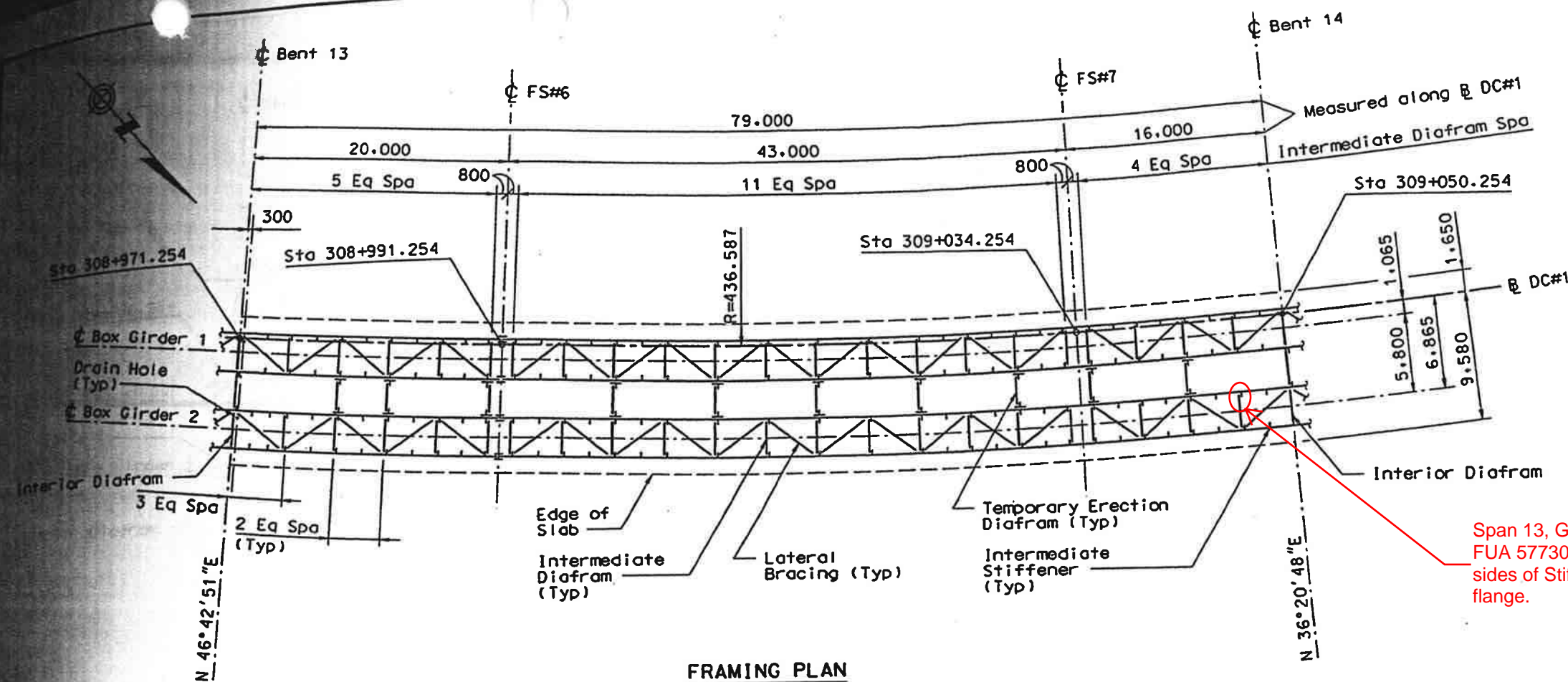
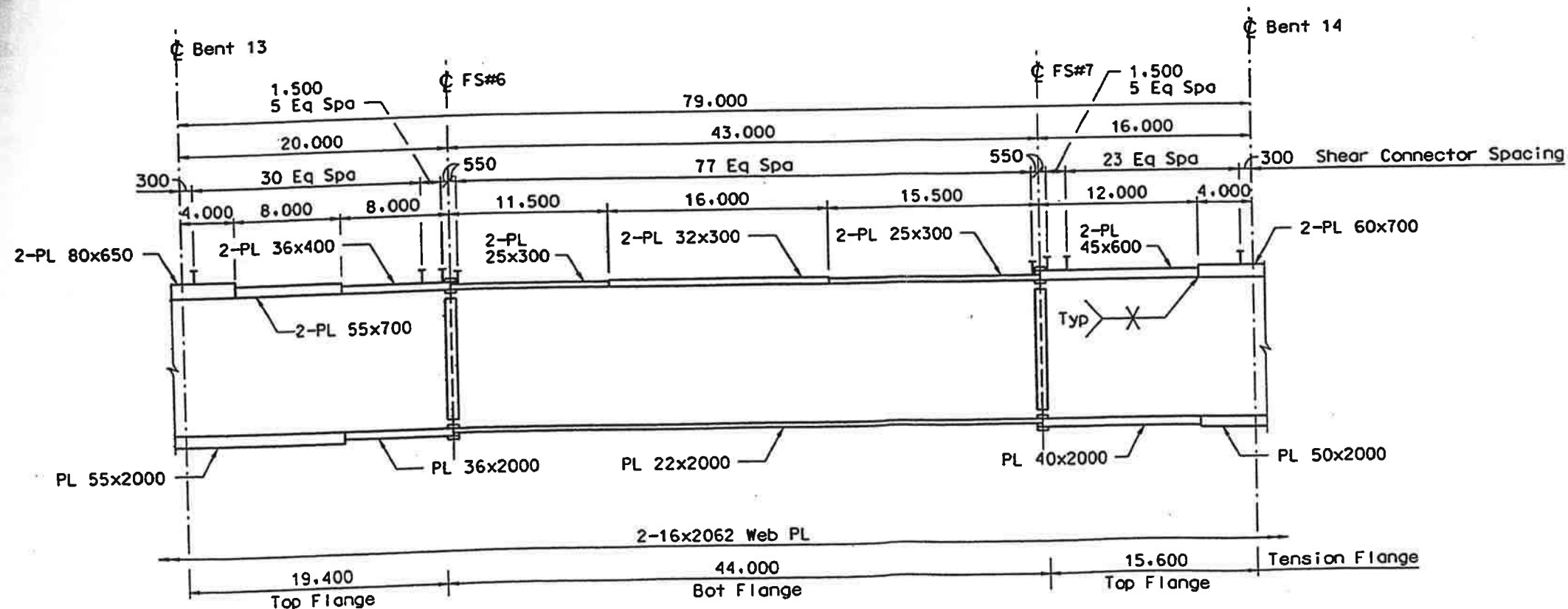


NOTES:

1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



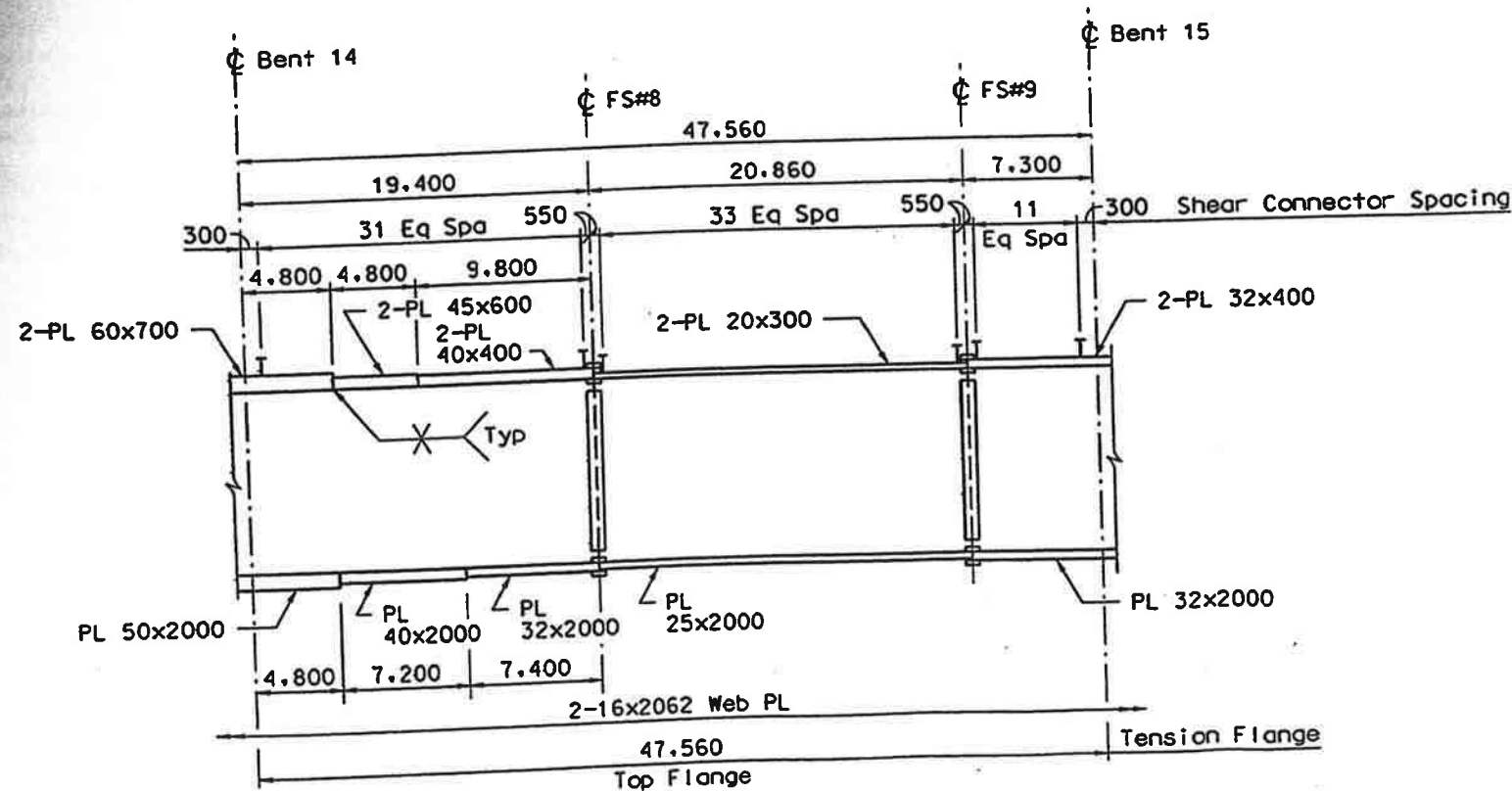
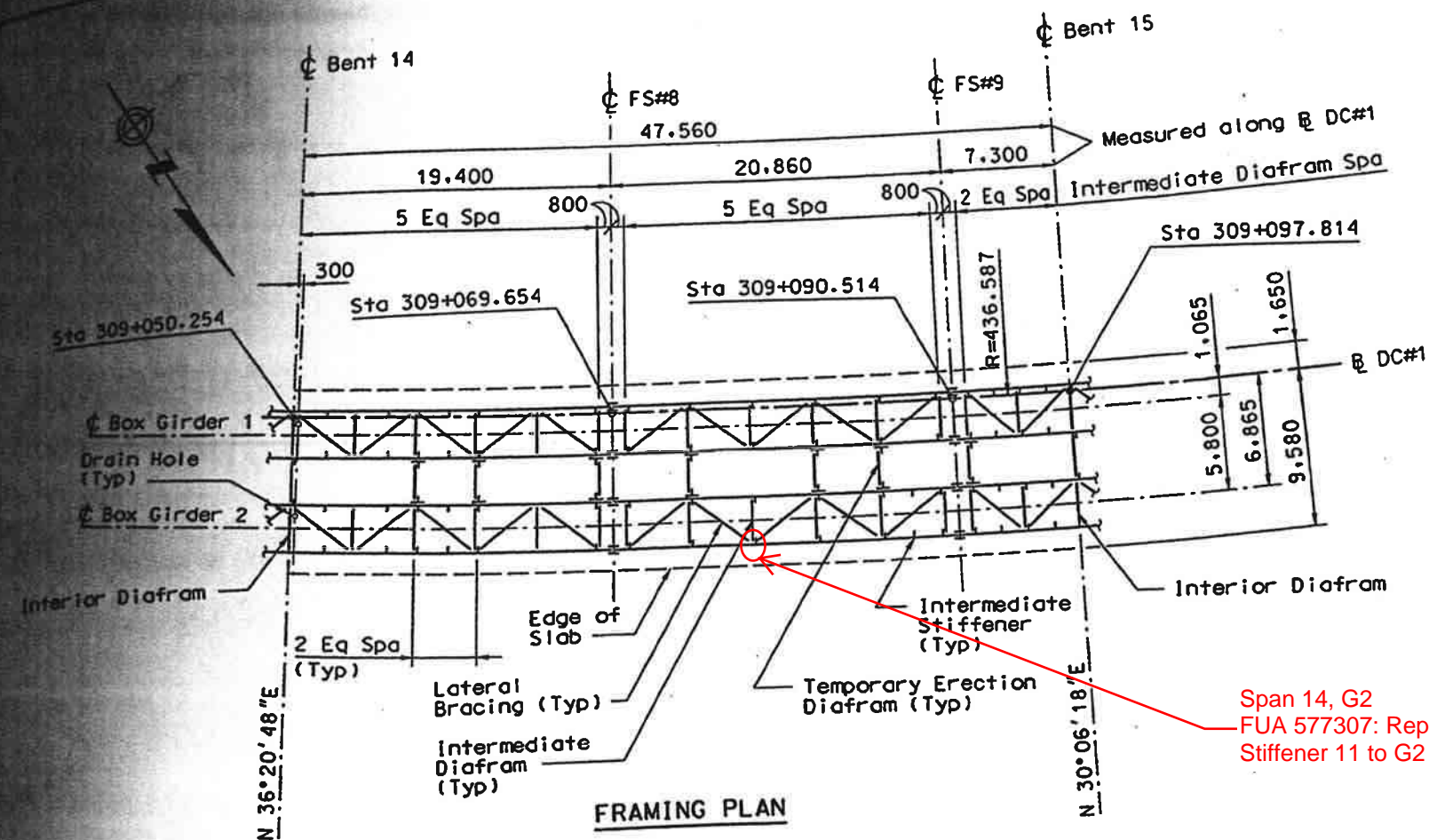
FRAMING PLAN



BOX GIRDER ELEVATION (TYP)
(Dimensions are along DC#1)

NOTES:

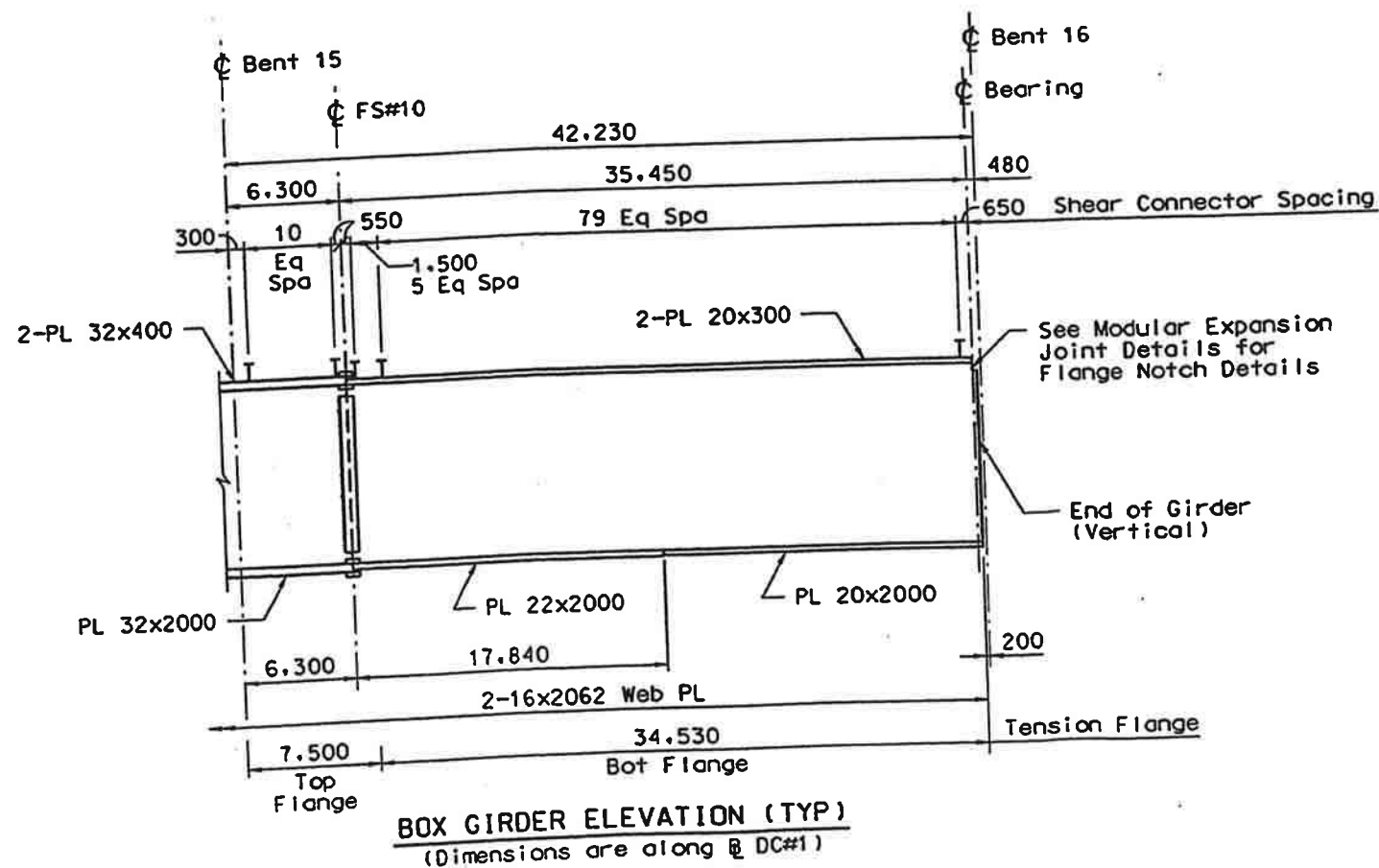
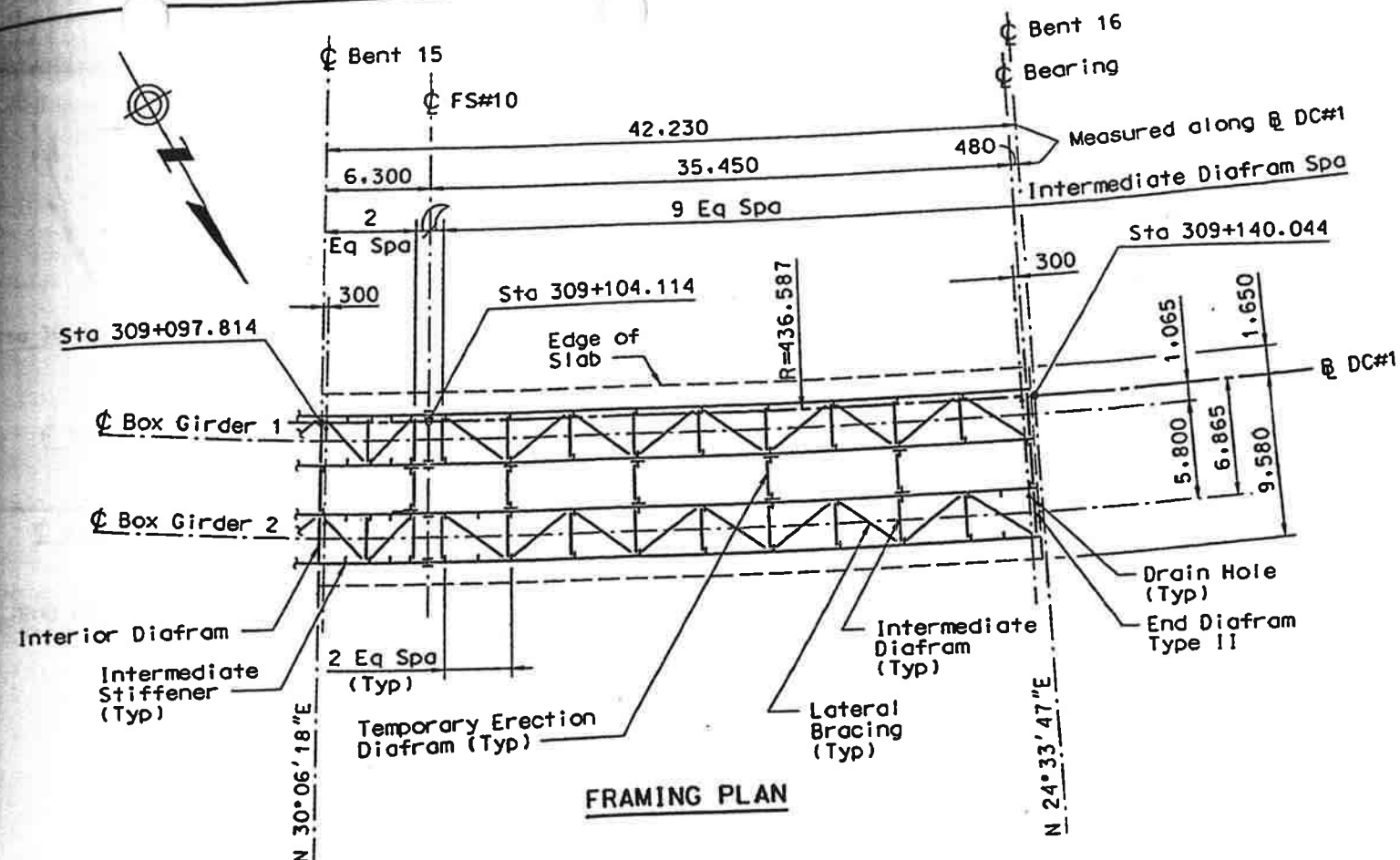
1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



BOX GIRDER ELEVATION (TYP)
(Dimensions are along E DC#1)

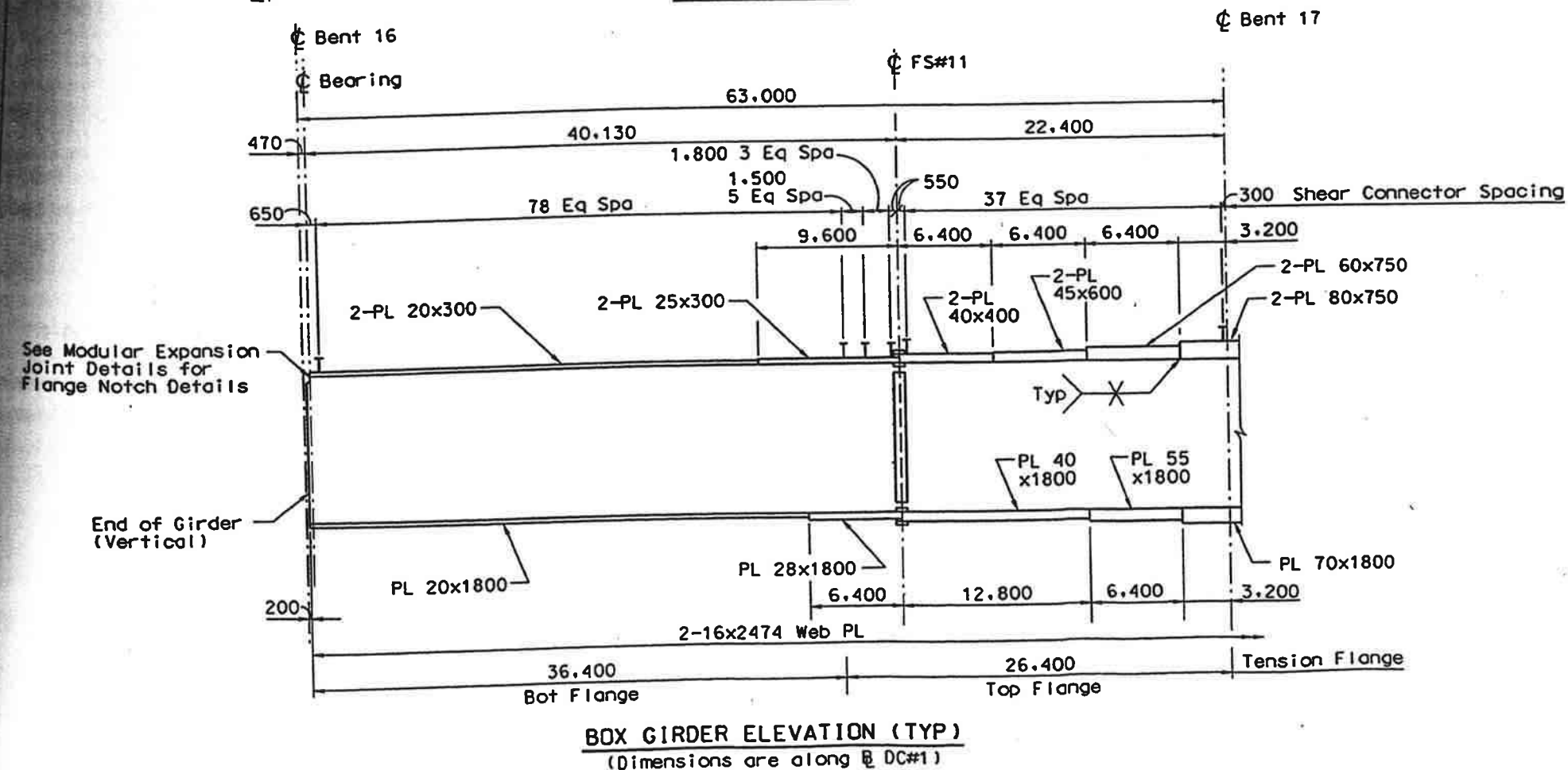
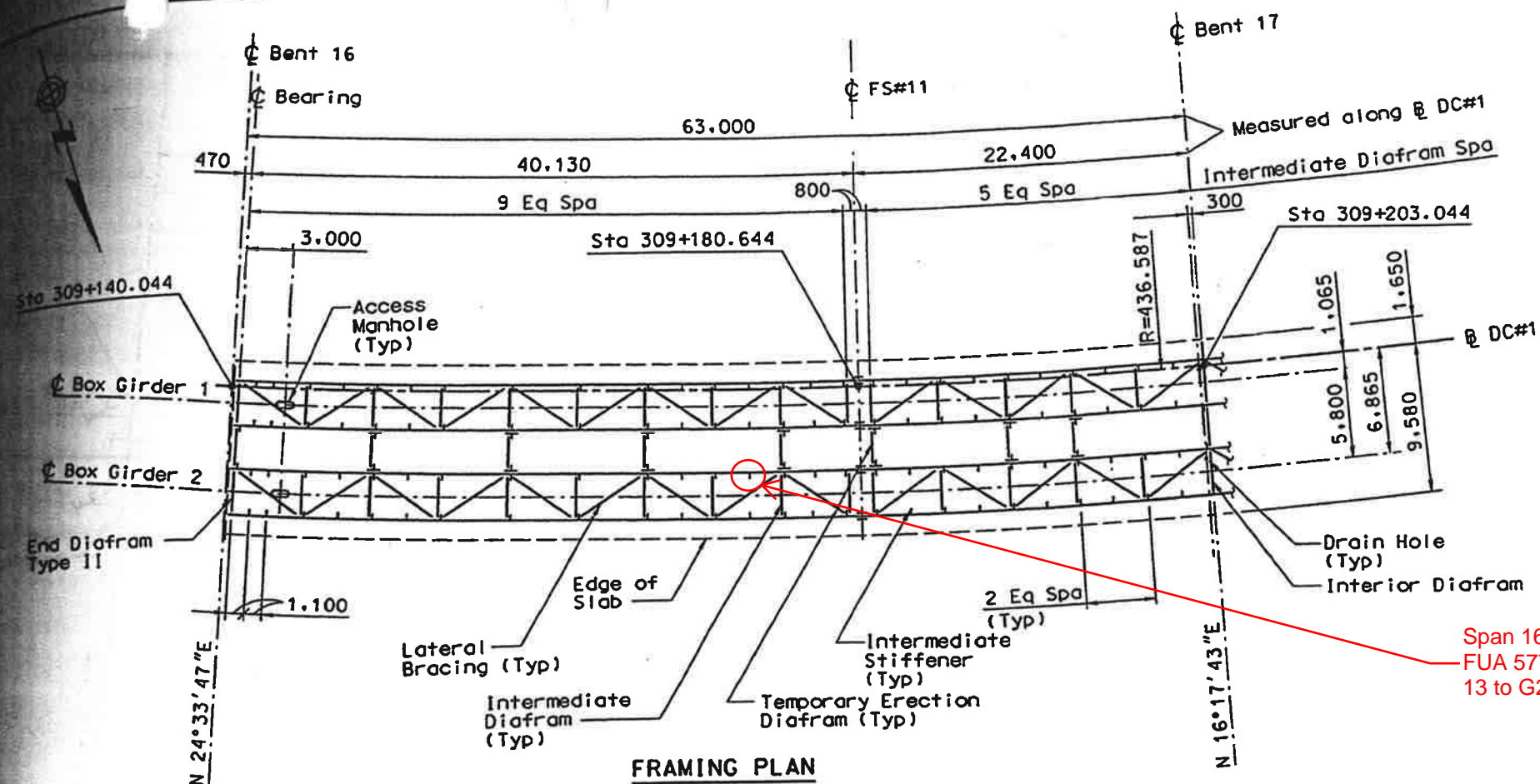
NOTES:

1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



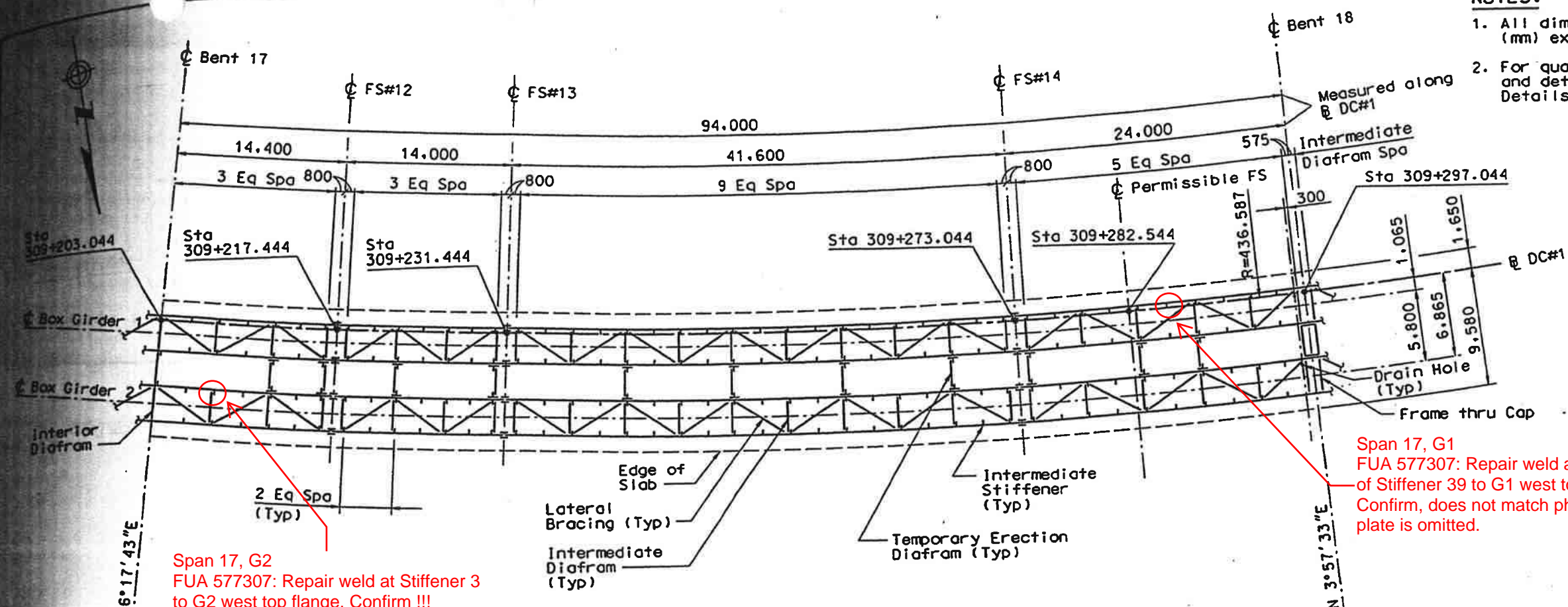
NOTES:

1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



NOTES:

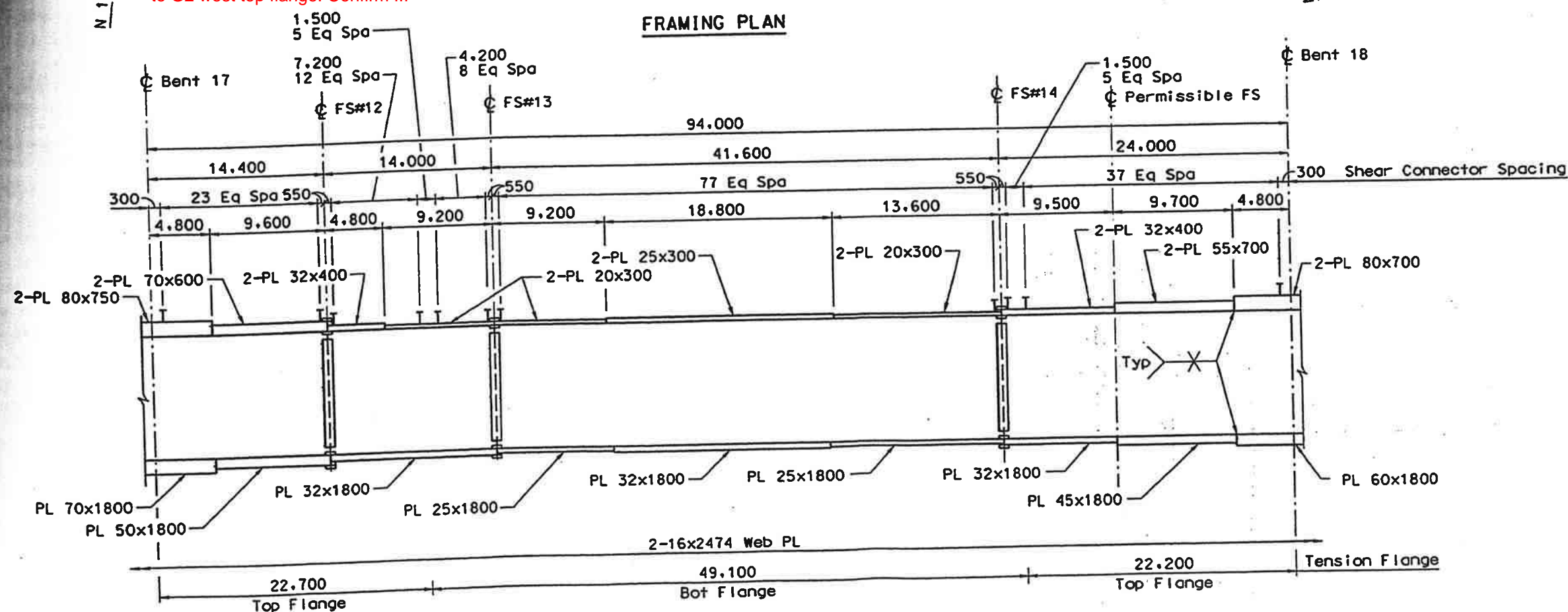
1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



Span 17, G2
FUA 577307: Repair weld at Stiffener 3 to G2 west top flange. Confirm !!!

Span 17, G1
FUA 577307: Repair weld at both faces of Stiffener 39 to G1 west top flange. Confirm, does not match photo if bent plate is omitted.

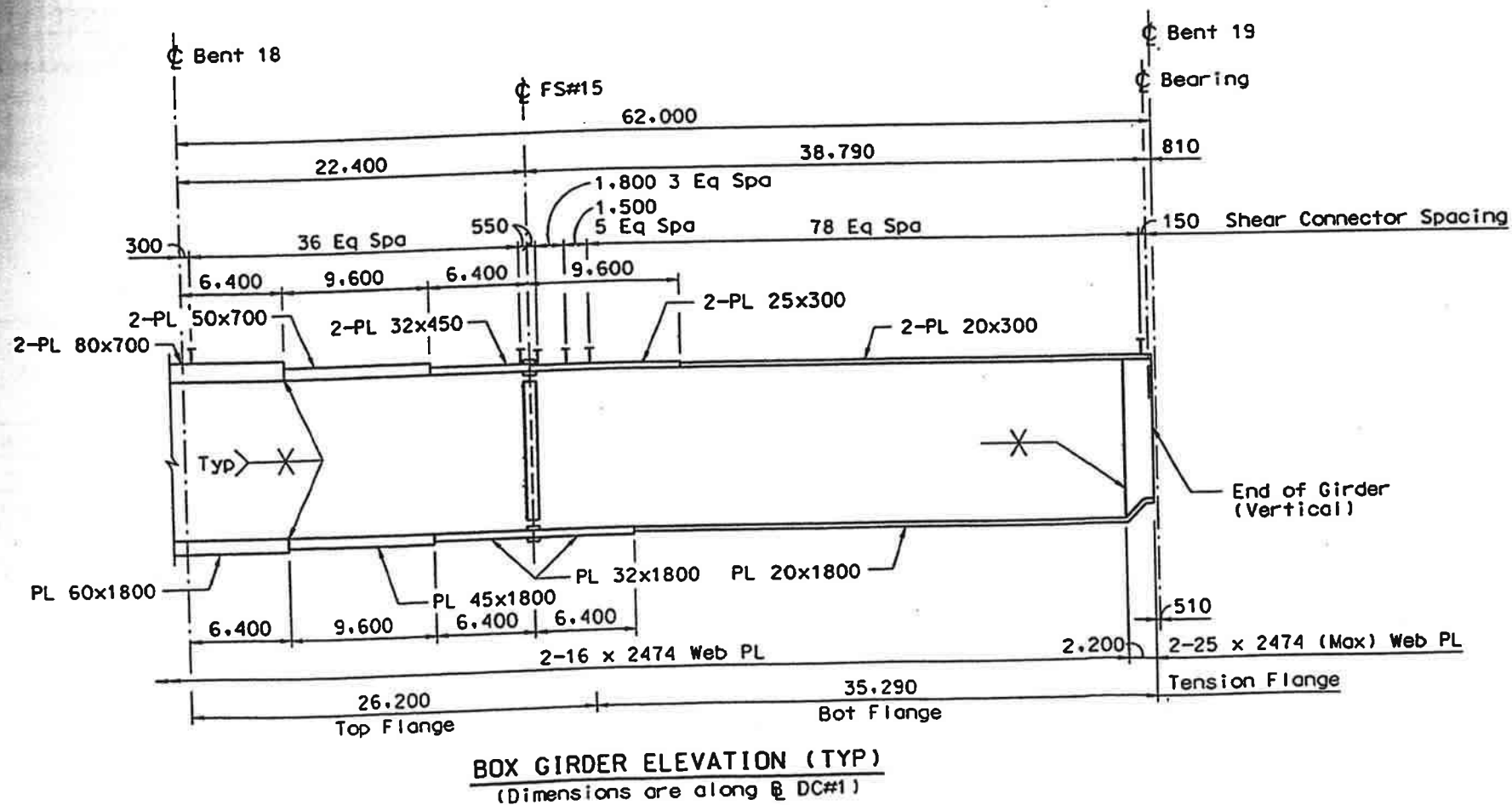
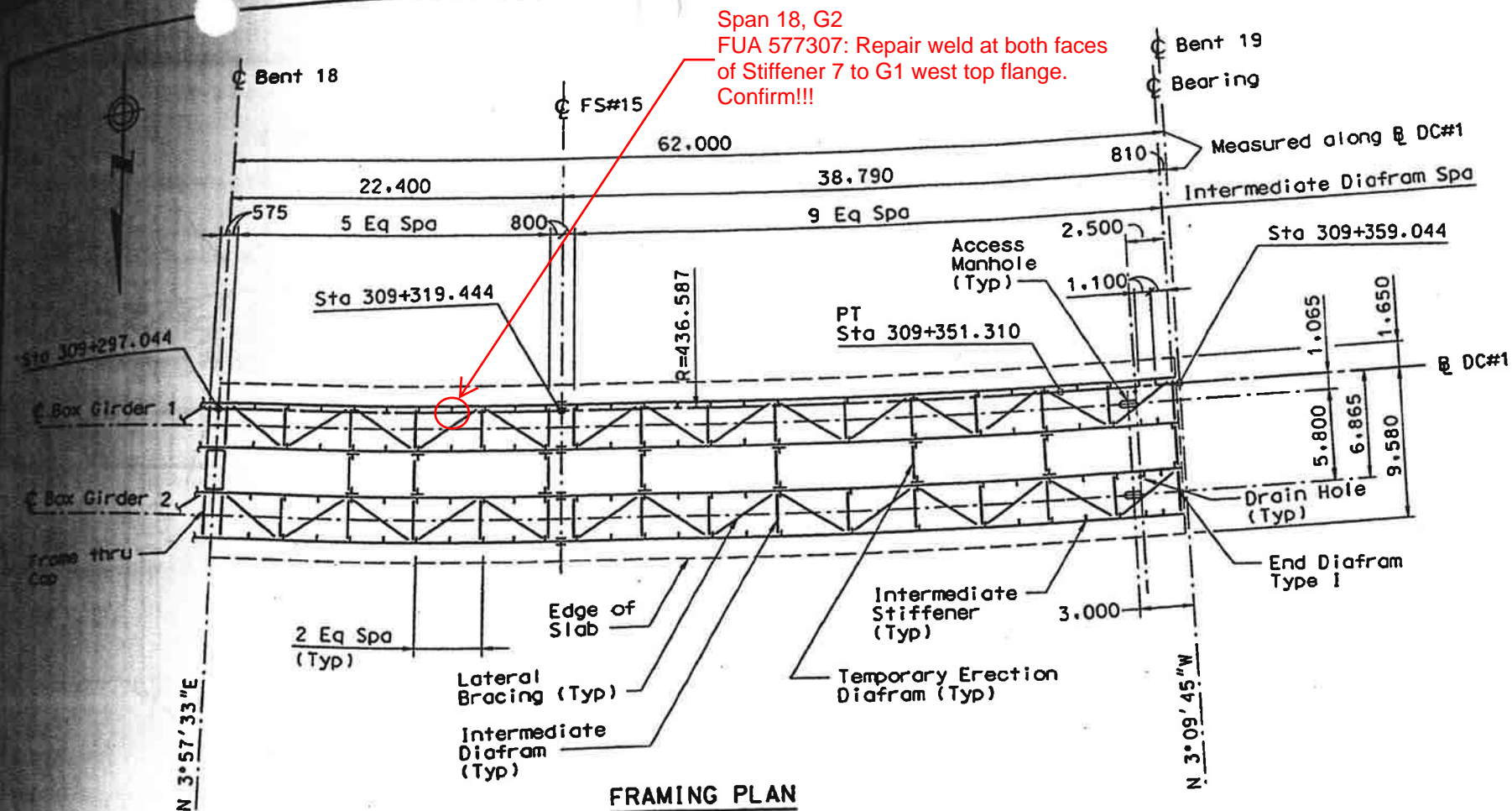
FRAMING PLAN

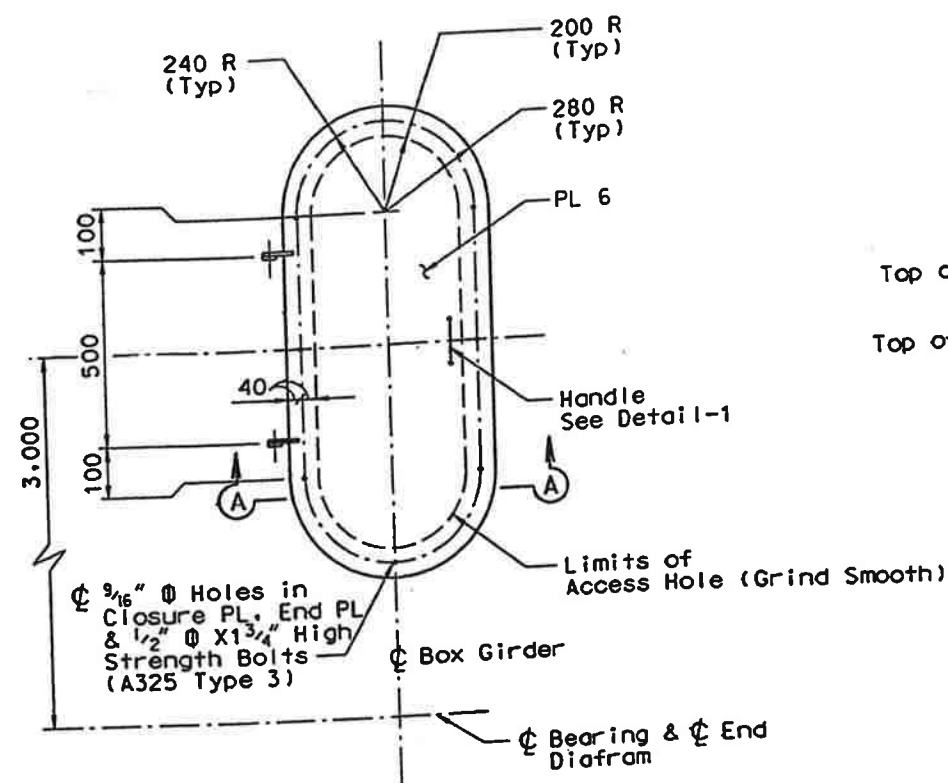


BOX GIRDER ELEVATION (TYP) (Dimensions are along DC#1)

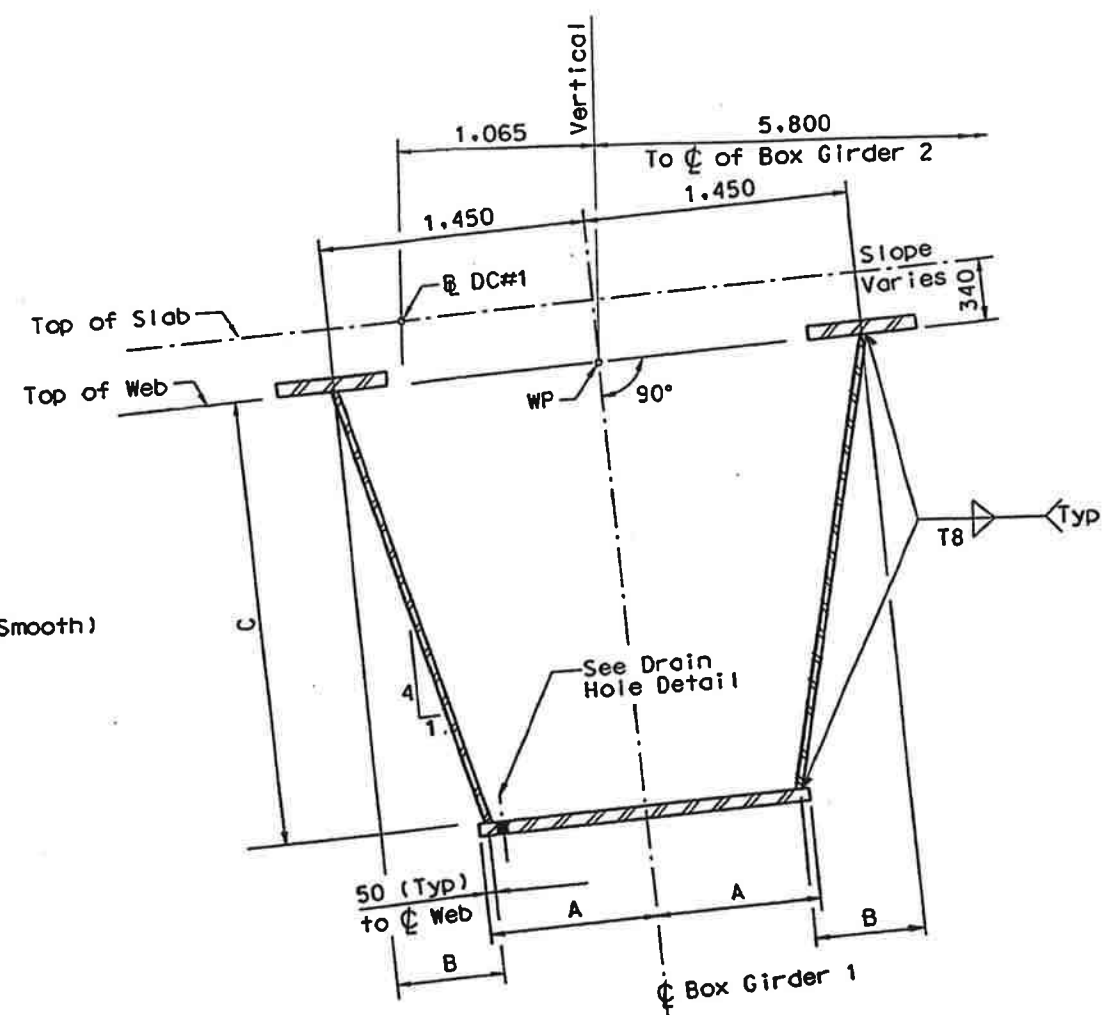
NOTES:

1. All dimensions are in millimeters (mm) except as noted.
2. For quantities, additional notes and details see "Box Girder Typical Details" sheet.



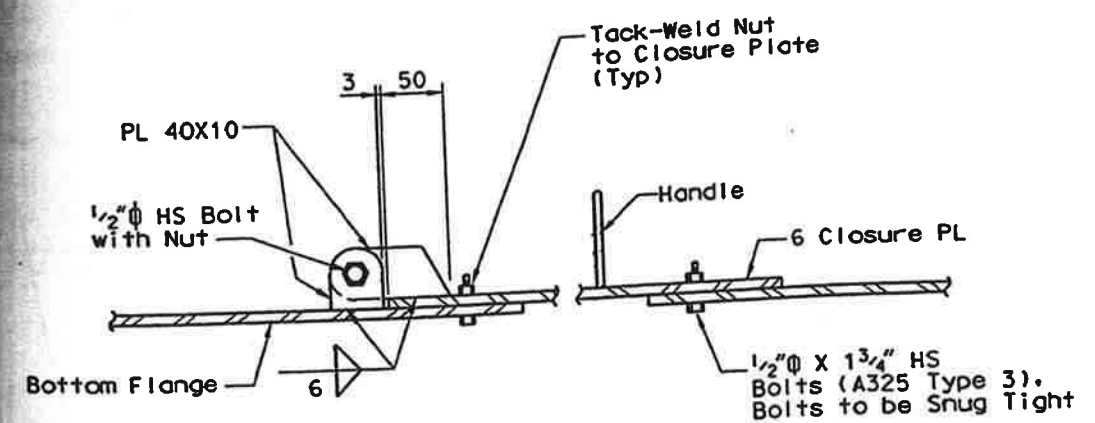


ACCESS MANHOLE DETAIL
Scale: 1:20

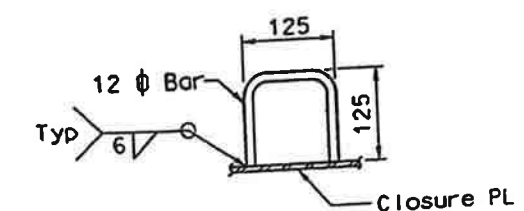


TYPICAL GIRDER SECTION
Scale: 1:20
(Box Girder No 1 Shown)

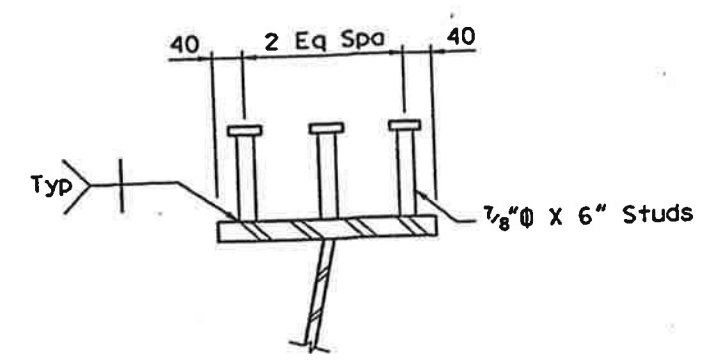
| ESTIMATED QUANTITIES | | |
|-----------------------|------|-----------|
| Structural Steel (HS) | | |
| | UNIT | QUANTITY |
| UNIT 1 | kg | 322.837 |
| UNIT 2 | kg | 611.554 |
| UNIT 3 | kg | 668.592 |
| TOTAL | kg | 1,602.983 |



SECTION A-A
Scale: 1:6



DETAIL-1
Scale: 1:10

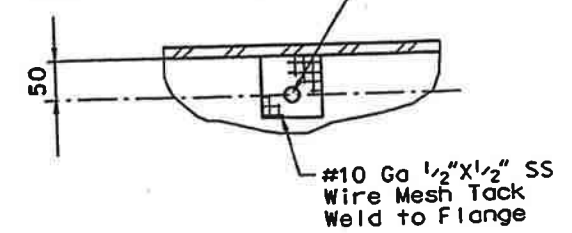


SHEAR CONNECTOR DETAIL
Scale: 1:10

| Unit | A (mm) | B (mm) | C (mm) |
|------|--------|--------|--------|
| 1 | 1100 | 400 | 1600 |
| 2 | 1000 | 500 | 2000 |
| 3 | 900 | 600 | 2400 |

5.25'
6.5'
7.9'

Provide 40 inch diameter Hole at Locations Shown on Framing Plan



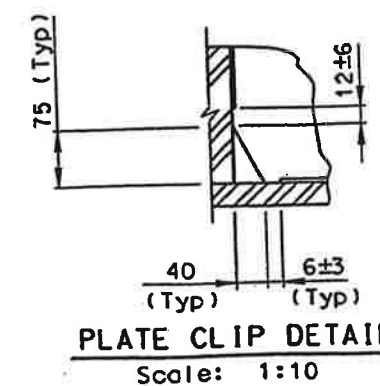
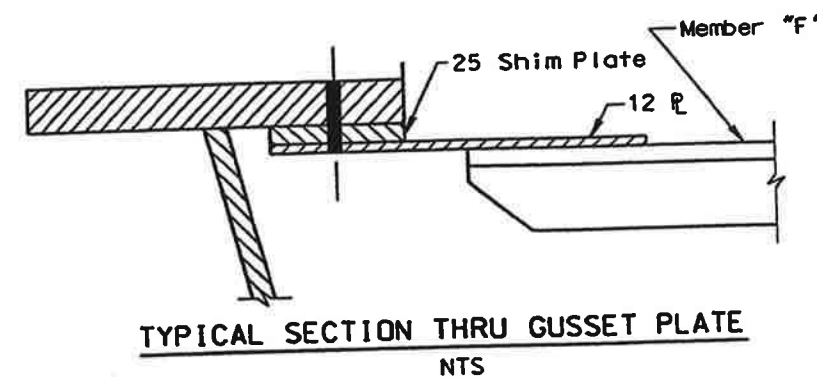
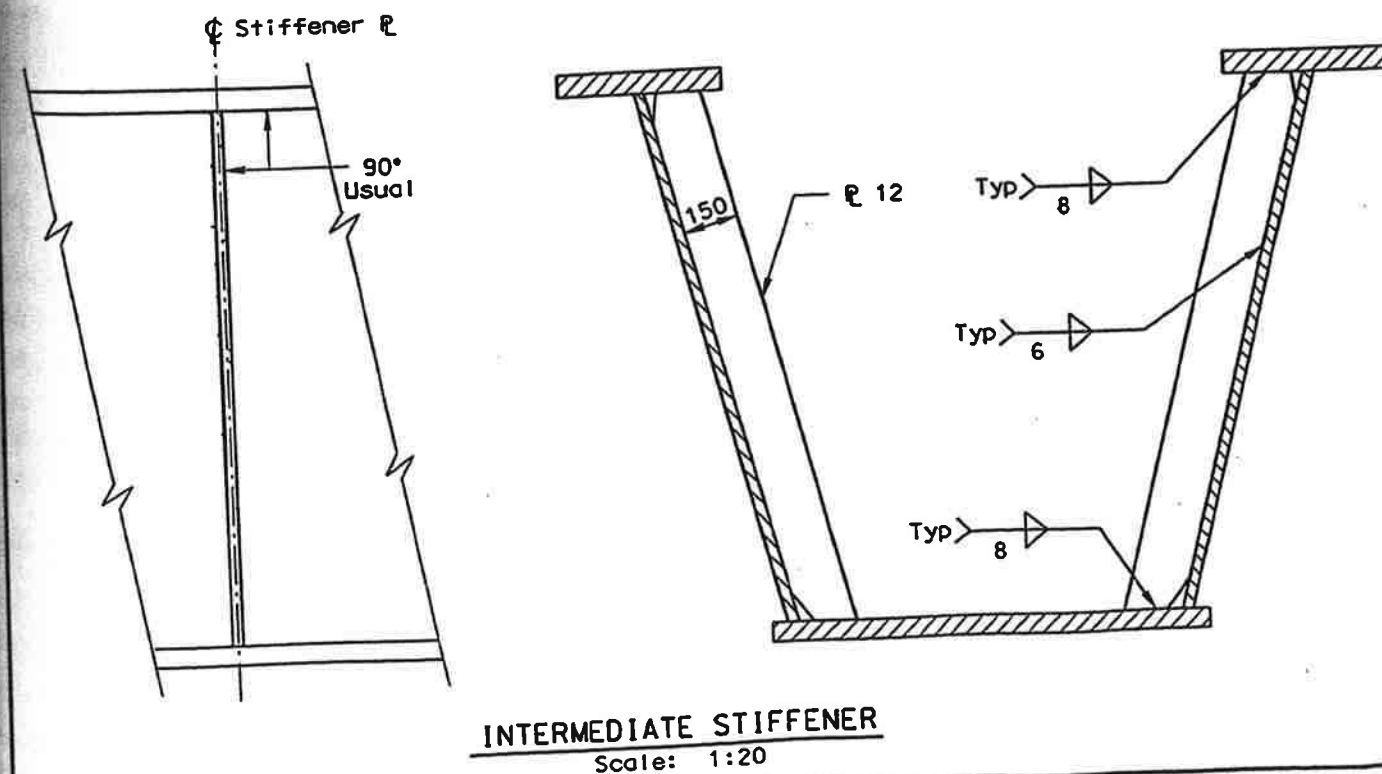
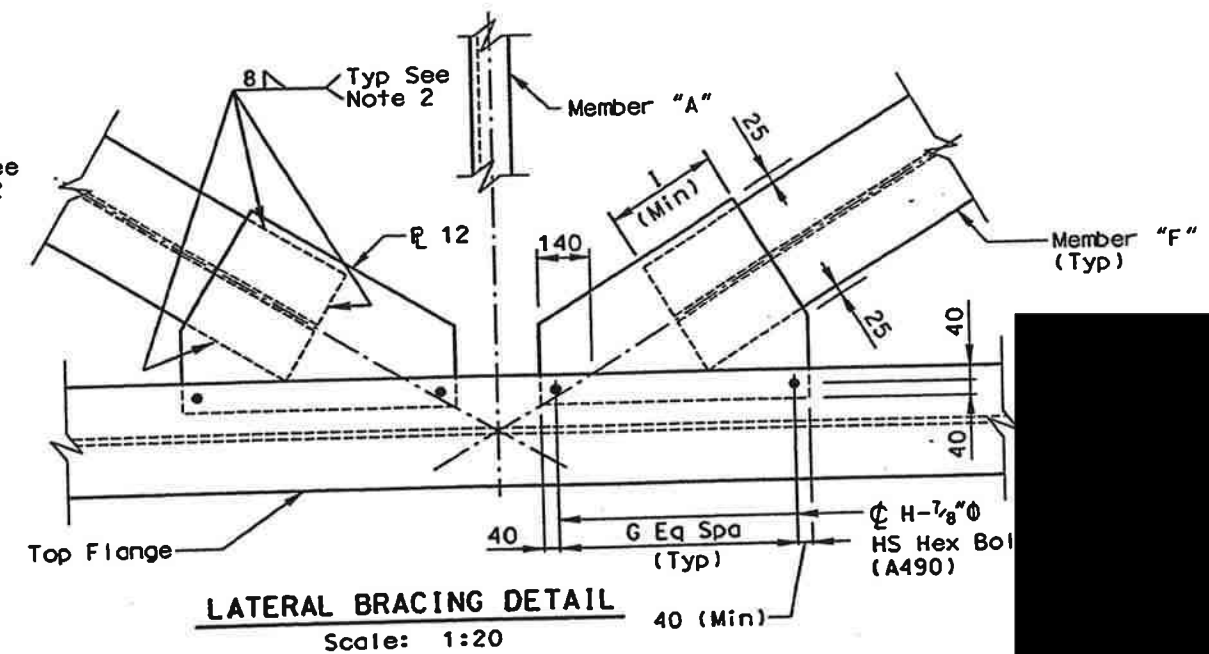
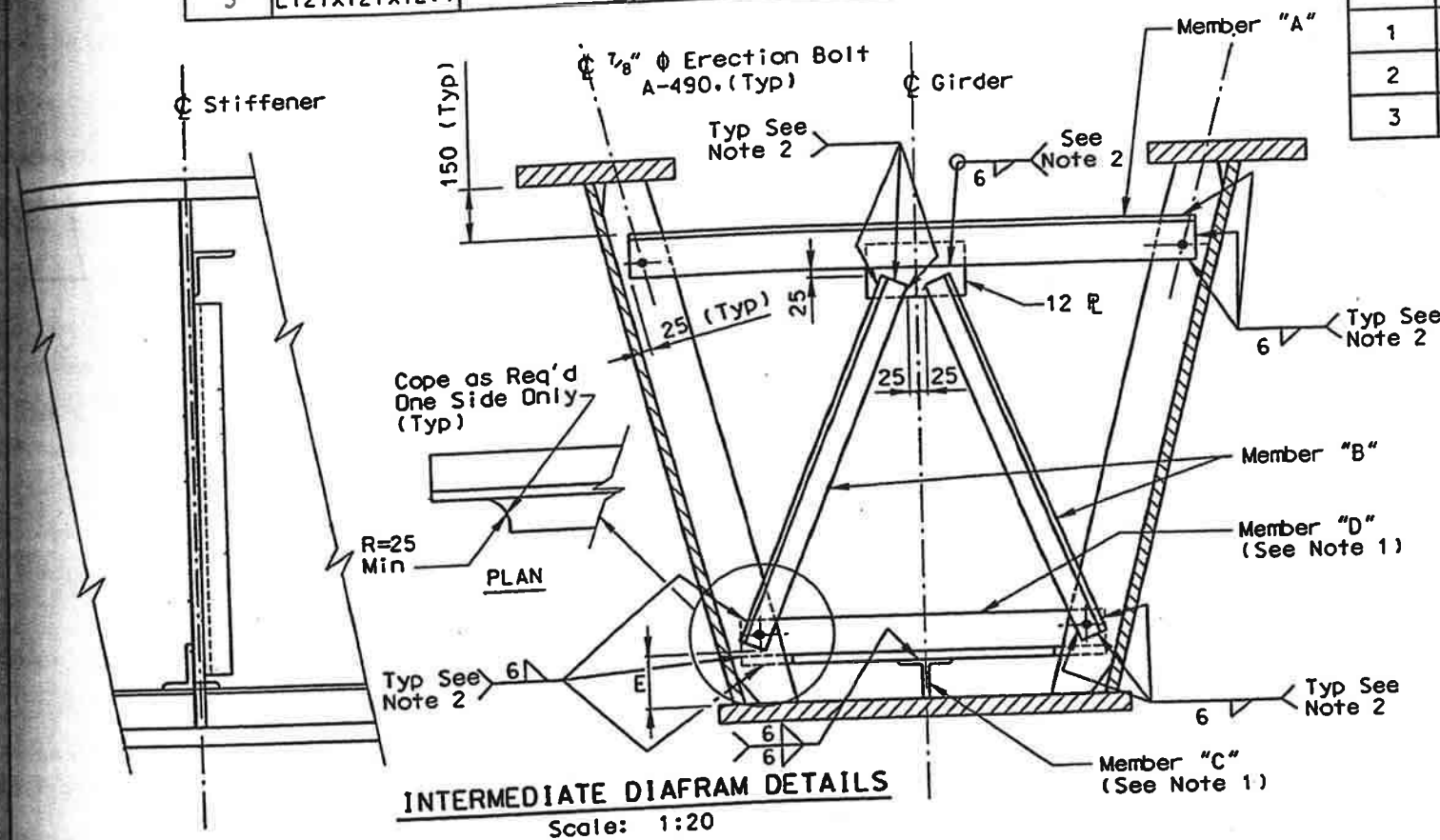
DRAIN HOLE DETAIL
NTS

| Intermediate Diafram | | | | | |
|----------------------|---------------|--------------|--------------|--------------|--------|
| Unit | Member "A" | Member "B" | Member "C" | Member "D" | E (mm) |
| 1 | L127x127x12.7 | L76x76x6.4 | WT305x97.5 | ST230x52 | 300 |
| 2 | L127x127x12.7 | L89x89x6.4 | Not Required | Not Required | 150 |
| 3 | L127x127x12.7 | L102x102x6.4 | Not Required | Not Required | 150 |

| Lateral Bracing | | | | |
|-----------------|------------|---------------------|---------------|--------|
| Unit | Member "F" | # of Bolt Spaces, G | # of Bolts, H | I (mm) |
| 1 | WT230X56.5 | 5 | 6 | 150 |
| 2 | WT230X56.5 | 5 | 6 | 150 |
| 3 | WT230X79 | 7 | 8 | 150 |

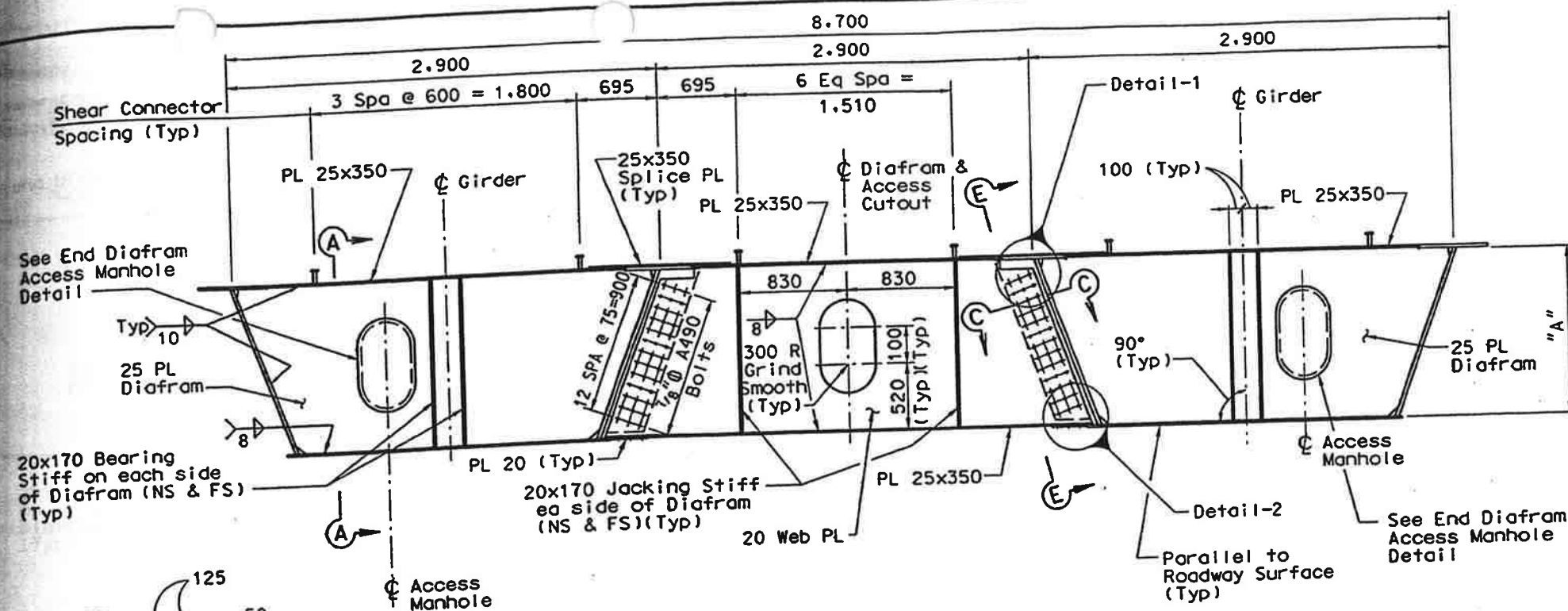
NOTES:

- See Framing Plans for location of longitudinal bottom flange stiffeners (Member C). Member D is required at each intermediate diafram location where there is a longitudinal bottom flange stiffener. For termination of longitudinal bottom flange stiffener see Longitudinal and Transverse Bottom Flange Stiffener Details.
- Terminate welds 12mm short of edge.

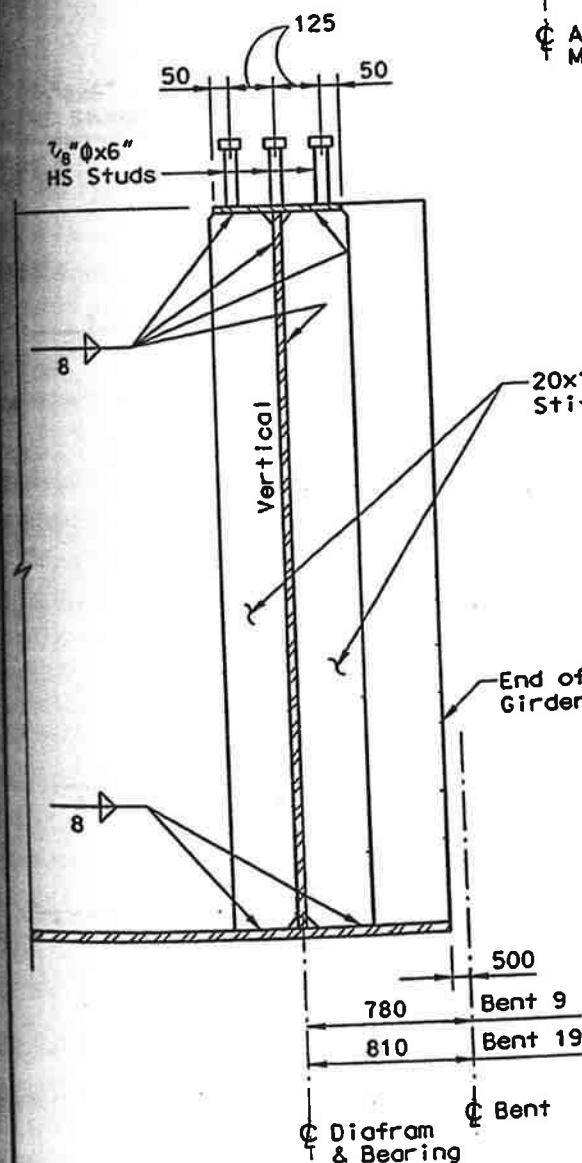


GENERAL NOTES:

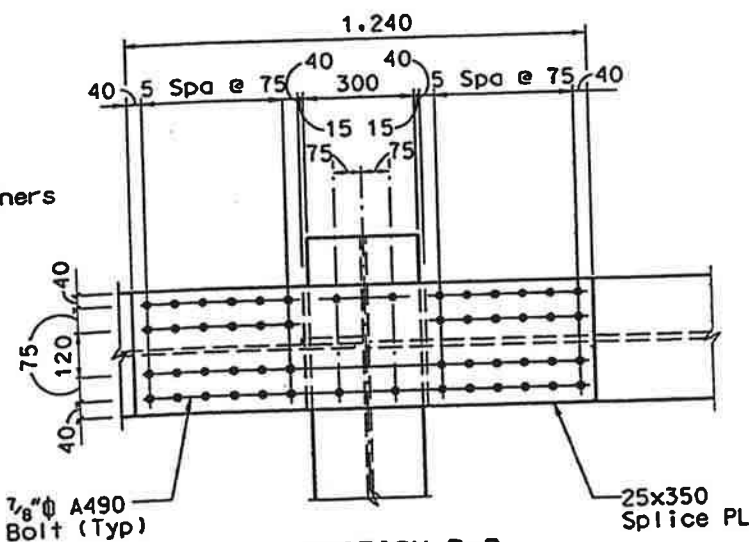
- [illegible]



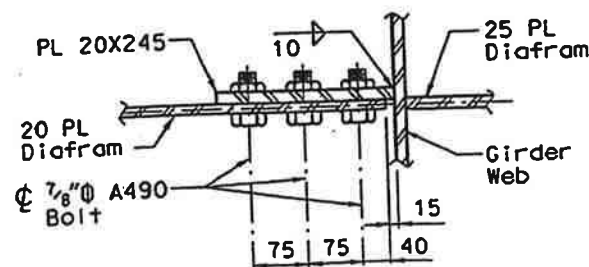
END DIAFRAM TYPE I ELEVATION
Scale: 1:40



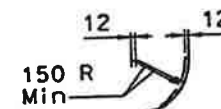
SECTION A-A
Scale: 1:20



SECTION B-B
Scale: 1:20



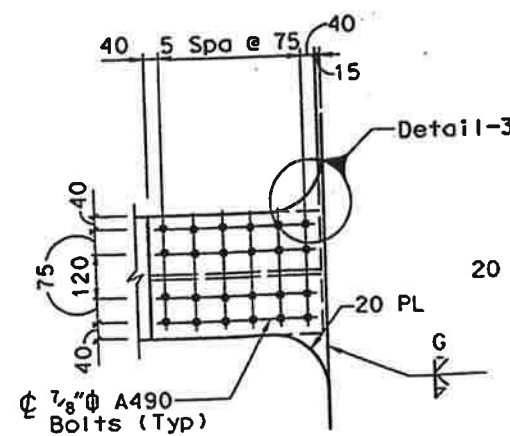
SECTION C-C
Scale: 1:10



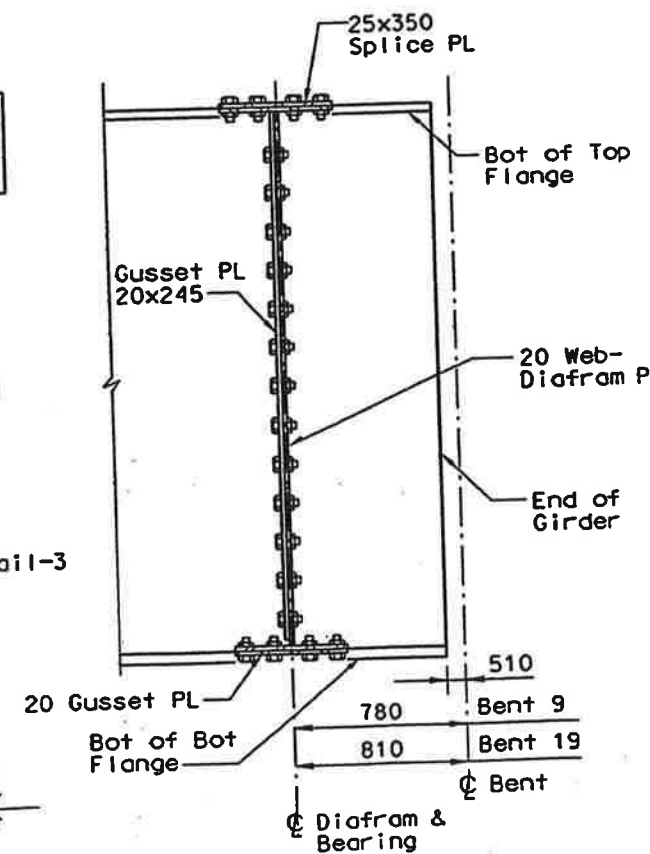
DETAIL-3
Scale: 1:20

NOTE: Provide larger plate (shown dashed) & grind flush to flange after welding.

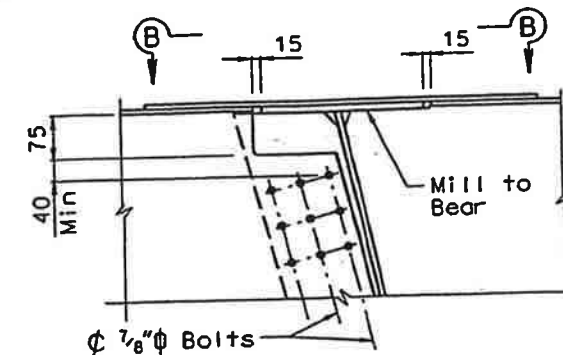
| DIAFRAM DIMENSIONS | |
|--------------------|-------|
| LOCATION | A |
| Bent 9 -Unit 1 | 1.120 |
| Bent 19 -Unit 3 | 1.140 |



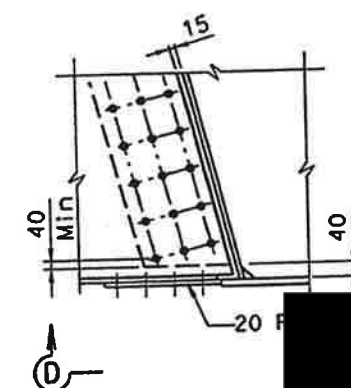
SECTION D-D
Scale: 1:20



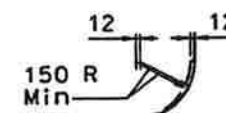
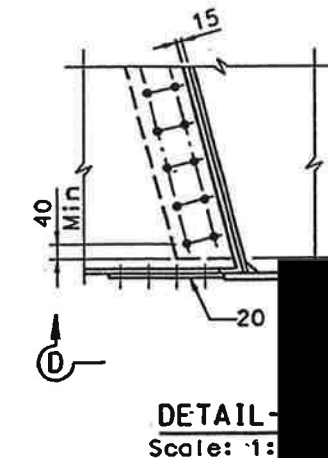
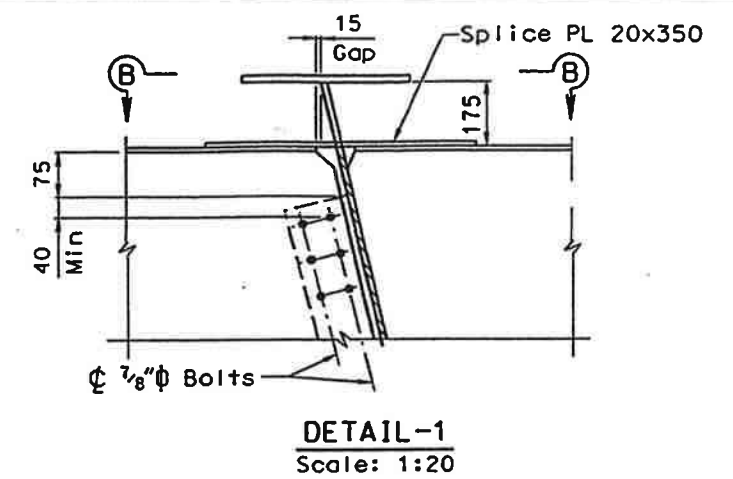
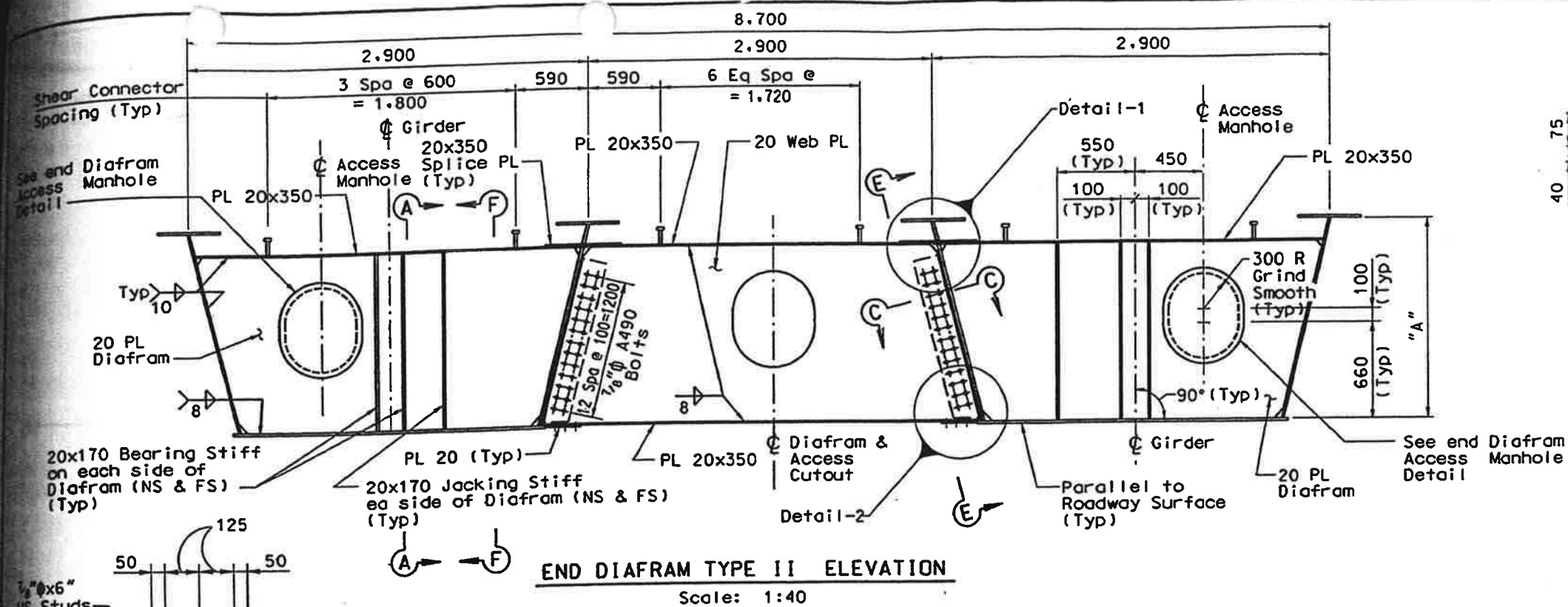
SECTION E-E
Scale: 1:20



DETAIL-1
Scale: 1:20

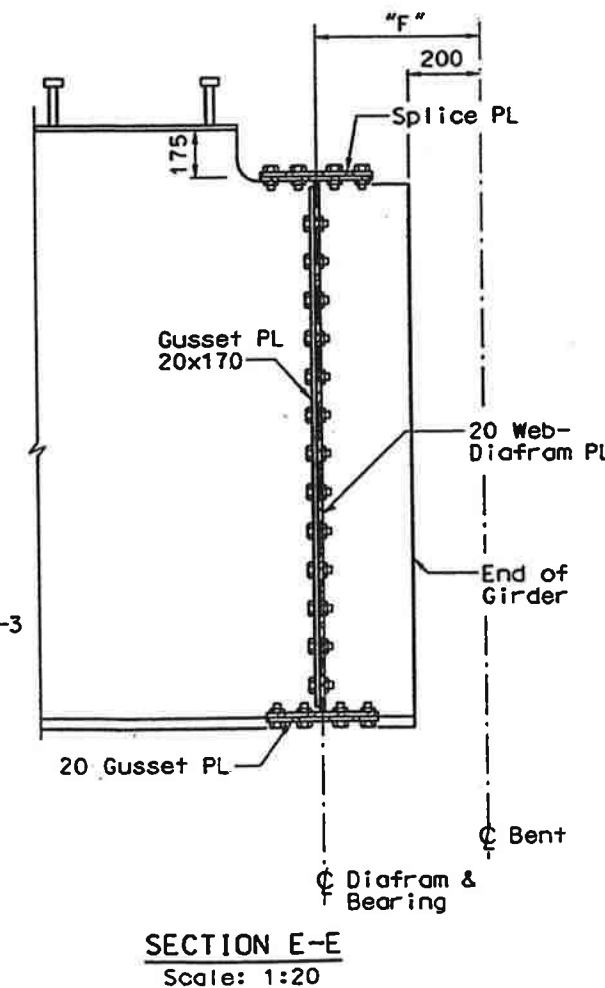
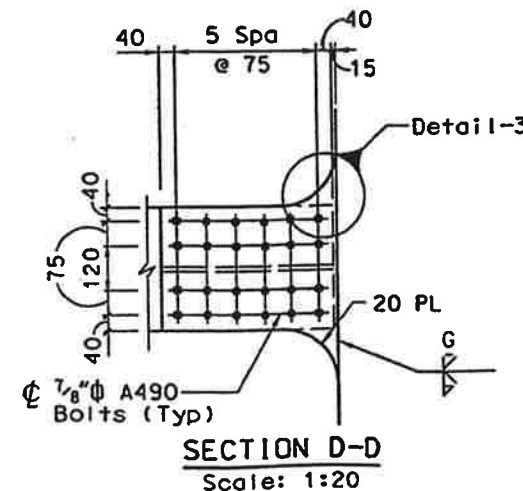
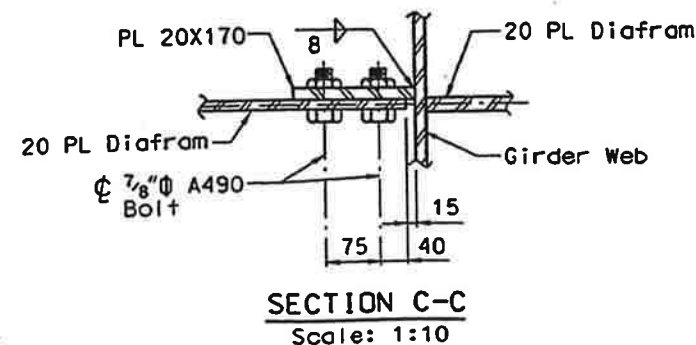
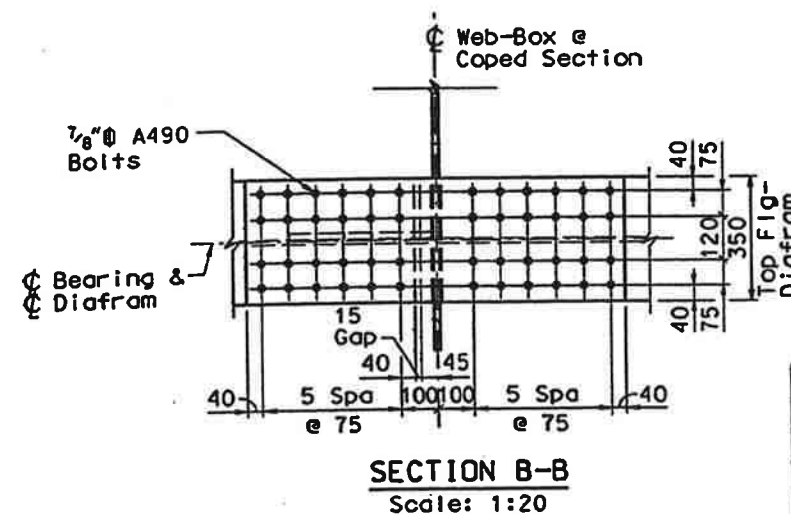


DETAIL-2
Scale: 1:20



NOTE: Provide larger plate (shown dashed) & grind flush to flange after welding.

| DIAFRAM DIMENSIONS | | |
|--------------------|-------|-----|
| LOCATION | A | F |
| Bent 12 -Unit 1 | 1.600 | 490 |
| Bent 12 -Unit 2 | 2.000 | 450 |
| Bent 16 -Unit 2 | 2.000 | 480 |
| Bent 16 -Unit 3 | 2.400 | 470 |



SECTION A-A
Scale: 1:20
SECTION F-F Opphand

| Unit | Splice | Top Flange | | | | | | Web Splice | | | | | Bottom Flange | | | | | | | Bottom Flange Stiffener | | | | | | |
|------|--------|------------|-----------|-----------|------|-----------|-----------|------------|------------|-----------|------------|-----------|---------------|------------|------------|-----------|-----------|----------------------|---------------|-------------------------|------------|-------------|------------|-----------|-----------|--|
| | | Splice | | | | Filler PL | | K (mm) | N (Spa) | X (mm) | D (Spa) | I (mm) | Splice | | | | | Fill PL M (mm) | Flange Splice | | | Stem Splice | | | | |
| | | Q (Spa) | T (mm) | G (mm) | Type | H (mm) | Y (mm) | | | | | | B (mm) | E (Spa) | V (Spa) | C (mm) | L (mm) | | Type | F (mm) | P (Spa) | U (mm) | R (Spa) | S (mm) | W (mm) | |
| 1 | 1 | 6 | 1015 | 12 | I | 20 | 500 | 12 | 3 | 715 | 14 | 1540 | 2000 | 10 | 1 | 335 | 12 | I | — | 1135 | 6 | 12 | 4 | 12 | 815 | |
| | 2 | 6 | 1015 | 12 | I | 16 | 500 | 12 | 3 | 715 | 14 | 1540 | 2000 | 10 | 3 | 655 | 12 | I | 8 | 1135 | 6 | 12 | 4 | 12 | 815 | |
| | 3 | 6 | 1015 | 12 | I | 16 | 500 | 12 | 3 | 715 | 14 | 1540 | 2000 | 10 | 3 | 655 | 12 | I | 5 | 1135 | 6 | 12 | 4 | 12 | 815 | |
| | 4 | 6 | 1015 | 12 | I | 16 | 500 | 12 | 3 | 715 | 14 | 1540 | 2000 | 10 | 1 | 335 | 12 | I | — | 1135 | 6 | 12 | 4 | 12 | 815 | |
| 2 | 5 | 6 | 1015 | 14 | I | 8 | 500 | 12 | 2 | 535 | 20 | 1960 | 1800 | 21 | 3 | 655 | 14 | II | 7 | — | — | — | — | — | — | |
| | 6 | 7 | 1155 | 16 | I | 11 | 570 | 12 | 2 | 535 | 24 | 1960 | 1800 | 16 | 4 | 815 | 12 | II | 14 | — | — | — | — | — | — | |
| | 7 | 7 | 1155 | 16 | I | 20 | 570 | 12 | 2 | 535 | 24 | 1960 | 1800 | 16 | 4 | 815 | 12 | II | 18 | — | — | — | — | — | — | |
| | 8 | 6 | 1015 | 14 | I | 20 | 500 | 12 | 2 | 535 | 20 | 1960 | 1800 | 21 | 3 | 655 | 14 | II | 7 | — | — | — | — | — | — | |
| | 9 | 6 | 1015 | 14 | I | 12 | 500 | 12 | 2 | 535 | 20 | 1960 | 1800 | 21 | 3 | 655 | 14 | II | 7 | — | — | — | — | — | — | |
| | 10 | 6 | 1015 | 14 | I | 12 | 500 | 12 | 2 | 535 | 20 | 1960 | 1800 | 21 | 3 | 655 | 14 | II | 10 | — | — | — | — | — | — | |
| 3 | 11 | 6 | 1015 | 16 | I | 15 | 500 | 12 | 2 | 535 | 22 | 2350 | 1600 | 15 | 4 | 815 | 16 | II | 12 | — | — | — | — | — | — | |
| | 12 | 7 | 1295 | 18 | II | 23 | 640 | 12 | 3 | 715 | 22 | 2350 | 1600 | 17 | 5 | 975 | 18 | II | 18 | — | — | — | — | — | — | |
| | 13 | 7 | 1155 | 12 | I | — | 570 | 14 | 4 | 895 | 27 | 2350 | 1600 | 19 | 5 | 975 | 20 | II | 7 | — | — | — | — | — | — | |
| | 14 | 9 | 1435 | 12 | I | 12 | 710 | 14 | 4 | 895 | 27 | 2350 | 1600 | 19 | 5 | 975 | 20 | II | 7 | — | — | — | — | — | — | |
| | 15 | 6 | 1015 | 16 | I | 7 | 500 | 12 | 2 | 535 | 22 | 2350 | 1600 | 15 | 2 | 495 | 16 | II | — | — | — | — | — | — | — | |

NOTES:
1. All bolts shall be $\frac{7}{8}$ " ϕ ASTM A490.

