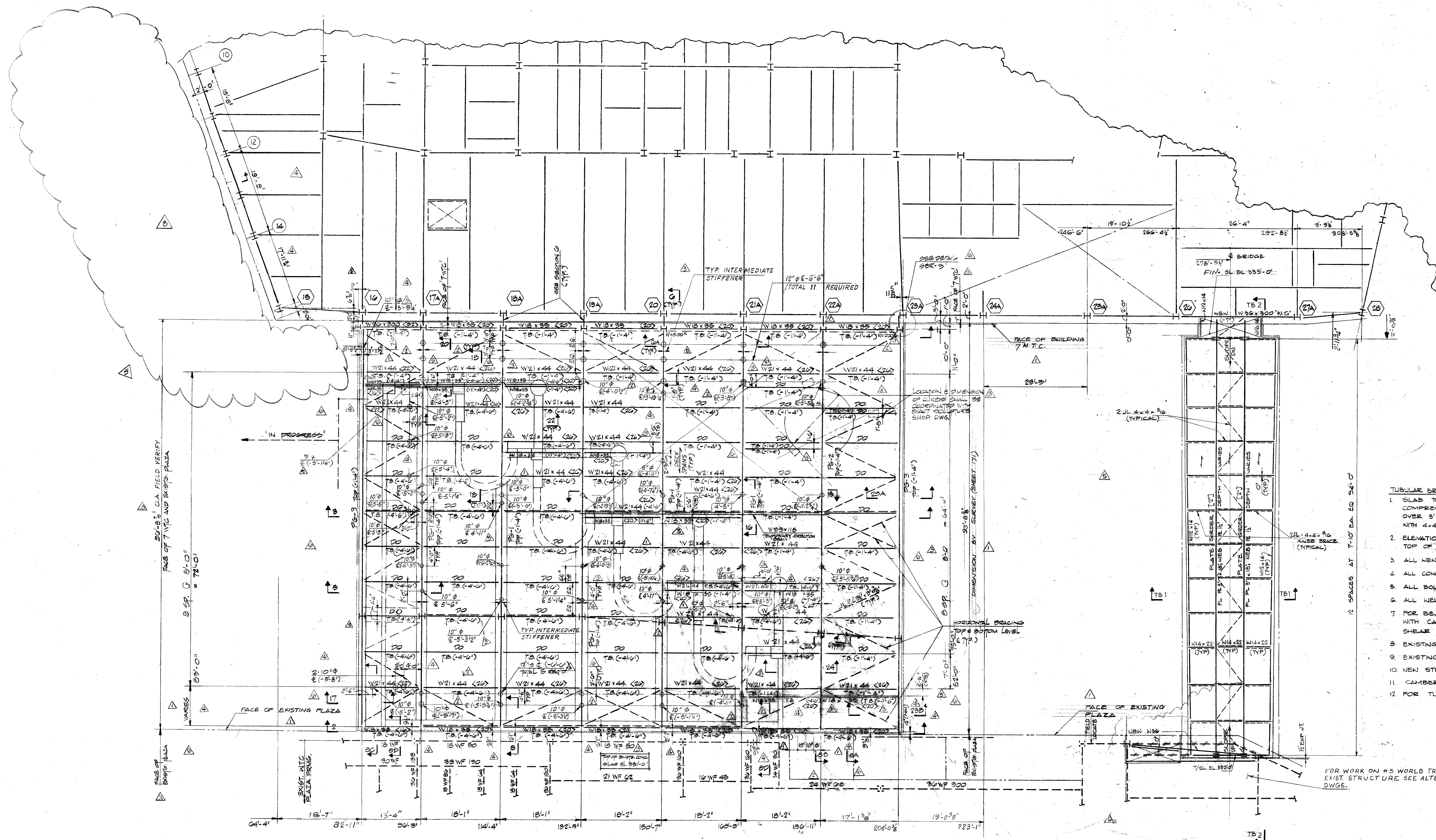




- TUBULAR BRIDGE NOTES:**
1. SLAB TO BE 7" (3" + 4") THICK STONE CONCRETE HAVING A COMPRESSIVE STRESS OF 3500 P.S.I. AT 28 DAYS, PLACED OVER 3" DEEP 30 GA COMPOSITE METAL DECK REINFORCED WITH 4-4" x 11-4" W.I.R. N.W.F.
 2. ELEVATION OF TOP OF SLAB VARIES AS SHOWN ON PLAN. TOP OF ALL STEEL - 7' BELOW TOP OF SLAB U.O.N.
 3. ALL NEW STEEL SHALL BE ASTM A-36 HAVING $F_y = 36$ K.S.I.
 4. ALL CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED.
 5. ALL BOLTS TO BE $\frac{3}{4}$ " MIN. A-325-F AND HOLES TO BE $\frac{1}{8}$ " U.O.N.
 6. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. E-70 XX.
 7. FOR BEAMS MARKED "N.G." PROVIDE MOMENT CONN. AT SUPPORTS WITH CAPACITY OF 80 FT.-KIPS. IN ADDITION TO STANDARD SHEAR CONNECTION.
 8. EXISTING STEEL TO REMAIN SHOWN THUS ---
 9. EXISTING STEEL TO BE REMOVED SHOWN THUS - - - -
 10. NEW STEEL SHOWN THUS + + + +
 11. CAMBER SHOWN THUS [.....]
 12. FOR TUBULAR BRIDGE SECTIONS & DETAILS SEE SHEET SDR 8.

ISSUED 9-24-85

TUBULAR BRIDGE LOADING SCHEDULE	
DEAD LOAD	
TUBULAR SKIN OF CURVED SURFACE	12 PSF
7" STONE CONCRETE SLAB (3" + 4")	63 PSF
STEEL V.W.O.H.T.	23 PSF
4" FILL & FINISH	50 PSF
TOTAL	150 PSF
LIVE LOAD	
BRIDGE LOAD ON CURVED SURFACE	20 PSF
LIVE LOAD	100 PSF
TOTAL	120 PSF

PLAZA BRIDGE LOADING SCHEDULE	
LIVE LOAD	
EARTH (MOIST 4'-0" DEEP)	480
CEILING, HANGING MECHANICAL, MISCELLANEOUS	47
DECK	30
PLAZA LIVE LOAD	100
TOTAL	717 PSF
DEAD LOAD	
8" CONCRETE (STONE) SLAB	85
TOTAL LOAD	802

- NOTES:**
1. SLAB TO BE 7" (3" + 4") THICK STONE CONCRETE HAVING A COMPRESSIVE STRESS OF 3500 P.S.I. AT 28 DAYS, PLACED OVER 3" DEEP 30 GA COMPOSITE METAL DECK REINFORCED WITH 4-4" x 11-4" W.I.R. N.W.F. AT TOP AND #4 @ 12" O.C. BOTTOM (EACH WAY) U.O.N.
 2. TOP OF SLAB TO BE EL. 335'-0" (CONFORM 335'-0" ELEV.)
 3. TOP OF STEEL TO BE 6' BELOW TOP OF SLAB U.O.N. ON PLAN. THIS (2.....) INDICATING DISTANCE ABOVE OR BELOW ELEVATION OF 335'-0".
 4. ALL STEEL SHALL BE ASTM A-36 U.O.N.
 5. BOLTER CONNECTIONS TO BE 3/4" x 1/2" HIGH INDICATED.
 6. THE GENERAL NOTES & SPECIFICATIONS TO BE SAME AS EXIST BUILDING UNLESS OTHERWISE NOTED.
 7. CENTER LINE ELEVATION OF BEAM CUTS IS A DISTANCE BELOW EL. 335'-0".
 8. FOR SECTIONS & DETAILS SEE DWG. SDR-2, SDR-3 & SDR-6.
 9. METAL DECK TO BE SHORED AS PER MANUFACTURER'S REQUIREMENTS.

4-30-87	REVISED AS CIRCLED
4-14-86	ISSUED TO PERMIT AUTHORITY
2-24-86	REVISED AS CIRCLED
1-10-86	ADDED TUBULAR BRIDGE SECTION 11 REVISED AS CIRCLED
12-21-85	REVISED AS CIRCLED
11-14-85	REVISED AS CIRCLED
10-14-85	REVISED AS CIRCLED
10-7-85	REVISED AS NOTED & ADDED OPENINGS

DATE	REVISIONS
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PLAZA BRIDGE
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: 1/8" = 1'-0"
DWG.	SBR-1