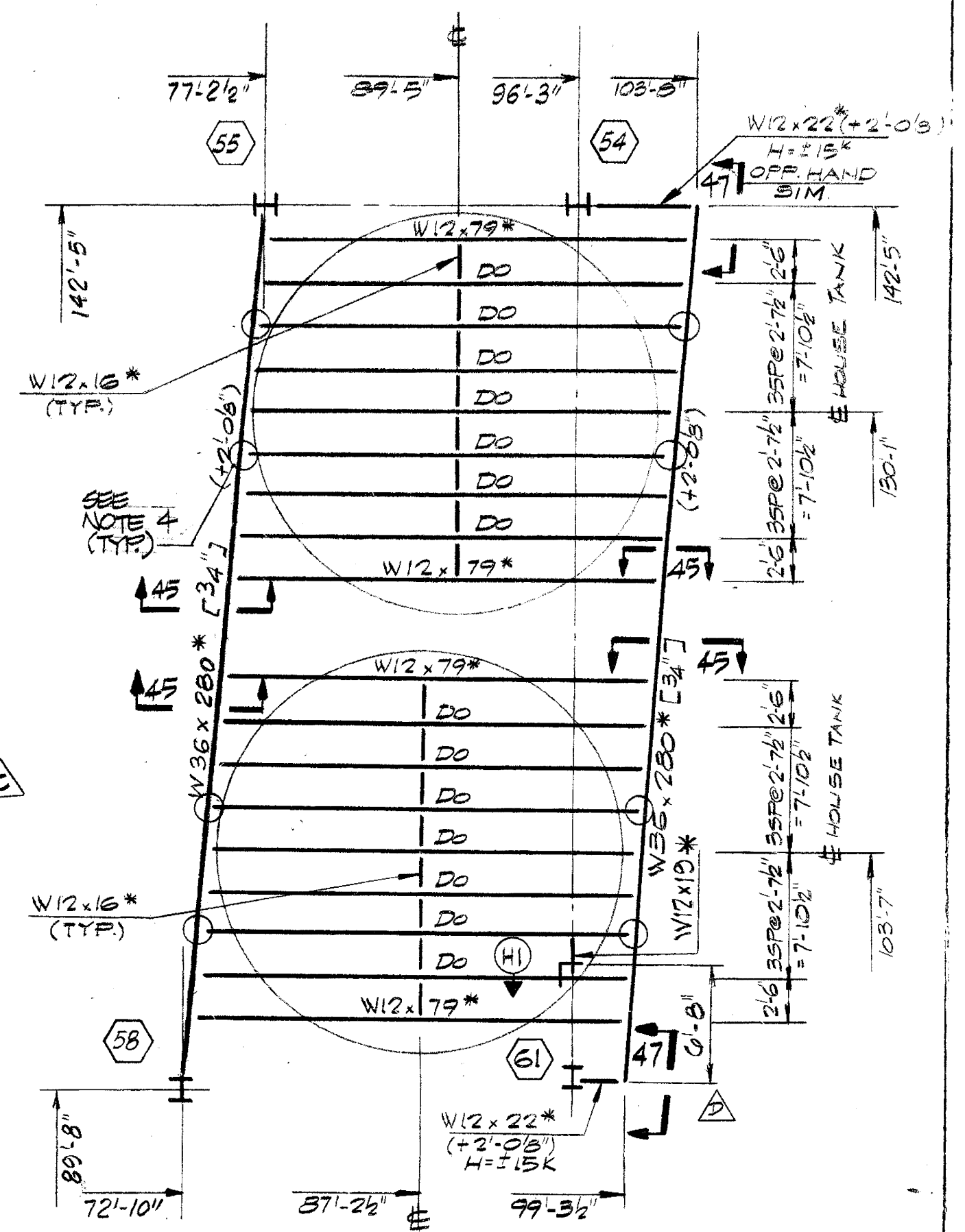
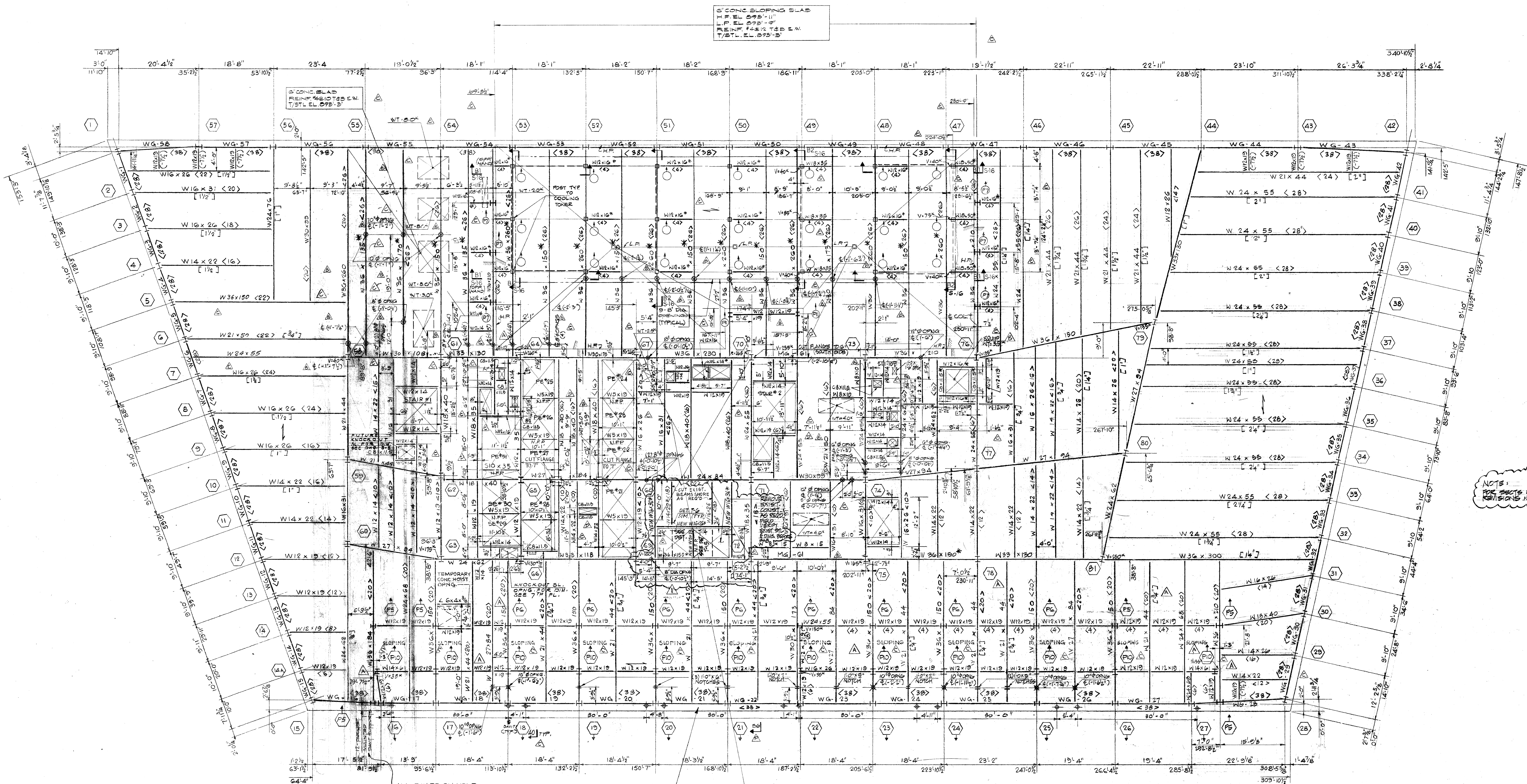




- PART PLAN AT HOUSE TANK**
1. TOP OF STEEL ELEV. SHALL BE 100'-0" U.O.N. THIS NOTED IN PLAN (ELEV.) WHICH ELEV. SHALL BE WITH RESPECT TO EL. 100'-0" U.O.N.
  2. COORDINATE THE LOCATION OF STEEL WITH MECH. DWS'S
  3. ALL BEAMS SHALL BE ASTM A572, GRADE 50 STEEL U.O.N. THIS \* INDICATING STEEL SHALL BE ASTM A36, GRADE 36 STEEL.
  4. PROVIDE FULL DEPTH CONNECTION AT ALL CIRCLED LOCATIONS.

NOTE: FOR SECTIONS & DETAILS (PREPARE IT) RELATING TO REVISIONS NO. 1 & 2 ABOVE SEE DRAWING S-106.

| POST SCHEDULE: (46TH THRU ROOF & BULKHEAD) |          |                                    |
|--------------------------------------------|----------|------------------------------------|
| MARK.                                      | SIZE     | REMARKS                            |
| P2, P3 & P4                                | W14x90*  |                                    |
| P5                                         | W14x90*  |                                    |
| P6                                         | W14x120* |                                    |
| P7                                         | W10x45*  | PROVIDE TOP VERT. SLIDING CONNECT. |
| P8                                         | W8x35*   | PROVIDE TOP VERT. SLIDING CONNECT. |
| P9                                         | W8x35*   | PROVIDE TOP VERT. SLIDING CONNECT. |
| P10                                        | W14x109  | SLOPING COLUMN AT 46TH TO ROOF     |
| P11                                        | W8x15*   |                                    |

- NOTES:**
1. SLAB TO BE 5" (5" + 2") THICK STONE CONCRETE HAVING A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, PLACED OVER 5" DEEP, 20 GAUGE COMPOSITE METAL DECK REINFORCED WITH 6x6 - 1/2" X 1/4" W.W.F. TOP OF SLAB EL. + 100'-0" U.O.N.
  2. TOP OF STEEL TO BE 5' BELOW FINISHED FLOOR SLAB U.O.N. THIS (ELEV.)
  3. ALL BEAMS SHALL BE ASTM A572, GRADE 50 STEEL U.O.N. THIS \* INDICATING STEEL SHALL BE ASTM A36, GRADE 36 STEEL.
  4. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWG. S-24 AND S-29A. 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-13.
  6. (---) - INDICATES SHEAR CONNECTORS.
  7. (---) - INDICATES CAMBER.
  8. N.F.P. - INDICATES BEAM WITH NO FIREPROOFING.
  9. FLOOR SLAB SHALL BE SHORED AS PER MANUFACTURER'S REQUIREMENTS.
  10. POSTS P5 SHALL BE W14 X 99 A36. POST P6 SHALL BE W14 X 120 A36.
  11. ALL BEAMS W8X10 AND SPANDREL BEAMS W12X10 (-1") TO BE ASTM A-36 STEEL.
  12. LEGEND OF SYMBOLS:
    - 4. DASH MOUNTED PARALLEL SUPPORT
    - CLV. INDICATES LONG LEB VERTICAL
    - X PIPE OPENING THRU STEEL (OF NO. (---))
  13. SEE ARCH. DWGS. FOR LOCATION & SIZE OF CURBS.

ISSUED FOR PRICING ONLY  
UNCOORDINATED 11-25-86

ISSUED TO PORT AUTHORITY 1-15-85

ISSUED FOR ARCHITECT'S REVIEW 3-29-89

RELEASED TO FRANKLIN STEEL 4-11-85

REVISOR AS CIRCLED 4-30-85

| 11-25-86 | REVISOR AS CIRCLED       |
|----------|--------------------------|
| 10-6-85  | REVISOR AS CIRCLED       |
| 9-9-85   | REVISOR AS CIRCLED       |
| 8-10-85  | ISSUED TO PORT AUTHORITY |
| DATE     | REVISIONS                |

**46TH FLOOR FRAMING PLAN**

**7**

**WORLD TRADE CENTER**  
47 STORY OFFICE BUILDING

FOUNDED BY  
VESEY STREET AND BARCLAY STREET  
WASHINGTON STREET AND WEST BROADWAY  
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. 10015

|       |        |
|-------|--------|
| DATE: | SCALE: |
| DWG.  | S-12   |