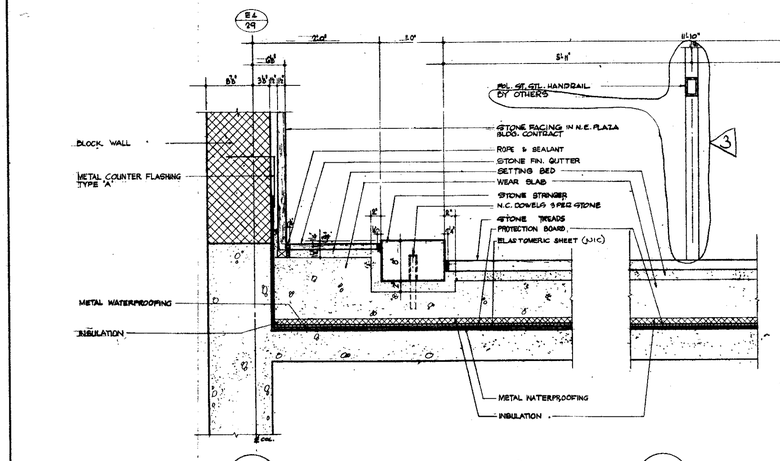
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

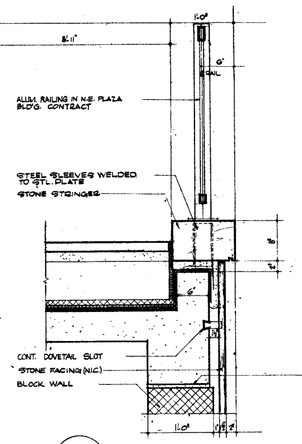
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
WATERPROOFING DETAILS NORTHEAST PLAZA BUILDING STAIR PL-7

DRAWN		CHECKED	
SCALE	1½"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-17		

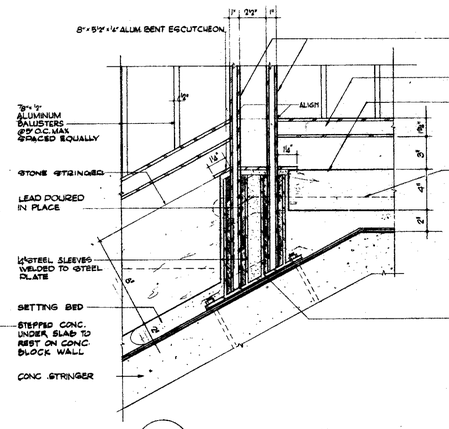


A SECTION THRU GUTTER & TREAD

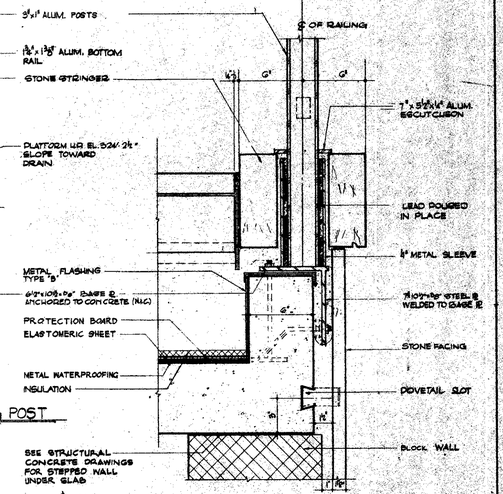


B CENTER RAILING AND TREAD

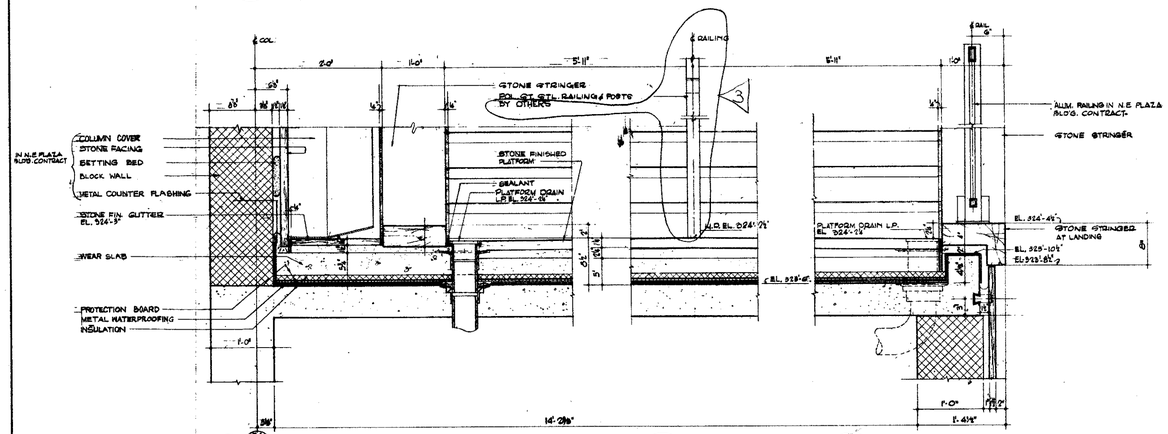
C TREAD, STRINGER AND SIDE RAILING



D SECTION THRU ALUM RAILING POST
SCALE 3"=1'-0"



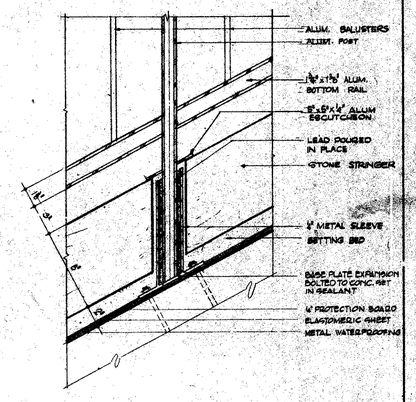
E SECTION THRU ALUM RAILING POSTS
SCALE 3"=1'-0"



F SECTION THRU GUTTER AND PLATFORM

G CENTER RAILING AND PLATFORM

H PLATFORM, STRINGER AND SIDE RAILING



K SECTION THRU ALUM. RAILING INTERMEDIATE POST
SCALE 3"=1'-0"

NOTE:
RAILING AND ITS ATTACHMENT ARE IN N.E. PLAZA BLDG. CONTRACT.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING dated 2-1-71

NO.	DATE	SUB. NO.	BY
3	9-28-71	P-25	G.D.
2	5-13-71	P-1	W.D.
1	10-6-71	—	W.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y., N.Y. C. 10017

1/2"=1'-0" 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 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THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

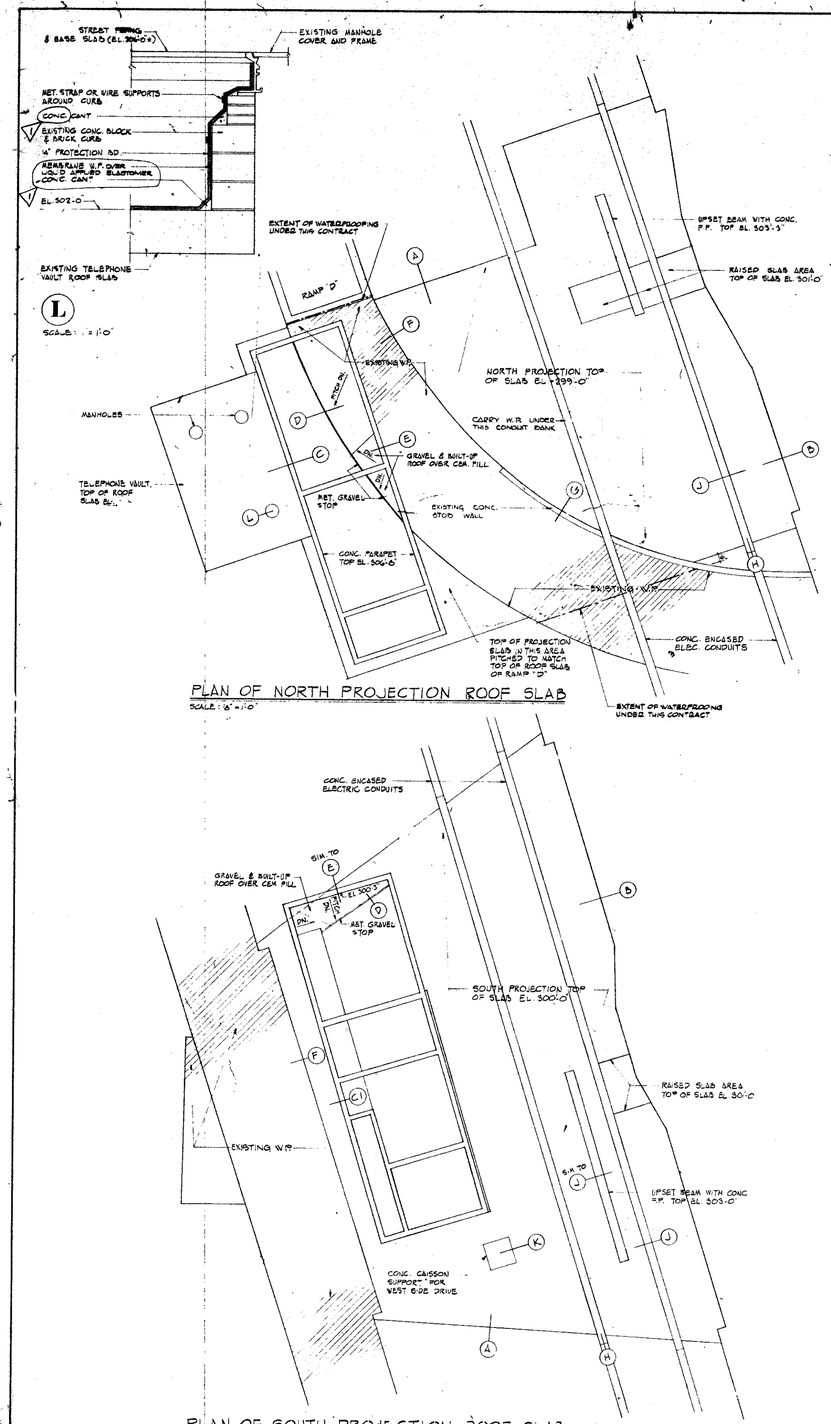
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
WATERPROOFING DETAILS
NORTHEAST PLAZA BUILDING
STAIR PL-7

DRAWING	A. LOLLO & J. MILLER	CHECKED	
SCALE	AS NOTED	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-45		

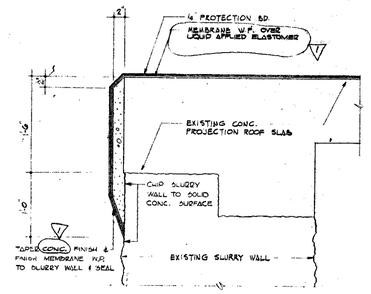


PLAN OF NORTH PROJECTION ROOF SLAB

SCALE: 1/8" = 1'-0"

PLAN OF SOUTH PROJECTION ROOF SLAB

SCALE: 1/8" = 1'-0"



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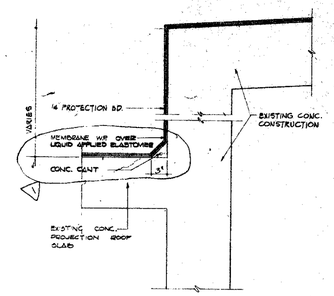

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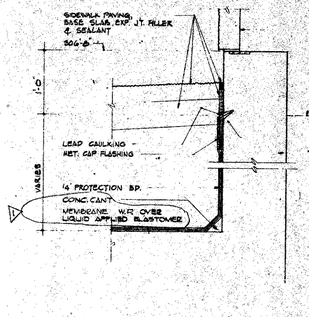
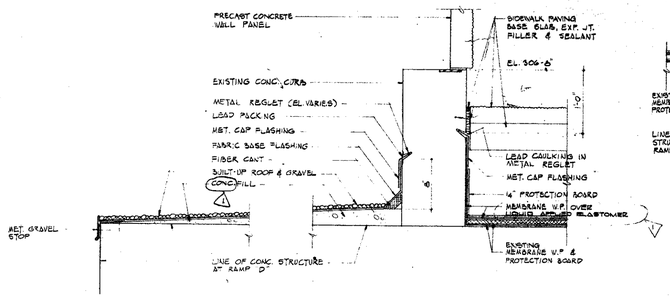


C C1



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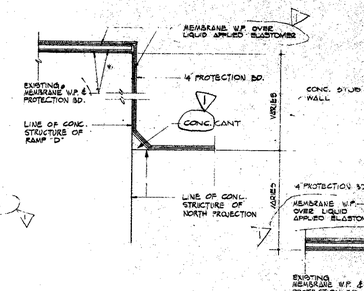

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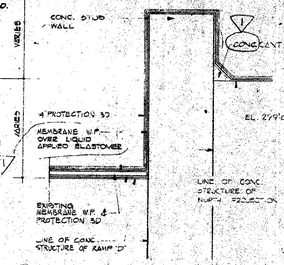

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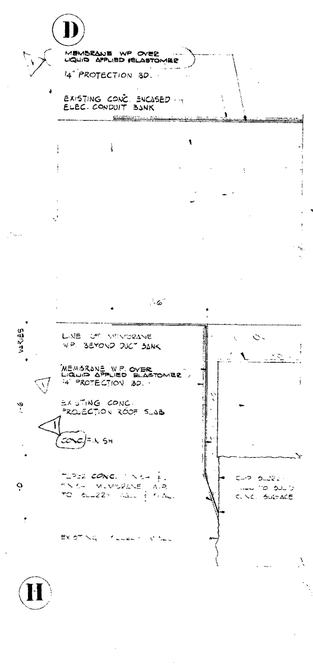

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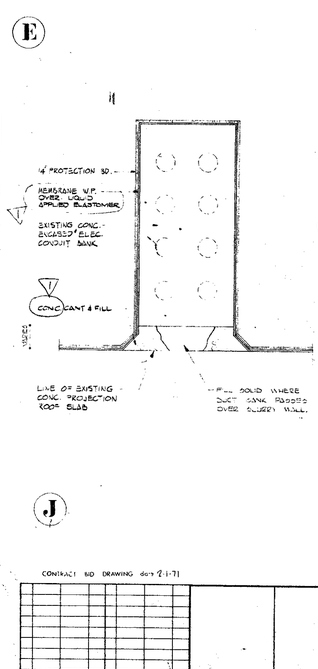

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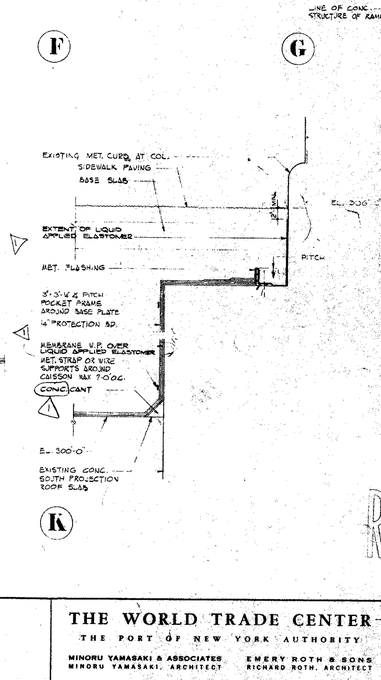


K

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y. N.Y.C. 10017

CONTRACT BID DRAWING dated 2-1-71

NO.	DATE	REVISIONS	BY
1	10-6-71	R.F.A.	

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING AT NORTH AND SOUTH PROJECTIONS

DRAWN	AGC	CHECKED	
SCALE	1/8"=1'-0" & 1/4"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-19		

VESEY STREET

US CUSTOM HOUSE

TOWER A

NORTH

NOTES:
1. ELEVATION AT PERIMETER OF U.S. CUSTOM HOUSE AND NORTHEAST PLAZA BUILDING TO BE EL. 324'-0".
2. ELEVATION AT BASE OF PARAPET COPING TO BE EL. 326'-0" (EXCEPT AS NOTED).
3. ELEVATION AT PERIMETER OF ALL PLANTERS ON PLAZA TO BE EL. 324'-0".
4. ELEVATION OF ALL PLAZA DRAINS TO BE EL. 323'-10".
5. STONE TYPES REFER TO APPROVED STONE SAMPLES.
6. CAP AND FACING ON ALL PLANTERS SHOWN ON THIS SHEET TO BE PARADISO STONE TYPE "D" WITH HONED FINISH.

PLANTER #1
PLANTER #2
PLANTER #3
PLANTER #4
PLANTER #5
PLANTER #6
PLANTER #7

EXTENT OF FLASHING IN U.S. CUSTOM HOUSE CONTRACT

EXTENT OF FLASHING IN NORTHEAST PLAZA BUILDING CONTRACT

EXTENT OF FLASHING IN TOWER "A" CONTRACT

NORTHEAST PLAZA BUILDING

LINE OF EXTENT OF WATERPROOFING

LINE OF SLURRY WALL BELOW

SEE A-WP-1B FOR WATERPROOFING OF NORTH PROJECTION

MATCH LINE SEE DWG # A-WP-4

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	REVISIONS	BY
4	9-20-72	P-13	A.C.
3	9-22-72	P-17	A.C.
2	12-12-72	P-31	D.S.
1	9-20-73	P-35	S.D.
5	11-15-78	P-1	V.K.D.
10	6-12-79		S.M.A.

APPROVED
CH. EP. PLANNING DIVISION
DATE

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLER & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

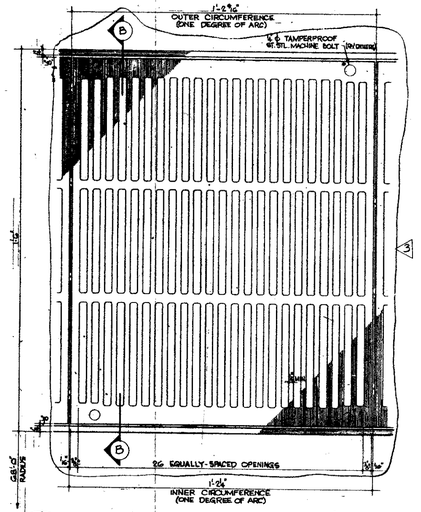
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

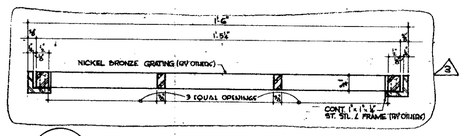
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES FOUNDATIONS

TITLE: WATERPROOFING PAVING PLAN FOR ELEVATIONS 3.00 & 13.20 NORTHWEST SECTION

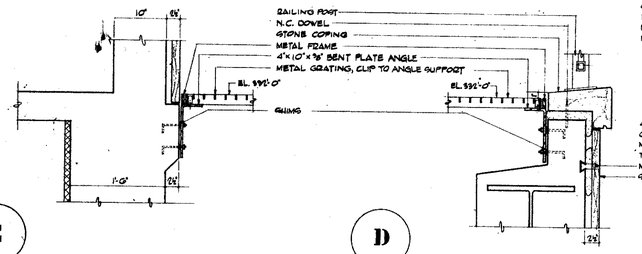
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-2		



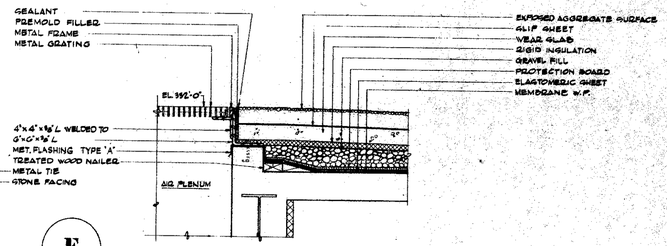
A CIRCULAR DRAIN GRATING AT MAIN PLAZA
HALF FULL SIZE



B SECTION OF DRAIN GRATING
HALF FULL SIZE

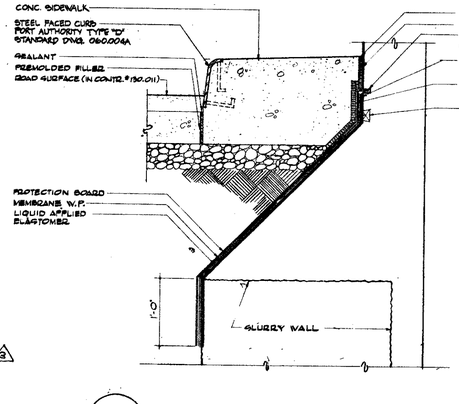


C D

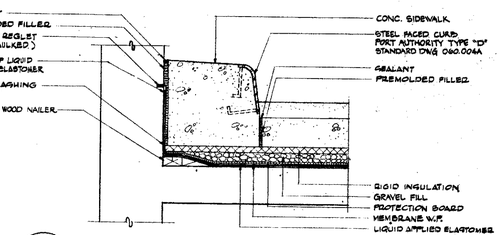


E

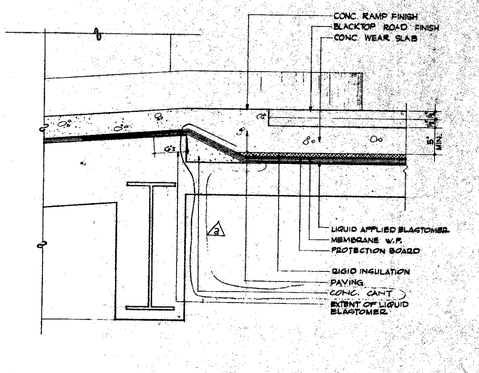
SECTIONS THRU F.A.I. PLENUM GRATING AT HOTEL

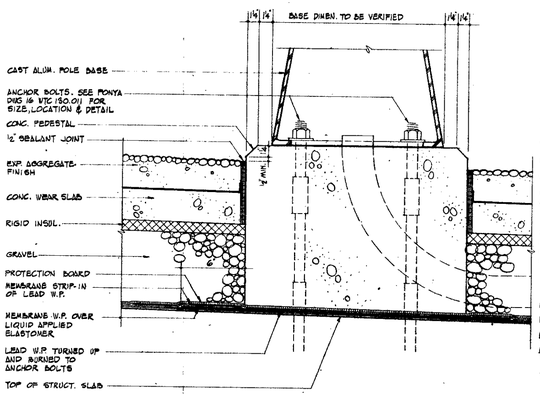


F SECTION AT CURB SOUTH OF RAMP 'H'

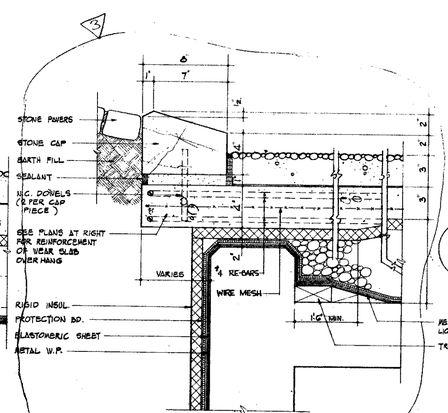


G SECTION AT CURB NORTH OF RAMP 'H'

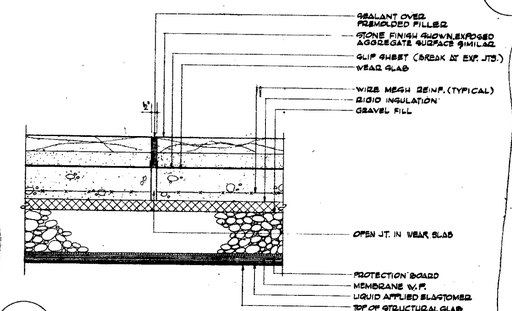




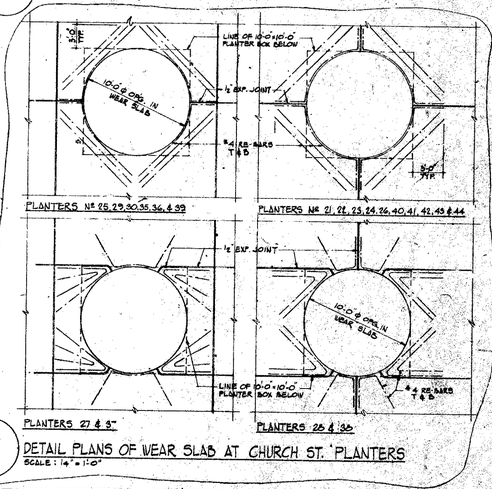
J SECTION AT LIGHT AND SIGNAL POLE IN STREET
SCALE: 3"=1'-0"



L SECTION AT EDGE OF CHURCH ST. PLANTER
SCALE: 3"=1'-0"



K TYPICAL ½" JOINT IN FINISHED PAVING
SCALE: 3"=1'-0"



M DETAIL PLANS OF WEAR SLAB AT CHURCH ST. PLANTERS
SCALE: ¼"=1'-0"

RECEIVED
SEP 26 1974
LESLIE E. ROBERTSON
ASSOCIATES
NEW YORK, N.Y.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	SUBJ. NO.	BY
1	10-23-74	P-9	LC
2	11-22-74	P-19	SD
3	5-19-75	P-1	KAU
4	10-8-75	—	KAU

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

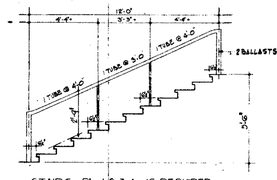
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

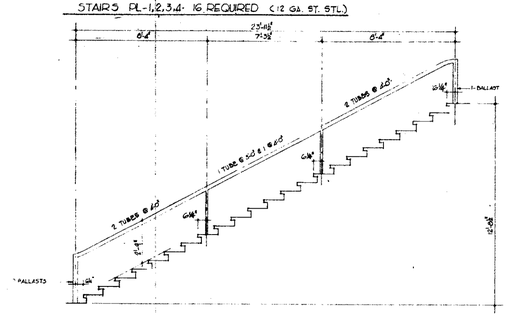
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

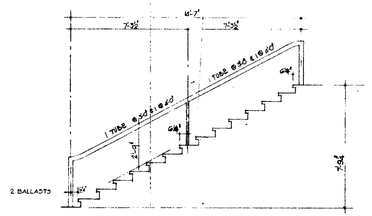
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

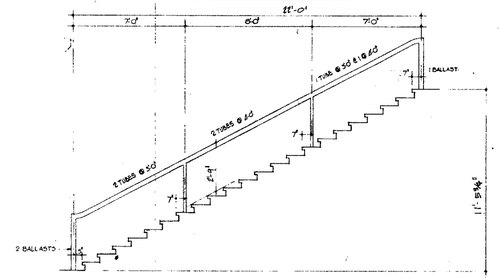
TITLE: MISCELLANEOUS SECTIONS

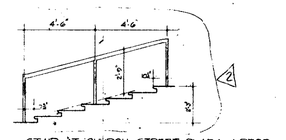
DRAWN	C.F.A.
CHECKED	
SCALE	1/4"=1'-0" AS NOTED
DATE	2-1-71
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A-WP-20



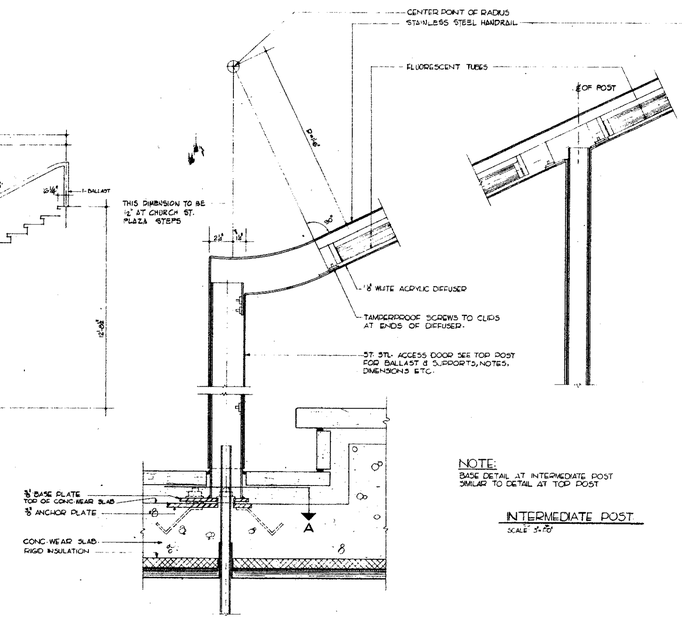








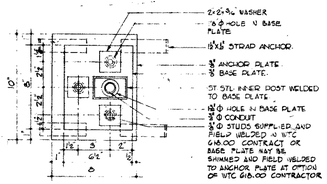
TYPICAL HANDRAIL ELEVATIONS
SC: 1/2"=1'-0"



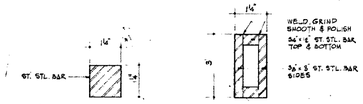
NOTE:
BASE DETAIL AT INTERMEDIATE POST SIMILAR TO DETAIL AT TOP POST

INTERMEDIATE POST
SCALE: 3"=1'-0"

BOTTOM POST
LONGITUDINAL SECTION
SCALE: 3"=1'-0"

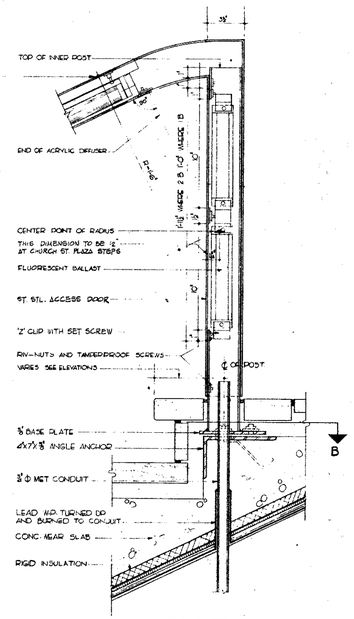


BOTTOM POST
PLAN A
SCALE: 3"=1'-0"

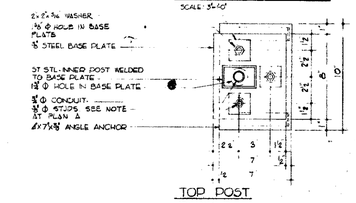


TYPICAL POST — RAIL SECTION

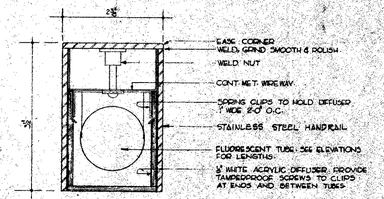
HANDRAIL DETAILS AT CHURCH ST. PLAZA STEPS
SCALE: HALF FULL SIZE
NOTE: BASE DETAILS ARE SIMILAR TO THOSE FOR ILLUMINATED HANDRAILS



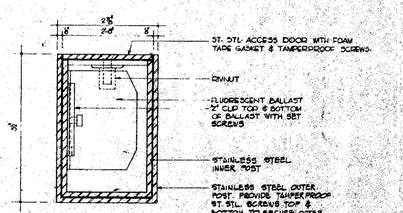
TOP POST
LONGITUDINAL SECTION
SCALE: 3"=1'-0"



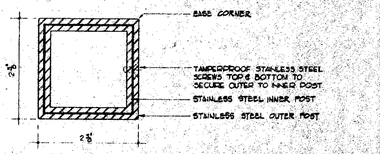
TOP POST
PLAN B
SCALE: 3"=1'-0"



HANDRAIL SECTION
SCALE: FULL SIZE



PLAN AT END POST
SCALE: FULL SIZE



PLAN AT INTERMEDIATE POST
SCALE: FULL SIZE.

NOTE:
ANCHOR PLATES AND ANGLES SET IN CONCRETE WEAR SLAB ARE IN WTC 130.01 CONTRACT. ALL OTHER PARTS OF HANDRAIL ARE IN WTC 618.00 CONTRACT.

RECEIVED
SEP 26 1984
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43RD ST., N.Y., N.Y. 10017

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	BSL. NO.	BY
REVISIONS			
A	4-26-73	P-25	BC
B	11-2-76	P-10	B.G.
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PARKING, UTILITIES, FOUNDATIONS

TITLE: EXTERIOR ILLUMINATED HANDRAIL
DESIGN: RECOM. SUPV. | DRAWN: | CHECKED: | QA:
SCALE: 3/4" = 1'-0" | DRAWN | DATE: 2-1-71
PROJECT MANAGER | SHEET
CONSTRUCTION MANAGER

A-WP-21

VESEY STREET

LINE OF EXTENT OF WATERPROOFING

SEE DWG. A-WP-2

SEE DWG. A-WP-3

U.S. CUSTOM HOUSE

NORTHEAST PLAZA BUILDING

TOWER A

SOUTH OF THIS POINT GUTTER CONNECTIONS TO BE DETERMINED AT A LATER DATE

WEST STREET

SEE DWG. A-WP-4

SEE DWG. A-WP-5

SOUTH STREET

HOTEL

TOWER B

SOUTH & EAST OF THIS POINT GUTTER CONNECTIONS TO BE DETERMINED AT A LATER DATE

SOUTHEAST PLAZA BUILDING

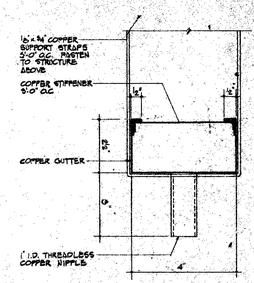
SEE DWG. A-WP-4

SEE DWG. A-WP-5

LIBERTY STREET

LINE OF EXTENT OF WATERPROOFING

NORTH



TYPICAL GUTTER SECTION.
SCALE HALF FULL SIZE

NOTE: SEE OTHER A-WP DRAWINGS FOR VARIATIONS

NOTES:

1. NIPPLE LOCATIONS INDICATED THUS: I

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SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST., N.Y.C. 10017

1/32" = 1'-0" SCALE 0 10 20 30 40 50 60 70 80 feet

CONTRACT BID DRAWING date

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY

APPROVED

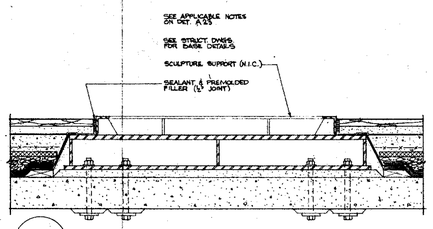
CHIEF, PLANNING DIVISION DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

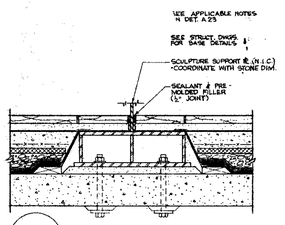
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING UTILITIES, FOUNDATIONS

TITLE: MASTER PLAN OF GUTTER SYSTEM AND GUTTER DETAILS

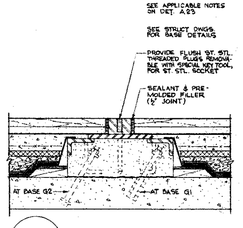
DRAWN	V.K.D.	CHECKED	
SCALE	1/32" = 1'-0"	DATE	Jan. 25, 1972
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-22		



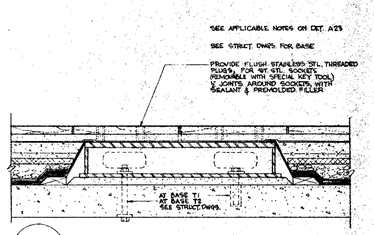
E SECTION



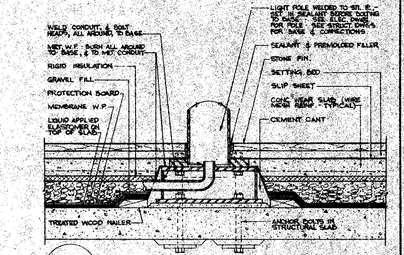
D SECTION



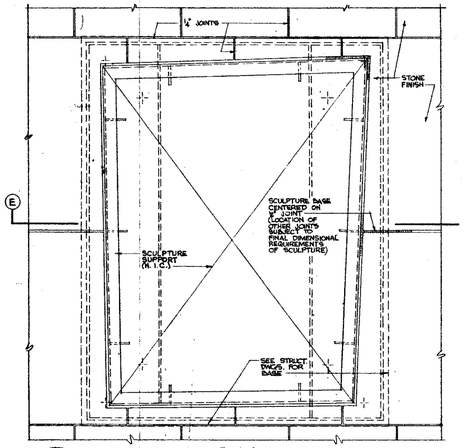
C SECTION



B SECTION

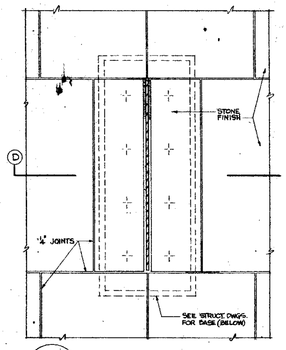


A SECTION



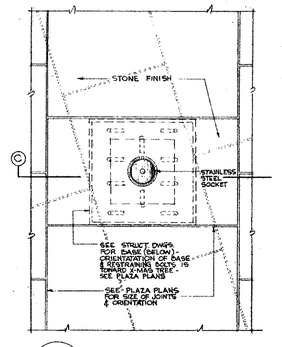
PLAN

K ROSATI SCULPTURE - NORTH BASE (R1)



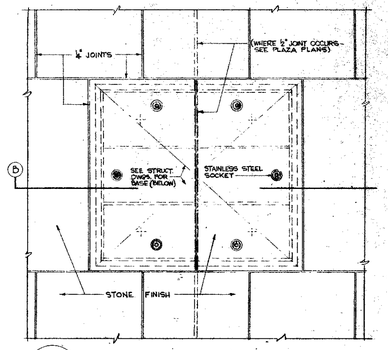
J PLAN

ROSATI SCULPTURE - SOUTH BASE (R2)



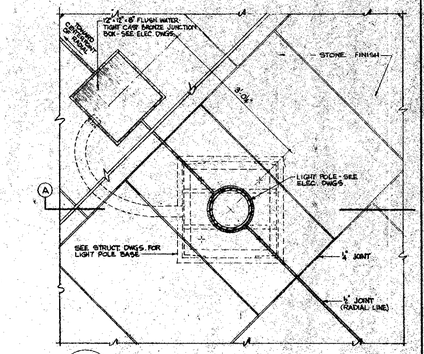
H PLAN

X-MAS TREE GUY ANCHOR



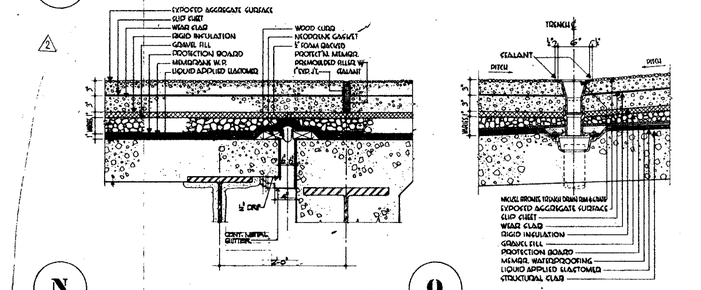
G PLAN

CHRISTMAS TREE BASE



F PLAN

LIGHT POLE BASE

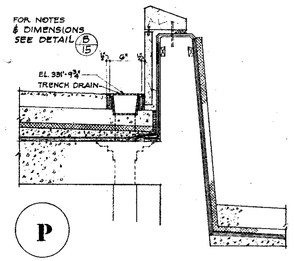


N EXPANSION JOINT DETAIL AT CHURCH ST.

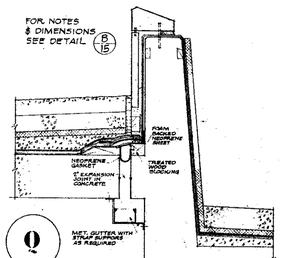
1½" = 1'-0" FOR LOCATION SEE A-WP.3

O TRENCH DRAIN DETAIL AT LIBERTY ST.

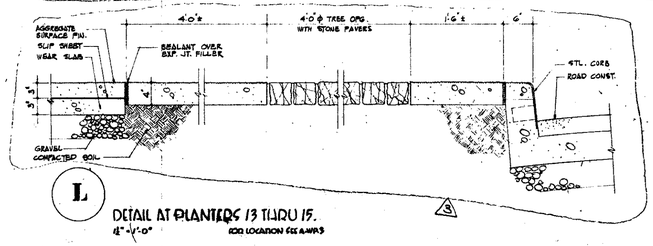
1½" = 1'-0" FOR LOCATION SEE A-WP.5



P TRENCH DRAIN AT PLANTER

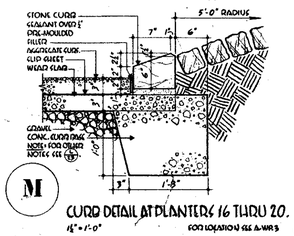


Q EXPANSION JOINT AT PLANTER



L DETAIL AT PLANTERS 13 THRU 15.

1½" = 1'-0" FOR LOCATION SEE A-WP.3



M CURB DETAIL AT PLANTERS 16 THRU 20.

1½" = 1'-0" FOR LOCATION SEE A-WP.3

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 9-7-72

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY
				4			R.K.
				3	11-18-74	P-26	A.C.
				2	2-4-74	P-87	T.R.
				1	9-25-73	P-82	T.P.

APPROVED

CHIEF, PLANNING DIVISION DATE

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SEP 26 1991
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

1½"-1'-0" 0 3" 6" 1'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

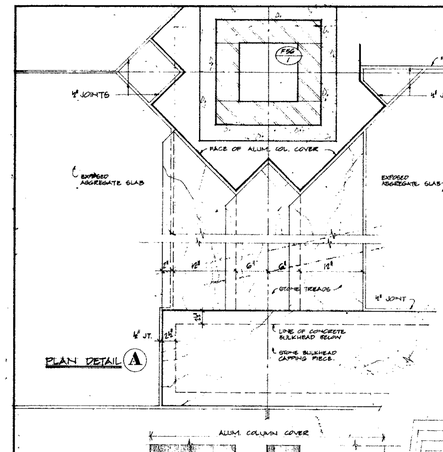
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

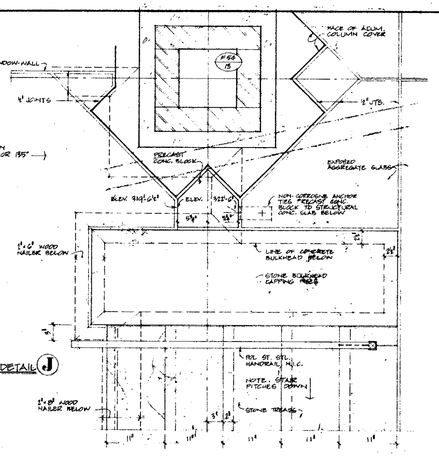
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

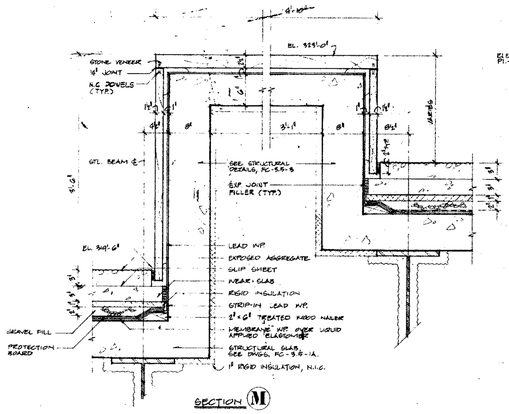
TITLE: WATERPROOFING DETS. FOR BASES AT PLAZA & MISC. DETAILS.

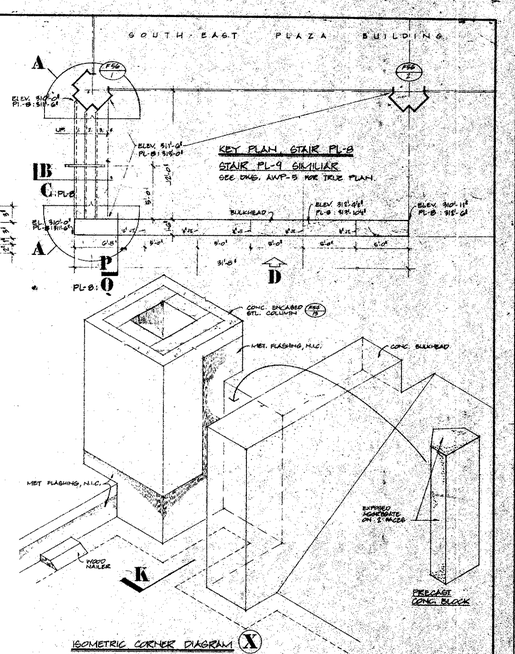
DESIGN	S.D.	DIRECTION	
SCALE	1½"=1'-0"	DATE	SEPT. 7, 1972
PROJECT DIRECTOR		SHEET	OF
PROJECT MANAGER			

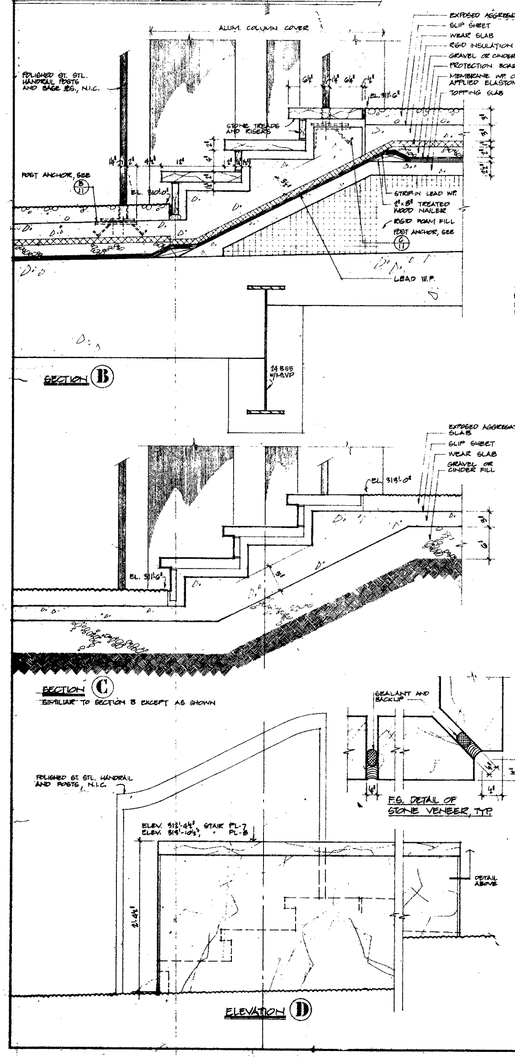
A-WP-23

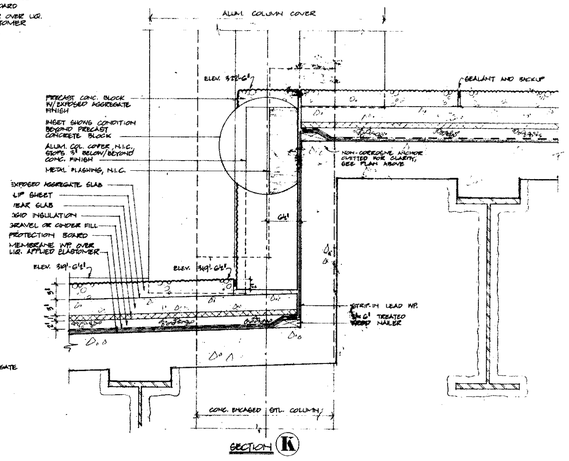


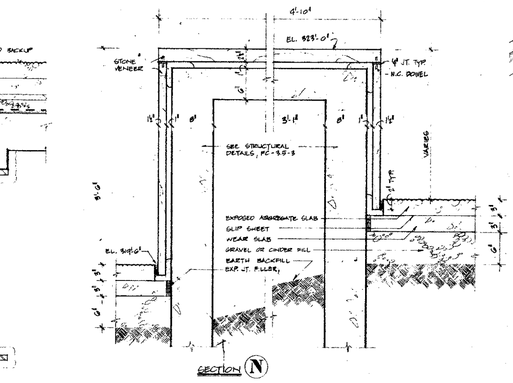


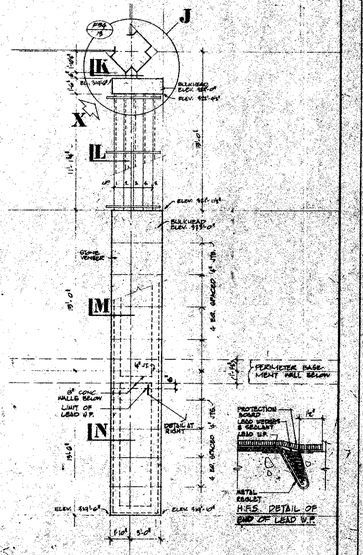


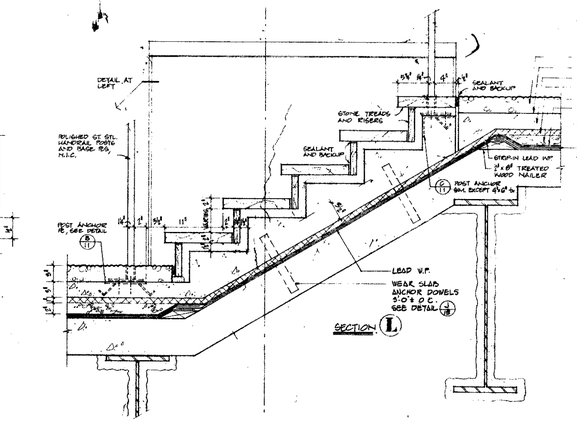


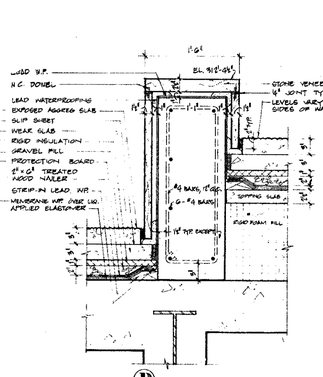


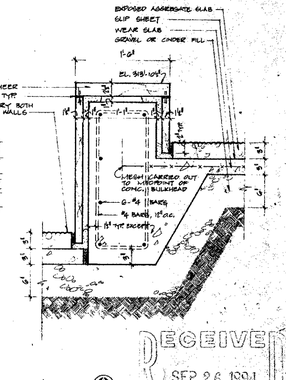












RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43RD ST., N.Y., N.Y. 10017

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

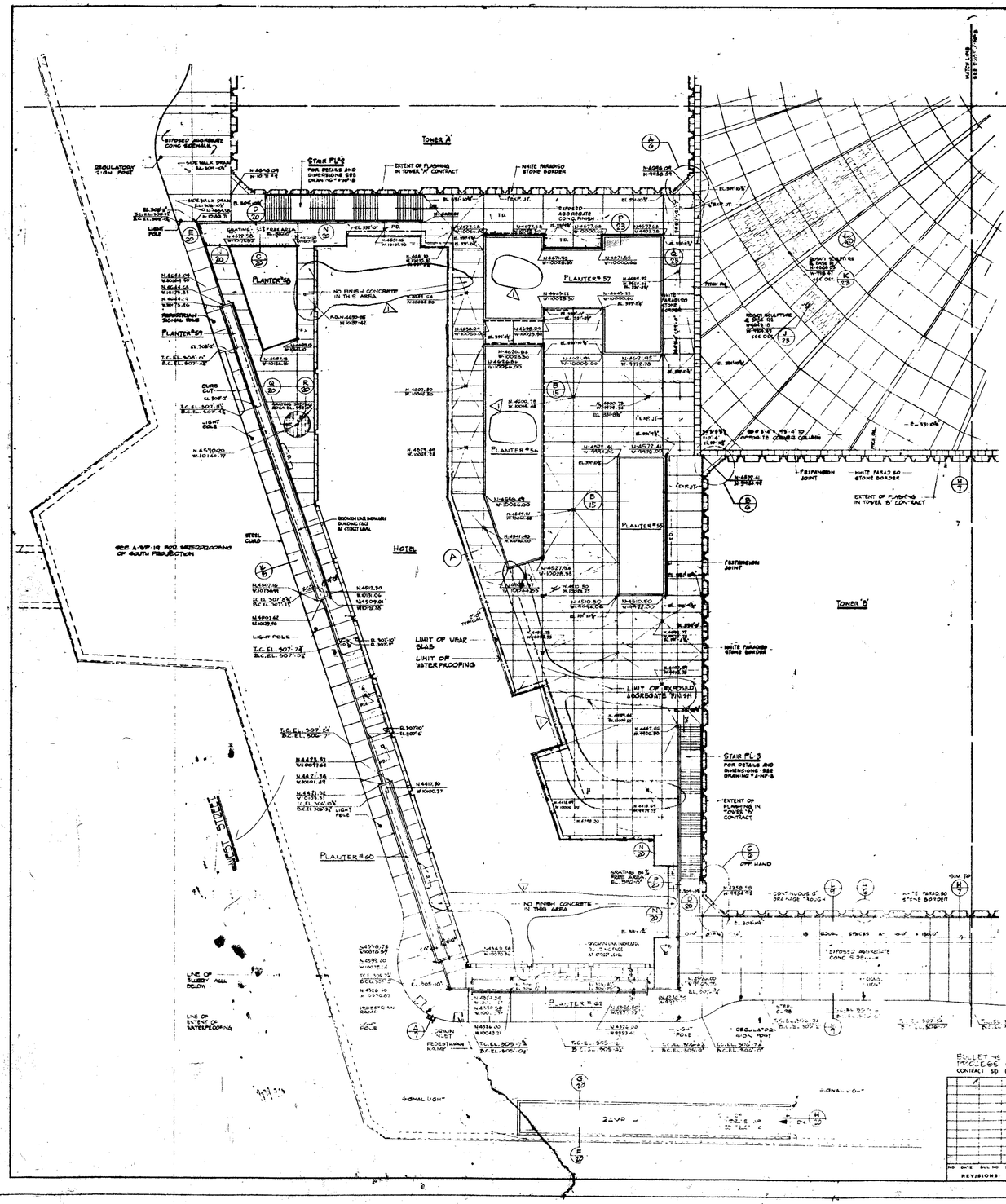
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

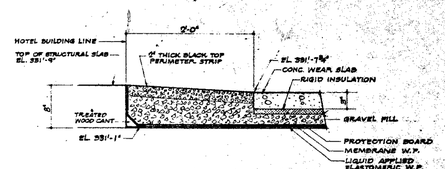
TITLE: DETAILS AT STAIRS PL-8, PL-9, PL-10 AND AT BULKHEADS

DRAWING	DIR.	CHECKED	
SCALE	1/4" = 1'-0"	DATE	1-1-74
PROJECT MANAGER		SHEET	OF
DRAWING NUMBER	A-WP-24		



NORTH

NOTES:
1-STONE TYPES REFER TO APPROVED STONE SAMPLES
2-ELEVATION AT PERIMETER OF ALL PLANTERS ON PLAZA TO BE EL 331'-10½" EXCEPT AS NOTED
3-ELEVATION OF ALL PLAZA DRAINS TO BE EL 330'-8" EXCEPT AS NOTED



A PERIMETER STRIP AT HOTEL SLAB
SCALE: 1½"=1'-0"

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.
CONTRACT SD DRAWING date

NO	DATE	BUL NO	BY
REVISIONS			

NO	DATE	BUL NO	BY
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
NEW YORK, N.Y.

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: STAGING DRAWING FOR WATERPROOFING & PAVING SOUTH-WEST SECTION ELEVATION 332'-0"

DRAWN	H.K.	CHECKED	
SCALE	16'=1'0	DATE	JUNE 21, 1974
PROJECT DIRECTOR		SHEET	OF
DRAWING NUMBER	AWP-25		

VESEY STREET

NORTH

NORTHEAST PLAZA BUILDING

CHURCH STREET

LINE OF SLURRY WALL BELOW

PLANTER #3

PLANTER #2

PLANTER #1

CONC BORDER

EXTENT OF FLASHING IN NORTHEAST PLAZA BUILDING CONTRACT

1" EXPANSION JOINT

LINE OF EXTENT OF WATERPROOFING

STONE BORDER

STAIR No. 7 FOR DIMENSIONS SEE A-1.0

PEDESTRIAN SIGNAL POLE

FIRE HYDRANT

CATCH BASIN

PLANTER #14

PLANTER #15

PLANTER #16

PLANTER #17

PLANTER #18

PLANTER #19

PLANTER #20

REGULATORY SIGN POST

STONE PLANTER COPING PARADISO TYPE 'D' (TYPICAL)

STEEL CURB

PEDESTRIAN RAMP

SIGNAL LIGHT

EXPOSED AGGREGATE CONC SIDEWALK

4" PAVING JOINTS

PLANTER #21

PLANTER #22

PLANTER #23

PLANTER #24

PLANTER #25

PLANTER #26

PLANTER #27

LIGHT POLE

SIGNAL LIGHT

GIM. TO

WHITE PARADISO STONE BORDER

LIGHT SOUTH LINE

GRANITE

GRANITE COPING 8'-0" ø

GRANITE TABLE

BENCH EL. 330'-0"

EDGE OF GUTTER EL. 329'-9"

SEE A-1.0 FOR STONE PATTERN IN FOUNTAIN AREA

LIGHT POLE #3 SEE EL. 329'-11"

LIGHT POLE #4 SEE EL. 330'-0"

LIGHT POLE #5 SEE EL. 330'-10"

LIGHT POLE #6 SEE DETAIL 7/A-2.0 (TYP.)

X-MAS TREE GUY ANCHOR

NICHE, BRONZE GRAPHIC EL. 329'-7"

EXTENT OF FLASHING IN NORTHEAST PLAZA BUILDING CONTRACT

EXPANSION JOINT

WHITE PARADISO BORDERS

CHURCH STREET PLAZA

GRS PARADISO STONE PAVING SEE E-1.0 FOR STONE PATTERN

STONE COPING — PARADISO WHITE

PLANTER #3

PLANTER #2

AREA DRAIN EL. 329'-7"

4" STONE JOINTS

4" EXPANSION JT.

NAGARE SCULPTURE

EXPOSED AGGREGATE CONC SIDEWALK

4" PAVING JOINTS

LINE OF FOUNDATION WALL AND EXTENT OF W.P.

FLAG POLES

LINE OF ISLAND IN CHURCH ST. SEE PARKING DWG. #2 ETC. FOR EXACT LOCATION

REGULATORY SIGN POST

STEEL CURB

LIGHT POLE

CATCH BASIN EL. 329'-4"

LINE OF EXTENT OF WATERPROOFING

MATCH LINE SEE DWG # WP-5

NOTES

1. - STONE TYPES REFER TO APPROVED STONE SAMPLES.
2. - ELEVATION AT PERIMETER OF ALL PLANTERS ON PLAZA TO BE EL. 334'-0"
3. - ELEVATION OF ALL PLAZA DRAINS TO BE EL. 331'-10"

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SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E 43RD ST., N.Y., N.Y. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	SUB. NO.	BY
4	11-16-74	P-28	A.C.
3	6-4-74	P-27	T.F.
2	9-26-73	P-23	A.C.
1	9-26-73	P-21	D.S.
0	9-24-73	P-22	A.C.
8	4-9-72	P-6	S.D.
7	9-26-73	P-26	D.E.
6	5-15-72	P-1	E.L.
5	10-6-71		D.P.A.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING & PAVING PLAN FOR ELEVATIONS 310 & 330 NORTHEAST SECTION

DRAWN	CHECKED
SCALE 1/8"=1'-0"	DATE 2-1-71
PROJECT NUMBER	SHEET OF
DRAWING NUMBER	A-WP-3

NORTH

MATCH LINE SEE DWG # A-WP-2

MATCH LINE SEE DWG # A-WP-2

TOWER 'A'

TOWER 'B'

HOTEL

WEST STREET

REGULATORY SIGN POST

EXPOSED AGGREGATE CONC SIDEWALK

SIDEWALK DRAIN EL. 906'-1"

STAIR FL'S FOR DETAILS AND DIMENSIONS SEE DRAWING # A-WP-8

EXTENT OF FLASHING IN TOWER 'A' CONTRACT

WHITE PARADISO STONE BORDER

EXPOSED AGGREGATE CONC FINISH

EXPANSION JOINT

GRATING AND TREE GRATE EL. 330'-0"

LIGHT POLE

PEDESTRIAN SIGNAL POLE

PLANTER #59

PLANTER #58

PLANTER #57

PLANTER #56

PLANTER #55

PLANTER #60

PLANTER #61

CURB CUT

STEEL CURB

GROUND LINE INDICATES BUILDING FACE AT 410'-0" LEVEL

SEE A-WP-19 FOR WATERPROOFING OF SOUTH PROJECTION

DRAIN INLET

PEDESTRIAN RAMP

LINE OF SLURRY WALL BELOW

LINE OF EXTENT OF WATERPROOFING

RAMP 'H'

SIGNAL LIGHT

END OF HANDRAIL WP IN CONTRACT

STAIR PL-3 FOR DETAILS AND DIMENSIONS SEE DRAWING # A-WP-8

EXTENT OF FLASHING IN TOWER 'B' CONTRACT

CONTINUOUS 6" DRAINAGE TROUGH

EQUAL SPACES AT 10'-0" = 180'-0"

EXPOSED AGGREGATE CONC SIDEWALK

GRANITE SCULPTURE & BASE EL. 330'-0" SEE DET.

80'-9 3/4" = 15'-4" TO CURVED TIE CURVED COLUMN

NOTES:

1-STONE TYPES REFER TO APPROVED STONE SAMPLES

2-ELEVATION AT PERIMETER OF ALL PLANTERS ON PLAZA TO BE EL. 329'-10½" EXCEPT AS NOTED

3-ELEVATION OF ALL PLAZA DRAINS TO BE EL. 329'-9½" EXCEPT AS NOTED

4-BEFORE CORE DRILLING FOR PLAZA AND PLANTER DRAINS, CONTRACTOR SHALL CHECK FOR STRUCTURAL STEEL OR OTHER OBSTRUCTIONS BELOW.

RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 43RD ST., N.Y., N.Y.C. 10017

BULLETINS NOT DATED AREIN PROCESS OF COMPLETION CONTRACT BID DRAWING dated 2-1-71

NO.	DATE	BUL. NO.	BY
REVISIONS			
A	6-27-75	P-51	W.W.
A		SG-219	W.K.
A		P-50	H.N.
A		SG-59	A.C.
A	9-4-73	SG-315	W.W.
A	11-30-73	P-29	I.F.
A	1-8-74	P-19	L.B.
A	4-1-74	P-6	S.D.
A	5/1/74	P-1	G.A.
A	10-4-74	Typ.	B.P.A.
NO.	DATE	BUL. NO.	BY
REVISIONS			

APPROVED
by
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

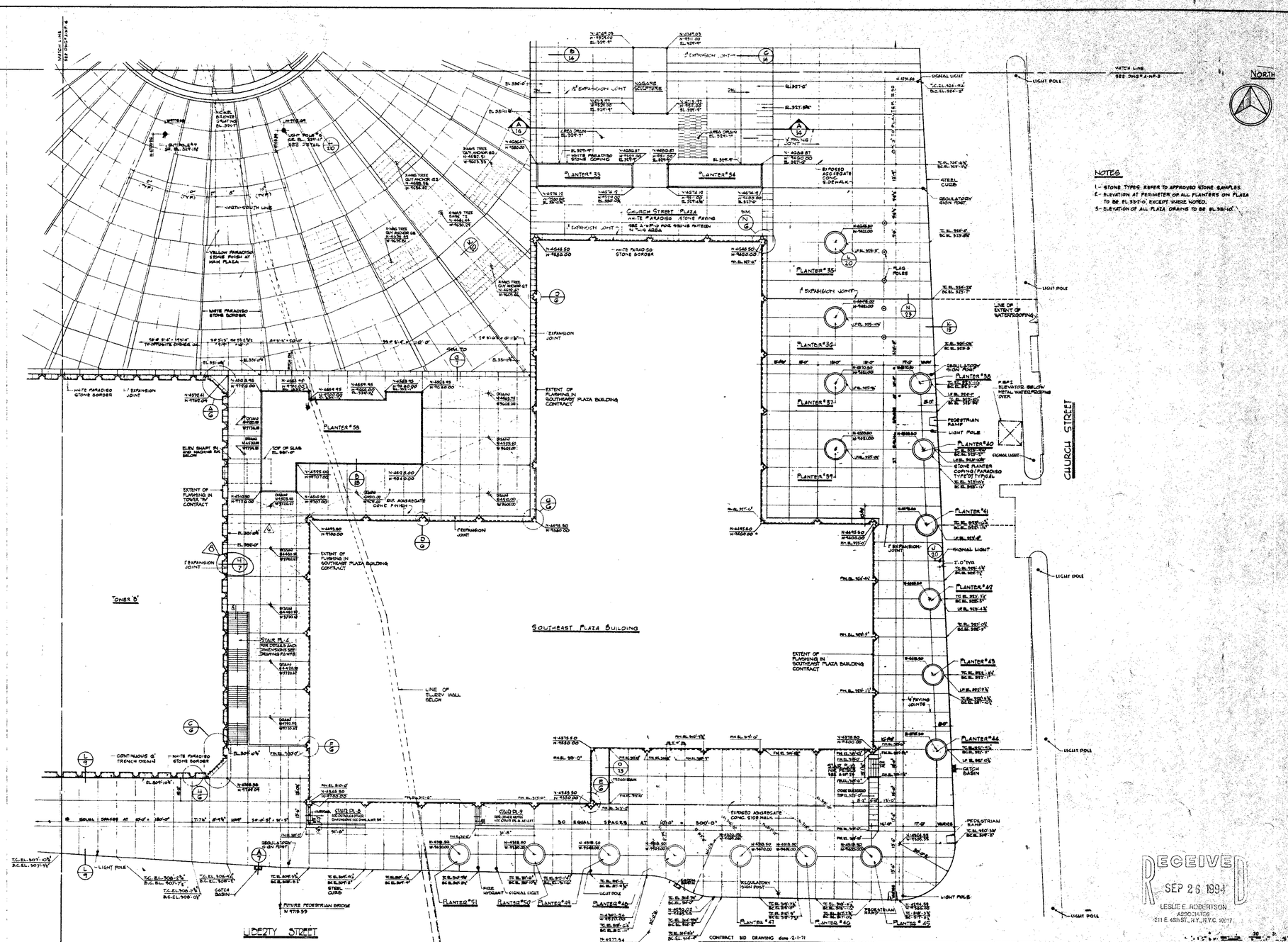
THE PORT OF NEW YORK AUTHORITY
PARKS, UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING PAVING PLAN FOR ELEVATIONS 310'-0" & 329'-10" SOUTH-WEST SECTION

DESIGN | DRAWN | CHECKED | SCALE 1/16" = 1'-0" | DATE 1-1-71 | PROJECT | SHEET | OF

CONTRACT NUMBER

A-WP-1



NO.	DATE	REVISIONS	BY
6		P-30	MN
5	2-4-74	P-27	TF
4	4-22-73	P-24	DG
3	4-20-73	P-16	LS
2	4-1-73	P-6	SD
1	4-20-73	P-29	DG
0	5-15-72	P-1	VAD
0	10-6-71	-	RFA

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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MECHANICAL ENGINEERS

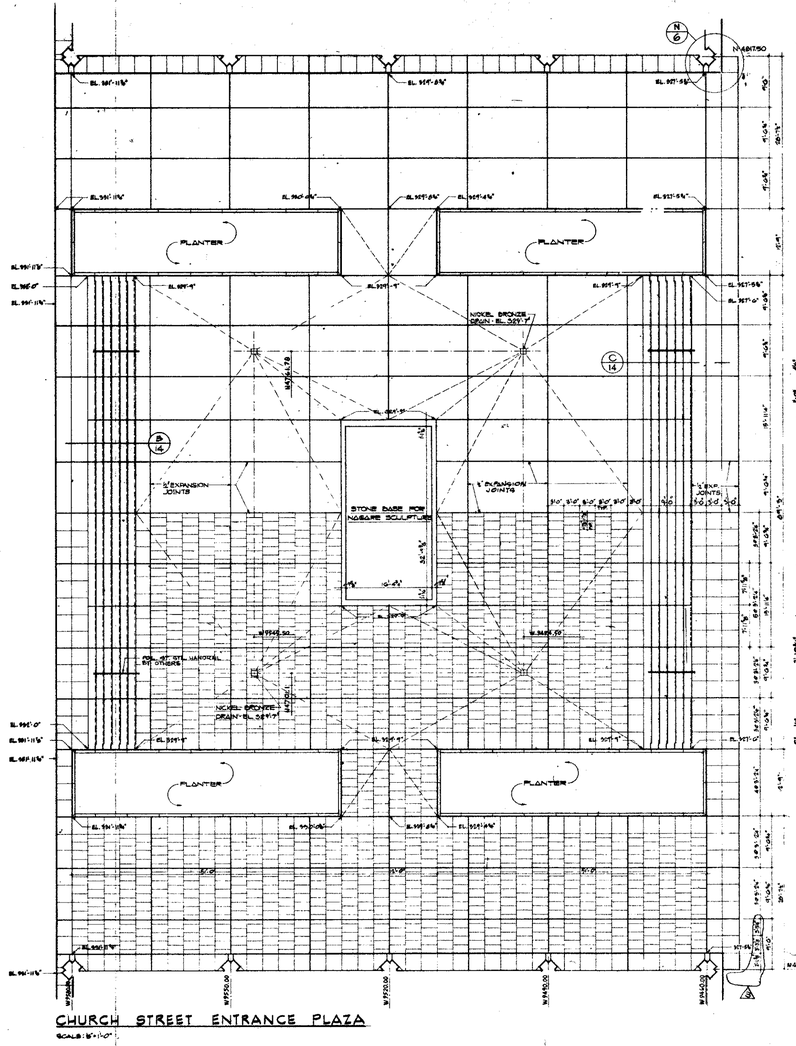
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING & PAVING PLAN FOR ELEVATIONS 310'-0" & 332'-0" SOUTHEAST SECTION

DESIGN	CHECKED
SCALE 1/8"=1'-0"	DATE 12-1-71
PROJECT ENGINEER	SHEET OF
PROJECT MANAGER	

DRAWING NUMBER: A-WP-5


PLANTER
PLANTER
PLANTER
PLANTER
STONE BASE FOR NOGUCHI SCULPTURE
NICKEL BRONZE DRAIN - EL. 969'-7"
NICKEL BRONZE DRAIN - EL. 969'-7"
EXPANSION JOINTS
EXPANSION JOINTS
EXPANSION JOINTS
EXPANSION JOINTS
EXPOSED AGGREGATE FINISH
EL. 969'-11"
EL. 966'-0"
EL. 969'-11"
EL. 991'-0"
EL. 991'-11"
EL. 991'-11"
EL. 950'-11"
N 48170.50
N 47920.00
N 47920.00
N 47920.00
N 48445.00
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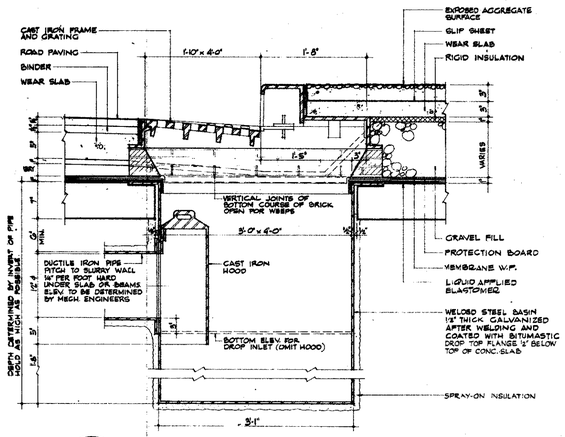
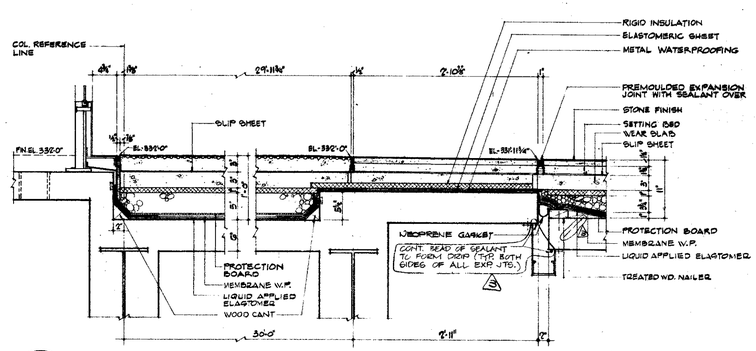
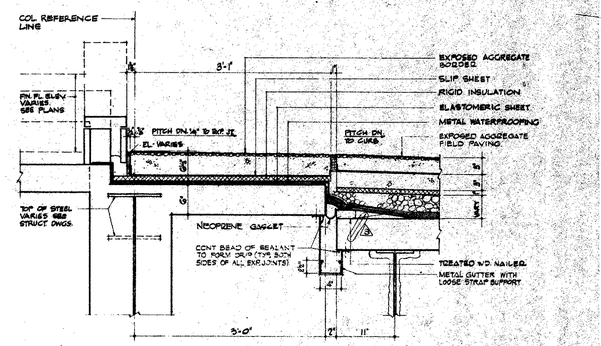
N 47920.00
N 48445.00
N 48445



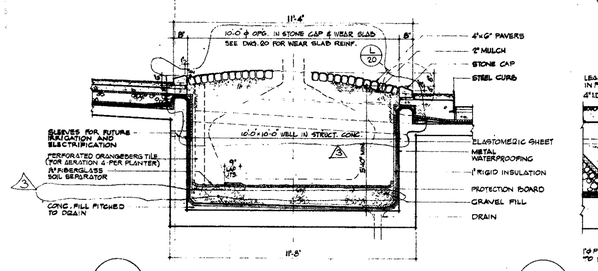
A SECTION THRU. CATCH BASIN



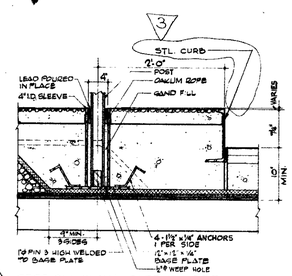
D SECTION AT PLAZA LOBBY ENTRANCE N.E. PLAZA BLDG.



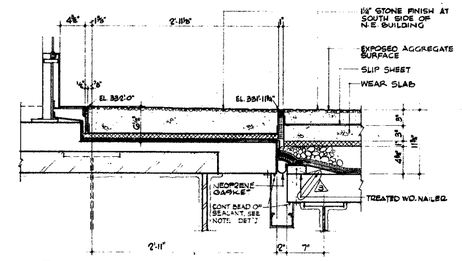
J SECTION EAST SIDE N.E. PLAZA BLDG.



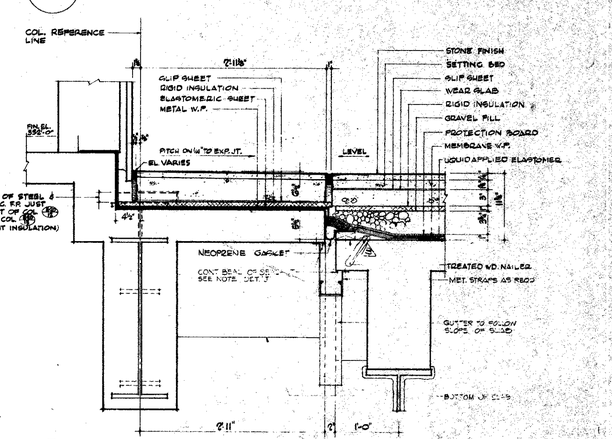
B SECTION THRU. SIDEWALK PLANTER
SCALE: 1½" = 1'-0"



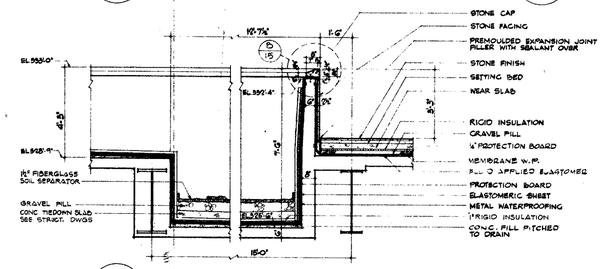
M SECTION THRU SLEEVE FOR SIGNS & STANDARDS



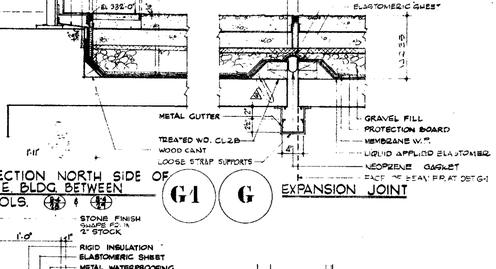
E SECTION NORTH SIDE OF N.E. PLAZA BLDG BETWEEN COLS. (E/52) & (E/54)
SECTION SOUTH SIDE OF N.E. BLDG. BETWEEN COLS. (E/52) & (E/54) SIMILAR EXCEPT AS NOTED.



K SECTION SOUTH SIDE N.E. PLAZA BLDG. AT RAMP TO CHURCH ST.

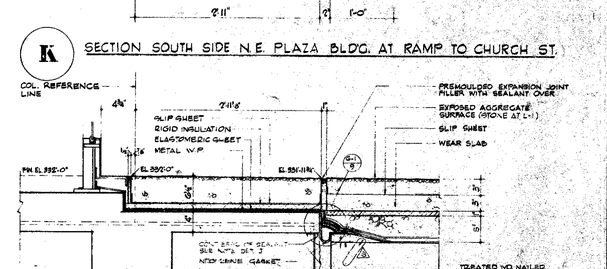


C SECTION THRU. CHURCH ST. PLAZA PLANTER
SCALE: 1½" = 1'-0"

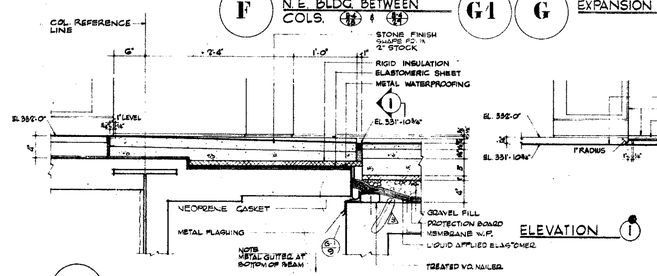


F SECTION NORTH SIDE OF N.E. BLDG BETWEEN COLS. (E/52) & (E/54)

G1 G EXPANSION JOINT



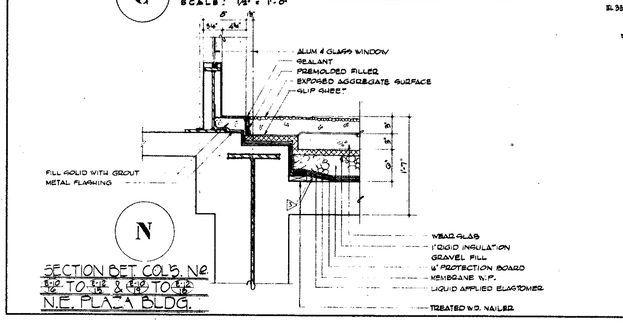
L L-1 SECTION WEST SIDE N.E. PLAZA BLDG.



H SECTION THRU. DOORS OF TOWERS 'A & B' AT EL. 332'-0"

ELEVATION 1

NOTE:
SECTION SIMILAR AT EL. 310'-0" SEE DETAIL D A-WP-9 FOR STRUCTURE SLAB CONDITION AND FINISH BEYOND STONE BORDER AT TOWER 'A' AND DETAIL L/A-WP-9 FOR CONDITION AT TOWER 'B'.



N SECTION SET COLS. N2 TO E2 & E/54 TO J/54 N.E. PLAZA BLDG.

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	REVISIONS	BY
3	11-26-73	P-25	
2	6-19-72	P-1	KD
1	10-2-		R.Y.-

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CHIEF, PLANNING DIVISION

DATE

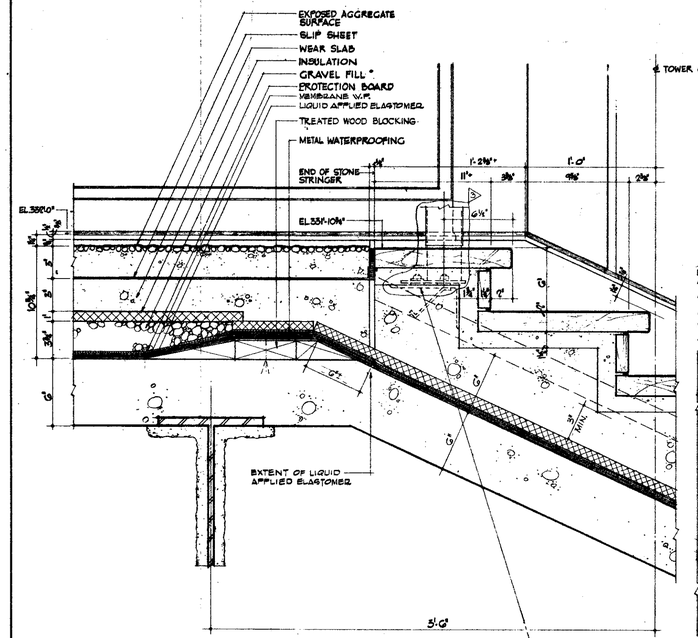
RECEIVED
SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: WATERPROOFING & PAVING DETAILS AROUND NORTH EAST BUILDING, PLANTERS & CATCH BASIN

DRAWN	H.BELTON
CHECKED	
SCALE	AS NOTED
DATE	2-1-71
PROJECT NUMBER	
SHEET	OF
DRAWING NUMBER	A WP 7

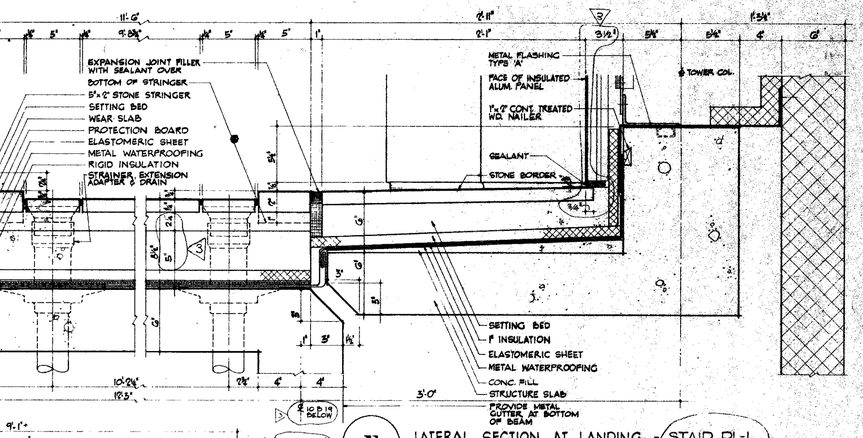


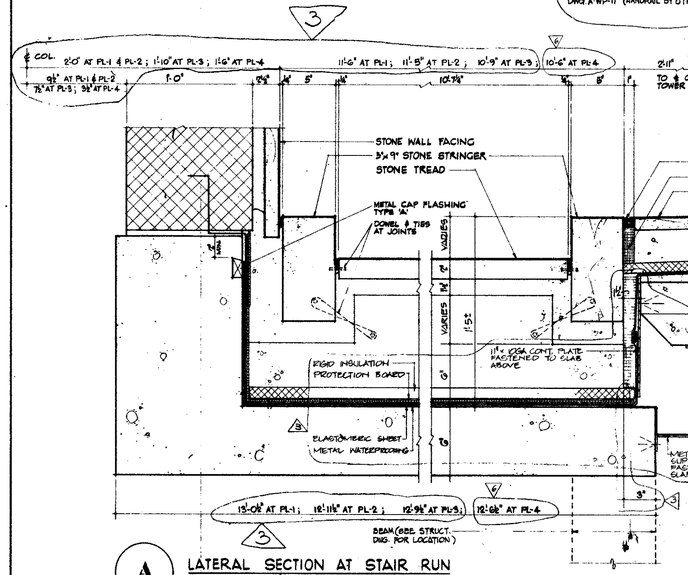
B SECTION AT MAIN PLAZA LEVEL

E LATERAL SECTION AT LANDING - STAIR PL-1

LANDING AT EL. 315'-6⅝" & 310'-10⅛" SHOWN
LANDING AT EL. 310'-6⅜" SIMILAR

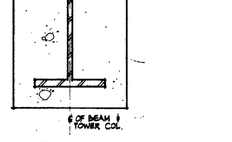
NOTE
SEE SECTION A FOR DIMENSIONAL VARIATIONS AT STAIRS PL-2, PL-3 & PL-4.





A LATERAL SECTION AT STAIR RUN

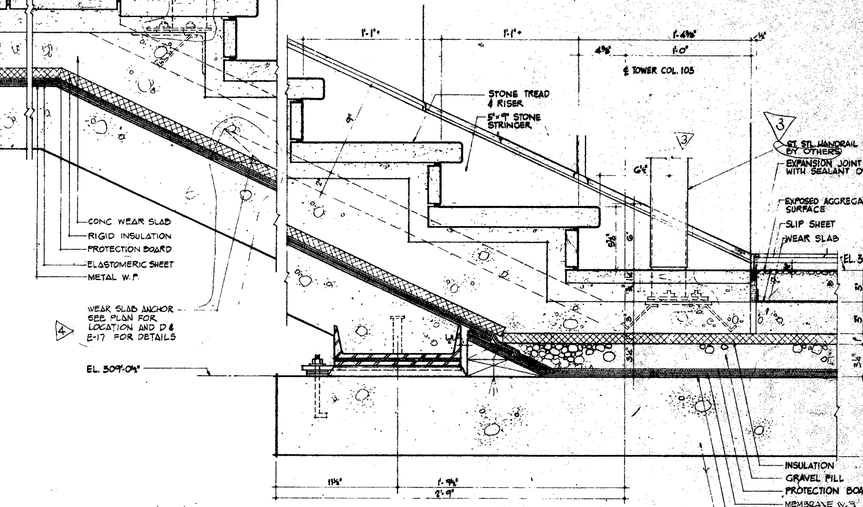
UPPER RUNS SHOWN, LOWER RUNS SIMILAR



C SECTION AT TYPICAL LANDING

SECTION OF TYP RUN
SCALE : ¼" = 1'-0"

D SECTION AT WEST PLAZA LEVEL



NOTE:
DETAIL OF WATERPROOFING AND PAVING AT STAIR PL-2, PL-3 & PL-4 SIMILAR.

A PLAN OF STAIR PL-1
SCALE : ⅛" = 1'-0"
STAIRS PL-2, 3, 4 SIMILAR AS NOTED.

BULLETING NOT DATED ARE IN PROCESS OF COMPLETION
CONTRACT BID DRAWING date 2-1-71

RECEIVED
SEP 26 1991
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

NO.	DATE	SUBJ. NO.	BY
A	9-25-72	R.18	SD
A	11-27-72	P-10	AC
A	9-25-73	P-8	DR
A	9-25-73	P-25	AC
A	6-17-74	P-1	GA
A	10-6-71	—	GA

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

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ELECTRICAL ENGINEERS

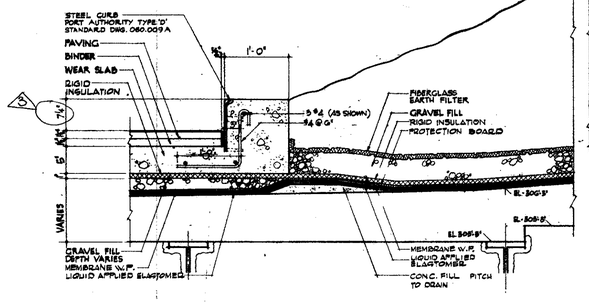
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

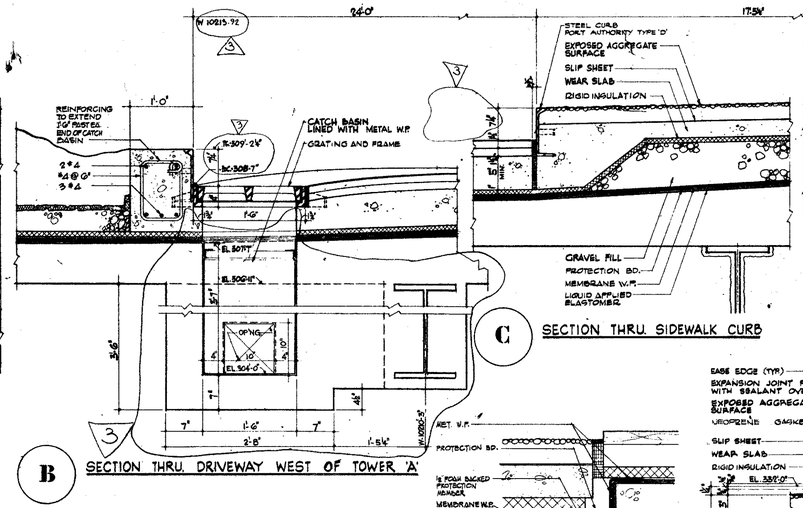
THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

TITLE
WATERPROOFING AND PAVING DETAILS AT STAIRS PL-1, 2, 3, 4

DRAWN	M.BELTON	CHECKED	
SCALE	3/4"=1'-0"	DATE	2-1-71
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-WP-8		

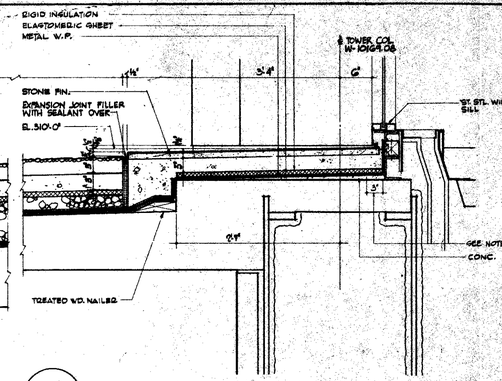


A SECTION AT WEST STREET PLANTER

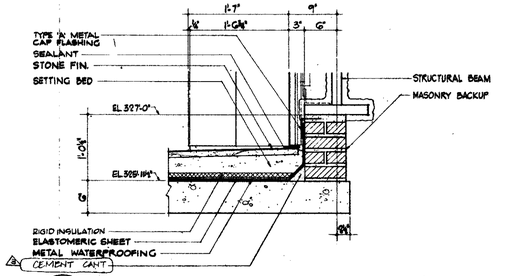


B SECTION THRU. DRIVEWAY WEST OF TOWER 'A'

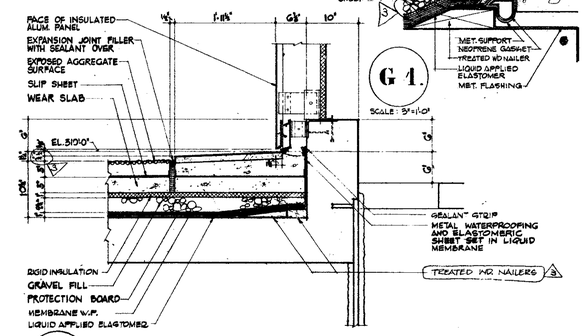
C SECTION THRU. SIDEWALK CURB



D SECTION AT WEST FACE OF TOWER 'A' AT EL. 310'-0"

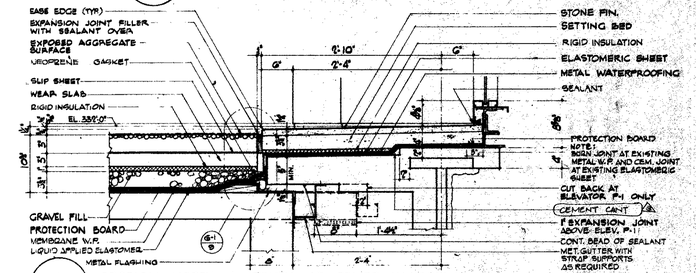


E SECTION AT TOP LANDING AT TOWER WALL
STAIR PL-1,2,3 & 4
NOTE: SEE DETAIL (E/2) FOR CONDITION AT EXPANSION JOINT

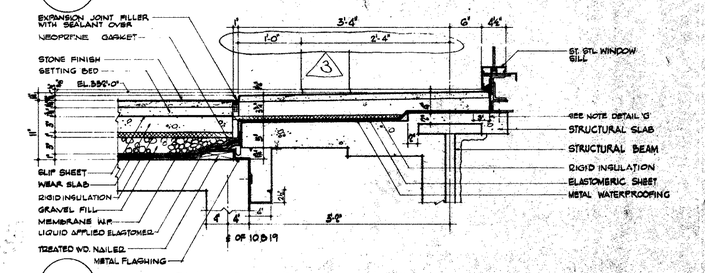


G 1. SCALE: 3"=1'-0"

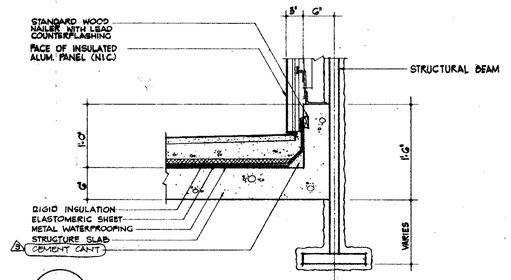
F SECTION BETWEEN COLS. 101·459 & 359·401 OF TOWER 'A & B' AT EL. 310'-0"



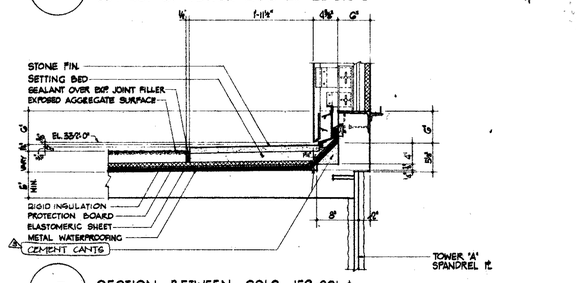
G SECTION NORTH & SOUTH OF TOWER 'A' AND EAST & WEST OF TOWER 'B' EL. 332'-0"



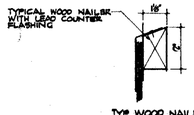
K SECTION EAST OF TOWER 'A' AND NORTH OF TOWER 'B' EL. 332'-0"



H SECTION AT TOP RUN AT TOWER WALL
STAIR PL-1,2,3 & 4
NOTE: SEE DETAIL (A/6) FOR CONDITION AT EXPANSION JOINT



J SECTION BETWEEN COLS. 159·201 & 259·301 OF TOWER 'A & B' AT EL. 332'-0"



L SECTION THRU. CURB, SIDEWALK, & SOUTH FACE OF TOWER 'B'
NOTE: SECTION AT RUNS SIMILAR

BULLETING NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 2-1-71

NO.	DATE	SUB. NO.	BY
A	8-6-71	P-75	S.D.
A	9-7-71	P-1	G.A.
A	10-6-71	—	G.A.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: DETAILS AT TOWERS 'A' & 'B' AND AT DRIVEWAY WEST OF TOWER 'A'

DRAWN: M. BELTON — CHECKED:
SCALE: 1¼"=1'-0" & 3/4"=1'-0" — DATE: 2-1-71
PROJECT NUMBER: — SHEET OF
DRAWING NUMBER: A-WP-9

RECEIVED SEP 26 1994
LESLIE E. ROBERTSON ASSOCIATES 211 E. 43rd ST., N.Y., N.Y.C. 10017

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THE PORT OF NEW YORK AUTHORITY

WATERPROOFING & PAVING

[redacted]

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SEP 26 1994

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RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

THE WORLD TRADE CENTER

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EMERGENCY GENERATOR PLANT

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R LORING & ASSOCIATES
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DRAWING INDEX

DWG. NO.	DESCRIPTION
E-G-1	LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES.
E-G-2	EMERGENCY LIGHT AND POWER RISER DIAGRAM AND GROUNDING SYSTEM DIAGRAM AND DETAILS.
E-2B-3	LIGHTING PLAN.
E-2B-4	POWER PLAN AND DETAILS.
E-2B-5	HORIZONTAL ROUTING PLAN.
E-2B-6	LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARDS SCHEDULES AND DETAILS.
E-6-1	EMERGENCY GENERATOR ROOM PLAN, SECTIONS & SYMBOL LIST
M-6-2	FLOW DIAGRAMS

GENERAL NOTES:

1. REFERENCE TO MOUNTING HEIGHT OF FIXTURES, ABOVE FINISHED FLOOR (A.F.F.) SHALL BE TAKEN TO BOTTOM OF FIXTURE.

SYMBOL LIST

LIGHTING FIXTURES

- INCANDESCENT LIGHTING FIXTURES & OUTLET. LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH CONTROL. NUMBER INDICATES CIRCUIT.
- EXIT LIGHT, WALL MOUNTED. SURFACE OR BRACKET WITH DIRECTIONAL ARROW(S) AS REQUIRED.
- FLUORESCENT LIGHTING FIXTURE & OUTLET BOX SURFACE OR PENDANT MOUNTED AS SPECIFIED.
- SURFACE MOUNTED WALL BRACKET FLUORESCENT FIXTURE.
- PORCELAIN LAMPHOLDER — KEYLESS SOCKET

WIRING DEVICES

- S_a SINGLE POLE SWITCH - TUMBLER TYPE, SUB-LETTER INDICATES FIXTURES CONTROLLED.
- S_p SWITCH AND PILOT LIGHT COMBINATION.
- DUPLEX RECEPTACLE, 15A., 125V. GROUNDING TYPE.
- DUPLEX RECEPTACLE, 20A., 125V. GROUNDING TYPE.
- SINGLE RECEPTACLE, 20A., 125V. GROUNDING TYPE IN FLUSH PLATE WITH HINGED FLUSH FLAP
- SINGLE POLE SWITCH & 15A. SINGLE RECEPTACLE IN SINGLE GANG PLATE.

CONDUIT SYSTEM

- CONDUIT RUN CONCEALED IN FLOOR
- CONDUIT RUN EXPOSED
- EACH TICK MARK INDICATES #12 CONDUCTOR UNLESS OTHERWISE NOTED.
- 3/N-12.5 — CONDUIT HOMERUN - EACH HALF ARROW INDICATES ONE CKT. TO DESIGNATED PANELBOARD CKT. NOS. AS SHOWN.
- CONDUIT HOMERUN POWER CONNECTION CIRCUIT NUMBERS INDICATE MULTI-POLE CIRCUITS.
- —T— TELEPHONE SYSTEM - EMPTY CONDUIT (WITH DRAG WIRE)
- —EC— EMPTY CONDUIT
- CONDUIT UP OR DOWN
- CONDUIT UP
- CONDUIT RUN CONCEALED IN CEILING OR WALL 2" ø IN 3/4" C (EXCEPT AS OTHERWISE NOTED)

ABBREVIATIONS

F.B.O.	FURNISHED BY OTHERS
N.I.C.	NOT IN ELECTRICAL CONTRACT
F&C	FURNISHED AND CONNECTED
F&I.B.O.	FURNISHED AND INSTALLED BY OTHERS
I.B.O.	INSTALLED BY OTHERS
F.I.&C.	FURNISHED INSTALLED AND CONNECTED
P.C.	PULL CHAIN
EM.	EMERGENCY
EXP. JT.	EXPANSION JOINT
E.C.	EMPTY CONDUIT
℄	CENTERLINE
H.C.	HUNG CEILING
TR.	TRANSITE DUCT
W.P.	WEATHERPROOF
V.T.	VAPOURTIGHT
C.W.	COLD WATER
EXP.	EXPLOSION PROOF
A.F.F.	ABOVE FINISHED FLOOR

POWER WIRING SYSTEM

- MOTOR, NUMERAL INDICATES HORSEPOWER (BRK. & LESS)
- COMBINATION STARTER & UNFUSED DISCONNECT SWITCH
- COMBINATION STARTER & FUSED DISCONNECT SWITCH
- DISCONNECT SWITCH
- LOCK-OUT STOP PUSHBUTTON STATION KEY OPERATED
- JUNCTION BOX
- PULLBOX SIZE AS REQUIRED UNLESS SPECIFICALLY NOTED OTHERWISE.
- UNIT HEATER CONNECT TO ALL CONTROL DEVICES AS REQUIRED.
- MOTOR NUMERAL INDICATES HORSEPOWER (OVER 5 H.P.)
- TRANSFORMER - SIZE & TYPE AS NOTED OR REQUIRED

PANELBOARDS AND CABINETS

- SURFACE TYPE LIGHTING OR RECEPTACLE PANELBOARD, SEE SCHEDULES AND SPECIFICATIONS FOR DETAILS.
- DISTRIBUTION PANELBOARD, SEE SCHEDULES & SPECIFICATIONS FOR DETAILS.
- TERMINAL STRIP CABINET.

MISCELLANEOUS

- THERMOSTAT - F.B.O. - INSTALLED & CONNECTED BY ELECTRICAL CONTRACTOR.
- AQUASTAT - F.&I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.
- GROUND CONNECTION - IN CONDUIT TO NEAREST C.W. PIPE UNLESS OTHERWISE NOTED.
- "DANGER HIGH VOLTAGE" SIGN
- SMOKE DETECTOR - DUCT TYPE - F&C BY ELECTRIC CONTRACTOR - I.B.O.
- SMOKE DETECTOR - C.L.G. TYPE - F.I.&C BY ELECT. CONTR.

EQUIPMENT DESIGNATIONS

L OR LP	LIGHTING PANEL
R OR RP	RECEPTACLE PANEL
ERP	EMERGENCY RECEPTACLE PANEL
L.C.	LOAD CENTER
T.	TRANSFORMER
P.C.	POWER CENTER
E.P.C.	EMERGENCY POWER CENTER
D.P.	DISTRIBUTION PANEL
P.P.	POWER PANEL
P.D.C.	PRIMARY DISTRIBUTION CENTER
R.P.C.	REFRIGERATION POWER CENTER
M.C.C.	MOTOR CONTROL CENTER
A.T.S.	AUTOMATIC TRANSFER SWITCH
P.F.	PRIMARY FEEDER
F.	FEEDER
C.P.B.	COMMUNICATION PULL BOX
C.S.B.	CABLE SUPPORT BOX
P.B.	PULL BOX
S.S.	SUBSTATION SWITCHBOARD
S.	SWITCHBOARD
E.S.B.	EMERGENCY SWITCHBOARD

LOCATION DESIGNATIONS

N	NORTH
E	EAST
S	SOUTH
W	WEST
R	RIGHT
L	LEFT
A	TOWER "A"
B	TOWER "B"
C	CUSTOMS
P	PLAZA
H	HOTEL
E	NORTH EAST OFFICE BUILDING
F	SOUTH EAST OFFICE BUILDING

CONTRACT BID DRAWING DATE MAY 1, 1970

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

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CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

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TITLE

LIST OF DRAWING, SYMBOL LIST AND GENERAL NOTES

DRAWN	R.E.	CHECKED	J.L.
SCALE	NONE	DATE	MAY 1, 1970
PROJECT NUMBER	604.00	SHEET	1 OF 6
DRAWING NUMBER	E-G-1		

LEGEND

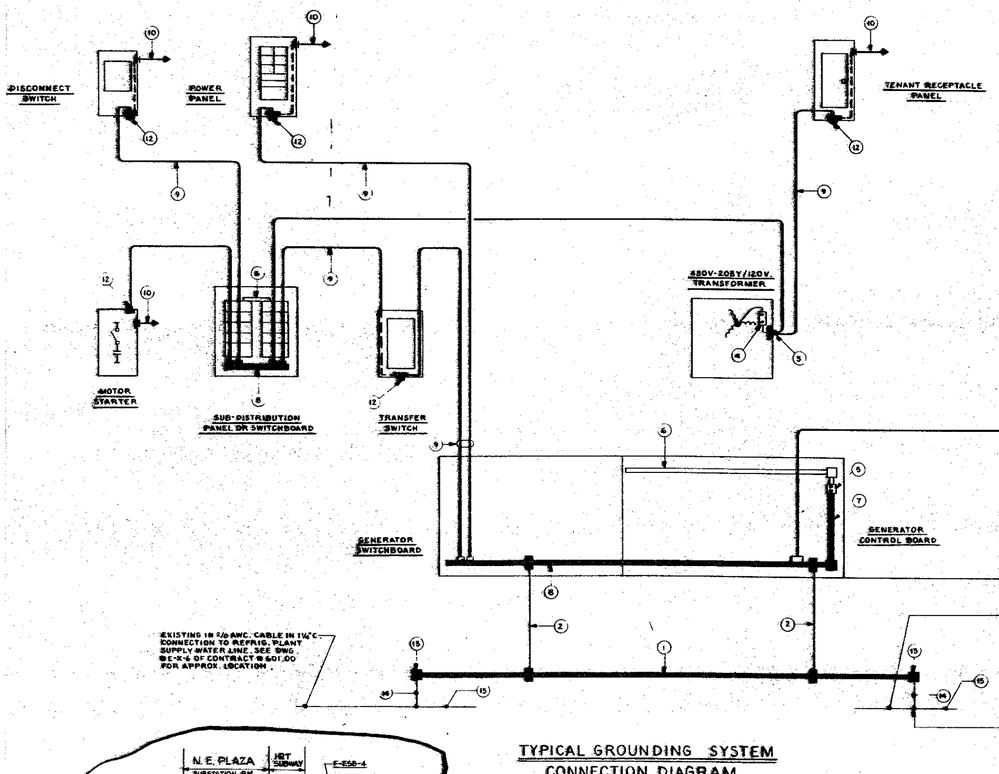
(1) GROUND BUS ¼"X 2" MINIMUM COPPER BAR IN SUBSTATION ROOM
(2) NO. 8/0 MINIMUN GREEN INSULATED GROUNDING CONDUCTOR
(3) GROUND PAD
(4) LOW VOLTAGE GROUND DISCONNECT LINK.
(5) NEUTRAL DISCONNECT LINK.
(6) INSULATED HALF NEUTRAL BUS.
(7) NEUTRAL TO GROUND BUS ¼"X 2" MINIMUN COPPER BAR.
(8) UNINSULATED GROUND BUS ¼"X 2" MINIMUN COPPER BAR, BONDED TO EACH SECTION OF SWITCHGEAR OR DISTRIBUTION EQUIPMENT HOUSING.
(9) GROUND BUS ON BUS DUCT OR SEPARATE GROUNDING CONDUCTOR IN FEEDER CONDUIT.
(10) BRANCH DEVICE GROUNDING CONDUCTOR IF SPECIFICALLY REQ'D.
(11) MOTOR BASE GROUND CONNECTION.
(12) GROUNDING LUG BRAZED TO CABINET WITH BAR IF REQUIRED.
(13) THERMAL WELD TO STEEL COLUMNS AS SHOWN ON DWG. # E-G-4.
(14) 1#8/0 AWG. IN 1¼" CONDUIT-GROUND SYSTEM CONNECTION TO CABLE COUNTERPOISE.
(15) EXISTING CABLE COUNTERPOISE (1#8/0 AWG. IN 1¼"C.)

NOTES

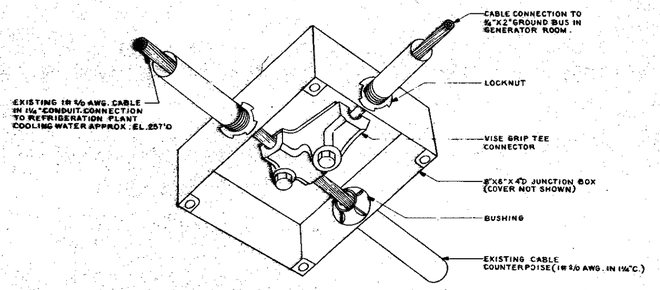
1- FOR LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES SEE DRAWING # E-G-1.

2- FOR LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARD SCHEDULES SEE DRAWING #E-G-6

3- MAIN TRANSFER SWITCH CONTROL PANEL AS IN THIS CONTRACT FOR INSTALLATION & CONNECTION ONLY-FURNISHED UNDER CONTRACT # 604.00

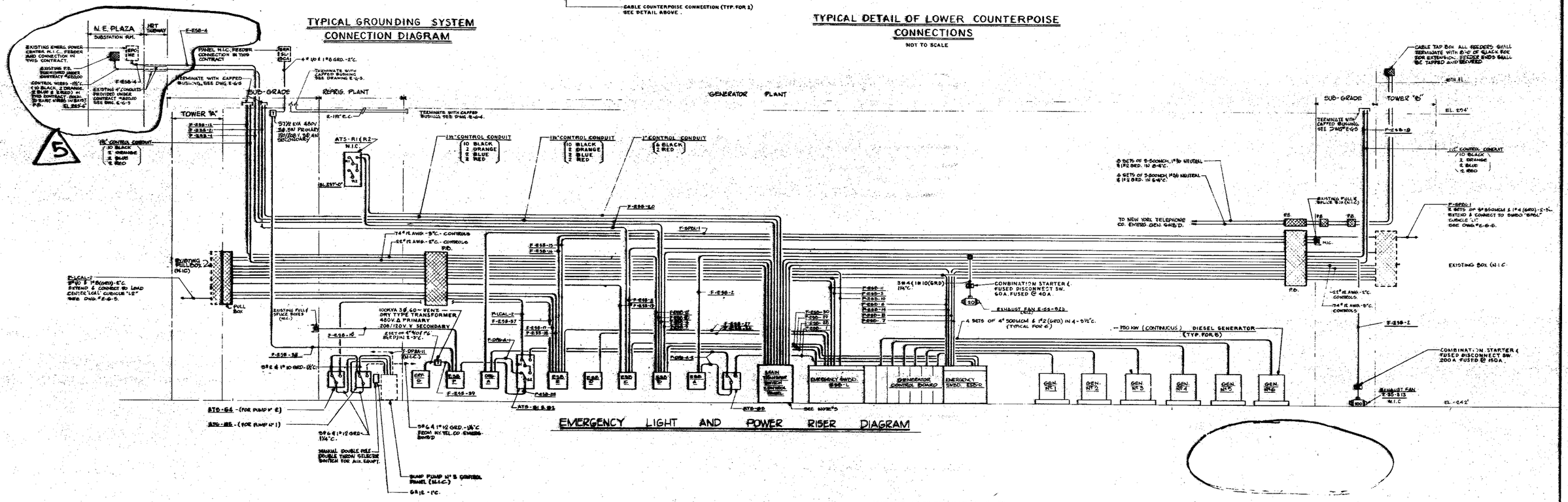


TYPICAL GROUNDING SYSTEM CONNECTION DIAGRAM



TYPICAL DETAIL OF LOWER COUNTERPOISE CONNECTIONS

NOT TO SCALE



EMERGENCY LIGHT AND POWER RISER DIAGRAM

CONTRACT BID DRAWING DATE MAY 1, 70

NO.	DATE	SUB. NO.	BY
6	11-12	GP-6	
5	8-25-71	GP-5	
4	8-25-71	GP-4	
3	5-2-71	GP-3	
2	7-28-70	GP-2	

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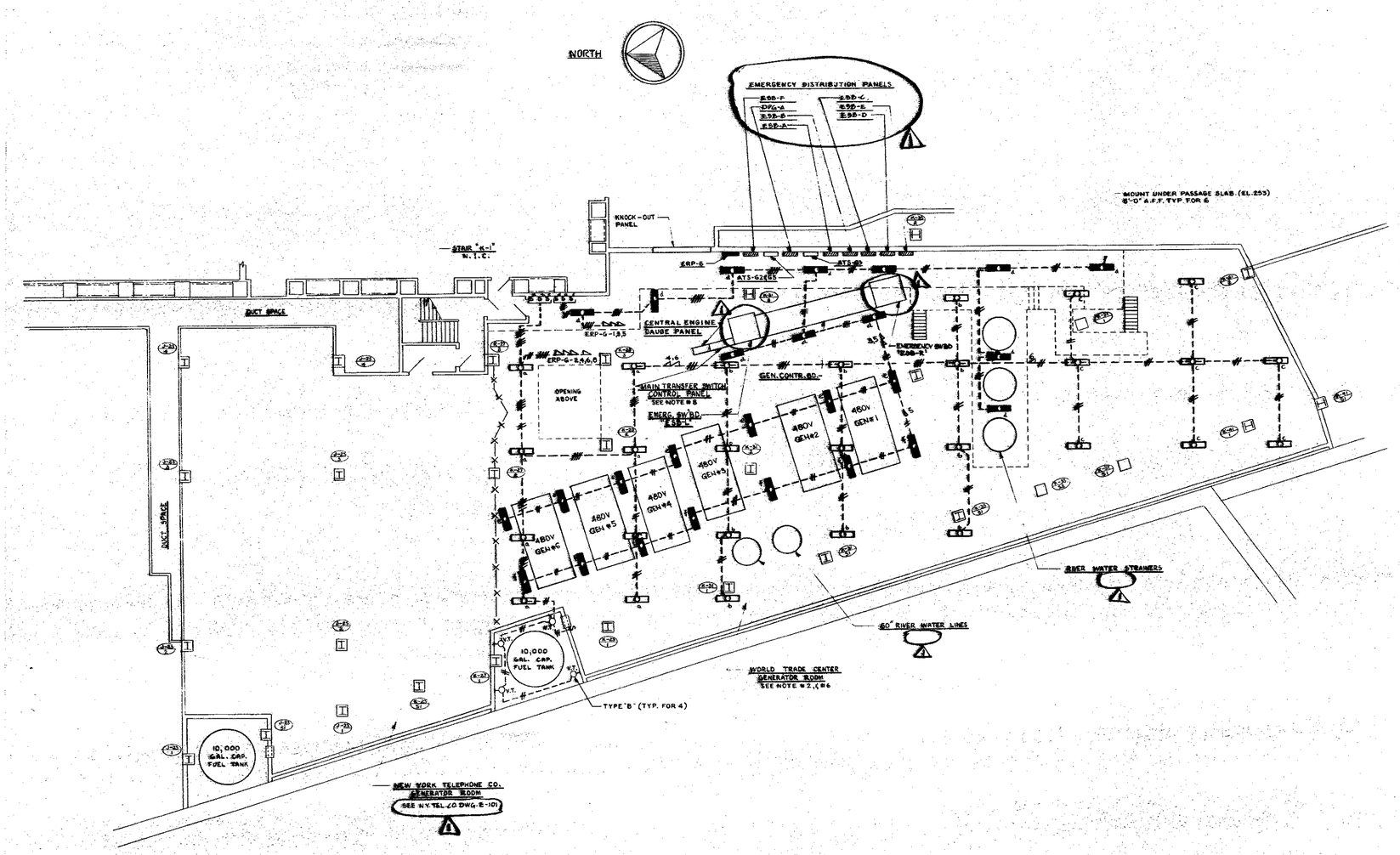
TITLE: EMERGENCY LIGHT AND POWER RISER DIAGRAM AND GROUNDING SYS. DIAGRAM AND DETAILS

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	NONE	DATE	MAY 1, 1970
PROJECT NUMBER	604.00	SHEET	E-G-2
DRAWING NUMBER	E-G-2		



NOTES:

1. FOR LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES SEE DRAWING # E-G-1.
2. ALL LIGHTING FIXTURES IN GENERATOR ROOM SHALL BE TYPE "FD-E".
3. ALL SHADED IN FIXTURES SHALL BE MOUNTED 4'-0" A.F.F. ALL OTHER FIXTURES SHALL BE MOUNTED 11'-0" A.F.F. UNLESS OTHERWISE NOTED.
4. FOR EMERGENCY LIGHT AND POWER RISER DIAGRAM SEE DRAWING # E-G-2.
5. FOR LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARD SCHEDULES SEE DRAWING # E-G-6.
6. THE LIGHTING LAYOUT FOR GENERATOR ROOM REPRESENTS THE NUMBER, APPROXIMATE LOCATION AND GENERAL ARRANGEMENT OF LIGHT FIXTURES. MINOR DEVIATIONS IN LOCATIONS AND HEIGHTS MAYBE MADE TO AVOID SPECIFIC INTERFERENCES WITH MECHANICAL WORK.
7. FOR GROUNDING SYSTEM DIAGRAM AND DETAILS SEE DRAWING # E-G-2.
8. MAIN TRANSFER SWITCH CONTROL PANEL IS IN THIS CONTRACT FOR INSTALLATION & CONNECTION ONLY. FURNISHED UNDER CONTRACT # 601.00

CONTRACT BID DRAWING DATE MAY 1, 1970

NO.	DATE	SUB. NO.	BY
REVISIONS			
1	7-25-70		

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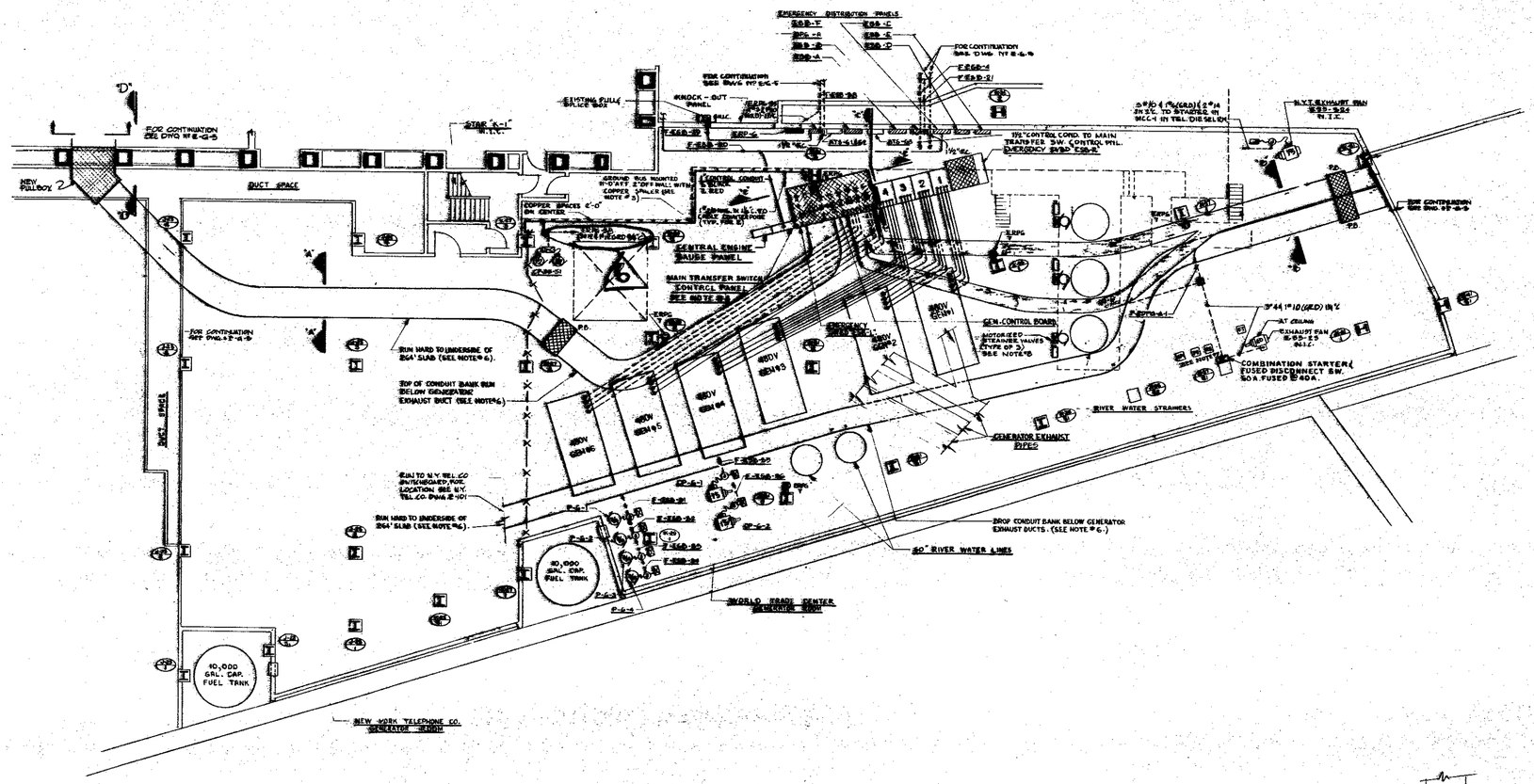
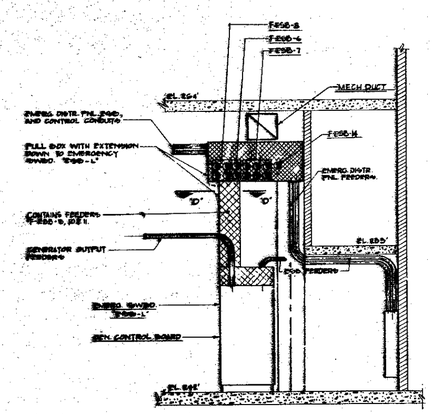
TITLE: **LIGHTING PLAN**

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	1/8" = 1'-0"	DATE	MAY 1, 1970
PROJECT NUMBER	604.00	SHEET	3 OF 6
DRAWING NUMBER	E-G-3		

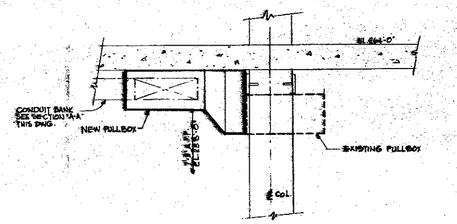
NOTES:

1. FOR LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES SEE DRAWING # E-G-1.
2. FOR EMERGENCY LIGHT AND POWER RISER DIAGRAM SEE DRAWING # E-G-2.
3. FOR GROUNDING SYSTEM DIAGRAM AND DETAILS, SEE DRAWING # E-G-3.
4. MAIN TRANSFER SWITCH CONTROL PANEL IS IN THIS CONTRACT FOR INSTALLATION & CONNECTION ONLY. FURNISHED UNDER CONTRACT # 501.00.
5. FOR LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARD SCHEDULES, SEE DRAWING # E-G-6
6. ALL CONDUIT, PULL BOXES ETC. SHALL MAINTAIN A 2'-0" (MIN.) CLEARANCE FROM GENERATOR EXHAUST DUCTS.
7. SEE DETAIL "D" BLOCK DIAGRAM ON DRAWING NO. E-G-6
8. SEE DETAIL "B" ON DWG. E-E-6 FOR ELECTRICAL CONNECTIONS OF STRAINER VALVES.





SECTION 'C-C'
SCALE: 3/4"=1'-0"



SECTION "D-D'
NOT TO SCALE.

SECTION 'A-A'

1. 1¼" CONTROL COND.
2. 2-#1GAL-2 (3-#10 & #8 GRD)-2"C.
3. F-E56-15
4. F-E56-17
5. F-E56-16
6. F-E56-13
7. F-E56-12
8. F-E56-14
9. F-E56-11
10. F-E56-11
11. F-E56-10
12. F-E56-6
13. F-E56-9
14. 22 #12 BWG - 1"C. -CONTROLS
15. 14 #12 BWG. -3/4"C. -CONTROLS

SECTION 'B-B'

1. 2-E56-13
2. 1¼" CONTROL COND.
3. F-E56-9 (2½"C.)
4. F-E56-8
5. 22 #12 BWG - 1"C. -CONTROLS
6. 14 #12 BWG. -3/4"C. -CONTROLS
7. F-E56-5
8. F-E56-18
9. F-E56-7
10. F-E56-4
11. F-E56-10
12. F-E56-3
13. F-E56-2
14. F-E56-1
15. 6 SETS OF 3-500 MCM, #1/0 NEUTRAL & 1#2 GRD IN 6-3½"C.
16. 4 SETS OF 3-500 MCM, #1/0 NEUTRAL & 1#2 GRD IN 9-3½"C.
17. 6-#10 & 1#8(GRD)-2"C.
18. 2-#10 & 1#8(GRD)-2½"C. (D.C.)

NEW YORK TELEPHONE CO. EMERGENCY FEEDER.

SECTION 'E-E'

1. 1"GAL-2
2. F-GEN-1
3. F-E56-1
4. F-E56-2
5. F-E56-3
6. F-E56-4
7. F-E56-5
8. F-E56-17
9. F-E56-18
10. F-E56-19
11. F-E56-16

CONTRACT BID DRAWING DATE MAY 1, 1970

NO.	DATE	SUB. NO.	BY
1	5-5-70	GP-10	
2	6-25-71	GP-3	
3	6-23-71	GP-5	
4	8-11-71	GP-2	
5	9-2-71	GP-1	
6	7/24/70		

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TITLE: POWER PLAN AND DETAILS

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	1/8" = 1'-0"	DATE	MAY 1, 1970
PROJECT NUMBER	504.00	SHEET #	104 OF 165
DRAWING NUMBER	E-G-4		

SECTION 'E-E'
SCALE: 1/4"=1'-0"

SECTION 'D-D'
SCALE: 1/4"=1'-0"

PART PLAN OF ELEVATION 253'
SCALE: 1/8"=1'-0"

PART PLAN SOUTHEAST ELEC. CLOSET-ELEVATION 254
SCALE: 1/4"=1'-0"

SECTION 'F-F'
SCALE: 1/4"=1'-0"

DETAIL 'A'
SCALE: 1 1/2"=1'-0"

SECTION 'G-G'
SCALE: 1/4"=1'-0"

SECTION 'H-H'
SCALE: 1/4"=1'-0"

SECTION 'I-I'
SCALE: 1/4"=1'-0"

SECTION 'B-B'

SECTION 'C-C'

TYPICAL CONDUIT SUPPORT FROM ELEVATION 254'-254'
SCALE: 3/4"=1'-0"

PART PLAN SHOWING ROUTING OF FEEDER E5B-4
SCALE: 1 1/2"=1'-0"

NOTES:

1. FOR LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES SEE DRAWING #E-G-1.
2. FOR EMERGENCY LIGHT AND POWER RISER DIAGRAM SEE DRAWING #E-G-2.
3. FOR LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARD SCHEDULES, SEE DRAWING #E-G-6
4. 19 SETS OF 3-500 MCM, 1#350 NEUTRAL (1"C.&RED) 4 15-3/4"C. AND 2-3 1/2" E.C. AND 2#4/0 #6 (GRD)-2 1/2"C. (D-4) UP TO CABLE TAP BOX ON 19TH FL./EXACT LOCATION AS DETERMINED IN FIELD. ALL FEEDERS SHALL TERMINATE WITHIN CABLE TAP BOX WITH 15'-0" SLACK FOR FUTURE EXTENSION. FEEDER ENDS SHALL BE CAPPED AND SECURED.
5. E-4 SS-SB: UP TO 37.5KVA 480V 3C 3W PER VAULT, 120/208V 3Ø 4W SECONDARY DRY TYPE TRANSFORMER MOUNTED UNDER 254' SLAB ON EAST SIDE OF COLUMN M9 (E-5).
6. 4"Ø 1"C. (GRD)-3"C. UP TO PANEL 'EEPA' IN SECURITY CONTROL ROOM ON EL. 204' PANEL TO BE I.C. CONNECTION TO PANEL IS PART OF THIS CONTRACT.
7. E-1 1/2"C. UP TO SECURITY ROOM EL. 204' TERMINATE WITH CAPPED BUSHING 6'-6" A.F.F.
8. SEE DETAIL 'D' BLOCK DIAGRAM, DRAWING #E-G-6

NO.	DATE	REVISIONS
6	11-14-72	GP-8
5	5-8-72	GP-6
4	5-8-72	GP-5
3	10-20-71	GP-5
2	10-20-71	GP-5
1	10-20-71	GP-3
A	3-6-71	GP-1

CONTRACT BID DRAWING DATE MAY 1, 1970

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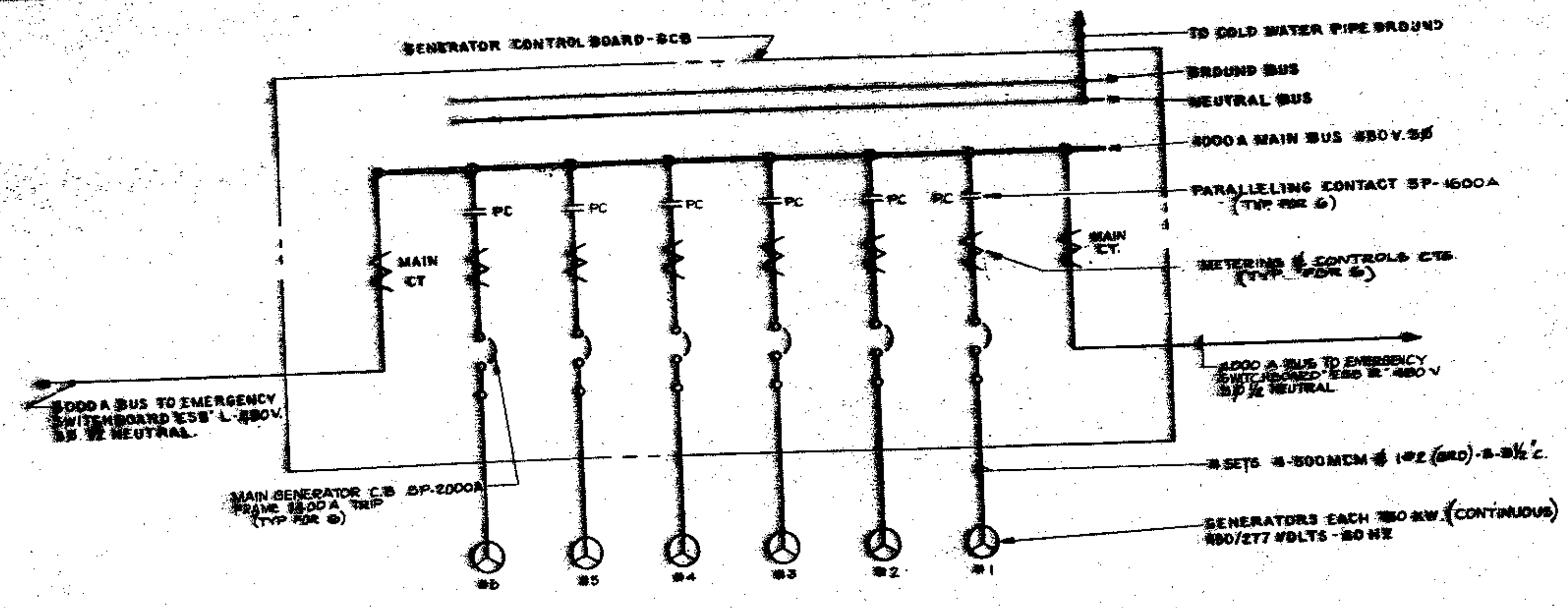
TITLE: HORIZONTAL ROUTING PLAN

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	1/32"=1'-0"	DATE	MAY 1, 1970
PROJECT DESIGNATION	604.80	SHEET	5 OF 6
CHECKED DESIGNER			

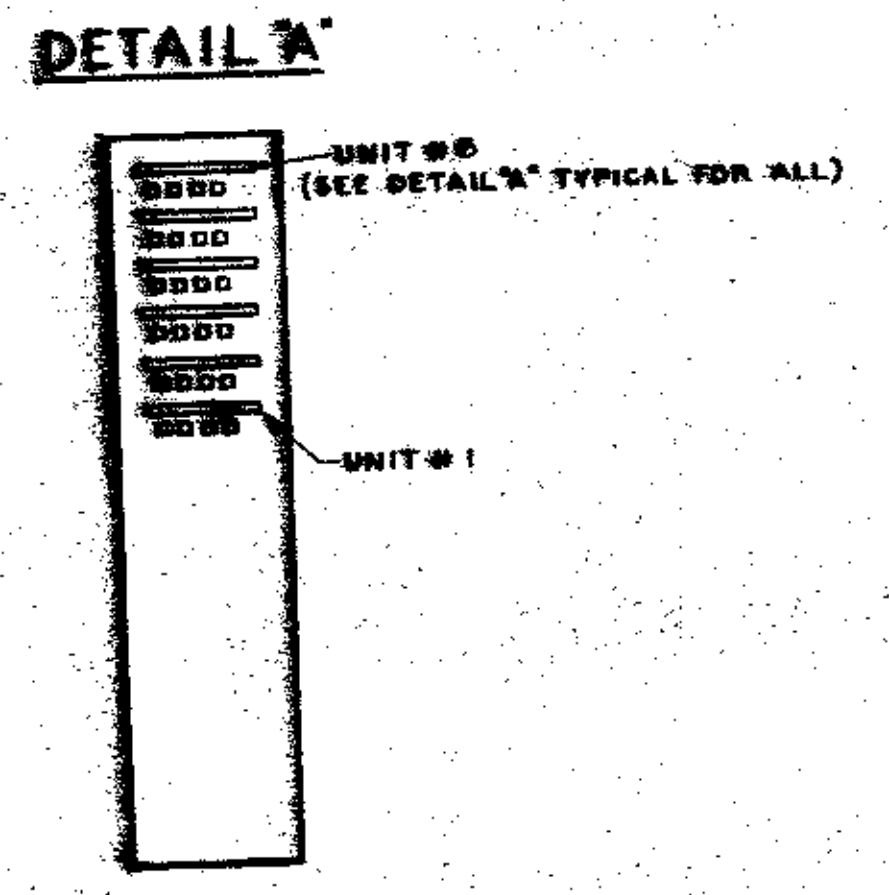
E-G-5



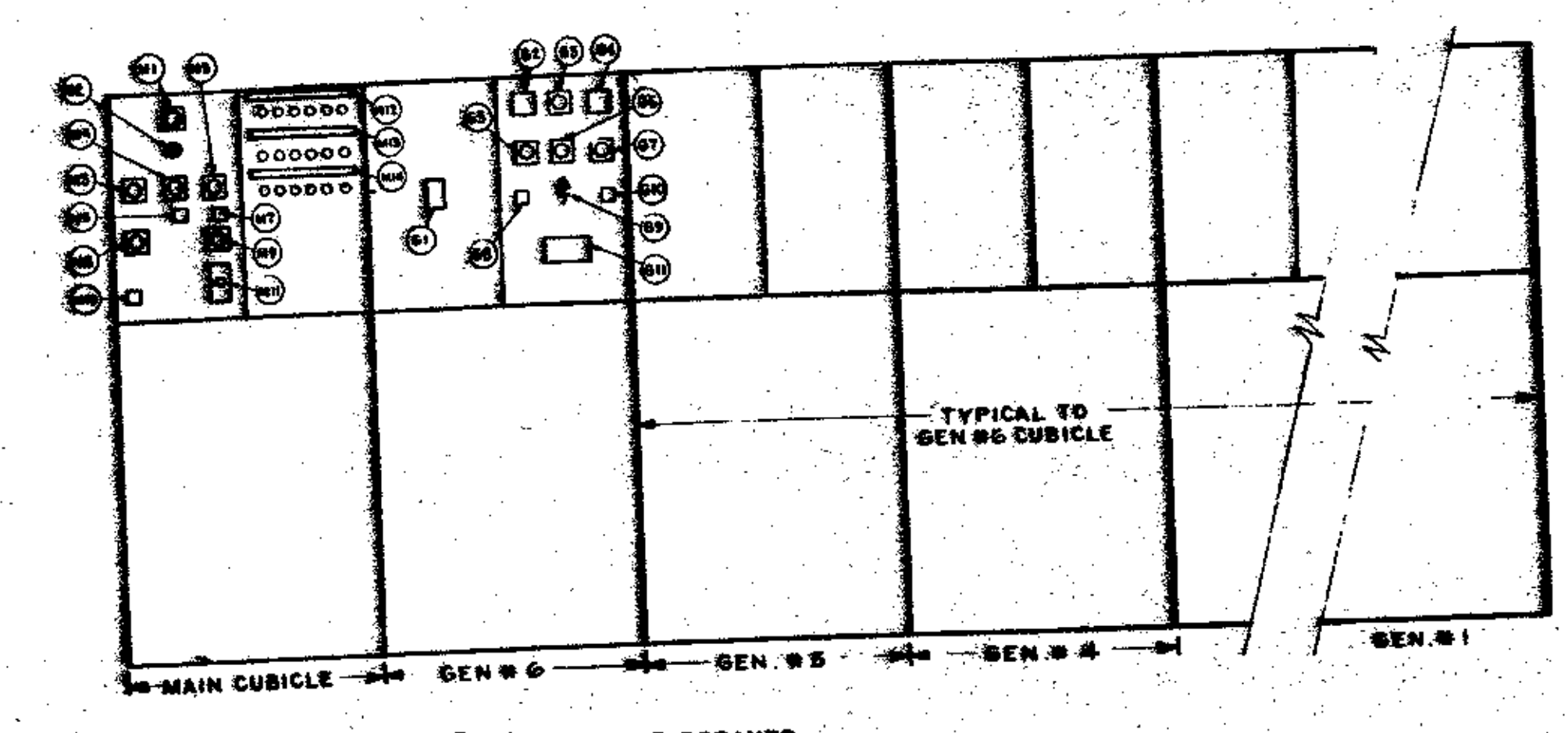
GENERATOR ONE LINE DIAGRAM



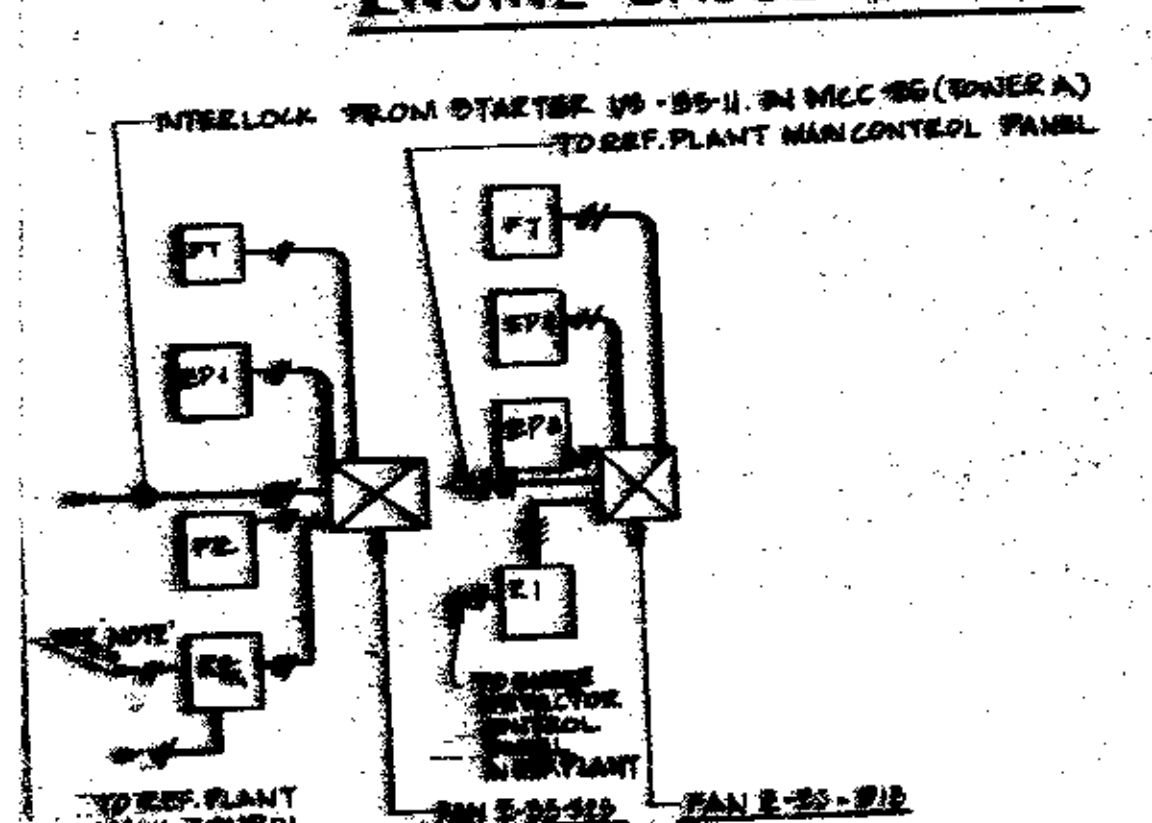
DETAIL 'A'



ENGINE GAUGE BOARD

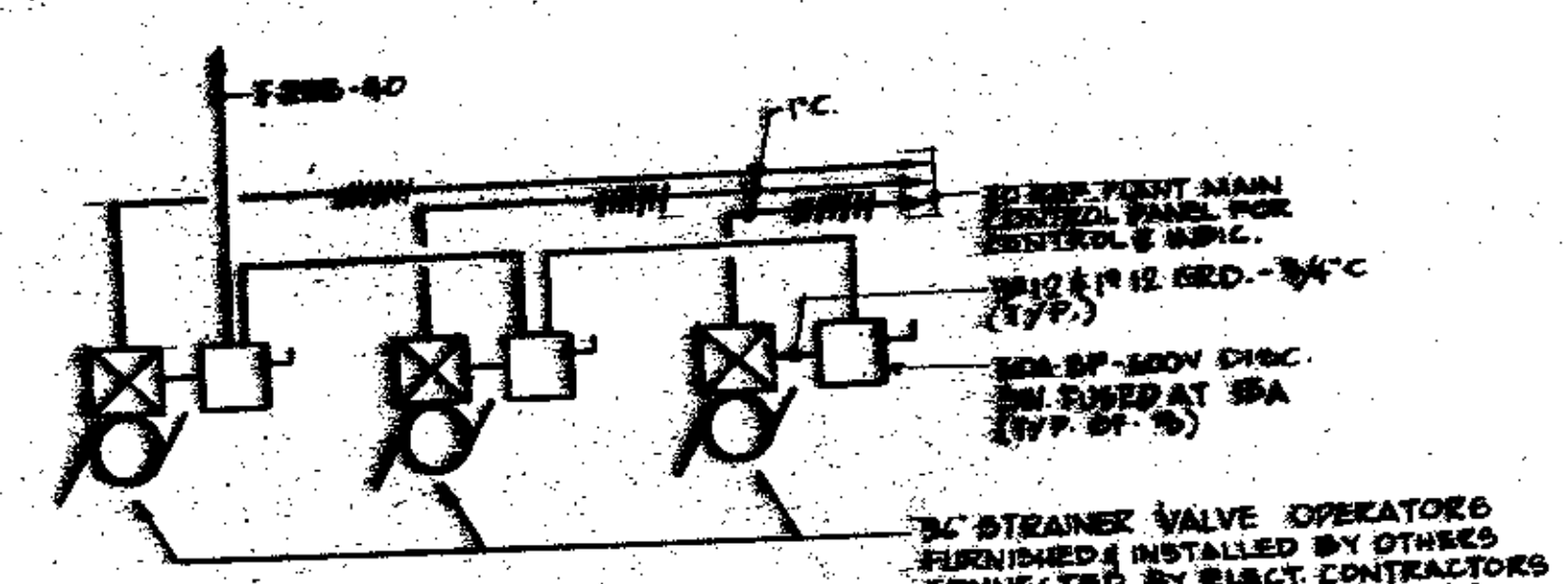


- M1 - ALARM HORN
- M2 - ALARM SILENCER
- M3 - FREQUENCY METER
- M4 - GEN. AMMETER
- M5 - GEN. VOLTMETER
- M6 - AMMETER SWITCH
- M7 - VOLTMETER SWITCH
- M8 - WATT VARMETER
- M9 - SYNCHROSCOPE
- M10 - MODE SWITCH
- M11 - SYNCHROSCOPE PLANT SELECTOR
- M12 - UNIT RUNNING
- M13 - UNIT IDLE
- M14 - UNIT LOCKOUT
- G1 - MAIN CIRCUIT BREAKER
- G2 - DROOP SETTING
- G3 - RUNNING TIME METER
- G4 - VOLTAGE SETTING
- G5 - GEN. AMMETER
- G6 - FREQUENCY METER
- G7 - GEN. VOLTMETER
- G8 - AMMETER SWITCH
- G9 - GOVERNOR SETTING
- G10 - VOLTMETER SWITCH
- G11 - AUTO ENGINE START CONTROL (SEE DETAIL 'B')



DETAIL 'D' EXHAUST FANS CONTROL WIRING BLOCK DIAGRAM

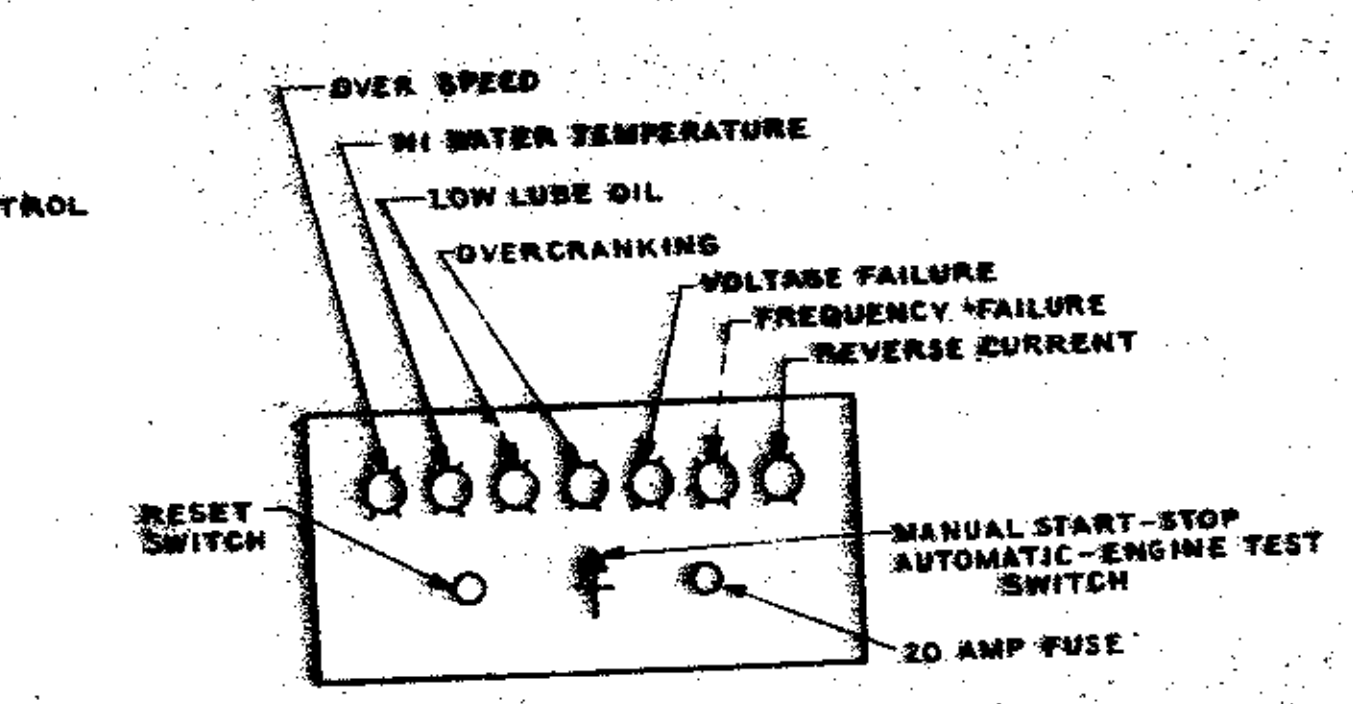
ALL CONTROL DEVICE SHALL BE FURNISHED BY OTHERS INSTALLED & CONNECTED BY ELECT. CONTRACTOR.



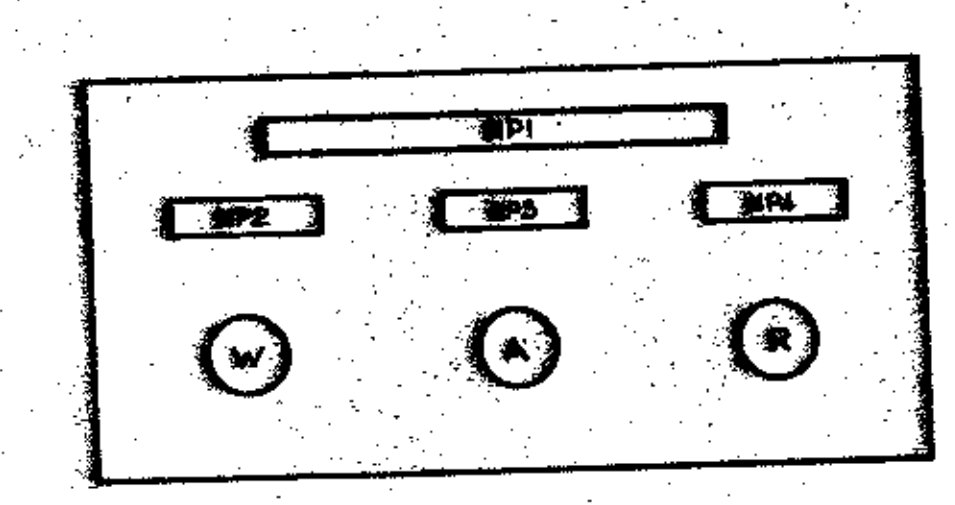
DETAIL 'E' STRAINER VALVE OPERATORS

LEGEND FOR DETAIL 'D'

- EP—ELECTRO PNEUMATIC SOLENOID
- FT—FIRESTAT
- LO—LOCKOUT PUSH BUTTON
- PE—PNEUMATIC ELECTRIC SWITCH
- R1—CONTROL RELAY
- RE—CONTROL RELAY ON EMERGENCY SOURCE



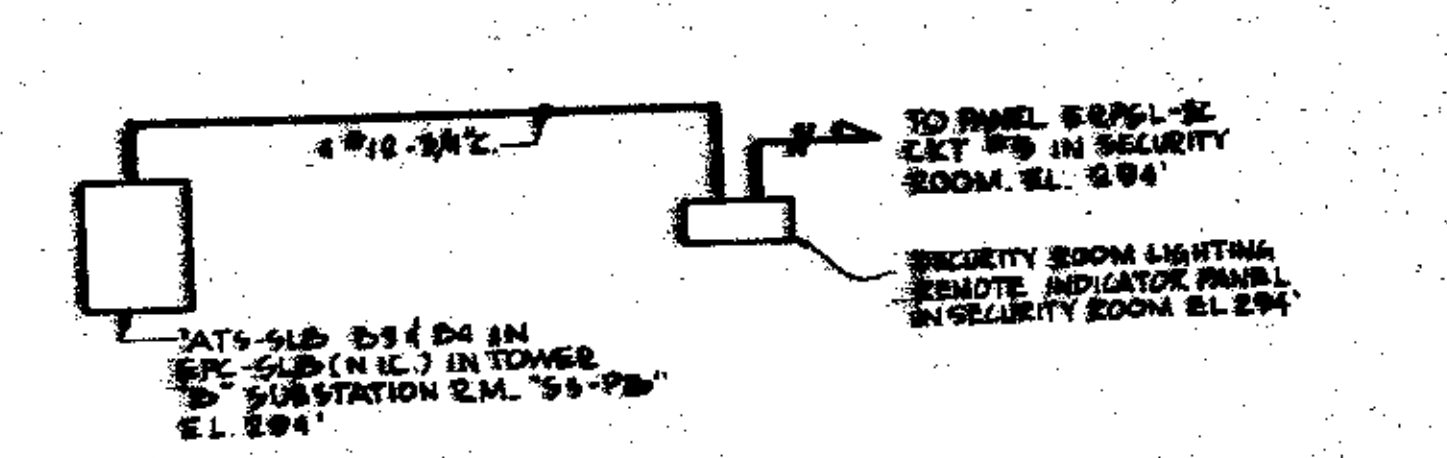
DETAIL 'B'



DETAIL 'C' SECURITY ROOM LTG. REMOTE INDICATOR PANEL

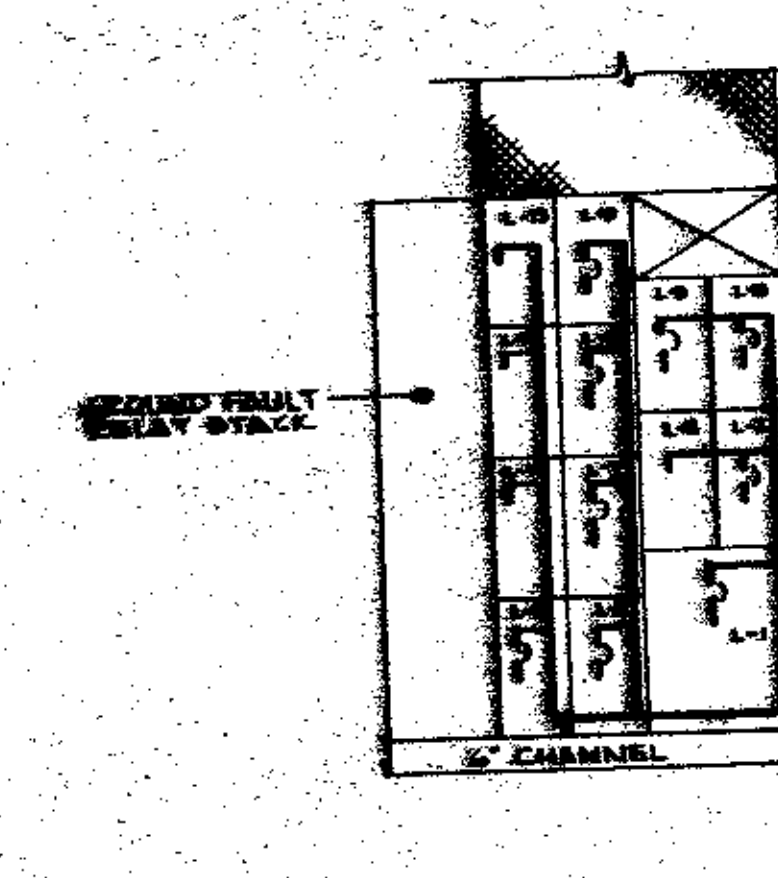
N.T.S.
SEE NOTES 4 & 5

- NP1 - SECURITY ROOM LIGHTING SUPPLY
- NP2 - ON SECOND NORMAL FEEDER
- NP3 - EMERGENCY GENERATOR REQUIRED
- NP4 - ON EMERGENCY FEEDER



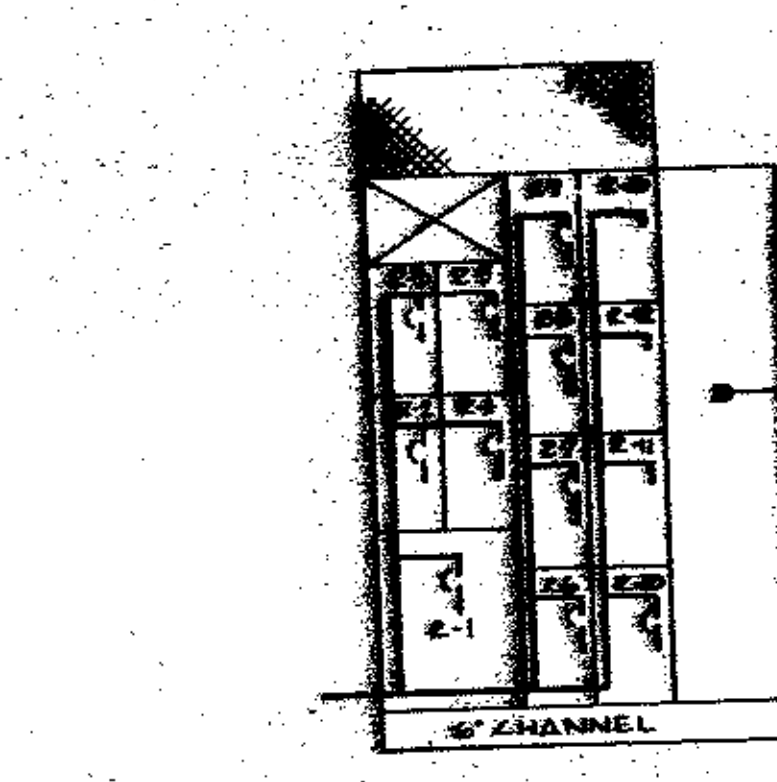
DETAIL 'D' REMOTE INDICATOR PANEL BLOCK DIAGRAM

SCHEDULE OF ELECTRICALLY OPERATED MECHANICALLY HELD 3φ 600V. POWER TRANSFER SWITCHES FOR 277/408V. OPERATION								
SWITCH DESIGNATION	LOCATION	ENCLOSURE	LINE I & LOAD		LINE II		ACCESSORIES (SEE NOTE #2)	REMARKS
			CAPACITY	FEEDER	CAPACITY	FEEDER		
ATS-B1 & ATS-B2	GEN. ROOM	SEPARATE WALL MOUNTED CABINET	150A	1#3/0/φ, 150A BUS, 1#3/0/φ, 1#3/0/φ	150A / 150A	1#3/0/φ / 150A. BUS	a1, a2, a3, j / a3, a4, e2, j	AUTOMATIC 3 SOURCE ARRANGEMENT
ATS-B3	GEN. ROOM	SEPARATE WALL MOUNTED CABINET	400A	1#500MCM/φ, 1#500MCM/φ	400A	1#500MCM/φ	a5, a6, e3, e4, j	AUTOMATIC FOR MOTOR OPERATION
ATS-S4	REF. PLANT	SEPARATE WALL MOUNTED CABINET	100A	1#8/φ, 1#6/φ	100A	1#6/φ	a5, a6, e3, e4, j	AUTOMATIC FOR MOTOR OPERATION OF PUMP No. 2 OF SUMP PUMP No. 5
ATS-S5	REF. PLANT	SEPARATE WALL MOUNTED CABINET	100A	1#8/φ, 1#6/φ	100A	1#6/φ	a5, a6, e3, e4, j	AUTOMATIC FOR MOTOR OPERATION OF PUMP No. 1 OF SUMP PUMP No. 5



EMERGENCY SWITCHBOARD "ESB.-L"

SCALE 3/8" = 1'-0"



EMERGENCY SWITCHBOARD "ESB.-R"

SCALE 3/8" = 1'-0"

NOTES:

1. FOR LIST OF DRAWINGS, SYMBOL LIST AND GENERAL NOTES SEE DRAWING # E-G-1
2. FOR DESCRIPTION OF ACCESORIES AND OPERATING OF TRANSFER SWITCHES SEE SPECIFICATIONS.
3. FOR EMERGENCY LIGHT AND POWER RISER DIAGRAM SEE DRAWING # E-G-2.
4. PROVIDE AUXILIARY CONTACT IN "ATS-SLB4" FOR REMOTE INDICATION OF TRANSFER SWITCH OPERATION.
5. PROVIDE AUXILIARY CONTACTS IN "ATS-SLB3" FOR REMOTE INDICATION OF BOTH TRANSFER SWITCH OPERATION AND ENGINE START.
6. ERPG-2 3A ND AUX CONTACTS ON AUTO TRANSFER SW ATS G1 & G2. CONTACTS SHALL CLOSE WHEN TRANSFER SWITCH IS IN EMERG. POSITIONS ONLY.

480V. EMERGENCY SWITCHBOARD SCHEDULES 3φ-½ NEUT.									
SWITCHBOARD DESIGNATION	CUBICLE NUMBER	FEEDER DESIGNATION	PROTECTIVE DEVICE: DEVICE RATING AMPS	POLES	TYPE *	TRIP RATING AMPS	FEEDER	SERVICE TO	REMARKS
ESB-L	L-1	F-ESB-10	2000	3	C/B	1600	6 SETS OF 3#500 MCM & 1#(GRD)-4½"C.	TOWER 'A' ELEVATORS	VIA EPL-4A, EPL-7A, EPL-108A
	L-2	F-ESB-3	800	3	C/B	600	2 SETS OF 3#350MCM & 1#(GRD)-2½"C.	FIRE PUMPS TOWERS 'A' & 'B'	VIA TS-ASL & TS-BSL
	L-3	F-ESB-26	800	3	C/B	400	2 SETS OF 3#3/0 & 1#4(GRD)-2-½"C.	EMERGENCY DIST. PNL. ESB-D	FOR TV TRANSMITTER
	L-4		800	3				SPACE ONLY	
	L-5	F-ESB-37	800	3	C/B	800	3#500MCM & 1#2(GRD)-3½"C.	EMERGENCY DIST. PNL. ESB-E	VIA EPL-7A, EPL-41A, EPL-75A, EPL-108
	L-6	F-ESB-11	1200	3	C/B	1000	4 SETS OF 3#500MCM & 1#(GRD)-4½"C.	TOWER 'A' LIGHTING & PDE	
	L-7	F-ESB-28	800	3	C/B	150	3#250 MCM & 1#6(GRD)-3½"C.	EMERGENCY DIST. PNL. ESB-F	
	L-8		800	3	C/B	800		SPARE	
	L-9		800	3	C/B	800		SPARE	
	L-10		800	3	C/B	800		SPARE	
	L-11		800	3				SPACE ONLY	
	L-12		800	3				SPACE ONLY	
	L-13		800	3				SPACE ONLY	
ESB-R	R-1	F-ESB-7	2000	3	C/B	1600	6 SETS OF 3#500MCM & 1#(GRD)-4½"C.	TOWER 'B' ELEVATORS	VIA EPL-41B, EPL-75B, EPL-108B
	R-2	F-ESB-6	800	3	C/B	600	2 SETS OF 3#500MCM & 1#(GRD)-3½"C.	FIRE PUMPS & 1ST FL. TOWER 'B'	VIA TS-BSL & TS-BSL
	R-3	F-ESB-30	800	3	C/B	800	2 SETS OF 3#500MCM & 1#(GRD)-3½"C.	EMERGENCY DIST. PNL. ESB-C	
	R-4	F-ESB-1	800	3	C/B	800	3#500MCM & 1#2(GRD)-3½"C.	EMERGENCY DIST. PNL. ESB-A	
	R-5	F-ESB-14	800	3	C/B	200	3#4/0 & 1#6(GRD)-2"C.	SPRINKLER PUMP TWR 'A'	VIA ATS-4LA
	R-6	F-ESB-8	1200	3	C/B	1000	4 SETS OF 3#500MCM & 1#2(GRD)-4½"C.	TOWER 'B' LIGHTING & PDE	VIA EPL-7B, EPL-75B, EPL-108B
	R-7	F-ESB-24	1200	3	C/B	1000	3 SETS OF 3#500MCM & 1#(GRD)-3½"C.	EMERGENCY DIST. PNL. ESB-B	
	R-8		800	3	C/B	800		SPARE	
	R-9		800	3	C/B	800		SPARE	
	R-10		800	3	C/B	800		SPARE	
	R-11		800	3				SPACE ONLY	
	R-12		800	3				SPACE ONLY	
	R-13		800	3				SPACE ONLY	

DISTRIBUTION AND POWER PANELBOARD SCHEDULES									
PANEL DESIGNATION	CKT. NO	FEEDER SYMBOL	PROTECTIVE DEVICE: DEVICE RATING AMPS	POLES	TYPE	TRIP RATING AMPS.	FEEDER	SERVICE TO	REMARKS
ESB-A 480V	1	F-ESB-2	400	3	C/B	250	3#3/0 & 1#6(GRD)-2½"C	EXHAUST FAN E-55-50 & E-55-523	FOR EMERGENCY GENERATOR COOL. IN PUMP HOUSE-FEEDER (N.I.C)
	2	F-PH10	225	3	C/B	175	3#3/0 & 1#6(GRD)-2½"C	RIVER WATER PUMP & MCC #3	
	3	F-ESB-31	100	3	C/B	15	3#12 & 1#12(GRD)-¾"C	FUEL OIL TRANSFER PUMP	¾ H.P.
	4	F-ESB-32	100	3	C/B	15	3#12 & 1#12(GRD)-¾"C	FUEL OIL TRANSFER PUMP	¾ H.P.
	5	F-ESB-33	100	3	C/B	15	3#12 & 1#12(GRD)-¾"C	FUEL OIL TRANSFER PUMP	¾ H.P. (STAND BY)
	6	F-ESB-34	100	3	C/B	15	3#12 & 1#12(GRD)-¾"C	OVERFLOW & OIL DRAIN TRANSFER	¾ H.P.
	7	F-ESB-35	100	3	C/B	50	3#10 & 1#12(GRD)-¾"C	SWEET WATER CIR. PUMP	15 H.P.
	8	F-ESB-36	100	3	C/B	50	3#10 & 1#12(GRD)-¾"C	SWEET WATER CIR. PUMP	15 H.P. (STAND BY)
	9	F-ESB-40	100	3	C/B	30	3#10 & 1#12(GRD)-¾"C.	MOTORIZED STRAINER VALVES	3@ 5.6 RUNNING AMPS.
	10		100	3	C/B	100		SPARE	
ESB-B 480V	1	F-ESB-8	400	3	C/B	400	3-500 MCM & 1#2 GRD.-3½"C.	NE PLAZA LTG. & ELEVATORS	VIA EPL-NE
	2	F-ESB-9	400	3	C/B	300	2½" E.C.	HOTEL LTG. & ELEVATORS	VIA EPL-H (TO BE COMPLETED)
	3	F-ESB-12	400	3	C/B	300	3-500MCM & 1#2 GRD.-3½"C.	CUSTOMS LTG. & ELEVATORS	VIA EPL-CL-C
	4	F-ESB-21	400	3	C/B	400	3½" E.C.	SE PLAZA LTG. & ELEVATORS	VIA EPC-SE (TO BE COMPLETED)
	5		225	3	C/B	225		SPARE	
	6		225	3	C/B	225		SPARE	
ESB-C 480V	1	F-ESB-20	225	3	C/B	200	3#4/0 & 1#6(GRD)-2½"C	REFRIGERATION PLANT LTG. & R. COMP. ROOM	VIA ATS-R1 & R2
	2	F-ESB-13	800	3	C/B	600	2 SETS OF 3-350 MCM & 1#4 GRD.-2½"C	SUB-GRADE & TOWER 'A' LTG. & ELEVATORS	VIA EPC-SLA
	3	F-ESB-5	800	3	C/B	600	2 SETS OF 3-350 MCM & 1#4 GRD.-2½"C	SUB-GRADE & TOWER 'B' LTG. & ELEVATORS	VIA EPC-SLB
	4		100	3	C/B	60		FUTURE WATER APPARATUS	TO BE COMPLETED
	5		225	3	C/B	225		SPARE	
	6		400	3	C/B	400		SPARE	
ESB-D 480V	1		100	3	C/B	100		SPARE	
	2		225	3	C/B	200		SPARE	
	3		100	3	C/B	100		SPARE	
	4		100	3	C/B	100		SPARE	
	5		100	3	C/B	100		SPARE	
	6		225	3	C/B	225		SPARE	
	7		100	3	C/B	100		SPARE	
	8		225	3	C/B	225		SPARE	
ESB-E 480V	1	F-ESB-17	100	3	C/B	70	3#8 & 1#12(GRD)-1"C	EXHAUST FAN E-53-52	PATH STAIR VENT. NORTH PROJECTION
	2	F-ESB-19	100	3	C/B	70	3#8 & 1#12(GRD)-1"C	EXHAUST FAN E-52-56	PATH STAIR VENT. SOUTH PROJECTION
	3	F-ESB-16	225	3	C/B	200	3#2/0 & 1#6(GRD)-2"C	SUMP PUMP #4, RCS-55-5, RCR-55-5	
	4	F-ESB-18	225	3	C/B	125	3#4 & 1#10(GRD)-1¼"C	SEWAGE EJECTOR #3	
	5		225	3	C/B	225		SPARE	
	6	F-ESB-37	100	3	C/B	60	3#6 & 1#12(GRD)-1¼"C	PUMP #2 OF SUMP PUMP #5	VIA ATS-S4
ESB-F 480V	1	F-ESB-19	100	3	C/B	80	3#4 & 1#12(GRD)-1"C	A.C. UNITS RCPH-55-51 & 52	IN AMPLIFIER ROOM
	2	F-ESB-38	100	3	C/B	30	3#6 & 1#8(GRD)-1¼"C	ALARM PANELS	IN SECURITY ROOM (TO BE COMPLETED)
	3	F-ESB-39	225	3	C/B	150	3#3/0 & 1#6(GRD)-2"C	ERP-G IN GENERATOR ROOM	VIA 100 KVA. TRANSFORMER
	4		225	3	C/B	225		SPARE	
DPG-A 480V	1	F-DPG-A-1	225	3	C/B	150	3#4/0 & 1#6(GRD)-2"C	EMERG. DIST. PNL. ESB-F	VIA ATS-B1 & B2
	2	F-DPG-A-2	800	3	C/B	500	2-500MCM & 1#2(GRD)-3½"C	EMERG. DIST. PNL. ESB-A	VIA ATS-B3
	3		225	3	C/B	225		SPARE	

EMERGENCY LIGHTING PANELBOARD SCHEDULES												
PANEL DESIGNATION	DESIGN LOAD: KW.	AMPS.	MAINS: CAPACITY AMPS.	BREAKERS FRAME AMPS.	TRIP AMPS.	NO. OF POLES	BRANCHES: BRANCH CIRCUIT NUMBERS	BREAKER FRAME AMPS.	BRK. TRIP SETTING AMPS.	NO. OF POLES	SERVICE TO	REMARKS
ERP-G 120/208V.			225				1-8	50	15	1	GENERATOR RM. LTG. & RECEPTS.	
							9,11,13,15,17,19,21	50	15	1	BATTERY CHARGES	1/3 HP. EACH
							10,12,14,16,18,20,22	50	15	1	GOVERNORS	
							23,25	50	15	1	GEN. CONTROL BD.	
							24	50	15	1	ELEC. OPERATE BRKS.	IN "ESB"
							26-32	50	15	1	CRANK CASE HEATERS	
							33	50	15	1	HIGH WATER ALARM FOR SUMP PUMP #4	
							35	100	15	3	CP-55-81	DUPLEX PUMP 2 @ ½ H.P.
							[illegible]	100	100	3	ERP-FAC (IN AMPLIFIER RM)	
							36	50	15	1	CONT. RELAY FOR ESB #4	
SURFACE MOUNTED							[illegible]	50	15	1	SPARES	
ERP-FAC 120/208V IN AMPLIFIER ROOM			100				1-15	50	20	1	SPARES	
							14-18	50	15	1	SPARES	
							1	50	20	1	SPARE	
SURFACE MOUNTED												

CONTRACT BID DRAWING DATE MAY 1, 1970

NO.	DATE	DWL. NO.	BY
6	5-3-73	GP-10	
5	6-14-72	GP-8	
4	6-9-72	GP-7	
3	4-26-72	GP-6	
2	8-23-71	GP-5	
1	7/20/70		

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

LIGHTING PANEL, MAIN AND DISTRIBUTION SWITCHBOARD SCHEDS. AND DETAILS

DRAWN R.F.H. — CHECKED J.R.L.
SCALE AS NOTED — DATE MAY 1, 1970
CONTRACT 664.BC — SHEET 6 OF 6

E-G-6

EG 6

MATCH LINE N.4785 FOR CONTINUATION SEE DWG. E-J-K

TOWER A ELEV. 310' N.I.C. EXCEPT AS SHOWN

TOWER 'B' ELEV. 310' N.I.C. EXCEPT AS SHOWN

FOR CONTINUATION SEE RISER ON DWG E-J-K-16

RAMP 'B' SEE NOTE #5

STAIR 'A'

2-5" CONDUIT SLEEVES (SEE NOTE #7).

UH-SL-810 3Ø, 460V 9W

MOTORIZED DOOR 460V-3Ø (SEE NOTE #9)

FOR CONTINUATION OF RAMP LTG. SEE DWG E-K-13

RAMP 'M' SEE NOTE #6

SOUTH PROJECTION ELEV. 305

WEST STREET

FOR CONTINUATION REFER TO DWG E-K-15

KEY OPERATED REMOTE START-STOP PUSH BUTTON FOR EXH. FAN E-32-S6 REFER TO DWG. E-J-K-17 FOR WIRING DIAGRAM

STAIR K-17

IN VESTIBULE

ROAD PHONE

BALL ROOM (N.I.C.)

HOTEL ESC. H1 & H-4 (N.I.C.)

HOTEL LOBBY (N.I.C.)

HOTEL PASSENGER ELEVS (N.I.C.)

HOTEL SERVICES (N.I.C.)

PASS. ELEV. LOBBY

MOUNT OVER DOOR

MOUNT 9'-0" ABOVE EL. 324'-6" (OVER SHEAVE LEVEL)

ELEV. LOBBY

STAIR K-2 (N.I.C.) DOWN TO TYPE FC FIXT. IN ELEV. LOBBY ON EL. 294

STAIR K-3

HOTEL ESC. (N.I.C.) H-3 & H-4

HOTEL SERVICE ELEVS (N.I.C.)

CORRIDOR (N.I.C.)

SHOP (N.I.C.)

M.E.R. #2 (N.I.C.)

FAI PLENUM

STAIR K-6A

PIPE SPACE

STAIR K-6

STAIR K-5

STAIR K-4 (N.I.C.)

STAIR K-1 (N.I.C.) IN STAIRWELL

STAIR K-2

ELEVATOR MACHINE ROOM

AUXILIARY SERVICES

A.C. EXHAUST SHAFT

STAIR K-7A PIT TYPE 'PE'

RAMP 'N' SEE NOTE #6

LIBERTY STREET

NORTH

KEY PLAN

NOTES:

1. LIGHTING FIXTURES IN RAMP 'M' TO BE PENDANT MOUNTED FROM 552' LEVEL MTG. HT. TOP OF FIXTURE 9'-1" A.F.F. FIXTURES SHALL BE TYPE "F1", UNLESS SPECIFICALLY NOTED OTHERWISE.
2. FOR EMERGENCY STAIR AND EXIT LIGHT RISER DIAGRAM. SEE DWG. E-J-K-20.
3. FOR LIGHT AND POWER RISER DIAGRAM SEE DWG. E-J-K-18
4. MAGNETIC STARTER & PUSH BUTTON (OPEN-CLOSE-STOP) SHALL BE FURNISHED BY DOOR MANUFACTURER, ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT.
5. FOR RAMP 'A' LIGHTING AND SNOW MELTING SYSTEM SEE DWG. E-J-K-17.
6. FOR RAMP 'M' LIGHTING AND SNOW MELTING SYSTEM SEE DWG. E-J-K-16.
7. FOR DETAIL OF CONDUIT SLEEVES SEE DWG. E-J-K-22.
8. REFER TO SPECIFICATIONS FOR IDENTIFICATION AND MARKINGS OF ELECTRICAL EQUIPMENT AND FEEDER CONDUITS ORIGINATING EITHER FROM TRADE CENTER AND/OR PATH DISTRIBUTION FACILITIES, AND WHICH EXTEND INTO ADJACENT AREAS.
9. FOR ALL MOTOR CONTROL SCHEMATICS REFER TO DWG. E-J-K-27.
10. FOR EMERGENCY SINGLE LINE DIAGRAM SEE DWG. E-K-10A.
11. FOR EMERGENCY CONTROL SYSTEM RISER DIAGRAM SEE DWG. E-K-11A.

RECEIVED
JUL 31 1990
LESLIE E. ROBERTSON ASSOCIATES
811 EAST 46TH ST., N.Y.C. 10017

BULLETINS NOT DATED ARE IN PROCESS OF COMPLETION.

CONTRACT DRAWING date SEPT. 3, 1968

NO.	DATE	BUL. NO.	BY
15	6-73	56-213	
14	6-22-73	56-210	
13	6-6-73	56-209	

REVISIONS

NO.	DATE	BUL. NO.	BY
12	3-3-71	56-169	
11	11-20-70	56-126	
10	9-28-70	56-119	
9	4-7-70	56-90	
8	2-2-70	56-84	
7	8-2-69	56-24	
6	2-13-69	56-18	
5	2-14-68	56-12	
4	8-8-68		
3	7-31-68		

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
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ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
LIGHTING AND POWER SUB-GRADE PLAN-ZONE 'K' ELEV. 310

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	1/16"=1'-0"	DATE	JUNE 25, 1968
PROJECT NUMBER	402.00	SHEET 15 OF 51	
DRAWING NUMBER	E-K-15		

1/16"=1'-0" scale

NORTH

FAI PLENUM

PLENUM TYPE "S"

GARAGE EA MAKE UP AIR 25,000 CFM

FAI M.O. 4'-0"W x 7'-0"H W/ 1/2" WIRE MESH SCREEN

ALD 4'-0"W x 7'-0"H (15,000)

GREENHEAT FILTER

2" MPS 1/4" COND

FD EA 25 x 66

4"LPS

SHAFT NO 57-1

EQUAL SPLIT

48 x 36 FLE TYPE 'H' DUCT TIE-IN STEEL

ELECTRIC SUB-STATION

12 RBT 30-12 915 CFM EA.

NOTE: INSULATE ALL SUPPLY DUCTWORK WITHIN ELECTRIC SUB-STATION ROOM IN ACCORDANCE WITH SPECIFICATION PARAGRAPH 62.C.1.2.

3 BUILDING SERVICES UNASSIGNED SPACE # 2

ELEV. LOBBY

(3) CTG TYPE 'C' 24 x 12 1500 EA

N.I.C.

STAIR 54

(6) CDS TYPE A2-8 CFM AS NOTED

JANITORIAL OFFICE

3 CDS TYPE A2-10 255 CFM EA.

PUMP ROOM

NOTE: INSULATE ALL SUPPLY DUCTWORK WITHIN PUMP ROOM IN ACCORDANCE WITH SPECIFICATION PARAGRAPH 62.C.1.2.

4 LPR TYP FOR 3 HOT WATER HEATERS

SHAFT NO. 57-5

SHAFT NO 57-20

2 CDS TYPE A2-15 670 CFM EA

12 RBT 18x12 (6403 CFM) RISER INTO HAUNCH

LINEAR GRILLE PLENUM TYPE R, TYPICAL EXCEPT AS NOTED SEE PLENUM SCHEDULE DWG. NO. M-A-13

SHAFT NO 57-14

PLENUM TYPE "T"

PLENUM TYPE "U"

PLENUM TYPE "T"

PLENUM TYPE "U"

PLENUM TYPE "S"

PLUMBING PIPES

SHAFT NO. 57-15

SHAFT NO 57-16

SHAFT NO. 57-18

NOT INCLUDED IN BASE CONTRACT

ELEVATOR PIT

ELEVATOR PAD STORAGE

JANITORS CLOSET

MEN

WOMEN

STAIR 3

ELEC CL 'C'

ESCALATOR

2 CDS TYPE A1-G 115 CFM EA.

4 CDS TYPE A1-G 115 CFM EA

5 CDS TYPE A2-15 690 CFM EA

2 CDS TYPE A1-8 175 CFM EA

SHAFT NO. 57-13

CORRIDOR

SHAFT NO. 57-25

24" CHWRL

24" CHWSL

C.P. #5

SHAFT NO. 57-23

SHAFT NO. 57-27

2 CDS TYPE A1-8 150 CFM EA

6 CDS A2-10 400 CFM EA

U.S. MAIL ROOM

3 CDS TYPE A2-10 290 CFM EA.

AIR LOCK

LOADING DOCK VEST.

10 CDS TYPE A2-10 360 CFM EA.

BUILDING SERVICES UNASSIGNED SPACE #1

3

SHAFT NO. 57-11

EQ. SP.

2 CDS TYPE A1-8 175 CFM EA

FAI SHAFT

FAI PLENUM

L 2-17-71

1/8"=1'-0" scale 5 0 5 10 15 20 feet

CONTRACT BID DRAWING date 10-16-67

NO	DATE	BUL. NO.	BY
3	3-8-71	A-118	JS
2	5-24-68	A-4	AL
1	3-1-68		

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE STATE OF NEW YORK REGISTERED ARCHITECT No. 23674 LICENSED PROFESSIONAL ENGINEER

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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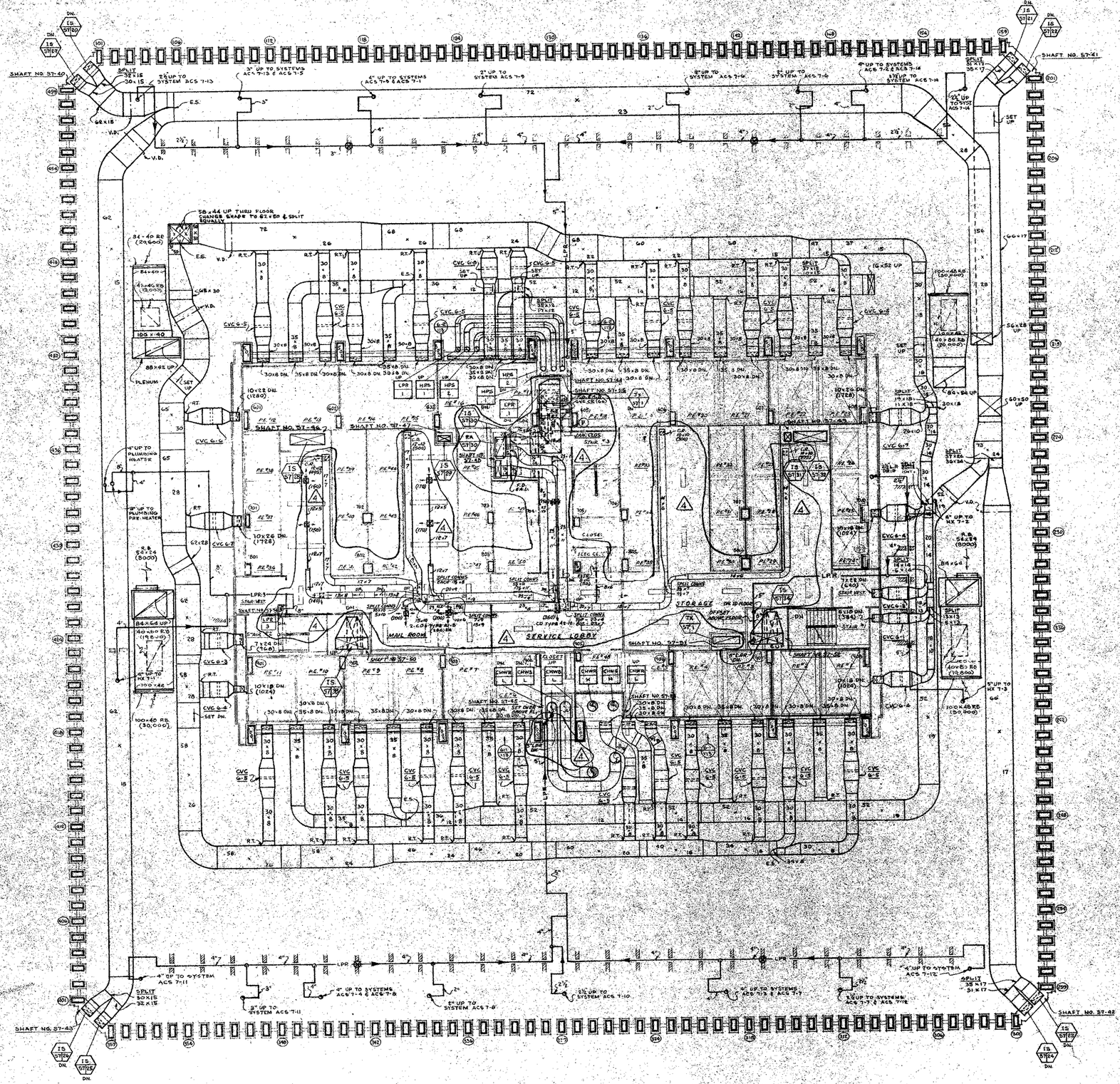
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SERVICE LEVEL ELEV. 294 FL. PLAN

DRAWN	W.R.	CHECKED	
SCALE	1/8"=1'-0"	DATE	10-16-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	M-A-12		


NORTH
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SHAFT NO. 57-41
SHAFT NO. 57-42
SHAFT NO. 57-43
SHAFT NO. 57-46
SHAFT NO. 57-47
SHAFT NO. 57-48
SHAFT NO. 57-49
SHAFT NO. 57-50
SHAFT NO. 57-51
SHAFT NO. 57-52
SHAFT NO. 57-53
SHAFT NO. 57-54
SHAFT NO. 57-55
SERVICE LOBBY
MAIL ROOM
STORAGE
LPR-1
LPR-2
LPR-3
LPR-4
LPR-5
LPR-6
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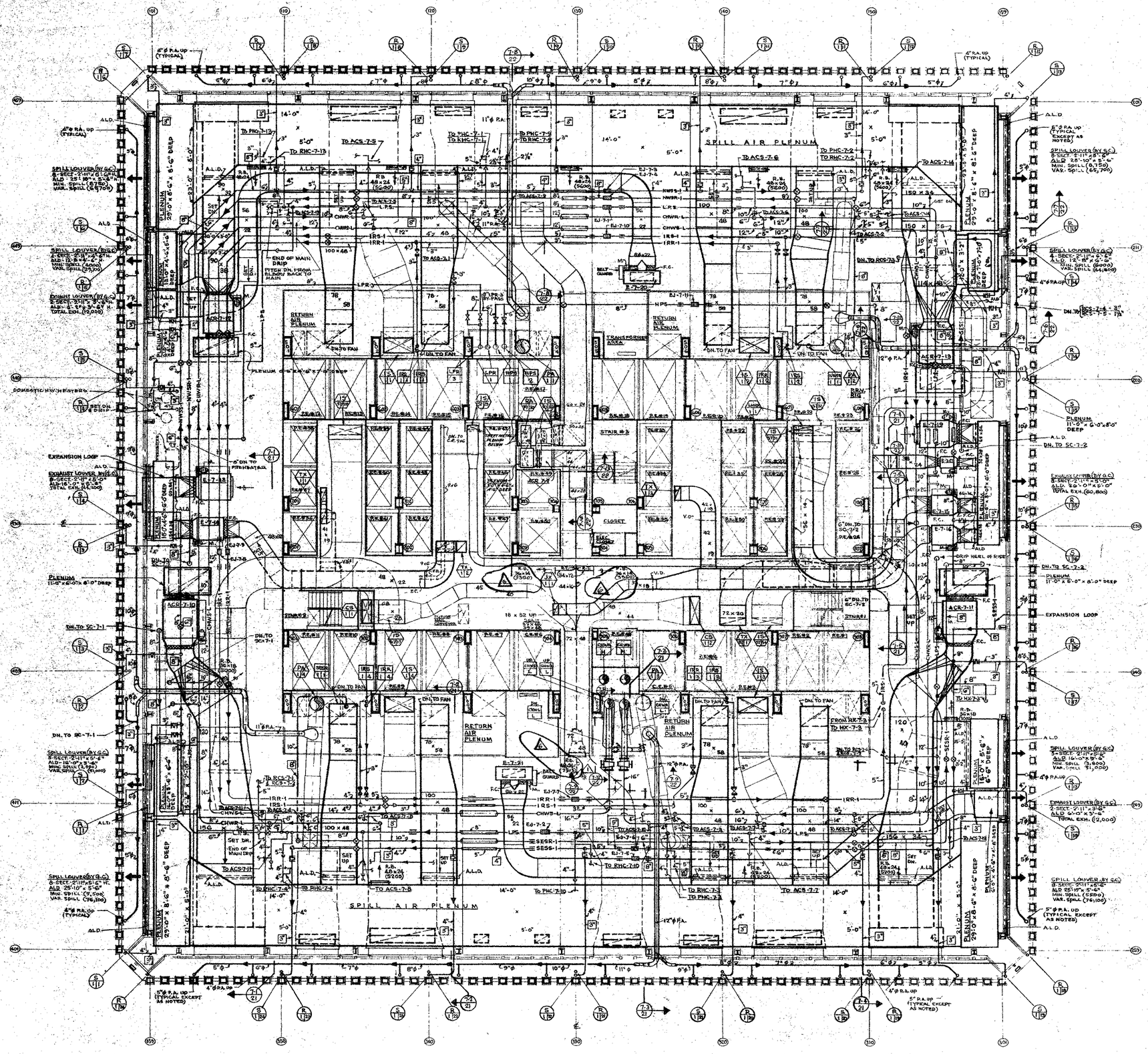
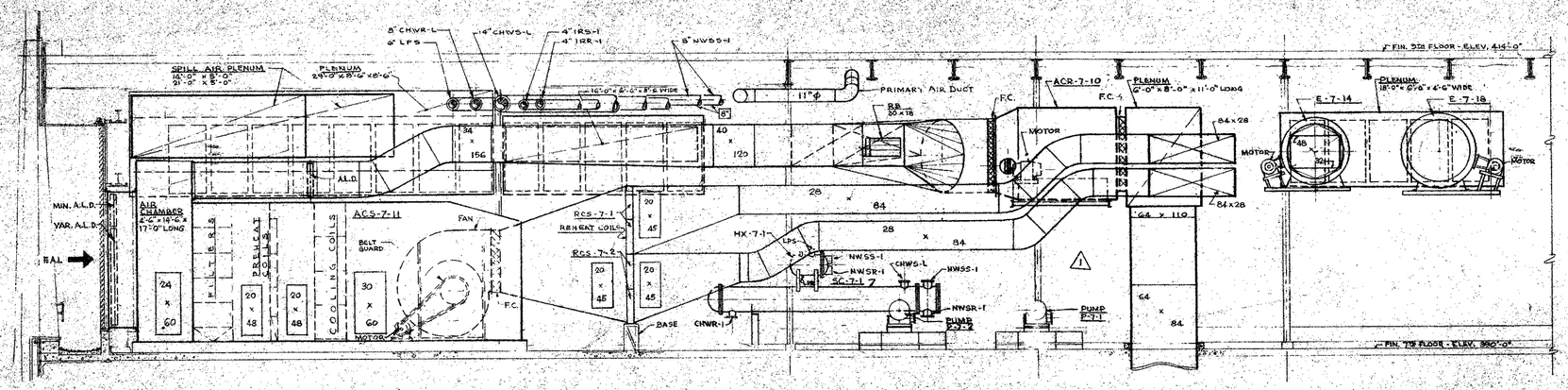
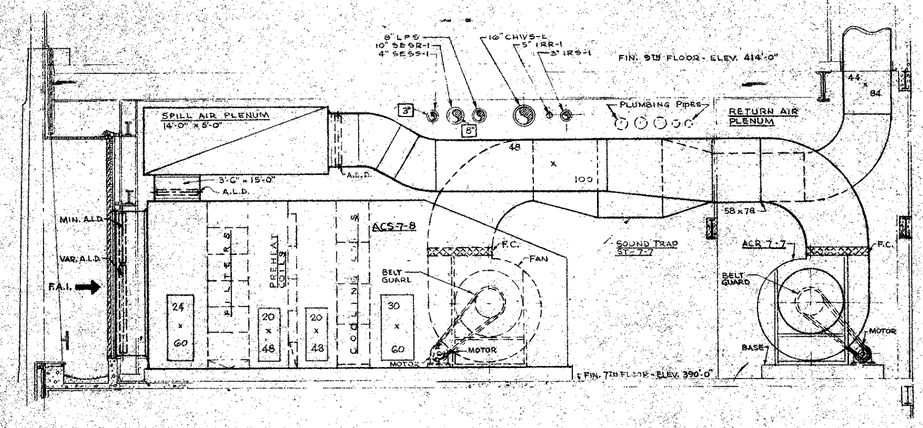

SPILL AIR PLENUM
RETURN AIR PLENUM
TRANSFORMER AREA
STAIR #3
CLOSET
SPILL LOUVER (BY G.C.)
EXHAUST LOUVER (BY G.C.)
DOMESTIC H.W. HEATERS
EXPANSION LOOP
PLENUM 11'-0" x 6'-0" x 8'-0" DEEP
PLENUM 29'-0" x 6'-0" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 21'-0" x 8'-6" x 8'-0" DEEP
PLENUM 10'-0" x 5'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 11'-0" x 6'-0" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 11'-0" x 6'-0" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6" x 8'-0" DEEP
PLENUM 11'-0" x 6'-0" x 8'-0" DEEP
PLENUM 29'-0" x 8'-6



SECTION 7-1



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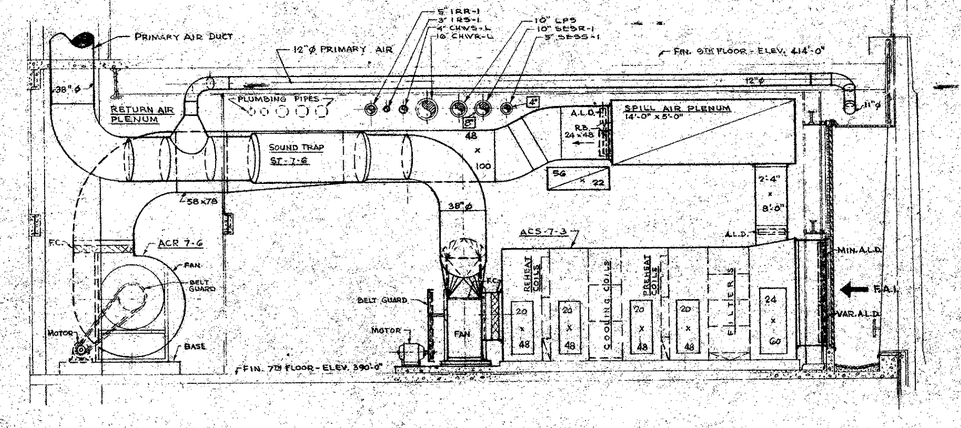

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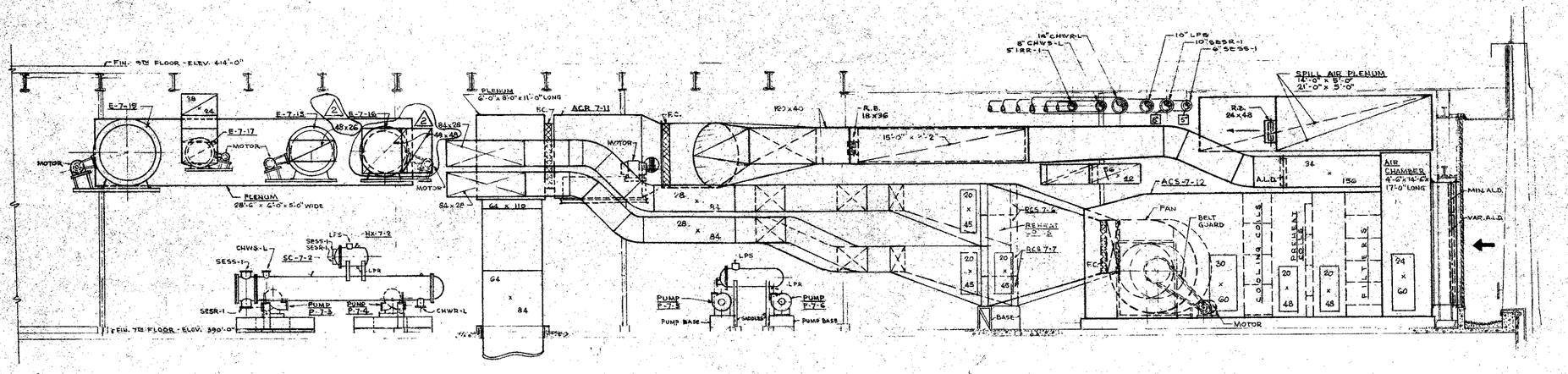

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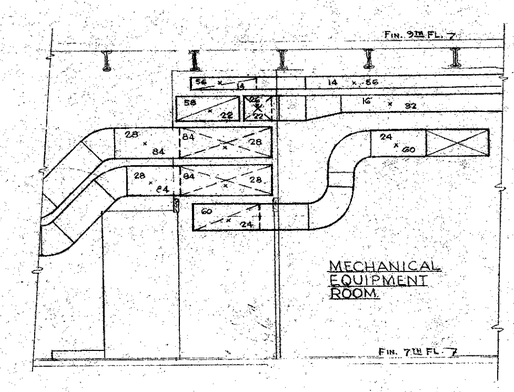


SECTION 7-5

CONTRACT BID DRAWING date 10-16-67

NO.	DATE	BUL. NO.	BY
2	2-9-71	A-136	JZ
1	3-1-68		

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE STATE OF NEW YORK REGISTERED PROFESSIONAL ENGINEER No. 23076

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

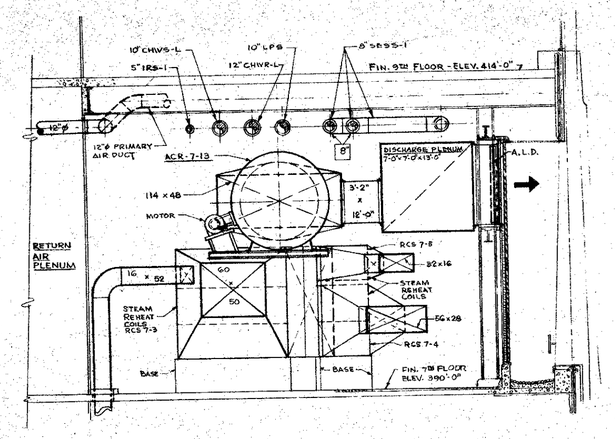
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

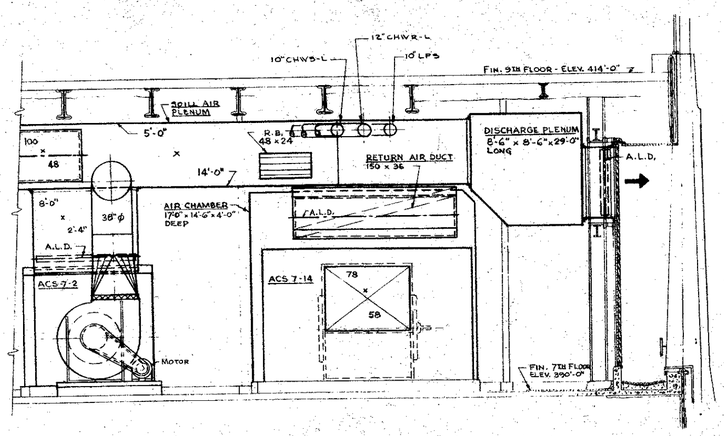
1/4" = 1'0" scale (0 2 4 6 8 10 feet)

TITLE: 7TH FLOOR MER SECTIONS

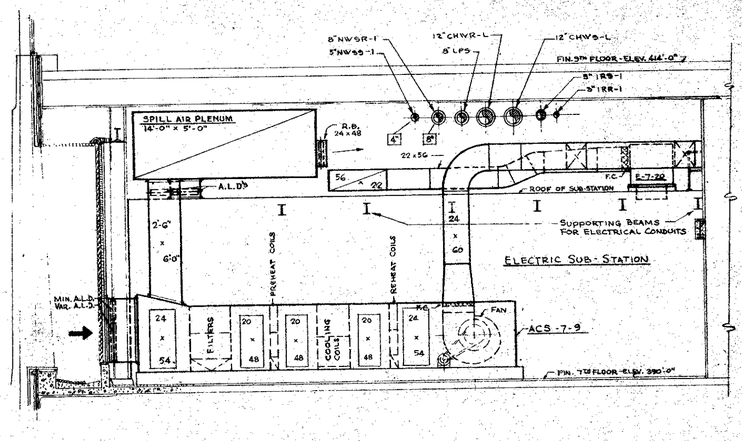
DRAWN	J.Z.	CHECKED	
SCALE	1/4" = 1'-0"	DATE	10-16-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	M-A-21		



SECTION 7-6



SECTION 7-7



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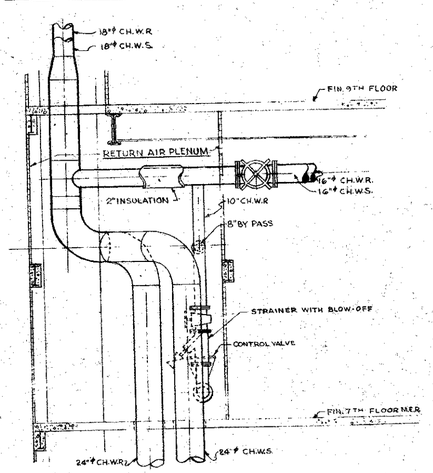
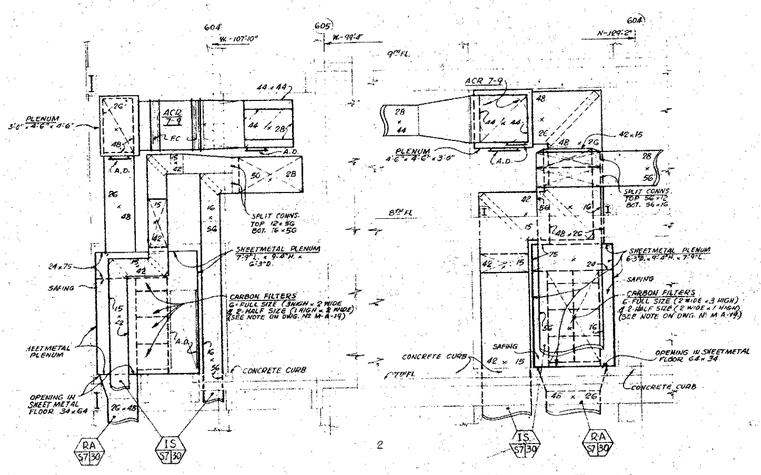
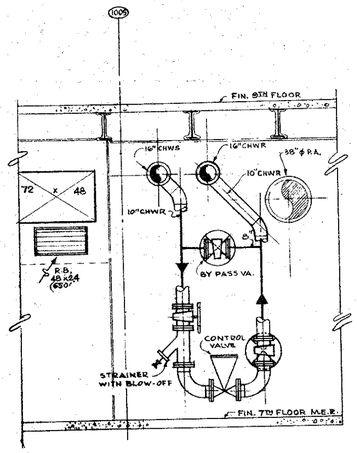


SECTION 7-12



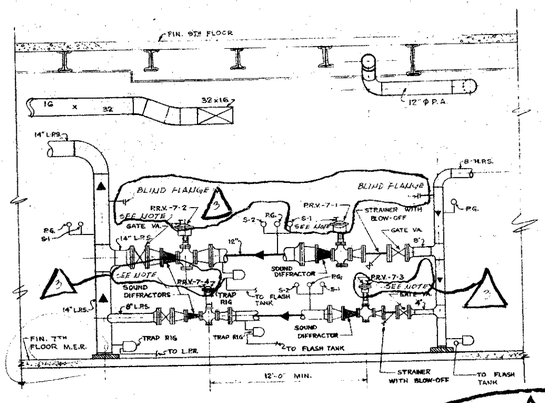
SECTION 7-13

SECTION 7-14



SECTION 7-9

SCALE 1/4" = 1'-0"



SECTION 7-10

SCALE 1/4" = 1'-0"

NOTES

S-1	MERCOID	SW.	HI PRESS.	ALARM
S-2	MERCOID	SW.	LO PRESS.	ALARM

NOTE:
FURNISH & INSTALL ONE (1) HAND WHEEL OPERATOR FOR EACH REDUCING VALVE TO MANUALLY POSITION THE REDUCING VALVE.

CONTRACT 33D DRAWING date 10-16-67

NO.	DATE	REVISIONS	BY
9	6-29-70	A-83	TC
8	11-3-69	A-32	HS
1	3-1-68		

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

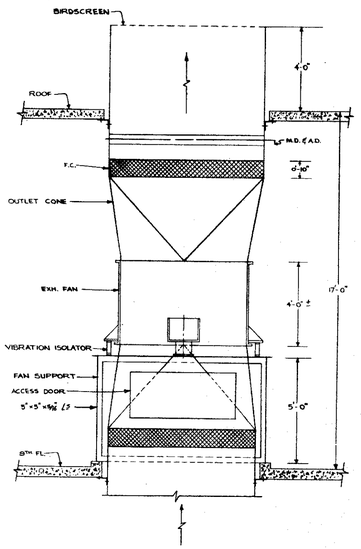
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/4" = 1'-0" scale

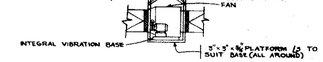
TITLE: 7TH FLOOR M.E.R. SECTIONS

DRAWN	J.Z.	CHECKED	
SCALE	1/4"=1'-0"	DATE	10-16-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	M-A-22		



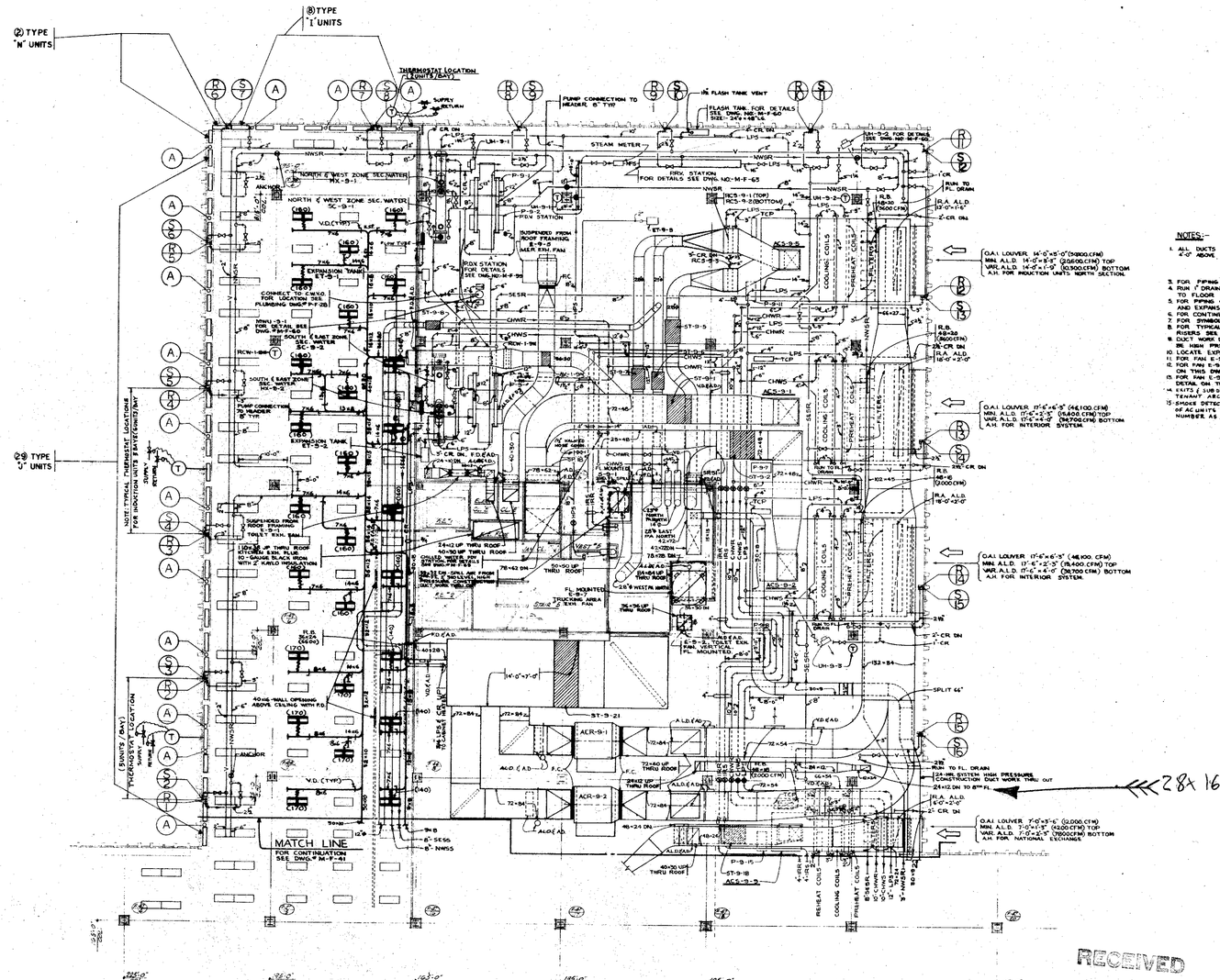
AXIVANE FAN SUPPORT DETAIL

SCALE:-NONE



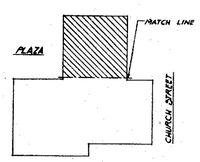
INLINE CENTRIFUGAL FAN SUPPORT DETAIL

SCALE:-NONE



NOTES:-

1. ALL DUCTS DISCHARGING INTO PENTHOUSE SHALL TERMINATE 4'-0" ABOVE ELEV. 440'-8" ROOF SLAB WITH BIRDSCREEN.
2. FOR PIPING CONNECTIONS TO COILS SEE DWGS. M-F-59 TO M-F-63.
3. RUN ℄ DRAIN FROM ALL COOLING COIL DRAIN PAN CONNECTIONS TO FLOOR DRAIN.
4. FOR PIPING CONNECTIONS TO HEAT EXCHANGERS, CONVERTORS, PUMPS AND EXPANSION TANKS SEE DWGS. M-F-59 TO M-F-63.
5. FOR CONTINUATION OF THIS DRAWING SEE DWG. M-F-61.
6. FOR SYMBOLS ℄ ABBREVIATIONS SEE DWG. M-F-1.
7. FOR TYPICAL DRAIN ℄ FLUSH CONNECTIONS OF SECONDARY WATER RISERS SEE DWG. M-F-62.
8. DUCT WORK DISTRIBUTION FROM UNIT ACS-9-8 (24-HR. SYSTEM) SHALL BE HIGH PRESSURE CONSTRUCTION THRU-OUT.
9. LOCATE EXPANSION TANK ABOVE THE PUMP SUCTION HEADER.
10. FOR FANS E-9-7 AND E-9-1 SEE AXIVANE FAN SUPPORT DETAIL ON THIS DWG.
11. FOR FANS E-9-8 USE SIMILAR DETAIL AS AXIVANE FAN SUPPORT DETAIL ON THIS DWG.
12. FOR FAN E-9-1 AND E-9-5 SEE INLINE CENTRIFUGAL FAN SUPPORT DETAIL ON THIS DWG.
13. EXITS / SUBDIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCHITECTS DRAWING.
14. SMOKE DETECTORS SHALL BE LOCATED IN MAIN DISCHARGE DUCT OF AC UNITS ℄ ON SUCTION SIDE OF R.A. / EXHAUST, / SPILL AIR FANS. NUMBERS AS INDICATED ON ELEC. DWG. NO. E-F-47.



KEY PLAN

RECEIVED
FEB 21 1975
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT "BID" DRAWING -date-

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY

CHIEF ENGINEER
CHIEF MECHANICAL ENGINEER
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

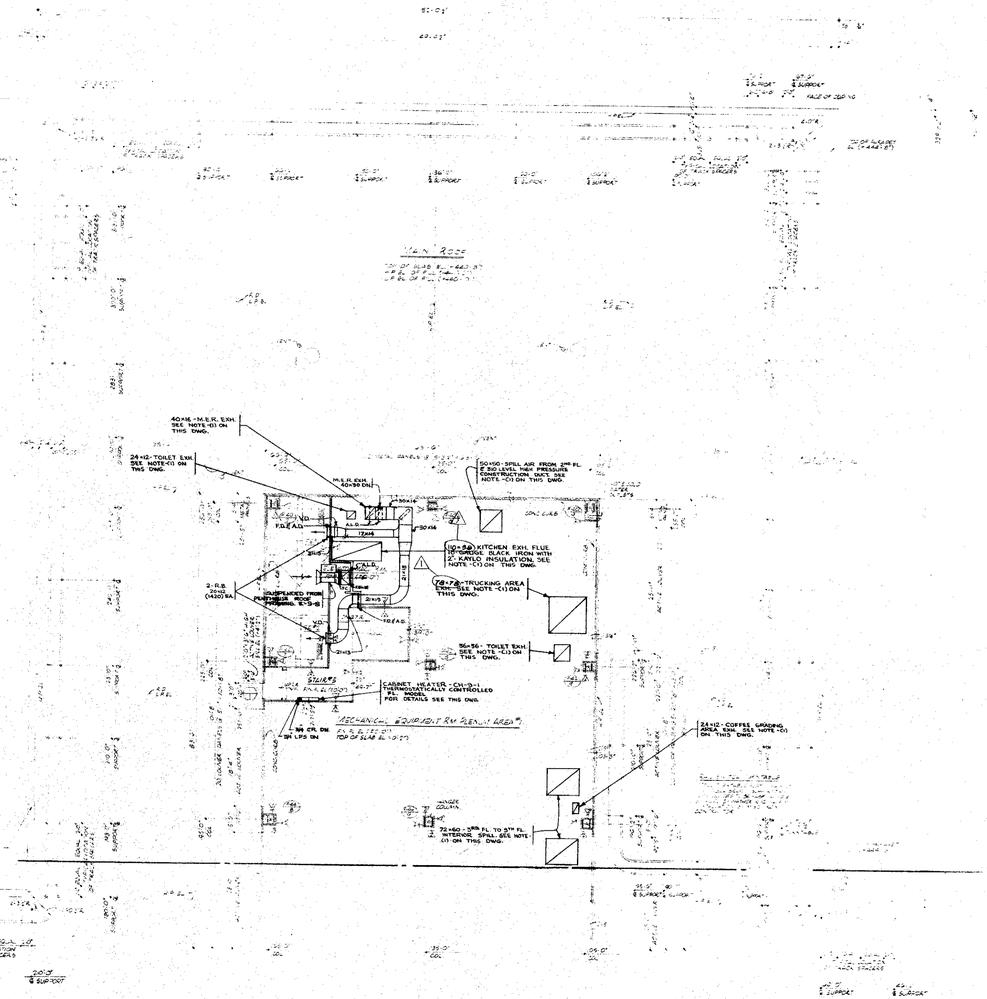
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PAVING, UTILITIES, FOUNDATIONS

TITLE: SOUTHEAST PLAZA BUILDING 9TH FLOOR PLAN NORTH M.E.R. AND OFFICE PLAN

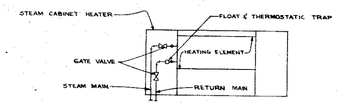
DRAWN	K. UPADHYAY	CHECKED	F.H.
SCALE	1/8"=1'-0"	DATE	4-11-74
PROJECT NUMBER	WTC 90-50	SHEET	29 OF 56
DRAWING NUMBER	M-F-400		

NORTH



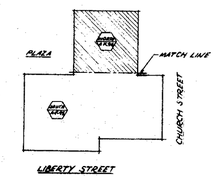
NOTES:-

1. TERMINATE 4'-0" ABOVE ELEV. 440'-8" SLAB WITH BIRDSCREEN.



STEAM CABINET HEATER DETAIL
SCALE:- NONE

M-F-44



KEY PLAN

RECEIVED
FEB 21 1975
SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT NO. DRAWING NO.

CHIEF ENGINEER
CHIEF ENGINEER DESIGN (CONSULTING)
CHIEF MECHANICAL ENGINEER
APPROVED
CHIEF, PLANNING DIVISION
DATE

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

THE WORLD TRADE CENTER

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

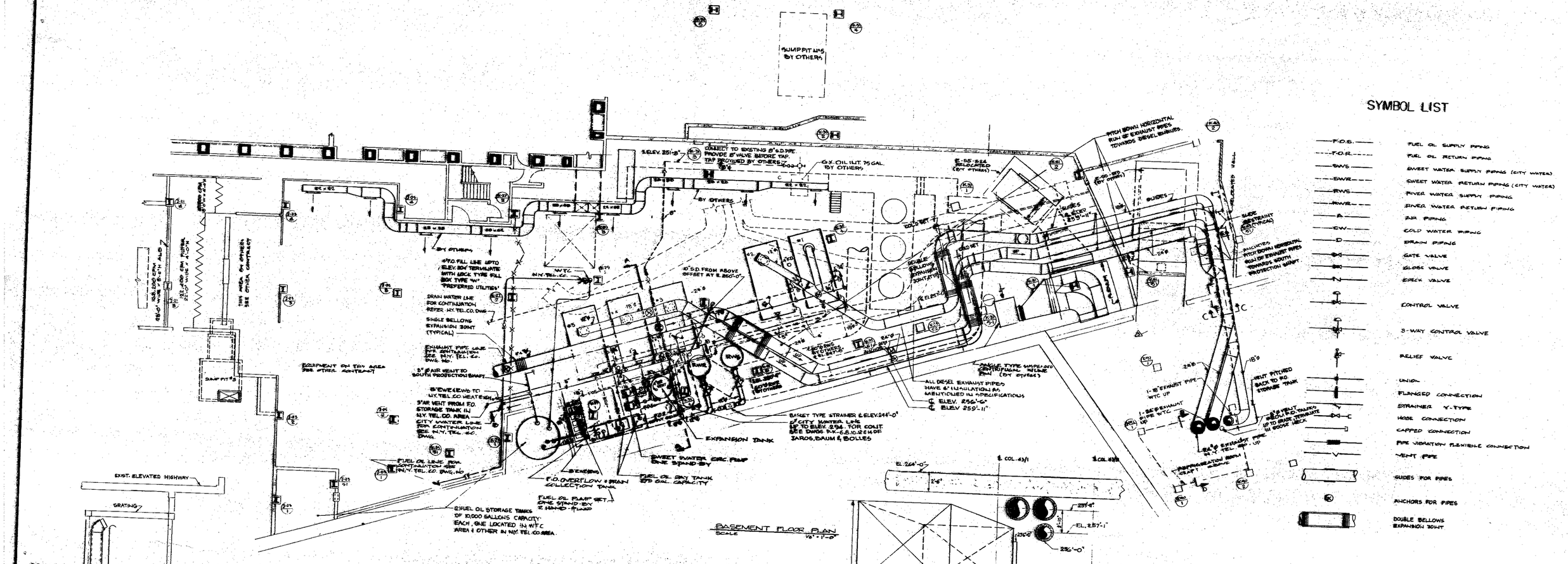
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PLUMBING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
MAIN ROOF & BULKHEAD
PLAN NORTH

DESIGN	K.O.U.	CHECKED	K. GEYENDORF
SCALE	1/8"-1'-0"	DATE	11-15-73
PROJECT NUMBER	WTC 190.50	SHEET	31 OF 56
DRAWING NUMBER	M-F-43		



SYMBOL LIST

- F.O.S. — FUEL OIL SUPPLY PIPING
- F.O.R. — FUEL OIL RETURN PIPING
- SWS — SWEET WATER SUPPLY PIPING (CITY WATER)
- SWR — SWEET WATER RETURN PIPING (CITY WATER)
- RWS — RIVER WATER SUPPLY PIPING
- RWR — RIVER WATER RETURN PIPING
- A — AIR PIPING
- CW — COLD WATER PIPING
- D — DRAIN PIPING
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- CONTROL VALVE
- 3-WAY CONTROL VALVE
- RELIEF VALVE
- UNION
- FLANGED CONNECTION
- STRAINER Y-TYPE
- HOSE CONNECTION
- CAPPED CONNECTION
- PIPE VIBRATION FLEXIBLE CONNECTION
- VENT PIPE
- GUIDES FOR PIPES
- ANCHORS FOR PIPES
- DOUBLE BELLOWS EXPANSION JOINT

FUEL OIL PUMP SCHEDULE

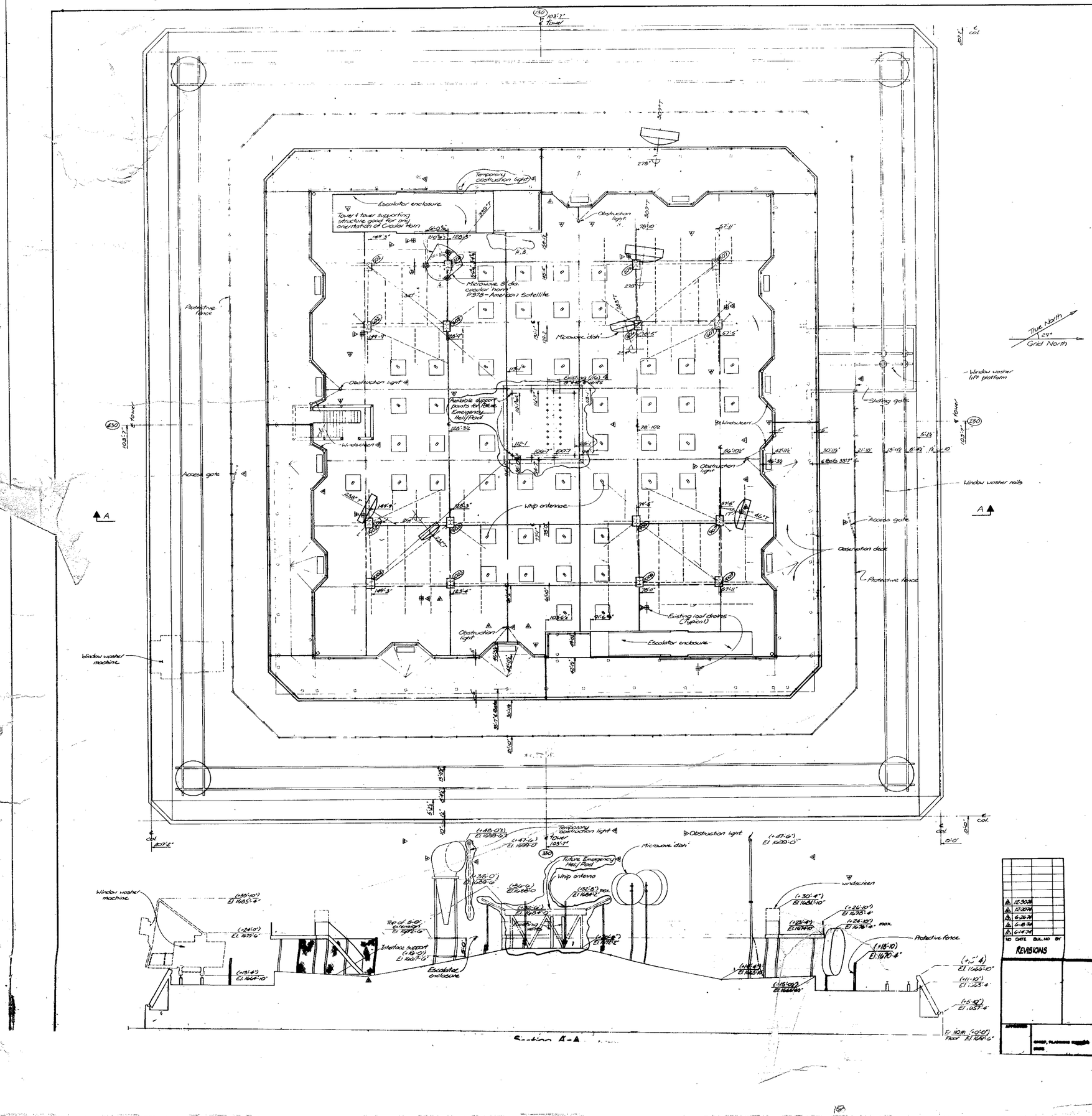
UNIT NO.	HP	QTY	RPM	FLOW GPM AT 'TOTAL DYN. HEAD'	RATED HEAD PSI	SERVICE	TYPE
P-G-1	½	1	1800	2.5	45-0	TRANSFER PUMP	ROTARY PUMP
P-G-2	½	1	1800	2.7	85-0	TRANSFER PUMP	ROTARY PUMP
P-G-3	¾	1	1800	2.5	85-0	DAY TANK NO. 1	ROTARY PUMP
P-G-4	½	1	1800	2.7	85-0	DAY TANK NO. 2	ROTARY PUMP
SPARE	½	1				SPARE FOR ITEMS ABOVE	

	SWEET WATER CIRCULATING PUMP					
GP-G-1 (SPARE STAND-BY)	15.00 GPM	140 TDH	25 HP	1750 RPM	TABLE MOUNT, SEE SPECIFICATION	

CONTRACT BID DRAWING MAY 1, 1970

NO.	DATE	SUB. NO.	BY

See this drawing at end of Tower B Arch. set.



NO	DATE	SUB. NO	BY
1	12-30-74		
2	12-20-74		
3	6-26-74		
4	6-8-74		
5	6-4-74		

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PROPOSED MICROWAVE AND WHIP ANTENNAE TOWER 'B' - P.H. ROOF

DRAWN	JB	CHECKED	
SCALE	1/8"-1'-0"	DATE	3-8-74
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	MICRO-74		

ENGINE COOLING WATER SYSTEM-CONTROL

SEQUENCE OF OPERATION

NORMAL OPERATION (RIVER WATER)

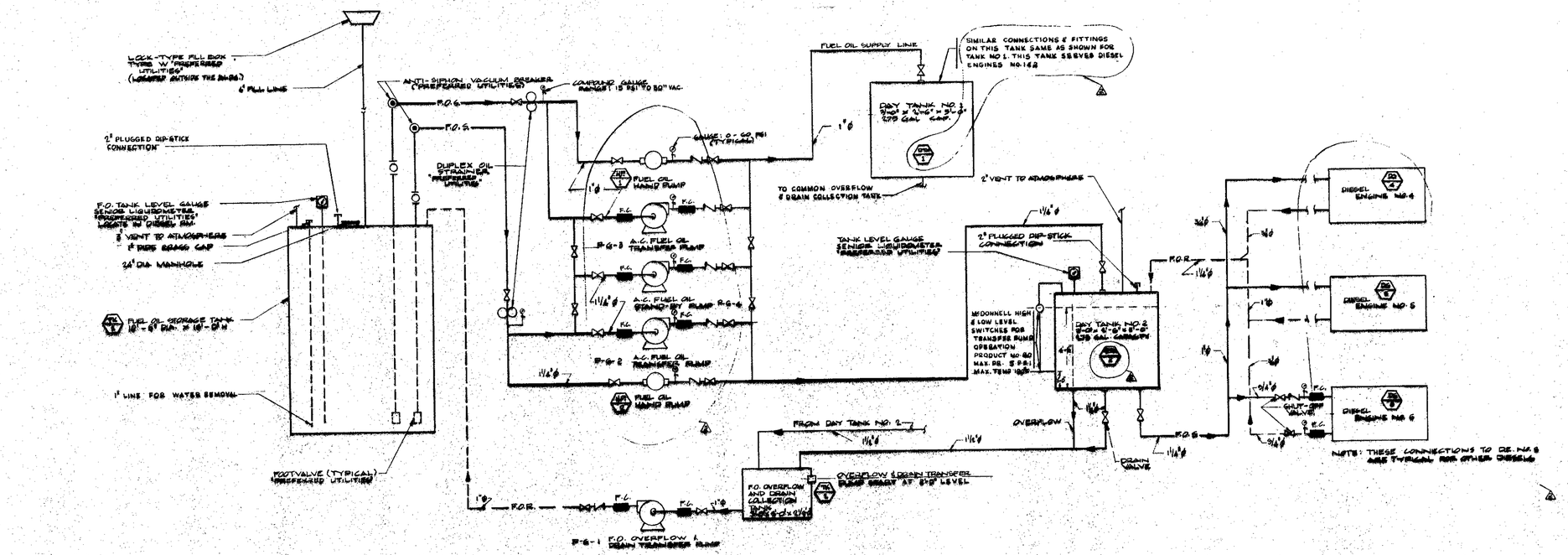
AS ANY ONE OF THE ENGINES STARTS, EITHER AUTOMATICALLY OR MANUALLY, IT OPENS ITS RESPECTIVE AUTOMATIC
V1, V2, ETC. TO MINIMUM POSITION AS SET BY A GRADUAL SWITCH, AND AUTOMATICALLY STARTS RIVER WATER PUM
V-8 REMAIN OPEN, WHILE VALVES V-10 & V-9 REMAIN CLOSED. THE VALVES V1, V2, ETC. WILL MODULATE TO PRO
ON THE CONTROL OF THERMOSTAT IN WATER LINE LEAVING THE HEAT EXCHANGER. SIMULTANEOUSLY ANY ENGINE
START DIESEL ENGINE ROOM VENTILATION. CONTROL OF VENTILATION SYSTEM IS UNDER OTHER

EMERGENCY OPERATION (CITY WATER)

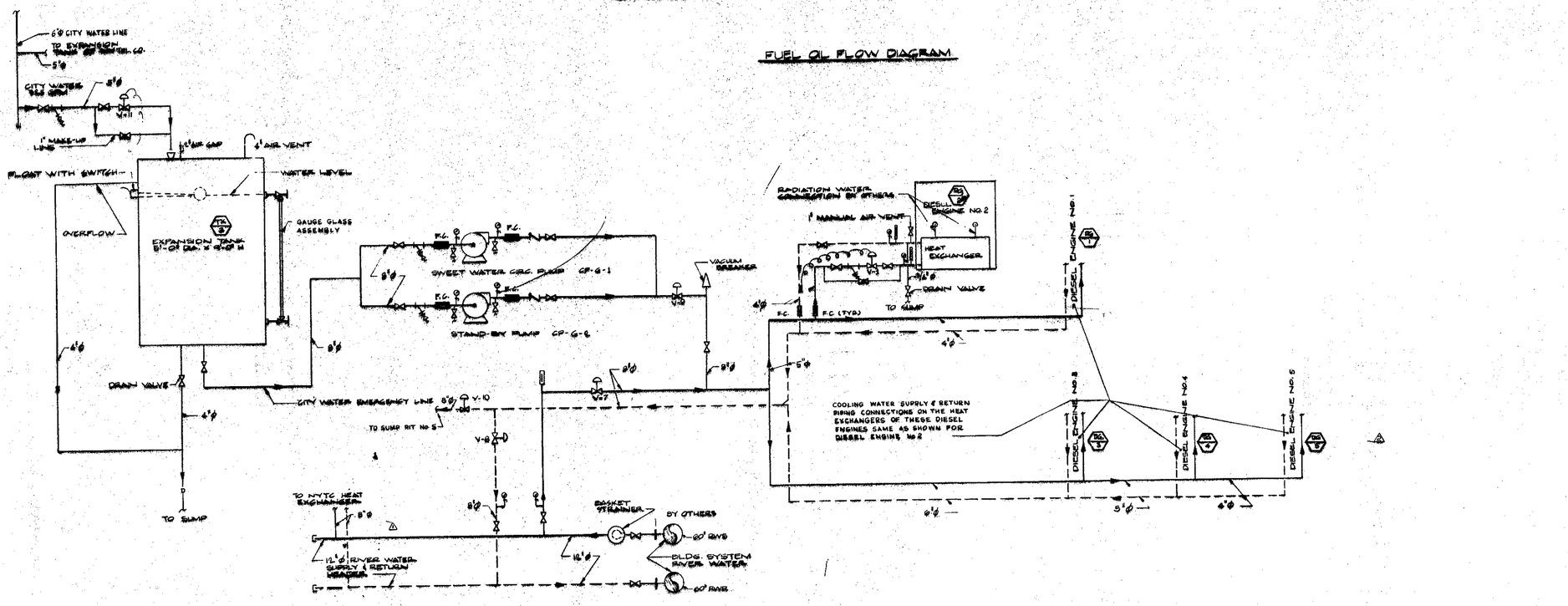
ENGINE STARTING OPENS ITS RESPECTIVE AUTOMATIC VALVE V1, V2, ETC. UNDER CONTROL AS ABOVE,
TICALLY STARTS SWEET WATER PUMP P1 OR P2, WHEN THE RIVER WATER IS NOT AVAILABLE. VALVES V
V-8 OPEN WHILE VALVES V-7 & V-8 REMAIN CLOSED. AUTOMATIC VALVE V-11 MAINTAINS THE W
IN THE TANK. CHANGE OVER BETWEEN NORMAL AND EMERGENCY OPERATION BY MEANS OF A MANUA
SWITCH.

MAKE-UP WATER

A FLOAT SWITCH LOCATED IN THE EXPANSION TANK MAINTAINS THE WATER LEVEL IN THE TANK WHEN
EMERGENCY OPERATION IS OFF.



FUEL OIL FLOW DIAGRAM



ENGINE COOLING WATER FLOW DIAGRAM

CONTRACT BID DRAWING DATE MAY 1, 1970

NO.	DATE	DES.	BY
1	12-1-70		A.G.
2	7-15-70		A.G.

REVISIONS

[redacted]

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
RAILS, UTILITIES, FOUNDATIONS

TITLE: FLOW DIA

DRAWN	P.C.M.
SCALE	NONE
PROJECT NUMBER	600-00
DRAWING NUMBER	M-

ELEVATORS
RISER
DIAGRAMS

EL 332'-0

N

smoke out
of house elevation
mins after explosion
@ 2310-6

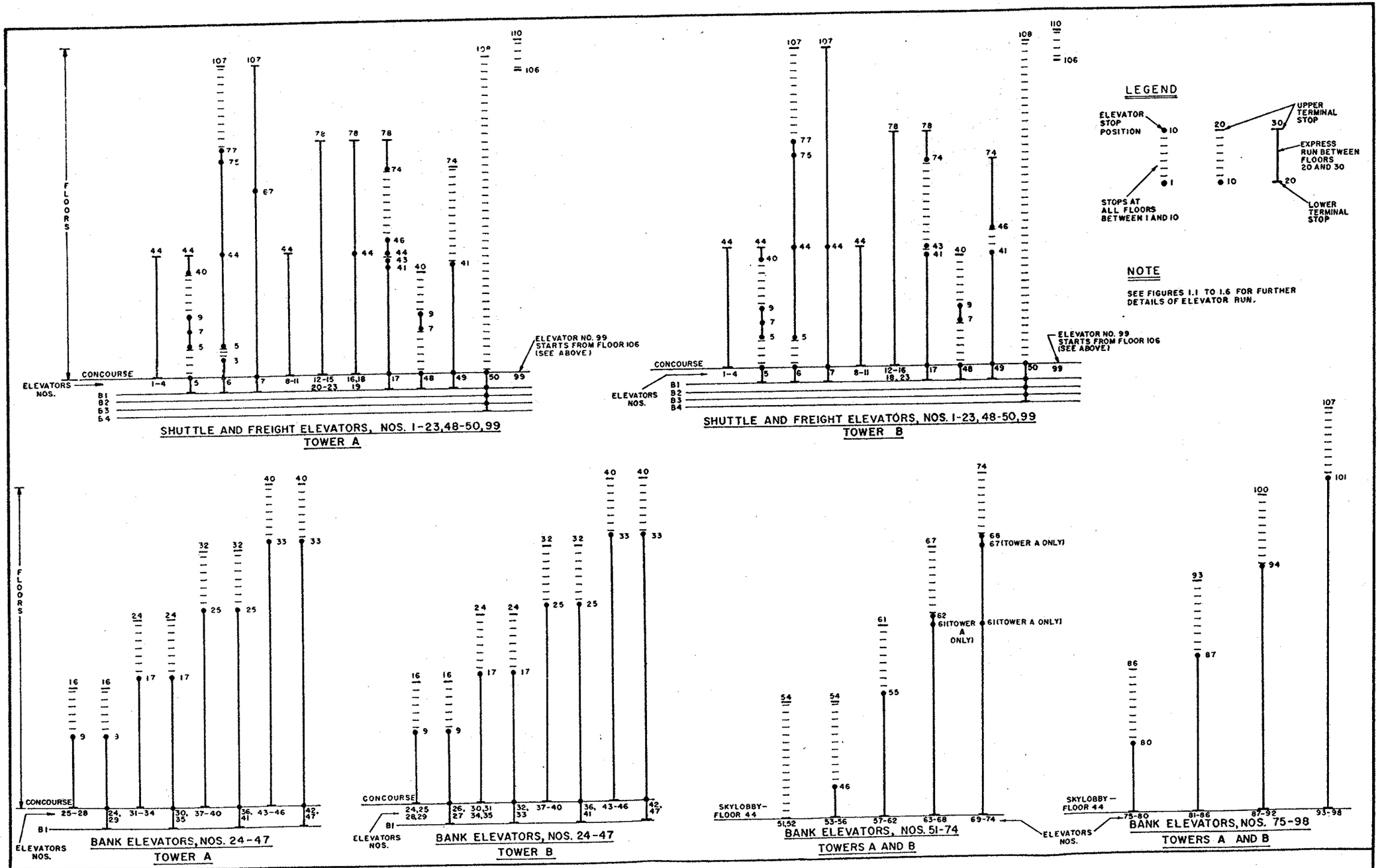


Figure 1.15 Floors Serviced, Elevators Nos. 1-99

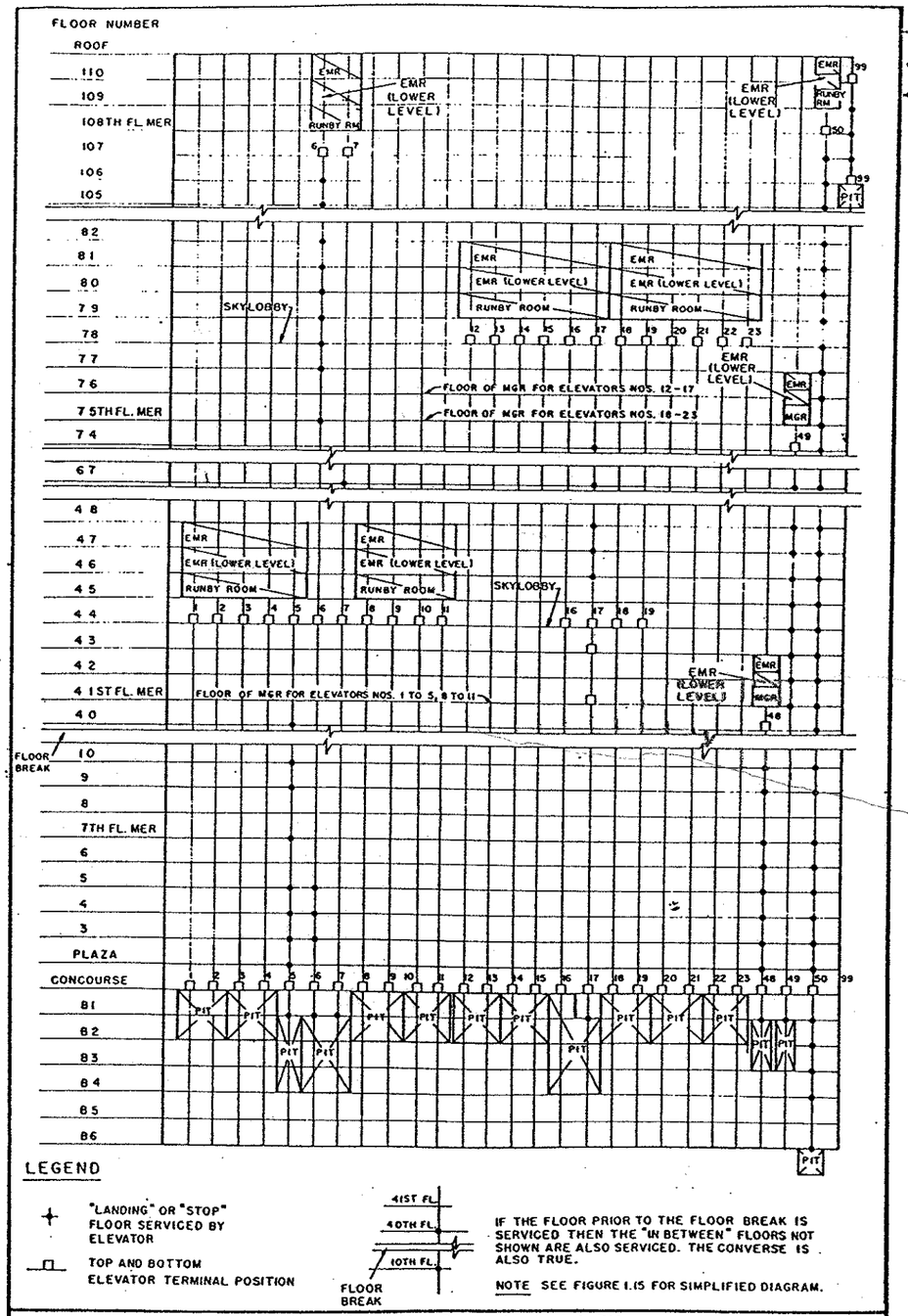


Figure 1.1 Schematic – Shuttle And Freight Elevator Run
Tower A, Level B6 – 110th Floor

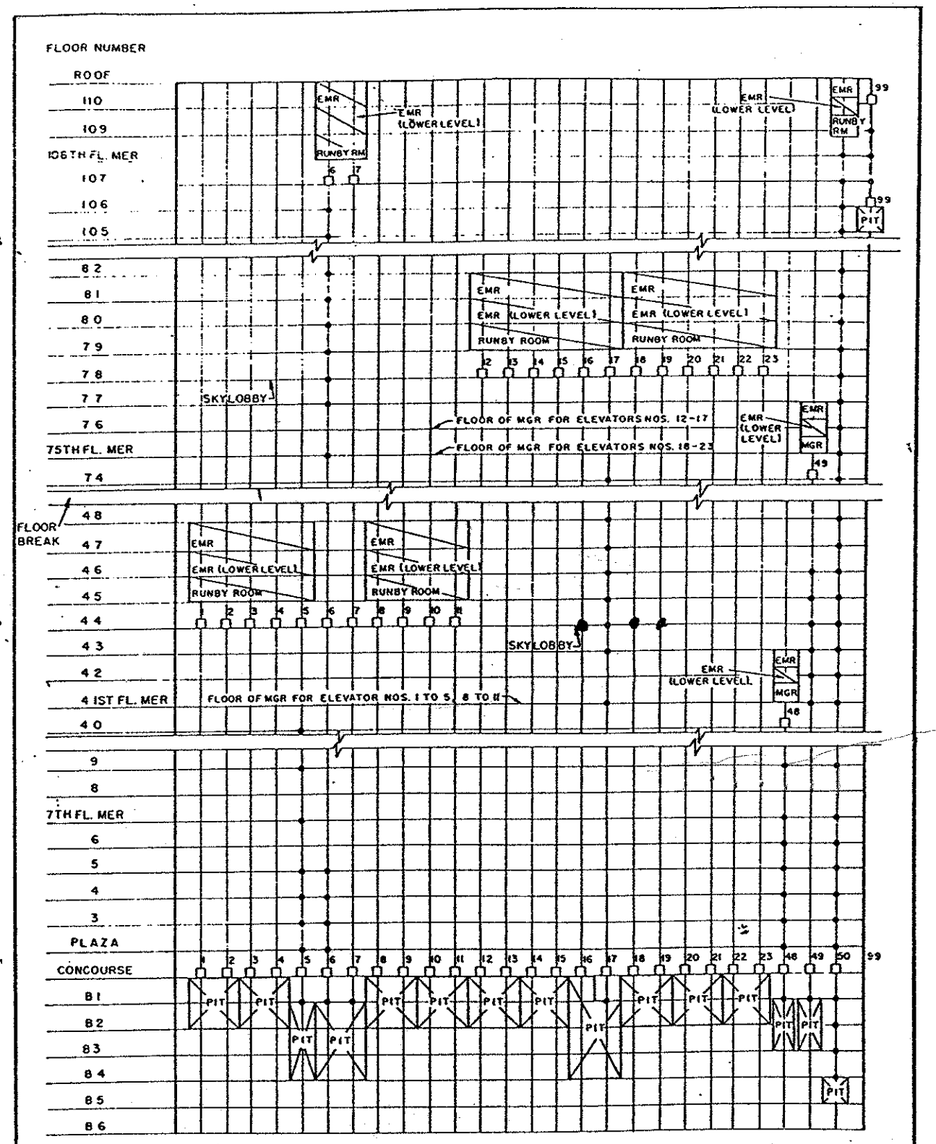
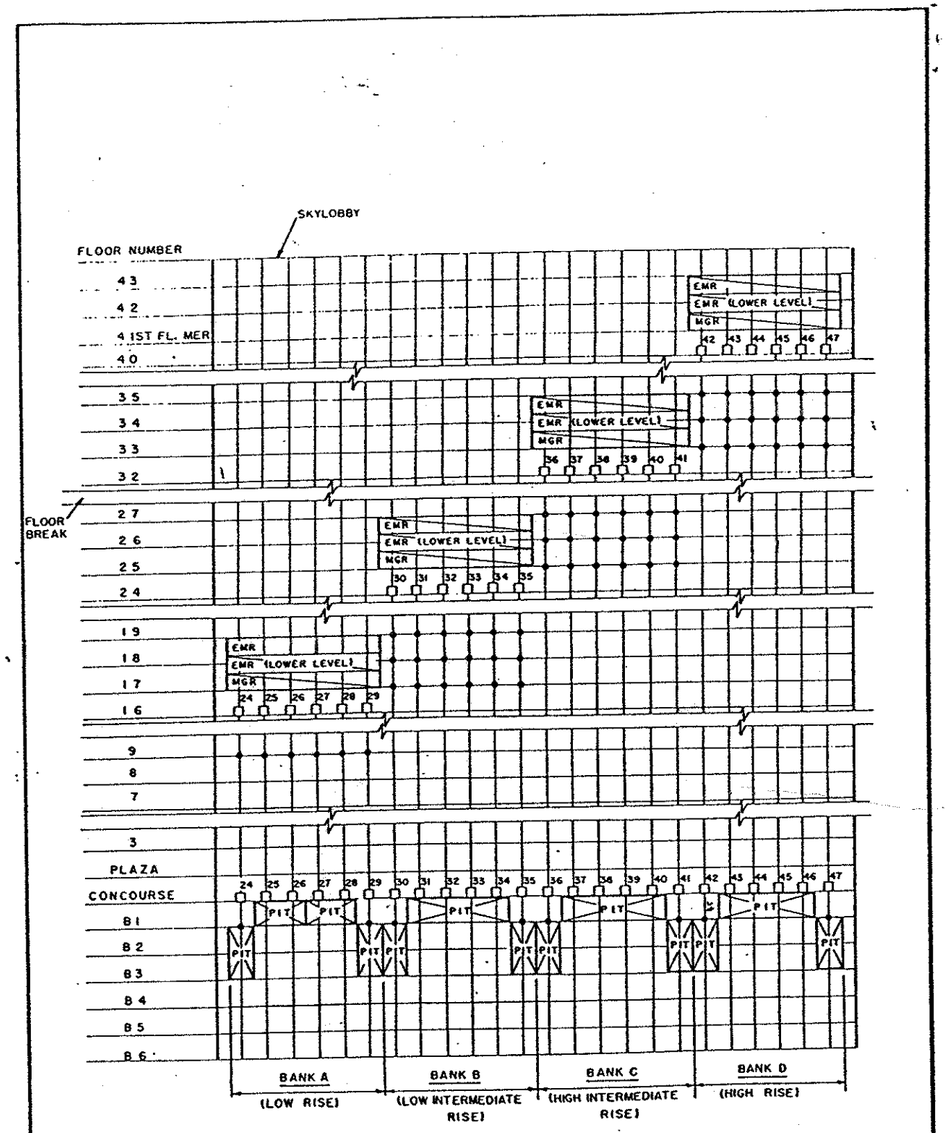


Figure 1.2 Schematic – Shuttle And Freight Elevator Run Tower B, Level B6 – 110th Floor



LEGEND

+ "LANDING" OR "STOP" FLOOR SERVICED BY ELEVATOR

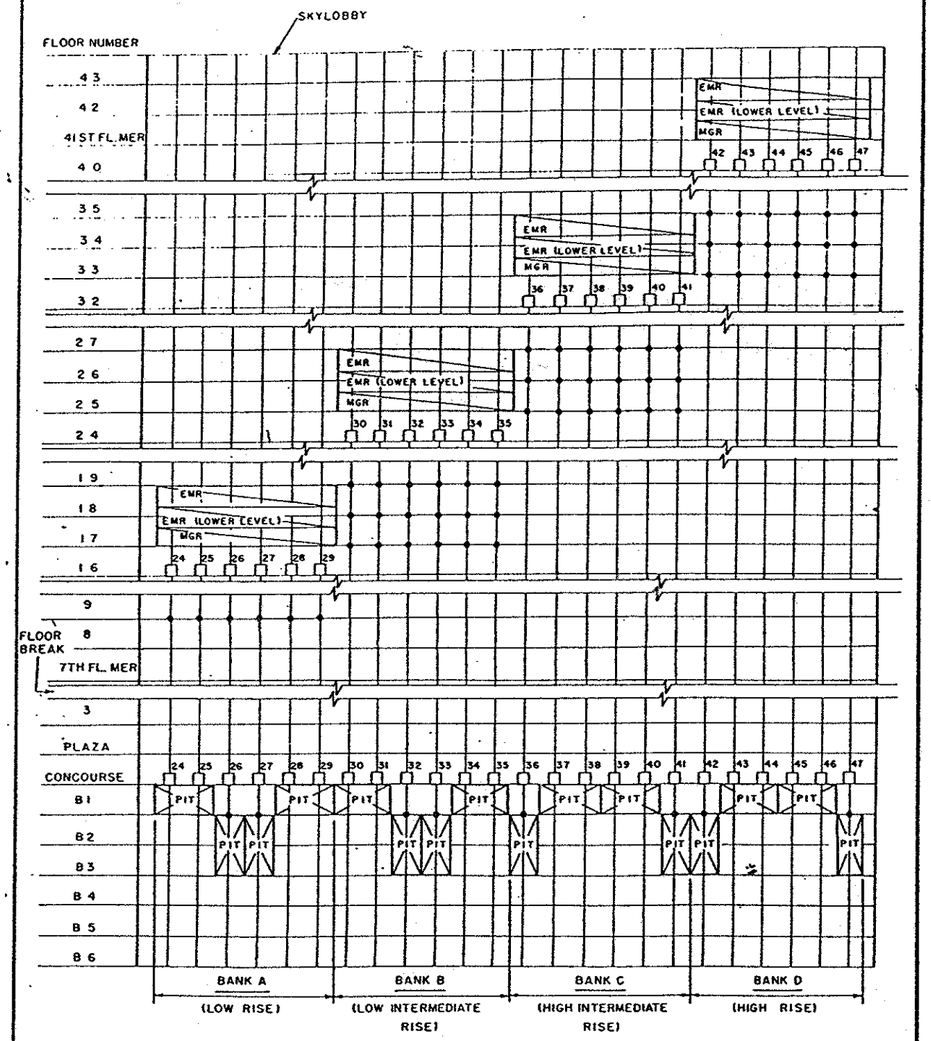
⊓ TOP AND BOTTOM ELEVATOR TERMINAL POSITION

8TH FL.
7TH FL.
3RD FL.
FLOOR BREAK

IF THE FLOOR PRIOR TO THE FLOOR BREAK IS SERVICED THEN THE "IN BETWEEN" FLOORS NOT SHOWN ARE ALSO SERVICED. THE CONVERSE IS ALSO TRUE.

NOTE
SEE FIGURE I.15 FOR SIMPLIFIED DIAGRAM.

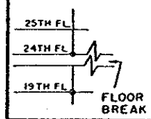
Figure I.3 Schematic – Bank Elevator Run Tower A, Concourse – 40th Floor (Zone I)



LEGEND

"LANDING" OR "STOP" FLOOR SERVICED BY ELEVATOR

TOP AND BOTTOM ELEVATOR TERMINAL POSITION



IF THE FLOOR PRIOR TO THE FLOOR BREAK IS SERVICED THEN THE "IN BETWEEN" FLOORS NOT SHOWN ARE ALSO SERVICED. THE CONVERSE IS ALSO TRUE.

NOTE
SEE FIGURE I.15 FOR SIMPLIFIED DIAGRAM.

Figure I.4 Schematic–Bank Elevator Run
Tower B, Concourse–40th Floor (Zone I)

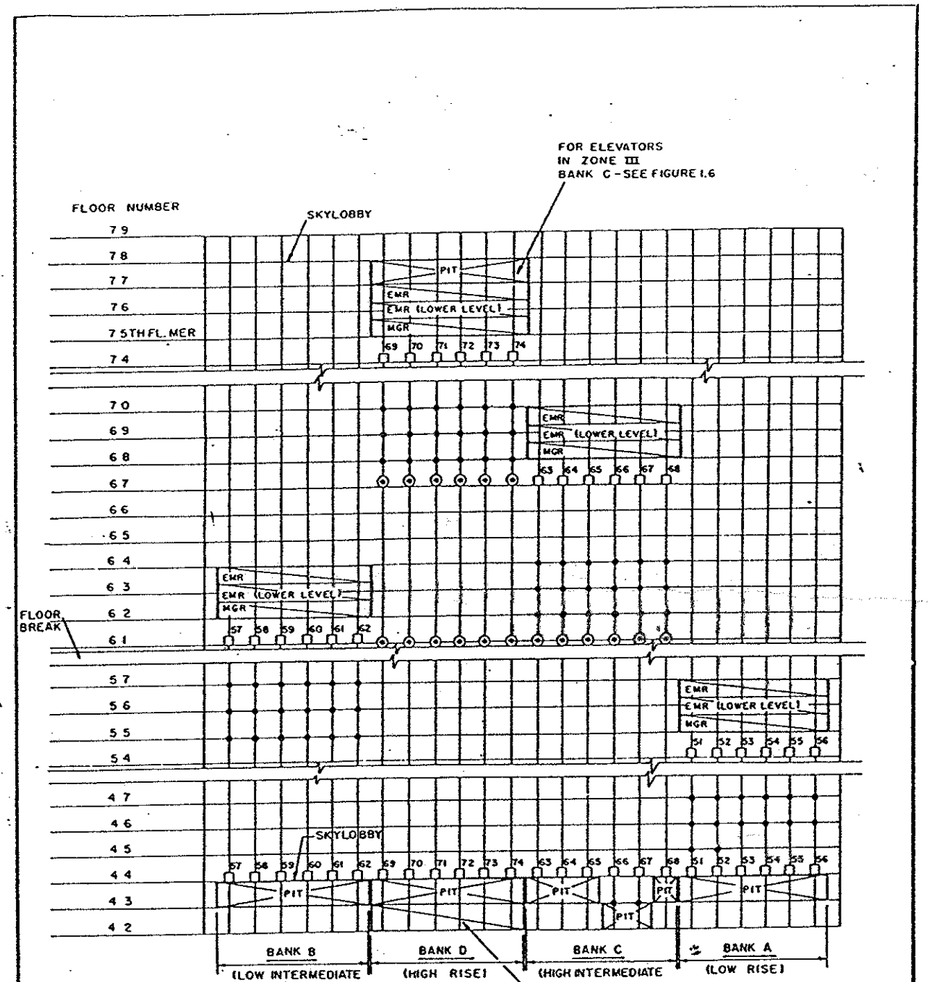
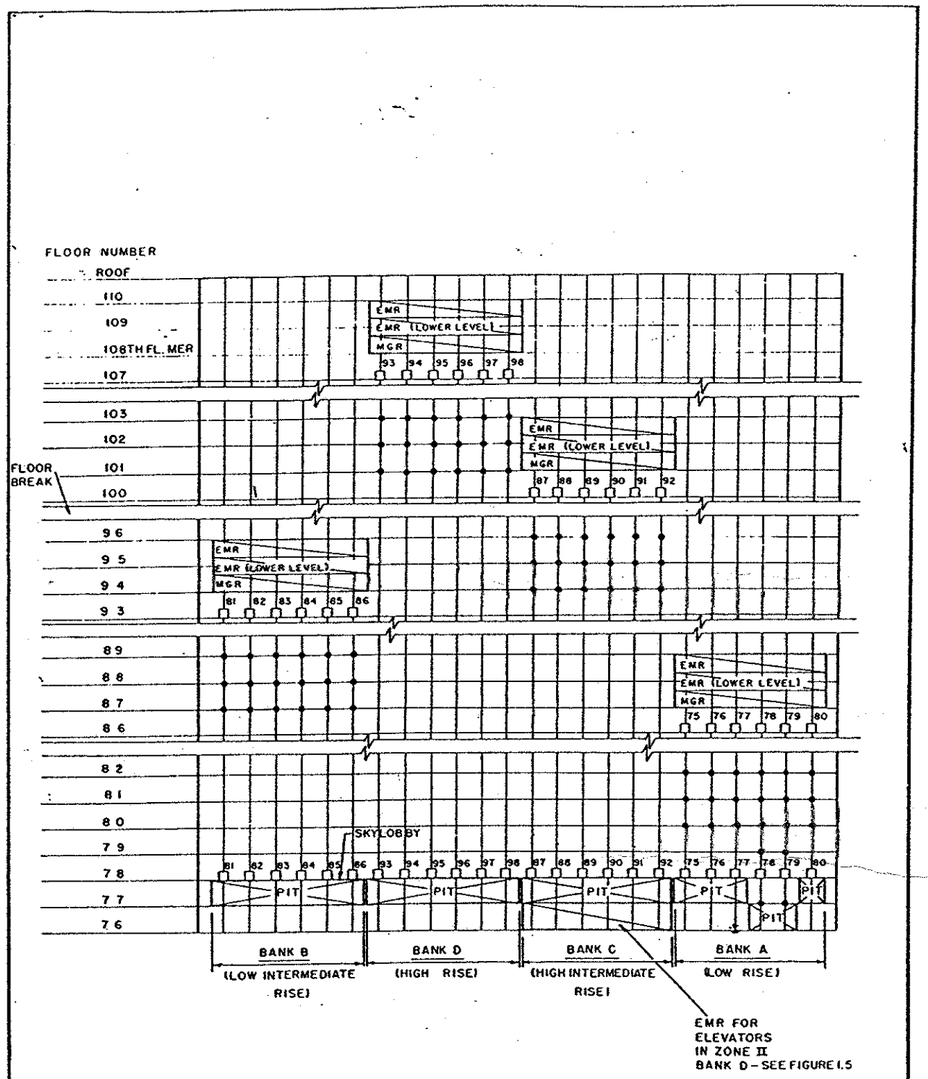


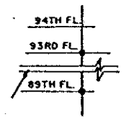
Figure 1.5 Schematic-Bank Elevator Run
Towers A&B, 44th-74th Floors (Zone II)



LEGEND

"LANDING" OR "STOP" FLOOR SERVICED BY ELEVATOR

TOP AND BOTTOM ELEVATOR TERMINAL POSITION



IF THE FLOOR PRIOR TO THE FLOOR BREAK IS SERVICED THEN THE "IN BETWEEN" FLOORS NOT SHOWN ARE ALSO SERVICED. THE CONVERSE IS ALSO TRUE.

NOTE
SEE FIGURE I.15 FOR SIMPLIFIED DIAGRAM.

Figure I.6 Schematic – Bank Elevator Run
Towers A & B, 78th – 107th Floors (Zone III)

NORTH

NOTES

1. ALL CORRIDOR, LOADING DOCK VEST, AIR LOCK ENT, & MAIL ROOM FLUORESCENT FIXTURES SHALL BE TYPE 'EC' UNLESS OTHERWISE NOTED.
2. ALL PUMP ROOM & ELECTRIC SUBSTATION ROOM FLUORESCENT FIXTURES SHALL BE TYPE 'FD' (IP67 GASKETED) UNLESS OTHERWISE NOTED.
3. VERTICAL CONDUIT RISERS FOR ELECTRICAL CLOSET 'C' LIGHTING AND CONDUIT IN ELEVATOR SHAFTS SHALL BE RUN EXPOSED.
4. REFER TO DWG E-A-118 FOR TYPICAL LIGHTING PANEL DIAGRAM.
5. FOR NORMAL & BREAK GLASS SWITCHES TO MAIN DETAILS FROM STAIRS 4 & 5, SEE DIAGRAM ON DWG E-A-10.
6. ALL VEST CONDUIT OUTLETS CONCEALED IN WALLS SHALL NOT BE CLOSER THAN 20" FROM FINISH DOOR OPENING.
7. FOR WATER SUPPLY PUMP MOTORS, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL & BRANCH CIRCUIT WIRING AS PER THE FOLLOWING:
   60 H.P. MOTORS.....6#4/1"C & #6GRD (2"C) CONTROL WIRES - 3/C.
   100 H.P. MOTORS.....6#250 MCM (4"C) & #6GRD (2"C) CONTROL WIRES - 4/C.
8. EXTEND AND MAKE ALL REQUIRED CONNECTIONS AND INSTALLATIONS OF AIR LOCK DOOR OPERATING SYSTEM DEVICES AS SPECIFIED.
9. FOR SUBSTATION REMOTE CONTROL WIRING DETAILS SEE DWG E-A-10.
10. ALL INCANDESCENT FIXTURES IN A.C. PLENUMS SHALL BE TYPE 'B' (1'-6" A.F.F.) UNLESS OTHERWISE NOTED.
11. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL LIGHTING FIXTURES TO CLEAR ALL MECHANICAL DUCT WORK.
12. REFER TO DRAWING E-A-93 FOR ANTI-INTRUSION ALARM SYSTEM RISER DIAGRAM.
13. ALL WIRING FOR GATE VALVE PUMPS SHOULD BE IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS
14. TERMINATE ALL FIRE PUMP & FIRE STANDPIPE RESERVE TANK ALARM WIRING AS SHOWN IN DIAGRAM ON DWG E-A-107 AT TERMINAL STRIP CABINET INDICATED. EXTENSION OF WIRING TO SPRINKLER CONTROL PANEL IN SECURITY ROOM WILL BE DONE UNDER ANOTHER CONTRACT.

PART PLAN OF CORE AREA POWER

SCALE 1/8"-1'-0"

SECTION 'A-A'

(1)(2)(3)(5) (4)(5)(6)(7) (8)(9)(10) (10)(11)

(1) F-SPAR-BT2
(2) F-ESB-15
(3) F-LCAL-16
(4) F-LCAL-15
(5) F-LCAL-12
(6) F-LCAL-15
(7) 4-500 MCM & (GRD)-1"C
(8) F-SPAR-BT2
(9) F-SPAR-5
(10) F-SPAR-1
(11) F-LCAL-14

SCHEDULE OF ELECTRICAL ACCOMMODANCES

AREA DESIG	NET RENTABLE AREA (SF)	FLOOR FLUSH FIXTURES & THRESHOLD OUTLETS	FLOOR MOUNTED SINGLE POLE DUPLEX	FLOOR MOUNTED TELEPHONE OUTLETS	FLOOR MOUNTED (FLEX) RECEPTACLES
		TYPES FOR UNIT			
*	7800	10	1	2	12
**	5900	32	3	8	18
***	270	-	-	-	-
****	2300	-	-	-	-

* USA (UNASSIGNED SPACE #1)
** USA (UNASSIGNED SPACE #2)
*** MAIN (MAIN SPACE #3)
**** PA - ROOM

CONTRACT - BID - DRAWING DATE JULY 26, 1972

NO	DATE	BUL NO	BY	NO	DATE	BUL NO	BY
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8" = 1'-0" scale 0 5 10 15 20 feet

TITLE: LIGHTING AND POWER SERVICE LEVEL ELEV. 29'-4"

DRAWN	BFH	CHECKED	JCL
SCALE	1/8"=1'-0"	DATE	
PROJECT NUMBER		SHEET	
CONTRACT NUMBER			

PART PLAN OF PUMP ROOM (POWER)

SCALE 1/8"-1'-0"

(2) TYPE "N" UNITS

(23) TYPE "I" UNITS

NOTE: TYPICAL THERMOSTAT LOCATIONS FOR DIRECTION UNITS & BASES (3 UNITS/BAY)

MATCH LINE 7

NORTH

(34) TYPE "J" UNITS

(34) TYPE "M" UNITS

(2) TYPE "P" UNITS

(1) TYPE "M" UNIT

(5) TYPE "L" UNITS

(2) TYPE "P" UNITS

REFER PORTION CONNECTION TO EXCHANGE

THIS AREA TO BE AIR-CONDITIONED FROM A.H. UNIT ACS-9-10

THERMOSTAT LOCATION (3 UNITS / BAY)

O.A.I. LOUVER 17'-0"×6'-8" (34,000 CFM) MIN. A.L.D. 17'-0"×2'-5" TOP (15,000 CFM) VAR. A.L.D. 17'-0"×5'-5" BOTTOM (34,000 CFM) A.H. UNIT FOR COMMODITY EXCHANGE

O.A.I. LOUVER 15'-0"×5'-8" (37,000 CFM) MIN. A.L.D. 15'-0"×3'-6" TOP (24,700 CFM) VAR. A.L.D. 15'-0"×5'-0" BOTTOM (12,330 CFM) A.H. FOR INDUCTION UNITS S.W. ZONE.

O.A.I. LOUVER 14'-0"×5'-0" (29,300 CFM) MIN. A.L.D. 14'-0"×3'-6" TOP (16,700 CFM) VAR. A.L.D. 14'-0"×5'-0" BOTTOM (12,600 CFM) A.H. FOR INDUCTION UNITS S.E. ZONE

O.A.I. LOUVER 17'-0"×6'-5" (48,000 CFM) MIN. A.L.D. 17'-0"×2'-0" TOP (15,960 CFM) VAR. A.L.D. 17'-0"×5'-0" BOTTOM (32,800 CFM) A.H. FOR INTERIOR SYSTEM

O.A.I. LOUVER 17'-0"×6'-5" (48,000 CFM) MIN. A.L.D. 17'-0"×2'-5" TOP (15,900 CFM) VAR. A.L.D. 17'-0"×5'-0" BOTTOM (31,800 CFM) A.H. FOR PERIMETER SYSTEM

O.A.I. LOUVER 6'-0"×5'-6" (16,500 CFM) A.L.D. 6'-0"×2'-0" (10,900 CFM) A.H. FOR 24 HR. SYSTEM

NOTES

1. ALL DUCT DISCHARGING IN TO PENTHOUSE SHALL TERMINATE 4'-0" ABOVE ELEV. 440'-8" ROOF SLAB WITH BIRDSCREEN.
3. FOR TYPICAL DRAIN & FLUSH CONNECTIONS OF SECONDARY WATER RISERS SEE DWG. M-F-62
4. RUN 1" DRAIN FROM ALL COOLING COIL DRAIN PAN CONNECTIONS TO FLOOR DRAIN.
5. FOR CONTINUATION OF THIS DRAWING SEE DWG. M-F-40.
6. FOR SYMBOLS & ABBREVIATIONS SEE DWG. M-F-1
7. FOR PIPING CONNECTIONS TO CONVERTOR, PUMPS, COILS, EXPANSION TANK AND UNIT HEATERS SEE DWGS. M-F-59 TO M-F-68.
8. DUCT WORK DISTRIBUTION FROM UNIT ACS-9-8 (24 HR. SYSTEM) SHALL BE HIGH PRESSURE CONSTRUCTION THRU-OUT.
9. FOR FAN E-9-5, E-9-6 AND E-9-6 SEE INLINE CENTRIFUGAL FAN SUPPORT DETAIL ON DWG. #M-F-40.
10. EXISTS (SUB-DIVISION OF TENANT SPACE TO BE DETERMINED FROM TENANT ARCH. DWGS.
11. SMOKE DETECTORS SHALL BE LOCATED IN MAIN DISCHARGE DUCT OF AC UNIT (ON SUCTION SIDE OF R.A., EXHAUST, & SPILL AIR FANS. NUMBER AS INDICATED ON ELEC. DWG. NO. E-P-47.

PIPE SHAFT DETAILS
SCALE - 1/4"=1'-0"

RECEIVED
FEB 21 1975

KEY PLAN

SKILLING-HELLE CHRISTIANSEN-ROBERTSON
233 PARK AVE. N.Y.C.

CONTRACT BID DRAWING note

CHIEF ENGINEER
EXECUTIVE DESIGN DIRECTOR
CHIEF ARCHITECT
APPROVED

REVISIONS

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL & ELECTRICAL AUTHORITY

TITLE: SOUTHEAST PLAZA BUILDING 9TH FLOOR PLAN SOUTH MER. AND OFFICE PLAN

DESIGNED	K. URASHIMA	DRAWN	P.N.
SCALE	1/8"=1'-0"	DATE	MAY 1974
PROJECT NO.	WTC 190.50	DRAWING NO.	M-F-39

NORTH

MATCH LINE 7

MECH EQUIP RM
PLENUM AREA "1"
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-2")

MECH EQUIP RM
PLENUM AREA "2"
FIN FL EL (10'-0")
TOP OF SLAB EL (10'-2")

STAIR 13

STAIR 14

EXTENDED GLOVE WITH P.D.

MOTOR-OPERATED SHUTTER

WALL MOUNTED

CONNECT TO CAVITY WALL
SEE DRAWING A-F-58

CABINET HEATER - CH-B-2
THERMOSTATICALLY CONTROLLED
FL MODEL
FOR DETAILS SEE DWG. M-F-45

CABINET HEATER - CH-B-3
THERMOSTATICALLY CONTROLLED
FL MODEL
FOR DETAILS SEE DWG. M-F-45

NOTES:-
1. TERMINATE 4'-0" ABOVE SLAB. 4-40-8" SLAB WITH BIRDSCREEN

KEY PLAN

PLAZA — MATCH LINE — CHURCH STREET — LIBERTY STREET

RECEIVED
FEB 21 1975

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
220 PARK AVE. N.Y.C.

CONTRACT NO. DRAWING NO.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
MECHANICAL, ELECTRICAL, PIPING, UTILITIES, FOUNDATIONS

TITLE
SOUTHEAST PLAZA BUILDING
MAIN ROOF & BULKHEAD
PLAN SOUTH

DRAWN: K.O.LI. CHECKED: R. GREENBERG
SCALE: 1/8"=1'-0" DATE: 11-15-73
PROJECT NO.: WTC 190.50 SHEET 32 OF 56

CUSTOMS

ELECTRIC SUB-STATION

A.C. FAN ROOM

UNASSIGNED SPACE #2

A.C. SHAFT

PUMP ROOM

STAIR U-4

4" FSP ON W/ 125' OF 2½" HOSE ON RACK

FOR PIPING IN THIS AREA SEE PART PLAN AT RIGHT

CONC. PAD

FOR CONT SEE PART PLAN AT RIGHT

FOR CONT SEE BELOW GRADE DWGS.

4" F.C.P. DROP TO H.C. HOSE OUTLET

4" S.DN. 2" C.W. CONN. TO 2" C.W. HEAT EXCH. 2" C.W. RET. ON 4" H.W.C.

2" C.W. DN 2" H.W. DN 2" C.W. 3" H.W. CONN. TO 3" H.W. HEAT EXCH. 4" H.W.C. DN

4" F.C.P. DROP TO H.C. HOSE OUTLET

"E" SHAFT

"A" SHAFT

RISER SHAFT

ELEVATOR MR #18

PIT PE #18

ELEVATOR MR #16

PIT PE #16

ELEVATOR MR #14

PIT PE #14

ELEVATOR MR #12

PIT PE #12

ELEVATOR MR #19

PIT PE #19

ELEVATOR MR #20

PIT PE #20

ELEVATOR MR #21

PIT PE #21

ELEVATOR MR #22

PIT PE #22

ELEVATOR MR #23

PIT PE #23

CELLAR STAIR #3

STORAGE

VEST

LAUN.

JAN. C.

MEN

WOMEN

8" FD UP

12" S. UP

10" S. UP

12" L UP

4" S DN

4" S DN & 2" H UP TO CLG

2" C.W. DROP DN TO FIXTURES

4" S.DN

4" S.DN & 2" H UP TO CLG

4" S.DN IN WALL

4" S.DN IN WALL

4" S.DN IN WALL

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK, NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
220 PARK AVENUE, NEW YORK

WERNICK & PEREIRA
ARCHITECTURAL ASSOCIATES
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
200 PARK AVENUE, NEW YORK

GENERAL NOTES:

1. ALL PARTITIONS TO BE CFU, EXCEPTIONS TO BE NOTED, UNLESS OTHERWISE NOTED.
2. ALL CONCRETE, MASONRY WALLS, UNLESS TO BE 8" THICK, TO BE AS NOTED.
3. WHERE HEIGHTS OF WALLS ARE NOT GIVEN, THEY SHALL BE 9'-0".
4. ALL CONCRETE MASONRY UNITS ARE TO BE NORMAL WEIGHT, AS PER SPECIFICATIONS.
5. FOR DOOR SCHEDULES AND FRAMES, SEE FLR. PLANS.
6. FOR FINISHES, SEE FLR. PLANS & SPECIFICATIONS.
7. ALL CONCRETE MASONRY UNITS ARE TO BE NORMAL WEIGHT, AS PER SPECIFICATIONS.

LEGEND

- DEMOLISH EXISTING WALLS
- CFU. WALLS
- GYP. PARTITION
- DUCTS OR CHASES
- MECHANICAL
- (W) WATCHMAN'S

NO.	DATE	DESCRIPTION
14	7-6-81	GOT CLASSIFIED, BULLETIN
13	11-6-80	WATCHMANS KEY STATIONS
12	5-20-80	5th LEVEL MOD
11	4-24-79	BULLETIN No 29
10	3-8-79	BULLETIN # 28
9	2-21-79	BULLETIN # 27
8	2-5-79	BULLETIN # 26
7	6-11-79	BULLETIN No 30
6	7-24-79	BULLETIN # 31
5	1-5-79	ADDENDUM
4	8-3-78	BULLETIN # 25
3	10-12-78	GENERAL CORRECTIONS
2	5-18-78	BULLETIN # 24
1	2-21-78	BULLETIN # 23

ISSUED FOR GYPSUM DRY WALL PROOFING ONLY

NO.	DATE	DESCRIPTION

AS BUILT DWGS

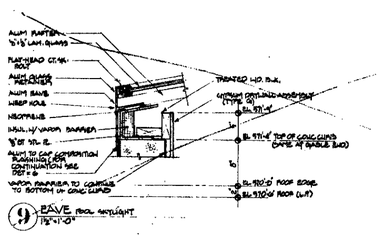
SERVICE LEVEL PLAN

A 1

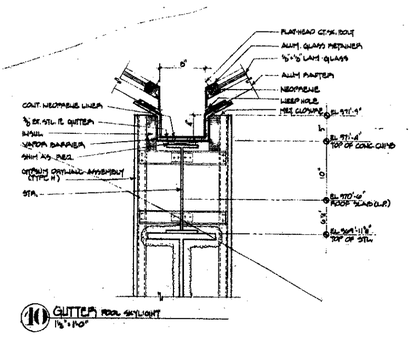
RECEIVED
NOV 19 1992

LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

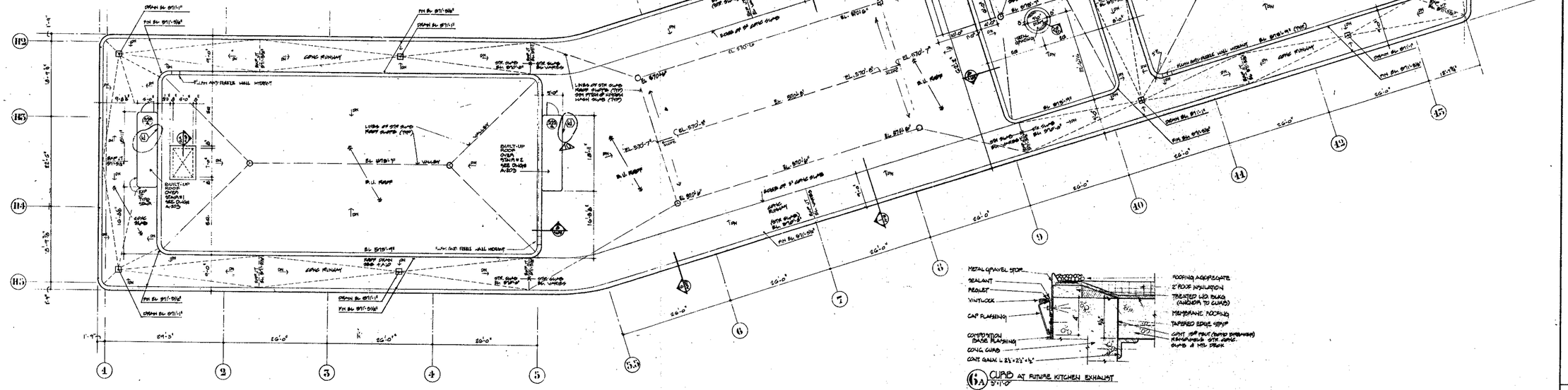
VOID

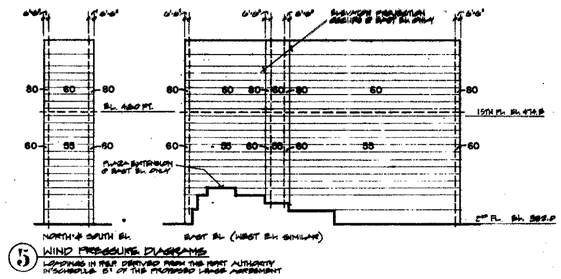


9 PAVE SKYLIGHT
1"=1'-0"



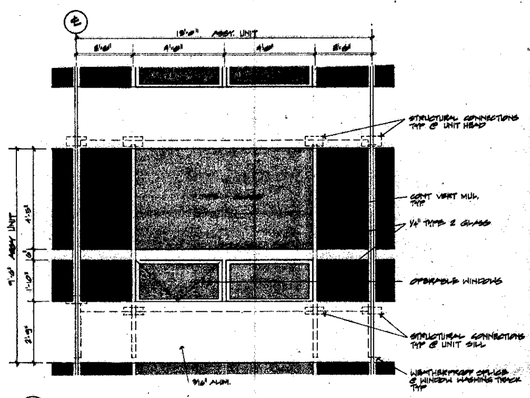
10 GUTTER SKYLIGHT
1"=1'-0"



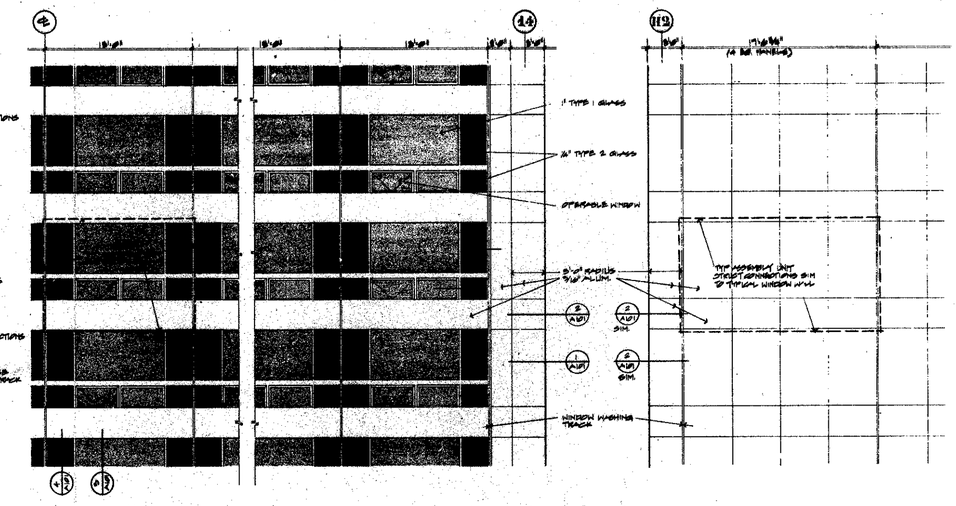


5 WIND PRESSURE DIAGRAMS

LOADINGS IN PSF DERIVED FROM THE PORT AUTHORITY INTERIM RULES OF THE PROPOSED LARGE AMENDMENT

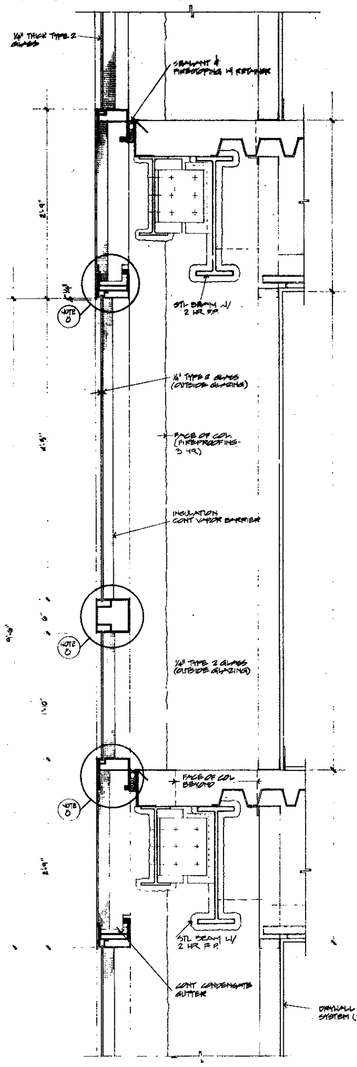


6 TYPICAL ASSEMBLY UNIT ELEVATION

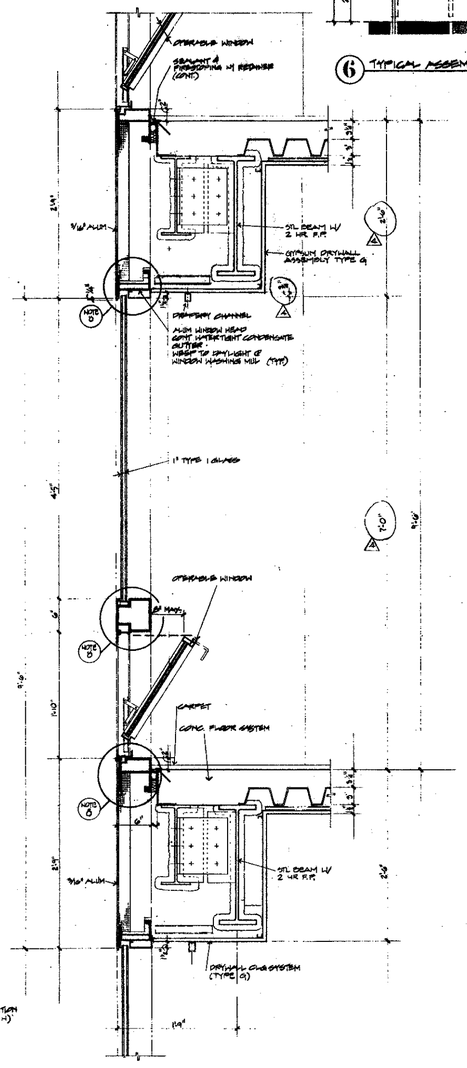


7 TYPICAL WINDOW WALL ELEVATION

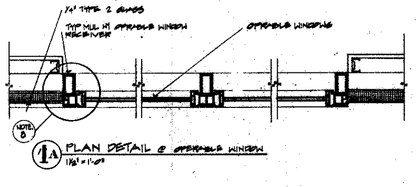
8 TYPICAL NORTH WALL ELEVATION



4 SECTION THRU OPAQUE GLASS

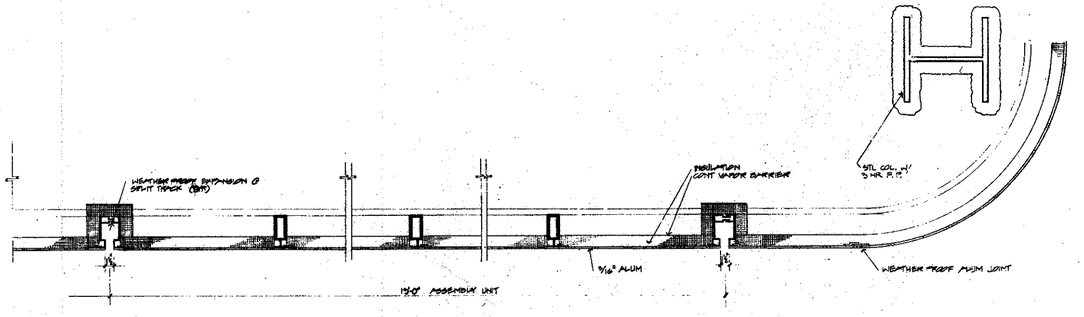


3 SECTION THRU VISION GLASS



1A PLAN DETAIL @ OPERABLE WINDOW

1 PLAN DETAIL @ VISION GLASS



2 PLAN DETAIL @ ALUM. PANEL

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

General Notes:

1. Details not shown are similar in character to those detailed.

2. The anchorage shapes and details shown are suggestive and shall be engineered and detailed as required to satisfy performance requirements.

3. Conceal all fastenings, except as specifically shown.

4. All butt joints shall have concealed backup with captive sealant.

5. See mechanical drawings for the location of cutouts in louvered insulated stand-off panels.

6. Coordinate window washer track design and loading with the contractor for window washer equipment.

7. Engineer operable windows for each space to provide the ventilating area required in section 27 [illegible] of the Building Code for the City of New York.

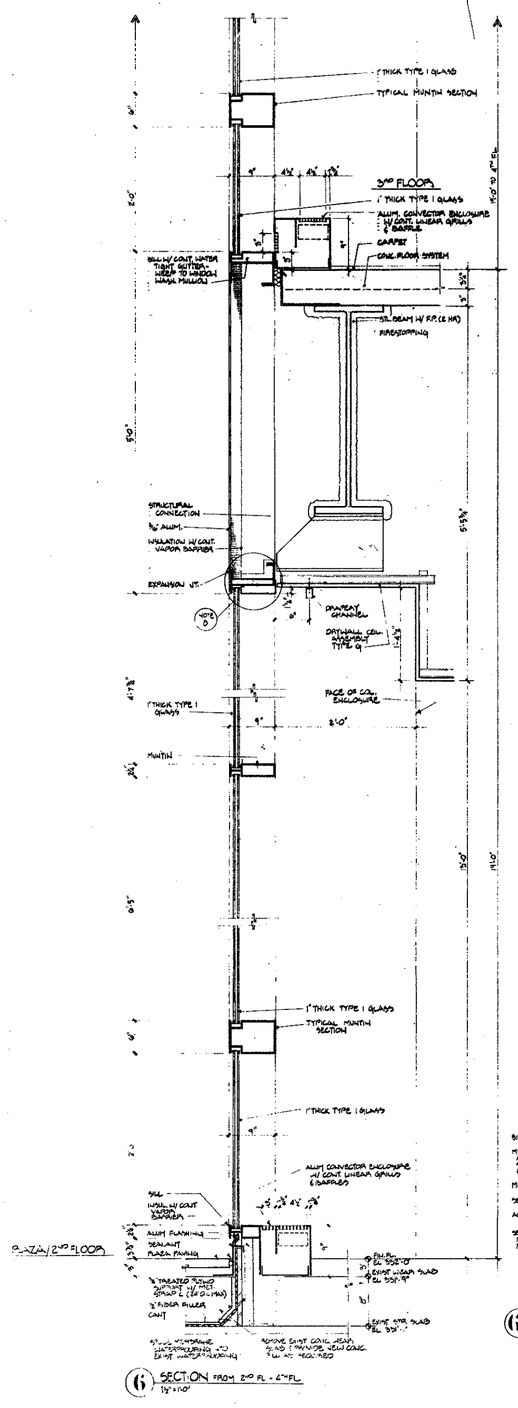
[illegible] SEE SHOP DRAWINGS FOR [illegible] SHOP DRAWINGS

NO	DATE	REVISIONS
4	5-27-75	ISSUED FOR CONSTRUCTION
3	2-6-75	[illegible]
2	1-3-75	ISSUED FOR PORT AUTHORITY REVIEW
1	[illegible]	[illegible]
	[illegible]	[illegible]

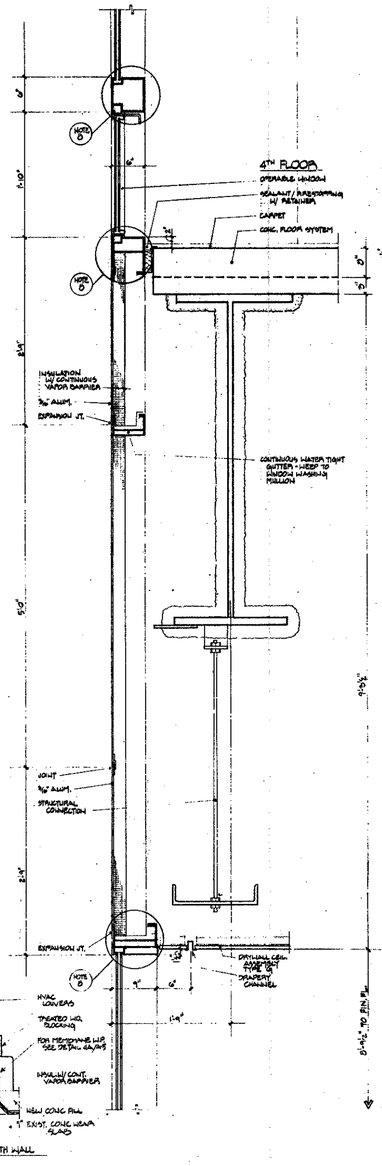
WINDOW WALL PART. ELEVATIONS & SECTIONS FLOORS 4 thru 20

DATE 6-23-75
SCALE AS NOTED
DRAWING NO. A-101
PROJECT NO. 5482

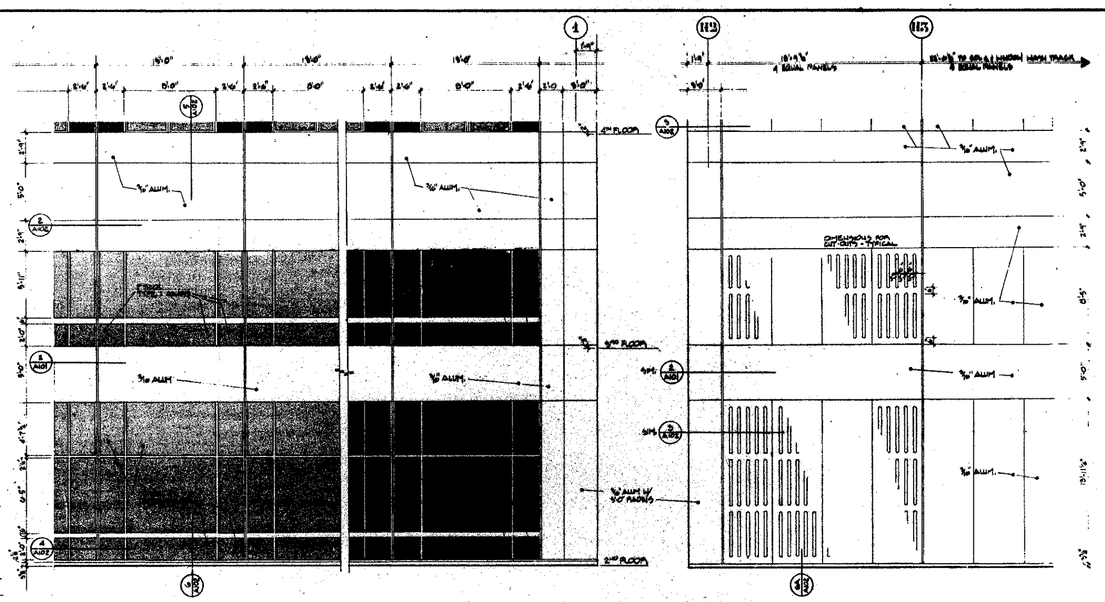
RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



6 SECTION FROM 2ND FL - 4TH FL
1½" = 1'-0"

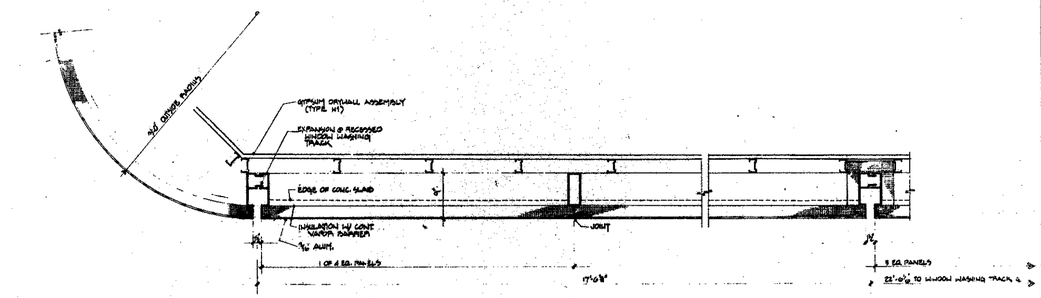


6A SECTION @ 2ND FL/NORTH WALL
1½" = 1'-0"

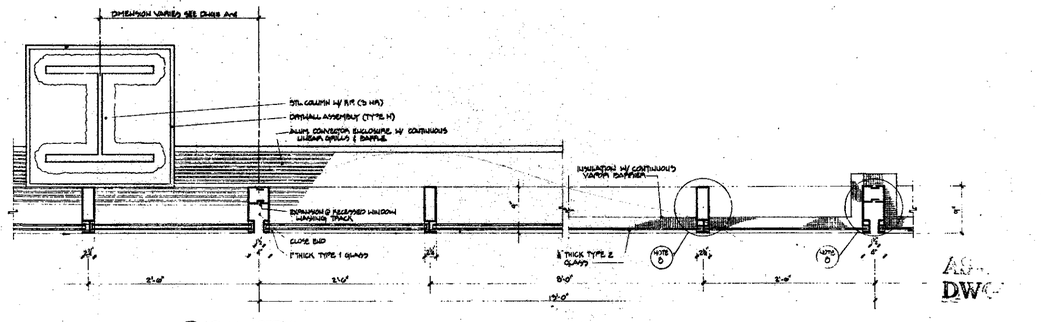


1 PART ELEVATION @ 2ND & 3RD FLOORS
1/8" = 1'-0"

2 PART ELEVATION @ NORTH WALL
1/8" = 1'-0"



3 PLAN DETAIL THRU NORTH EXTERIOR WALL
1½" = 1'-0"



4 PLAN DETAIL THRU 2ND/3RD FL. VISION GLASS
1½" = 1'-0"

5 SECTION @ TRANSFER LEVEL
1½" = 1'-0"

6A SECTION FROM 2ND FL - 4TH FL
1½" = 1'-0"

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

FOR WINDOW WALL GENERAL NOTES SEE DWG A1.1

NO	DATE	REVISIONS
4	3-23-79	ISSUED FOR CONSTRUCTION
3	2-6-79	ADD'L MOUNT #5 (W. ROOM WALL)
2	1-15-79	ISSUED FOR PORT AUTHORITY REVIEW
1	12-7-78	ADD'D FOR OPTIONAL DRYWALL @ 2ND FLOOR ONLY
		ADD'D FOR WINDOW WALL @ 4TH FLOOR

WINDOW WALL PART ELEVATIONS AND SECTIONS 2ND AND 3RD FLOORS

DATE 11-23-78
SCALE AS NOTE
DRAWING NO. A-102
PROJECT NO. 1482.8

RECEIVED
NOV 19 1992

LESLIE E. ROBERTSON
ASSOCIATES
211 E. 43th ST., N.Y., N.Y.C. 10017

WORLD TRADE CENTER HOTEL

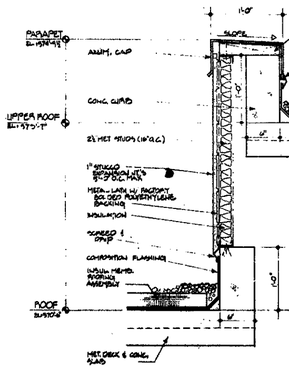
THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

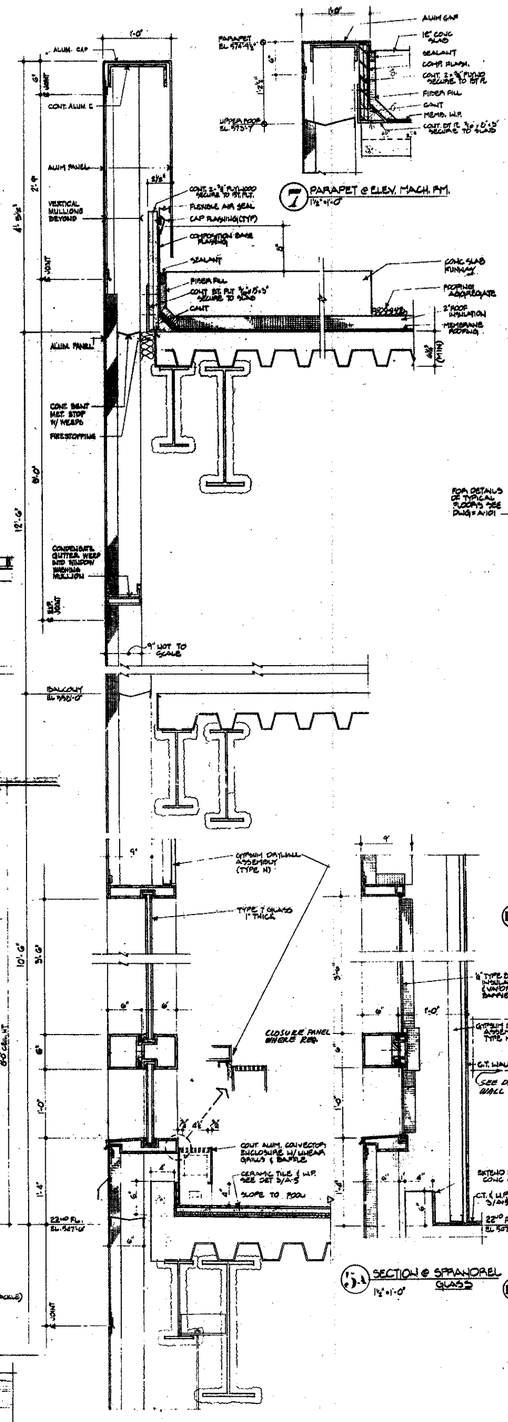
WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

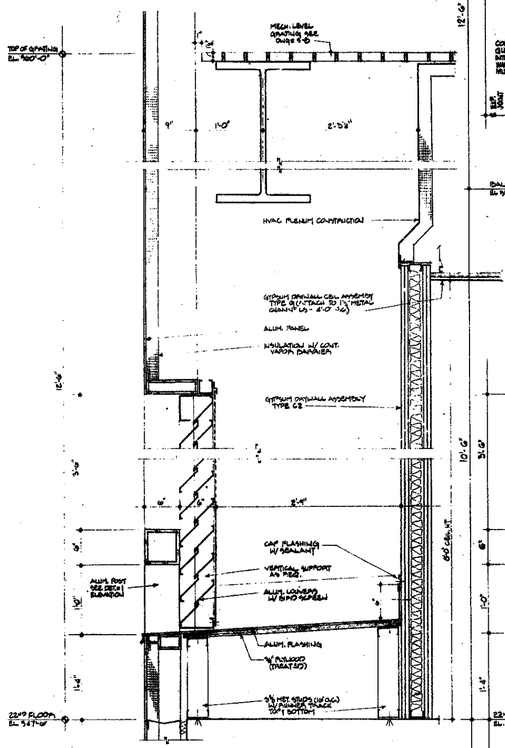
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

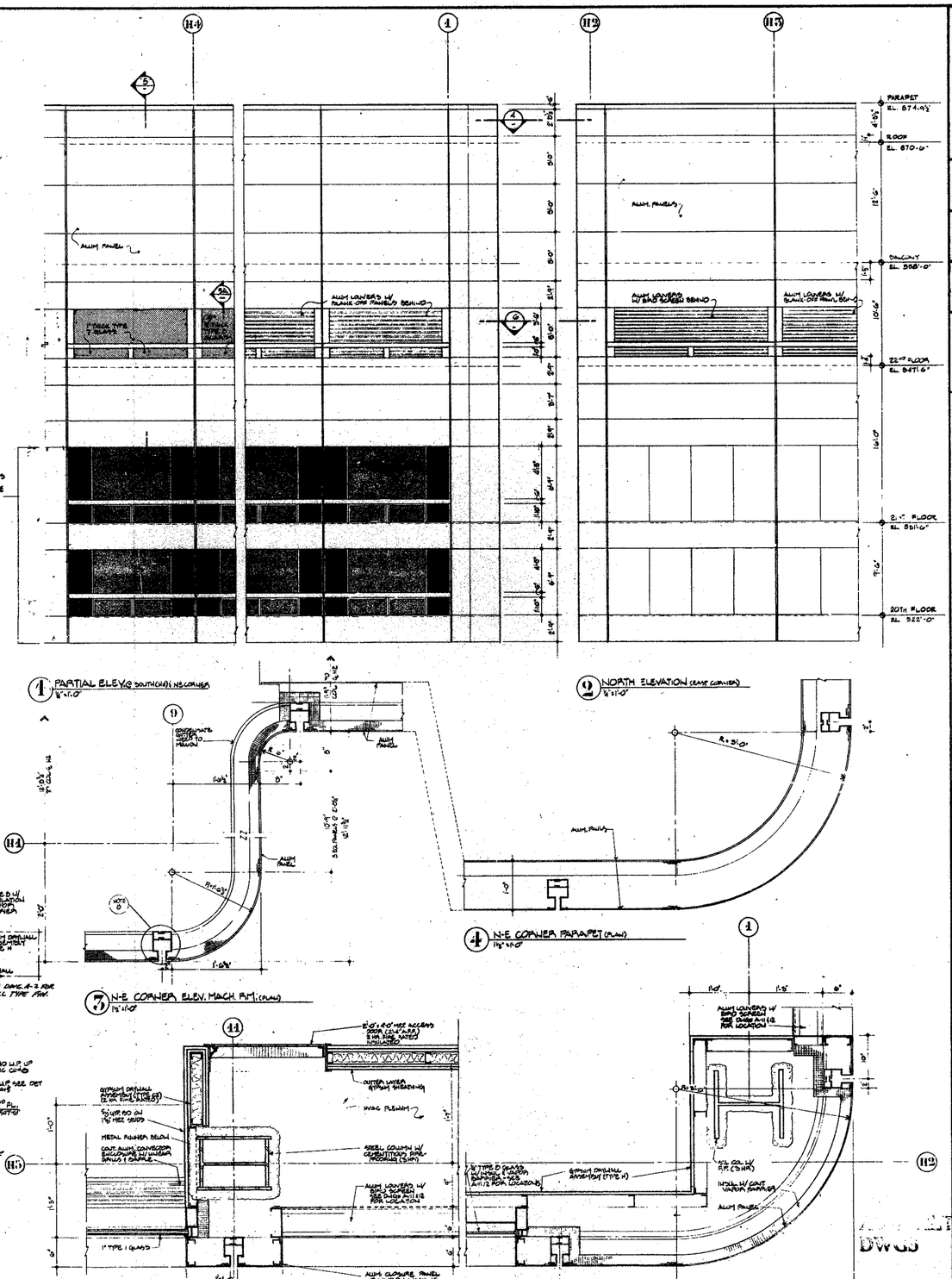
GENERAL NOTES:
1. FOR WINDOW WALL GENERAL NOTES SEE DWG A-51



8 SECTION THRU BULKHEAD
SCALE 1½"=1'-0"







4 PARTIAL ELEVS @ SOUTH (H4) & NE CORNER
⅛"=1'-0"

4 N-E CORNER PARAPET (PLAN)
1½"=1'-0"

3 N-E CORNER ELEV. MACH. RM. (PLAN)
1½"=1'-0"

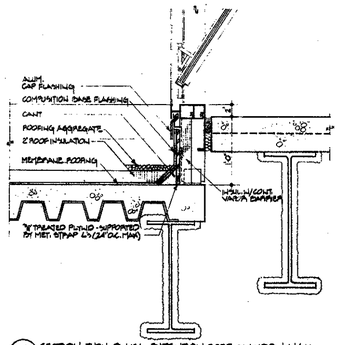
6 22ND FL. (CAT WALK) PLAN
1½"=1'-0"

NO.	DATE	REVISIONS
7	12-17-73	AT MAIN LOBBY, ADDED 1 ELEV. & REVISED ELEV. # 100
6	5-23-73	REVISED ELEV. # 25
5	3-12-73	REVISED FOR CONSTRUCTION
4	2-5-73	ADDED ELEV. # 23 (= 24th floor)
3	1-15-73	REVISED FOR FOR AUTHORITY REVIEW
2	8-4-72	REVISED PER [illegible] AT MAIN LOBBY, ELEV. # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000
1	8-2-72	ADDED ELEV. # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

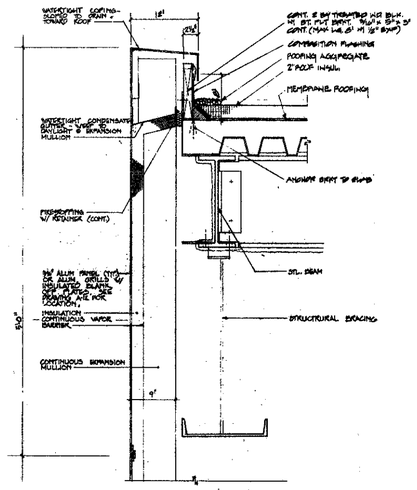
WINDOW WALL PART ELEVATIONS AND SECTIONS 21ST FLOOR TO ROOF

DATE
SCALE
DRAWING NO. A-103
PROJECT NO. 1487

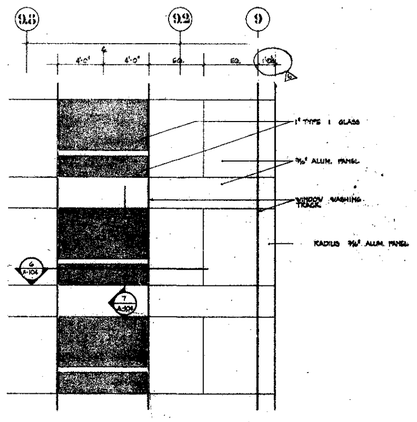
RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



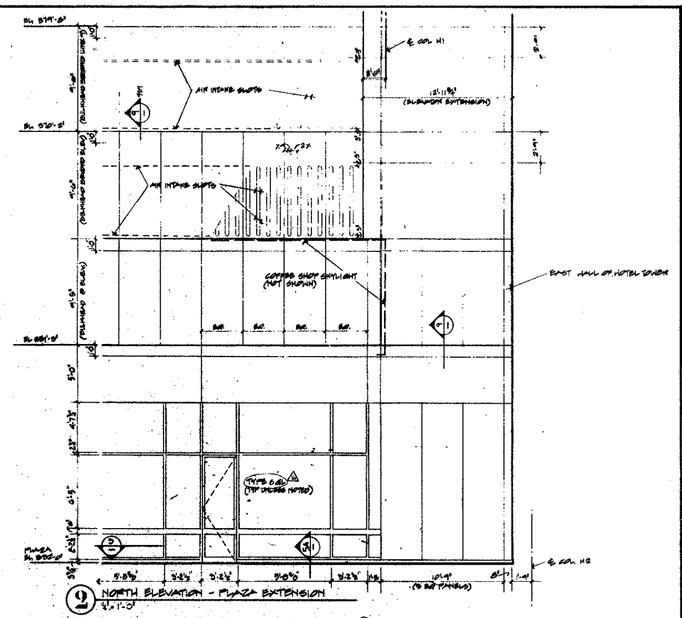
8 SECTION THRU PLAZA EXTENTION ROOF @ WINDOW WALL
1½" = 1'-0"



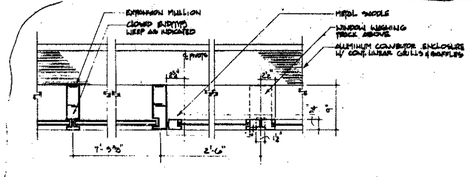
9 PLAZA EXTENTION PARAPET
1½" = 1'-0"



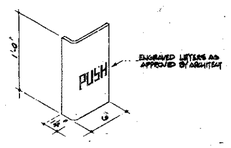
1 ELEVATOR TOWER ELEVATION
1/8" = 1'-0"



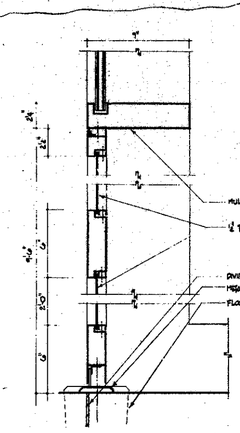
2 NORTH ELEVATION - PLAZA EXTENSION
1/8" = 1'-0"



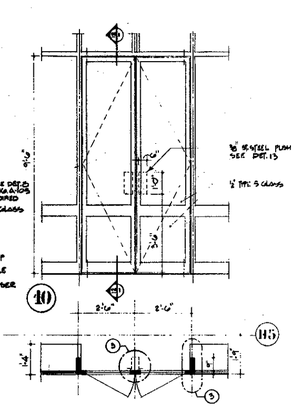
3 COFFEE SHOP - DOOR
1½" = 1'-0"



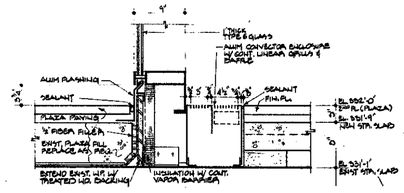
13 DOOR HARDWARE
NO SCALE



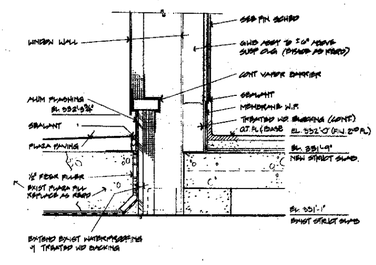
12 COFFEE SHOP - DOOR
3" = 1'-0"



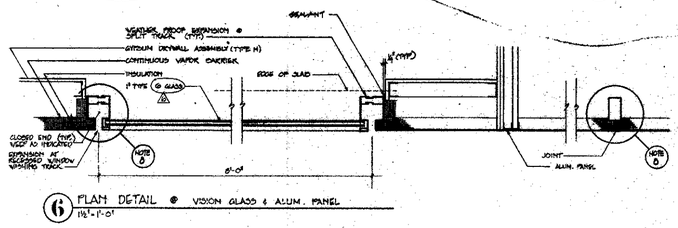
11 COFFEE SHOP - DOOR
1½" = 1'-0"



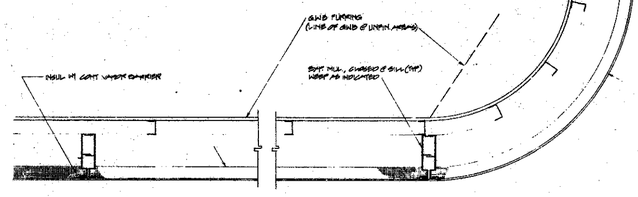
5A BASE @ CONVECTOR
1½" = 1'-0"



5 BASE @ PLAZA W.W.
1½" = 1'-0"



6 PLAN DETAIL @ VISION GLASS & ALUM. PANEL
1½" = 1'-0"



4 PLAN DETAIL @ ALUM. PANEL
1½" = 1'-0"

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FOR VISION WALL GENERAL NOTES SEE DRAWING A101

NO.	DATE	REVISIONS
6	6-28-79	BUILDER'S ...
5	3-27-	...
4	2-6-79	...
3	1-15-79	ISSUED FOR PERMIT AUTHORITY REVIEW
2	2-1-78	...
1	12-27-	...
	12-7-	ISSUED FOR ...

WINDOW WALL PART ELEVATIONS AND SECTIONS - PLAZA EXTENSION AND ELEVATOR TOWER

DATE 5-22-78
SCALE 1/8" = 1'-0"
DRAWING NO. A-104
PROJECT NO. 1057

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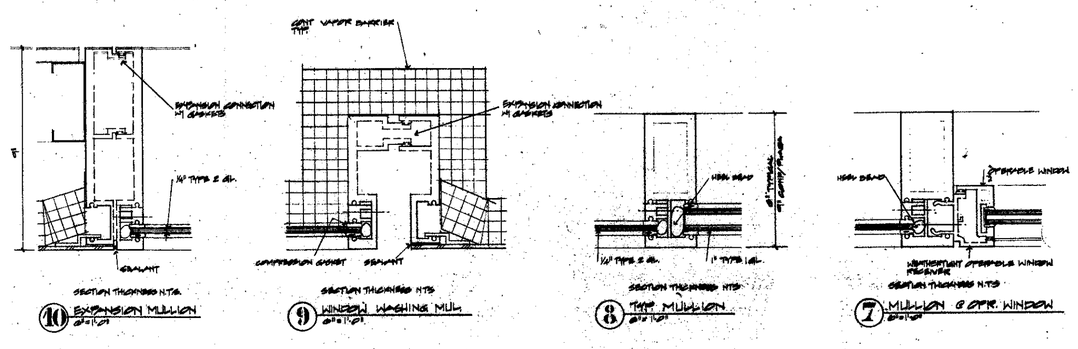

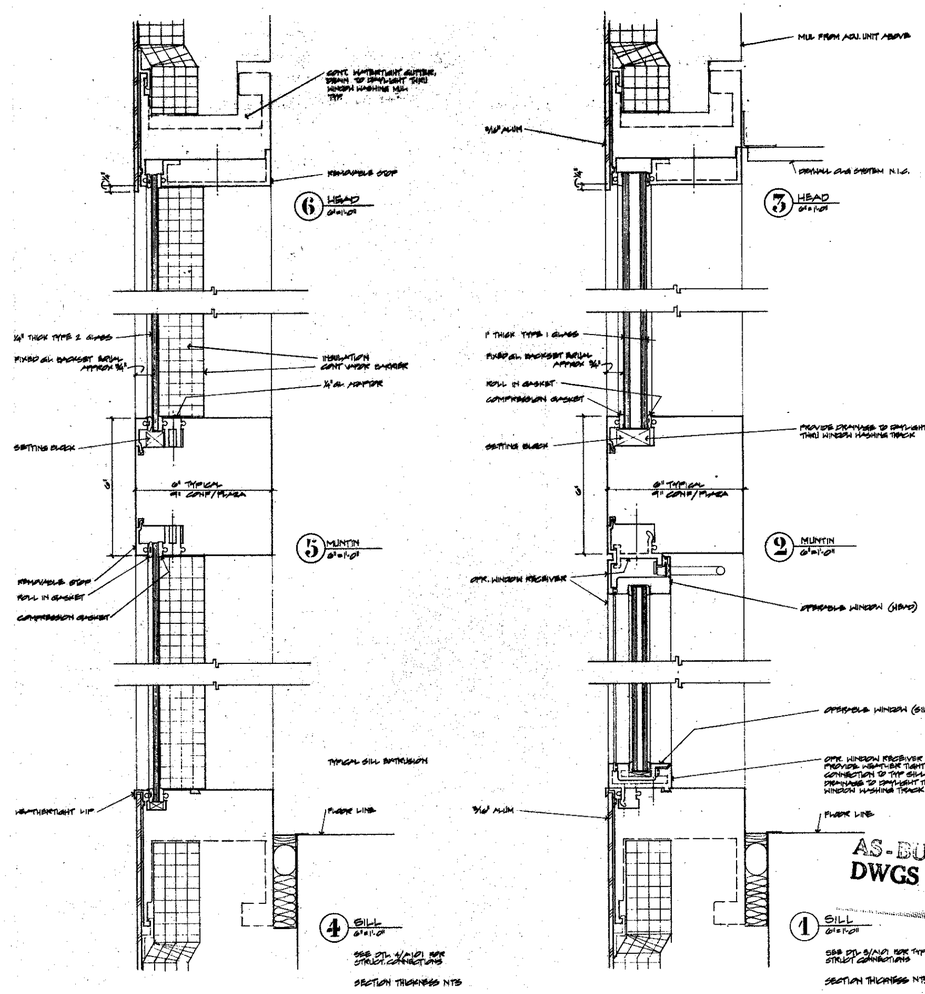

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FOR WINDOW WALL GEN NOTES SEE DWG A101

NO.	DATE	REVISIONS
1	11-5-79	ISSUED FOR PORT AUTHORITY REVIEW
		ISSUED FOR WINDOW WALL BIDDING ONLY

WINDOW WALL ENLARGED DETAILS

DATE 6-25-76
SCALE 3"=1'-0"
DRAWING NO. A-105
PROJECT NO. 5407

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19 MARQUEE 3"=1'-0"

18 ELEVATION 3/8"=1'-0"

17 ELEVATION 3/8"=1'-0"

16 PLAN 3/8"=1'-0"

20 MAIN ENTRANCE DOOR'S LAYOUT 1/8"=1'-0"

10 SIDELIGHT/TRANSOM 3"=1'-0"

11 VESTIBULE/DOORS 3"=1'-0"

12 VESTIBULE 3"=1'-0"

13 REVOLVING DOOR 3"=1'-0"

14 REVOLVING DOOR 3"=1'-0"

15 GLASS PANEL 3"=1'-0"

9 STAIR 3"=1'-0"

8 RAIL 3"=1'-0"

7 RAIL 3"=1'-0"

6 BARRIER FREE DOOR 1½"=1'-0"

5 BARRIER FREE DOOR 1½"=1'-0"

4 COLUMN 3"=1'-0"

3 VESTIBULE/DOORS 3"=1'-0"

2 REVOLVING DOOR 3"=1'-0"

1 COLUMN 3"=1'-0"

9/19/92 NOT ISSUED

NO.	DATE	REVISIONS
G		
5	6-28-77	BULLETIN #681
4	4-15-77	BULLETIN NO 79
3	6-24-77	BULLETIN #52
2	3-2-77	ISSUED FOR CONSTRUCTION
1	11-5-76	ISSUED FOR PORT AUTHORITY REVIEW

ENTRANCE DETAILS

DATE 6-23-75
SCALE AS NOTED
DRAWING NO. A-106
PROJECT NO. 1487

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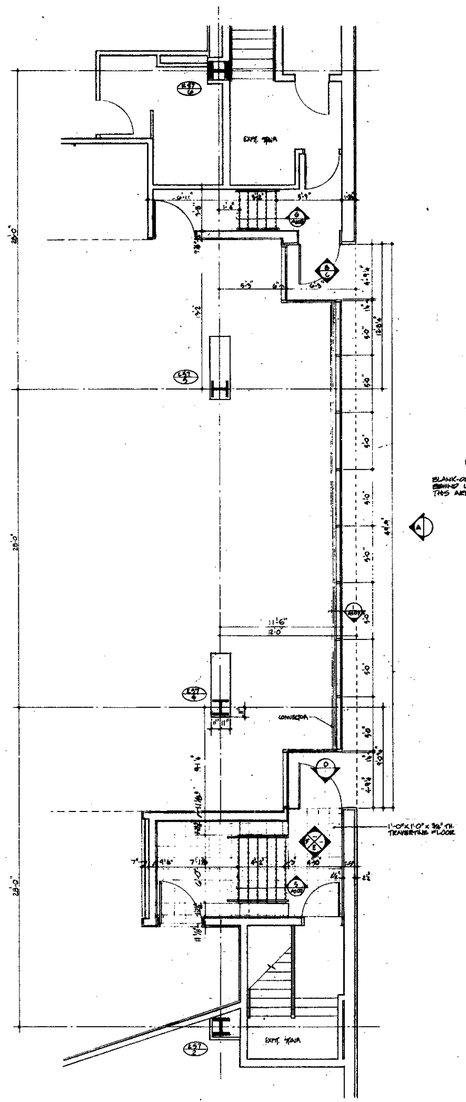
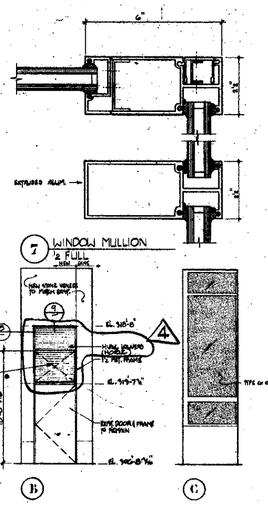
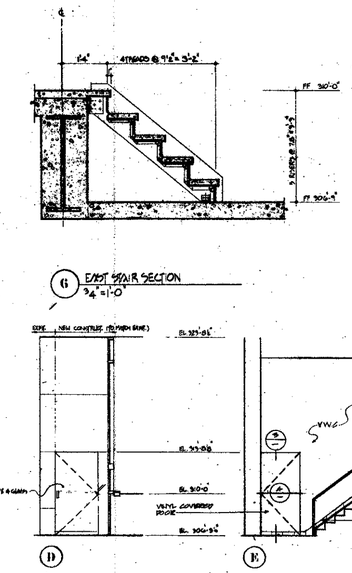
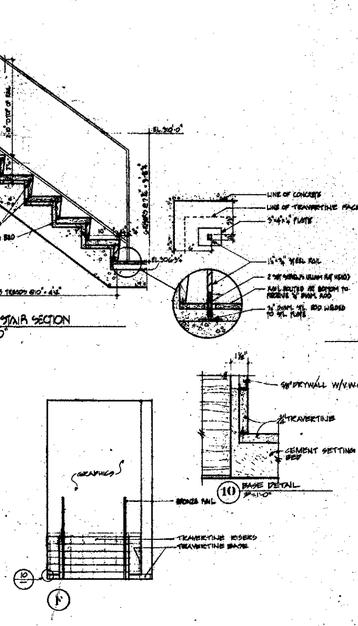
NOTE: FOR GLAZING AND ALUMINUM SEE SPECS SP 2 & SP 13D

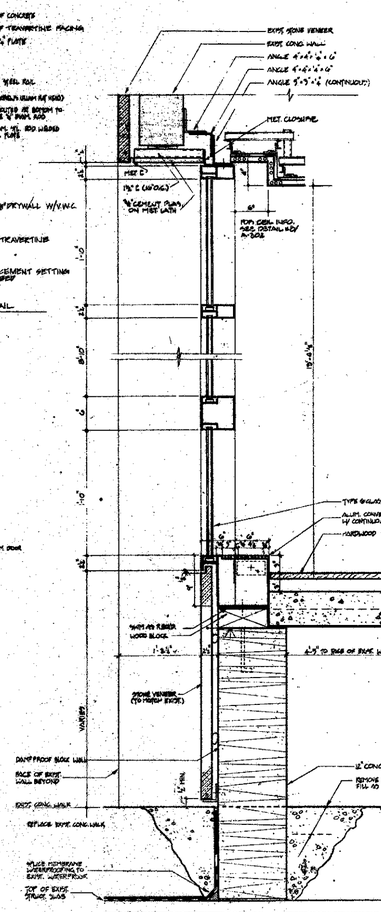


2 BAR PLAN
¼"=1'-0"





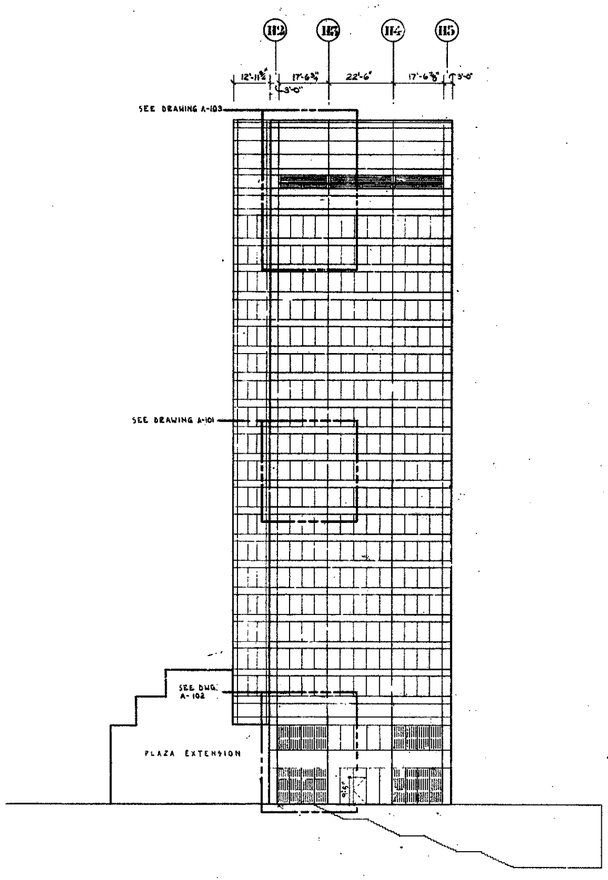


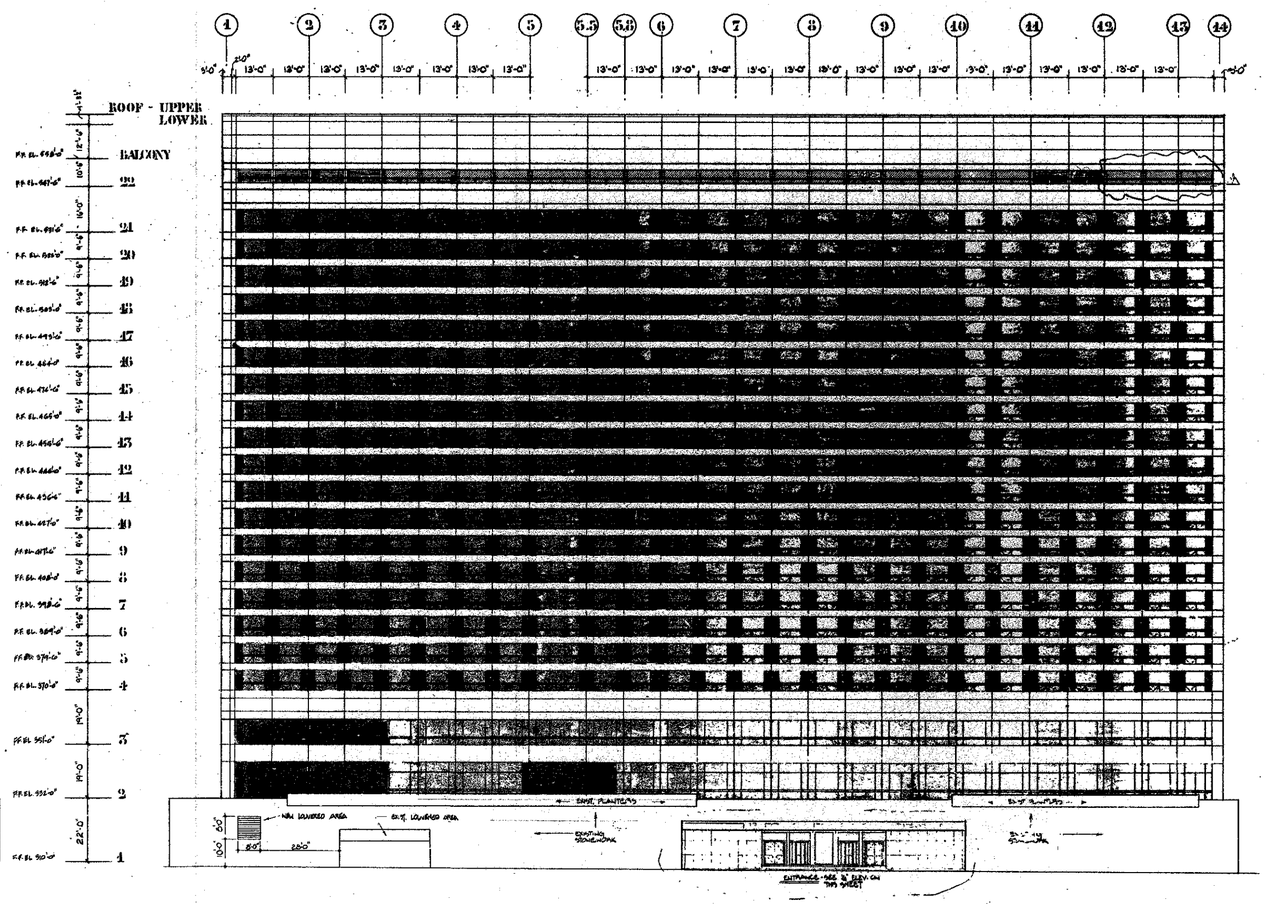


1 WINDOW WALL SECTION
1½"=1'-0"

8 PLAN OF LOUVER JAMB
1½"=1'-0"

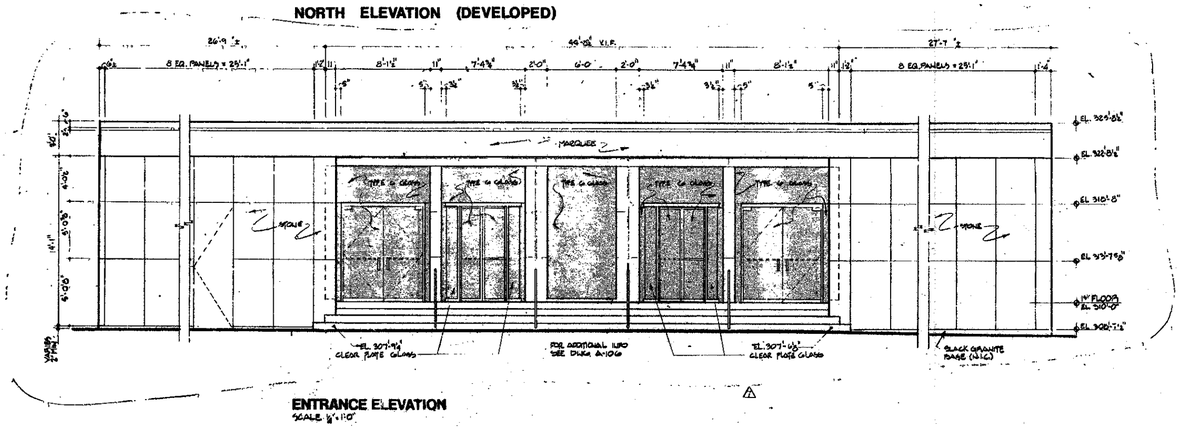
9 SECTION THRU LOUVER



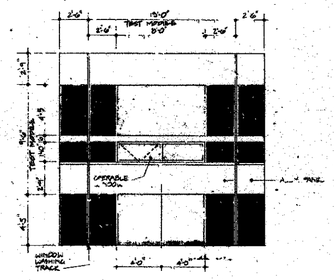


NORTH ELEVATION (DEVELOPED)

WEST ELEVATION (DEVELOPED)



ENTRANCE ELEVATION
SCALE 1/8"=1'-0"



EXTENT OF MOCK-UP
SCALE 1/4"=1'-0"

LEGEND

- TYPE 1 GLASS
- TYPE 2 GLASS
- TYPE 6 GLASS
- TYPE 7 GLASS
- TYPE 8 GLASS
- ALUM. PANEL CUT-OUT
- LOUVERS

NO.	DATE	REVISIONS
1	9-2-75	SUBMITTED TO PA
2	9-12-75	ISSUED FOR CONSTRUCTION
3	2-6-76	ADDENDUM #5 (WINDOW WALL)
4	1-15-76	ISSUED FOR PORT AUTHORITY BIDDING
5	11-23-76	MOCK-UP ADDENDUM 1
6	11-7-77	WINDOW WALL REVISION
	6-26-78	ISSUED FOR WINDOW WALL BIDDING ONLY

AS-BUILT DWGS

NORTH & WEST ELEVATIONS

DATE 6-23-78

DRAWING NO. A-11

PROJECT NO. 1-402

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1-41 x 1-41

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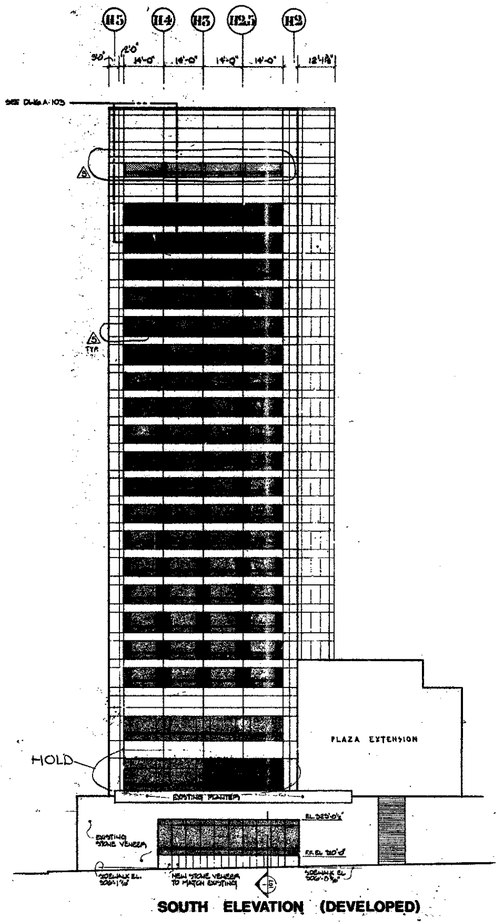
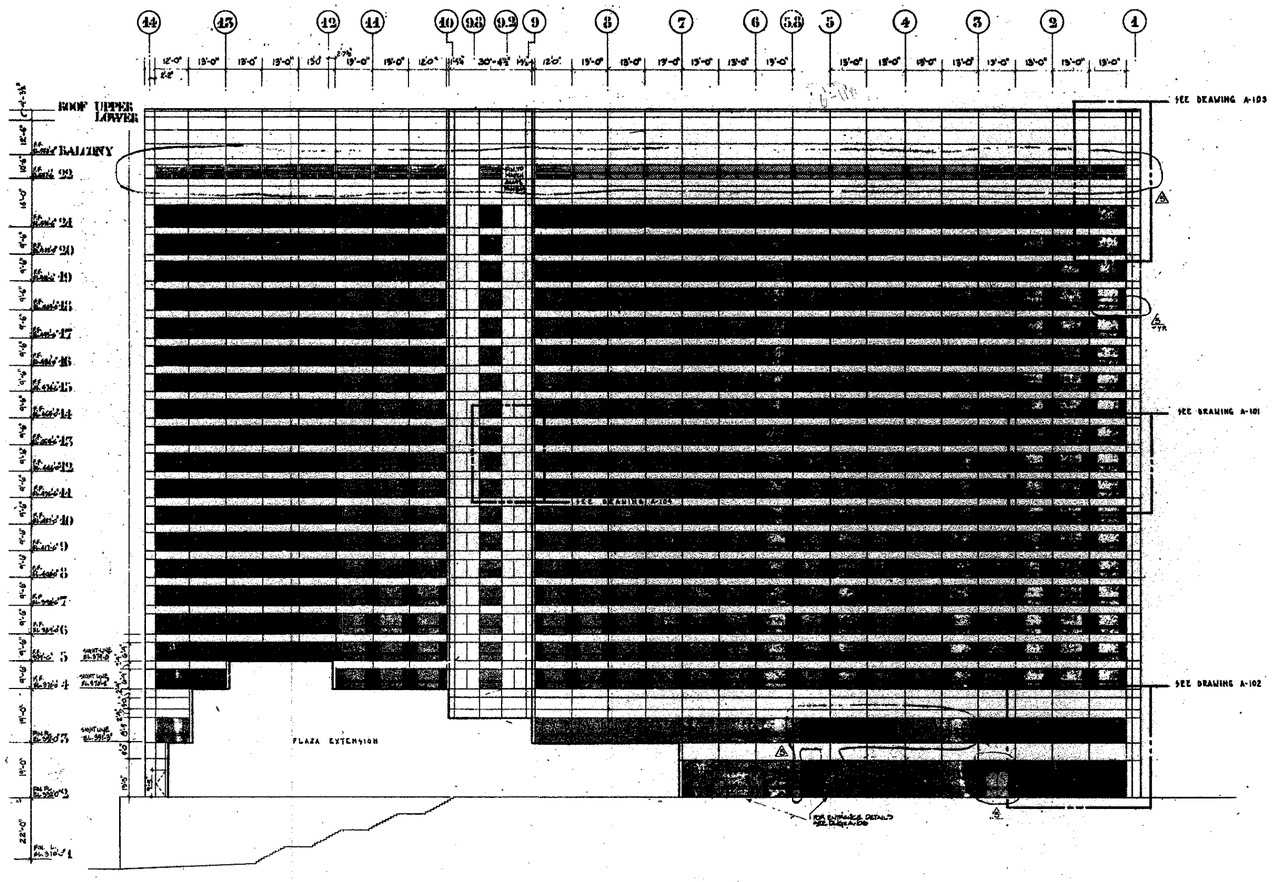
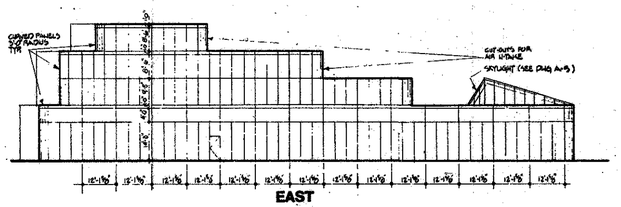
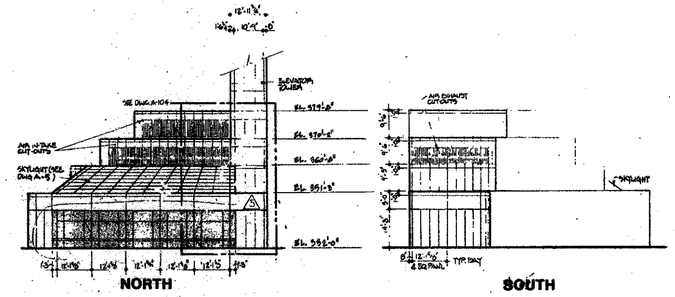


SOUTH ELEVATION (DEVELOPED)



EAST ELEVATION (DEVELOPED)





PLAZA EXTENSION ELEVATIONS

AS-BUILT DWGS

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LEGEND

- TYPE 1 GLASS
- TYPE 2 GLASS
- TYPE 6 GLASS
- TYPE 7 GLASS
- TYPE 8 GLASS
- ALUM. PANEL CUT-OUT
- LOUVERS

NO.	DATE	REVISIONS
1	5-2-79	BULLETIN #25
2	5-18-79	ISSUED FOR CONSTRUCTION
3	8-6-79	ADDENDUM #5 (WINDOW WALL)
4	1-15-79	ISSUED FOR PORT AUTHORITY PERMIT
5	11-17-80	WINDOW WALL ADDENDUM 1 GENERAL REVISIONS
	6-23-82	ISSUED FOR WINDOW WALL SHOPDWG ONLY

SOUTH, EAST, & PLAZA EXTENSION ELEVATIONS

DATE 6-23-82
SCALE 1/16"-1'-0"
DRAWING NO. A-12

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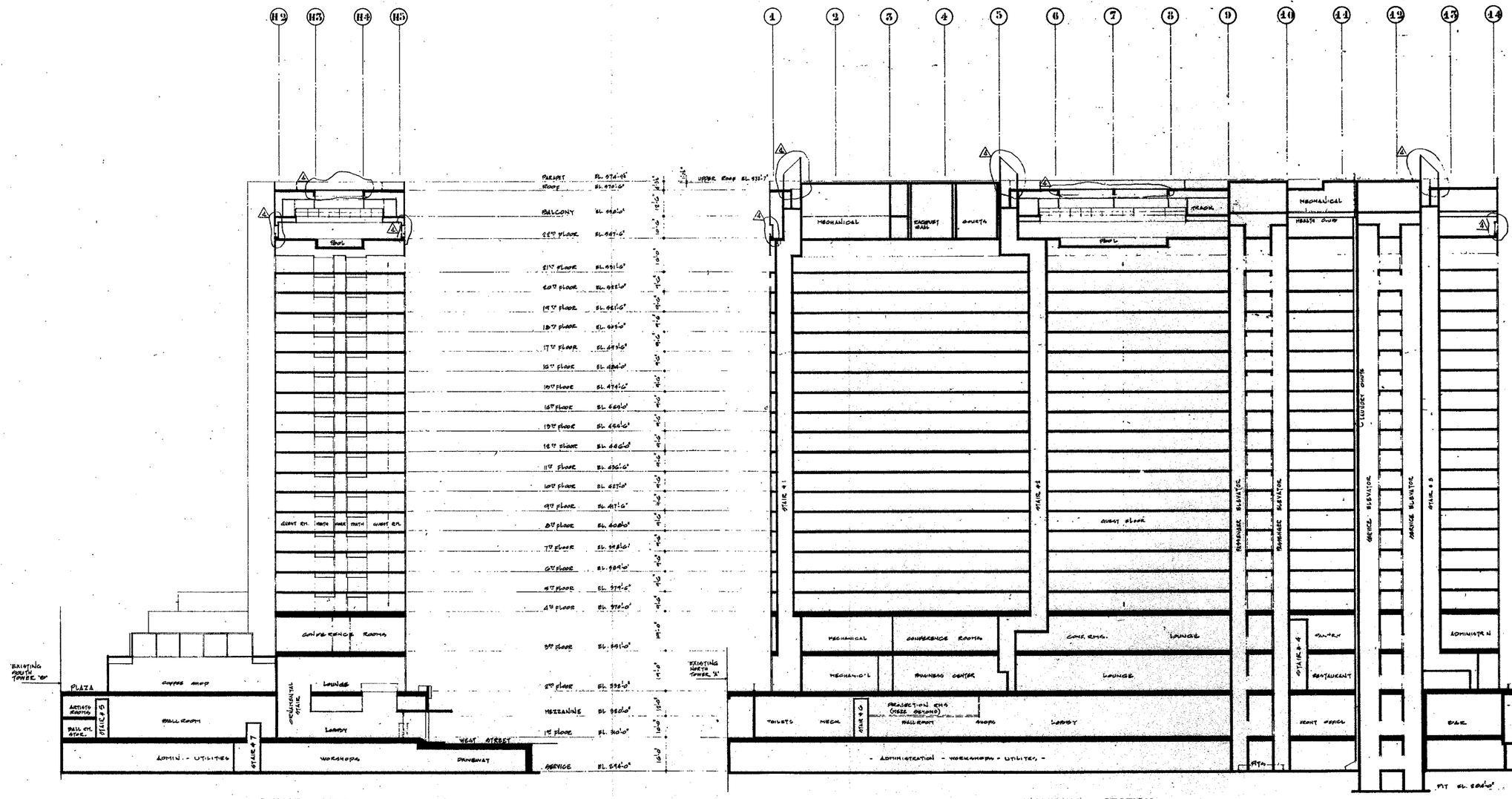

TRANSVERSE SECTION

LONGITUDINAL SECTION

AS-BUILT DWGS

NO.	DATE	REVISIONS
5	3-27-79	GENERAL REVISION ISSUED FOR CONSTRUCTION
2	1-15-79	ISSUED FOR PRELIMINARY BIDDING
1	8-21-78	ISSUED FOR PASSENGER BIDDING ONLY
		ISSUED FOR STEEL FAN STAIR DIPPING ONLY

LONGITUDINAL & TRANSVERSE SECTIONS

DATE 7-26-78
SCALE 1/16"-1'-0"
DRAWING NO. A-13

RECEIVED
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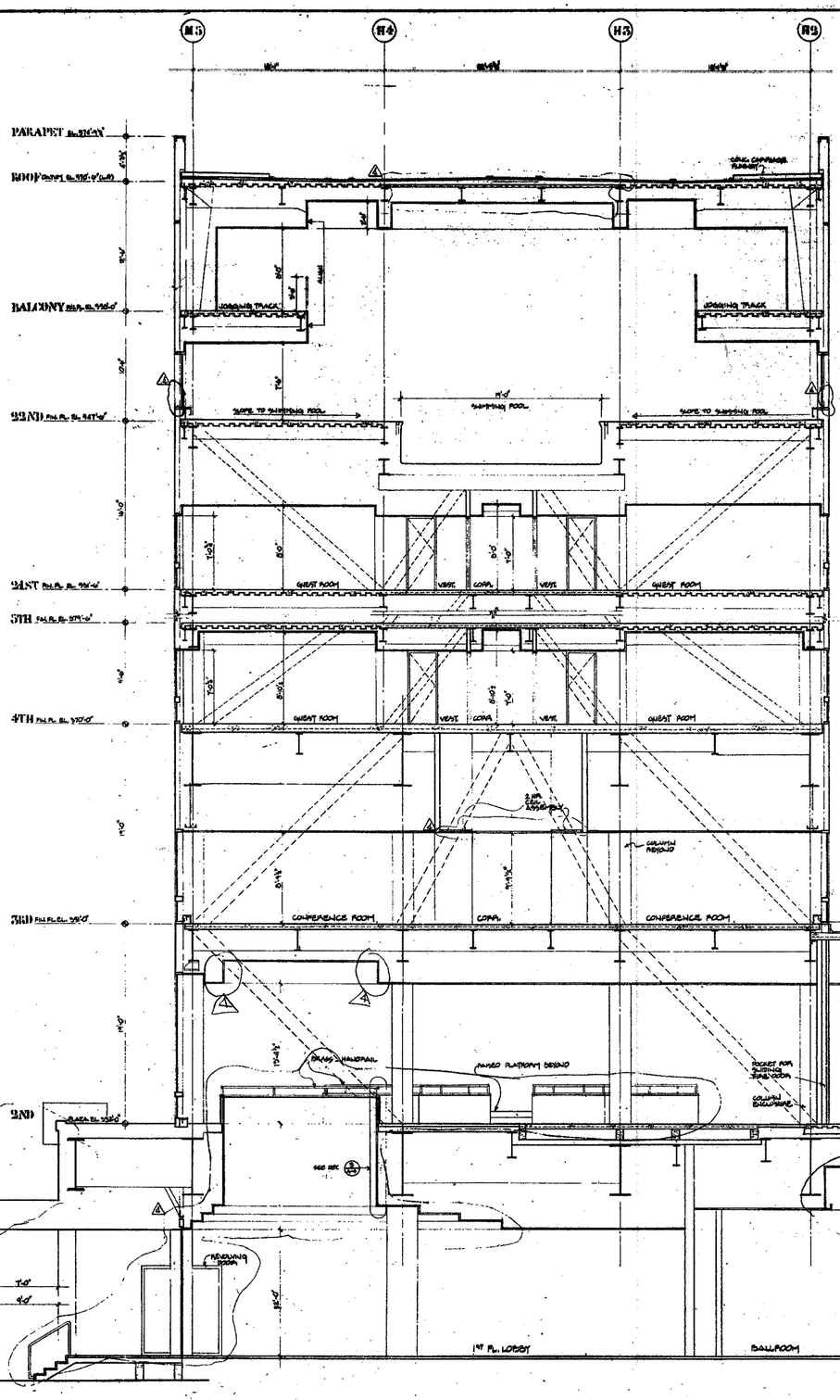
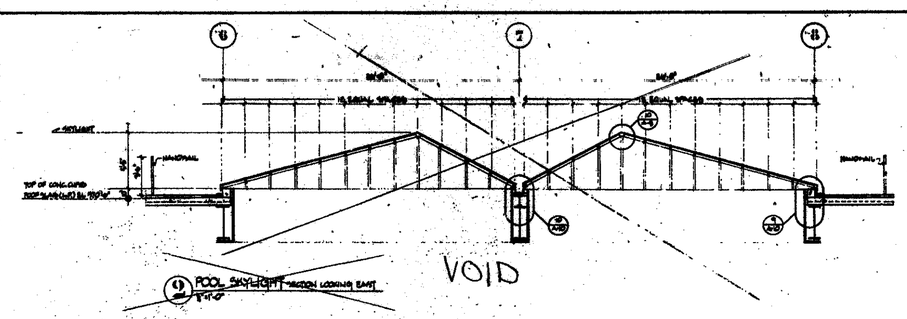
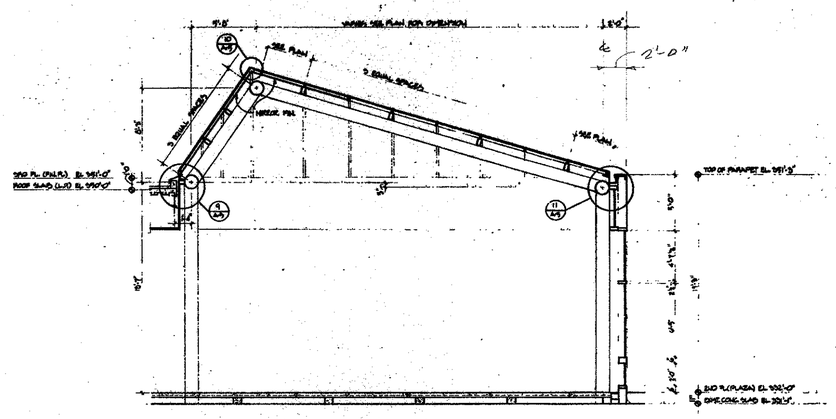


1 TRANSVERSE BUILDING SECTION
3/32" = 1'-0"



2 POOL SKYLIGHT SECTION LOOKING EAST
3/16" = 1'-0"



3 COFFEE SHOP SKYLIGHT SECTION LOOKING WEST
3/16" = 1'-0"

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4	9-10-79	BULLETIN NO 79
3	9-5-79	DRAWN @ 1/8"
2	9-4-79	ISSUED FOR CONSTRUCTION
1	7-19-79	REVISED PER PLANNING REVIEW
NO.	DATE	REMARKS

ENLARGED TRANSVERSE SECTION & SKYLIGHT SECTIONS

DATE 12-15-78
DRAWING NO A-14
SCALE 1/16" = 1'-0"

AS-BUILT DWGS

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A-14

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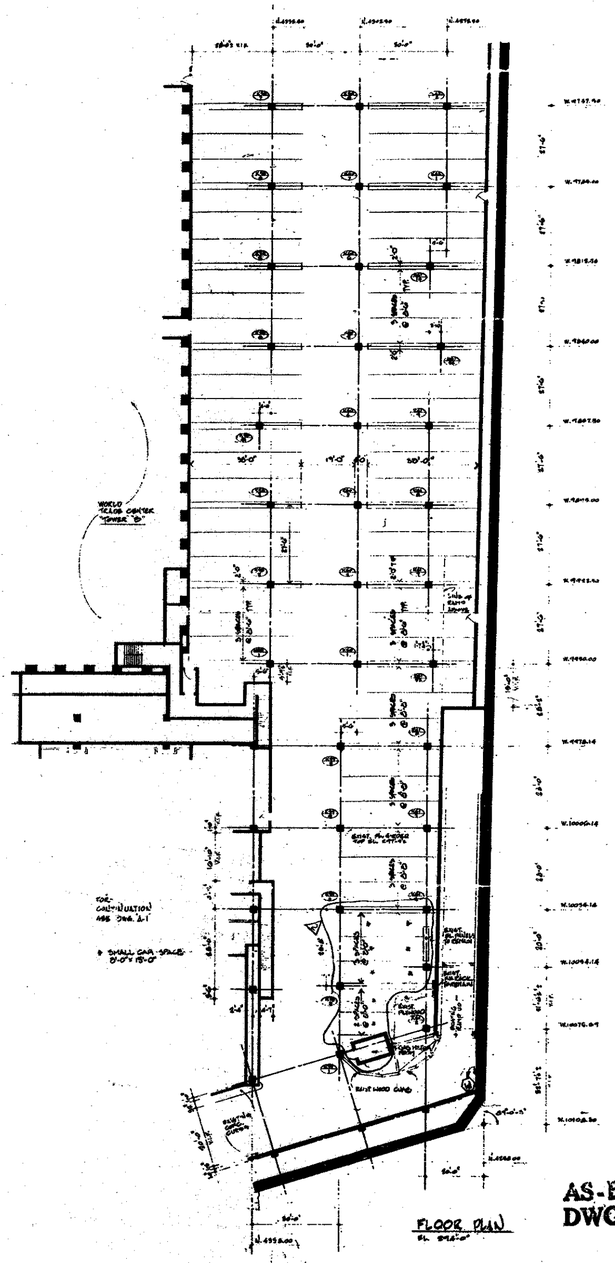

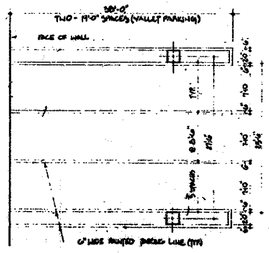

TYPICAL PARKING SPACE LAYOUT
3/8" = 1'-0"

AS-BUILT DWGS

NO.	DATE	REVISIONS
2	4-23-91	
1	1-16-91	LIMITED PILES KEY SYSTEMS

PARKING GARAGE
AT SERVICE LEVEL

APRIL 29, 1991
1/16" = 1'-0"
A-1A

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GEN. NOTES
1. FOR DOOR SCHEDULES SEE DWGS. A-211 & A-212
2. SEE WDW. ELEV. DWG. A-1
3. FOR FINISHES & INTERIOR DETAILS, SEE L.A.D.A.

LEGEND
- EXISTING EXIST. WALLS
- C.M.U. WALLS
- NEW PARTITIONS
- (105) DOOR NUMBER
- WINDOW NUMBER
- (4) KEYNOTE

BALLROOM STORAGE 110
BALL ROOM 116
PANTRY 119
FRONT OFFICE 122
EXISTING
EXISTING PLENUM
TYPE 'A' WALL TO BE ERECTED ABOVE TRACK FOR OPERABLE WALL WITH BLANKETS BETWEEN STUDS
EXISTING MECHANICAL
MEN 116
WOMEN 115
LOBBY 101
ASSEMBLY 104
FOYER 103
CORRIDOR 107
CORRIDOR 111
CORRIDOR 117A
CORRIDOR 118A
BAR 151
VESTIBULE 154
VESTIBULE 154A
VESTIBULE 159
VESTIBULE 159A
CORRIDOR 160
CORRIDOR 190
CORRIDOR 190A
CONCOURSE
EXISTING EXIT STAIR
EXIST. STAIR
NON STRUCTURAL CEILING
TRANSLUCENT SKYLIGHTS EL. 310'-0"
CEILING HEIGHT VARIES
SLOPE APPROX. 1" PER FOOT
EXIST. STREET
4" CONCRETE
WOOD FRAME
METAL TRIM TAPE & SPACKLE
G.W.B.
METAL STUDS
PLEXIGLASS WINDOW ¼" THICK
OPEN
G.W.B.
FINISH FLOOR
NOTE: SIDEWALK STOP LINES TO BE AS SHOWN IN PERMISSION TO EXCEED 8 FEET OF HIGHWAY, CURBS & SIDEWALKS, STANDARD DWG. LP #8-1011.

(A) SECTION
3/8"=1'-0"

ELEVATION - "B"
1/2"=1'-0"

DETAIL - 1
3"=1'-0"

FIRST FLOOR PLAN
EL 310'-0"

AS-BUILT DWGS

NO.	DATE	REVISIONS
17	1-16-81	WATCHMAN'S KEY STATION
16	8-5-80	BULLETIN # 6R
15	6-5-80	BULLETIN # 87
14	7-25-80	BULLETIN #86
13	5-30-80	BULLETIN #81
12	4-18-80	BULLETIN NO. 79
11	2-15-80	BULLETIN #80C
10	10-3-79	BULLETIN # 68
9	8-3-79	BULLETIN # 72
8	6-11-79	BULLETIN #50
7	3-12-79	ISSUED FOR CONSTRUCTION
6	1-5-79	ISSUED FOR PERMANENT POWER
5	11-6-78	C.M.U. WALLS REVISED
4	10-16-78	GENERAL REVISION
3	9-25-78	ISSUED FOR DOOR, FRAME & HARDWARE BIDDING SET
2	8-21-78	REVISED DOOR NUMBERING SYSTEM
1	8-4-78	ISSUED FOR OPTION SET WALL BIDDING ONLY
		ISSUED FOR STEEL PAN STAIR BIDDING ONLY

FIRST FLOOR PLAN

DATE 7-24-78
DRAWING NO. A-2
SCALE 1/8-1'0"
PROJECT NO.

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LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
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SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

GENERAL NOTES:

6 22ND FL PART PLAN STAIR #1
EL+547'-0"

7 PLAN AT ACCESS TO ROOF STAIR #1
EL+ 564'-9½"

8 ROOF PART PLAN STAIR #1
ROOF LANDING EL+571'-4½"

5 TRANSFER BETWEEN 21ST & 22ND FL
EL+551'-2½" STAIR #1

4 4TH THRU 21ST PART PLAN STAIR #1

9 3RD FL PART PLAN STAIR #1
EL+ 536'-0"

1 2ND FL PART PLAN STAIR #1
EL+ 522'-0"

A SECTION STAIR #1

14 22ND FL PART PLAN
EL+547'-0" STAIR #2

15 BALCONY PART PLAN
EL+550'-0" STAIR #2

16 ROOF PART PLAN
STAIR #2

12 4TH THRU 21ST FL PART PLAN
STAIR #2

13 TRANSFER BETWEEN 21ST & 22ND FL. STAIR #2

9 2ND FL PART PLAN STAIR #2
EL+522'-0"

10 3RD FL PART PLAN STAIR #2
EL+ 551'-0"

11 TRANSFER BETWEEN 3RD & 4TH FL
EL+ 560'-6" STAIR #2

B SECTION THRU STAIR #2

NO.	DATE	REVISIONS
6	4.27.79	BULLETIN # 47
7	8.3.79	BULLETIN # 42
8	9.27.79	BULLETIN #26
5	3-12-79	REVISED FOR CONSTRUCTION
4	1-15-79	REVISED PER OWNER'S REVIS.
3	11-29-78	REVISED PER OWNER'S REVIS.
2	10-11-78	GENERAL REVISION
1	8.21.78	ISSUED FOR PRELIMINARY COORDINATION

ISSUED FOR STEEL PAN STAIR FITTING ONLY

STAIRS 1&2
PLANS & SECTIONS

DATE 7-24-78
SCALE ⅛"=1'-0"
DRAWING NO. A-201
PROJECT NO. 1057

AS BUILT DWGS

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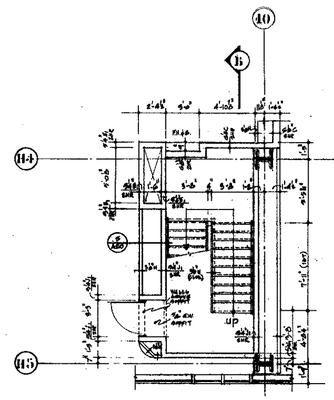
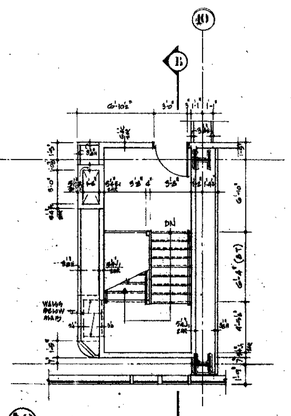
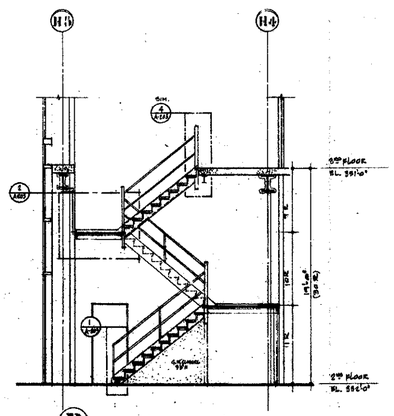


9 PLAN AT 2ND FLOOR

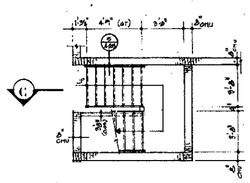


10 PLAN AT 5TH FLOOR

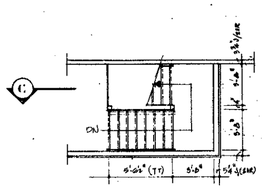
STAIR # 4
REF DWGS # A-4 & A-5



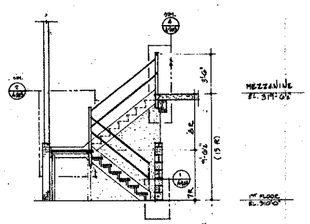
B SECTION



11 PLAN AT 1ST FLOOR

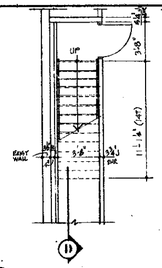


12 PLAN AT MEZZANINE

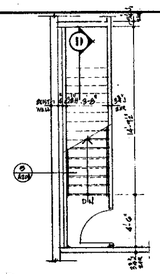


C SECTION

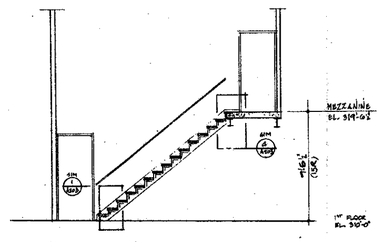
STAIR # 5
REF DWGS # A-4 & A-5



13 PLAN AT 1ST FLOOR

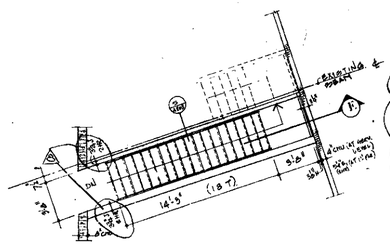


14 PLAN AT MEZZANINE

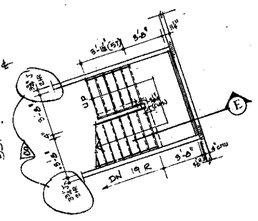


D SECTION

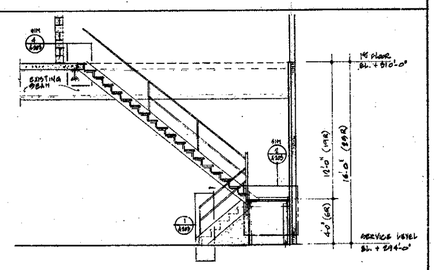
STAIR # 6
REF DWGS # A-4 & A-5



15 PLAN AT 1ST FLOOR

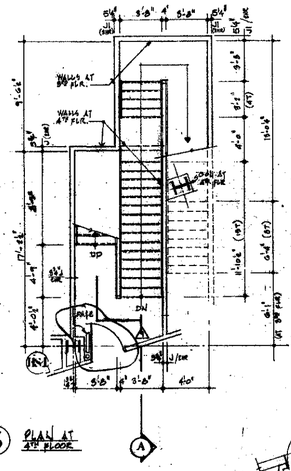


16 PLAN AT SERVICE LEVEL

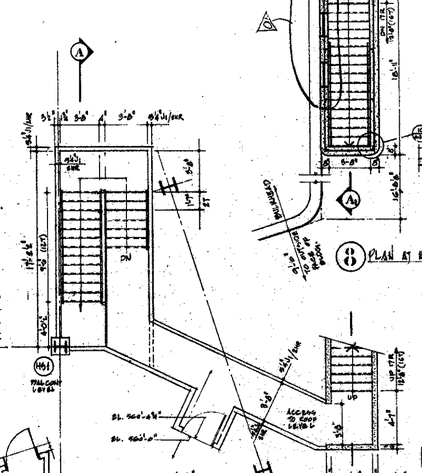


E SECTION

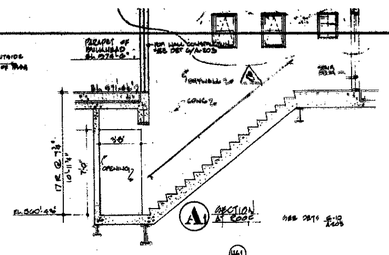
STAIR # 7
REF DWGS # A-1 & A-2



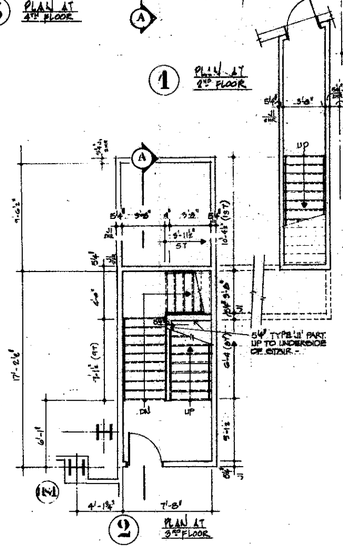
3 PLAN AT 4TH FLOOR



8 PLAN AT ROOF

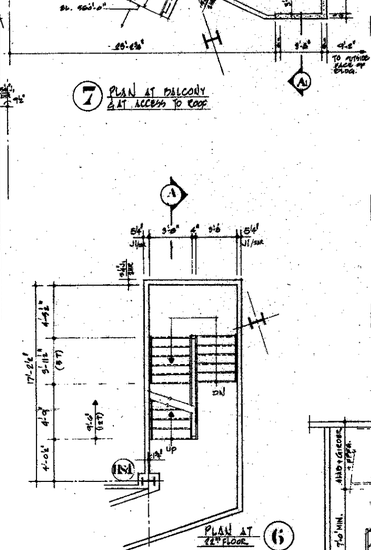


A SECTION AT ROOF



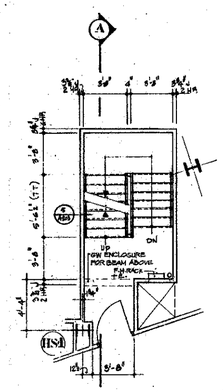
2 PLAN AT 3RD FLOOR

1 PLAN AT 2ND FLOOR

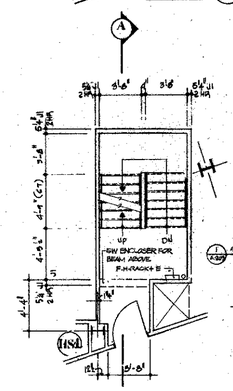


7 PLAN AT BALCONY & AT ACCESS TO ROOF

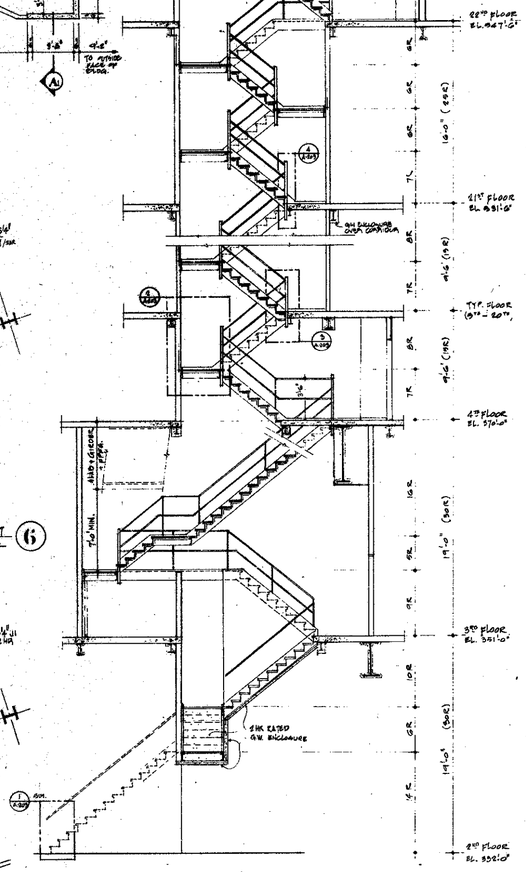
6 PLAN AT 42ND FLOOR



4 PLAN AT TYP FLR 5TH TO 40TH



5 PLAN AT 41ST FLOOR



A SECTION

STAIR # 3
REF DWGS # A-4 - A-10

WORLD TRADE CENTER HOTEL

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NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
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400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

GENERAL NOTES

NO.	DATE	REVISIONS
9	12-1-80	BULLETIN #9D
8	9-27-79	BULLETIN # 47
7	8-3-79	BULLETIN #45
6	7-2-79	BULLETIN #25
5	3-12-79	ISSUED FOR CONSTRUCTION
4	1-15-79	ISSUED FOR FIRE AUTHORITY REVIEW
3	11-29-78	STAIRS 3,4,5,6,7 AS NOTED ADDENDUM #3
2	10-11-78	GENERAL REVISION
1	8-21-78	ISSUED FOR MECHANICAL BIDDING ONLY

ISSUED FOR STEEL PAN STAIR BIDDING ONLY

STAIRS No. 3,4,5,6&7
PLANS & SECTIONS

DATE 7-26-78
SCALE 1/4"-1'-0"
DRAWING NO. A-202
PROJECT NO. 7687

ABBR. DWGS

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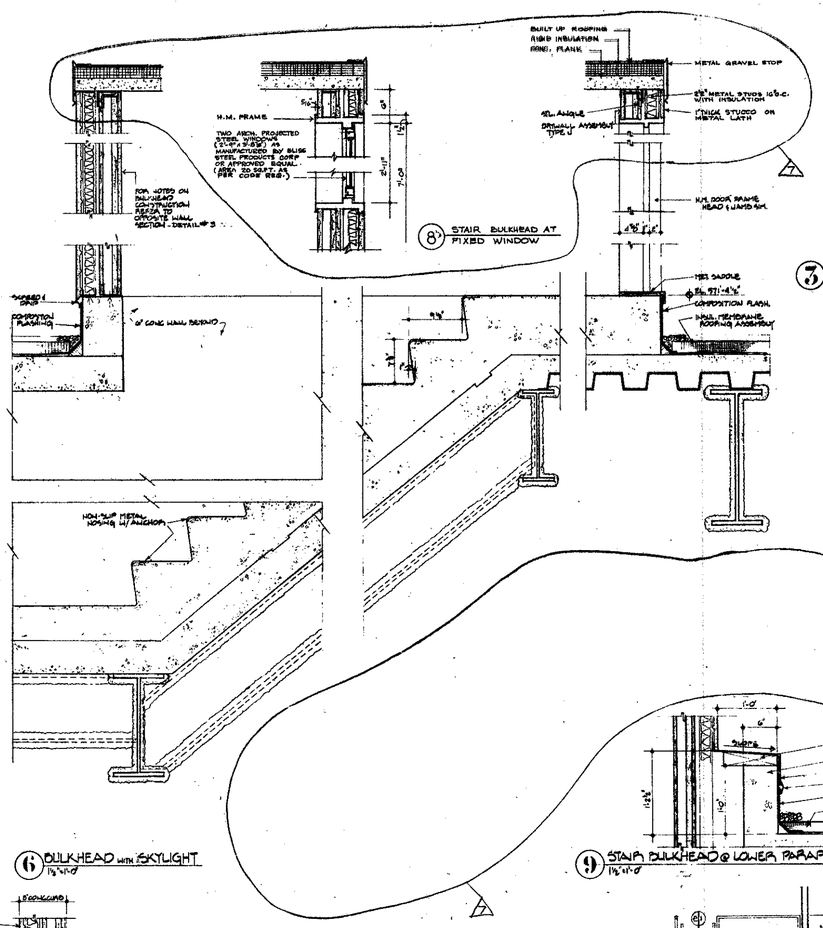
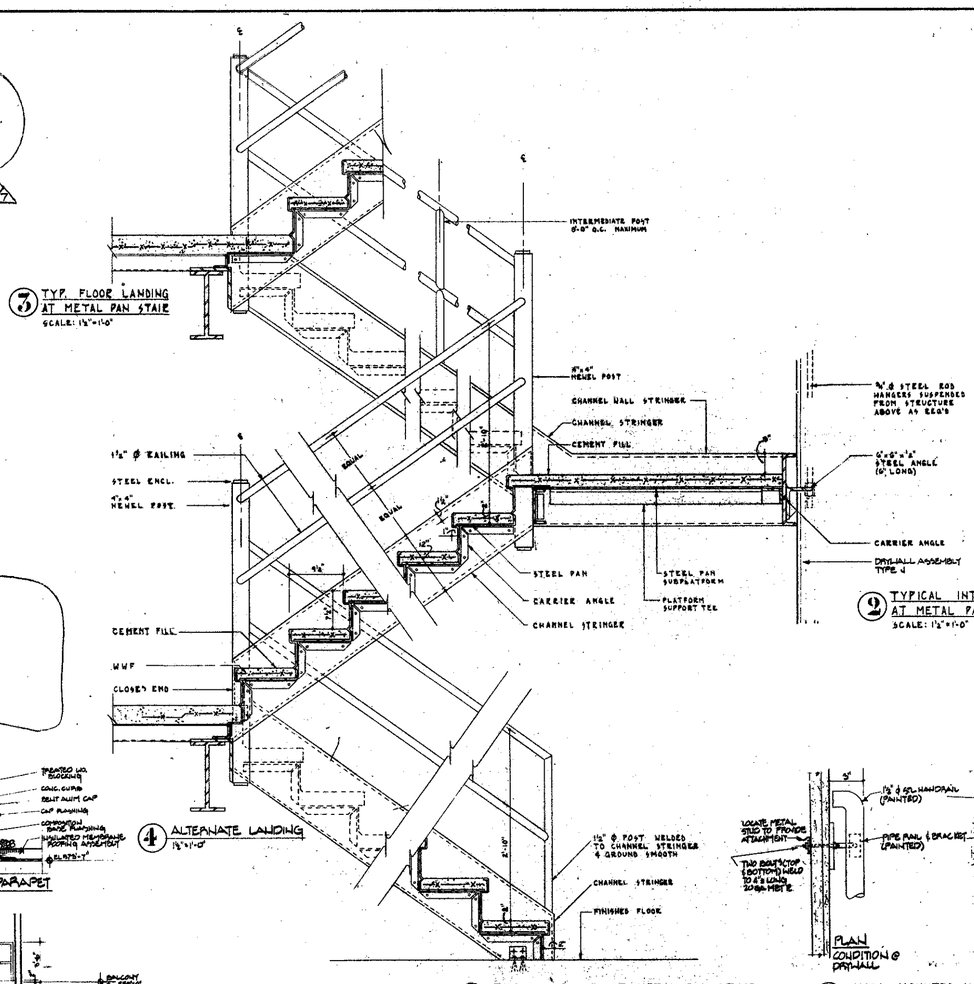
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



8 STAIR BULKHEAD AT FIXED WINDOW



3 TYP. FLOOR LANDING AT METAL PAN STAIR
SCALE: 1½"=1'-0"

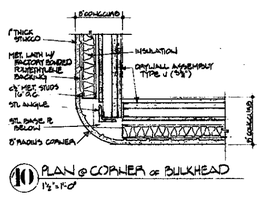
2 TYPICAL INTERMEDIATE LANDING AT METAL PAN STAIR
SCALE: 1½"=1'-0"

4 ALTERNATE LANDING
1½"=1'-0"

1 TYPICAL BASE AT METAL PAN STAIR
SCALE: 1½"=1'-0"

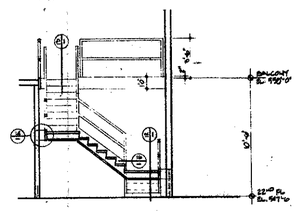
5 WALL MOUNTED HANDRAIL
SCALE: 3"=1'-0"

6 BULKHEAD with SKYLIGHT
1½"=1'-0"

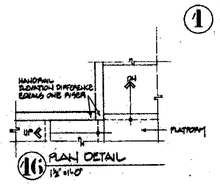


10 PLAN @ CORNER OF BULKHEAD
1½"=1'-0"

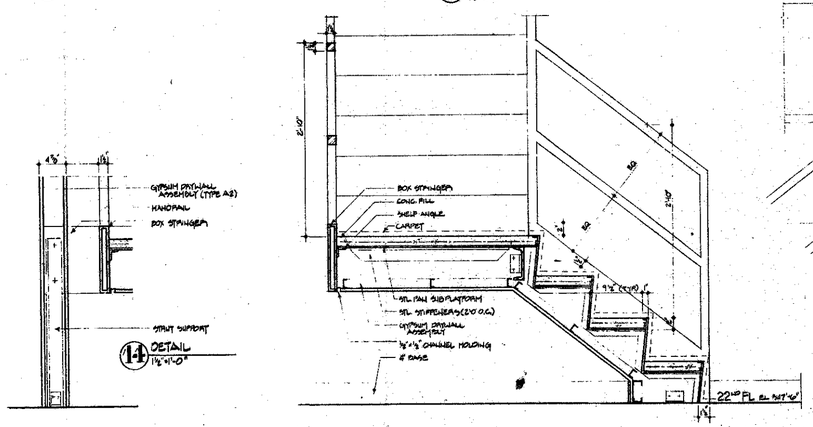
9 STAIR BULKHEAD @ LOWER PARAPET
1½"=1'-0"



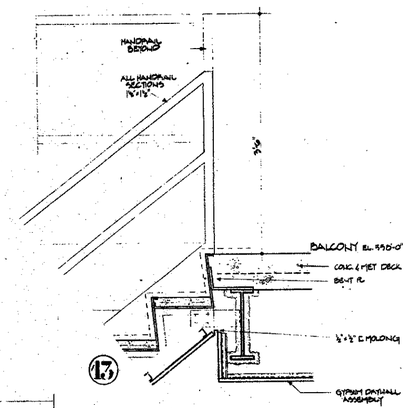
15 ELEV/SECTION
¼"=1'-0"



16 PLAN DETAIL
1½"=1'-0"



12 STAIR TO JOGGING TRACK
1½"=1'-0"



13

14 DETAIL
1½"=1'-0"

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MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

NO.	DATE	REVISIONS
7	7-27-78	BULLETIN # 47
6	5-2-79	BULLETIN #29
5	5-25-79	ISSUED FOR CONSTRUCTION
4	4-15-79	ISSUED FOR SUBSTANTIAL COMPLETION
3	10-27-78	GENERAL REVISIONS
2	9-29-78	INCLUDE DOOR FRAME & HARDWARE SHOP DRAWINGS
1	8-21-78	ISSUED FOR HOLIDAY SUBMISSION

ISSUED FOR STEEL PAN STAIR BIDDING ONLY

STAIR DETAILS

DATE 7-24-78
DRAWING NO. A-203
SCALE AS NOTED
PROJECT NO. 1467

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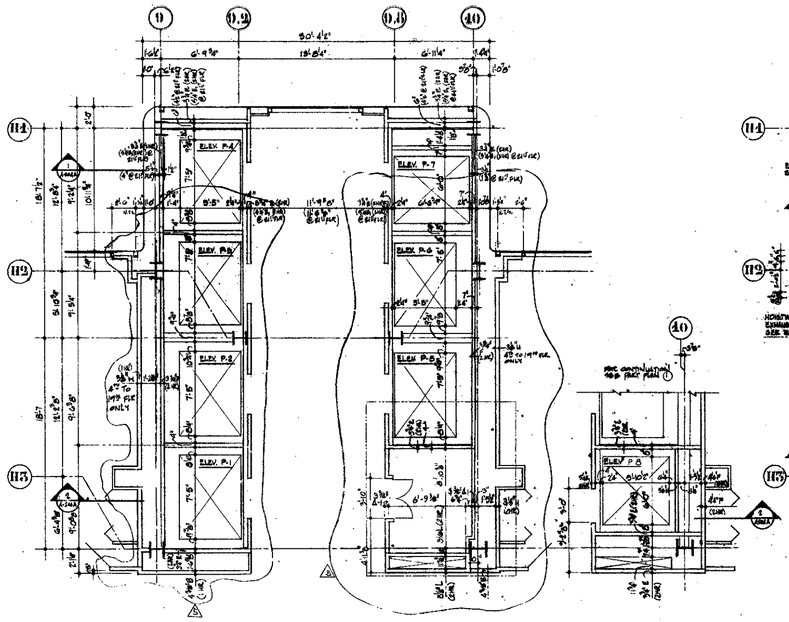
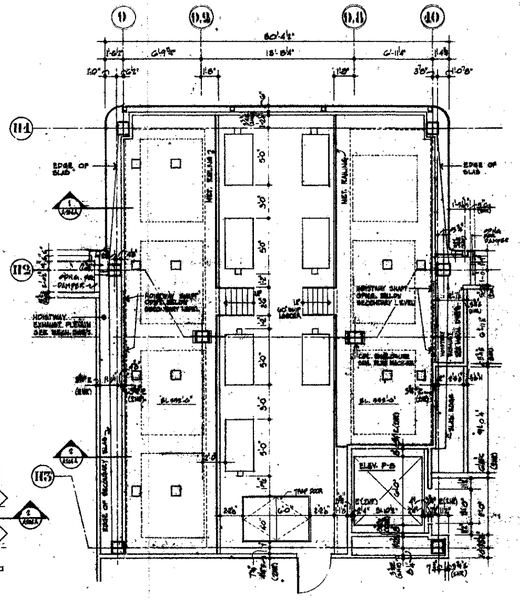
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

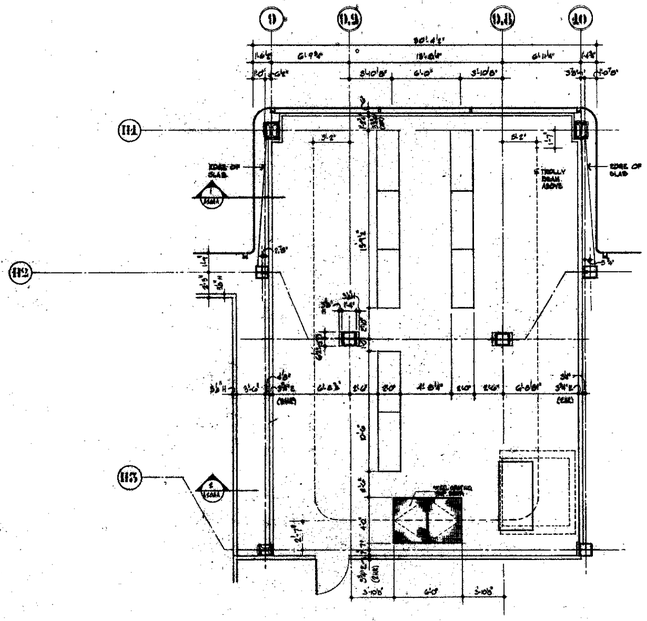


1 PART PLAN FLOORS 4-20

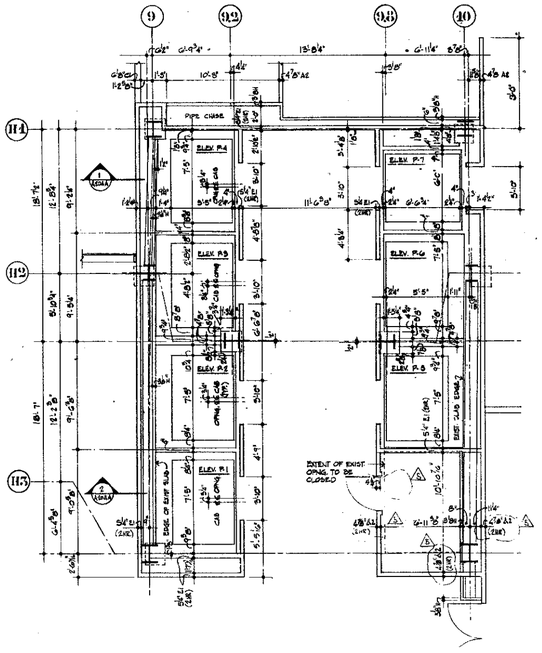
1A PART PLAN
21ST FLOOR



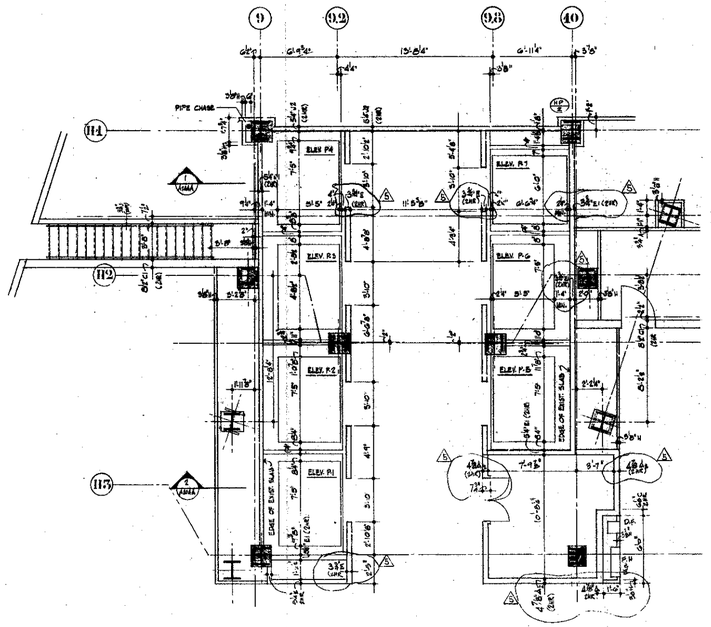
2 PART PLAN 22ND FLOOR, LOWER MACH. RM.
EL. + 547'-6"



3 PART PLAN 23 RD FLOOR, BALCONY
EL. + 560'-0"



4 PART PLAN 2ND FLOOR, PLAZA (3RD FLR. MECH. RM.)
EL. + 532'-0"



5 PART PLAN 1ST FLOOR, STREET
EL. + 510'-0"

WORLD TRADE CENTER HOTEL

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STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

NO.	DATE	REVISIONS
5		
4	5-2-79	REVISED PER ADD #25
3	3-12-79	ISSUED FOR CONSTRUCTION
2	1-19-79	REVISED FOR PORT AUTHORITY REVIEW
1	12-1-78	GENERAL REVISION
		ISSUED FOR DRY WALL SIDING ONLY.

PASSENGER ELEVATORS AND DETAILS

DATE 5-2-78
DRAWING NO. A-204
SCALE 1/8" = 1'-0"
PROJECT NO. 7827

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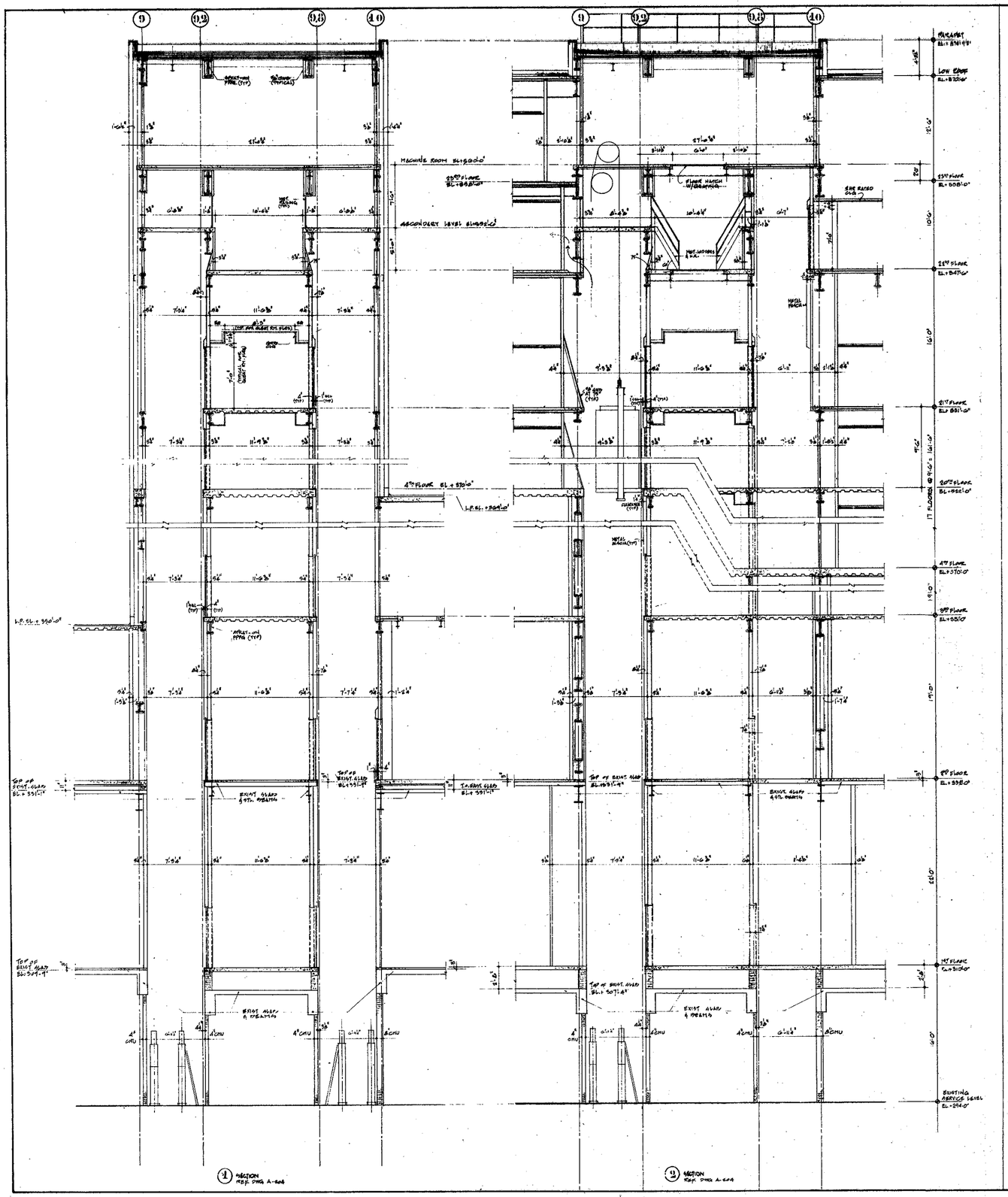
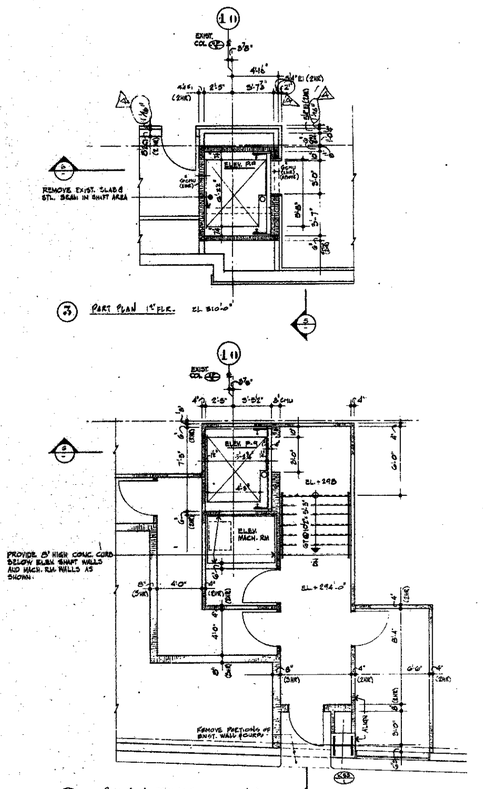
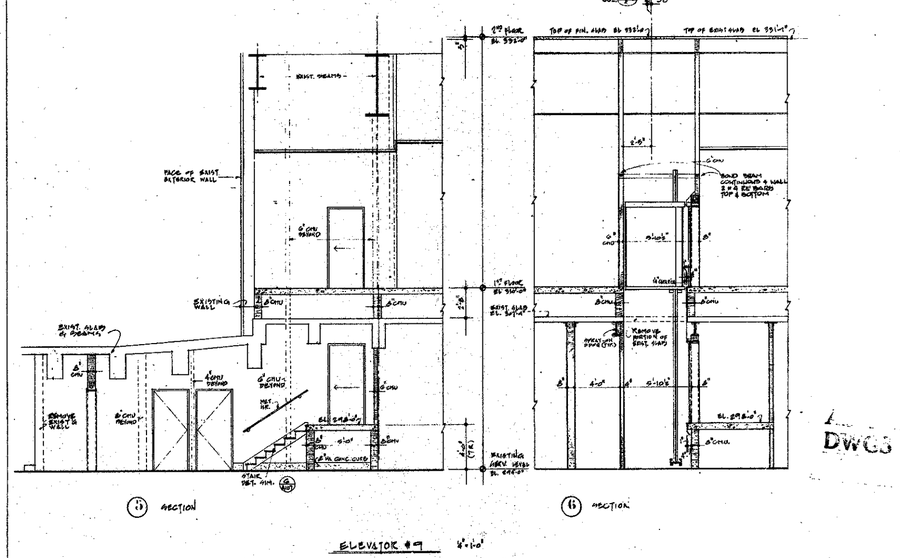
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017







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WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

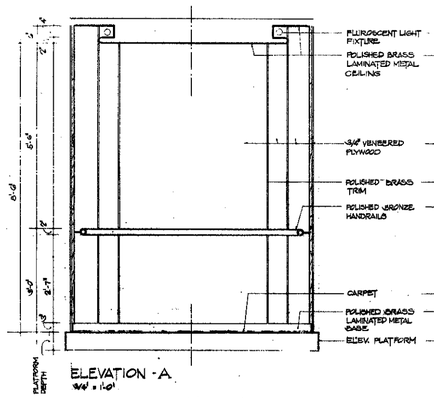
NO.	DATE	REVISIONS
4	4-13-79	BULLETIN NO 79
3	3-27-79	BULLETIN NO 56
2	3-2-79	REVISED PER COMMENTS
1	2-5-79	REVISED PER COMMENTS
	1-15-79	ISSUED FOR PERMIT AND BIDDING

DWGS

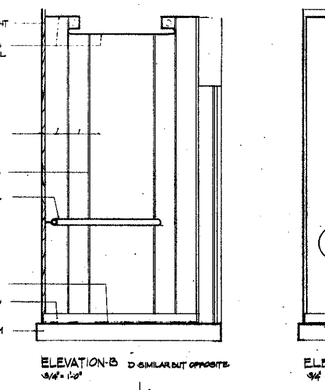
PASSENGER ELEVATOR SECTIONS GARAGE ELEVATOR PLANS & SECTIONS

DATE 1-15-79
SCALE 1/8"=1'-0"
DRAWING NO. A-204A
PROJECT NO. 1007

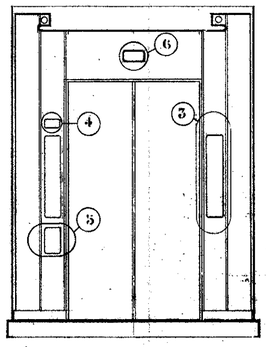
RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



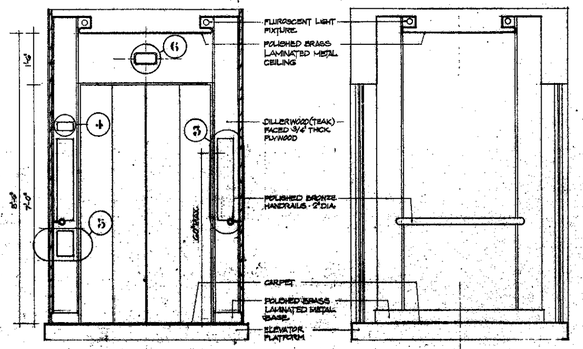
ELEVATION - A
3/4" = 1'-0"



ELEVATION - B (SIMILAR BUT OPPOSITE)
3/4" = 1'-0"

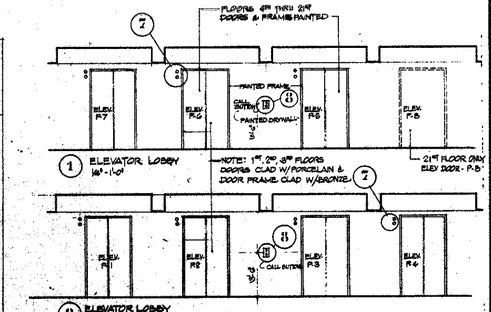


ELEVATION - C
3/4" = 1'-0"



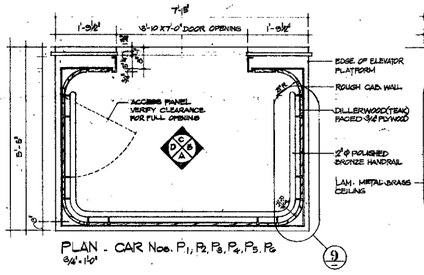
ELEVATION A & C
3/4" = 1'-0"

ELEVATION B & D
3/4" = 1'-0"

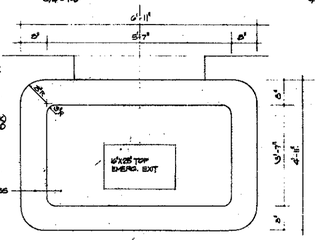


1 ELEVATOR LOBBY
1/4" = 1'-0"

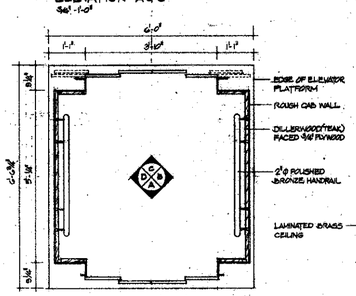
2 ELEVATOR LOBBY
1/4" = 1'-0"



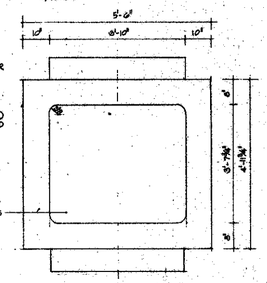
PLAN - CAR Nos. P1, P2, P3, P4, P5, P6
3/4" = 1'-0"



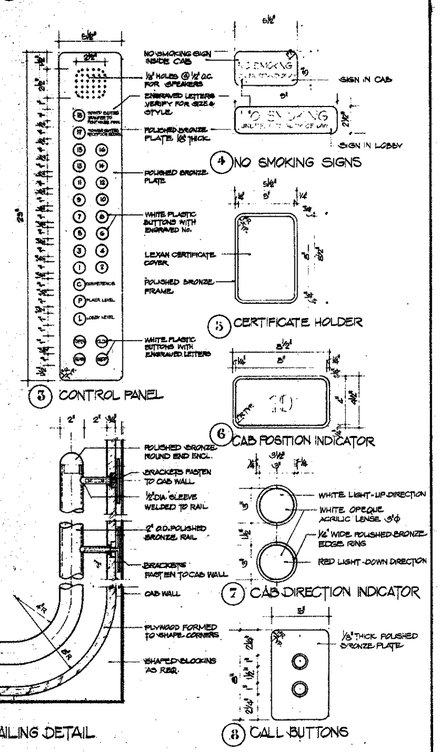
REFLECTED CEILING PLAN
3/4" = 1'-0" CAR Nos. P1, P2, P3, P4, P5, P6

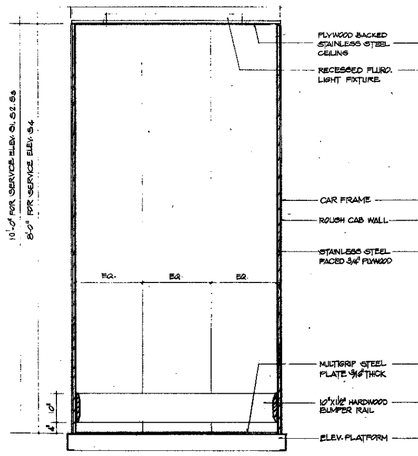


PLAN - CAR No. P7
3/4" = 1'-0"

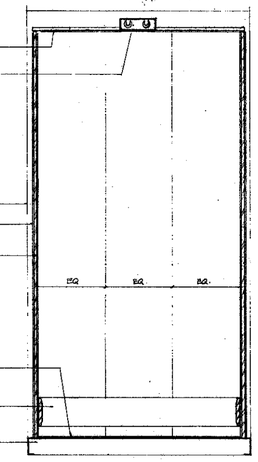


REFLECTED CEILING PLAN
CAR No. P7
3/4" = 1'-0"

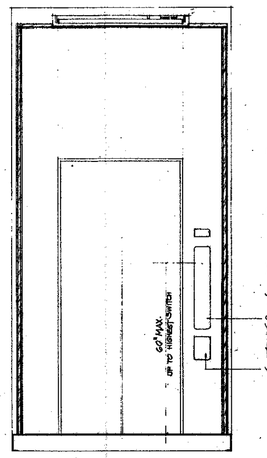




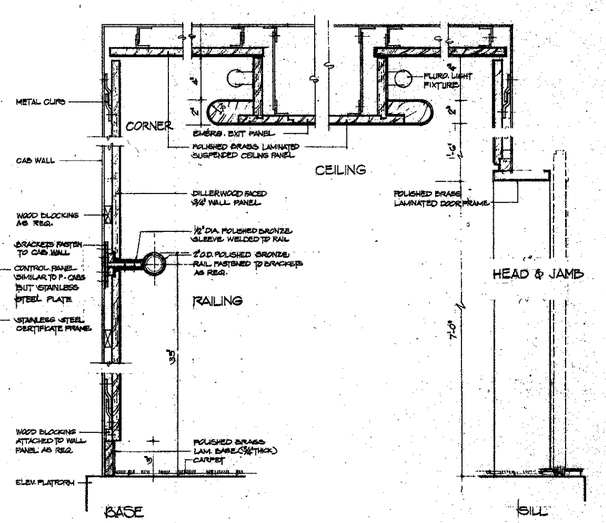
ELEVATION - C SCALE - 3/4" = 1'-0"

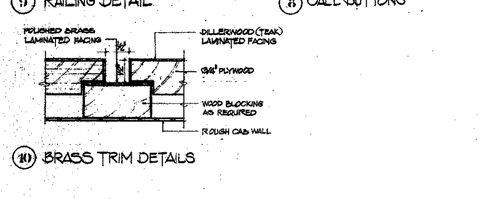


ELEVATION - B & D
3/4" = 1'-0"



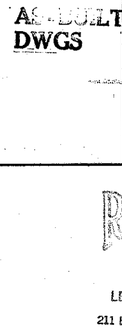
ELEVATION - A
3/4" = 1'-0"

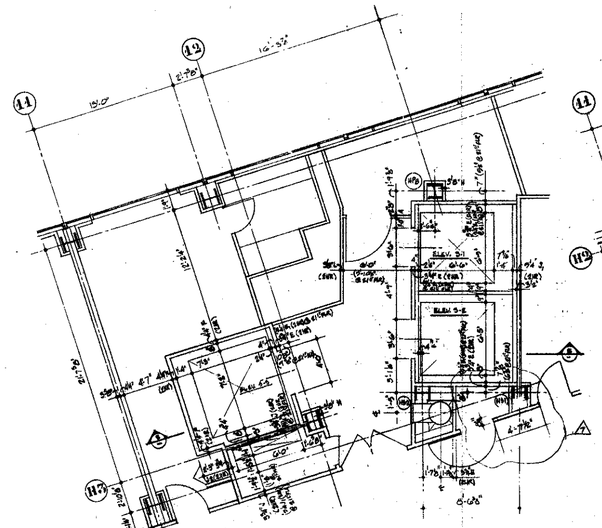




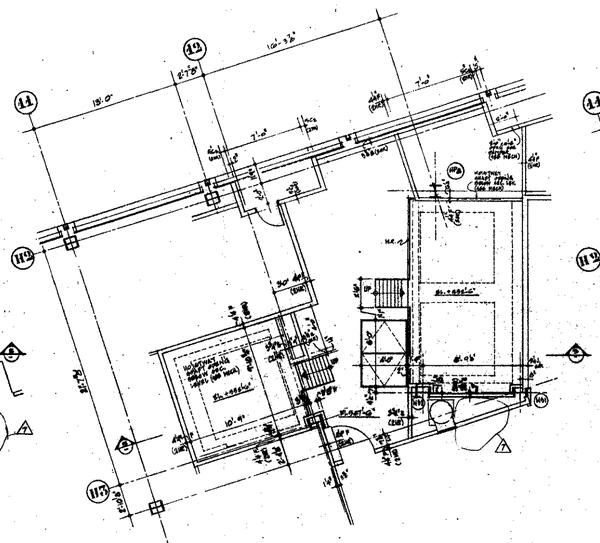
10 BRASS TRIM DETAILS



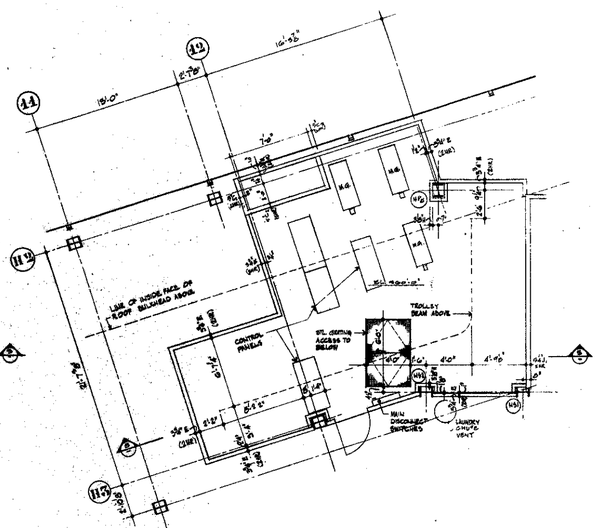

5'-0"
2'-0"
2'-0"
2



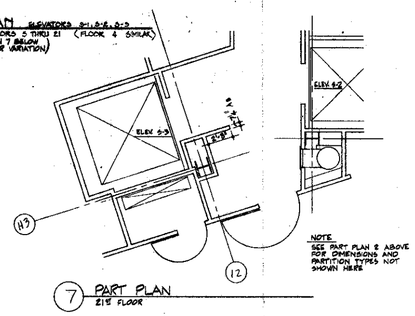
2 PART PLAN ELEVATORS 5-1, 5-2, 5-3
TYPICAL - FLOORS 5 THRU 21 (FLOOR 6 SIMILAR)
SEE PART PLAN 7 BELOW FOR 21ST FLOOR VARIATION



3 PART PLAN ELEVATORS 5-1, 5-2, 5-3
FLOOR 22 & SECONDARY LEVEL

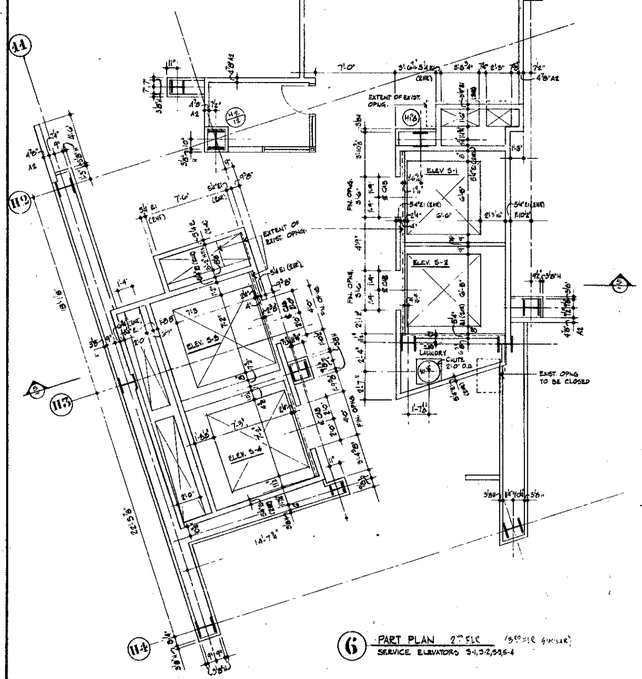


4 PART PLAN ELEVATORS 5-1, 5-2, 5-3
MACHINE LEVEL

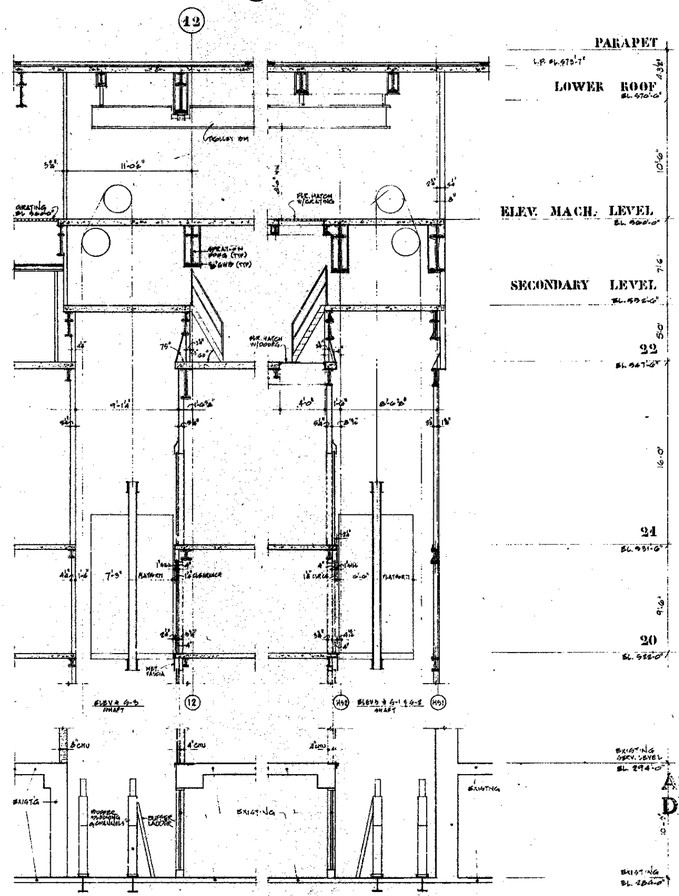


NOTE
SEE PART PLAN 8 ABOVE FOR DIMENSIONS AND PARTITION TYPES NOT SHOWN HERE

7 PART PLAN
21ST FLOOR



6 PART PLAN 2ND FLR (6TH FLR SIMILAR)
SERVICE ELEVATORS 5-1, 5-2, 5-3, 5-4



5 SECTION
ELEVATOR GROUP 5-1, 5-2, 5-3

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STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

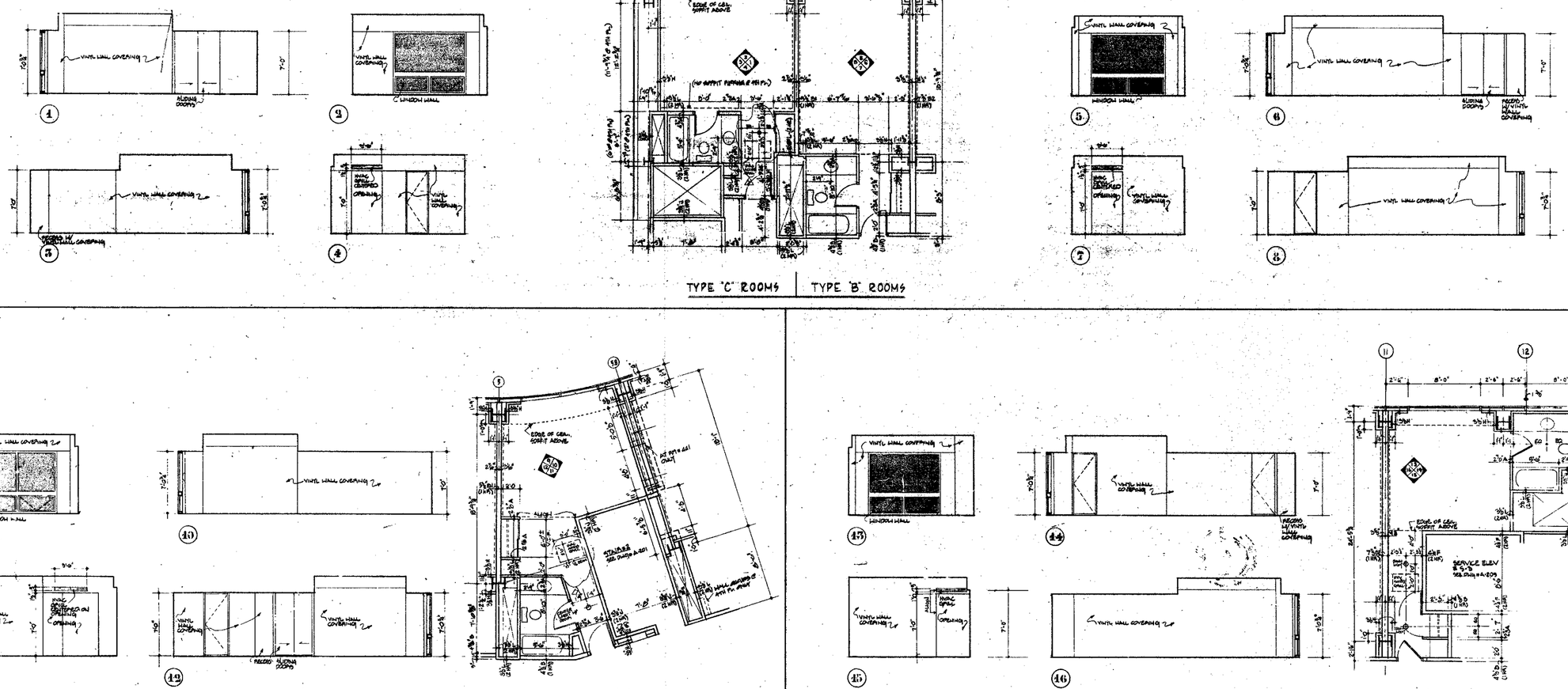
NO.	DATE	REVISIONS
7	8-3-79	BULLETIN #42
6	6-21-79	BULLETIN #34
5	6-11-79	BULLETIN #30
4	5-2-79	BULLETIN #25
3	3-16-79	ISSUED FOR CONSTRUCTION
2	11-3-78	ISSUED FOR PORT AUTHORITY REVIEW
1	2-1-78	GENERAL REVISION

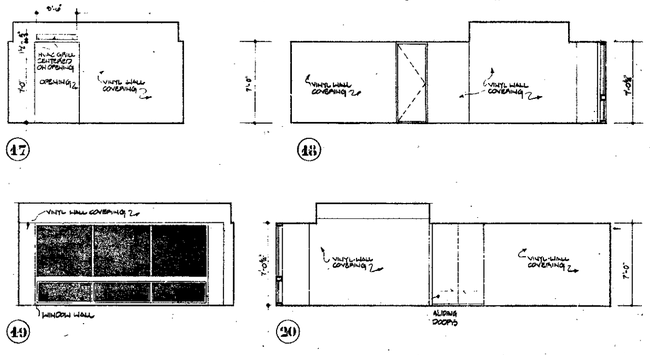
ISSUED FOR DRY WALL BID NO PRINT

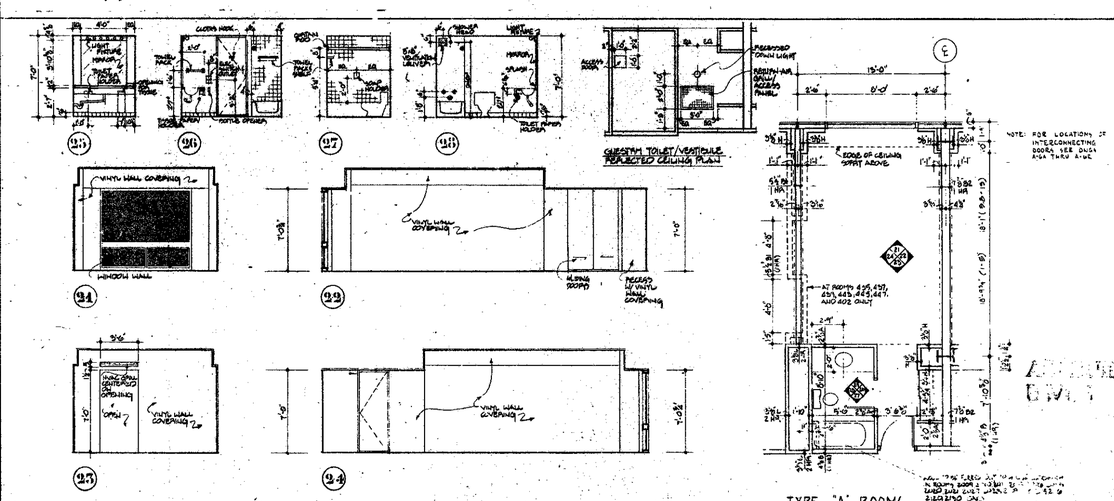
SERVICE ELEVATORS

DATE 8-2-78
SCALE 1/4"=1'-0"
DRAWING NO. A-205
PROJECT NO. 1407

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017







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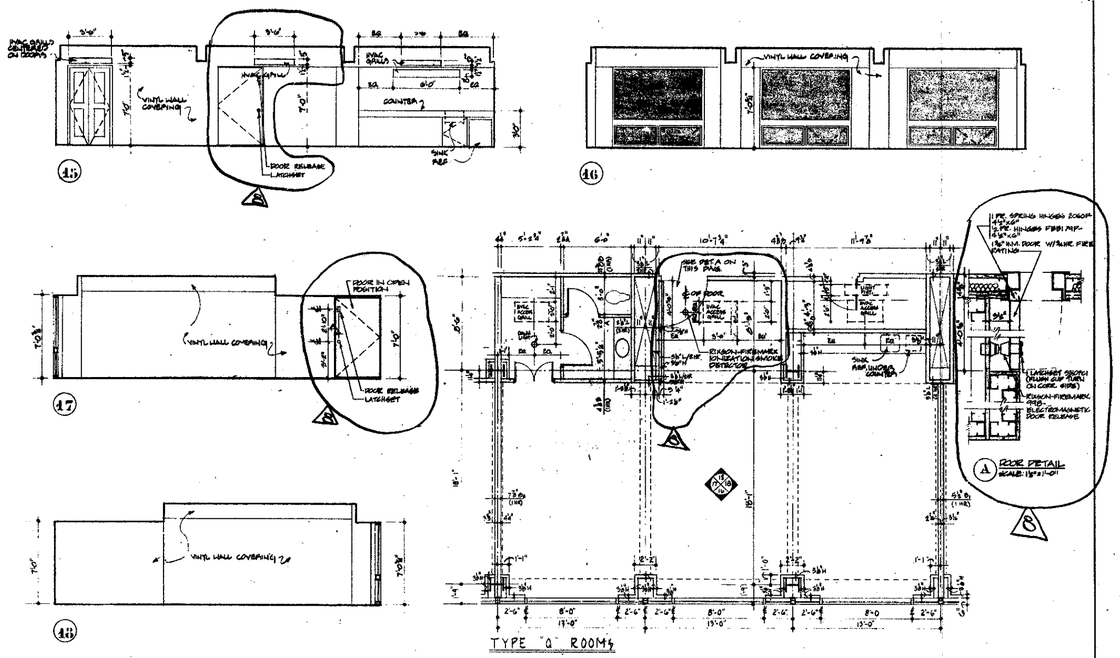
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

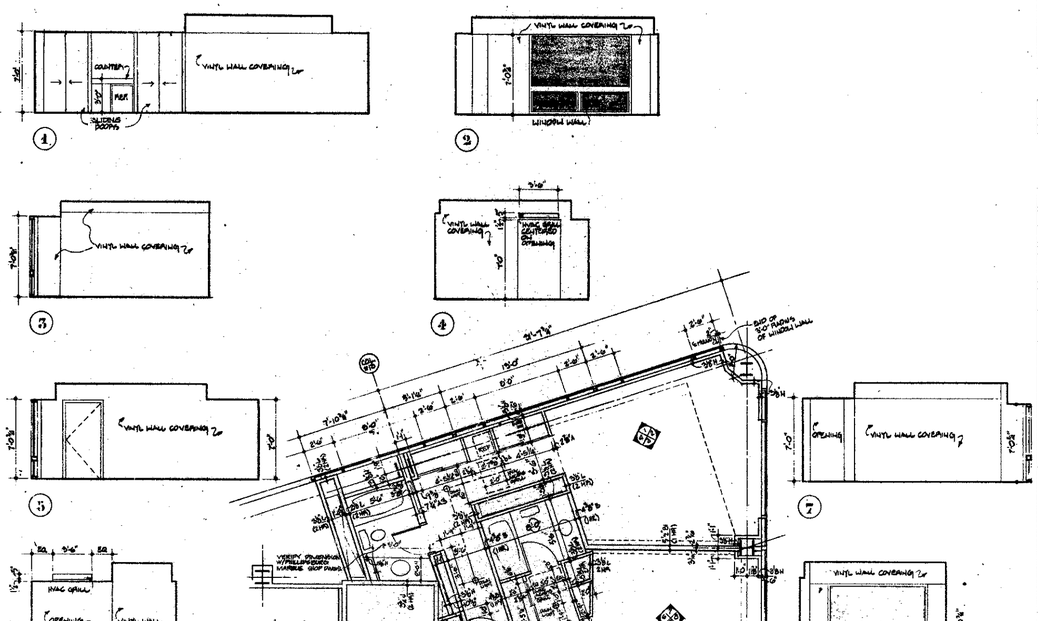
NO.	DATE	REVISIONS
7	4-15-92	REVISED PER ADD #7
6	1-13-92	REVISED PER ADD #6
5	12-13-91	REVISED PER ADD #5
4	8-30-91	REVISED PER ADD #4
3		
2		
1	1-15-91	REVISED PER ADD #1

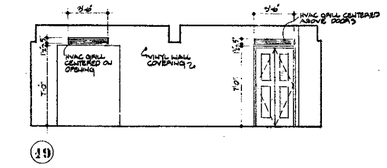
ENLARGED GUEST ROOM PLANS & ELEVATIONS

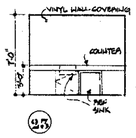
DATE 12-15-89 DRAWING NO. A 206
SCALE 1/4" = 1'-0" PROJECT NO. 88

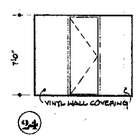
RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

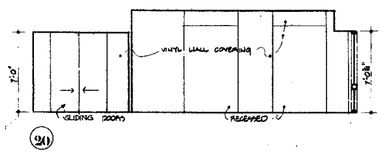


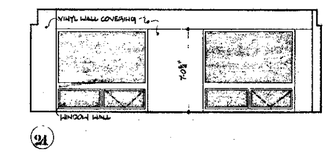


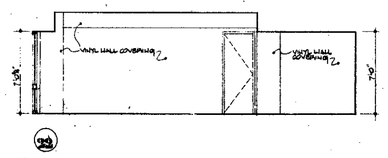


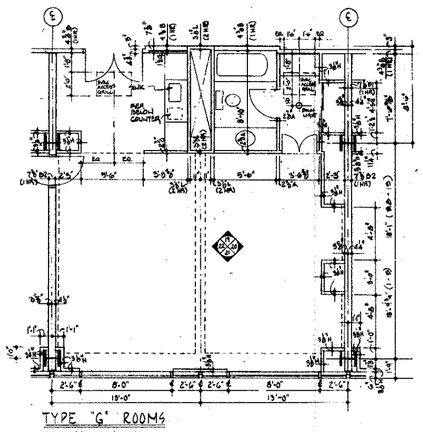


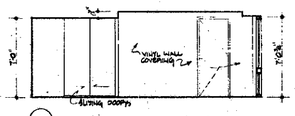


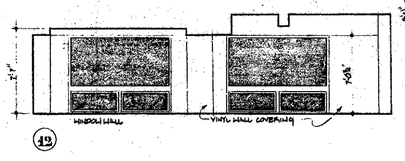


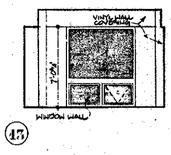


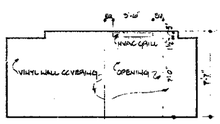












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STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

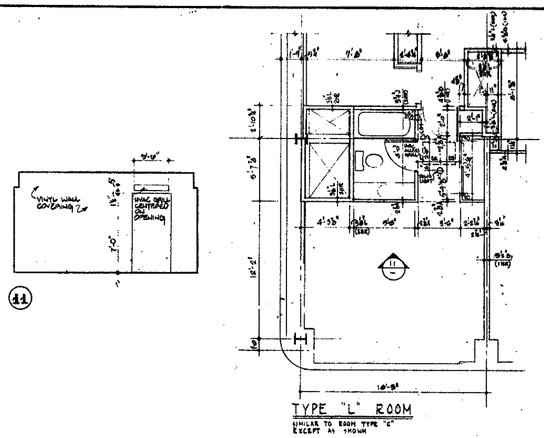
NO	DATE	REVISIONS
8	10/80	BULLETIN # 93
7	7-1-80	BULLETIN #84
6	4-1980	BULLETIN # 79
5	1-21-80	BULLETIN # 65
4	8-8-79	BULLETIN #42
3	6-27-79	BULLETIN NO 36
2	3-28-79	MINOR S.W. CONSTRUCTION
1	1-15-79	ISSUED FOR PORT AUTHORITY REVIEW
		ISSUED FOR GYPSUM DRY WALL SIDING

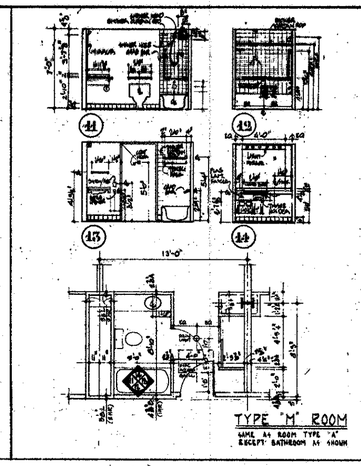
ENLARGED GUEST ROOM PLANS & ELEVATIONS

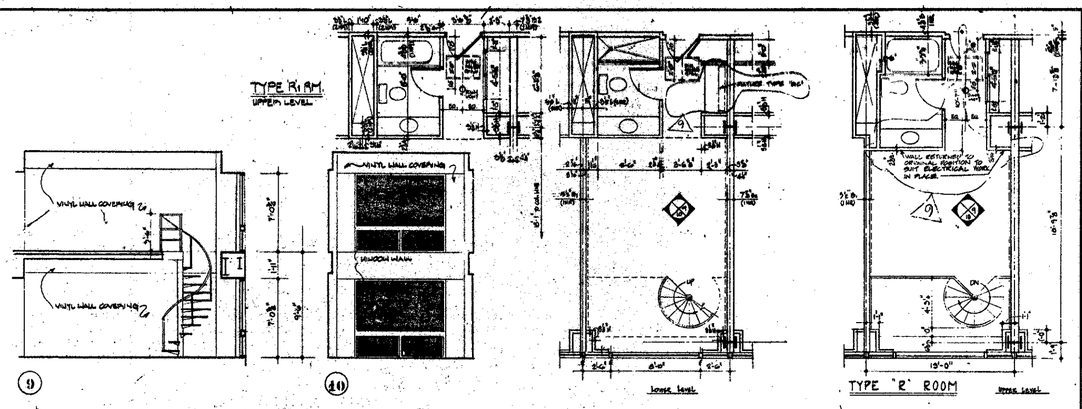
DATE 8-2-77
SCALE 1/4"-1'-0"
DRAWING NO. A-207
PROJECT NO. 1487

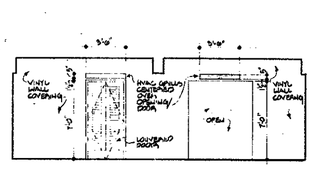
RECEIVED
NOV 19 1992

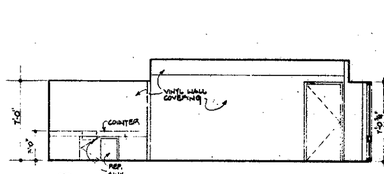
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

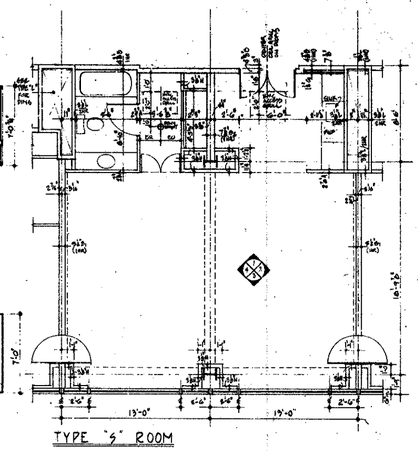


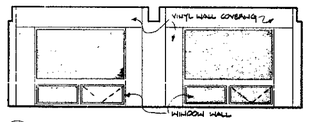


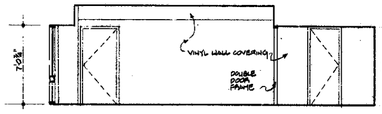


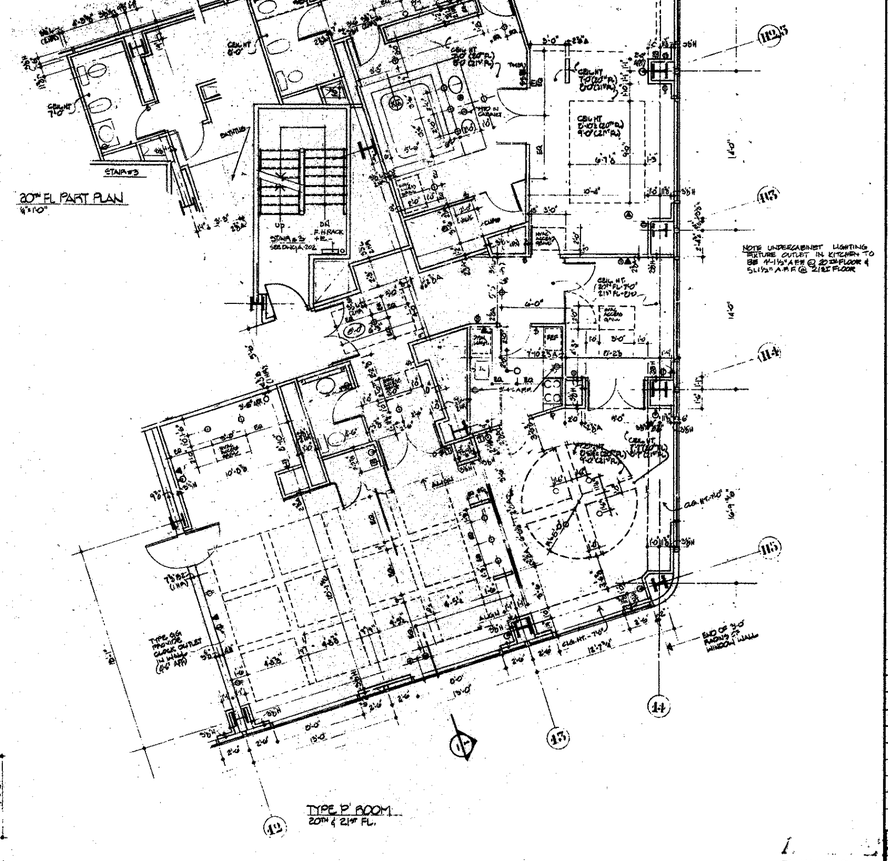


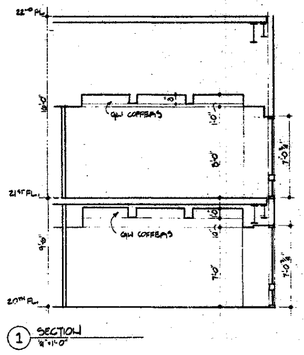












WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

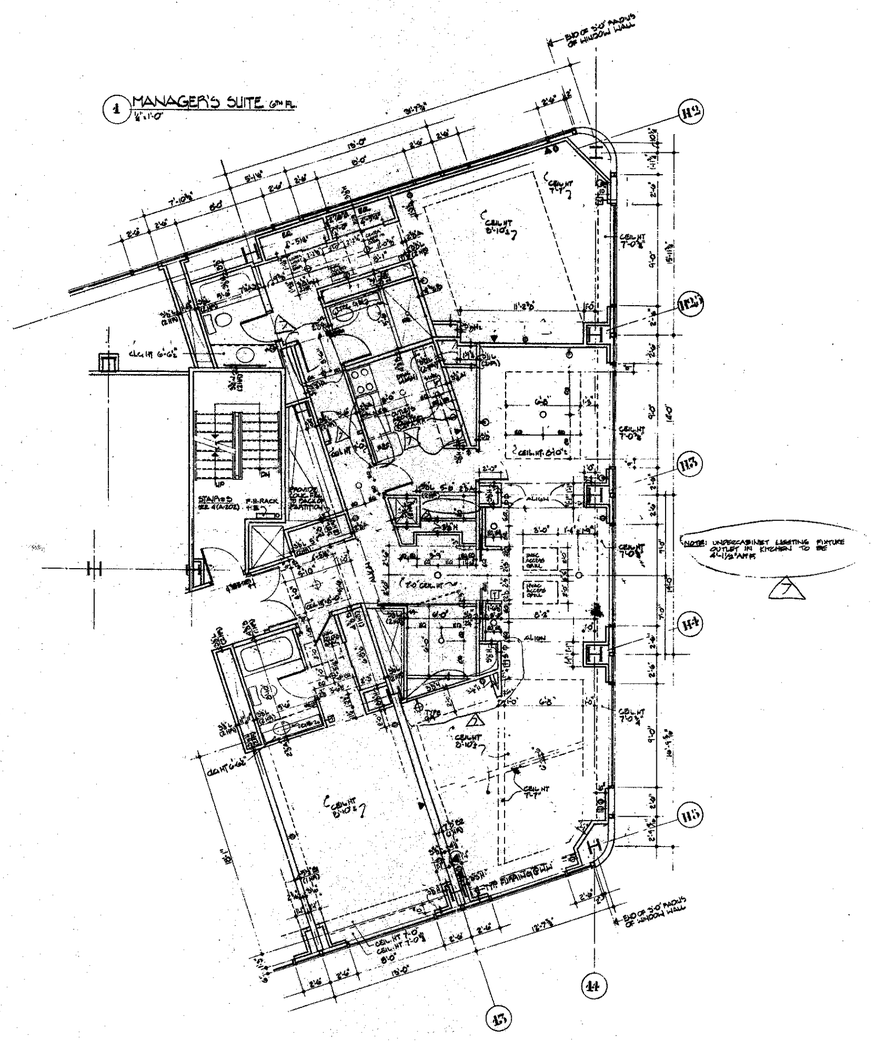
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

NO.	DATE	REVISIONS
9	7-11-	BULLETIN #84
8	4-18-80	BULLETIN #79
7	1-23-80	BULLETIN #75
6	2-8-79	BULLETIN #73
5	10-3-79	BULLETIN #71
4	8-3-79	BULLETIN #62
3	6-29-79	BULLETIN #54
2	5-2-79	ISSUED FOR [illegible]
1	-15-79	[illegible]

ENLARGED GUEST ROOM PLANS & ELEVATIONS

DATE 6-8-78
DRAWING NO. A-208
SCALE 1/4"-1'-0"
PROJECT NO. 1407

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017



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200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

NO	DATE	REVISIONS
7	4-18-79	BULLETIN #79
6	1-12-79	BULLETIN #60
5	1-5-79	BULLETIN #50
4	5-8-78	BULLETIN #42
3	5-4-78	BULLETIN #34
2		
1		

ENLARGED GUEST ROOMS & ELEVATIONS

DATE 1-12-79
SCALE 1/4"=1'-0"
DRAWING NO. A-209
PROJECT NO. 1482

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

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WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

General Notes -

1. MAIN CONSTRUCTION PLENUM & RETURN DUCTS - NON-RATED
2. ALL SEWER & BOTTOM OPENING TYPE PIPE TO BE CAST IRON

3. VAT FLOORING SHALL BE VAT-01 (12"x12") VAT-02 (12"x24")
4. VINYL BASES SHALL BE: VB-1 (SPECIAL) VB-02 (STANDARD)

7	2-25-81 REVISED FOR VAT FLOORING & VB BASE
6	4-1980 BULLETIN #79
5	5-7-80 BULLETIN #72
4	6-24-79 BULLETIN NO 54
3	9-2-79 BULLETIN #29
2	3-19-79 GENERAL REVISIONS ISSUED FOR CONSTRUCTION
1	1-15-79 ISSUED FOR ARCHITECTS REVIEW

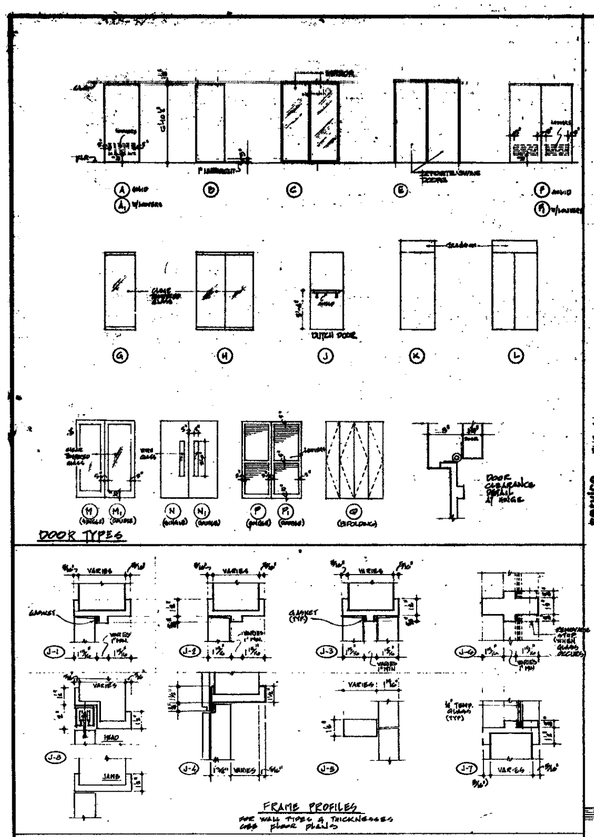
ISSUED FOR ASPHALT DET WALL FLOOR IN G. SHEET

DWGS.

FINISH SCHEDULE

DATE 8-2-78
SCALE
DRAWING NO A-210
PROJECT

RECEIVED
NOV 19 1982
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



DOOR NO	DOOR MAT	DOOR TYPE	DOOR THK	OPENING WIDTH	OPENING HEIGHT	FRAME MAT	FRAME TYPE	FRAME RABBET	SMS	SMS U.L.	ASC	HDWD SET NO.	REMARKS
service DWG A1													
6-1	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	6	J-5	6-10	½	93	
	B	H.M.	F	1¾"	3'-0"	7'-0"	H.M.	8	J-5	—	½	93	
6-2	A	H.M.	F	1¾"	3'-0"	7'-0"	H.M.	8	J-1	6-7	½	68A	
6-3	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	-	17	
6-4	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	½	97	
6-5	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-7	-	68A	
6-6	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	-	97	
6-7	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	½	19	
6-8	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	½	19A	
6-8A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	½	19A	
6-9	A	H.M.	F	1¾"	3'-0"	7'-0"	H.M.	8	J-5	—	½	20	
6-10	A	H.M.	F	1¾"	3'-0"	7'-0"	H.M.	8	J-5	6-8,8½	½	20	
6-11	A	*			3'-0"	7'-0"							* 16 WIDE MEDIUM PARTITION
6-12, 6-16	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	7B	J-5,6	—	½	96	
6-40	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-9	½	13	
6-41B, 6-42A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-8	½	19A	
6-42A, 6-42A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	—	½	19	
6-51, 6-54	A	H.M.	A	1¾"	2'-0"	7'-0"	H.M.	1	J-5,6	6-9	-	13	
6-53, 6-54	A	H.M.	A	1¾"	2'-0"	7'-0"	H.M.	1	J-5,6	6-9	-	19A	
6-55, 6-55, 6-57	A	H.M.	A	1¾"	2'-0"	7'-0"	H.M.	1	J-5	6-9	-	17	
6-56	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-6	½	34	
	D	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-6	½	5	
6-67, 6-68	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-9	-	66	ELECTRICALLY OPERATED
6-69, 6-69	A	H.M.	A'	1¾"	2'-0"	7'-0"	H.M.	1	J-6	6-9	-	17	* 6-9 & 6-38
6-38, 6-38													
6-91	A	H.M.	A	1¾"	2'-8½"	7'-0"	H.M.	1	J-5	6-8	-	87	
6-51A	A,B,C	H.M.	M	1¾"	3'-0"	7'-0"	H.M.	2	J-5,6	6-8	-	67	
6-56, 6-56	A	H.M.	A	1¾"	2'-0"	7'-0"	H.M.	1	J-5	6-6A	-	5	6-7 & 9-36
6-59	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	8	J-5	—	½	20	
6-60	B	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-6A	-	19C	
6-61	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-7	-	17A	
6-62	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-9	-	17A	
6-63	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	½	17	
6-63	D	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-1	6-6A	½	19C	
6-64A	A	H.M.	A*	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-7	-	19C	* 60 ø louvers
6-64C	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-7	-	19A	* 40 ø louvers
6-64B	A	H.M.	A*	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-7	-	B	* 40 ø louvers
6-69	A, B	H.M.	A	1¾"	2'-0"	7'-0"	H.M.	1	J-2	6-7	½	89	
6-90	A	H.M.	F	1¾"	3'-0"	7'-0"	H.M.	8	J-5	6-9	½	20	
6-58	B	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-7	-	68	
6-60A	A	H.M.	A*	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	-	B	* 40 ø louvers
6-66	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	8	J-5	—	½	20	
6-55, 6-56	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-7	-	17	
6-64	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5	6-7	-	17	
6-65	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-7	-	17	
6-67	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-5,6	6-7	-	17	
6-89	A	HM	F	1¾"	6'-0"	7'-0"	HM	8	J-2	3-6A	½	89	
6-89A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-6A		8	
	B	HM	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	6-6A		8	
6-60	A	HM	A*	1¾"	3'-0"	7'-0"	HM	1	J-2	6-6A		17A	* 40 ø louvers
6-61	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	6-9		19C	
6-62	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	6-9		20	
6-63	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	6-9		19	
6-64	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	6-7	½	37	
6-65	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2,6	6-7	-	17	
6-66	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	6-7	½	17	
6-67, 6-69	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	—		16	
6-68	A	HM	A	1¾"	3'-0"	7'-0"	HM	1	J-2	—		16	
6-70	A	HM	F	1¾"	6'-0"	7'-0"	HM	8	J-2	—	SPEC	91	

DOOR NO	DOOR MAT	DOOR TYPE	DOOR THK	OPENING WIDTH	OPENING HEIGHT	FRAME MAT	FRAME TYPE	FRAME RABBET	SMS	SMS U.L.	ASC	HDWD SET NO.	REMARKS
mezzanine DWG A2													
H-1, H-A	A	H.M.	A, E	1¾"	3'-0"	6'-0½"	H.M.	1	J-4	6-7	-	13	* 16 3 LOUVERS
H-2, H-B	A	H.M.	A, E	1¾"	3'-0"	6'-0½"	H.M.	1	J-4	6-7	-	13	* 16 3 LOUVERS
H-6, H-7, H-10, H-11	A	H.M.	A	1¾"	3'-0"	6'-0½"	H.M.	1	J-4	6-8	-	19	1" UNDERCUT
H-14	A	H.M.	F	1¾"	6'-0"	6'-0½"	H.M.	D	J-2	6-10	½ MTL	20	
	B				3'-0"	6'-0½"				6-7			SEE DET. A-5
	C	H.M.	A	1¾"	3'-0"	6'-0½"	H.M.	4	J-1	6-10	½ MTL	60	4
H-15	A	H.M.	A, E	1¾"	3'-0"	6'-0½"	H.M.	1	J-2	6-7	½ MTL	-	8
H-16	A	H.M.	A	1¾"	3'-0"	6'-0½"	H.M.	1	J-2	6-8	½ MTL	-	5
service (cont.) DWG A1													
6-71, 6-73, 6-75	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	8	J-2	—		20	
6-74, 6-18A	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	6	J-2	—	½ MTL	20	
6-76 (NO LOCK)	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	8	J-2	6-10	½ MTL	20	
6-79	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	—	½ MTL	33	
6-76	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	4-7	½ MTL	33	
6-77A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	—	½ MTL	3	
6-101-B	A	H.M.	A	1¾"	3'-0"	6'-0"	H.M.	9	J-2	6-6C		37	
6-85	A	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	6	J-2	6-10	½ MTL	32	
	B	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	6	J-2	6-10	½ MTL	32	
6-87, 6-88	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	—	SPEC	20	CON ED OFFICE
6-88	B	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	—	SPEC	20	" " "
6-83, 6-84, 6-85	A	H.M.	F	1¾"	6'-0"	6'-0"	H.M.	6	J-2	6-10	½ MTL	32	
6-86													
6-69A	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	1	J-2	—	½ MTL	13	
6-91, 6-90	A	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	9	J-2	6-9	½ MTL	37	6" CLEAR CON ED OFFICE
C-50 C&D	H.M.	F	1¾"	6'-0"	7'-0"	H.M.	2	J-6	6-7			J-6 WIDE STEEL C&D	
205 *	A	WD	L	1¾"	6'-0"	2'-0"	H.M.	4	J-2	6-1	½ MTL	60	* WITH TELESCOPIC ASHCAN DOOR TO CAN
	B	H.M.	A	1¾"	3'-0"	THICK	H.M.	1	J-2				
	C	H.M.	A	1¾"	3'-0"	THICK	H.M.	1	J-6			330	
206A													
206B	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	X		98	*
206, 206A	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2,6	X	-	17A	*
207	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	X	-	17A	*
225	A	H.M.	E	1¾"	6'-0"	6'-10½"	H.M.	7	J-2,6	X	-	221	
	B	H.M.	E	1¾"	6'-0"	6'-10½"	H.M.	7	J-2,6	X	-	65	
209	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-9	-	330	
	B		A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-6	-	-	330
210, 216, 223	A	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-1	½ MTL	60	
211, 212, 213, 214, 215, 217, 224, 225	A	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	8-9	-	17	
220	A	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
222, 218	A	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	180° CABINET
219	B	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	109	
219	A	H.M.	A	1¾"	3'-0"	7'-6½"	H.M.	1	J-1	6-9	60	109	* DOOR IN FRONT OF COIL CAGE
219D	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	6	J-1	6-10	-	8	
220	A	"	K	1¾"	3'-0"	6'-10½"	H.M.	3	J-1	6-6	-	9	* WITH TELESCOPIC ASHCAN DOOR TO CAN
220A	A	"	K	1¾"	3'-0"	6'-10½"	H.M.	3	J-1	6-6	-	9	* WITH TELESCOPIC ASHCAN DOOR TO CAN
221, 221A	A	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
222	D	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
226A	A	WD	B	3'-0"	7'-10½"	8'-0"	-	-	-	-	-	61	* SIDING
227	A	H.M.	L/E	1¾"	6'-10½"	7'-6½"	H.M.	7/6	J-2	6-9	½ MTL	23	* 16 ALUMINUM ASHCAN DOOR FINISH CAN
228, 229	A	H.M.	K	1¾"	3'-0"	7'-10½"	H.M.	3	J-1	6-2	½ MTL	19	* WITH TELESCOPIC ASHCAN DOOR TO CORRUGATED CHUTE
300	A	H.M.	F	1¾"	3'-10"	7'-10½"	H.M.	2	10	6-8		80	WRAPPED BRONZE CLADDING
303	A	H.M.	B	1¾"	3'-0"	8'-0"	H.M.	3	J-1	6-9	1½"	4-12	WIRE PANEL ON DOOR
307	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	2	J-1	6-9	-	94	
257	B											98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
306	A	—			3'-0"	—	—	—	—	—	—	86	SEE DWG A-4.2 FOR (8" C. CENTER-LINE)
305	A	—			3'-0"	—	—	—	—	—	—	98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
304	A	—			3'-0"	—	—	—	—	—	—	98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
302	A	—			3'-0"	—	—	—	—	—	—	86	SEE DWG A-4.2 FOR (8" C. CENTER-LINE)
308	A	—			3'-0"	—	—	—	—	—	—	97	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
													SEE PLAN A22.5
309	A	H.M.	L	1¾"	6'-0"	8'-0½"	H.M.	2	J-1	6-1	½ MTL	19	* 16 ALUMINUM ASHCAN DOOR, DOOR TO CAN
310	A	WD	A	1¾"	1'-6"	7'-10½"	H.M.	1	J-2	6-9		08	
310-311	B	WD	A	1¾"	1'-0"	7'-10½"	H.M.	1	J-2	6-9		108	
307A	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	—		8	
319	A	H.M.	L	1¾"	6'-0"	8'-0½"	H.M.	2	J-1	6-1	½ MTL	19	* 16 ALUMINUM ASHCAN DOOR, DOOR TO CAN
310	A	WD	A	1¾"	1'-6"	7'-10½"	H.M.	1	J-2	6-9		08	
310-311	B	WD	A	1¾"	1'-0"	7'-10½"	H.M.	1	J-2	6-9		108	
307A	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	—		8	

DOOR NO	DOOR MAT	DOOR TYPE	DOOR THK	OPENING WIDTH	OPENING HEIGHT	FRAME MAT	FRAME TYPE	FRAME RABBET	SMS	SMS U.L.	ASC	HDWD SET NO.	REMARKS
1st floor DWG A3													
101 *	A	WD	I	1¾"	3'-0"	8'-8"	WD.		*	—	—	—	K 31 A-223
101	B	H.M.	A	1¾"	—	8'-11"	H.M.	1	J-2	6-1	SPEC	98A	HDR PANEL
	C	H.M.	F	1¾"	3'-0"	8'-11"	H.M.	1	J-2	6-6	SPEC	49	SEE DET. A-5 FOR ALTERNATE FRAME
103	A	H.M.	H	1¾"	3'-0"	8'-11"	H.M.	1	J-2	6-1	SPEC	37	HDR PANEL
103C	A	H.M.	H		3'-0"	"	H.M.	1	J-2	6-4	SPEC	37	" "
106	A	WD	A	1¾"	3'-0"	8'-0"	WD.	1				20	
108	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-6	-	17	
108A	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	-	-	5	
	B	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-7	-	17	
109	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-7	-	17	
	B	H.M.	A	1¾"	1'-0"	6'-10½"	H.M.	1	J-2	6-7	-	17	
110	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-7	SPEC	19A	
111	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	8	J-2	6-1	SPEC	32A	
111A	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-8	-	8	* 1" UNDERCUT
112	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	5	J-2	6-10	SPEC	6	
	D					H.M.	1	J-2	6-7	SPEC	-	6	ASSOCIATE ROOF DOOR - REVERSE ROW FRAME, MFG. & HARDWARE
112A	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-6	-	5	
RECTIFIER	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	—	-	8	112C IDC SWING
150	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2		SPEC	10A	
115, 24	A	H.M.	A	1¾"	8'-0"	7'-10½"	H.M.	1	J-2	6-2	-	13	2 LOUVERS - 24A; 24B WIRE MESH
114A	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-2"	-	8A	* 40 UNDERCUT
115 *	A, D	WD	E	1¾"	3'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	115 WITH GASKET
	BA		"	"	"	"	"	"	●	"	"	60	115 GASKED WITH OTHER DOOR
	J	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-1	6-6	SPEC	5	
	JG	WD	F	1¾"	6'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	116 WITH GASKET
116	B	A,B,K	"	"	6'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	60 " WITH
	K	GD	"	"	6'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	60 " "
	G	G,H,J,K	"	"	6'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	65
117	A	H.M.	F	1¾"	5'-0½"	7'-10½"	H.M.	7	J-1,6	6-6	SPEC	60	116 GASKED WITH OTHER DOOR
	B	H.M.	A	1¾"	2'-10"	7'-10½"	H.M.	1	J-1,6	6-6	SPEC	66	116 GASKED WITH OTHER DOOR
117A *	A	WD	F	1¾"	6'-0"	8'-8"	H.M.	7	J-2	6-1	SPEC	60	116 GASKED WITH OTHER DOOR
*	B	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	J-2	6-1	SPEC	60	65
118	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	8	J-2	6-7	SPEC	32	
119	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2,6	—	-	62A	* 01 RECESSED, DOUBLE ACTION SWING
	C,D	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	2	J-2	—	-	92	* 62 "
119A	A	H.M.	J	1¾"	3'-0"	6'-10½"	H.M.	1	J-2,6	—	-	66	* 63 "
150, 159, 156	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2,6	6-9	-	17	
151	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-6	-	6	
155	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	6	J-1	6-6	SPEC	98A	
	B	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-1	-	18	
*	C	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	J-2	6-9	SPEC	60	18
*	D	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	E	J-2	6-6A	-	98A	
159	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
158, 158B	B	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
156, 158, 159 *	A	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	●	6-1	SPEC	60	37
167	A	HM	A	1¾"	3'-0"	7'-10½"	HM	1	J-2	6-9	-	17	
169	D	HM	A	1¾"	3'-0"	7'-10½"	HM	1	J-2	6-9	-	37	
150 *	A	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	●	6-1	SPEC	60	5
	B	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	15	* 63 RECESSED
151 *	A	WD	F	1¾"	6'-0"	7'-10½"	H.M.	E	●	6-1	SPEC	60	SEE LA-2D
156	A	H.M.	A, E	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-6	-	13	* 16 3 LOUVERS & WD UNDERCUT
153	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-1	-	98A	
154	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	6-6	-	5	WD. PANEL
155	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	—	SPEC	5	
157	A	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	8	J-2	—	SPEC	37	
104	A	H.M.	A	1¾"	3'-0"	8'-0"	H.M.	4	6	6-1	SPEC	66	* SEE MECH DWG A-107
	B	H.M.	A	1¾"	3'-0"	7'-0"	H.M.	4	6	6-1	SPEC	66	* SEE MECH DWG A-107
	C	GL-8	G	2⅝"	3'-0"	7'-6⅝"	-	-	-	6	-	96	* SEE MECH DWG A-107
160	A, B	H.M.	A	1¾"	6'-0"	7'-10½"	H.M.	1	J-2	6-1	SPEC	63	
	C, D	H.M.	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-1	SPEC	65	
* = DOOR IS PART OF WALLWORK CONTRACT													SEE DWG LA-2D

DOOR NO	DOOR MAT	DOOR TYPE	DOOR THK	OPENING WIDTH	OPENING HEIGHT	FRAME MAT	FRAME TYPE	FRAME RABBET	SMS	SMS U.L.	ASC	HDWD SET NO.	REMARKS
2nd floor DWG A4													
116B	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	9	J-2	6-10	-	8	
132A	A	H.M.	A, E	1¾"	5'-6"	7'-10½"	H.M.	1	J-2	6-2	-	13	* 16 3 LOUVERS
136	A, B	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	J-2	6-7	-	8	
130	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	8	J-2	6-6	-	98A	
116D	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	2	J-10	6-8	-	6	
128	E	H.M.	F	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-6	1½	17	
130	A	H.M.	A	1¾"	9'-0"	8'-8"	H.M.	1	J-2	6-6		8	
101A	A	GLASS	A	*	*	*	WD.					44	SEE DET. 25, 27 ; DWG A-221
101B	A	*	A	1	*	*	*	*				*	*
101C	A	*	A	1	*	*	*	*				*	*
101E	A	*	D	1	*	*	*	*				*	*
101F	A	*	A	1	*	*	*	*				*	*
207	A	*	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	
208, 224	A	*	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	17	180° CABINET
226	B	"	A	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-9	-	109	
227A	A	H.M.	L/E	1¾"	6'-10½"	7'-6½"	H.M.	7/6	J-2	6-9	½ MTL	60	* 16 ALUMINUM ASHCAN DOOR FINISH CAN
228, 229	A	H.M.	K	1¾"	3'-0"	7'-10½"	H.M.	3	J-1	6-2	½ MTL	19	* WITH TELESCOPIC ASHCAN DOOR TO CORRUGATED CHUTE
200	A	H.M.	F	1¾"	5'-10"	7'-10½"	H.M.	2	10	6-8		80	WRAPPED BRONZE CLADDING
203	A	H.M.	B	1¾"	3'-0"	8'-0"	H.M.	3	J-1	6-9	1½"	4-12	WIRE PANEL ON DOOR
207	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	2	J-1	6-9	-	94	
257	B											98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
206	A	—			3'-0"	—	—	—	—	—	—	86	SEE DWG A-4.2 FOR (8" C. CENTER-LINE)
205	A	—			3'-0"	—	—	—	—	—	—	98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
204	A	—			3'-0"	—	—	—	—	—	—	98	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
202	A	—			3'-0"	—	—	—	—	—	—	86	SEE DWG A-4.2 FOR (8" C. CENTER-LINE)
208	C	—			3'-0"	—	—	—	—	—	—	97A	SEE DWG A-4.2 FOR (1½" CENTER-LINE)
													SEE PLAN A22.5
228	A	GLASS											SLIDING FIRE DOOR
	B	H.M.											
228C	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	9	J-2	6-10	-	8	
116B	A	H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	9	J-2	6-10	-	8	
132A	A	H.M.	A, E	1¾"	5'-6"	7'-10½"	H.M.	1	J-2	6-2	-	13	* 16 3 LOUVERS
136	A, B	WD	A	1¾"	3'-0"	8'-8"	H.M.	1	J-2	6-7	-	8	
130	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	8	J-2	6-6	-	98A	
116D	A	H.M.	F	1¾"	6'-0"	7'-10½"	H.M.	2	J-10	6-8	-	6	
128	E	H.M.	F	1¾"	3'-0"	7'-10½"	H.M.	1	J-2	6-6	1½	17	
130	A	H.M.	A	1¾"	9'-0"	8'-8"	H.M.	1	J-2	6-6		8	
101A	A	GLASS	A	*	*	*	WD.					44	SEE DET. 25, 27 ; DWG A-221
101B	A	*	A	1	*	*	*	*				*	*
101C	A	*	A	1	*	*	*	*				*	*
101E	A	*	D	1	*	*	*	*

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GENERAL NOTE
SEE SHEET, FINISH & HARDWARE SCHEDULE
SEE DWG A-511

4th floor DWG A-6A

DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPENING WIDTH	OPENING HEIGHT	FRAME MAT.	FRAME TYPE	FRAME RMKS	HILL.	FIRE RATING (IN HRS)	ACC.	HDWE SET NO.	REMARKS
401,402,403,404,405	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
413,414,451,452,494	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
414,434,441,442,449	B WD.	C	1⅜	2'-6"	7'-0"	-	-	-	-	-	-	3	
446,447													
403	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	A	1¾"	2'-8"	6'-10½"	H.M.	1	J-2	S-9	-	-	5A	150° SWING
406	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	C WD.	C	1¾"	2'-10½"	7'-0"	-	-	-	-	-	-	3	
	D WD.	C	1¾"	4'-0"	7'-0"	-	-	-	-	-	-	3	
409	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	C WD.	C	1¾"	2'-10½"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
409,410,417,418	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
419,420,426,427	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
439,436,437,438	C WD.	C	1¾"	2'-10½"	7'-0"	-	-	-	-	-	-	3	
443,444	D HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
409,419	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	2'-10½"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E WD.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
416, 428	A H.M.	F	1¾"	4'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1B	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0"	7'-0"	-	-	-	-	-	-	3	
	D WD	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E WD.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-2	-	-	-	4B	
423	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
431	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
440	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD	D	1¾"	4'-0"	7'-0"	-	-	-	-	-	-	3	
448	A HM.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1C	
450	A H.M.	F	1¾"	5'-0"	7'-0"	H.M.	2	J-4	S-5	-	-	8D	
491	A HM.	F	1¾"	6'-0"	6'-10½"	H.M.	2	J-5	S-6	½	-	7	
	B H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8A	
492	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8	
494	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
495	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
496	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
450,635	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
492	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2	S-2	-	-	2	
	C WD.	C	1¾"	4'-0"	7'-0"	-	-	-	-	-	-	3	

5th floor DWG A-6B

DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPENING WIDTH	OPENING HEIGHT	FRAME MAT.	FRAME TYPE	FRAME RMKS	HILL.	FIRE RATING (IN HRS)	ACC.	HDWE SET NO.	REMARKS
507,511,512,513	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
518,521,522,524	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
494,499,501,502	C WD.	D	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
446,447													
503	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	A	1¾"	2'-8"	6'-10½"	H.M.	1	J-2	S-9	-	-	5A	180° SWING
504	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
509	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	C WD.	C	1¾"	4'-10"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
506	A H.M.	F	1¾"	5'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1B	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2A	
	C WD.	C	1¾"	4'-10"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
508,510,517,518	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
520,529,536,537	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
539,536,537,538	C WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
543,545	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
509,514,544	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
516,526	A H.M.	F	1¾"	4'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1B	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D WD	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E WD.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-2	-	-	-	4B	
523	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
531,532	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
540	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1½"	* 4'-0" ±	7'-0"	-	-	-	-	-	-	3	* V.I.F.
548	A HM.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1C	
550	A HM.	F	1¾"	5'-0"	7'-0"	H.M.	2	J-4	S-5	-	-	8D	
551	A H.M.	F	1¾"	6'-0"	6'-10½"	H.M.	2	J-5	S-6	½	-	7	
	B H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8A	
552	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8	
554,555,556	A HM	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
557	A HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
558	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	47	180° SWING
559	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-9	-	-	8A	180° SWING
501,505	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	D	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
530,533	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	

6th floor DWG A-6C

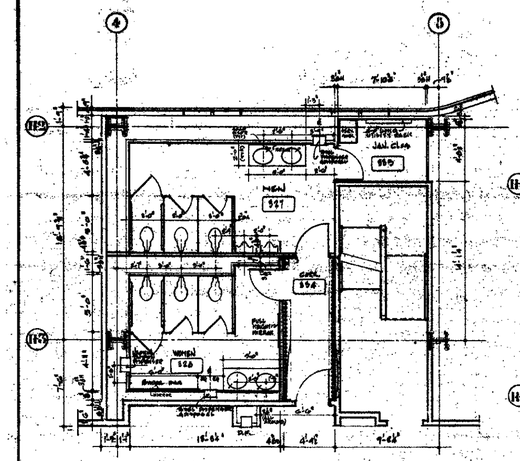
DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPENING WIDTH	OPENING HEIGHT	FRAME MAT.	FRAME TYPE	FRAME RMKS	HILL.	FIRE RATING (IN HRS)	ACC.	HDWE SET NO.	REMARKS
601,602	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	G WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
604	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	G WD.	A	1¾"	2'-8"	6'-10½"	H.M.	1	J-2	S-9	-	-	5A	
604A	A HM	F	1¾"	4'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1C	
604B	A WD	P2	1⅜"	2'-10"	6'-10½"	H.M.	1	J-3	S-5	-	-		* VERT. STOP
604E	A WD	A	1¾"	2'-8"	6'-10½"	H.M.	1	J-2	S-9	-	-		
604C	A WD.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-9	-	-		
604D	A WD	C	1¾	4'-0	7'-0"	-	-	-	-	-	-		▽ FLUSH
604J	A WD	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-9	-	-		
	B WD	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-9	-	-		
604F	A WD	P2	1⅜"	2'-10"	6'-10½"	H.M.	1	J-3	S-5	-	-		* VERT. STOP
604E	A WD	B	1⅜"	2'-6"	6'-10½"	H.M.	1	J-3	S-5	-	-		
604H	A WD	B	1⅜"	2'-6"	6'-10½"	H.M.	1	J-3B	S-5	-	-		
608,610,616,617	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
610,614,615,620	B WD	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
607,620	C WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D HDR	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
603,649	D HDR	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
604	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
601,612,613,614	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
615,621,622,624	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
623,625,626,627	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
628,629,630,631													
635	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
650,653	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
651	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
655	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
658	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
660	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
	C WD.	C	1¾"	* 4'-0" ±	7'-0"	-	-	-	-	-	-	3	* V.I.F.
650	A HM.	F	1¾"	5'-0"	7'-0"	H.M.	2	J-1	S-1	½	35	1A	
651	A H.M.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-1	S-1	½	-	7	
	B HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8A	
662	A HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8	
664,665,666	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
667	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
668	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	47	180° SWING
669	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-9	-	-	8A	180° SWING

20th & 21st floor suites DWG A-6D & A-6F

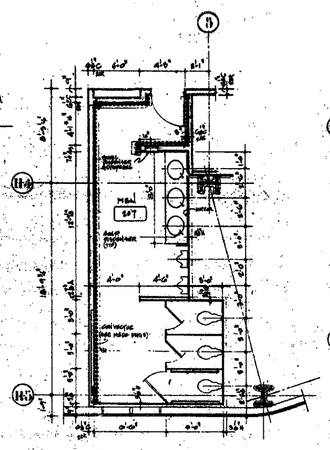
DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPENING WIDTH	OPENING HEIGHT	FRAME MAT.	FRAME TYPE	FRAME RMKS	HILL.	FIRE RATING (IN HRS)	ACC.	HDWE SET NO.	REMARKS
2004,2104	A WD	A	1¾"	2'-8"	6'-10½"	H.M.					5-9		
	B WD.	A	1¾"	2'-8"	6'-10½"	R.M.					5-9		
2004A,2104A	A WD	*	1¾"	2'-8"	6'-10½"	H.M.					5-9		
2004B,2104B	A WD	P2	1⅜"	2'-10"	6'-10½"	H.M.					5-9		
2004C,2104C	A WD	P1	1¾"	4'-0"	6'-10½"	H.M.					5-9		
	B HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-9	½	50	4	
2004D,2104D	A WD	A	1¾"	2'-6"	6'-10½"	R.M.					5-2		
2004E,2104E	A WD	A	1¾"	2'-6"	6'-10½"	H.M.					5-2		
	B WD	A	1¾"	2'-6"	6'-10½"	H.M.					5-2		
2004G,2106G	A HM	*	1¾"	2'-6"	6'-10½"	H.M.	2	J-1	S-1	½	35		
2004H,2104H	A WD	*	1¾"	2'-6"	6'-10½"	H.M.					5-2		
	C WD	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-		
	D WD	A	1¾"	2'-6"	6'-10½"	H.M.					5-2		
2004K,2104K	A WD	A	1¾	2'-6"	6'-10½"	H.M.					5-2		

7th thru 19th floors DWG A-6C

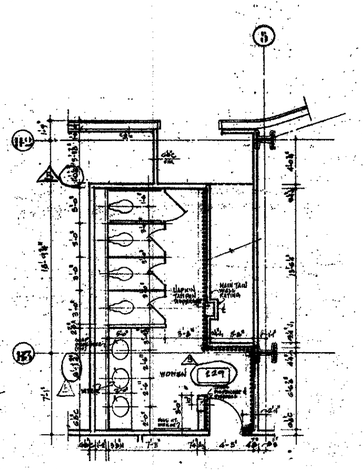
DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPENING WIDTH	OPENING HEIGHT	FRAME MAT.	FRAME TYPE	FRAME RMKS	HILL.	FIRE RATING (IN HRS)	ACC.	HDWE SET NO.	REMARKS
711,714,715,716	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
719,721,722,724	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
701,706,707,708	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
709,710,713 (PAIRS)													
705	A HM	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	G WD.	A	1¾"	2'-8"	6'-10½"	H.M.	1	J-2	S-9	-	-	5A	
704	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2A	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D WD.	D	1⅜	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
705	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	2'-10½"	7'-0"	-	-	-	-	-	-	3	
	D H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
706	A H.M.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1B	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2A	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E WD.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
707,708,713,716	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
717,718,720,725	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2A	S-2	-	-	2	
726,727,728, ,743	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
709													
709,719,726	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
	D HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
	E WD.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-3	S-3	½	50	4	WEATHER & GILL SHIMMED WITH OTHER SHIMS
729	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
731	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2	S-2	-	-	2	
	C WD.	D	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
740	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1A	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	* V.I.F.
748	A H.M.	F	1¾"	5'-0"	6'-10½"	H.M.	2	J-1	S-1	½	35	1C	
750	A H.M.	F	1¾"	5'-0"	7'-0"	H.M.	2	J-4	S-5	-	-	8D	
751	A H.M.	F	1¾"	6'-0"	6'-10½"	H.M.	2	J-5	S-6	½	-	7	
	B H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8A	
752	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-7	-	-	8	
754,755,756	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
757	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
758	A H.M.	A	1¾"	2'-6"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
759	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-2	S-5	-	-	8A	180° SWING
701 ⟶ 1501	A HM.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
702 ⟶ 1502	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
1401 ⟶ 1901	A HM	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
1402 ⟶ 1902	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD.	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
750,755	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
752	A H.M.	A	1¾"	3'-0"	6'-10½"	H.M.	1	J-1	S-1	½	35	1	
	B WD.	B	1⅜	2'-6"	6'-10½"	H.M.	1	J-2B	S-2	-	-	2	
	C WD	C	1¾"	4'-0⅜"	7'-0"	-	-	-	-	-	-	3	
1814,1815	D H.M.

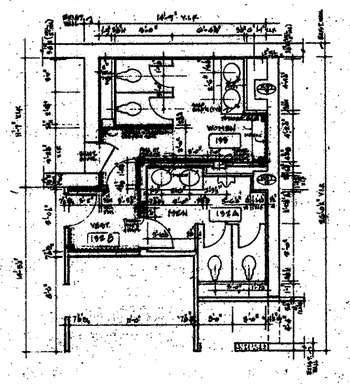


PART PLAN 5TH FLR. SEE DWG. A-9
SPACES 557 - 558 - 556 - 559

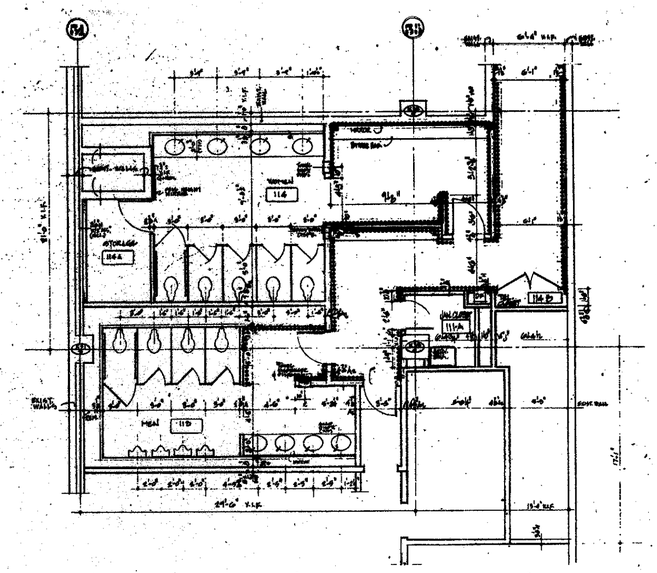


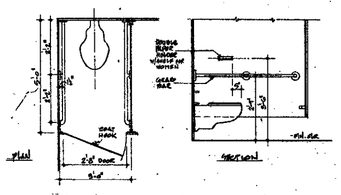
PART PLANS 4TH FLR. SEE DWG. A-8
SPACES 457 - 459



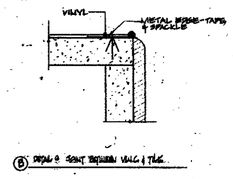


PART PLANS 1ST FLR. SEE DWG. A-6
SPACES 111A - 113 - 114 - 114A & 154 - 155A - 155

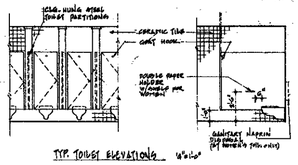




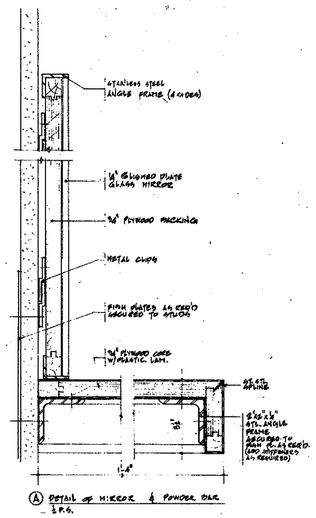
TOILET ENCLOSURE FOR HANDICAPPED 1/4"=1'-0"



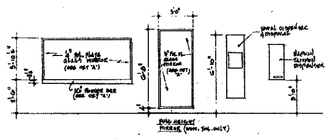
B DETAIL @ SEAT BETWEEN WALL & TILE

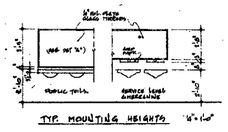


TYP. TOILET ELEVATIONS 1/4"=1'-0"

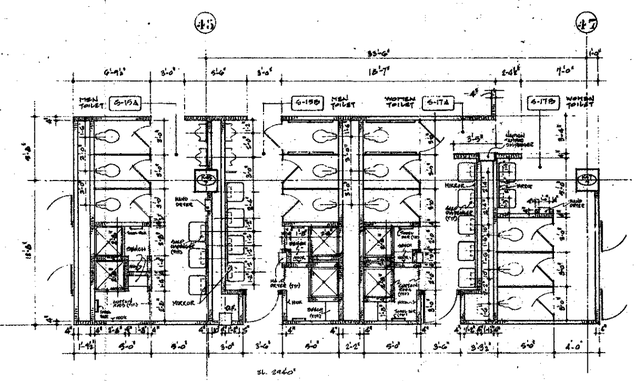


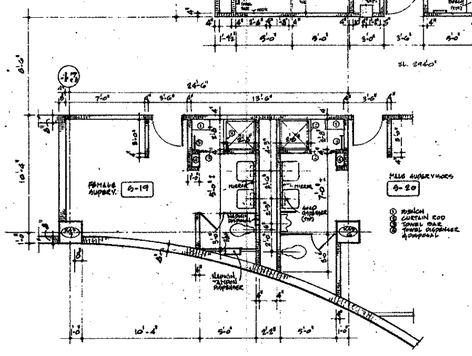
A DETAIL OF MIRROR & POWDER SHF.



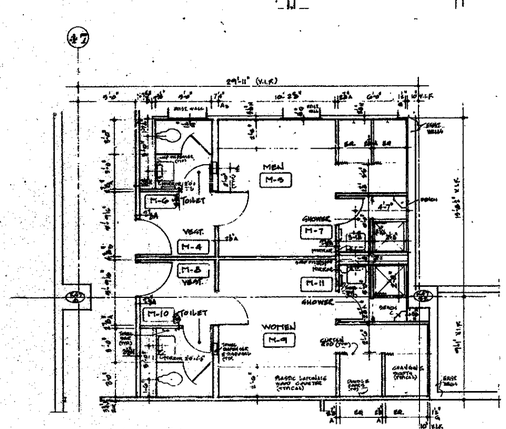


TYP. MOUNTING HEIGHTS 1/4"=1'-0"





PART PLANS SERVICE LEVEL SEE DWG. A-1
SPACES # G-19A, G-19B, G-17A, G-17B, G-17, G-6A



PART PLAN MEZZANINE SEE DWG. A-5
SPACES M-6 - M-11

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
205 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

LEGEND
NEW WALL CONSTRUCTION

NO.	DATE	REVISIONS
5	4-18-80	BULLETIN #179
4	12-17-79	BULLETIN #150
3	10-3-79	BULLETIN # 68
2	9-2-79	BULLETIN #5 25
1	5-15-79	ISSUED FOR CONSTRUCTION
	4-13-79	ISSUED FOR PORT AUTHORITY REVIEW

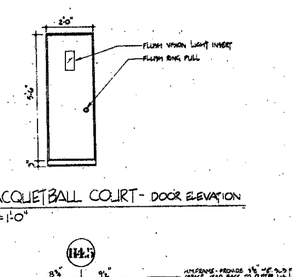
AS-BUILT DWGS
ENLARGED TOILET PLANS

DATE L-15-79
SCALE 1/8"=1'-0"
DRAWING NO. A-218
PROJECT NO. 7902

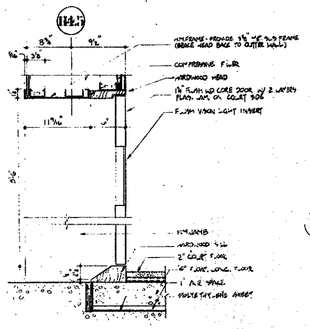
9-213

RECEIVED
NOV 19 1992

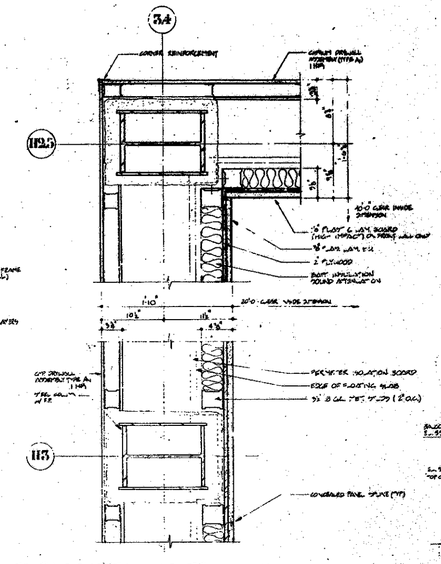
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



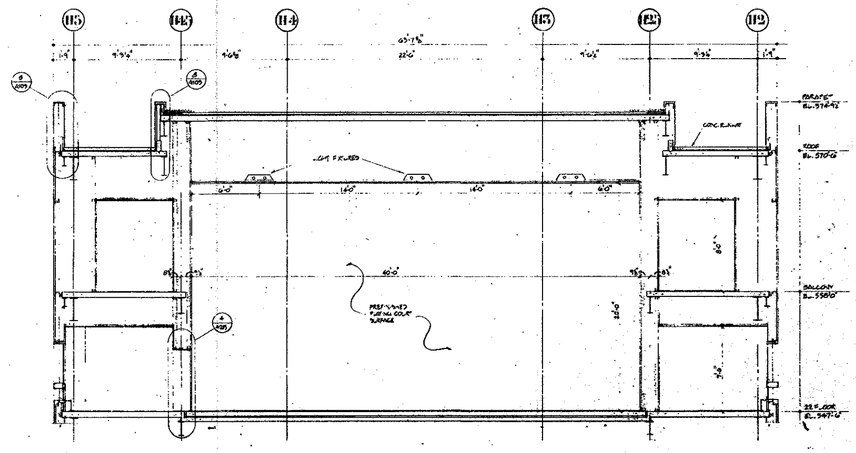
5 RACQUETBALL COURT - DOOR ELEVATION
1" = 1'-0"



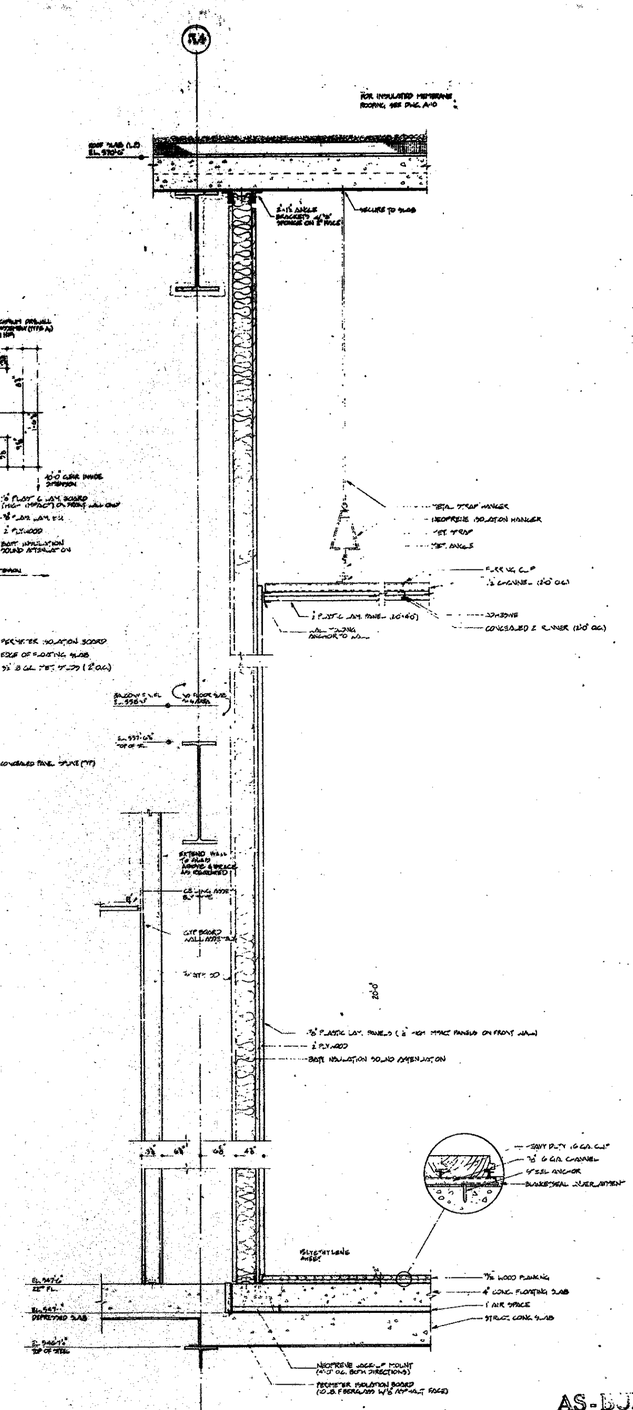
4 RACQUETBALL COURT - DOOR SECTION
1½" = 1'-0"



2 RACQUETBALL COURT - PLAN DETAILS
1½" = 1'-0"



3 RACQUETBALL COURT LONGITUDINAL SECTION
1/4" = 1'-0"



1 RACQUETBALL COURT WALL SECTION
1½" = 1'-0"

AS-BUILT DWGS

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
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WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

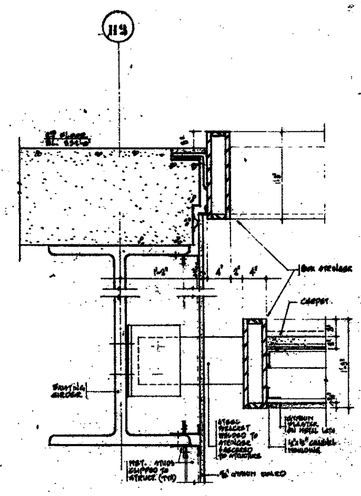
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

NO.	DATE	REVISIONS
9	12-17-80	HEALTH CLUB, HOME BULLETIN # 100
8	9-2-79	ISSUED AS NOTED #25
7	9-12-79	ISSUED FOR CONSTRUCTION
6	8-3-79	ISSUED FOR PERMIT AUTHORITY REVISION

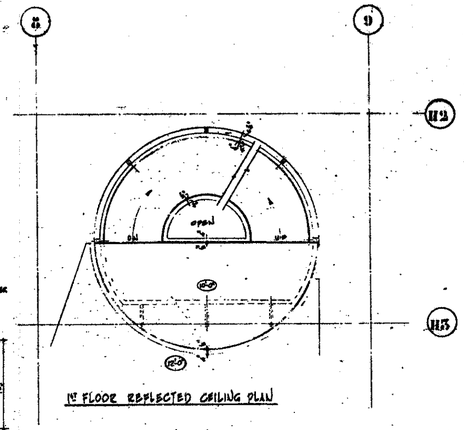
RACQUETBALL COURT
DETAILS

DATE 11-15-79
SCALE AS NOTED
DRAWING NO. A-215
PROJECT NO. 1008

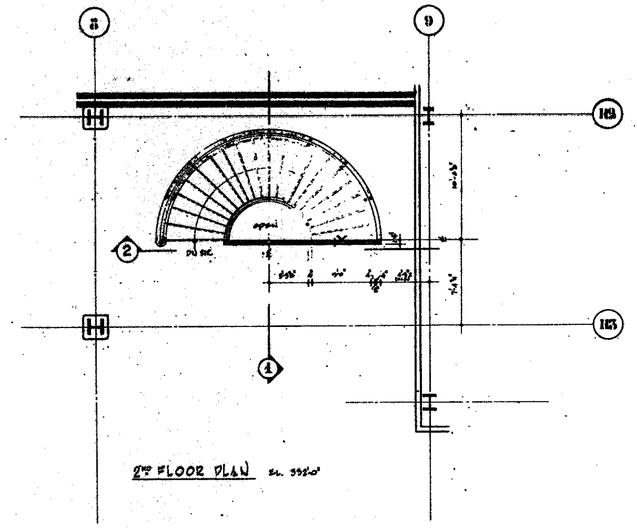
RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



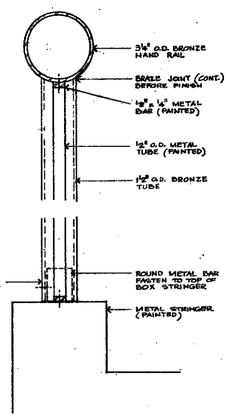
DETAIL "3"



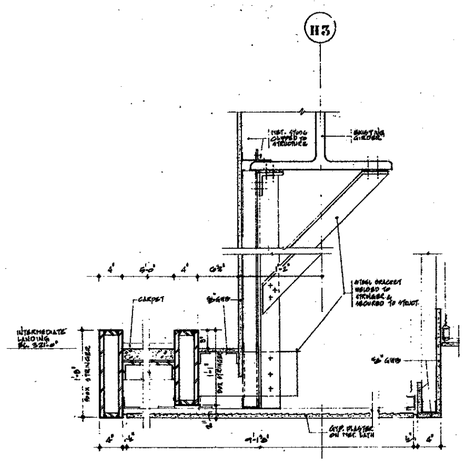
1st FLOOR REFLECTED CEILING PLAN



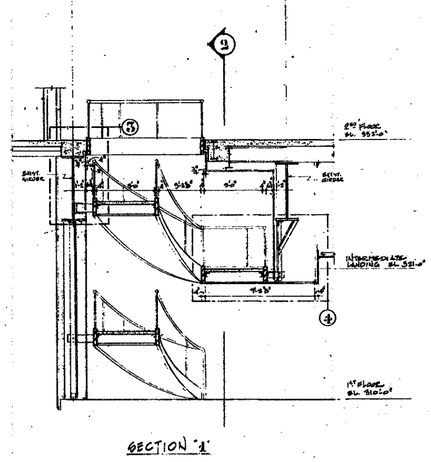
2nd FLOOR PLAN



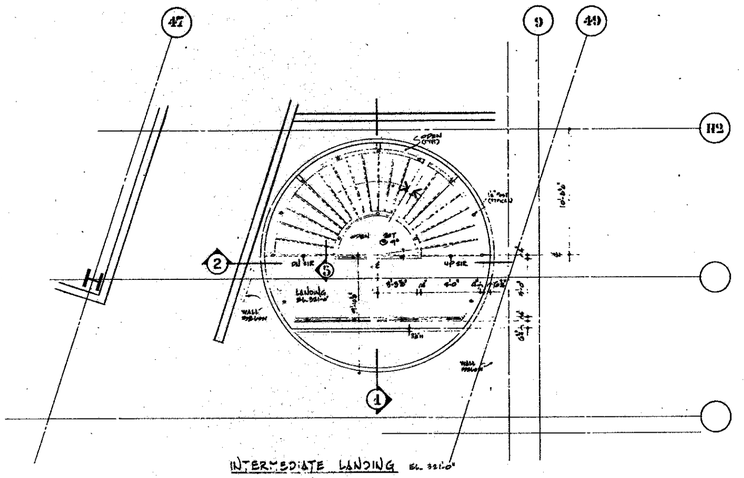
SECTION "7"



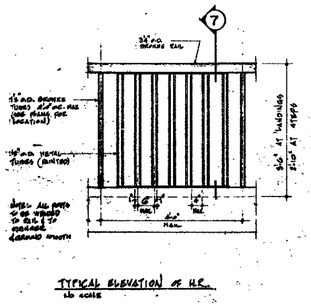
DETAIL "4"



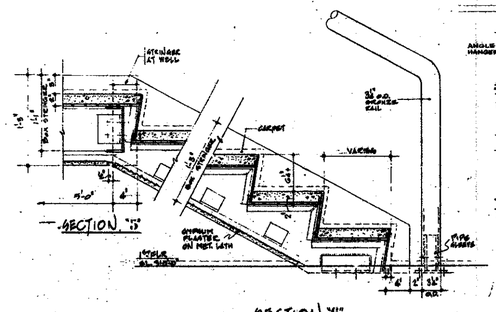
SECTION "1"



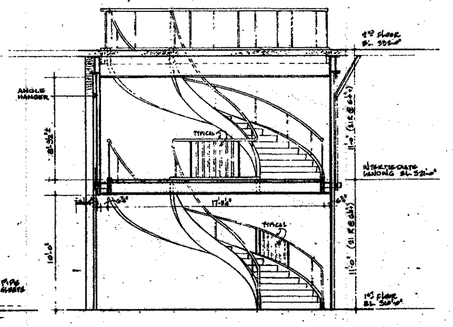
INTERMEDIATE LANDING



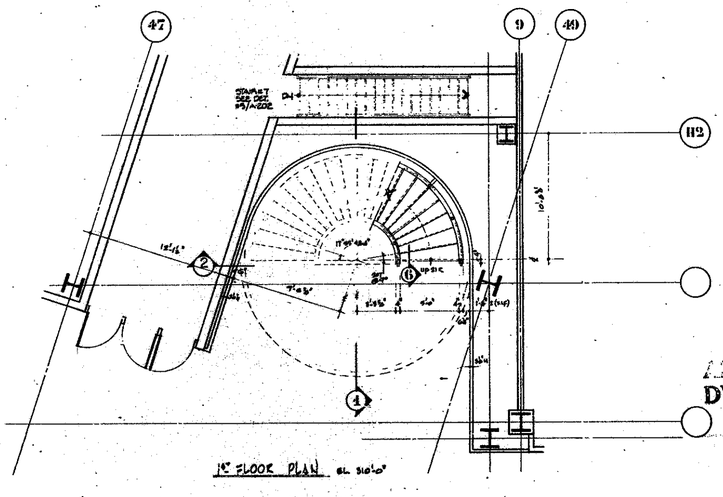
TYPICAL ELEVATION OF H.R.



SECTION "5"



SECTION "2"



1st FLOOR PLAN

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK, NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER & FICKWORTH
STRUCTURAL ENGINEERS
500 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

1	6-28-79	BUILT AS
2	5-12-79	ISSUED FOR CONSTRUCTION
NO.	DATE	REVISIONS

AS-BUILT DWGS

ORNAMENTAL STAIR

DATE 5-12-79
DRAWING NO. A-216
SCALE 1/4"=1'-0" & 1/8"=1'-0"
PROJECT NO. 1067

RECEIVED
NOV 19 1932
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

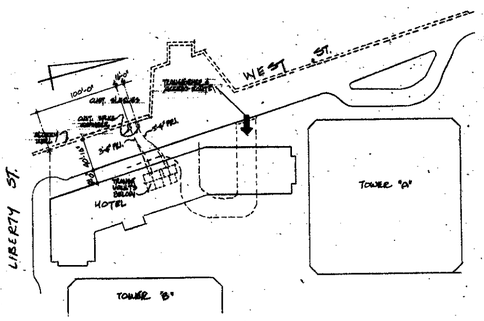
WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK, NEW YORK

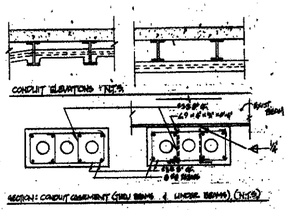
SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
300 PARK AVENUE, NEW YORK

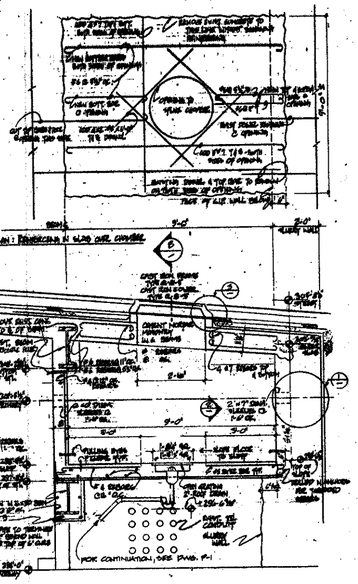
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK



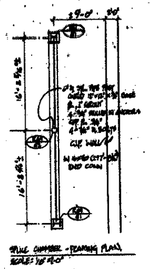
PLOT PLAN (1"=50')



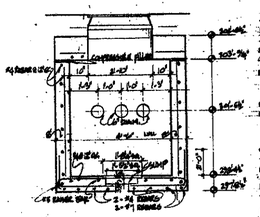
SECTION: CONDUIT ARRANGEMENT (TWO BANKS & UNDER BANKS) (1"=1'0")



PLAN: REINFORCING IN SLAB AND CHAMBER

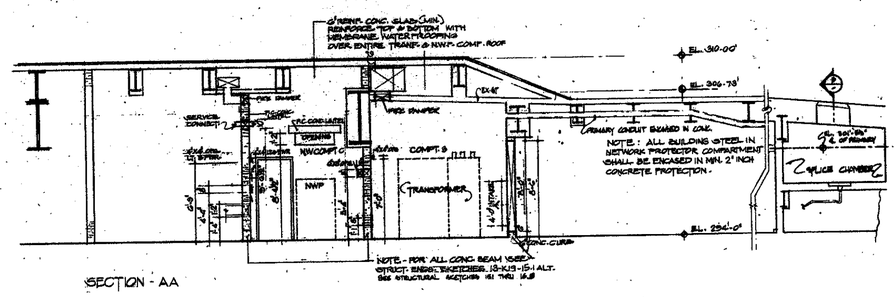


SPLICE CHAMBER - TRAFFIC PLAN
SCALE: 1/8"=1'0"

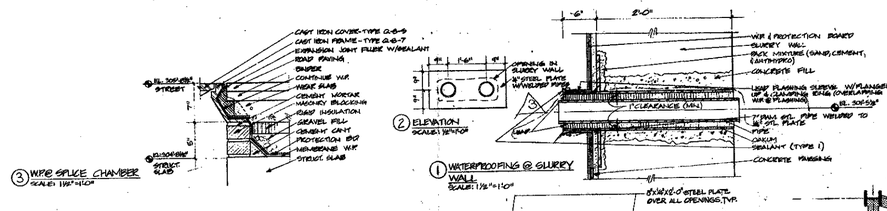


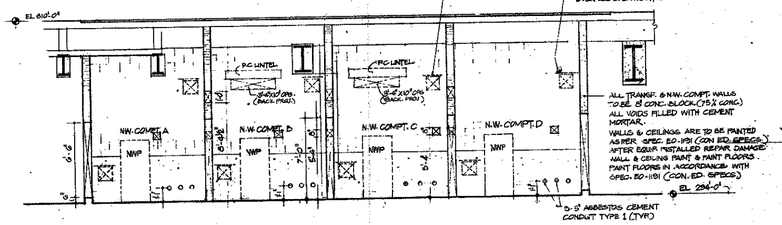
SPLICE CHAMBER SECTION 'BB'

SPLICE CHAMBER: SECTION 'AA' 1/4"=1'0"

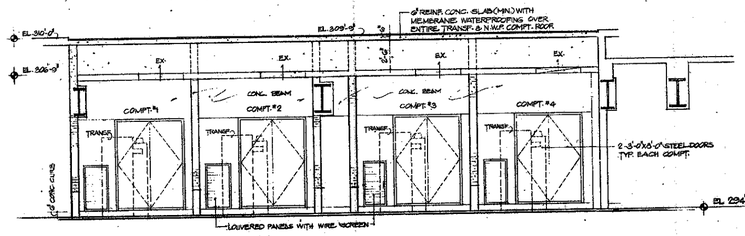


SECTION - AA

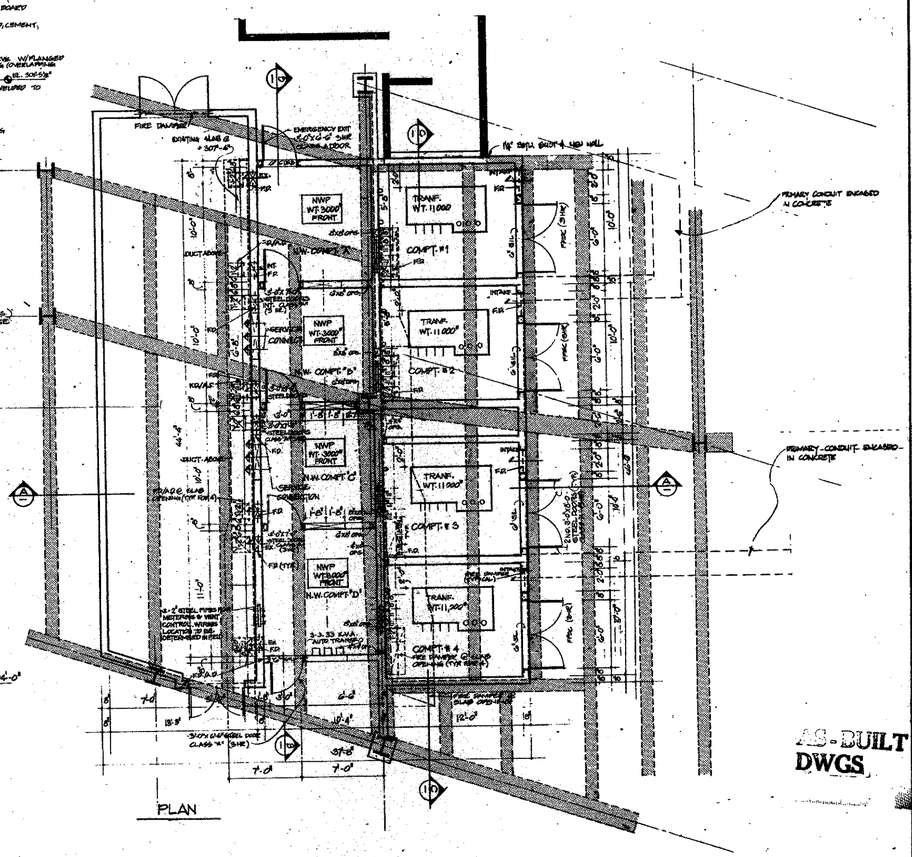




SECTION B-B



SECTION - CC



PLAN

AS-BUILT DWGS

NO.	DATE	REVISIONS
3	7/30/80	BULLETIN #264
2	5/1/80	BULLETIN #181
1	10-5-79	TO CONFORM TO CON ED LAYOUT

TITLE: TRANSFORMER VAULT

DATE: JULY 11, 78 | DRAWN BY | CHECKED BY | DRAWING NO. A-217

SCALE: 1/8" = 1'-0" | PROJECT NO. 9069-0000

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NOV 19 1982
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

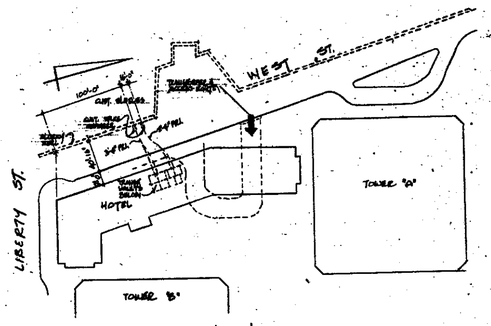
WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK, NEW YORK

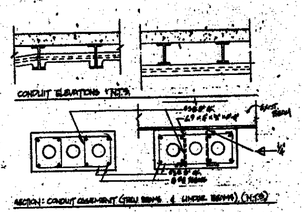
SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER & PECKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

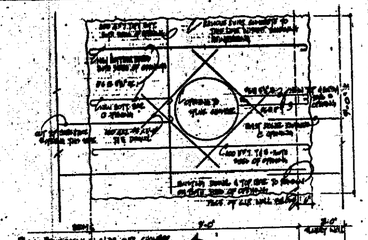
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK



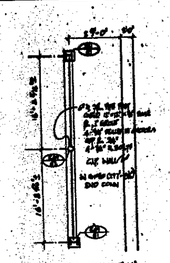
PLOT PLAN 0'-1"=1'-0"



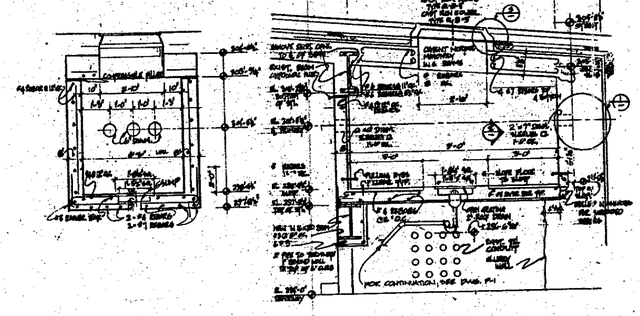
SECTION: CONDUIT ELEVATION (TYP.)



PLAN: PROTECTION @ SLAB OVER CHAMBER

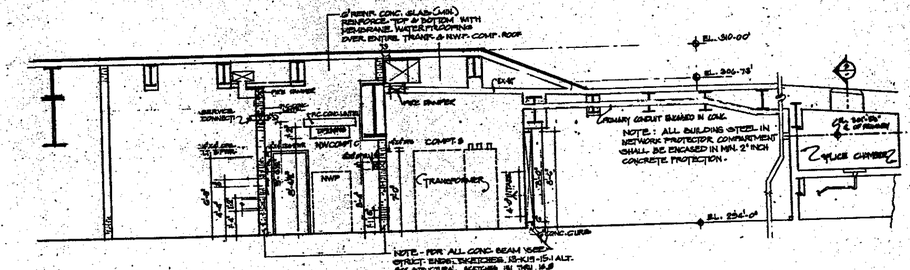


VAULT CHAMBER - FRAMING PLAN
SCALE: 1/8"=1'-0"

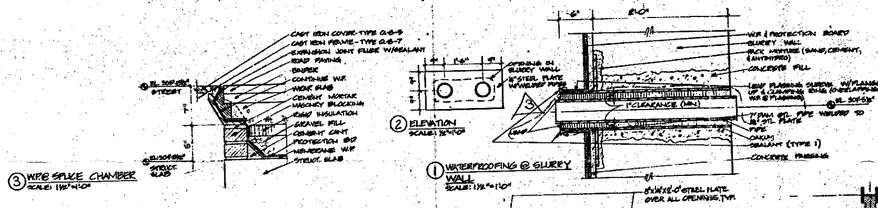


SPLICE CHAMBER SECTION 'BB'

SPLICE CHAMBER : SECTION 'AA' 1/4"=1'-0"



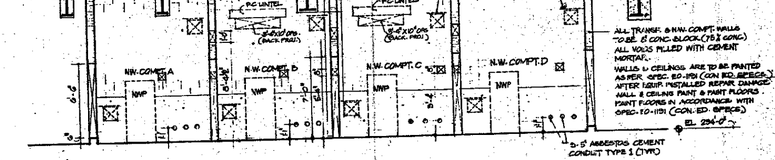
SECTION - AA



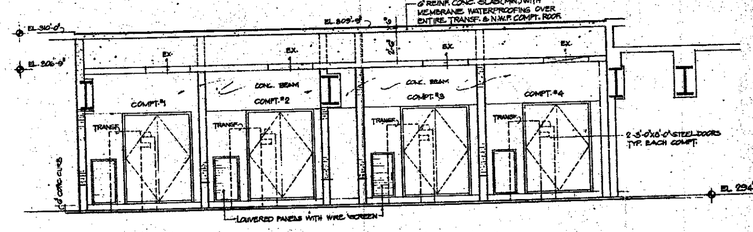
③ WIRE SPLICE CHAMBER SCALE: 1/2"=1'-0"

② ELEVATION SCALE: 1/2"=1'-0"

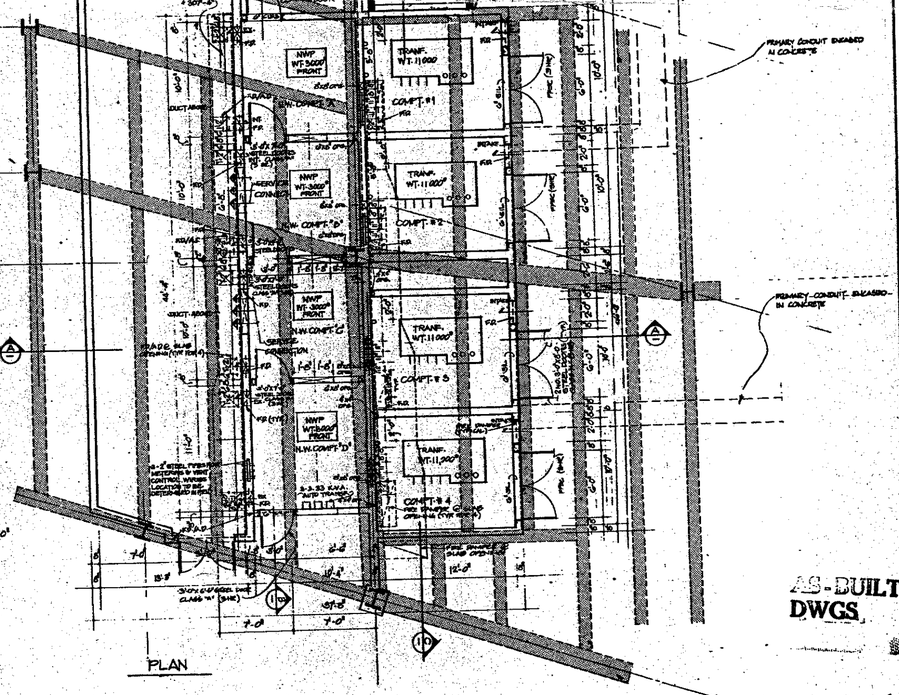
① WATERPROOFING @ SURREY WALL SCALE: 1 1/2"=1'-0"



SECTION B-B



SECTION - CC



PLAN

AS-BUILT DWGS

5	7-30-80	BULLETIN #68	
2	2-1-80	BULLETIN #68	
1	10-3-79	TO CONFORM TO CON ED MARKUP	
DWG.	DATE	REVISIONS	

TITLE: TRANSFORMER VAULT

DATE: JULY 11, 78	DRAWN BY:	A-217
SCALE: 1/4"=1'-0"	CHECKED BY:	

PROJECT NO. 7908-0000

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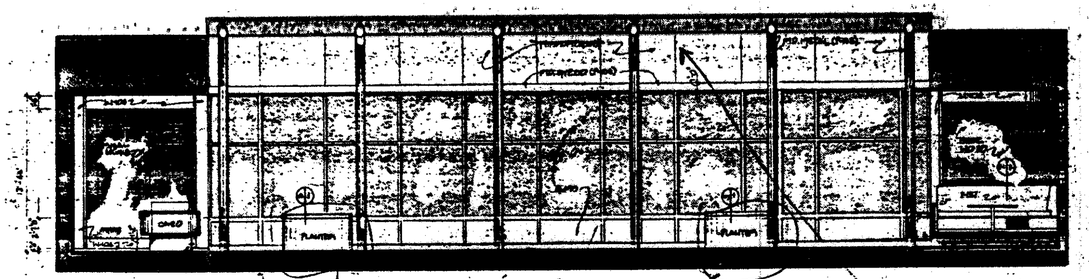
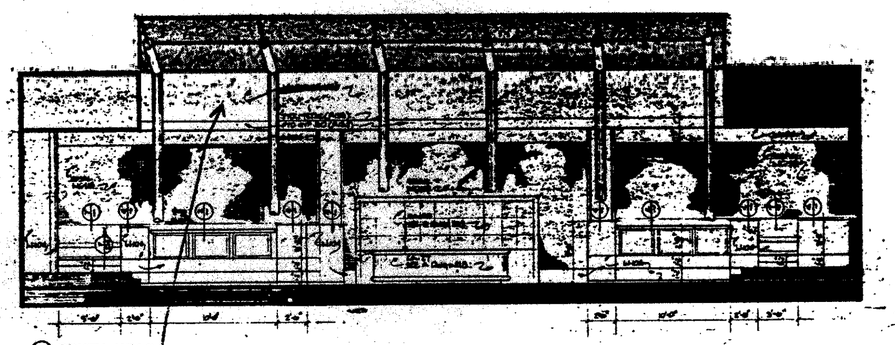
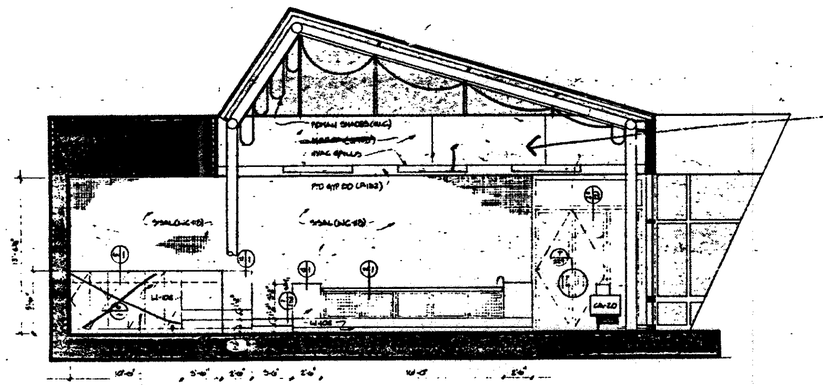


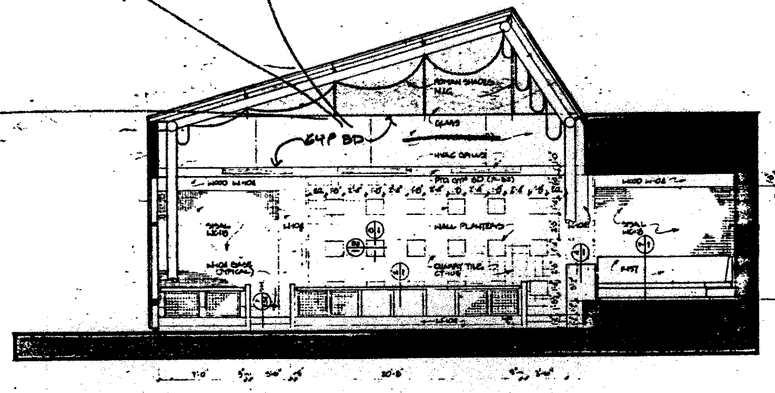
① NORTH WALL



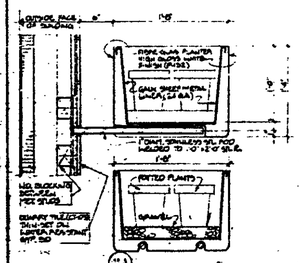
② SOUTH WALL



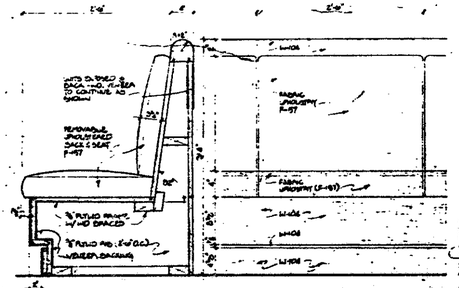
③ WEST WALL



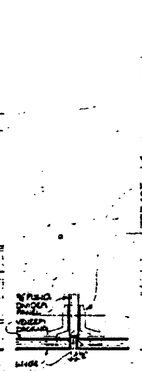
④ EAST WALL



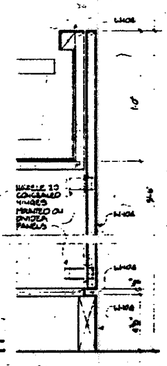
⑭ WALL PLANTER - SECTIONS



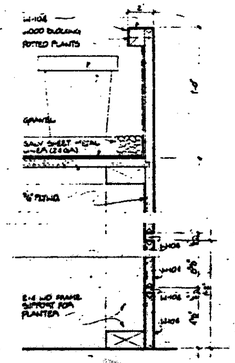
⑦ BANQUETTE - SECTION / PART ELEVATION



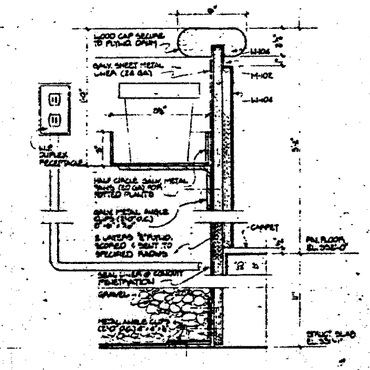
⑯ STORAGE - PLAN



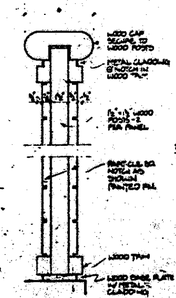
⑮ STORAGE / PLANTER



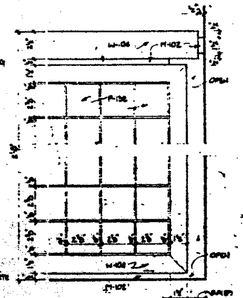
④ PLANTER SECTION PLAN



⑮ PLANTER SECTION PLAN



⑫ RAIL SECTION



① RAIL-PART ELEVATION

omit storage

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER, NEW YORK, NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
ONE PARK AVENUE, NEW YORK

I. M. WEDNOFF & PICKWORTH
STRUCTURAL ENGINEERS
ONE PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
ONE PARK AVENUE, NEW YORK

NOTE: ALL RAISED PLATFORMS IN THIS SPACE TO BE LOAD ON MAT. SLAB.
WOOD PLANTERS IN THIS SPACE TO BE SUPPORTED ON RAISED PLATFORMS AS NOTED ON PLANS

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NOV 19 1992
LESLIE E. ROBERTSON ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

2/10/80 REVISION TO FINISHES

25 JAN 80

NO.	DATE	REVISIONS
1	6-27-79	ADDENDUM NO. 1

ISSUED FOR PRELIMINARY DESIGN

GARDEN RESTAURANT ELEVATIONS and DETAILS

DATE 11-12-79
SCALE 1/4"-1'-0"
DRAWING NO. A 227
PROJECT NO.

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK, NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
NEW YORK · ATLANTA · NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
NEW YORK · NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
NEW YORK · NEW YORK

CEILING PLAN

FRONT ELEVATION

TOP VIEW

BACK ELEVATION

A — FRONT COUNTER - PLAN, ELEVATION & DETAIL SECTION
SCALES: 3/8" = 1'-0" & 3" = 1'-0"

1 2 2A

5 4 3

6 7 8 9 10

11 11A

12

13

14

BACK ELEVATION

PLAN SECTION

FRONT ELEVATION

SECTION

B — REAR COUNTER - PLAN, ELEVATIONS, SECTION & DETAILS
SCALES: 3/8" = 1'-0" & 3" = 1'-0"

15 16 16A

17

ELEVATIONS

SECTION

TOP VIEWS

C — HOT FOOD
NOTE: COORDINATE ALL CONSTRUCTION WITH EQUIPMENT SUBMITTALS.

D — COLD FOOD (NOT USED)

E — WARM FOOD (OMLET'S USED/BUFFET NOT USED)

FOOD STANDS - PLANS, ELEVATIONS & SECTION
SCALE: 3/4" = 1'-0"

PROVE DETAIL - PLAN & SEC

F — CASHIER'S COUNTER - PLAN, ELEVATIONS & SECTION
SCALE: 3/4" = 1'-0"

19

18

2/6/80 REVISION TO FINISHES
25 JAN 80

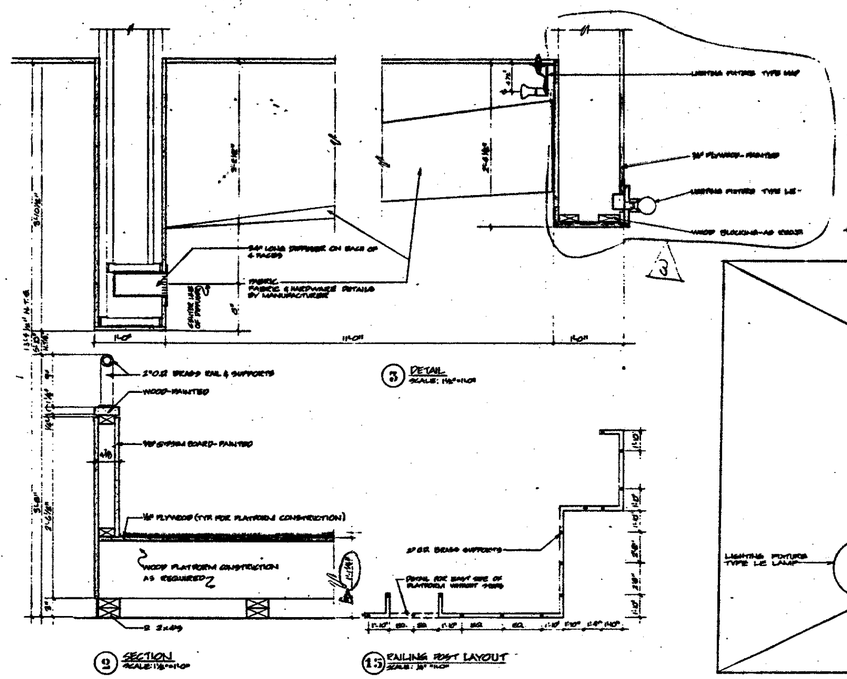
1 2-6-80 REVISION PER FINISHES
ISSUED FOR PLANNING BOOKING
NO. DATE REMARKS

RECEIVED
NOV 19 1982

LESHER, ROBERTSON
ARCHITECTS
211 E. 46th ST., N.Y., N.Y. 10017

GARDEN RESTAURANT DETAILS

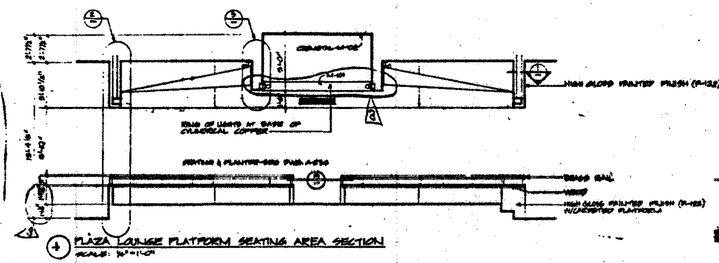
DATE 11-12-79
DRAWING NO. A 228



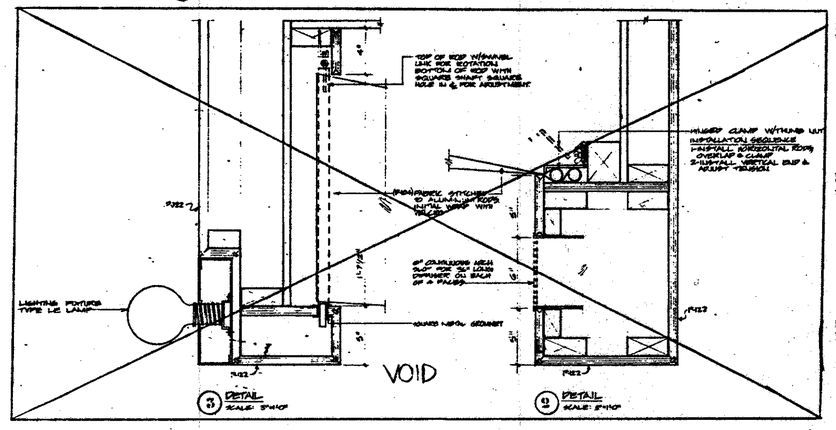
2 SECTION
SCALE: 1/2"=1'-0"

3 DETAIL
SCALE: 1½"=1'-0"

13 RAILING POST LAYOUT
SCALE: 3/8"=1'-0"

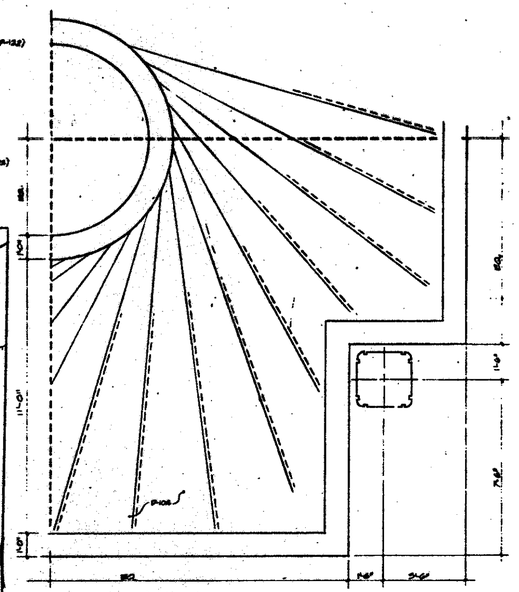


4 PLAZA LOUNGE PLATFORM SEATING AREA SECTION
SCALE: 1½"=1'-0"

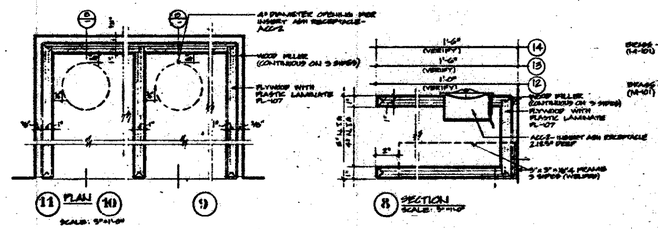


3 DETAIL
SCALE: 3"=1'-0"

2 DETAIL
SCALE: 3"=1'-0"



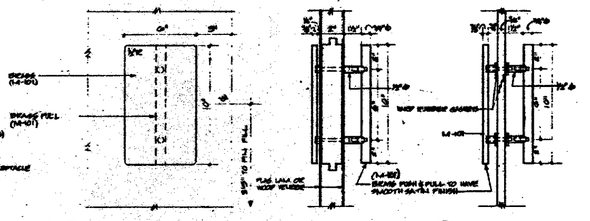
1 PLAZA LOUNGE CEILING ORNAMENT PLAN
SCALE: 1/2"=1'-0"



11 PLAN
SCALE: 3"=1'-0"

10 9

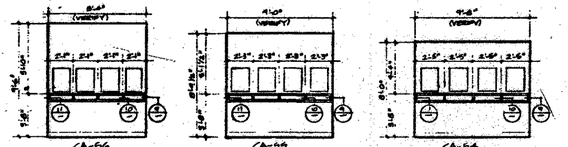
8 SECTION
SCALE: 3"=1'-0"



7 ELEVATION OF DOOR PUSH & PULL
SCALE: 3"=1'-0"

6 SECTION AT WOOD OR PLAS. LAM DOOR
SCALE: 3"=1'-0"

5 SECTION AT GLASS DOOR
SCALE: 3"=1'-0"



14 2ND FLOOR ELEVATION
SCALE: ½"=1'-0"

13 3RD FLOOR ELEVATION
SCALE: ½"=1'-0"

12 1ST FLOOR ELEVATION
SCALE: ½"=1'-0"

TELEPHONE COUNTER DETAILS

HARDWARE LOCATIONS

STREET LEVEL
- DOORS 6 DIGITS TO 44 1 TISCH TOWER
- ELEVATORS TO FULL HEIGHT SHAFT
- BALCONY - SEE ELEVATION
- FIREPLACE - SEE CONTRACT

PLAZA LEVEL
- ENTRANCE TO ANTRIM RESTAURANT
- ENTRANCE TO CONCIERGE DESK

CONCOURSE LEVEL
- ENTRANCE TO CONFERENCE ROOMS - SEE CONTRACT

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NEW YORK

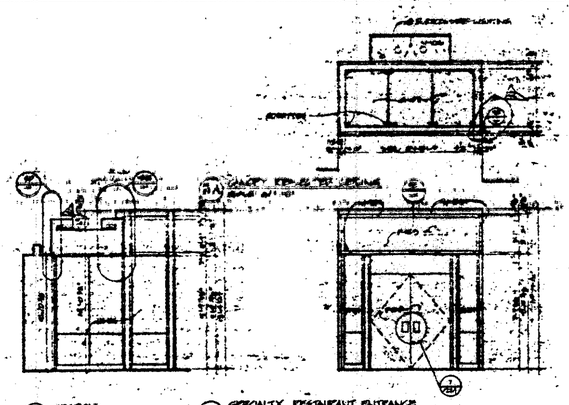
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
NEW YORK

3	4-1982	BULLETIN #3 '77
2	3-1982	BULLETIN #2 '77
1	1977	ADDENDUM #2

ISSUED FOR BIDDING

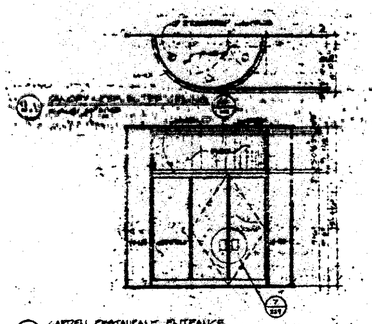
DETAILS

11-1279 | A-229

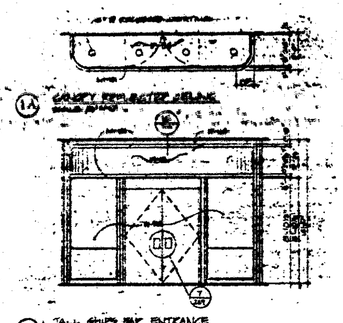


2C SECTION

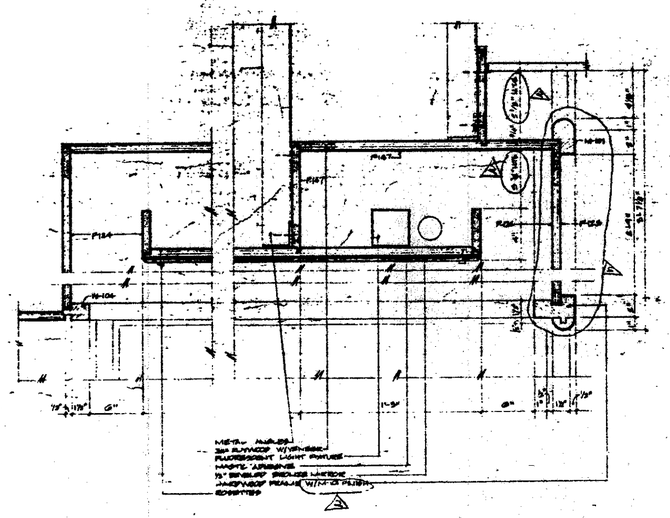
2B SPECIALTY RESTAURANT ENTRANCE



2A GARDEN RESTAURANT ENTRANCE

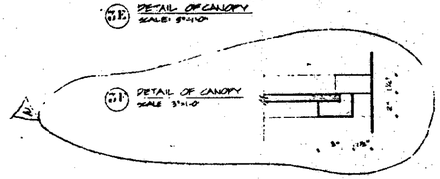


1A TALL SHIPS BAR ENTRANCE

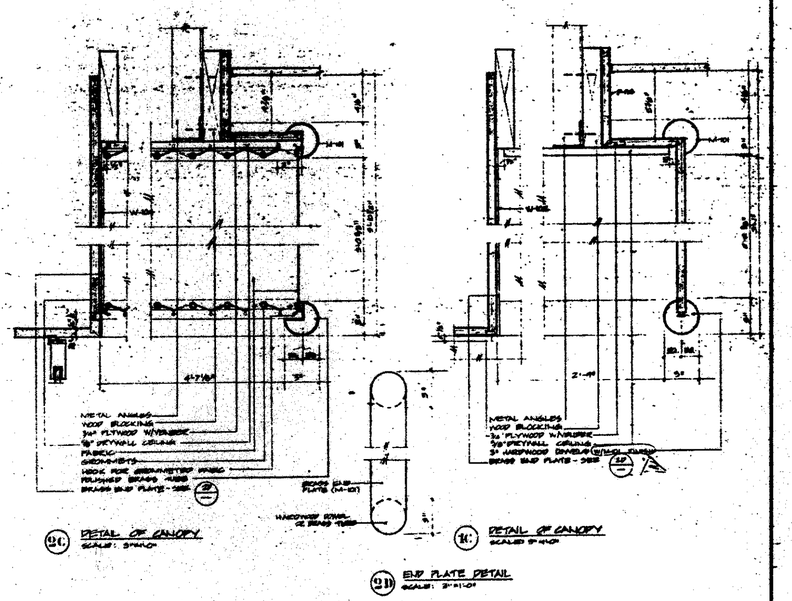


2D DETAIL OF CANOPY

2E DETAIL OF CANOPY



2F DETAIL OF CANOPY



2G DETAIL OF CANOPY

1K DETAIL OF CANOPY

2H END PLATE DETAIL

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LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y. 10017

Accepted 2/4/80

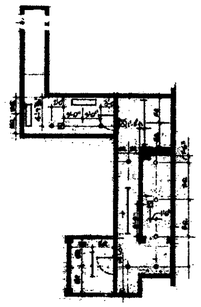
2/5/80 REVISION TO FINISHES

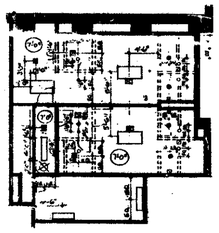
25 JAN 80

ALTERNATE DETAILS

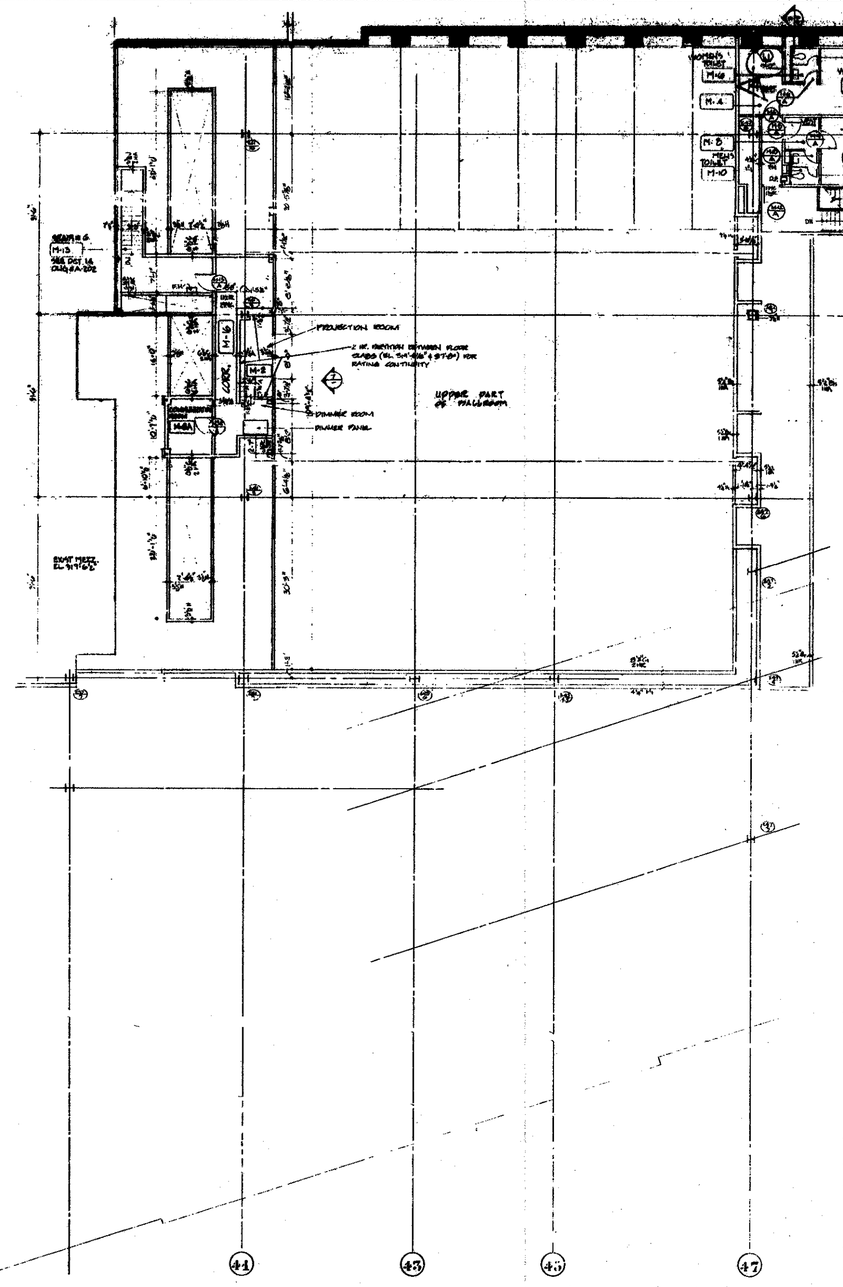
m2079

A-230

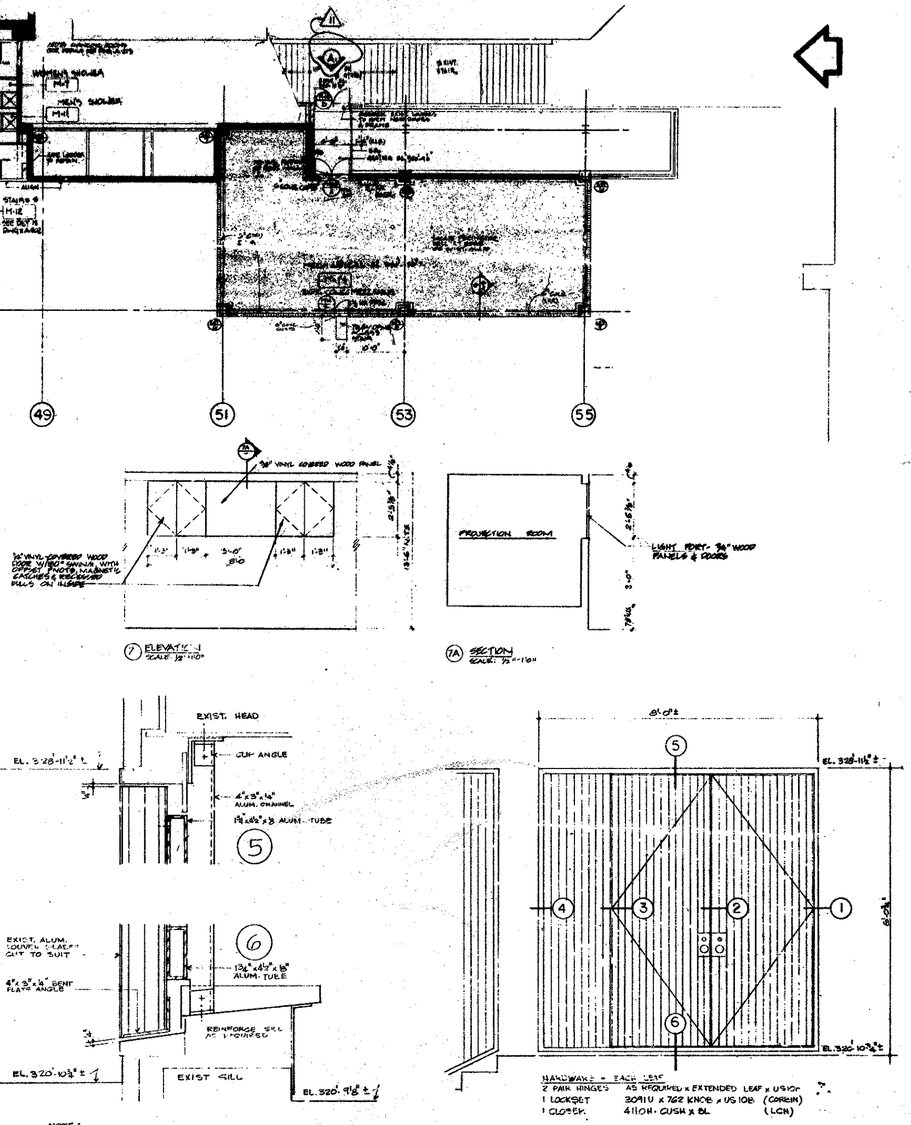




REFLECTED CEILING PLANS



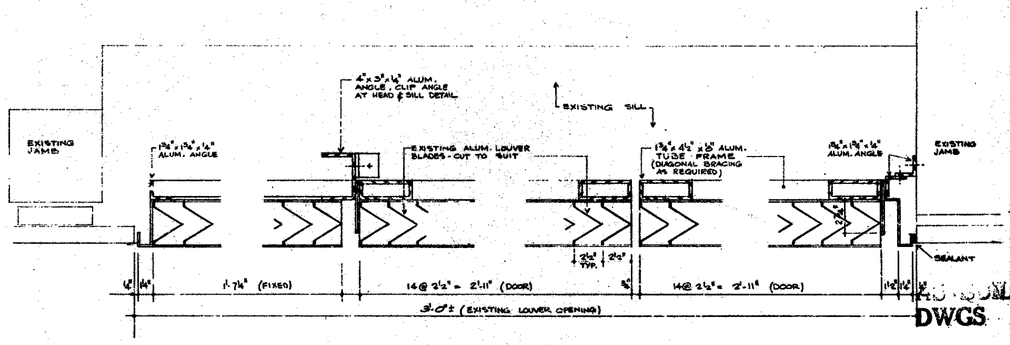
MEZZANINE PLAN
EL. 314'-6½" & 317'-8"



NOTE:
MODIFY EXISTING FIXED LOUVER BLADES FOR A PAIR OF DOORS & A FIXED PANEL & NEW ALUM. ANGLES, FINISH TO MATCH EXISTING.

HANDWARE - EACH DOOR
2 PAIR HINGES — AS REQUIRED x EXTENDED LEAF x US10P
1 LOCKSET — 3091U x 722 KNOB x US10B (CORBIN) (LCN)
1 CLOSER — 4110H - CUSH x BL

A ELEVATION OF LOUVERS AT STAIR PL-3
¾"=1'-0"



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GEN. NOTES
- ALL DIMS. HORIZONTAL ARE FINISH, U.N.O. & A-005
- SEE SHEET A-1 FOR ALL DWG. KEY

LEGEND
- DENOTES EXISTING WALL
- DENOTES NEW WALLS
- DENOTES CONCRETE
- EX. 4" CONCRETE FILLED PAN
- ACOUSTICAL TILE

NO.	DATE	REVISIONS
14	1-16-81	UPDATED KEY REVISION NUMBERS
13	9-26-80	BULLETIN #31
12	4-25-80	BULLETIN #29
11	3-21-80	BULLETIN #28
10	2-8-80	BULLETIN #27
9	2-5-80	BULLETIN #26
8	6-11-79	BULLETIN #20
7	3-26-79	ISSUED FOR CONSTRUCTION
6	1-15-79	ISSUED FOR PERMIT/AUTHORITY HAVING JURISDICTION
5	11-6-78	C.M.U. WALLS REVISED
4	10-11-78	GENERAL REVISION
3	9-28-78	ISSUED FOR BIDDING PURPOSES & PERMITS
2	8-21-78	ISSUED FOR PERMIT/AUTHORITY HAVING JURISDICTION
1	6-1-78	ISSUED FOR PERMIT/CERT. WALL CUTTING & PATCH
		ISSUED FOR STEEL FRAMING ONLY

MEZZANINE FLOOR PLAN REFL. CEIL. PLAN

DRAWING NO. A-3

7-22-78

SCALE 1/8"-1'0"

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LEGEND

- 2'-0" x 4'-0" FLUORESCENT FIXT.
- 1'-0" x 4'-0" FLUORESCENT FIXT.
- FLUORESCENT TUBE (4'-0" OR 2'-0" LENGTHS)
- INCANDESCENT FIXT.
- (9'-0") CEILING HEIGHT
- AIR SUPPLY REGISTER
- RETURN-AIR REGISTER
- SPRINKLER HEAD
- EXIT LIGHT
- ACOUSTIC TILE CEILING (10'-0"x10'-0")

NO.	DATE	REVISIONS
4	5-4-81	COT CLASSROOM - BULLETIN 07
5	4-8-80	BULLETIN N° 79
2.	12-21-79	BULLETIN 1078
1	10-3-79	BULLETIN # 48

SERVICE LEVEL
EL. 214'-0"

AS-BUILT DWGS

SERVICE LEVEL REFLECTED CEILING PLAN

DATE

SCALE 1/8 - 1 0

DRAWING NO. A-301

PROJECT NO. 7080

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LEGEND

NOTES

1. ALL CEILING 8'0" UNLESS OTHERWISE NOTED
2. FOR LIGHTING FIXTURES SEE AND REFER SERIES ELECTRICAL DRAWINGS
3. CEILING IN TELEVISION BOOTH AT 8'0" A.F.F. SEE ELECTRICAL DRAWINGS
4. ALL FIXTURES IN BOOTH TO BE CONTROLLED BY DIMMER LOCATED 5'0" A.F.F.
5. FOR ARRANGEMENT OF FIXTURES IN TALL SHIPS BAR SEE ELECTRICAL DRAWINGS
6. WHERE INDICATED ON PLAN, PROVIDE 1" CLEAR SPACE BETWEEN TOP OF GYP. BD. CEILING AND BOTTOM OF STRUCTURE ABOVE
7. ALL FIXTURES IN BALLROOM TO BE CONTROLLED BY DIMMER LOCATED 5'0" A.F.F.
8. FOR ARRANGEMENT OF FIXTURES IN TALL SHIPS BAR SEE ELECTRICAL DRAWINGS

10	9-30-81	BULLETIN # 94
9	9-18-81	BULLETIN # 88
	8-5-81	BULLETIN # 87
8	6-25-81	SHOP DRAWING BULLETIN #78
7	5-28-81	BULLETIN #81
6	4-6-81	BULLETIN # 79
5	3-5-81	BULLETIN #69
4	2-16-81	BULLETIN #66
3	12-31-80	BULLETIN # 59
2	11-26-80	ISSUED FOR PERMIT, ADDEN
1	10-31-80	BULLETIN #48
NO.	10-3-80	BULLETIN No. 37
	DATE	REVISIONS

AS-BUILT DWGS

FIRST FLOOR REFLECTED CEILING PLAN

DATE: JULY 16, 1979
SCALE: 1/16"=1'-0"
DRAWING NO. A-302
PROJECT NO. 7907

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LEGEND

- 2'-0"x4'-0" FLUORESCENT FIXT.
- 1'-0"x4'-0" FLUORESCENT FIXT.
- FLUORESCENT TUBE (4'-0" OR 8'-0" LENGTHS)
- INCANDESCENT FIXT.
- CEILING HEIGHT
- AIR SUPPLY REGISTER
- RETURN AIR REGISTER
- SPRINKLER HEAD
- EXIT LIGHT
- ACOUSTIC TILE CEILING (12"x12")
- CEILING MTD. SPRINKLER FIRE EXIT SIGNS WALL MTD. CEILING MTD.

1 PLAZA LOUNGE COFFER SCALE: 1½"=1'-0"

2 SCALE: 1½"=1'-0"

3 SCALE: 1½"=1'-0"

4 SCALE: 1½"=1'-0"

NO.	DATE	REVISIONS
9	5-2-80	REVISED WD TWP SPEC. MIST
8	3-5-80	BULLETIN #8 & 7
7	3-28-80	BULLETIN #6
6	4-18-80	BULLETIN # 79
5	3-21-80	BULLETIN #75
4	3-20-80	BULLETIN #73
3	12-27-79	BULLETIN #54
2	12-7-79	MILLWORK ADDENDUM #2
1	11-28-79	MILLWORK ADDENDUM #1
		BULLETIN #42

AS-BUILT DWGS

2nd FLOOR REFLECTED CEILING PLAN

DATE: 8-3-79
SCALE: 1/8"=1'-0"
DRAWING NO. A-303
PROJECT NO. 7907

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3RD FLOOR
EL. +35'

LEGEND

- RECESSED FLUORESCENT FIXT.
- SURFACE FLUORESCENT FIXT.
- FLUORESCENT TUBE (4' OR 8' AS SHOWN)
- INCANDESCENT FIXT.
- CEILING HEIGHT
- AIR SUPPLY REGISTER
- RETURN AIR REGISTER
- SPEAKER GRILL
- EXIT LIGHT
- ACOUSTICAL CEILING (GYP. BD.)
- CEILING MOUNTED SPRINKLER
- CEILING MOUNTED FIRE DETECTOR

5 BLIND POCKET 3"=1'-0"

4 ARCHITECTURAL SLOT 3"=1'-0"

3 PARTITION TRACK, LIGHTING TRACK & ARCH. SLOT 3"=1'-0"

2 FIXTURE HOUSING 1½"=1'-0"

1 FIXTURE HOUSING 1½"=1'-0"

NO.	DATE	REVISIONS
3	5-28-80	BULLETIN #81
2	4-8-80	BULLETIN #79
1	3-4-80	BULLETIN #78
		BULLETIN #42

AS-BUILT DWGS

3RD FLOOR REFL CEIL PLAN

DATE: JULY 23, '79
SCALE: 1/8"=1'-0"
DRAWING NO. A-304
PROJECT NO. 3007

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GENERAL NOTES FOR THIS AREA:

1. E.W. CLG. - USG "RADIUS CLG. SYSTEM" SUSP. SYSTEM PLACED NON-COMBUSTIBLE CLG. CHANNELS SECURELY TO STRUCTURE AT 4'-0" O.C. MAX. SPACING. SUSP. WIRES SHALL BE #12 GA. AT 4'-0" O.C. MAX. SPACING. SEE DET. 2/A-305 FOR SUSPENSION SYSTEM. SEE DET. 1/A-305 FOR FIRE RATING.
2. ALL LIGHT FIXTURES & SPRINKLERS TO BE RECESSED. THERMAPANE LIGHTING FIXTURE PROTECTION SHIELDS AS MANUFACTURED BY WATER SYSTEMS APPROX. AS SHOWN. SEE BELOW.
3. ALL GYP. BOARD WALLS HAVE THE FOLLOWING FIRE RATING:
   - 1 HR. FIRE RATING - NON-COMBUSTIBLE CLG.
   - 2 HR. FIRE RATING - NON-COMBUSTIBLE CLG.
4. ACCESS PANELS ARE INDICATED AT APPROX. LOCATIONS. COORDINATE ACTUAL LOCATION W/ ENGINEERS' SHOP DRAWINGS.
5. ALL WALLS TO UNDERSIDE OF CONCRETE, EXCEPT SHAFT WALLS.

LEGEND

- 2'-0"x4'-0" FLUORESCENT FIXT.
- 1'-0"x4'-0" FLUORESCENT FIXT.
- FLUORESCENT TUBE (4'-0" OR 8'-0" LENGTHS)
- INCANDESCENT FIXT.
- (9'-6") CEILING HEIGHT
- AIR SUPPLY REGISTER
- RETURN-AIR REGISTER
- SPRINKLER HEAD
- EXIT LIGHT
- ACOUSTIC TILE CEILING (2'-0"x4'-0")
- SPEAKERS
- 12"x12" ACCESS PANEL WHERE LOCATED IS NOT PERMANENT IN FIELD
- SHADE BLIND WALL ASSEMBLY TO STRUCTURE ABOVE
- 2 HR. EXTERIOR WALLS TO UNDERSIDE OF STR. SLAB
- WALLS TO UNDERSIDE OF NON-COMBUSTIBLE CLG. WHERE PAINTED AS FIRE WALL TYPES
- SEE FIRE RATED CEILING

MECH.

MECH.

2'x4' CER. TILE

22 ND CEILING PLAN
EL. + 547'-0"

(2) U.S.G. SERVICE CLG. DET-WALL TO UNDERSIDE OF STRUCTURE
TYPICAL

(1) U.S.G SERVICE CEILING DET.
2 HR. FIRE RATED ASSEMBLY

THERMAPANE FIXTURE PROTECTION
BOX ASSEMBLY
(FOR SPEC FOR SEAM MADE WELDED CLOSE FROM 20GA LOCK AT SOUTH ROBERT BEAM MARKING BOXES & SPACERS)

AS-BUILT DWGS

NO.	DATE	REVISIONS
1	12-17-80	REVISED CLGS. HOUSE DRAWING E 100

22ND FLOOR REFLECTED CEILING PLAN

DATE 12/26/79
SCALE 1/8"=1'-0"
DRAWING NO. A-305
PROJECT NO. 3482

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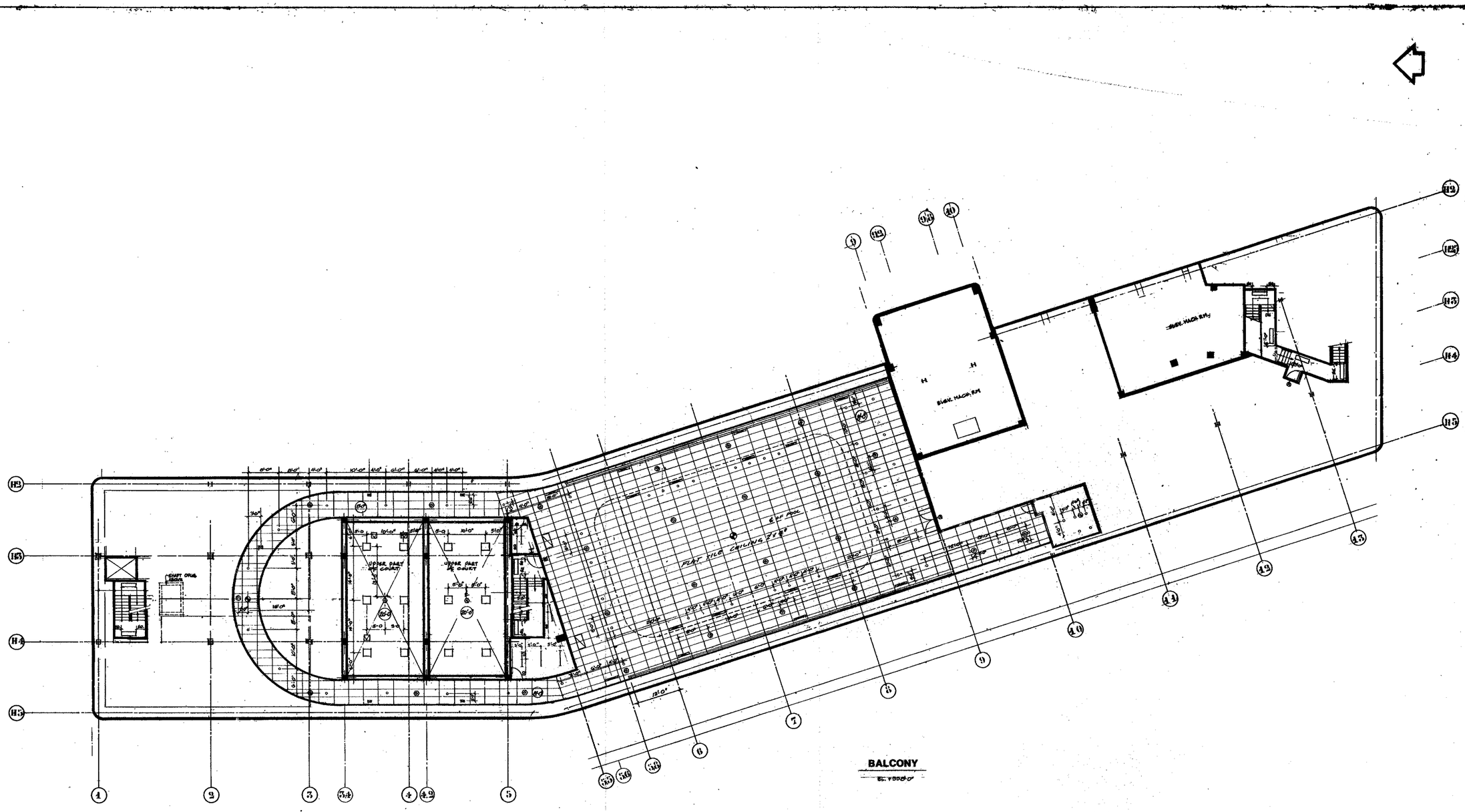

LEGEND

- 2'-0"x4'-0" FLUORESCENT FIXT.
- 1'-0"x4'-0" FLUORESCENT FIXT.
- FLUORESCENT SURF. MTD. STRIP LUMINAIRE
- INCANDESCENT FIXT.
- CEILING DIFFUSER
- AIR SUPPLY REGISTER
- RETURN AIR REGISTER
- SPRINKLER HEAD
- EXIT LIGHT
- ACOUSTIC TILE CEILING (2'-0"x4'-0")
- SPEAKER
- DRAFT ACCESS DOOR
- 2 HR. RATED PARTITION TO UNDERSIDE OF ASSEMBLY - UNLESS OTHERWISE NOTED.
- SEE WALL TYPES SCH. DWG. A-2
- GYP. FIRE RATED CEILING

NO.	DATE	REVISIONS
12	12-17-80	REVISE GLASS WIND. GUARDS & RAIL

AS-BUILT DWGS

BALCONY REFLECTED CEILING PLAN

DATE 12/26/79	DRAWING NO. A306
SCALE 1/8"-1'-0"	PROJECT NO. 1400

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GENERAL NOTES:
1. ALL WALLS TO BE DIMENSIONED TO FACE OF BOARD EXCEPT AS NOTED
2. ALL INTERIOR PARTITIONS TO BE SPACED TO DIMENSIONS AS SHOWN
3. SEE DOOR SCHEDULE FOR DOOR, FRAME & HARDWARE
4. FOR EXPANSION JOINT DETAILS SEE D-4 SERIES

LEGEND

- MECHANICAL AIR
- (W) LUTCHMAN'S KEY

17	1-16-92	LUTCHMAN'S KEY SYSTEM ADDED
16	4-24-91	BULLETIN #5
15	2-28-91	BULLETIN #4
14	1-17-91	BULLETIN #3
13	11-7-90	BULLETIN #2
12	10-3-90	BULLETIN #1
11	8-31-90	BULLETIN #3
10	6-11-90	BULLETIN #2
9	4-27-90	BULLETIN #1
8	3-9-90	ISSUED FOR CONSTRUCTION
7	2-6-90	ADDENDUM #3 (CANCELLED)
6	1-3-90	ISSUED FOR PERMIT REVISIONS
5	10-11-89	GENERAL REVISIONS
4	9-25-89	ISSUED FOR PERMIT, FINAL & ENGINEERS ADDENDUM
3	8-21-89	ADDED SOUTH ELEVATOR, REVISED
2	8-2-89	REVISED 2ND FLOOR PLAN & WALLS, ENGINEERS ADDENDUM #2
1	7-24-89	ISSUED FOR SITE, STEEL, FOUNDATIONS & EARLY EXCAVATION

ISSUED FOR WITHDRAWAL ONLY.

NO.	DATE	REVISIONS

2nd FLOOR PLAN

DATE 6-23-89
SCALE 1/8" = 1'-0"
DRAWING NO. A-2

AS-BUILT DWGS

2nd FLOOR PLAN

2nd FLOOR PLAN
SCALE: 1/8"=1'-0"

2 TILE & REFRIG. (NO RECESSED FLOOR)
3"=1'-0"

3 RAILING DETAIL
SCALE: 1"=1'-0"

4 TILE & REFRIGERATOR RECESS
3"=1'-0"

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ASSUMED 40°-0"

1. ALL ELEVATIONS TO BE ± 0'-0" AND SHALL REFER TO WORKPOINTS AT HEAD FRAME, UNLESS NOTED
2. SEE DOOR SCHEDULES FOR DOOR A-601 & A-602

(11) RIDGE 1/4"=1'-0"

(10) EAVE COPPER SHOP SKYLIGHT 1/4"=1'-0"

(9) GUTTER COPPER SHOP SKYLIGHT 1/4"=1'-0"

(8) GABLE COPPER SHOP SKYLIGHT 1/4"=1'-0"

(1) 3RD FLOOR PLAN 1/16"=1'-0"

(14) MOVABLE PARTITION/CORRIDOR WALL DETAIL (TYP.)

(13) MOVABLE PART. DET. 1/2"=1'-0"

(12) MOVABLE PART. DET. 1/2"=1'-0"

(11) MOVABLE PART. DET. 1/2"=1'-0"

(10) MOVABLE PART. DET. 1/2"=1'-0"

(9) MOVABLE PART. DET. 1/2"=1'-0"

(8) MOVABLE PART. DET. 1/2"=1'-0"

(2) W.P. @ STEEL COLUMNS 3/4"=1'-0"

(6) W.P. @ C.T. (CORR. SIDE) 3/4"=1'-0"

(6A) W.P. @ C.T. (CORR. SIDE) 3/4"=1'-0"

(5) MECH. RM. W.P. (CORR. SIDE) 3/4"=1'-0"

(5A) WITH PARTITION WALL

(4) MECH. RM. W.P. 3/4"=1'-0"

(4A) ALTERNATE LOCATION OF PARTITION WALL

(4B) 3/4"=1'-0"

(3) W.P. @ C.T. 3/4"=1'-0"

(3A) W.P. @ C.T. 3/4"=1'-0"

(7) WALL BETWEEN JANITOR & MECH. RM. 3/4"=1'-0"

AS BUILT DWGS

LEGEND

WATCHMAN'S KEY (W)

NO.	DATE	REVISIONS
17	11-9-78	WATCHMAN'S KEY STATION ADDED
16	10-25-78	BULLETIN #31
15	10-6-78	BULLETIN #29
14	9-5-78	BULLETIN #25
13	10-3-78	BULLETIN #26
12	8-31-78	BULLETIN #22
11	6-1-78	BULLETIN # 20
10	12-21-78	BULLETIN # 28
9	5-2-78	ISSUED FOR CONSTRUCTION
8	4-3-78	WOOD DUCT #5 (D-100W) ADDED
7	4-3-78	REVISED SCH. TO F.T. UNIVERSITY PROJECT
6	2-27-78	ISSUED FOR ADDENDUM #2 SCOPE OF WORK TO 20-24 FLOORS
5	2-10-78	GENERAL CORRECTIONS
4	1-23-78	REVISED ROOF SLOPE, PARAPET & WINDWASHER DETAILS
3	1-5-78	ADDENDUM #1
2	12-6-77	ISSUED FOR ADDENDUM #1
1	7-14-78	ISSUED FOR STEEL PAN STAIR BIDDING ONLY

SCALE 1/8"=1'-0"

3RD FLOOR PLAN

DATE 6-23-78

DRAWING NO. A-5

PROJECT NO. 1005

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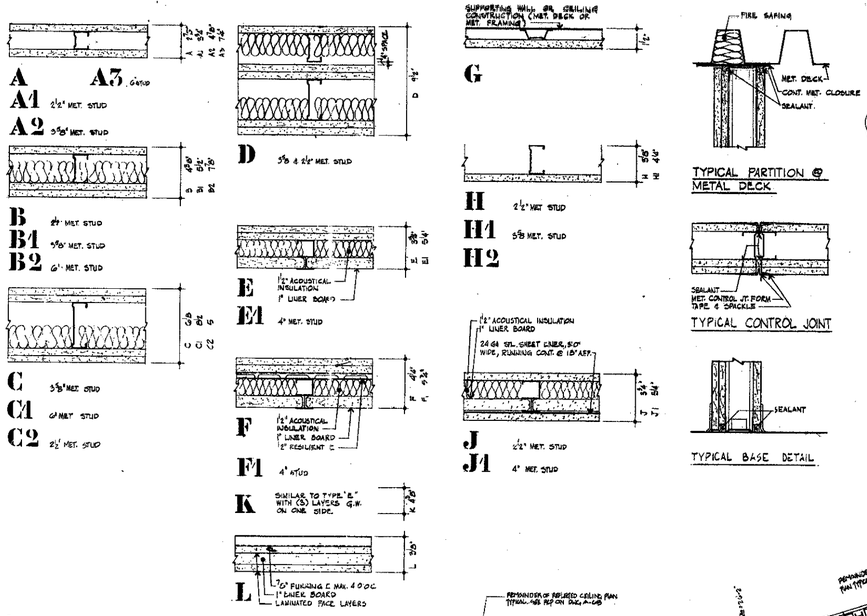
GYPSUM DRYWALL DETAILS

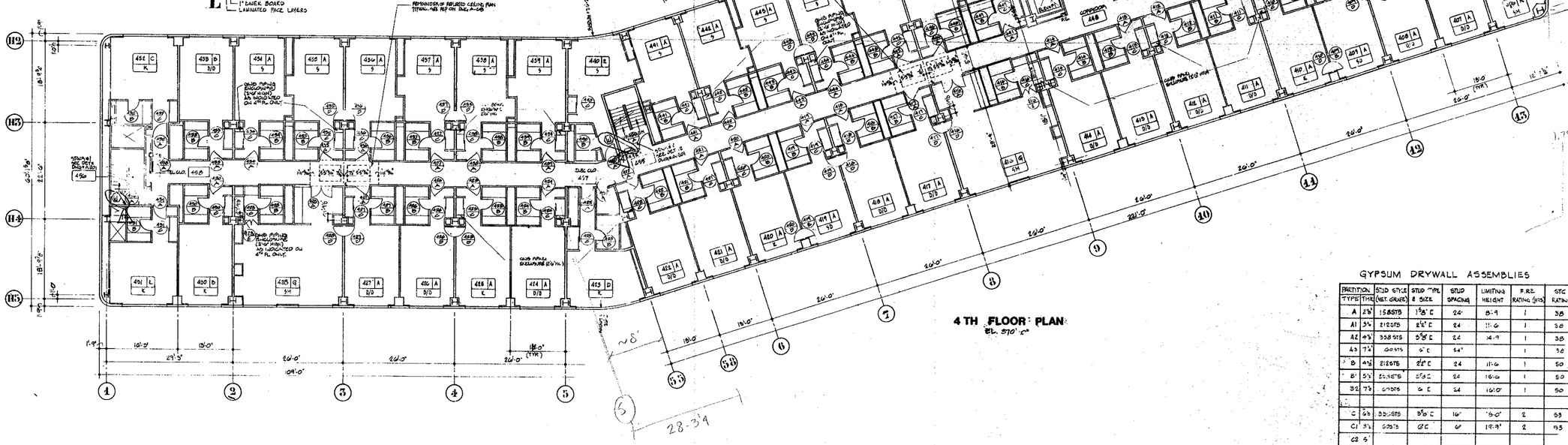
ALL GYPSUM DRYWALL TO BE 5/8" THICK UNLESS OTHERWISE NOTED SCALE: 3"=1'-0"



TYPICAL PARTITION @ METAL DECK

TYPICAL CONTROL JOINT

TYPICAL BASE DETAIL


REMAINDER OF RECESSED CEILING PAN (TYPICAL) SEE REF ON DWG A-108
SOFFIT
SLOPE ROOF TO DRAIN (3/4" MIN.) SEE DETAIL ON DWG A-108

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GENERAL NOTES:
1. FOR LARGE SCALE DIMENSIONS SEE DWG. A-201, 202 & 203
2. FOR TYPICAL DRYWALL ASSEMBLIES SEE DWG. A-5A
3. FOR TYPICAL DOOR DETAILS SEE DWG. A-101 THRU A-105
4. FOR DOOR SCHEDULES AND DWGS. A-514 & A-515

LEGEND

- GHOST WORK CONSTRUCTION TYPE SEE DWGS A-201, 202 & 203
- ROOM NUMBER
- ROOM DESIGNATION SEE CODE, DWG. A-0A
- W2 WALL MOUNTED ILLUMINATED EXIT SIGN CENTERED 7'1" A.F.F.
- C2 CEILING MOUNTED ILLUMINATED EXIT SIGN
- CEILING MOUNTED SPEAKERS
- MAID'S CALL LIGHT
- INCANDESCENT LIGHT FIXTURE
- (W) WAITMAN'S KEY

5TH FLOOR PLAN
EL. 379'-6"

REFLECTED CEILING PLAN
FLOORS 4-21
FOR VARIATIONS ON FLOORS 4,5,20,21
SEE FLOOR PLANS ON DWG. A-6A, A-6B
A-7A/D, A-7E

COFFER W/ LIGHT FIXTURE
1/2"=1'-0"

NO.	DATE	REVISIONS
13	1-19-81	WAITMAN'S KEY STATUS ADDED
12	4-18-80	BULLETIN NO 79
11	2-27-80	BULLETIN #68
10	10-3-79	BULLETIN #48
9	8-2-79	BULLETIN #33: CLOSET W-FILD DOORS TO SLIDING DOOR
8	6-11-79	BULLETIN #30
7	3-28-79	ISSUED FOR CONSTRUCTION
6	1-19-79	ISSUED FOR PERMIT REVIEW
5	12-4-78	REVISED TYP. FLOOR PLAN FOR ROOMS 502, 504, 506
4	10-11-78	GENERAL REVISIONS
3	9-28-78	ISSUED FOR CHECK PRINTS OF HONEYWELL BUILDING SYSTEM
2	8-11-78	ISSUED FOR WAITMAN'S BIDDING ONLY
1	8-2-78	ISSUED FOR STRUCTURAL BIDDING ONLY
	7-24-78	ISSUED FOR STEEL PLAN ONLY BIDDING ONLY

AS BUILT DWGS
5TH FLOOR PLAN
& TYP. REFL. CLG. PLAN

DATE 7-24-78
SCALE 1/8"-1'-0"
DRAWING NO. A-6B
PROJECT NO. 1497

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345 PARK AVENUE, NEW YORK

GENERAL NOTES:
1. FOR LARGE SCALE PLANS OF GUEST ROOMS SEE DWGS A-306, 307 & 308
2. FOR GYPSUM DRYWALL ASSEMBLIES SEE DWGS A-10A
3. FOR WINDOW WALL DETAILS SEE DWGS A-10 THRU A-10D
4. FOR DOOR SCHEDULES SEE DWGS A-21 & A-21E

LEGEND
- GUEST ROOM CONSTRUCTION TYPE SEE DWGS A-306, 307 & 308
- ROOM NUMBERS
- ROOM DESIGNATION FOR CODE, SEE DWG. A-6A
- (W) WERCHMAN'S KEY

6TH THRU 19TH FLOOR PLAN
(7'-2 STONE CHANN)

MGA SUITE
6TH FLOOR PART PLAN
(SEE CONTINUATION PLAN ABOVE)

AS-BUILT DWGS

NO.	DATE	REVISIONS
11	1-14-80	WERCHMAN'S KEY OFFICES ADDED
10	4-18-80	BULLETIN #37
9	8-5-79	BULLETIN #25 - 8 & 9 CLOSET DWGS TO GLOBAL SPACE
8	6-11-79	BULLETIN #30
7	3-12-79	ISSUED FOR CONSTRUCTION
6	1-19-79	ISSUED FOR PORT AUTHORITY REVIEW
5	10-1-78	GENERAL REVISION
4	9-28-78	REVISED SOIL PIPING, PLUMBING & SPRINKLER SHEETING ONLY
3	8-21-78	REVISED SOIL PLUMBING SHEETING ONLY
2	8-2-78	ISSUED FOR GYPSUM DRYWALL SHEETING ONLY
1	7-24-78	ISSUED FOR STEEL AND SLAB SHEETING ONLY
	6-23-78	ISSUED FOR WINDOW WALL SHEETING ONLY

6TH THRU 19TH FLOOR PLANS

DATE 6-23-78
DRAWING NO. A 6C
SCALE 1/8"-1'-0"
PROJECT NO. 1488

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WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

GENERAL NOTES:
1. FOR LARGE SCALE DRAWINGS OF GUEST ROOMS SEE DWGS # A-300, 301 & 310
2. FOR BATHUNIT DETAILS, ASSEMBLIES AND FINISHES SEE DWG # A-401
3. FOR WINDOW WALL DETAILS, SEE DWGS # A-101 THRU A-104
4. FOR SHAFT ACCESSES SEE DWGS # A-201 & A-202

LEGEND
- GUEST ROOM CONSTRUCTION TYPES SEE DWGS # A-300, 301 & 310
- ROOM NUMBER / ROOM DESIGNATION FOR CODE, SEE DWG A-0A
- ◇ - THERMOSTAT
- Ⓤ - ULTRABATH
- △ - BIDET
- Ⓦ - WASHMANS KEY

20TH FLOOR PLAN
EL 522'-0"

NO.	DATE	REVISIONS
9	1-11-81	WASHMANS KEY STATIONS ADDED
8	8-3-79	BULLETIN #21 : SHEET CLOSET DOORS TO HOOKS DOORS
7	6-11-79	BULLETIN # 30
6	3-12-79	ISSUED FOR CONSTRUCTION
5	1-15-79	ISSUED FOR PORT AUTHORITY REVIEW
4	10-11-78	GENERAL REVISION
3	9-25-78	ISSUED FOR DOOR, FRAME & HARDWARE BIDDING ONLY
2	8-21-78	ISSUED FOR MASONRY BIDDING ONLY
1	8-2-78	ISSUED FOR GYPSUM PARTITIONS BIDDING ONLY
	7-24-78	ISSUED FOR STEEL PAN STAIR BIDDING ONLY

DWGS

20TH FLOOR PLAN

DATE 7-24-78
SCALE 1/8"-1'-0"
DRAWING NO. A-6D
PROJECT NO. 1487

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GENERAL NOTES

1. FOR LARGE SCALE DRAWINGS OF SHEET ROOMS SEE DWGS A-206, 207 & 220
2. FOR BATHROOM PARTITIONAL ASSEMBLIES SEE DWG A-604
3. FOR MOVABLE WALL DETAILS SEE DWG # A-401 THRU A-404
4. FOR DOOR SCHEDULES SEE DWGS A-62 & A-625

LEGEND

- ROOM CONSTRUCTION TYPE SEE DWGS # A-206, 207, & 220
- ROOM NUMBERS
- ROOM DESIGNATION PER CODE, SEE DWG. A-64
- ⓣ - THERMOSTAT
- Ⓤ - ULTRASONIC
- Ⓓ - DOOR
- Ⓚ - KEYSWITCH
- (W) - WATCHMAN'S KEY

15" THICK 1LB. DENSITY BLANKET INSULATION IN CEILING

REMAINDER OF REFLECTED CEILING PLAN TYPICAL - SEE 6/F ON DWG. A-06

21 ST FLOOR PLAN
EL. 581'-6"

NO.	DATE	REVISIONS
10	1-16-79	WORKMANS KEY STATIONS ADDED
8	8-3-79	BULLETIN #12 CEILING SHAFT ADJUST points to SUPER DWGS
⚠	6-11-79	BULLETIN #10
⚠	5-12-79	ISSUED FOR CONSTRUCTION
5	1-17-79	ISSUED FOR VOID AUTOM. PARKS
4	10-11-78	GENERAL REVISION
3	9-25-78	ISSUED FOR DOOR, FRAME & HARDWARE, BIDDING ONLY
2	8-21-78	ISSUED FOR MECHANICAL SUBCONTRACT
1	6-2-78	ISSUED FOR CITY-WIDE DRYWALL BIDDING ONLY
	7-24-78	ISSUED FOR CITY-WIDE DRYWALL BIDDING ONLY

DWGS

21ST FLOOR PLAN

DATE 7-24-78
SCALE 1/8"-1'-0"
DRAWING # A-6E
PROJECT NO. 1487

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DOOR SCHEDULE (NEW DOORS)

DOOR NO.	DOOR MAT.	DOOR TYPE	DOOR THK.	OPNG WIDTH	OPNG HEIGHT	FRAME MAT.	FRAME TYPE	FRAME MATL	RAB.	FIRE RATING HR MIN.	STC	HARDWARE SET NO.	REMARKS
22218, 22217, 22A19, 22A18, 22A17, 22A16, 22A15, 22A14	H.M.	A-3	1¾	2'-6"	6'-10"	H.M.	K.D.	—	—	1½	—	VARIES	SEE DWG. A-9 FOR ADDITIONAL DOOR SCHEDULE
22A13, 22A12	H.M.	A-1	1¾	3'-0"	7'-0½"	H.M.	S.A.	—	S-1	1½	—	98	1½" DEEP FRAME, 14 GA. CONC. FILLED AT JAMBS @ 4'-0" o.c.
22A6, 22A7	ALUM. GL.	A1	1¾	2'-6"	7'-0"	ALUM.	K.D.	—	—	—	—	8	1" INSULATING GLASS, STC 30 (NOMINAL) 1" TEMPERED GLASS, STC 27 (NOMINAL)
22A3, 22A4, 22A5 (ONLY)	H.M.	A1	1¾	2'-6"	7'-0"	H.M.	S.A.	—	S-6	—	—	8	INCL. IN SAUNA PACKAGE
22A11, 22A10	H.M.	A1	1¾	3'-0"	7'-0"	H.M.	S.A.	—	S-6	—	—	8	PAINTED FINISH
22A2, 22A8	AL. CLAD	A-2	1¾	2'-6"	8'-0"	—	—	—	—	—	—	9	SEE A-9 FOR ADDITIONAL DOOR SCHEDULE INFORMATION
22A1, 22A21, 22A23	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	S.A.	—	S-4	1½	—	9*	*FINISHED FINISH INCLUDED IN SHOWER PACKAGE
22A9	WD. FLUSH	A-9	1¾"	10'-6"	7'-0½"	H.M.	1A	—	GL.	20MIN	RT.	47A	SEE ANS. #4 ELV. 17 & 4/A9
22A15	"	A-9	1¾	10'-1½"	7'-0½"	H.M.	1A	—	SL.	20MIN	RT.	47A	SEE DWG. A-6 ELV. 17 #9
22A22	H.M.	A1	1¾	3'-0"	7'-0½"	H.M.	S.A.	—	S-2	1½	—	98	1½" DEEP, 14 GA. CONC. FILLED
22A20	H.M.	A1	1¾	2'-6"	7'-0½"	H.M.	S.A.	—	S-6	1½	—	98	
22A24	ALUM.	X-1	1¾	2'-0"	7'-0"	ALUM.	K.D.	—	S-2	—	—	8	SEE ALSO DWG. A-9 FOR ADDITIONAL SHELVES & USES

22nd FLOOR														
2201A	H.M.	A1	1¾	3'-0"	7'-0"	H.M.	J1	6⅝	4'-2⅜	1½	12	125		
2201AA	H.M.	A1	1¾	3'-0"	7'-0"	H.M.	J1	6⅝	4'-2⅜	1½	12	125		
2201A/B	H.M.	A1	1¾	3'-0"	7'-0"	H.M.	J1	6⅝	4'-2⅜	1½	12	147		
2202A 2202B	H.M.	A1	1¾	3'-0"	7'-6½"	H.M.	J1	6⅝	5'-1"	1½	12	126	SEE NOTE 14 ON SHEET A-9	
2203A 2204A	NO DOOR, FRAME, OPENING			8'-0"	8'-1"	H.M.	4A-1B	—	4'-3⅜	—	—	126	SEE DWG. A-9	
2205A 2205B	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	5⅜	5'-4"	—	8	126		
2210A	H.M.	A1	1¾	3'-0"	7'-0½"	H.M.	J1	4⅞	5'-4"	1½	12	153		
2211A	H.M.	A1	1¾	3'-0"	7'-0½"	H.M.	J1	4⅞	—	—	12	151		
2212A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	—	—	12	126		
2221A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	—	—	41	150		
2223A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	12	129		
2230A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	8	126		
2232A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	8	126		
2234A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	8	130		
2239A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	8	130		
2250A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	4⅞	5'-4"	1½	8	130		
BALCONY LEVEL														
B2	H.M.	A1	1¾	3'-0"	8'-10½"	H.M.	J1	3⅝	5'-4"	—	8	125		
B3A	H.M.	A-1B	1¾	3'-0"	8'-10½"	H.M.	J1	3⅝	5'-4"	1½	33	130		
B3D	H.M.	A1	1¾	3'-0"	8'-10½"	H.M.	J1	5⅛	6'-0"	1½	8	128		
B4A	H.M.	A1	1¾	3'-0"	8'-10½"	H.M.	J1	5⅛	6'-5"	—	8	129		
B5A B6A	H.M.	A1	1¾	3'-0"	7'-10½"	H.M.	J1	3⅝	5'-5"	1½	41	102		
B-35D (TO ROOM #33)	H.M.	A1	1¾	3'-0"	8'-10½"	H.M.	J1	3⅝	5'-5"	1½	5	102		

NOTES: ALL HARDWARE 652 FINISH UNLESS NOTED OTHERWISE

DOOR BUILDING CONTRACT DOORS TO BE UTILIZED

DOOR TYPES

1A SLIDING DOOR SEC. 3"=1'-0"

3A DOOR SEC. 3"=1'-0"

4A GLASS DOOR SEC.

2A TYP FIRE RATED ACCESS DOOR 3"=1'-0" (HEAD & SILL SIMILAR)

A-1 A-1B A-2 X-1 A-3 A-4

22 ND FLOOR PLAN

EL. + 547'-6"

POOL GUTTER DETAIL 6

3" = 1'-0"

SECTION 5

SECTION 4

3/4" = 1'-0"

LAUNDRY CHUTE DETAILS

3/4" = 1'-0"

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345 PARK AVENUE, NEW YORK

SEE June FOR ITEMS NOT INCLUDED HERE UNDER

LEGEND

MECHANICAL ROOM

AREA OF CONC. FILL DEPTH VARIES VERIFY IN FIELD

SEE DWG. A-2 & A-9 FOR WALL TYPES

WATERPROOFING MAT

NO.	DATE	REVISIONS
10	1-10-91	MARCH-MAY'S KEY SECTIONS ADDED
9	8/7/90	REVISED WALL TYPES IN SOUTH # 100
8	5-2-79	REVISED PER CONSTRUCTION
7	1-15-79	REVISED PER PORT AUTHORITY REVIEW
6	10-11-78	GENERAL REVISION
5	9-25-78	ISSUED FOR DOOR FRAME & HARDWARE BIDDING ONLY
4	8-8-78	ISSUED FOR MECHANICAL BIDDING ONLY
3	8-2-78	ISSUED FOR STRUCTURAL DEPT. WALL BIDDING ONLY
2	7-24-78	REVISED AS PER PORT AUTHORITY COMMENTS ONLY
1	6-6-78	ISSUED FOR CURTAIN WALL BIDDING ONLY
NO.	DATE	REVISIONS

22 ND FLOOR PLAN

DATE 5-25-78
DRAWING NO. A-8
SCALE 1/8" = 1'-0"
PROJECT NO. 1487

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G.E.N. NOTE
1 SEE ROOF SCHEDULE ON A-46

2 CRATING IN MECH SPACE 2-3 TO MOVE AT SIDE OF WELL FOR LARGER OF TWO. SEE DWG. A-46

(W) WATCHMAN'S KEY.

SECTION 5
1/2" = 1'-0"

4 DET. AT BALCONY FASCIA

3 60° SHIP'S LADDER
1/2"=1'-0"

1 STEEL RAIL
1/2"=1'-0"

2 GRATING
1/2"=1'-0"

NO.	DATE	REVISIONS
10	1-19-81	ADDENDUM #17 GENERAL ADDED
9	12-13-80	HEALTH CLUB ISSUE BULLETIN # 100
8	5-2-79	BULLETIN #25
7	9-12-79	ISSUED FOR CONSTRUCTION
6	1-19-79	ISSUED FOR AUTHORITY SIGNS
5	10-1-78	GENERAL REVISION
4	7-25-78	ISSUED FOR VERIF. THICKNESS OF GYPSUM CONCRETE SHAFTS
3	6-21-78	ISSUED FOR WINDOW SUBCONTRACT
2	5-5-78	ISSUED FOR GYPSUM BRD. WALL SIDING ONLY
1	7-24-78	ISSUED FOR STEEL PAN STAIR BIDDING ONLY
		ISSUED FOR WINDOW WALL SUBCONTRACT ONLY

BALCONY
ROOF PLAN

DATE 6-28-78
DRAWING NO. A-9
SCALE 1/8"-1'-0"
PROJECT NO.

DWGS

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VISTA HOTEL DWGS (ARCHITECTURAL)

A-1A
A-1
A-2
A-3
A-4
A-5
A-6A
A-6B
A-6C
A-6D
A-6E
A-8
A-9
A-10
A-11
A-12
A-13
A-14
A-101
A-102
A-103
A-104
A-105
A-106
A-107

A-201
A-202
A-203
A-204
A-204A
A-204B
A-205
A-206
A-207
A-208
A-209
A-210
A-211
A-212
A-213
A-215
A-216
A-217
A-227
A-228
A-229
A-230
A-301
A-302
A-303

A-304
A-305
A-306
LA-1A
LA-1C
LA-2A
LA-2B
LA-2C
LA-4C
LA-5
LA-4B
LA-4A
A-217

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SERVICE LEVEL - PURCHASING
(RMS. B-144 B-60)

SERVICE LEVEL - TIRE KEEPER
(RM. B-61)

SERVICE LEVEL - LAUNDRY OFFICE
(RM. B-60)

SERVICE LEVEL - ENGINEERING
(RMS. B-64 B-66)

FIRST FLOOR - FRONT OFFICE & RESERVATIONS
(RMS. 150-159)

FIRST FLOOR - OFFICE & SWITCHBOARD
(RMS. 103 & 104)

SERVICE LEVEL - PERSONNEL & ACCOUNTING
(RMS. B-51 & B-97)

SECOND FLOOR - BUSINESS CENTER & PUBLIC RELATIONS
(RMS. 210-218)

SECOND FLOOR - EXECUTIVE OFFICES
(RMS. 256-260)

THIRD FLOOR - SALES
(RMS. 308-315)

SERVICE LEVEL - SWITCH & SECURITY
(RMS. B-51 & B-97)

SERVICE LEVEL - HOUSE-KEEPING
(RMS. B-67)

SECOND FLOOR - CHEF
(RM. 206)

SECOND FLOOR - FOOD & BEVERAGE
CONTROL (RM. 204A)

SECOND FLOOR - ORDER TAKER
(RM. 206-A)

SERVICE LEVEL - SECURITY DESK
(RM. B-6)

NOTE: P-38 GYPSUM CEILING PAINT
P-101 GENERAL WALL PAINT

REVISED:
ADD G-1, G-2 TO CLERK/TYPIST AREA
ADD DH-5 CODE TO SALES AREA
CHANGED P-155 TO P-101 AS GENERAL PAINT

W.T.C. ADDENDUM BULLETIN #81
REVISED 30 MAY 1980
REVISED 24 FEB 1980
REVISED 17 JAN 1980
REVISED 8 JAN 1980
REVISED: 28 DEC. 1979
REVISED: 20 DEC. 1979
REVISED: 6 DEC. 1979
REVISED: 7 NOV. 1979

NO.	DATE	REVISIONS

FURNITURE LAYOUT - ADMINISTRATIVE AREAS

DATE: 26 OCT. 1979
SCALE: 1/4"-1'-0"
DRAWING NO.: LA-1A
PROJECT NO. 7697

LA-1A

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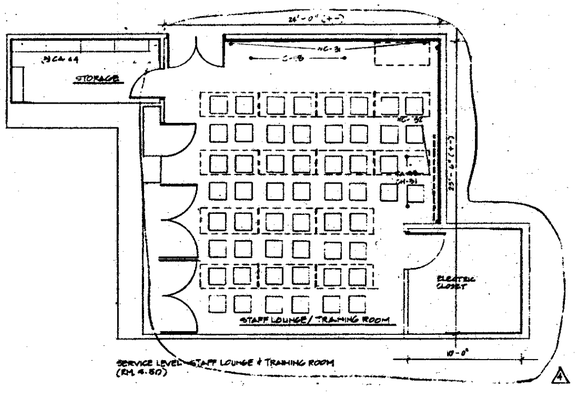
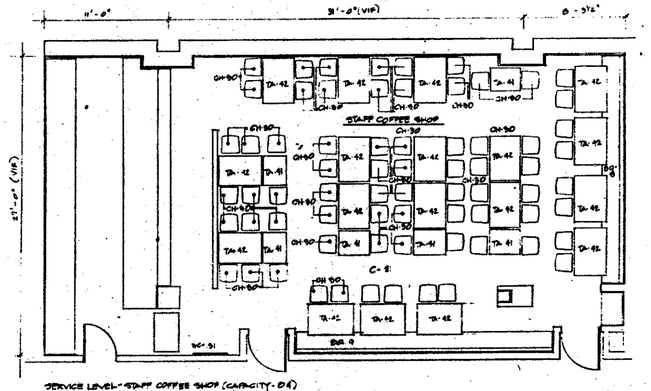


SERVICE LEVEL-STAFF LOUNGE & TRAINING ROOM
(RM. 6.50)



SERVICE LEVEL-STAFF COFFEE SHOP (CAPACITY-84)
(RM. 6.49)

NOTE: P-36 GENERAL CEILING PAINT
P-55 GENERAL WALL PAINT.

REVISED
CHANGES IN ITEM COUNTS
TA-36 now TA-41
TA-35 now TA-42

STAFF LOUNGE & COFFEE SHOP
CEILING HT. 8'-0"

2 | 5 FEB 80 | BULLETIN #21
6 JAN 1980 - REVISED
28 DEC 1979 - REVISED
6 DEC 1979 - REVISED

NO.	DATE	REVISIONS

FURNITURE LAYOUT-
EMPLOYEE AREAS

DATE	DRAWING NO.
6 DEC, 1979	LA-1C
SCALE 1/4"=1'-0"	PROJECT NO. 5402

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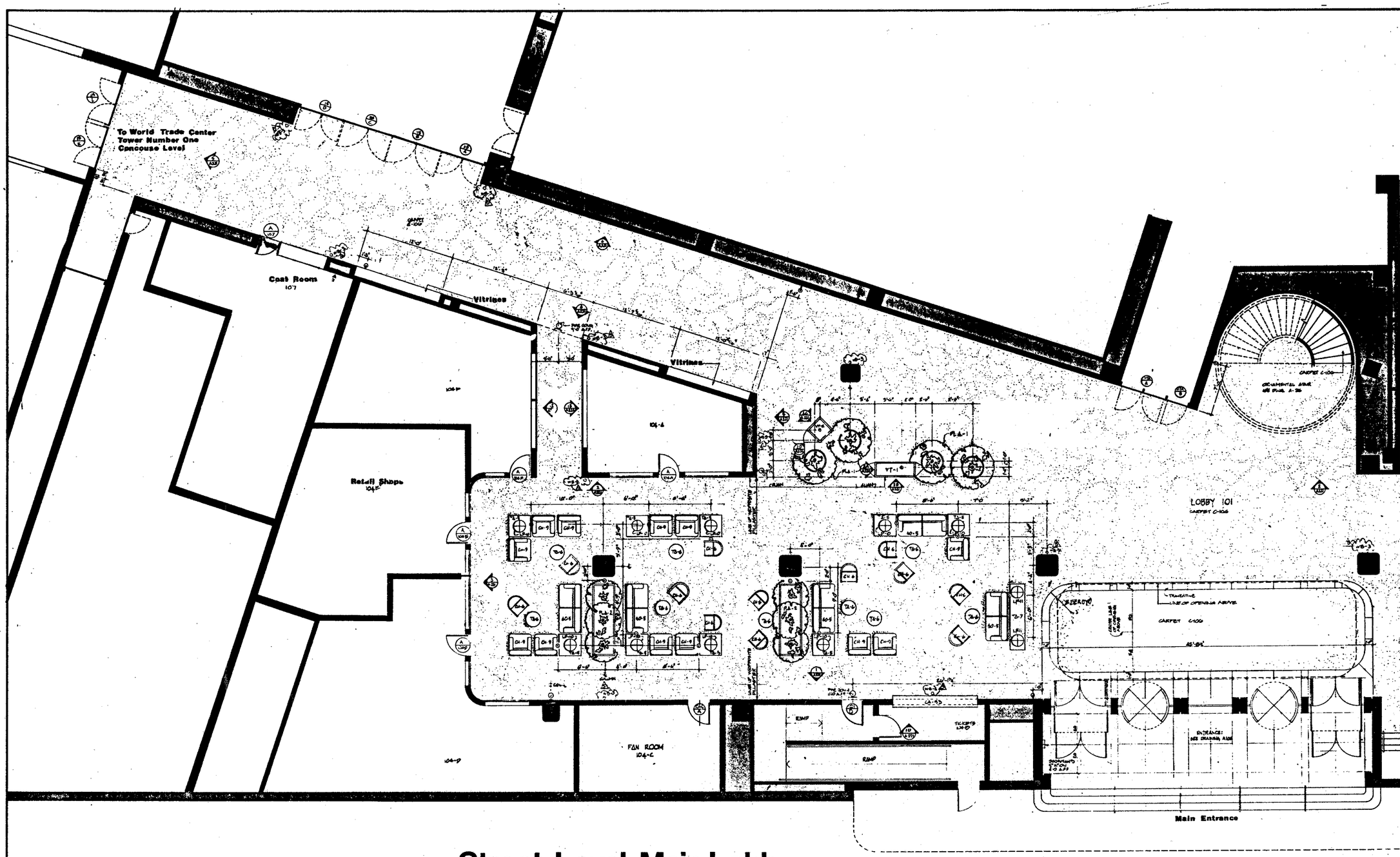

Street Level · Main Lobby

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ITEM	MOUNTING HT.
Thermostat	56" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	
Switch	48" A.F.F.
ANNUNCIATOR	MTD. IN BASE
FIRE ALARM PULL	48" A.F.F.
FIRE HORN	AS NOTED (-0" A.F.F.)
SMOKE ALARM	CEIL. MTD.

GENERAL NOTES

1. CA-26 is in millwork contract except back wine bar and wine rack on north side of unit.

Drapery, vinyl and fabric wall coverings are in FF&E contract. All panels to receive wall coverings are in millwork contract.

15. FLOORING

Wood flooring is in millwork contract. Carpet is in FF&E contract. All other flooring materials are part of other contracts.

N. All wood doors are in millwork contract. Door hardware, except as noted, is in other contracts.

S. All banquettes are in FF&E contract except BQ-1, BQ-2 is in millwork contract except for upholstered seat and back and etched glass panels.

All etched glass panels in Tall Ships Bar are in FF&E contract.

Installation for glass panels is in millwork contract.

V. Shutters in Tall Ships Bar only are in FF&E contract.

W. All kitchen equipment is in other contracts.

X. Ornamental stair and railing in Main Lobby is in another contract.

Rope wall in Tall Ships Bar is in FF&E contract.

Bathroom stall partition walls are in another contract.

Glass vault in Tall Ships Bar is in FF&E contract.

5 ALL LOUVERED DOORS ARE SLOPED .08in

The following items are included in FF&E Budget:

C-106, CA-22, CA-26, CA-9, CA-10, CA-11, CE-7, LA-11, LA-12, PLA-1, PLA-2, SO-5, TA-1, TA-6, TA-7, TA-12, WC-2 WC-13B and WC-19 (Wall Covering Only)

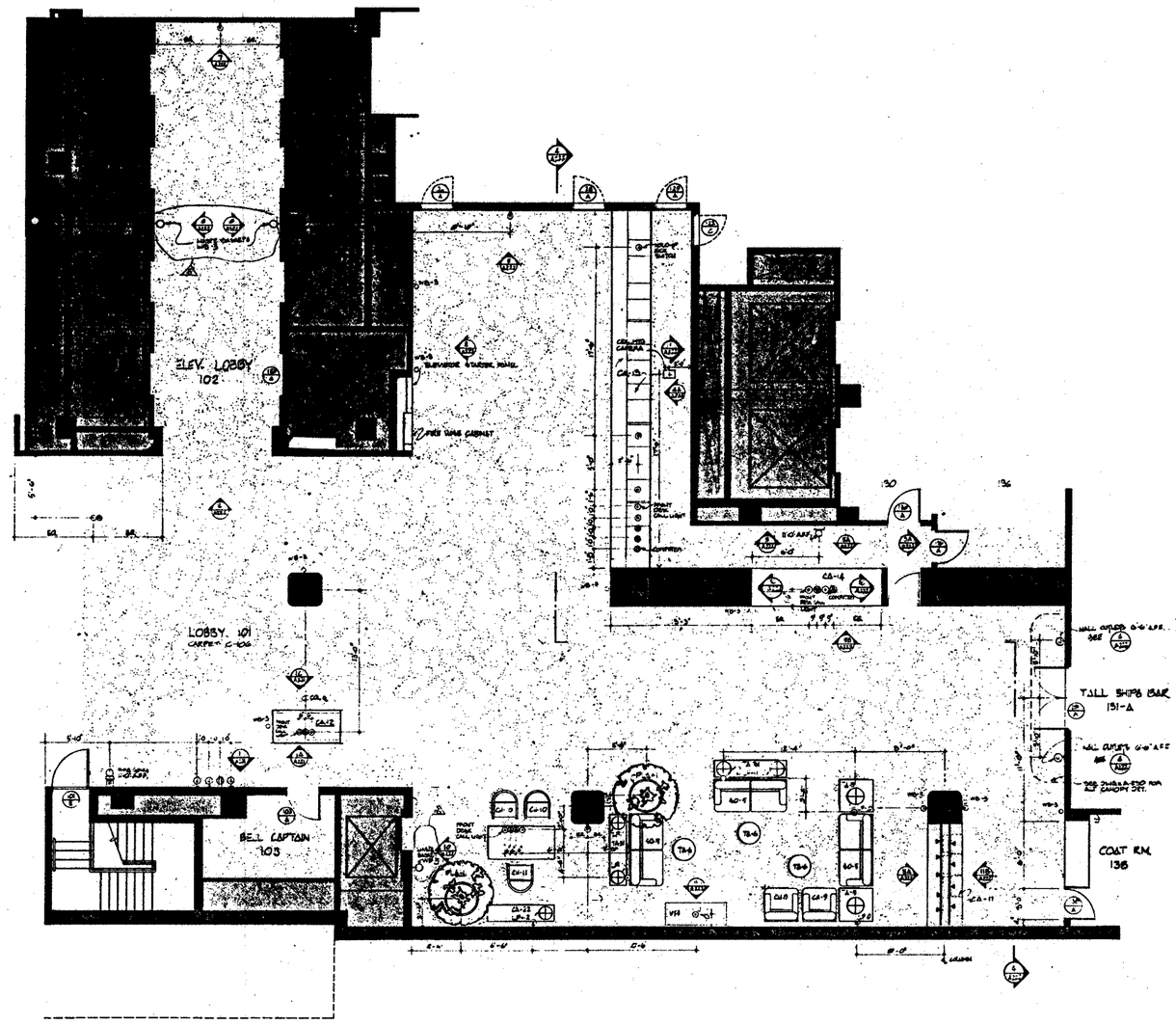
NO.	DATE	REVISIONS
5	3-18-80	BULLETIN #77
4	1-9-80	BULLETIN # 69
3	9-27-79	BULLETIN 59
2	9-7-79	B.L. BTU #59 ISSUED FOR "B" SHARE JOINTS
1	8-17-79	ADDENDUM FOR WALL WORK

ISSUED FOR MILLWORK BIDDING

MAIN LOBBY - NORTH
1ST FLOOR

DATE 12-12-79 979
SCALE 1/4"-1'-0"
DRAWING NO. LA 2A
PROJECT NO. 1402

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER ASSOCIATES
STRUCTURAL ENGINEERS
333 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

ITEM	MOUNTING HT.
Thermostat	48" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	
Switch	48" A.F.F.
JUNCTION BOX	[illegible] IN BASE
FIRE ALARM PULL	48" A.F.F.
FIRE DETECTOR	[illegible]

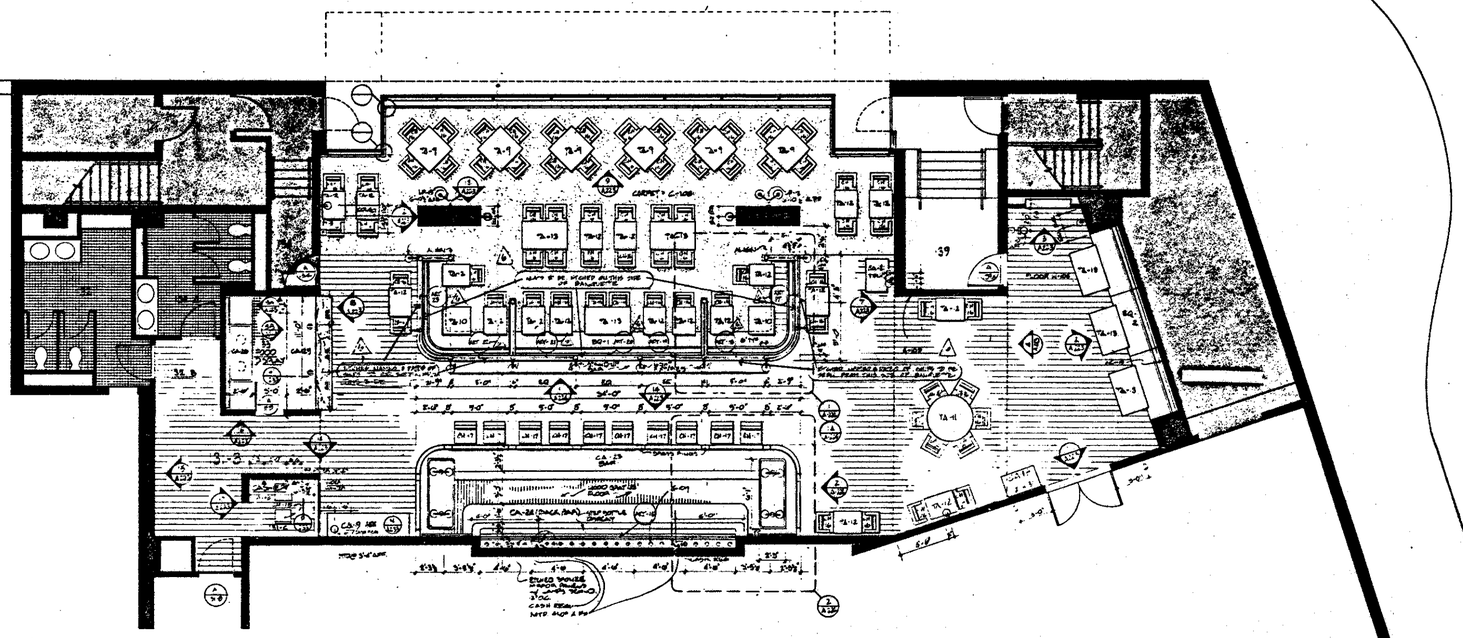
SEE LA-2A FOR A LIST OF ITEMS IN BASE & GENERAL NOTES

NO.	DATE	REVISIONS
6	9-25-80	BULLETIN # 78
5	5-16-80	BULLETIN 77
4	3-3-80	
3	12-27-79	BULLETIN #59
2	12-5-79	BULLETIN #56 ISSUED FOR PLANNING LOADING
1	11-20-79	ADDENDUM FOR MILLWORK
		ISSUED FOR MILLWORK BIDDING

MAIN LOBBY - SOUTH 1ST FLOOR

DATE 11-12-79
SCALE 1/4" 1'-0"
DRAWING NO. LA 2B
PROJECT NO. 1407

RECEIVED
NOV 19 1980
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 43th St., N.Y., N.Y.C. 10017



WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
346 PARK AVENUE, NEW YORK

ITEM	MOUNTING HT.
Thermostat	60" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	
Switch	48" A.F.F.
[illegible]	80" A.F.F.
[illegible]	[illegible]

SEE [illegible] FOR CA-6, CA-7, CA-21, CA-25, CA-28 & CA-30 & LA-1B SEE Shts A-12B

SEE LA-2A FOR GENERAL NOTES

ALL SHIPS BAR

The following items are included in this Subject:

CA-2, CA-28, Chart, Chart, Chart, LA-1B, Chart, Chart, Chart, Chart, Chart & Chart A-12B (Covering Shts.)

NO.	DATE	REVISIONS
6	4-11-80	BULLETIN # 76
5	3-3-80	BULLETIN # 69
4	12-27-79	BULLETIN 59
3	12-14-79	BULLETIN #58 ISSUED FOR "BLUE PRINT HOUSING"
2	12-7-79	ADDENDUM FOR MILLWORK
1	8-30-79	ADDENDUM #8 MILLWORK
ISSUED FOR MILLWORK BIDDING		

TALL SHIPS BAR
1ST FLOOR

DATE 11-12-79
SCALE 1/4"-1'-0"
DRAWING NO. LA 2C
PROJECT NO. 1402

RECEIVED
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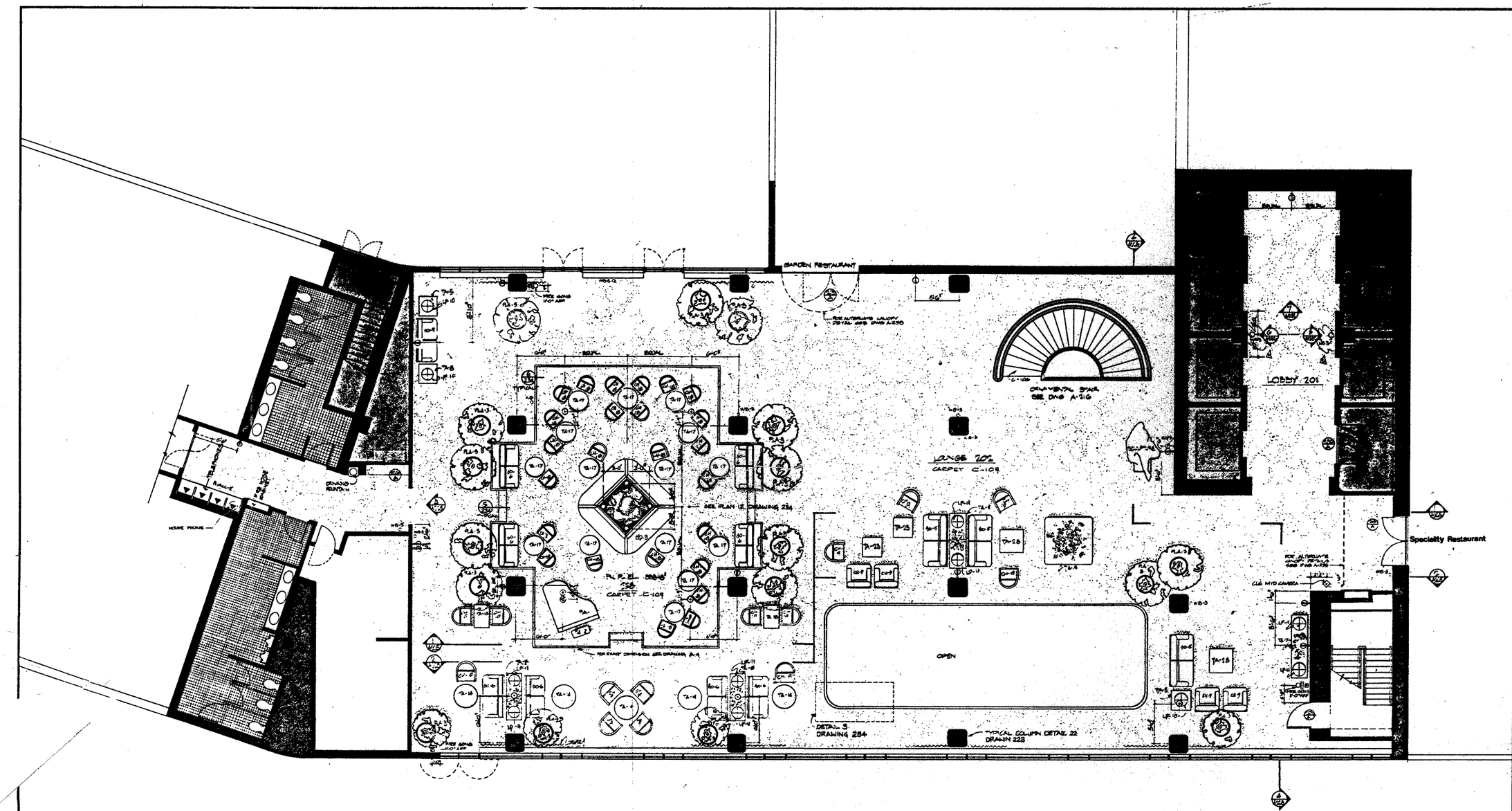
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017



WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

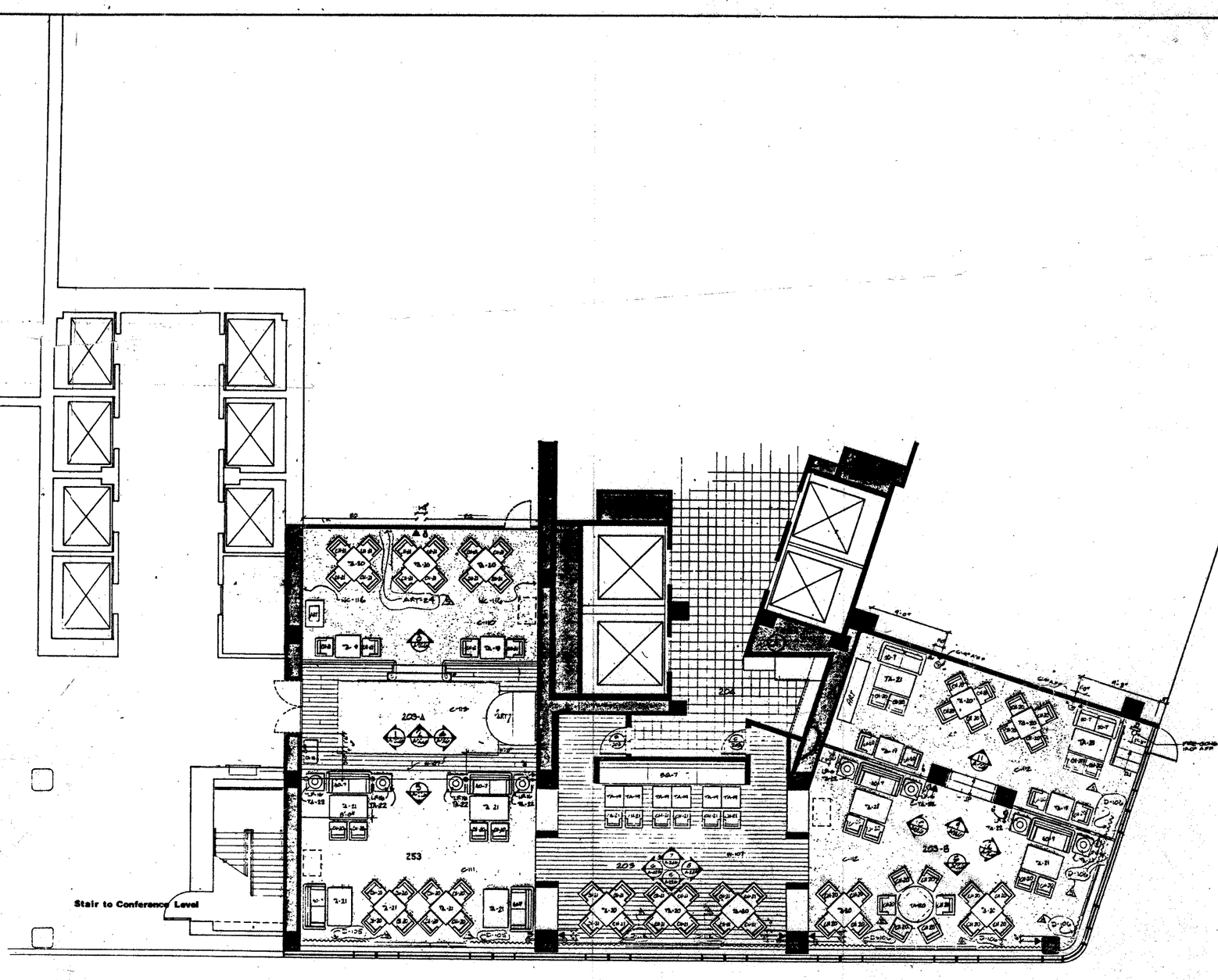
ITEM	MOUNTING HT.
Thermostat	60" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	
Switch	48" A.F.F.
JUNCTION BOX	
FIRE-ALARM PULL	
FIRE-HORNS	
PHONE-ALARM	

NOTE: SEE A NOTES FOR FINISHES

FLOOR LEVEL JUNCTION

The following items are included in this Design:

(Key) (Key) (Key) (



Specialty Restaurant

AMERICAN HARVEST
SEATING - 100

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEIDLINGER & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

ITEM	MOUNTED AT:
Thermostat	48" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	

The following items are included in FFE Budget:

D-1, D2-15, D4-20, D-21, D-11, D-17, D-13, T2-23, T-7, T-12, C-110, C-111, C-112, C-113, D-105, D-108, D-112, D-21
WC-116 (Wall Covering Only)

NO.	DATE	REVISIONS
5	4-21-80	Bulletin # 78
4	3-19-80	
3	9-0-79	Bulletin # 73
2	6-8-79	Bulletin #68 Issued for Tele/Power Layouts
1	3-30-79	Approved for Millwork
		Issued for Millwork Shops

SPECIALTY RESTAURANT
2ND FLOOR
American Harvest
& Dining Rooms

DATE 11-12-79
SCALE 1/4" 1-0
DRAWING NO. LA 4B
PROJECT NO. 1002

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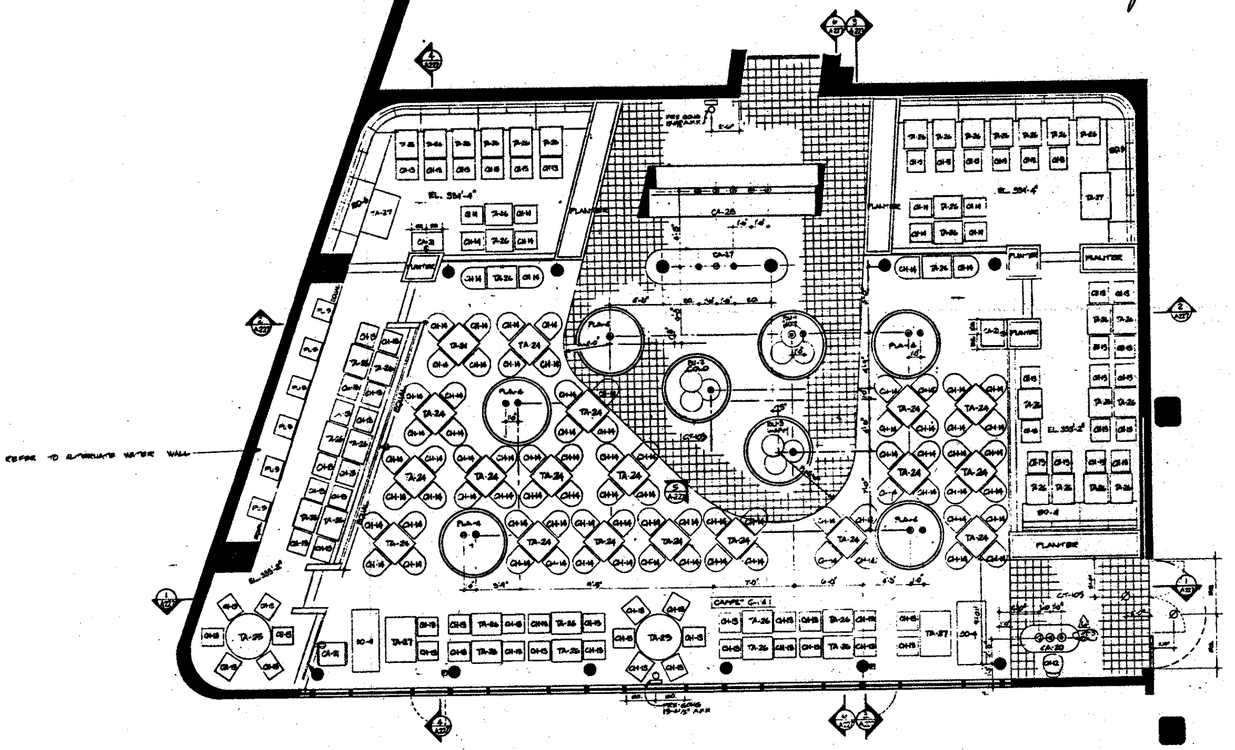
LESLIE E. ROBERTSON
ASSOCIATES

Seating - 170



WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
245 PARK AVENUE, NEW YORK

FOR LEGARD & GRUBERAL LIGHTED
SEE DWG LA-4A

JAPAN RESTAURANT

The following items are included in FF&E Budget:

BO-4, BO-5, BO-6, BU-1, BU-2, BU-3, C-116, CA-20, CA-21, CA-27, CH-12, CH-13, CH-14, CH-17, PA-24, PLA-5, SO-4, TA-26, TA-25, TA-26, TA-27
4C-116 (Wall Covering Only)

NO.	DATE	REVISIONS
6	3-28-80	BULLETIN #77
5	3-10-80	BULLETIN # 75
4	2-11-80	BULLETIN #66
3	12-4-79	BULLETIN # 60 ISSUED FOR RESTAURANT LOCATIONS
2	12-3-79	ADDENDUM FOR MILLWORK
1	11-30-79	ADDENDUM FOR MILLWORK
		ISSUED FOR MILLWORK BIDDING

GREENHOUSE
GARDEN RESTAURANT
SECOND FLOOR

DATE 11-12-79
SCALE 1/4"-1'-0"
DRAWING NO. LA 4C
PROJECT NO. 1407

RECEIVED
NOV 19 1992
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
346 PARK AVENUE, NEW YORK

ELEVATIONS

CLOSED POSITION

DISPLAY WALL ELEVATIONS

1 SECTION THRU JAMB DISPLAY WALL UNIT

2 SECTION THRU SILL (HEAD SIMILAR) DISPLAY WALL UNIT

3 TYPICAL SECTION THRU MOVEABLE PEANS DISPLAY WALL UNIT

4 TYPICAL SECTION THRU FIXED PEANS DISPLAY WALL UNIT

PARTIAL INDICATED ARE TYPICAL FOR COMP. TYPS

TYPICAL FOR ALL CARPETED ROOM CORNERS

RM 361 RM 331 RM 330 RM 326 RM 321 RM 322 RM 323 RM 320 RM 39 RM 38 RM 317 RM 316 CORR. 303 LOBBY

NOTE:
TABLES & CONFERENCE CHAIRS (W-7) TO BE PURCHASED BY HILTON FOR ROOMS 316 & 317 SUB 318, 320, 321, 322, 324, 330, 331, 361.

FINISHES

WC-106	CONFERENCE LEVEL CORRIDOR WALLS
WC-19	CONFERENCE ROOM WALLS
W-104	WOOD PANELS & BUFFET BACKS
G-08	BUFFET TOPS
P-140	PAINT & WALLS WHERE APPLICABLE
M-101	A&T/AUDIO VISUAL UNITS & CORKBOARD FABRICBOARD : CEILING
P-38	CEILING
C-118	CARPET
PL-107	AUDIO/VISUAL UNITS & TELEPHONE COUTTER
VB-02	VINYL BASE

ELEVATION-BUFFET

SECTION-BUFFET BU-4 SIZE VANES

ITEM	MOUNTING HT.
Thermostat	60" A.F.F.
Wall Telephone	48" A.F.F.
Electrical Outlet	Mounted in Base
T.V. Outlet	Mounted in Base
Telephone Outlet	Mounted in Base
Microphone Outlet	Mounted in Base
Electric Floor Outlet	
Telephone Floor Outlet	
Microphone Floor Outlet	
Switch	48" A.F.F.

CONFERENCE LEVEL

The following items are included in FF&E Budget:

C-115, WB-2, Chr-6, Chr-9, WB-10, WB-3, WB-5, Tb-29, Tb-6, Tb-31, LM-10, LM-11, Chr-8, Tb-37, Tb-4, Tb-108, Sn-08, Sn-7
WC-106 and WC-119 (Wall Covering Only)

5	4-15-80	BULLETIN # 76
4	1-29-80	WB-3 & WB-5 ADDED
3	12-27-79	BULLETIN #68
2	8-24-79	BULLETIN #68 REVISED FOR TELEPHONE LOCATIONS
1	1-26-77	ADDENDUM #2, 11/16/77

ISSUED FOR MAIN WORK BIDDING

NO.	DATE	REVISIONS

CONFERENCE LEVEL
3RD FLOOR

DATE 11-12-79 27c
SCALE 1/4"-1'-0"
DRAWING NO. LA 5
PROJECT NO. 1007

RECEIVED
NOV 19 1932
LESLIE E. ROBERTSON
ASSOCIATES
211 E. 46th ST., N.Y., N.Y.C. 10017

VISTA HOTEL - ARCHITECTURAL

WORLD TRADE CENTER HOTEL

THE WORLD TRADE CENTER
NEW YORK NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
400 PARK AVENUE, NEW YORK

WEISKOPF & PICKWORTH
STRUCTURAL ENGINEERS
200 PARK AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
345 PARK AVENUE, NEW YORK

Structural

S-1A	1ST FLOOR FRAMING PLAN
S-1B	MEZZANINE FRAMING PLAN
S-2	2ND FLOOR FRAMING PLAN
S-3	3RD FLOOR FRAMING PLAN
S-4	4TH FLOOR FRAMING PLAN
S-5	5TH THROUGH 20TH FLOOR FRAMING PLANS
S-5A	5TH & 6TH FLOOR DIAPHRAGM REINF. PLAN
S-5B	7TH FLOOR DIAPHRAGM REINF. PLAN
S-5C	8TH FLOOR DIAPHRAGM REINF. PLAN
S-5D	10TH FLOOR DIAPHRAGM REINF. PLAN
S-5E	11TH FLOOR DIAPHRAGM REINF PLAN
S-6	21ST FLOOR FRAMING PLAN
S-7	22ND FLOOR FRAMING PLAN
S-8	BALCONY FRAMING PLAN
S-9	ROOF FRAMING PLAN
S-10	COLUMN SCHEDULE
S-11	WIND BENTS & DETAILS SHEET 1
S-12	WIND BENTS & DETAILS SHEET 2
S-13	WIND BENTS & DETAILS SHEET 3
S-14	STRUCTURAL DETAILS NO. 1
S-15	STRUCTURAL DETAILS NO. 2

Interiors

LA-1B	ELECTRIC & TELEPHONE LAYOUT ADMINISTRATIVE AREAS
LA-1C	FURNITURE LAYOUT EMPLOYEES AREAS
LA-2A	MAIN LOBBY - NORTH - FIRST FLOOR
LA-2B	MAIN LOBBY - SOUTH - FIRST FLOOR
LA-2C	TALL SHIPS BAR - FIRST FLOOR
LA-2D	PREFUNCTION & BALLROOM - FIRST FLOOR PLAN & ELEVATIONS
LA-4A	PLAZA LOUNGE SECOND FLOOR
LA-4B	SPECIALTY RESTAURANT S COND FLOOR
LA-4C	GARDEN RESTAURANT SECOND FLOOR
LA-5	CONFERENCE LEVEL THIRD FLOOR
LA-6A	FOURTH FLOOR PLAN
LA-6B	FIFTH FLOOR PLAN TYPICAL REFLECTED CEILING PLAN
LA-6C	6TH THRU 19TH FLOOR PLANS
LA-6D	20TH FLOOR PLAN
LA-6F	SPECIAL SUITES MANAGER'S APT. & TOWER LOUNGE

Finishes

FA-1	SERVICE LEVEL FINISH PLAN
FA-2	FIRST FLOOR FINISH PLAN
FA-3	MEZZANINE FINISH PLAN
FA-4	SECOND FLOOR FINISH PLAN
FA-5	THIRD FLOOR FINISH PLAN
FA-303	SECOND FLOOR CEILING FINISH PLAN
FLA-6A	FOURTH FLOOR FINISH PLAN
FLA-6B	FIFTH FLOOR FINISH PLAN
FLA-6C	6TH THRU 19TH FLOOR FINISH PLAN
FLA-6D	20TH FLOOR FINISH PLAN
FLA-6E	21ST FLOOR FINISH PLAN
FA-6B	FIFTH FLOOR PLAN TYPICAL REFLECTED CEILING PLAN

Mechanical

HVAC-1	SERVICE LEVEL PLAN
HVAC-2	FIRST FLOOR PLAN
HVAC-3	MEZZANINE PLAN
HVAC-4	SECOND FLOOR PLAN
HVAC-5	THIRD FLOOR PLAN
HVAC-6	FOURTH THRU TWENTIETH FLOOR PLANS
HVAC-7	TWENTY-FIRST FLOOR PLAN
HVAC-8	TWENTY-SECOND FLOOR PLAN
HVAC-9	BALCONY FLOOR PLAN
HVAC-10	TYPICAL GUEST ROOM PART PLANS & DETAILS
HVAC-11	AIR & WATER RISER DIAGRAM
HVAC-12	SECONDARY WATER RISER DIAGRAM
HVAC-13	DETAIL SHEET NO. 1
HVAC-14	DETAIL SHEET NO. 2
HVAC-15	SCHEDULE SHEET NO. 1
HVAC-16	SCHEDULE SHEET NO. 2

Plumbing

P-1	SERVICE LEVEL PLAN
P-2	FIRST FLOOR PLAN
P-3	MEZZANINE FLOOR PLAN
P-4	SECOND FLOOR PLAN
P-5	THIRD FLOOR PLAN
P-6	TYPICAL FOURTH THRU TWENTIETH FLOOR PLANS
P-7	TWENTY-FIRST FLOOR PLAN
P-8	TWENTY-SECOND FLOOR PLAN
P-9	BALCONY FLOOR PLAN
P-10	ROOF PLAN
P-11	TYPICAL GUEST ROOM DETAILS
P-12	SANITARY RISER DIAGRAM
P-13	WATER RISER DIAGRAM
P-14	SCHEDULES/DETAILS

Sprinkler

SP-1	SERVICE LEVEL PLAN
SP-2	FIRST FLOOR PLAN
SP-3	SECOND FLOOR PLAN

Electrical

E-1	SERVICE LEVEL LIGHTING PLAN
E-2	SERVICE LEVEL POWER PLAN
E-3	FIRST FLOOR LIGHTING PLAN
E-4	FIRST FLOOR POWER PLAN
E-5	MEZZANINE LIGHTING AND POWER PLAN
E-6	SECOND FLOOR LIGHTING PLAN
E-7	SECOND FLOOR POWER PLAN
E-8	THIRD FLOOR LIGHTING PLAN
E-9	THIRD FLOOR POWER PLAN
E-10	FOURTH & FIFTH FLOOR LIGHTING AND POWER PLAN
E-11	SIXTH THRU NINETEENTH FLOOR LIGHTING AND POWER PLAN
E-12	TWENTIETH FLOOR LIGHTING AND POWER PLAN
E-13	TWENTY-FIRST LIGHTING AND POWER PLAN
E-14	TWENTY-SECOND LIGHTING PLAN
E-15	TWENTY-SECOND POWER PLAN
E-16	BALCONY LIGHTING PLAN
E-17	BALCONY POWER PLAN
E-18	ROOF LIGHTING AND POWER PLAN
E-19	LIGHTING AND POWER RISER SWITCH-BOARD SCHEDULE & DETAILS
E-20	FIRE ALARM RISER
E-21	TELEPHONE AND TELEVISION RISER
E-22	STAIR AND EXIT RISER
E-23	PA SYSTEM RISER & DETAIL
E-24	MISC. RISERS & DETAILS
E-25	MOTOR STARTER GROUP SCHEDULE
E-26	MAIN KITCHEN DETAILS
E-27	KITCHEN SCHEDULES & DETAILS
E-28	DISTRIBUTION AND POWER PANEL SCHEDULES
E-29	DIMMER RACK SCHEDULE AND LIGHTING DETAILS
E-29A	BALLROOM LIGHTING & DETAILS
E-30	LIGHTING & UTILITY PANEL SCHEDULE & SYMBOL LIST

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AS-BUILT DWGS

LIST OF DRAWINGS