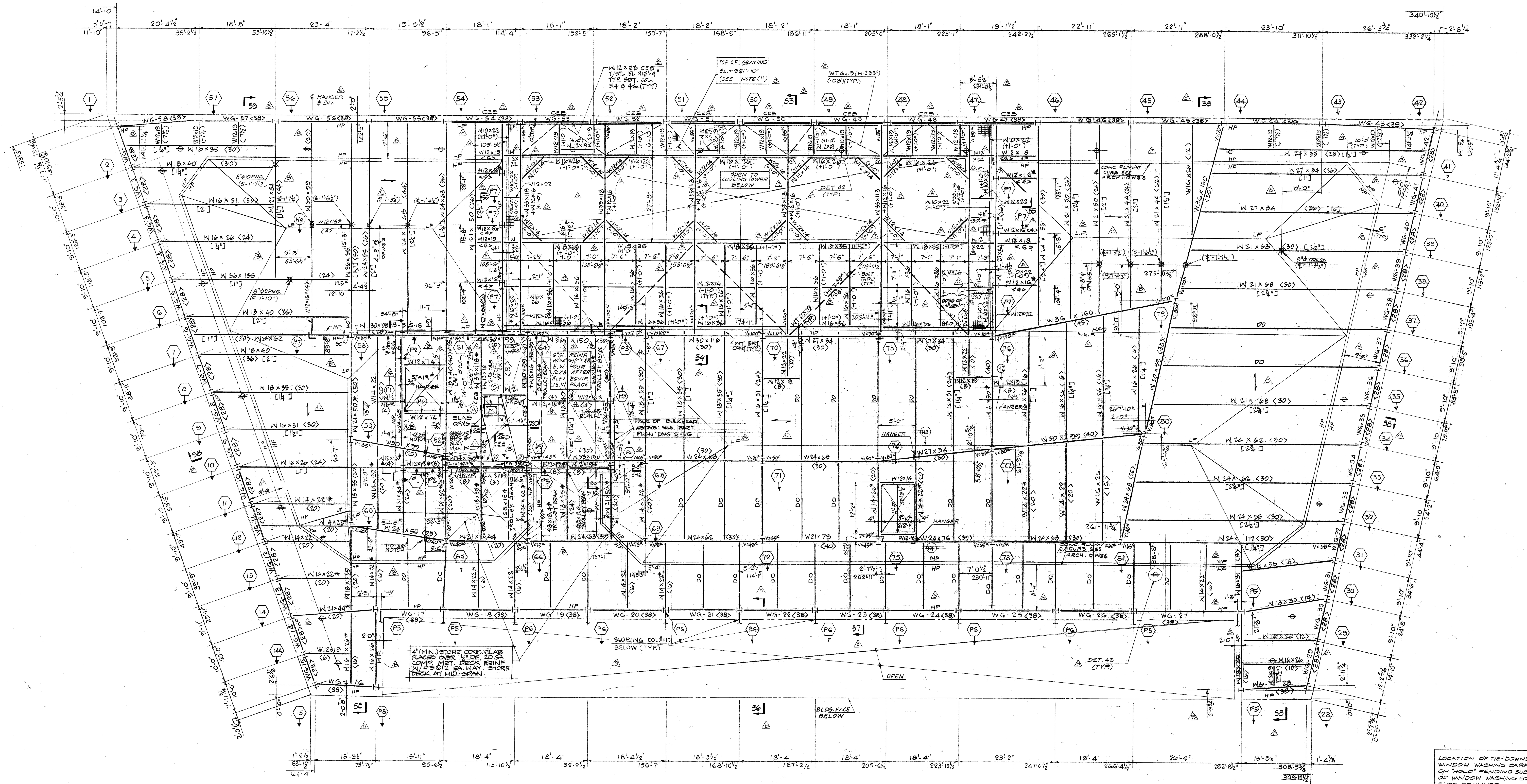
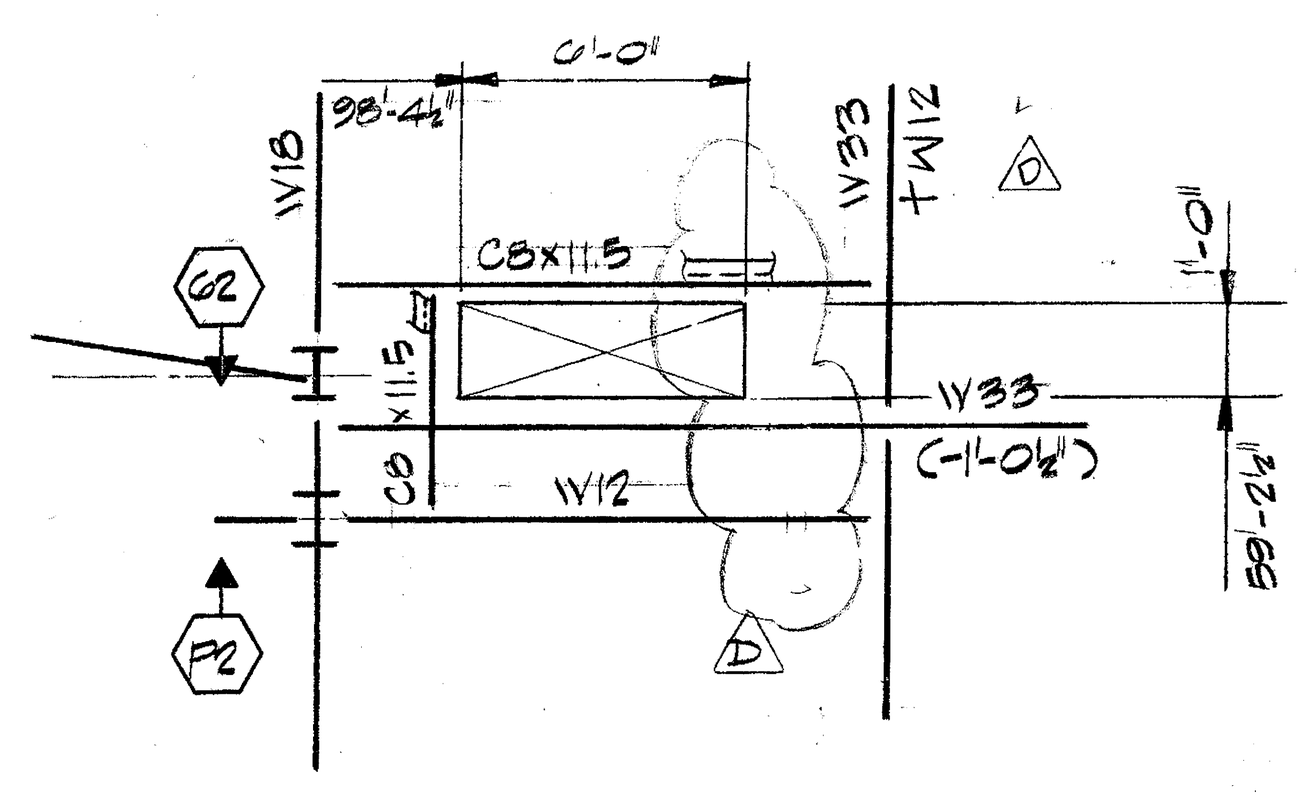


COOLING TOWER AREA GRATING NOTES

1. ALL GRATING IN COOLING TOWER AREA TO BE GALVANIZED STEEL, WELDED RECTANGULAR TYPE 2½" DEEP WITH SIZES SPECIFIED IN THE SPECIFICATION SECTION 5B, INCLUDING ADDENDUM TO DATE.
2. GALVANIZED STEEL GRATING SHALL BE HOT DIPPED AND HAVE A MIN. COAT THICKNESS OF 2½ OZ. PER SQUARE FOOT OF SURFACE AND BE RUN THROUGH A STRAIGHTENING MACHINE AFTER GALVANIZED TO INSURE AGAINST WARPAGE.
3. GRATING TO BE SECURED TO SUPPORTING STEEL BY TACK WELDS ON 9" CENTERS UNLESS OTHERWISE NOTED.



* PART PLAN AT ROOF

ELEV. REACTIONS @ ROOF MACH. RM. ONLY *	
A	6.9K
B	24.7K
C	10.9K
D	36.1K
ALL REACTIONS HAVE BEEN * DOUBLED FOR INPACT	

NOTES:

1. SLAB TO BE 5½"(3"+2½") MIN. THICK STONE CONCRETE HAVING A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, PLACED OVER 3" DEEP, 20 GAUGE COMPOSITE METAL DECK REINFORCED WITH 6x6 - W2.4 x W2.4 W.W.F. WHERE NOTED IN PLAN, TOP OF STRUCTURAL SLAB SLOPES HP ELEV. = +921'-4" & LP ELEV = +921'-1". U.O.N. IN PLAN
2. TOP OF STEEL TO BE AT ELEV. +920'-7½ UNLESS THUS NOTED (±---) INDICATING DISTANCE ABOVE OR BELOW EL +920'-7½"
3. ALL BEAMS SHALL BE ASTM A572, GRADE 50 STEEL U.O.N. THUS *, WHICH INDICATES A36.
4. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWG. S-24 AND S-24A. FOR SUPERSTRUCTURE GENERAL NOTES SEE DWG. S-20.
5. WIND GIRDER INDICATED "WG" ON PLAN AND SHALL BE OF ASTM A-36 STEEL. FOR FORCES AND SIZES SEE DWG. S-15.
6. ⟨...⟩ - INDICATES SHEAR CONNECTORS.
7. [....] - INDICATES CAMBER.
8. ——- INDICATES BEAM WITH NO FIREPROOFING.
9. FLOOR SLAB SHALL BE SHORED AS PER MANUFACTURER'S REQUIREMENTS.
10. POSTS SCHEDULE SEE DWG. S-12 & FOR HANGER SCHED SEE DWG S-13
11. COORD. LOCATION OF STEEL GRATING WITH ARCH. DWGS.
12. LEGEND:
    - ⊖ TIE-DOWN FOR WINDOW WASHING CARRIAGE
    - ⊠ STEEL BM OPNG & EL IS FROM TOP OF STEEL
    - ‖ NOTCH THRU STEEL
13. "CEB" INDICATES BEAM W/2" (MIN) CONC ENCASEMENT
14. TROLLEY BEAMS TO BE LOCATED BY ELEVATOR CONTRACTOR
15. COORDINATE LOCATION OF SLAB OPNG'S AS NOTED IN PLAN THRU ELEVATOR MACHINE ROOMS WITH THE ELEV. SHOP DWGS.
16. SEE ARCH. DWGS FOR THE LOCATION, SIZE & SLOPE OF CONCRETE RUNWAY & CURBS.

LOCATION OF TIE-DOWNS FOR WINDOW WASHING CARRIAGE ON "HOLD" PENDING SUBMISSION OF WINDOW WASHING EQUIPMENT SHOP DRAWINGS.

ISSUED TO PORT AUTHORITY 1-15-85

ISSUED FOR ARCHITECT'S REVIEW 4-9-85

RELEASED TO FRANKEL STEEL 4-26-85

C EMERY ROTH & SONS REVISED AS NOTED 9-30-85

	DATE	REVISIONS
D	4-18-86	ISSUED TO PORT AUTHORITY
C	10-8-85	REVISED AS CIRCLED
B	9-17-85	REVISED AS CIRCLED
A	5-10-85	ISSUED TO PORT AUTHORITY

ROOF FRAMING PLAN

7 WORLD TRADE CENTER
47 STORY OFFICE BUILDING

BOUNDED BY
VESEY STREET AND BARCLAY STREET
WASHINGTON STREET AND WEST BROADWAY
NEW YORK NEW YORK

EMERY ROTH & SONS P.C.
ARCHITECTS
845 THIRD AVENUE NEW YORK, N.Y. 10022

THE OFFICE OF
IRWIN G. CANTOR P.C.
STRUCTURAL ENGINEERS
919 THIRD AVENUE NEW YORK, N.Y. 10022

SYSKA & HENNESSY
ENGINEERS
11 WEST 42ND STREET NEW YORK, N.Y. 10036

DATE: SCALE:

STATE OF NEW YORK · IRWIN G. CANTOR · 32548 · LICENSED PROFESSIONAL ENGINEER

DWG. S-14