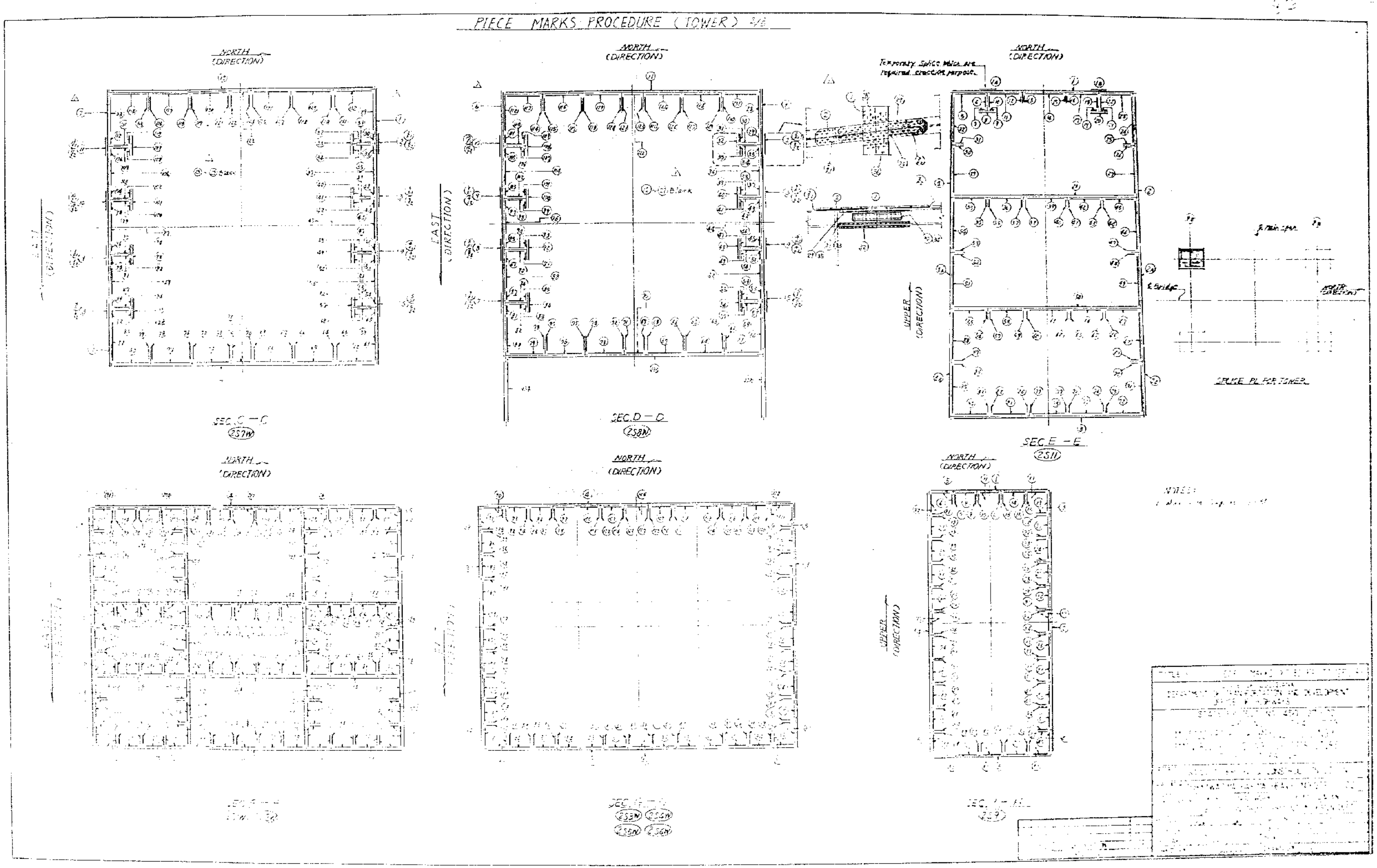
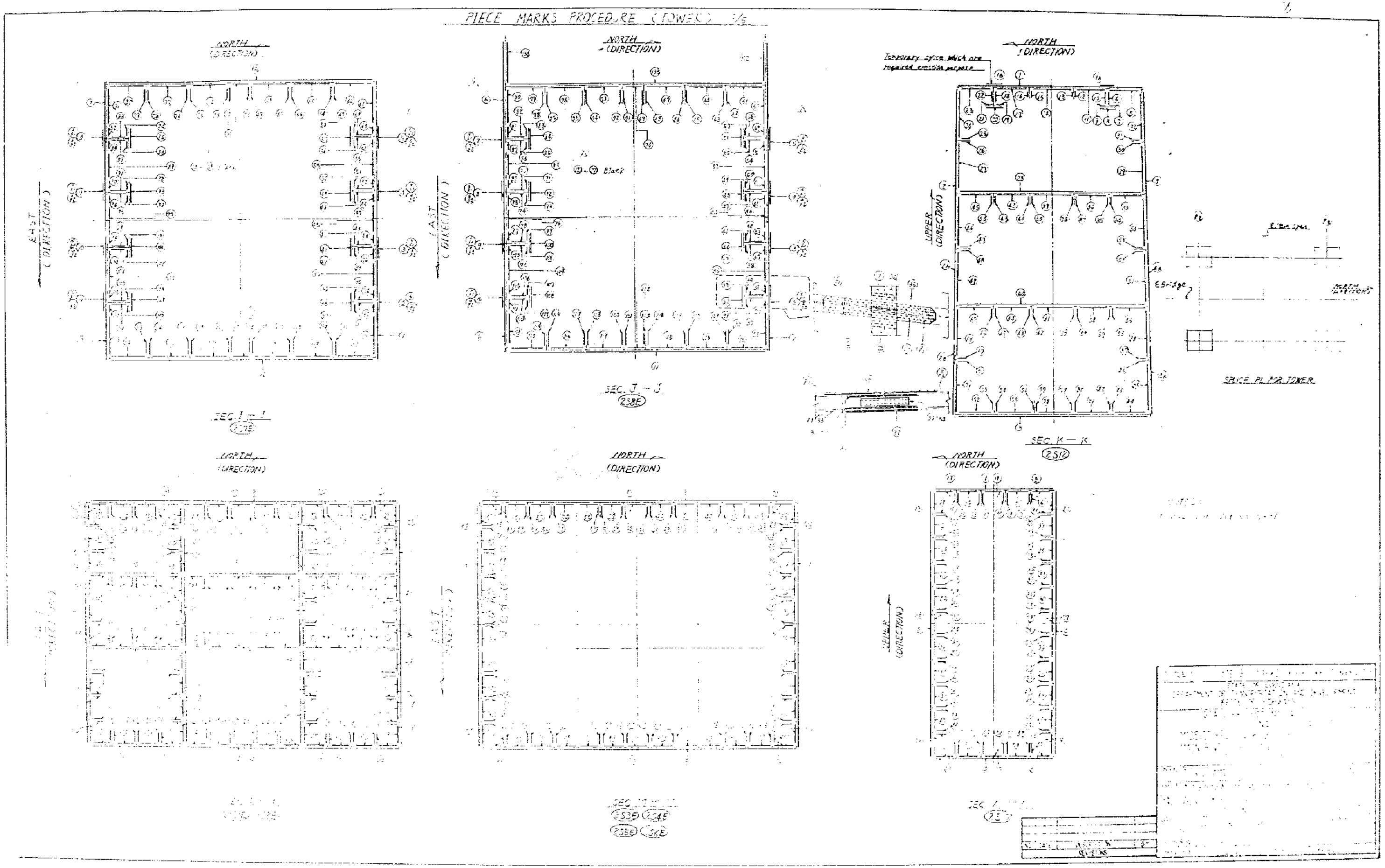
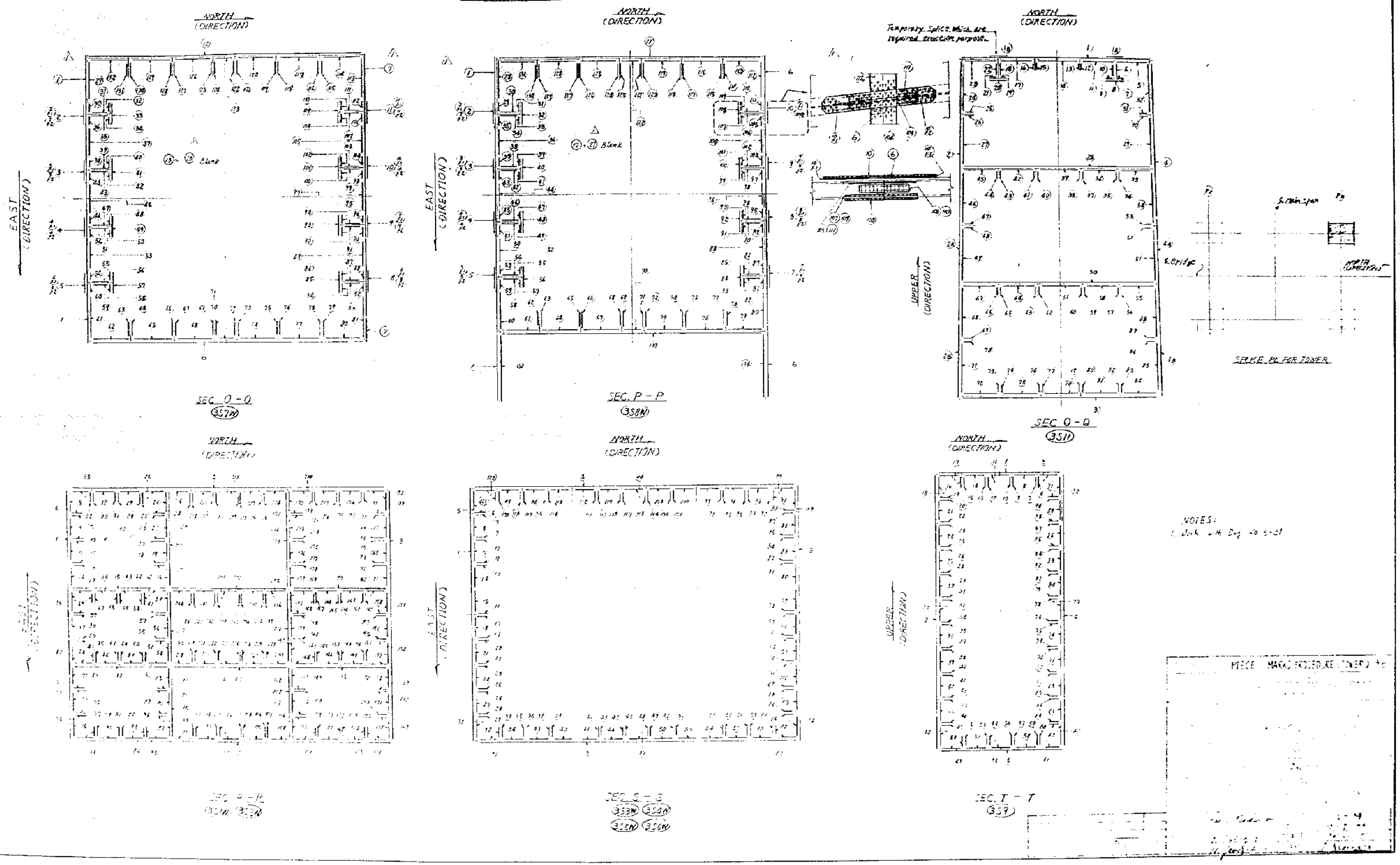


Shop Drawings

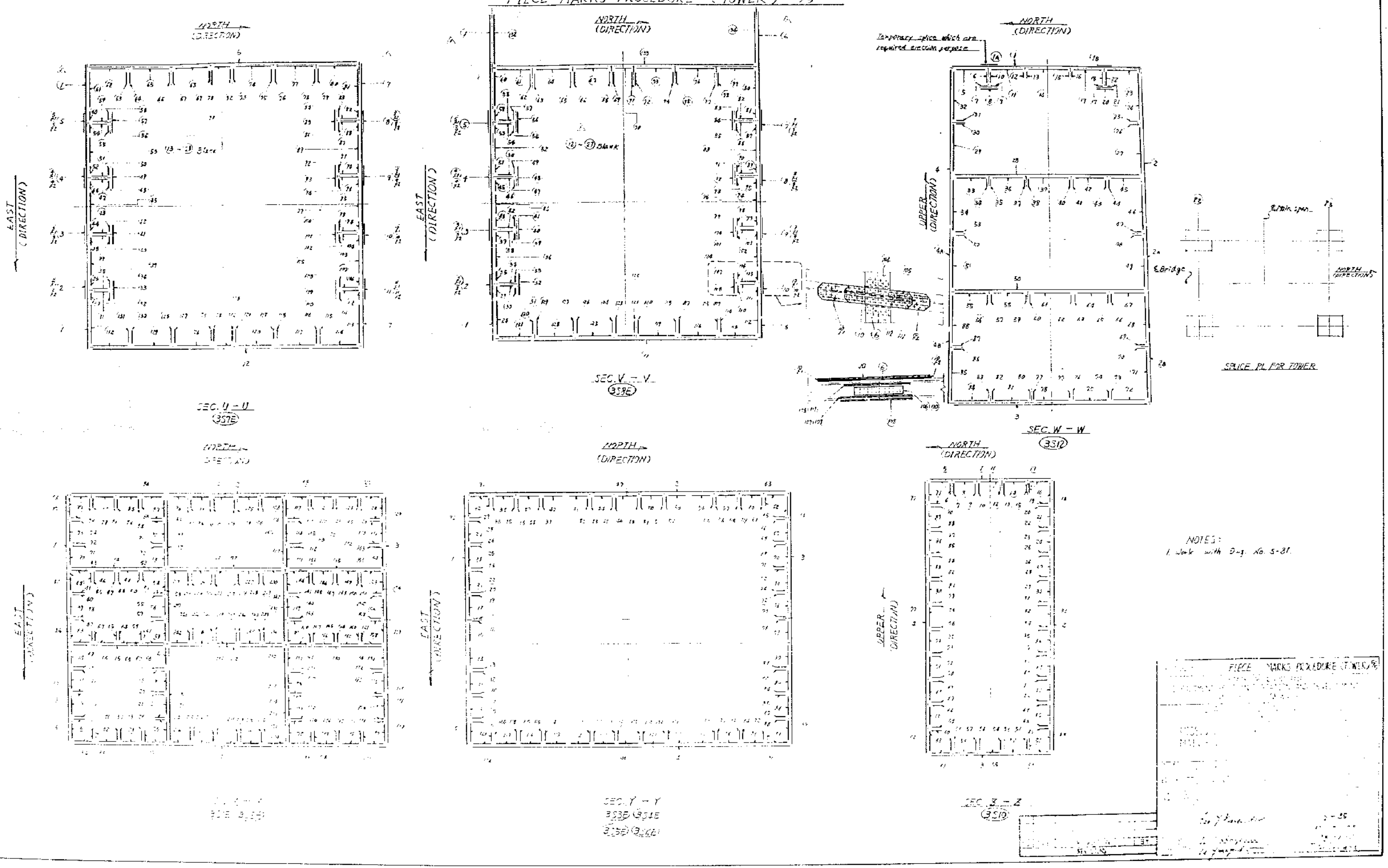


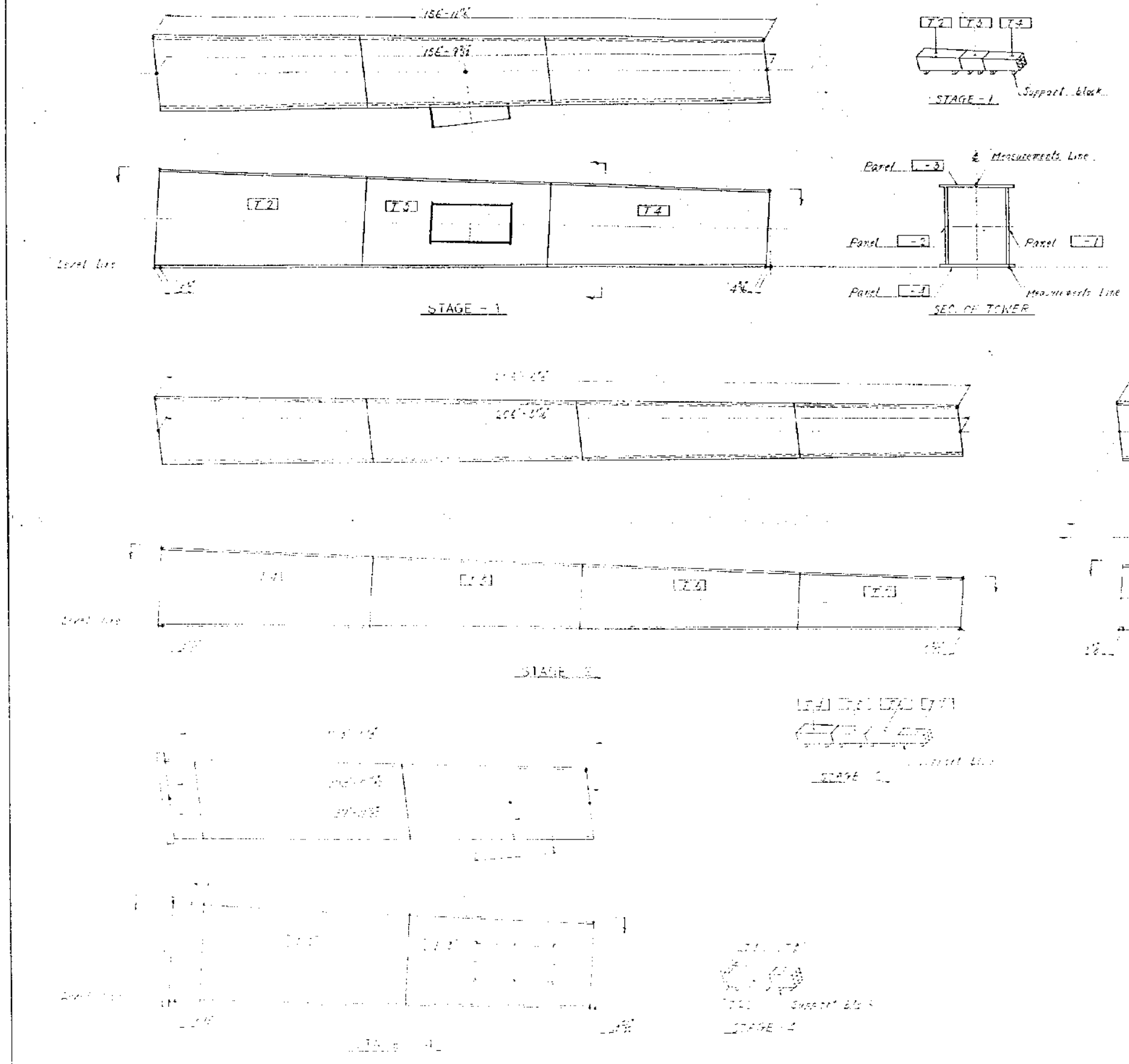
Shop Drawings

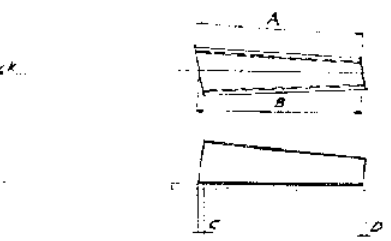
PIECE MARKS PROCEDURE (TOWER) 4/5



PIECE MARKS PROCEDURE (TOWER) 5/5

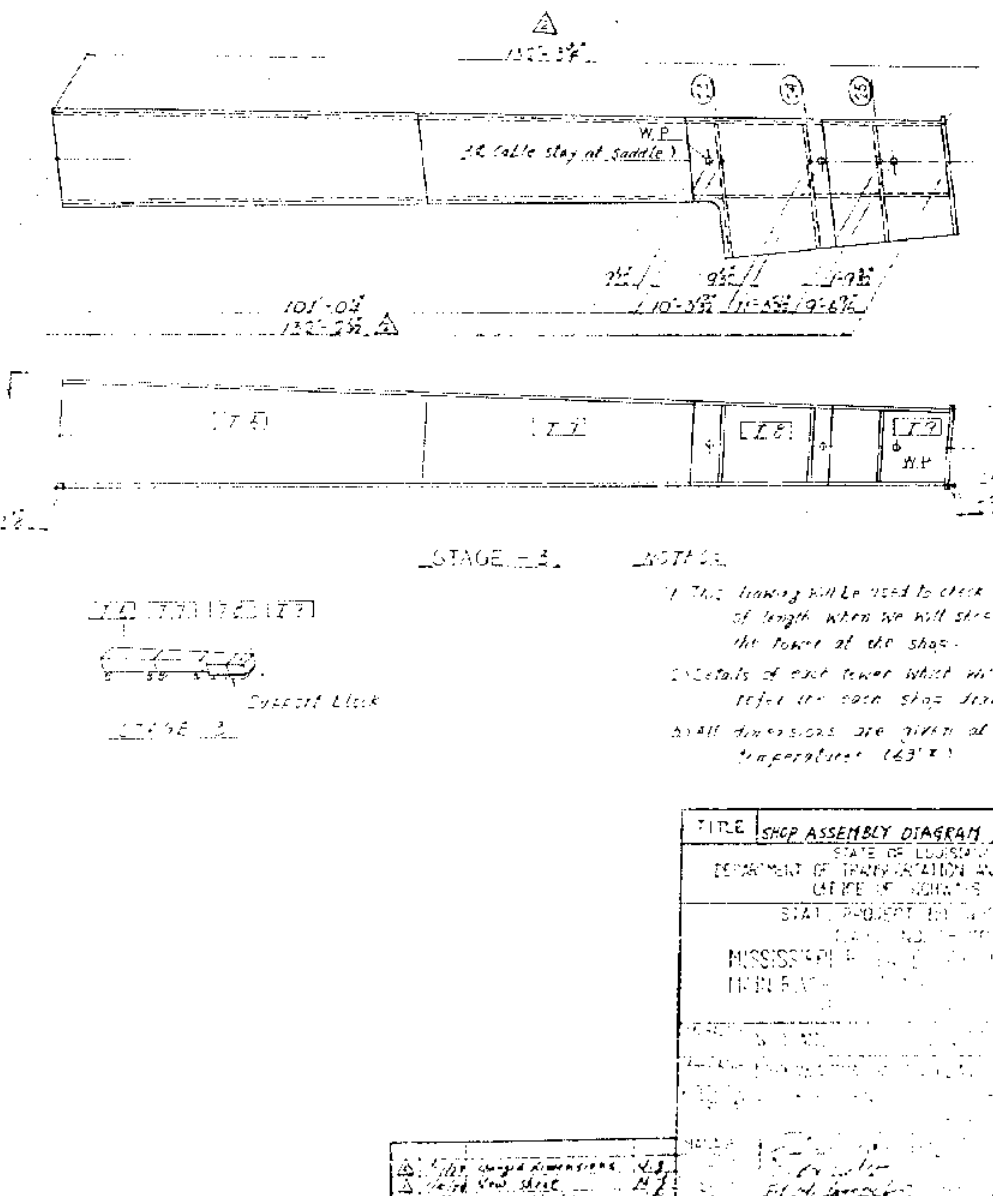






Dimensions of Single block of Tower

Tower	A	B	C	D
T1	7'-6 11/32"	7'-6 3/16"	5 9/16"	5 1/2"
T2	53'-3 11/32"	53'-3 11/32"	5 1/2"	5 1/4"
T3	47'-3 7/16"	47'-2 15/16"	5 1/4"	4 11/32"
T4	56'-4 11/32"	56'-3 5/8"	4 11/32"	4 3/16"
T5	54'-10 1/8"	54'-9 13/32"	4 3/16"	3 3/8"
T6	55'-7 1/32"	55'-6 5/16"	3 3/8"	3 11/32"
T7	39'-9 1/8"	39'-8 11/32"	3 11/32"	2 11/32"
T8	18'-0 11/32"	18'-0 11/32"	2 11/32"	2 11/32"
T9	18'-11 11/32"	18'-11 11/32"	2 11/32"	2 11/32"



NOTES:

1. This drawing will be used to check the measurement of length when we will shop assembled the tower at the shop.
2. Details of each tower which will be fabricated refer the each shop drawings.
3. All dimensions are given at normal temperature (63°F)

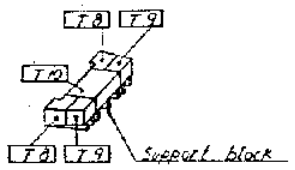
TITLE SHOP ASSEMBLY DIAGRAM FOR TOWER (1/2)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

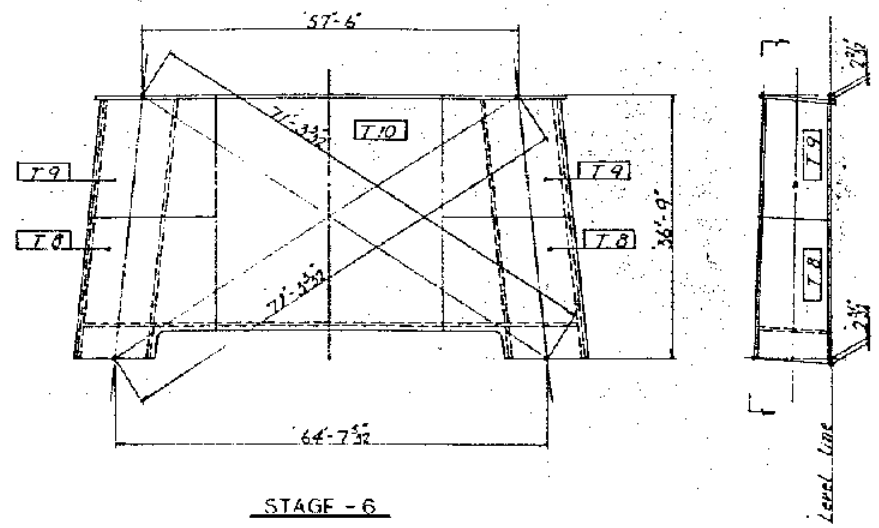
STATE PROJECT NO. [illegible]

MISSISSIPPI [illegible]
MAIN BAY [illegible]

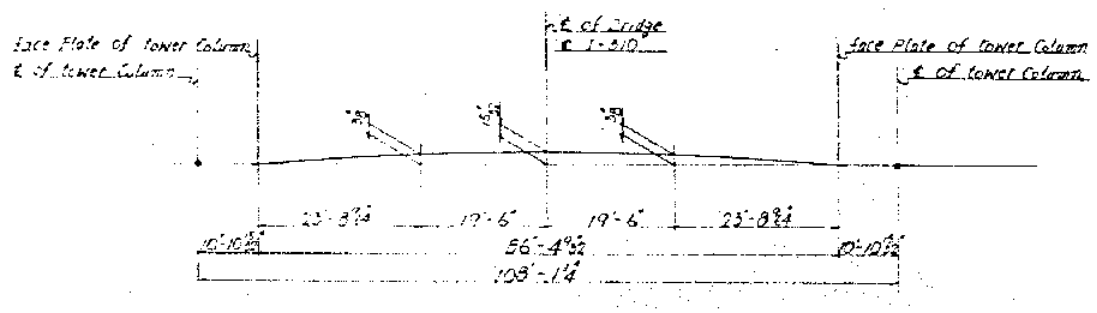
S-86A

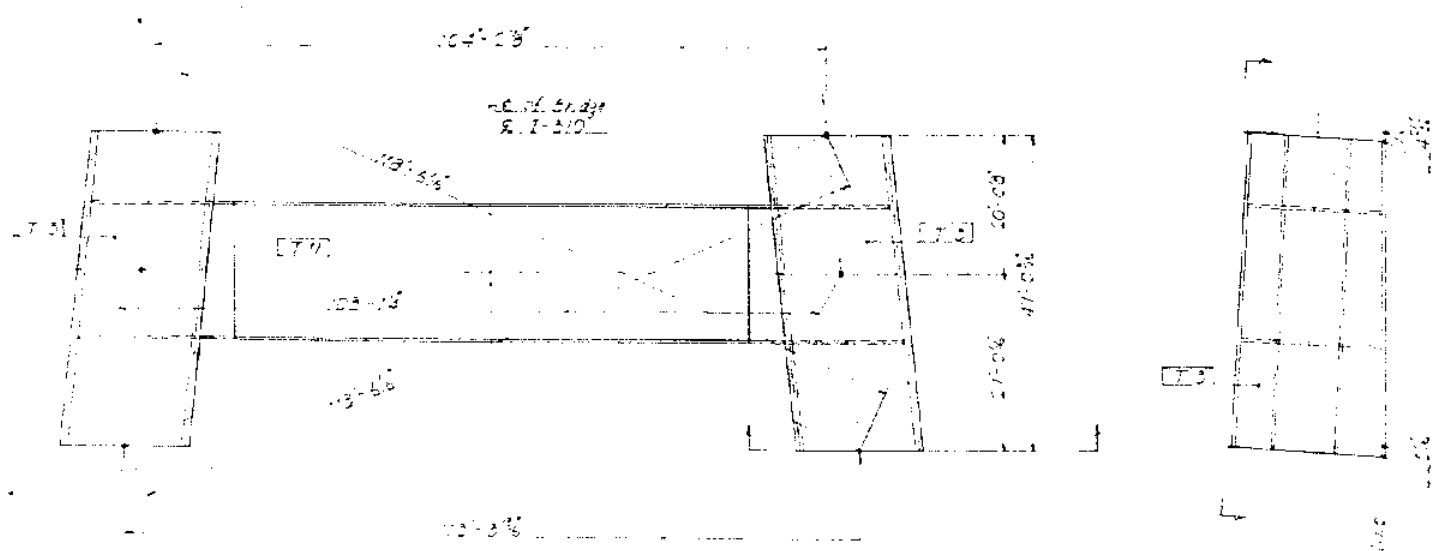


STAGE - 6

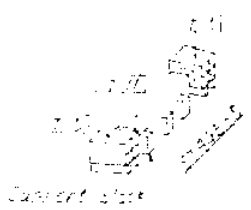


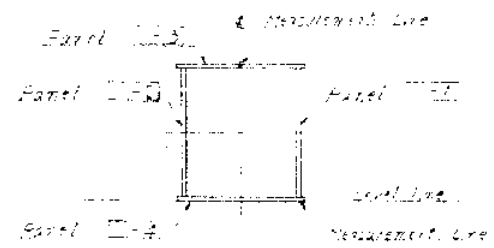
STAGE - 6





STAGE - 6





NOTES:

1) This drawing will be used to check the measurement of length when we will shop assembled the tower at the shop.

2) Details of each tower which will be fabricated refer the each shop drawings.

3) All dimensions are given at normal temperatures. (68° F)

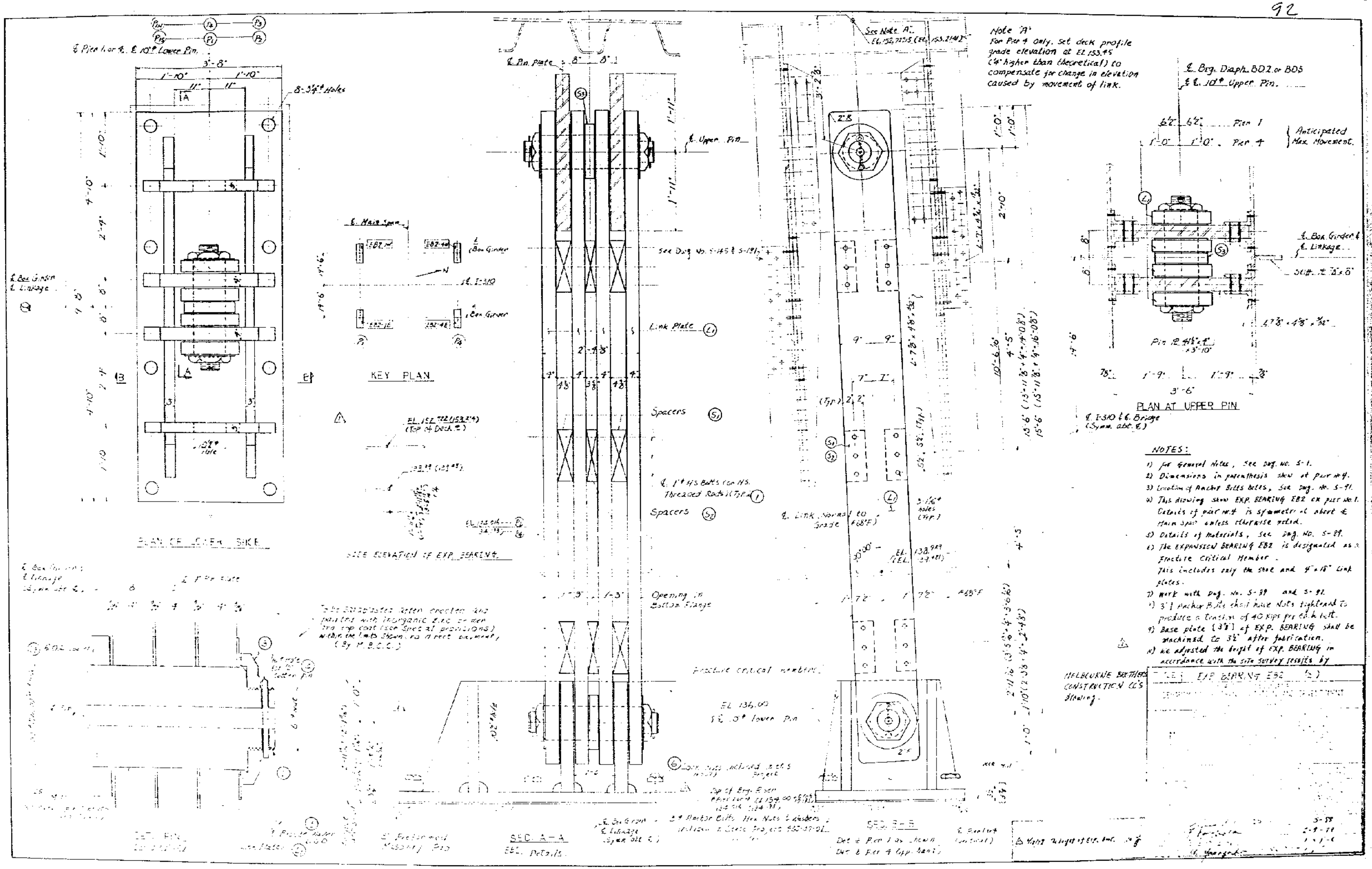
TITLE SHOP ASSEMBLY DIAGRAM FOR TOWER (℄)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

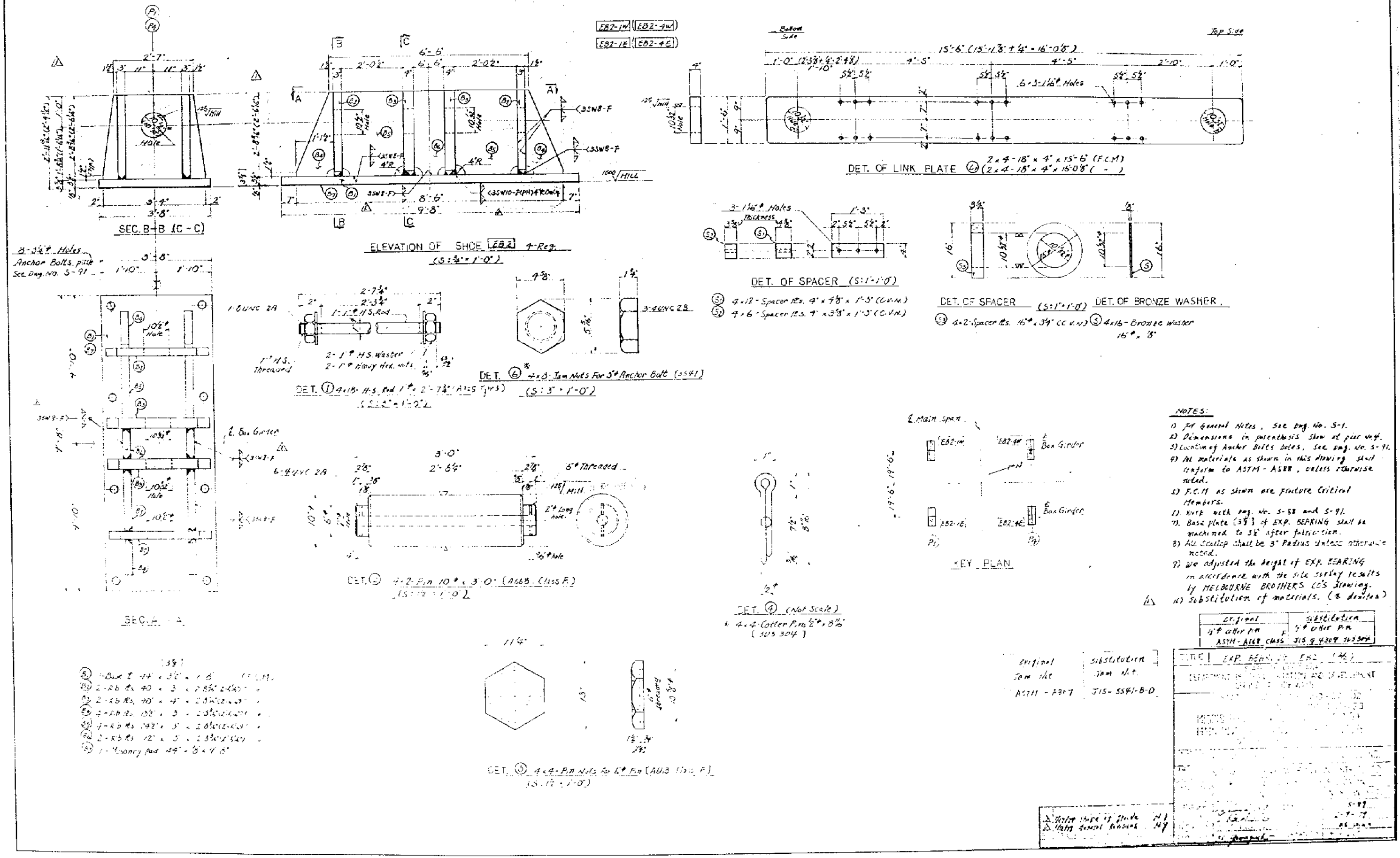
MISSISSIPPI RIVER BRIDGE
MAIN RIVER SPAN

S-97A
1-16-78
3/8" = 1'-0"

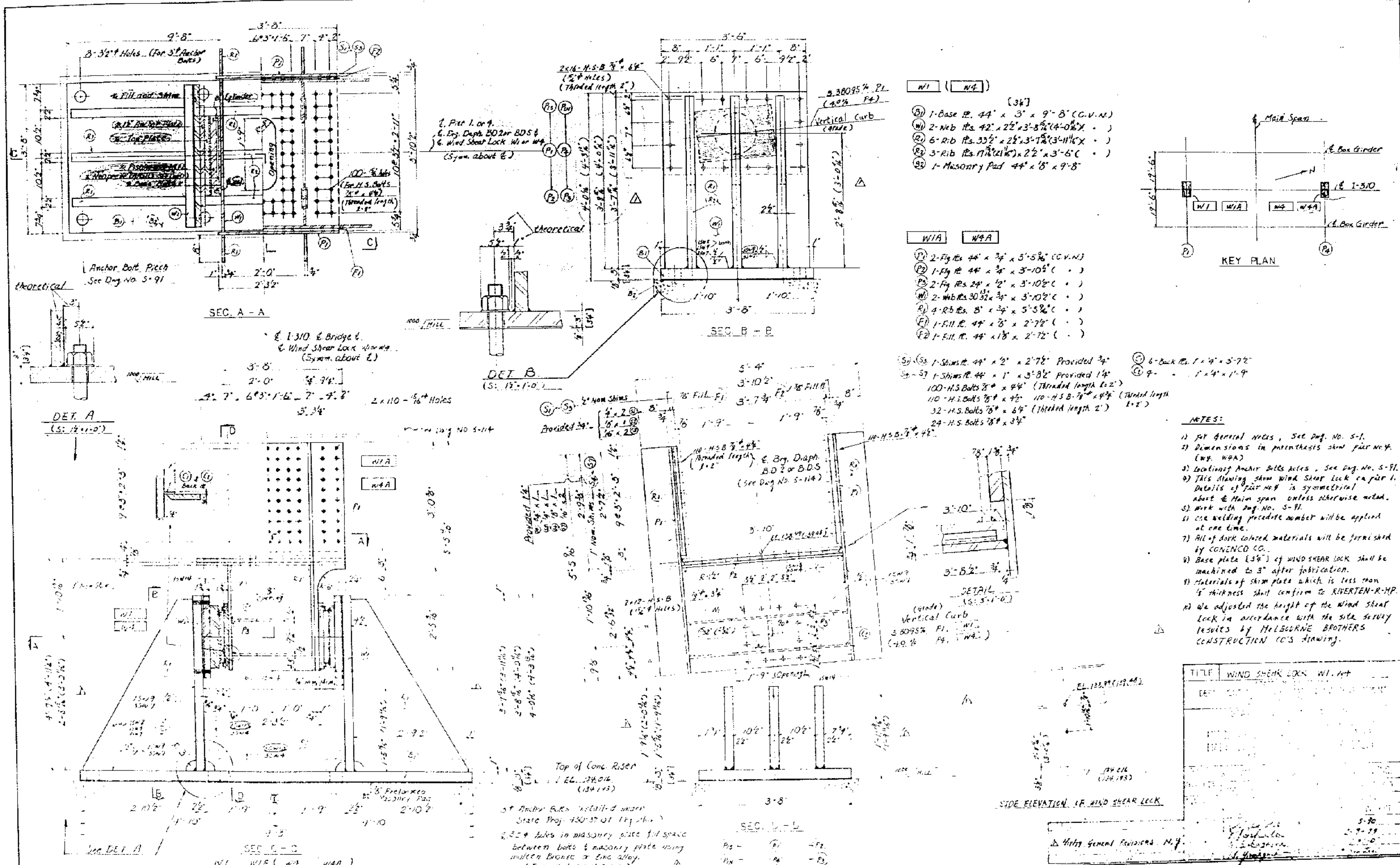
Walling new sheet

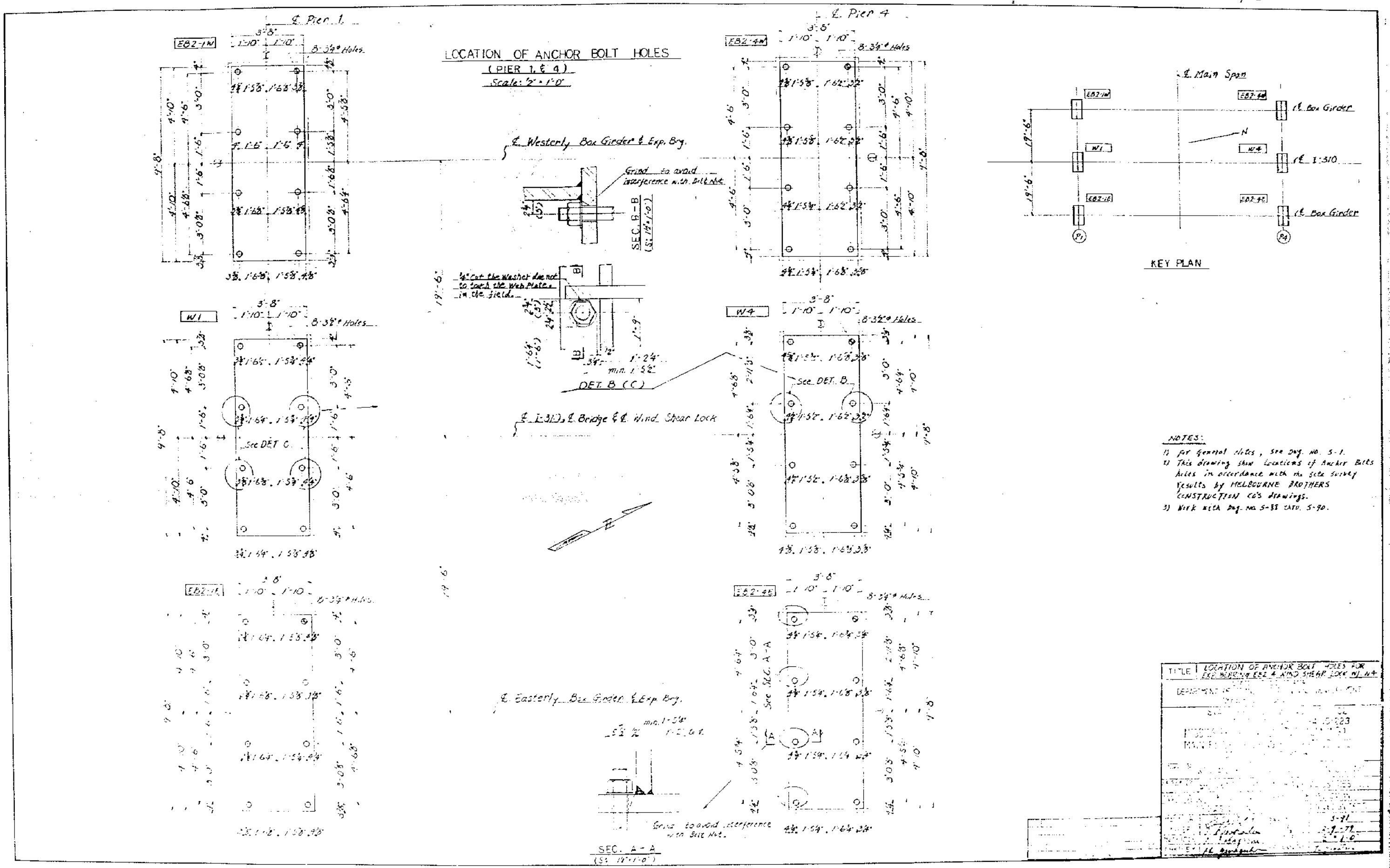


Note 'A'
For Pier 4 only, set deck profile grade elevation at EL 153.45 ('4" higher than theoretical) to compensate for change in elevation caused by movement of link.
PLAN OF LOWER SHOE
KEY PLAN
SIDE ELEVATION OF EXP. BEARING
SEC. A-A
SEC. B-B
PLAN AT UPPER PIN
Anticipated Max. Movement.
Link Plate
Spacers
Opening in Bottom Flange
Fracture critical members
EL 136.00
NOTES:
1) For General Notes, See Dwg. No. S-1.
2) Dimensions in parenthesis show at pier No. 4.
3) Location of Anchor Bolts holes, See Dwg. No. S-91.
4) This drawing show EXP. BEARING EB2 on pier No. 1. Details of pier No. 4 is symmetrical about ℄ Main Span unless otherwise noted.
5) Details of materials, See Dwg. No. S-89.
6) The EXPANSION BEARING EB2 is designated as a Fracture Critical Member. This includes only the shoe and 4"x18" Link plates.
7) Work with Dwg. No. S-89 and S-91.
8) 3" ϕ Anchor Bolts shall have Nuts tightened to produce a tension of 40 kips per each bolt.
9) Base plate [3/8"] of EXP. BEARING shall be machined to 3/2" after fabrication.
10) We adjusted the height of EXP. BEARING in accordance with the site survey results by
MELBOURNE BROTHERS CONSTRUCTION CO'S drawing.
EXP. BEARING EB2

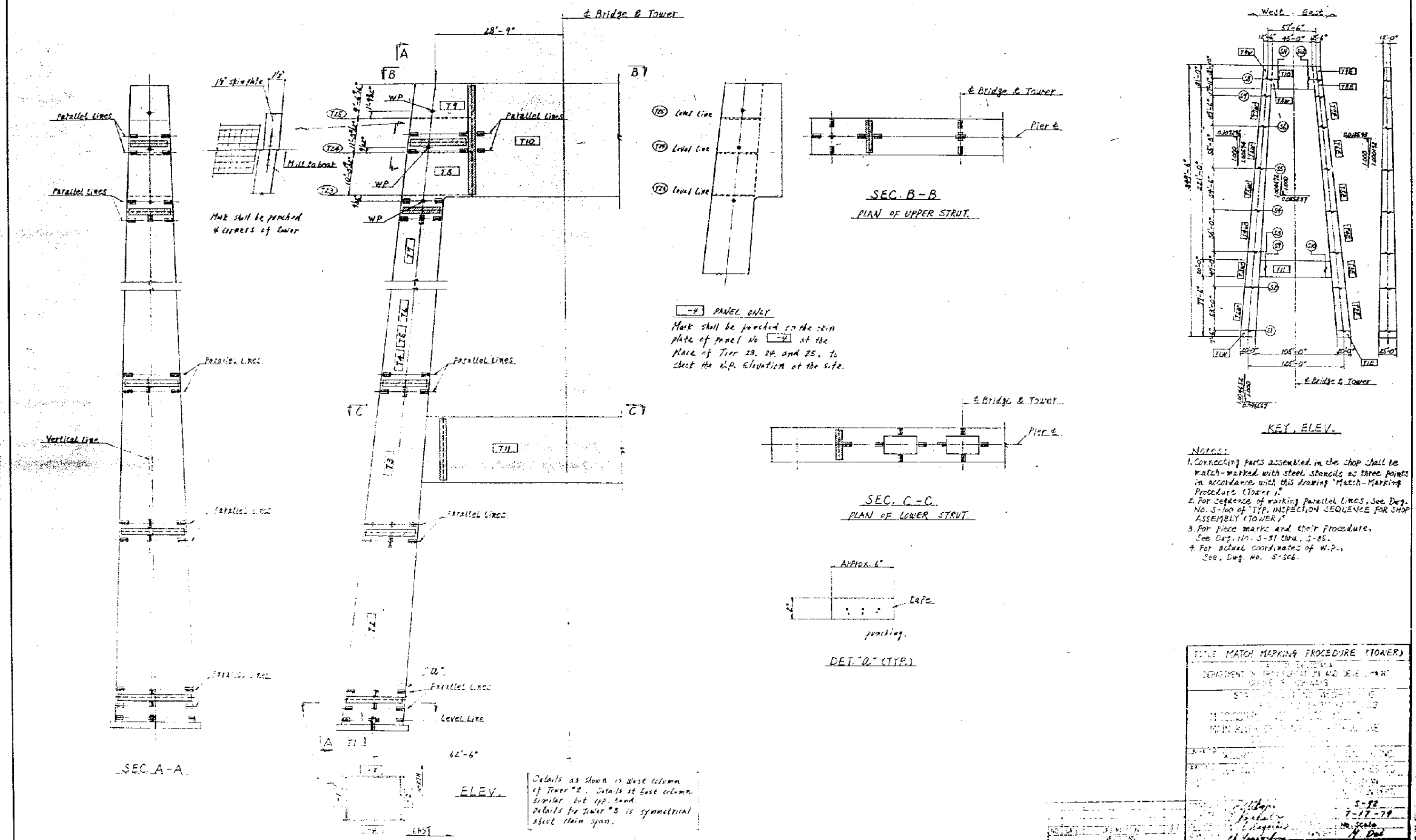


SHOP DRAWINGS


SEC. A – A
DET. A
SEC. B – B
DET. B
SEC. C – C
SEC. D – D
DETAIL
KEY PLAN
SIDE ELEVATION OF WIND SHEAR LOCK
NOTES:
1) For General Notes, See Dwg. No. S-1.
2) Dimensions in parenthesis show pier No. 4. (W4, W4A)
3) Locating Anchor Bolts holes, See Dwg. No. S-91.
4) This drawing show Wind Shear Lock on pier 1. Details of pier No. 4 is symmetrical about ℄ Main span unless otherwise noted.
5) Work with Dwg. No. S-91.
6) One welding procedure number will be applied at one time.
7) All of dark colored materials will be furnished by CONENCO CO.
8) Base plate [3¾"] of WIND SHEAR LOCK shall be machined to 3" after fabrication.
9) Materials of shim plate which is less than ¼" thickness shall conform to RIVERTEN-R-HP.
10) We adjusted the height of the Wind Shear Lock in accordance with the site survey results by MELBOURNE BROTHERS CONSTRUCTION CO'S drawing.
TITLE WIND SHEAR LOCK W1, W4



SHOP DRAWINGS

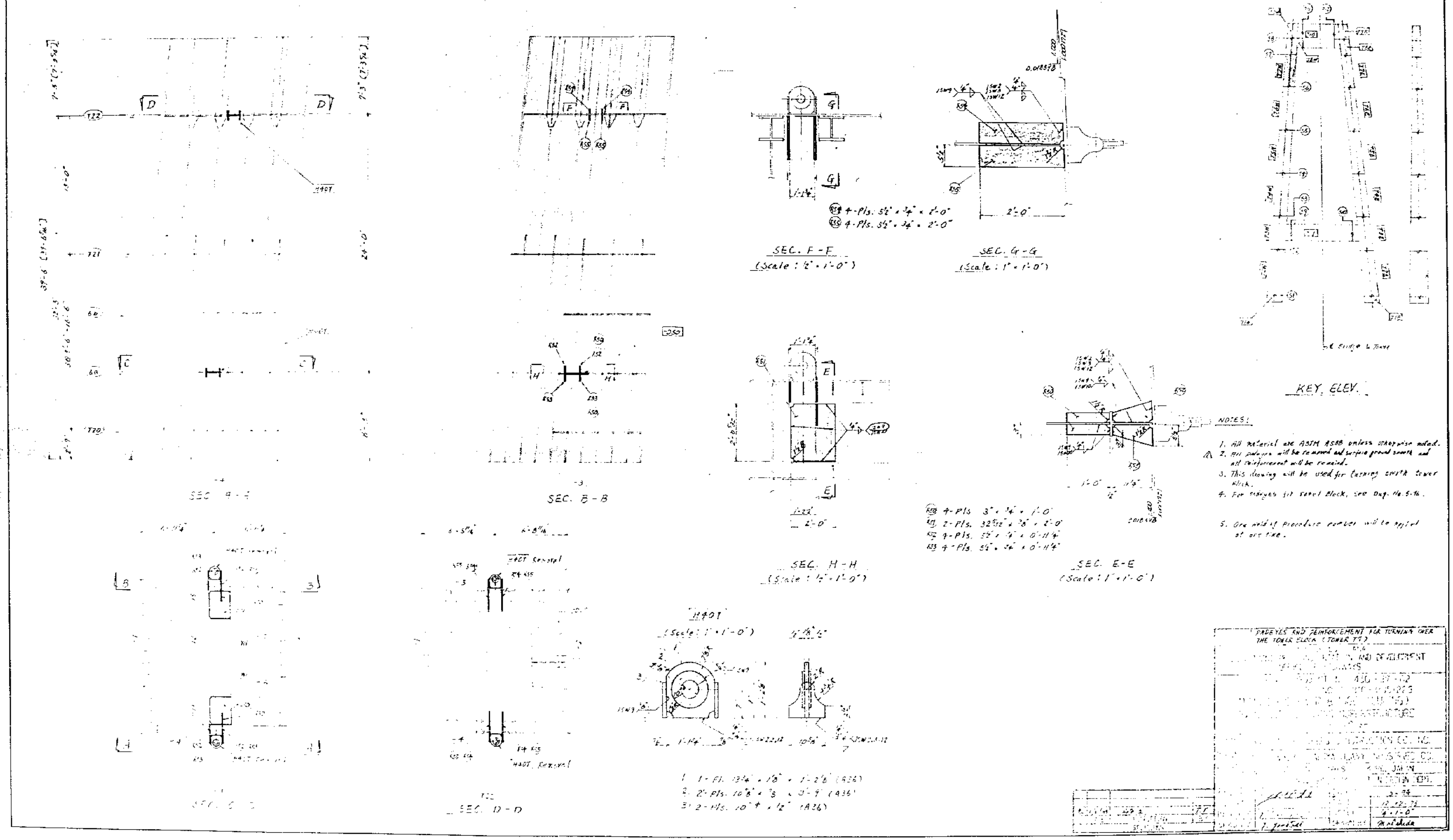


Notes:

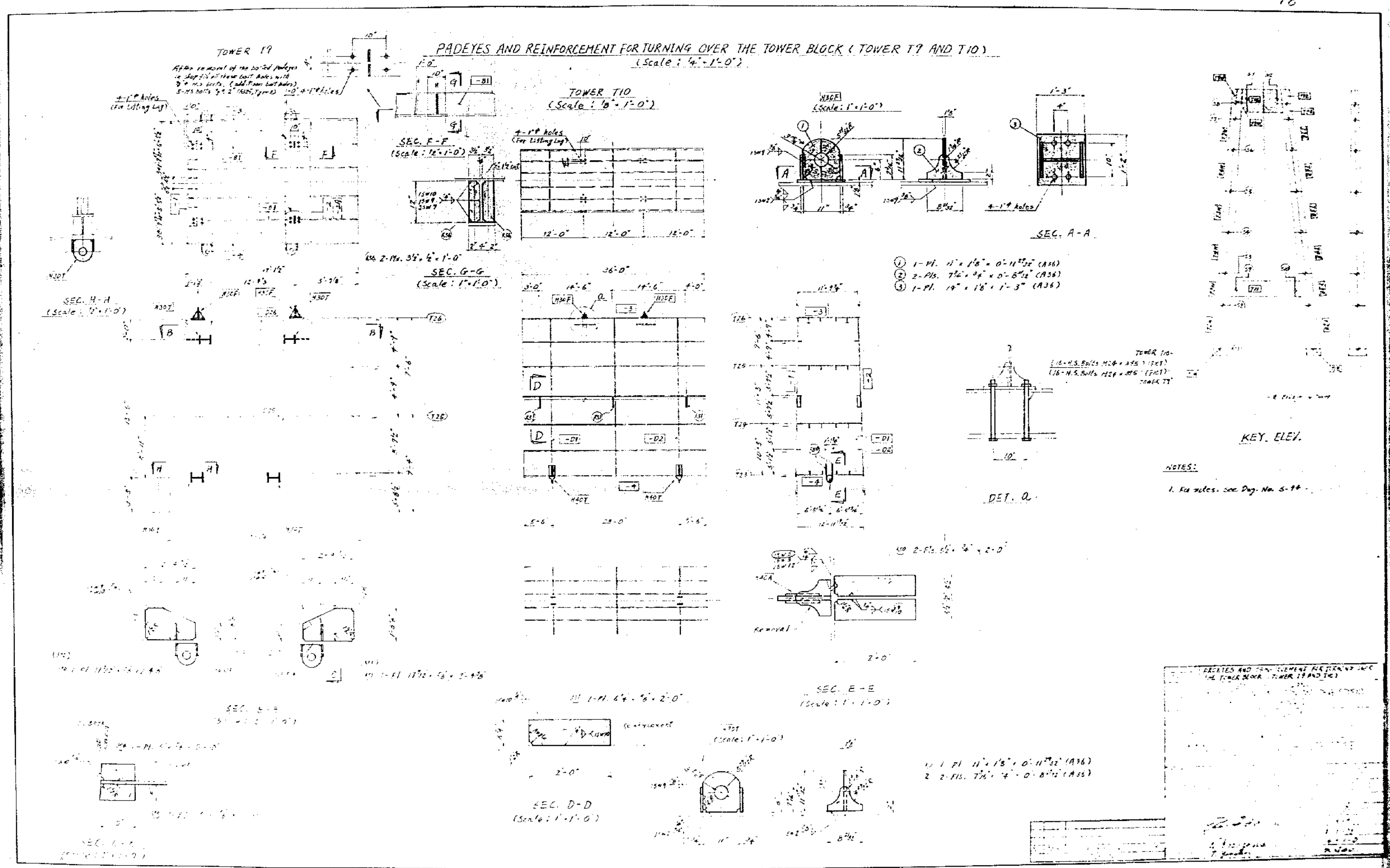
1. Connecting parts assembled in the shop shall be match-marked with steel stencils as three points in accordance with this drawing "Match-Marking Procedure (Tower)".
2. For sequence of marking parallel lines, See Dwg. No. S-100 of "TYP. INSPECTION SEQUENCE FOR SHOP ASSEMBLY (TOWER)".
3. For piece marks and their procedure, See Dwg. No. S-31 thru. S-85.
4. For actual coordinates of W.P., See, Dwg. No. S-56.

PADEYES AND REINFORCEMENT FOR TURNING OVER THE TOWER BLOCK (TOWER T7)

(Scale : ¼" = 1'-0")



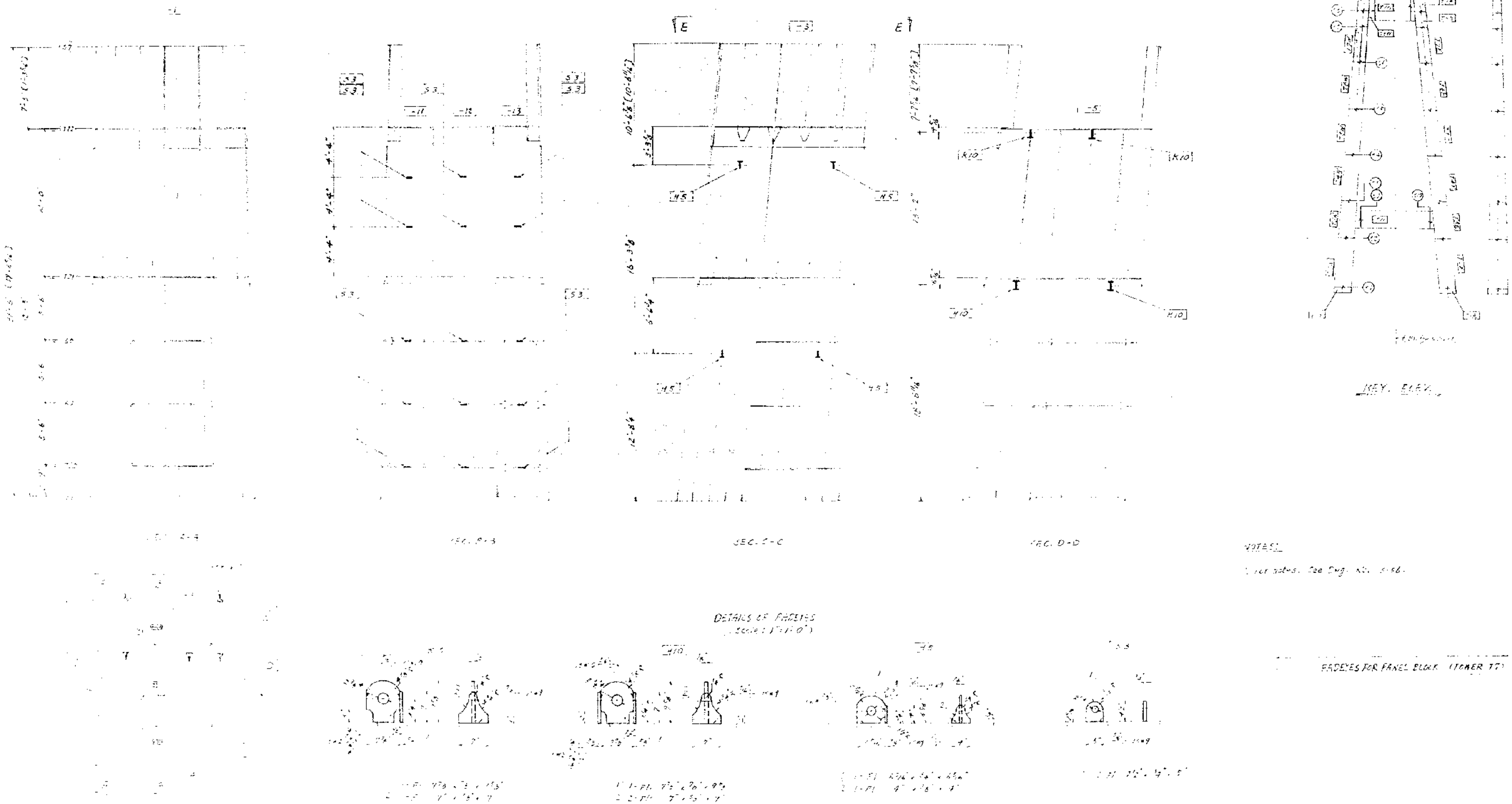
SHOP DRAWINGS

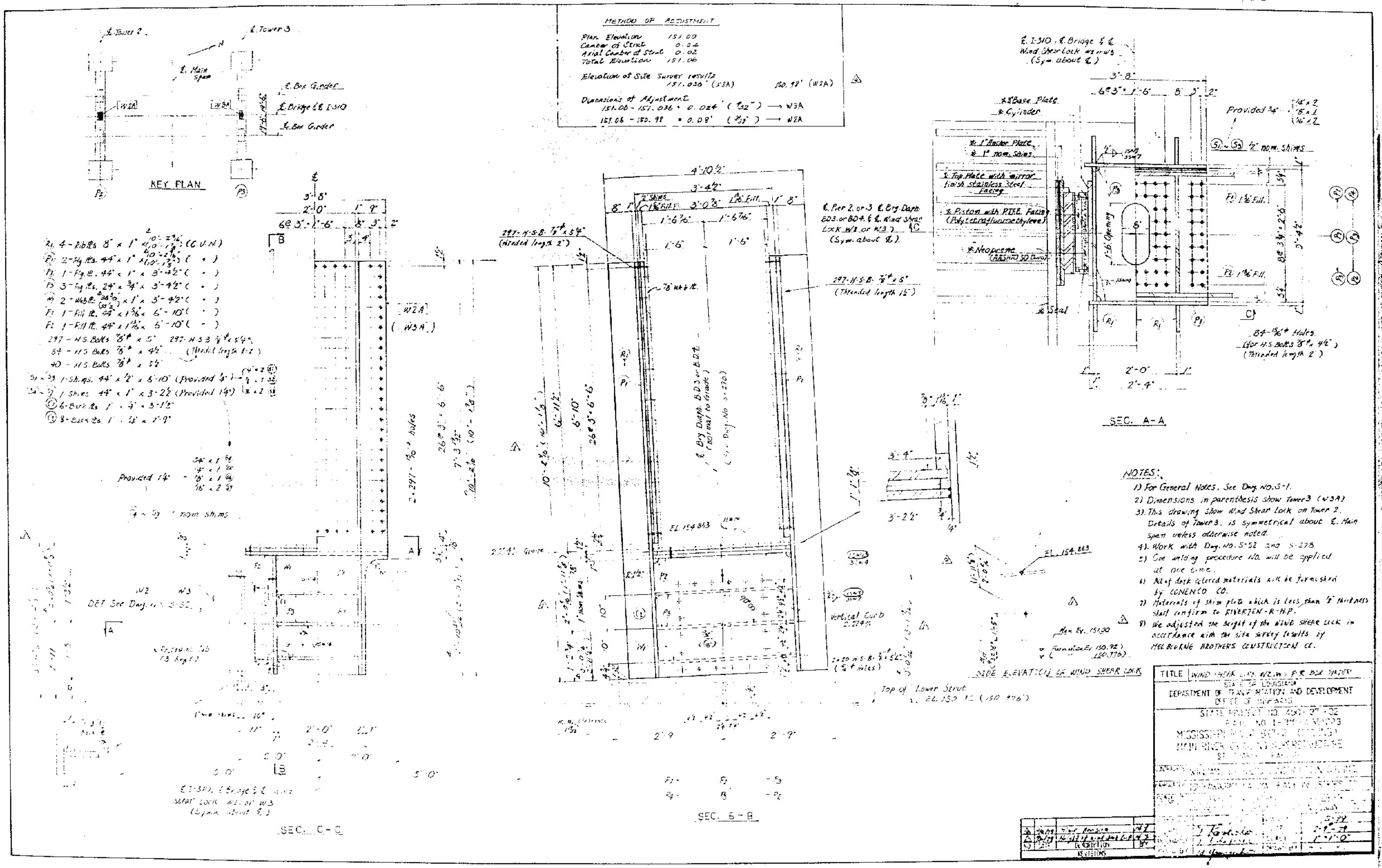


Shop Drawings

PADEYES FOR PANEL BLOCK (TOWER 77)

(Scale: 4" = 1'-0")





SHOP DRAWINGS