FileJuicer

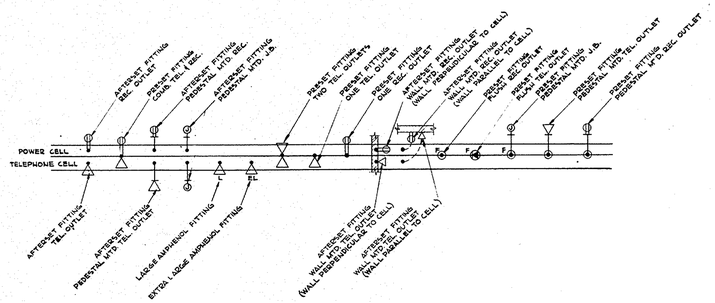
TOWER "A" ELECTRICAL DRAWINGS

DWG. Nº	TITLE	DWG. Nº	TITLE
	TITLE SHEET	E-A-66	LIGHTING AND POWER - 109TH FLOOR M.E.R.
E-A-1	DRAWING INDEX & SYMBOL LIST	E-A-67	LIGHTING AND POWER - 110TH FLOOR
E-A-2	LIGHTING AND POWER - SUB-LEVEL Nº5 - ELEV. 242 M.E.R.	E-A-68	ROOF AND BULKHEAD PLAN
E-A-3	LIGHTING AND POWER - SUB-LEVEL Nº4 - ELEV. 253 M.E.R.	E-A-69	UNASSIGNED
E-A-4	LIGHTING AND POWER - SUB-LEVEL Nº3 - ELEV. 264	E-A-70	UNASSIGNED
E-A-5	LIGHTING AND POWER - SUB-LEVEL Nº2 - ELEV. 274	E-A-71	UNASSIGNED
E-A-6	LIGHTING AND POWER - SUB-LEVEL Nº1 - ELEV. 284	E-A-72	SUB-STATION SS-PA - SERVICE LEVEL ELEV. 294'-0"
E-A-7	LIGHTING AND POWER - SERVICE LEVEL - ELEV. 294	E-A-73	SUB-STATION SS-7N - 7TH FLOOR NORTH
E-A-8	LIGHTING AND POWER - 1ST FLOOR - CONCOURSE	E-A-74	SUB-STATION SS-7S - 7TH FLOOR SOUTH
E-A-9	LIGHTING AND POWER - 2ND FLOOR - PLAZA	E-A-75	SUB-STATION SS-41N-41ST FLOOR NORTH
E-A-10	LIGHTING AND POWER - 3RD - 5TH FLOORS	E-A-76	SUB-STATION SS-41S-41ST FLOOR SOUTH
E-A-11	LIGHTING AND POWER - 6TH FLOOR	E-A-77	SUB-STATION SS-75N-75TH FLOOR NORTH
E-A-12	LIGHTING AND POWER - 7TH FLOOR M.E.R.	E-A-78	SUB-STATION SS-75S-75TH FLOOR SOUTH
E-A-13	LIGHTING AND POWER - 8TH FLOOR M.E.R.	E-A-79	SUB-STATION SS-108N-108TH FLOOR NORTH
E-A-14	UNASSIGNED	E-A-80	SUB-STATION SS-108S-108TH FLOOR SOUTH
E-A-15	UNASSIGNED	E-A-81	UNASSIGNED
E-A-16	LIGHTING AND POWER - 9TH - 16TH FLOORS	E-A-82	UNASSIGNED
E-A-17	LIGHTING AND POWER - 17TH AND 18TH FLOORS	E-A-83	ELECTRIC CLOSET PLANS & SECTIONS - GENERAL
E-A-18	LIGHTING AND POWER - 19TH - 24TH FLOORS	E-A-84	ELECTRIC CLOSET PLANS & SECTIONS - 43RD TO 45TH FLS. (NORTH)
E-A-19	LIGHTING AND POWER - 25TH AND 26TH FLOORS	E-A-85	ELECTRIC CLOSET PLANS & SECTIONS - 106TH & 108TH FLS. (SOUTH)
E-A-20	LIGHTING AND POWER - 27TH - 32ND FLOORS	E-A-86	ELECTRIC CLOSET PLANS - CLOSET "L"
E-A-21	LIGHTING AND POWER - 33RD AND 34TH FLOORS	E-A-87	UNASSIGNED
E-A-22	LIGHTING AND POWER - 35TH - 40TH FLOORS	E-A-88	UNASSIGNED
E-A-23	LIGHTING AND POWER - 41ST FLOOR M.E.R.	E-A-89	LIGHT AND POWER RISER DIAG. - SUB-LEVEL Nº5 - 24TH FLOORS
E-A-24	LIGHTING AND POWER - 42ND FLOOR M.E.R.	E-A-90	LIGHT AND POWER RISER DIAG. - 25TH - 58TH FLOORS
E-A-25	UNASSIGNED	E-A-91	LIGHT AND POWER RISER DIAG. - 59TH - 92ND FLOORS
E-A-26	UNASSIGNED	E-A-92	LIGHT AND POWER RISER DIAG. - 93RD - 110TH FLOORS
E-A-27	LIGHTING AND POWER - 43RD FLOOR	E-A-93	UNASSIGNED
E-A-28	LIGHTING AND POWER - 44TH FLOOR - SKYLOBBY	E-A-94	EMERG. LTG. AND RECEPT. RISER DIA. - SUB-LEVEL Nº5 - 24TH FLS.
E-A-29	LIGHTING AND POWER - 45TH FLOOR	E-A-95	EMERG. LTG. AND RECEPT. RISER DIA. - 25TH - 58TH FLOORS
E-A-30	LIGHTING AND POWER - 46TH FLOOR	E-A-96	EMERG. LTG. AND RECEPT. RISER DIA. - 59TH - 92ND FLOORS
E-A-31	LIGHTING AND POWER - 47TH FLOOR	E-A-97	EMERG. LTG. AND RECEPT. RISER DIA. - 93RD - 110TH FLOORS
E-A-32	LIGHTING AND POWER - 48TH FLOOR	E-A-98	FIRE COMMUNICATION SYSTEMS RISER DIAGRAMS
E-A-33	LIGHTING AND POWER - 49TH FLOOR	E-A-99	EMERG. POWER CENTER - TRANSFER SWITCH SCHEDULES & WIRING DIAGRAMS
E-A-34	LIGHTING AND POWER - 50TH - 54TH FLOORS	E-A-100	ELEVATOR DISTRIBUTION PANEL SCHEDULES & ELEVATIONS
E-A-35	LIGHTING AND POWER - 55TH AND 56TH FLOORS	E-A-101	UNASSIGNED
E-A-36	LIGHTING AND POWER - 57TH AND 58TH, 60TH AND 61ST FLOORS	E-A-102	UNASSIGNED
E-A-37	LIGHTING AND POWER - 59TH FLOOR	E-A-103	UNASSIGNED
E-A-38	LIGHTING AND POWER - 62ND AND 63RD FLOORS	E-A-104	MOTOR CONTROL CENTER SCHEDULES - SUB-LEVEL Nº5 & 7TH FL
E-A-39	LIGHTING AND POWER - 64TH - 66TH FLOORS	E-A-105	MOTOR CONTROL CENTER SCHEDULES - 41ST AND 75TH FLOORS
E-A-40	LIGHTING AND POWER - 67TH FLOOR	E-A-106	MOTOR CONTROL CENTER SCHEDULES - 75TH AND 108TH FLOORS
E-A-41	LIGHTING AND POWER - 68TH AND 69TH FLOORS	E-A-107	MOTOR FIRE STANDPIPE AND SMOKE DETECTOR SYSTEM WIRING DIAGRAMS AND SCHEDULES.
E-A-42	LIGHTING AND POWER - 70TH - 73RD FLOORS	E-A-108	UNASSIGNED
E-A-43	LIGHTING AND POWER - 74TH FLOOR	E-A-109	LIGHTING AND RECEPT. PANEL SCHEDULES - 9TH - 24TH FLOORS
E-A-44	LIGHTING AND POWER - 75TH FLOOR M.E.R.	E-A-110	LIGHTING AND RECEPT. PANEL SCHEDULES - 25TH - 40TH FLOORS
E-A-45	LIGHTING AND POWER - 76TH FLOOR M.E.R.	E-A-111	LIGHTING AND RECEPT. PANEL SCHEDULES - 43RD - 58TH FLOORS
E-A-46	UNASSIGNED	E-A-112	LIGHTING AND RECEPT. PANEL SCHEDULES - 59TH - 74TH FLOORS
E-A-47	UNASSIGNED	E-A-113	LIGHTING AND RECEPT. PANEL SCHEDULES - 77TH - 92ND FLOORS
E-A-48	LIGHTING AND POWER - 77TH FLOOR	E-A-114	LIGHTING AND RECEPT. PANEL SCHEDULES - 93RD - 107TH FLOORS
E-A-49	LIGHTING AND POWER - 78TH FLOOR - SKYLOBBY	E-A-115	EMERGENCY AND HOUSE LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-A-50	LIGHTING AND POWER - 79TH FLOOR	E-A-116	UNASSIGNED
E-A-51	LIGHTING AND POWER - 80TH FLOOR	E-A-117	UNASSIGNED
E-A-52	LIGHTING AND POWER - 81ST FLOOR	E-A-118	LIGHTING PANEL REMOTE CONTROL SYSTEM DIAGRAMS
E-A-53	LIGHTING AND POWER - 82ND FLOOR	E-A-119	LIGHTNING PROTECTION SYSTEM DETAILS
E-A-54	LIGHTING AND POWER - 83RD FLOOR	E-A-120	GROUNDING SYSTEM DETAILS
E-A-55	LIGHTING AND POWER - 84TH - 86TH FLOORS	E-A-121	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-56	LIGHTING AND POWER - 87TH AND 88TH FLOORS	E-A-122	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-57	LIGHTING AND POWER - 89TH - 93RD FLOORS	E-A-123	FLOOR SYSTEM DETAILS - SERVICE FITTINGS
E-A-58	LIGHTING AND POWER - 94TH AND 95TH FLOORS	E-A-124	ALTERNATE #6 CEILING WIRING SYSTEM - PERSPECTIVE VIEW AND ASSEMBLY DRAWING
E-A-59	LIGHTING AND POWER - 96TH - 100TH FLOORS	E-A-125	ALTERNATE #6 CEILING WIRING SYSTEM - WIRING DEVICE AND FITTING DETAILS
E-A-60	LIGHTING AND POWER - 101ST AND 102ND FLOORS	E-A-126	PRIMARY FEEDER SPLICE DETAILS
E-A-61	LIGHTING AND POWER - 103RD FLOOR	E-A-127	PULL & SPLICE CABINET AND CABLE SUPPORT DETAILS
E-A-62	LIGHTING AND POWER - 104TH FLOOR	E-A-128	PULL & SPLICE CABINET & PRIMARY CONDUIT RISER ELEVATION
E-A-63	LIGHTING AND POWER - 105TH AND 106TH FLOORS	E-A-129	UNASSIGNED
E-A-64	LIGHTING AND POWER - 107TH FLOOR - RESTAURANT	E-A-130	MISCELLANEOUS DETAILS
E-A-65	LIGHTING AND POWER - 108TH FLOOR M.E.R.	E-A-131	PANELBOARD, BUS DUCT AND OUTLET BOX SUPPORT DETAILS FOR GYPSUM PLAN PARTITION
		E-A-132	TEMPORARY PAGING AND LIGHT & POWER RISER DIA. - SUB-LEVEL Nº5 - 24TH FLS.
		E-A-133	TEMPORARY PAGING AND LIGHT & POWER RISER DIA. - 25TH - 58TH FLS.
		E-A-134	TEMPORARY PAGING AND LIGHT & POWER RISER DIA. - 59TH - 92ND FLS.
		E-A-135	TEMPORARY PAGING AND LIGHT & POWER RISER DIA. - 93RD - 110TH FLS.

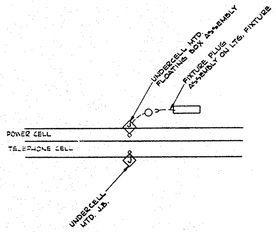
BELOW GRADE ELECTRICAL DRAWINGS

DWG. Nº	TITLE	DWG. Nº	TITLE
E-X-1	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION AND TEMPORARY SERVICE DISTRIBUTION ELEVATION 280'-284' SECTION J	E-X-8	SINGLE LINE DIAGRAM - PLAZA
E-X-2	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION AND TEMPORARY SERVICE DISTRIBUTION ELEVATION 280'-284' SECTION K	E-X-9	SINGLE LINE DIAGRAM - TOWER "A"
E-X-3	PRIMARY DISTRIBUTION - CENTER PLAN, ELEVATIONS, AND SCHEDULES	E-X-9A	SINGLE LINE DIAGRAM - TOWER "B" ⚠
E-X-4	PRIMARY SERVICE AND DISTRIBUTION SECTIONS AND DETAILS	E-X-10	EMERGENCY SINGLE LINE DIAGRAM
E-X-5	TEMPORARY SERVICE VAULT AND SWITCHBOARD SCHEDULES	E-X-11	DETAIL OF FIRE PUMP CONTROL STATION, TRANSFER SWITCH CONTROL PANEL, AND EMERGENCY CONTROL SYSTEM RISER DIAGRAM
E-X-6	PLAN OF LIGHTNING PROTECTION AND GROUNDING SYSTEM AT ELEVATION 280'-284'	E-X-12	UNASSIGNED
E-X-7	138KV SERVICE AND DISTRIBUTION SYSTEM RISER DIAGRAM	E-X-13	UNASSIGNED

FLOOR WIRING SYSTEM SYMBOLS



CEILING WIRING SYSTEM SYMBOLS



SYMBOL LIST

LIGHTING FIXTURES

- INCANDESCENT LIGHTING FIXTURE & OUTLET. LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH CONTROL. NUMBER INDICATES CKT.
- RECESSED INCANDESCENT LIGHTING FIXTURE WITH CEILING BOX AND WIRING.
- INCANDESCENT WALL BRACKET FIXTURE.
- PORCELAIN LAMPHOLDER - KEYLESS SOCKET
- EXIT LIGHT - WALL MOUNTED - SURFACE OR BRACKET WITH DIRECTIONAL ARROW(S) AS REQUIRED.
- RECESSED FLUORESCENT FIXTURE - SIZE AS INDICATED WITH JUNCTION BOX AND FLEXIBLE CONNECTION - NUMBER AND TYPE OF LAMPS AS SPECIFIED.
- FLUORESCENT LIGHTING FIXTURE & OUTLET BOX SURFACE OR PENDANT MOUNTED AS SPECIFIED.
- SURFACE MOUNTED WALL BRACKET FLUORESCENT FIXTURE.
- FLUORESCENT STRIP LIGHT & OUTLET BOX SURFACE OR PENDANT MOUNTED AS SPECIFIED.

WIRING DEVICES

- Sa SINGLE POLE SWITCH - FLUSH TUMBLER TYPE SUB-LETTER INDICATES FIXTURES CONTROLLED.
- S3 THREE-WAY SWITCH
- S4 FOUR-WAY SWITCH
- SD DOOR SWITCH
- SP SWITCH AND PILOT LIGHT COMBINATION
- SMK MOMENTARY CONTACT SWITCH
- SDM DIMMER SWITCH
- SEX EXPLOSION PROOF SWITCH
- S-I TIME CLOCK SWITCH WITH NEON PILOT LIGHT
- SK KEY OPERATED SWITCH ⚠
- DUPLEX RECEPTACLE, 15A., 125 V. GROUNDING TYPE
- DUPLEX RECEPTACLE, 20A., 125 V. GROUNDING TYPE
- SINGLE RECEPTACLE, 20A., 125V. GROUNDING TYPE IN PLUSH PLATE WITH HINGED PLUSH FLAP.
- SINGLE RECEPTACLE 30A., 250V., 3W.
- SINGLE RECEPTACLE 50A., 250V., 3W.
- SPECIAL PURPOSE RECEPTACLE, AS SPECIFIED
- SINGLE POLE SWITCH AND 15A. SINGLE RECEPTACLE IN "SINGLE GANG PLATE"
- SINGLE POLE SWITCH WITH PILOT LIGHT AND 15A. DUPLEX RECEPTACLE IN TWO GANG PLATE
- FLOOR BOX - ADJUSTABLE WATERTIGHT TYPE - PLUSH (3-15A./125V. SINGLE RECEPTACLES)
- FLOOR BOX - ADJUSTABLE WATERTIGHT TYPE - PLUSH (T + TELEPHONE)
- TWO GANG FLOOR BOXES - ADJUSTABLE WATERTIGHT TYPE - ONE SINGLE RECEPTACLE AND ONE TELEPHONE OUTLET. (R + PLUSH)
- PEDESTAL EXTENSION SET ON FLOOR BOX WITH JUNCTION BOX, TELEPHONE OR RECEPTACLE OUTLET AS SHOWN.
- FLOOR SYSTEM RECEPTACLE OUTLET SET ON FLOOR BOX.
- FLOOR SYSTEM TELEPHONE OUTLET SET ON FLOOR BOX.
- CLOCK HANGER OUTLET
- PEDESTAL EXTENSION SET ON THRU FLOOR FITTING WITH JUNCTION BOX, TELEPHONE OR RECEPTACLE OUTLET AS SHOWN.
- THRU-FLOOR FITTING WITH FLOOR SYSTEM RECEPTACLE OUTLET.
- THRU-FLOOR FITTING WITH FLOOR SYSTEM TELEPHONE OUTLET.

AUXILIARY SYSTEMS

- TELEPHONE OUTLET BOX WITH BUSHED HOLE PLATE W/WALL MOUNTED; CB= COIN BOX OR BOOTH OUTLET
- ALARM BELL - AS INDICATED
- BUZZER
- PUSHBUTTON
- COMBINATION PUSHBUTTON AND BUZZER
- TRANSFORMER - SIZE (TYPE AS NOTED OR REQUIRED

STANDPIPE FIRE LINE SIGNALING SYSTEM

- MASTER STATION
- SUB-MASTER STATION
- OUTLYING STATION
- CALL BELL
- SPEAKER
- BATTERY
- BATTERY CHARGER

FIRE ALARM COMMUNICATION SYSTEM

- RECESSED CEILING SPEAKER
- WALL BRACKET HORN
- FLUSH MOUNTED DUAL WALL SPEAKER
- WALL MOUNTED MAIN LOBBY SPEAKER
- FLUSH WALL MOUNTED OUTLYING PUBLIC FIRE ALARM COMMUNICATION STATION ⚠
- MICROPHONE PANEL UNIT

CONDUIT SYSTEM

- CONDUIT RUN CONCEALED IN CEILING OR WALL
- 2 #12 IN 3/4"C. (EXCEPT AS OTHERWISE NOTED).
- CONDUIT RUN CONCEALED IN FLOOR
- CONDUIT RUN EXPOSED
- EACH TICK MARK INDICATES #12 CONDUCTOR UNLESS NOTED OTHERWISE.
- 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
- TELEPHONE SYSTEM - EMPTY CONDUIT (WITH DRAG WIRE)
- EMPTY CONDUIT
- CONDUIT UP OR DOWN
- CONDUIT UP
- ADJUSTABLE FLUSH FLOOR FITTING WITH SHORT RADIUS ELBOW. PROVIDE EXTENSION SET AS REQUIRED.

POWER WIRING SYSTEM

- MOTOR, NUMERAL INDICATES HORSEPOWER (3=3 H.P. & UP=3)
- COMBINATION STARTER & UNFUSED DISCONNECT SW.
- COMBINATION STARTER & FUSED DISCONNECT SW.
- MAGNETIC MOTOR STARTER, P. INDICATES PILOT LIGHT
- DISCONNECT SWITCH.
- MOMENTARY CONTACT PUSHBUTTON STATION (ON-OFF) WITH PILOT LIGHT.
- LOCK-OUT STOP PUSHBUTTON STATION KEY OPERATED
- JUNCTION BOX
- PULL BOX - SIZE AS REQUIRED UNLESS SPECIFICALLY NOTED OTHERWISE.
- FLUSH JUNCTION BOX WITH EXTENSION RING & BLANK COVER CONN. TO EQPT. WITH FLEXIBLE COND AS REQUIRED
- UNIT HEATER - CONNECT TO ALL CONTROL DEVICES AS REQUIRED.
- MOTOR, NUMERAL INDICATES HORSEPOWER (OVER ½ H.P.)

PANELBOARDS AND CABINETS

- SURFACE TYPE LIGHTING OR RECEPTACLE PANELBOARD SEE SCHEDULES & SPECIFICATIONS FOR DETAILS
- SURFACE TYPE LIGHTING OR RECEPTACLE PANELBOARD, SEE SCHEDULES AND SPECIFICATIONS FOR DETAILS.
- SUBDISTRIBUTION OR POWER DISTRIBUTION PANELBOARD, SEE SCHEDULES AND SPECIFICATIONS FOR DETAILS.
- TELEPHONE STRIP CABINET - SIZE AS PER TEL. CO. REQUIREMENTS UNLESS OTHERWISE NOTED.
- TERMINAL STRIP CABINET
- TEMPERATURE CONTROL PANEL - F & I.B.O. - CONNECTION BY ELECTRICAL CONTRACTOR.

MISCELLANEOUS

- THERMOSTAT - F.B.O. - INSTALLED & CONNECTED BY ELECTRICAL CONTRACTOR
- AQUASTAT - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.
- FLOAT SWITCH - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.
- ELECTRIC PNEUMATIC SWITCH - F.B.O. - INSTALLED & CONNECTED BY ELECTRICAL CONTRACTOR ⚠
- SOLENOID VALVE - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.
- ELECTRIC REHEAT COIL - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.
- BREAK GLASS SWITCH
- GROUND CONNECTION - IN CONDUIT TO NEAREST C.W. PIPE UNLESS OTHERWISE NOTED
- "DANGER HIGH VOLTAGE" SIGN
- LIMIT SWITCH - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR
- SMOKE DETECTOR - F.C.& - BY ELECTRICAL CONTRACTOR - I.B.O.
- PRESSURE SWITCH - F & I.B.O. - CONNECTIONS BY ELECTRICAL CONTRACTOR.

ABBREVIATIONS

F.B.O.	FURNISHED BY OTHERS
N.I.C.	NOT IN ELECTRICAL CONTRACT
WP	WEATHERPROOF
VT.	VAPOR-TIGHT
EXP.	EXPLOSION-PROOF
A.F.F.	ABOVE FINISHED FLOOR
PC.	PULL CHAIN
EM	EMERGENCY
EXP JT.	EXPANSION JOINT
EC.	EMPTY CONDUIT
℄	CENTERLINE
H.C.	HUNG CEILING

EQUIPMENT DESIGNATIONS

L OR LP	LIGHTING PANEL
R OR RP	RECEPTACLE PANEL
ERP	EMERGENCY RECEPTACLE PANEL
LC.	LOAD CENTER
T	TRANSFORMER
PC.	POWER CENTER
EPC	EMERGENCY POWER CENTER
DP.	DISTRIBUTION PANEL
PP.	POWER PANEL
PDC.	PRIMARY DISTRIBUTION CENTER
RPC.	REFRIGERATION POWER CENTER
MCC.	MOTOR CONTROL CENTER
ATS.	AUTOMATIC TRANSFER SWITCH
PF	PRIMARY FEEDER
F	FEEDER
CPB.	COMMUNICATION PULL BOX
CSB	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 OCT. 16, 1967

⚠ 2-18-67

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: DRAWING INDEX AND SYMBOL LIST

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	NONE	DATE	OCT. 16, 1967
PROJECT NUMBER		SHEET 1	OF 114
DRAWING NUMBER	E-A-1		

File Juicer