

2

DRAIN AS PER SPECS.

WELL COMPACTED EARTH IN 200 MM THICK LAYER .

75MM THICK PCC 1:4:8

100 THK RCC AS PER BPS ITEM INCLUDING VACUUM DEWATERING (WITH 8mm DIA-300mm C/C BOTHWAYS PLACED AT CENTRE)

100 THK PCC 1:4:8

300 THK. CONSOLIDATED WATER BOUND MACADAM (IN THREE LAYERS OF 100mm EACH)

+138 MM
1:50

+175 MM

+138 MM
1:50

+00 MM

WELL COMPACTED LOCAL SOIL OF 95% OF DRY DENSITY (PROCTOR DENSITY)

600 3750 600

Diagram illustrating the cross-section of a road pavement structure, showing layers and dimensions:

- 100 THK RCC AS PER BPS ITEM INCLUDING VACUUM DEWATERING (WITH 8mm DIA- 300mm C/C BOTHWAYS PLACED AT CENTRE)
- 100 THK PCC (1:4:8)
- 300 THK. CONSOLIDATED WATER BOUND MACADAM (IN THREE LAYERS OF 100mm EACH)
- WELL COMPACTED LOCAL SOIL OF 95% OF DRY DENSITY (PROCTOR DENSITY)
- 75MM THICK PCC 1:4:8
- WELL COMPACTED EARTH IN 200 MM THICK LAYER
- DRAIN AS PER SPECS.
- Dimensions: 600, 5500, 600
- Elevations: +138 MM, +175 MM, +138 MM, +00 MM
- Slopes: 1:50, 1:50

DRAIN AS PER SPECS.

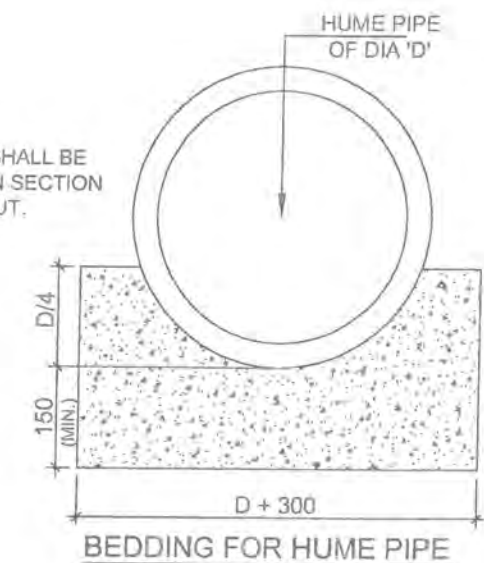
WELL COMPACTED EARTH IN 200 MM THICK LAYER .
75MM THICK
PCC 1:4:8

100 THK RCC AS PER BPS ITEM INCLUDING VACCUM DEWATERING (WITH 8mm DIA- 300mm C/C BOTHWAYS PLACED AT CENTRE)
100 THK PCC (1:4:8)
300 THK. CONSOLIDATED WATER BOUND MACADAM (IN THREE LAYERS OF 100mm EACH)

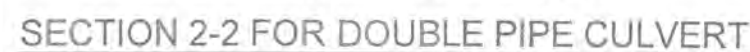
+0.00 M

DETAIL - 2

1. ALL DIMENSION ARE IN MM UNLESS NOTED OTHERWISE.
2. CAMBER OF 1:50 SHALL BE PROVIDED
3. EXPANSION JOINT (12 MM THICK) SHALL BE PROVIDED AT EVERY 8.0 M.
EXPANSION JOINT SHALL ALSO BE PROVIDED AT CENTRE .
4. POLYTHENE SHEET OF 125 MICRONS SHALL BE PLACED BETWEEN THE PCC AND RCC SLAB. (TOP SLAB)
5. 100MM DIA. RCC HUME PIPE SHALL BE PLACED ACROSS THE ROAD AT EVERY 100M INTERVAL.
ALONG THE ROAD.
6. THE KERBS ON BOTH SIDE OF THE ROAD SHALL BE PAINTED YELLOW AND BLACK ALTERNATIVELY
7. FINISHED TOP OF ROAD CREST SHALL BE 175 MM (MIN.) ABOVE F.G.L. HOWEVER, IN CASE APPROACH ROAD IS BEING CONSTRUCTED IN UNLEVELLED AREA THEN CREST LEVEL OF ROAD SHALL BE MINIMUM 300 MM ABOVE H.F.L..
8. IF EXPANSIVE SOIL IS ENCOUNTERED AT FOUNDING LVL. IT SHALL BE REMOVED TO A MIN. DEPTH OF 300 MM AND SHALL BE REPLACED WELL COMPACTED (IN 02 EQ LAYERS) C.N.S. MATERIAL
9. SUFFICIENT SPACE BETWEEN KERB STONES @ 5M C/C SHALL BE PROVIDED TO DRAIN OUT WATER



**TITLE : DETAIL OF CONCRETE ROAD WITH PCC SHOULDER
(RIGID PAVEMENT)**



- NOTES:-

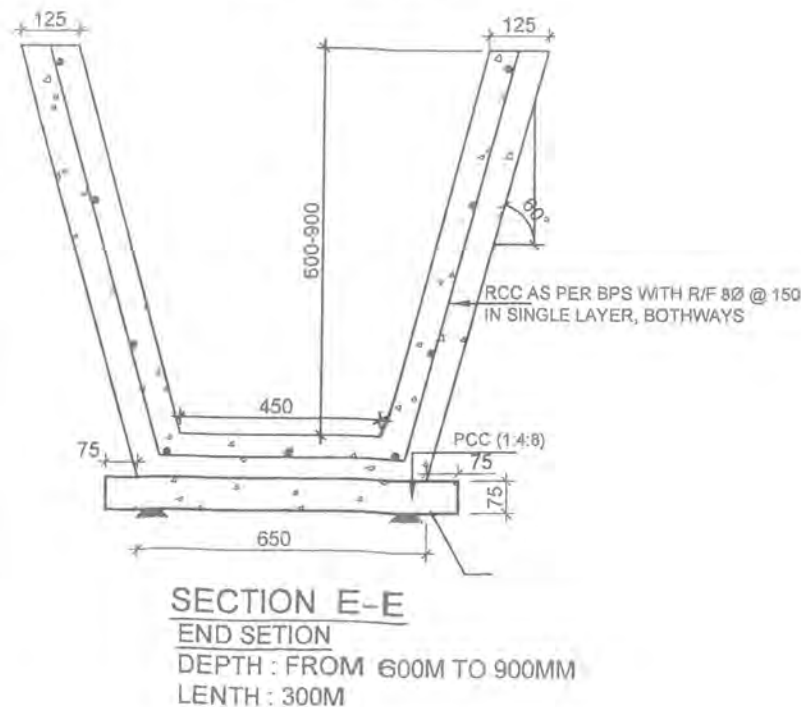
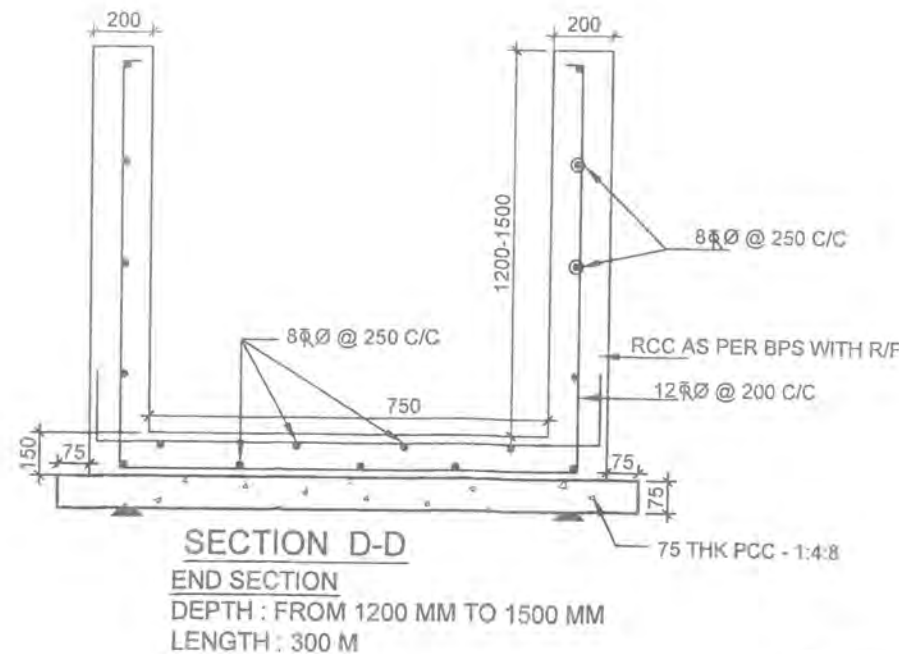
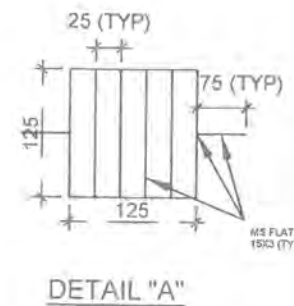
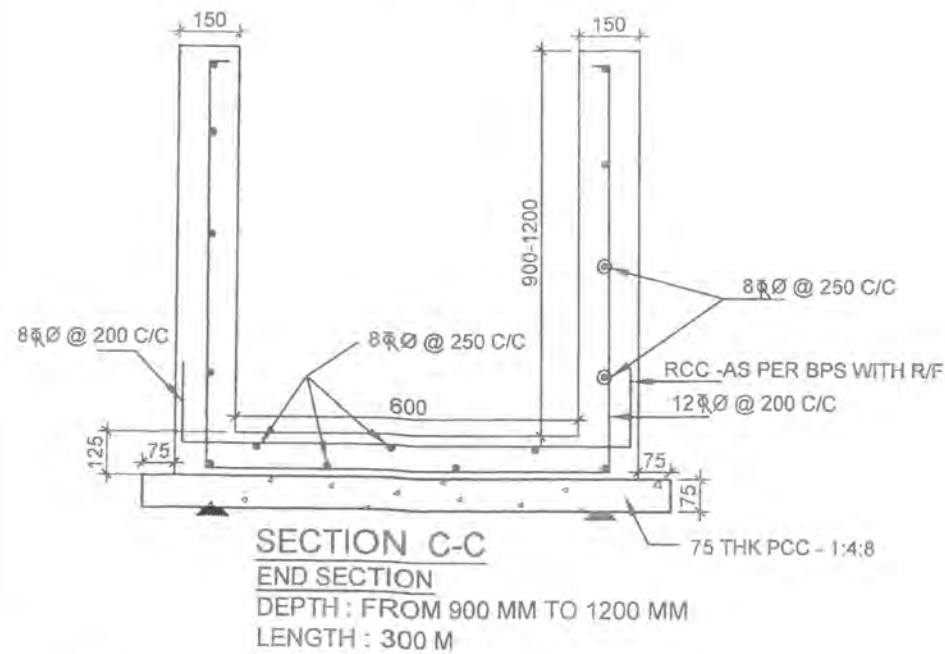
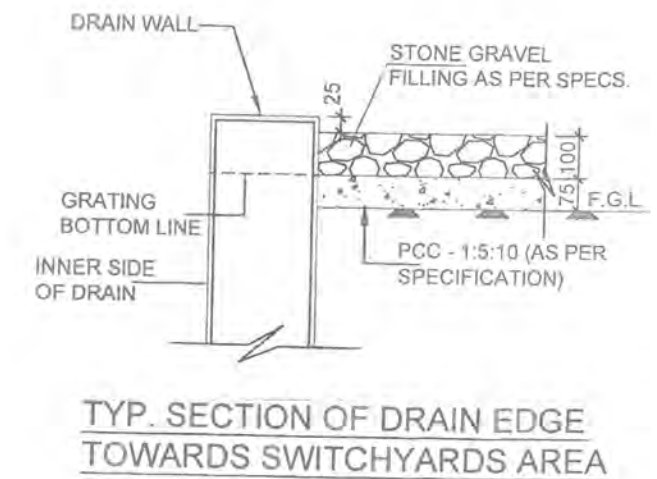
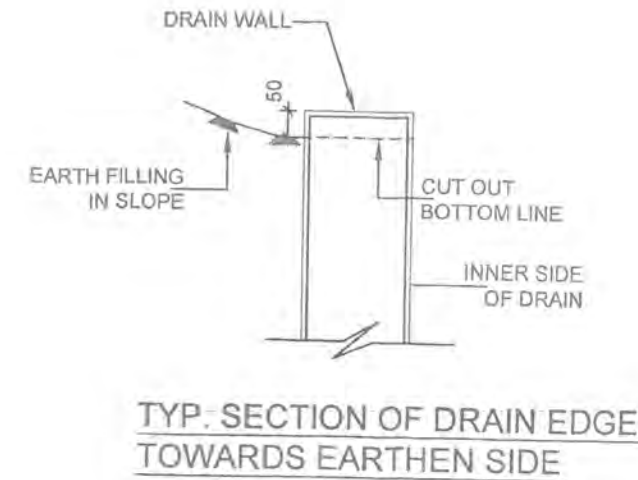
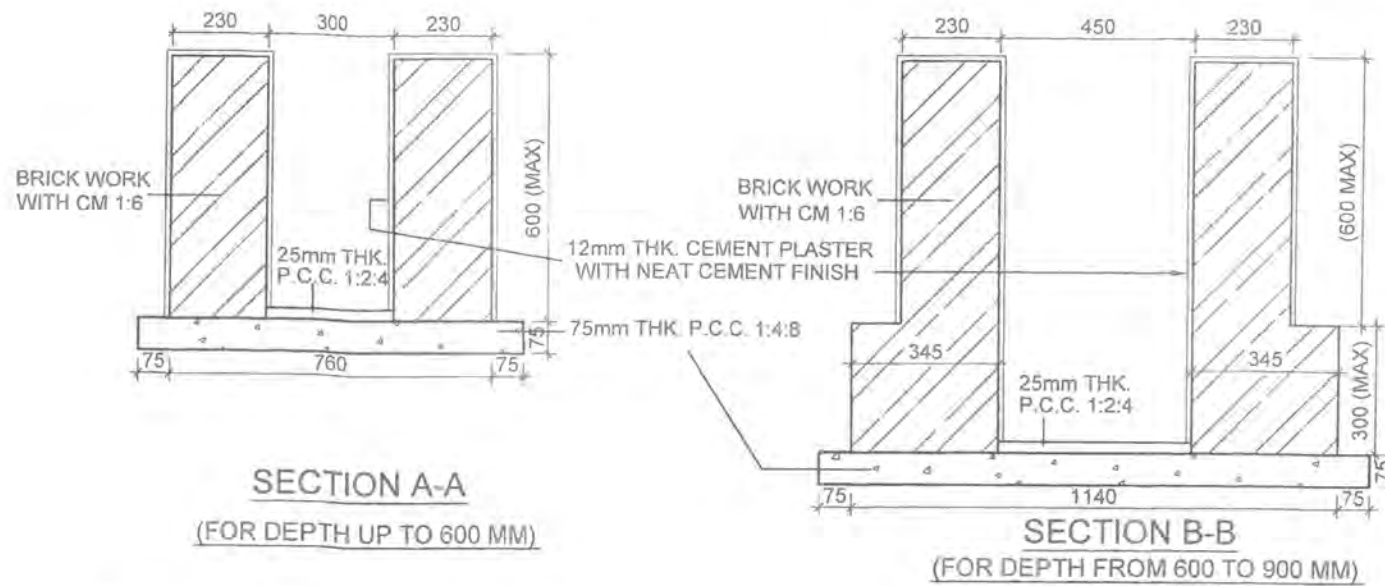
1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE THE DRG.
3. RCC HUME PIPE SHALL BE OF GRADE NP3.
4. CLASS 75 BRICKS SHALL BE USED.
5. CONCRETE MIX USE FOR COVERING RCC PIPE SHALL BE 1:2:4 (1 CEMENT: 2 COURSE SAND: 4 STONE AGGREGATE OF 20 MM NORNINAL SIZE).
6. LEAN CONCRETE SHALL BE 1:4:8 (1 CEMENT: 4 COURSE SAND: 8 STONE AGGREGATE OF 40 MM NORNINAL SIZE)
7. BRICK MASSONARY SHALL BE DONE USING CEMENT MORTAR (1CEMENT: 6 COURSE SAND)

IMP:

1. SUITABLE SECTION SHALL BE ADOPTED AS PER SITE CONDITIONS

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

TITLE : DETAIL OF ROAD CULVERTS



NOTES:-

1. ALL DIMENSIONS ARE IN MM. & ELEVATIONS ARE IN METRE UNLESS NOTED OTHERWISE.
2. ALL DRAINS SHALL BE GIVEN A MINIMUM SLOPE OF 1:1000 IN THE LONGITUDINAL DIRECTION
3. ALL REINFORCEMENT SHALL BE AS PER BPS.
4. MINIMUM DEPTH OF DRAIN SHALL BE 300MM BELOW FGL.
5. WHERE EVER TWO SECTIONS ARE MEETING A TRANSITION ZONE SHALL BE CONSTRUCTED HAVING LENGTH 1000mm.
6. 75X75mm WEEP HOLE SHALL BE PROVIDED AT SPACING OF 1500mm HORIZONTALY & 300mm VERTICALLY IN STAGGERED MANNER. HOWEVER 75MMDIA PVC PIPE WEEP HOLE SHALL BE PROVIDED IN CASE OF RCC DRAIN.
7. DEPTH OFF DRAIN IS TAKEN AS HEIGHT FROM TOP OF DRAIN TO INVERT OF DRAIN
8. LAYOUT OF DRAIN WILL BE ISSUED DURING DETAILED ENGINEERING.
9. IF EXPANSIVE SOIL IS ENCOUNTERED AT FOUNDING LVL. IT SHALL BE REMOVED TO AMIN. DEPTH OF 300 MM. AND SHALL BE REPLACED BY WELL COMPACED (IN 03 EQ. LAYERS) LOCALLY AVAILABLE C.N.S. MATERIAL /SAND.
10. WHEREEVER DRAINS ARE COMING IN THE SIDE OF SWITCHYARD / TOWNSHIP ROAD, PROPER COMPACTION BETWEEN EDGE OF ROAD AND DRAIN SHOULD BE ENSURED
11. 20MM WIDE EXPANSION JOINT SHALL BE PROVIDED IN RCC DRAIN @ 45M C/C. THE JOINT SHALL BE FILLED WITH 1:4 CEMENT SAND MORTAR.

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

TITLE : DETAILS OF DRAIN (Sh 1-2)

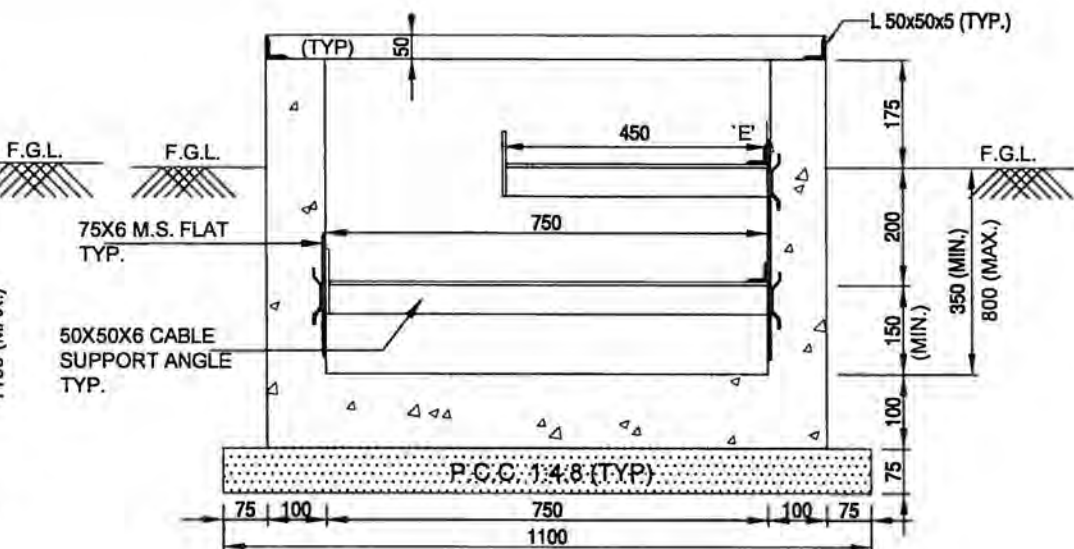
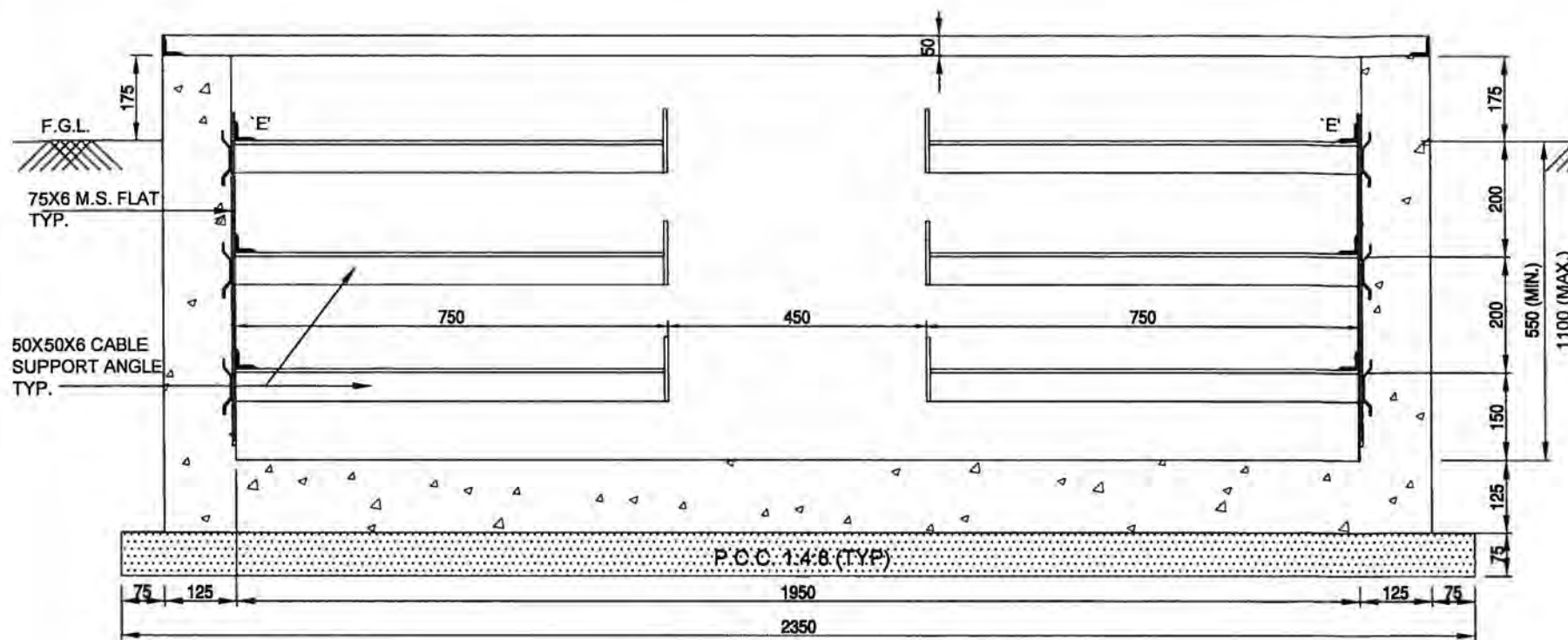


SECTION F-F



INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

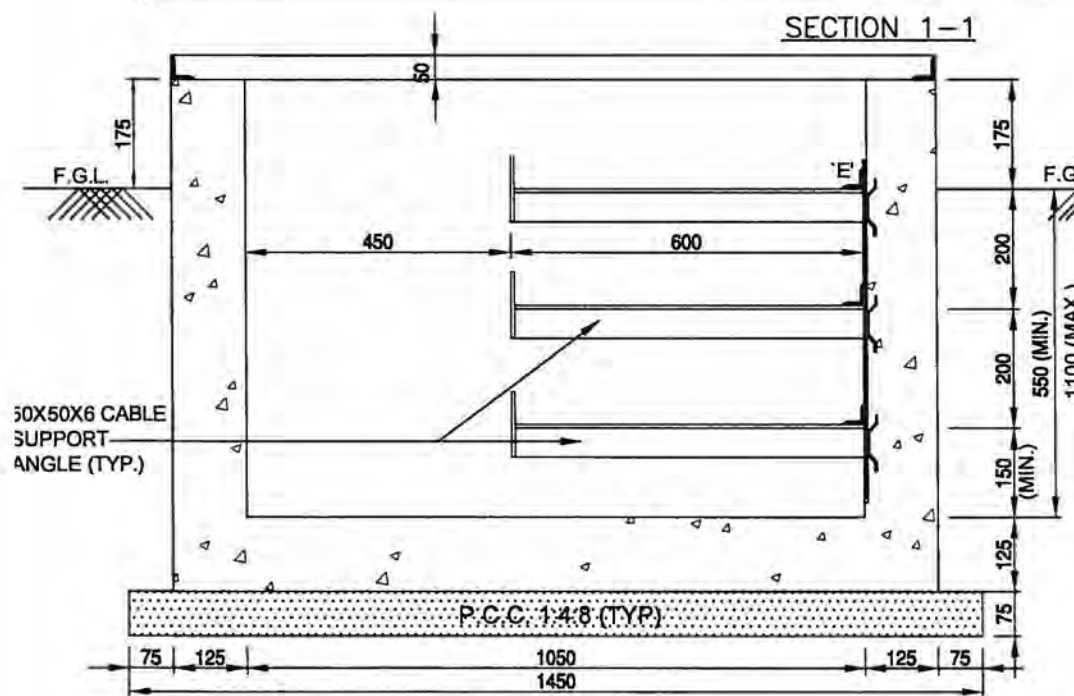
TITLE : DETAILS OF DRAIN (Sh 2-2)



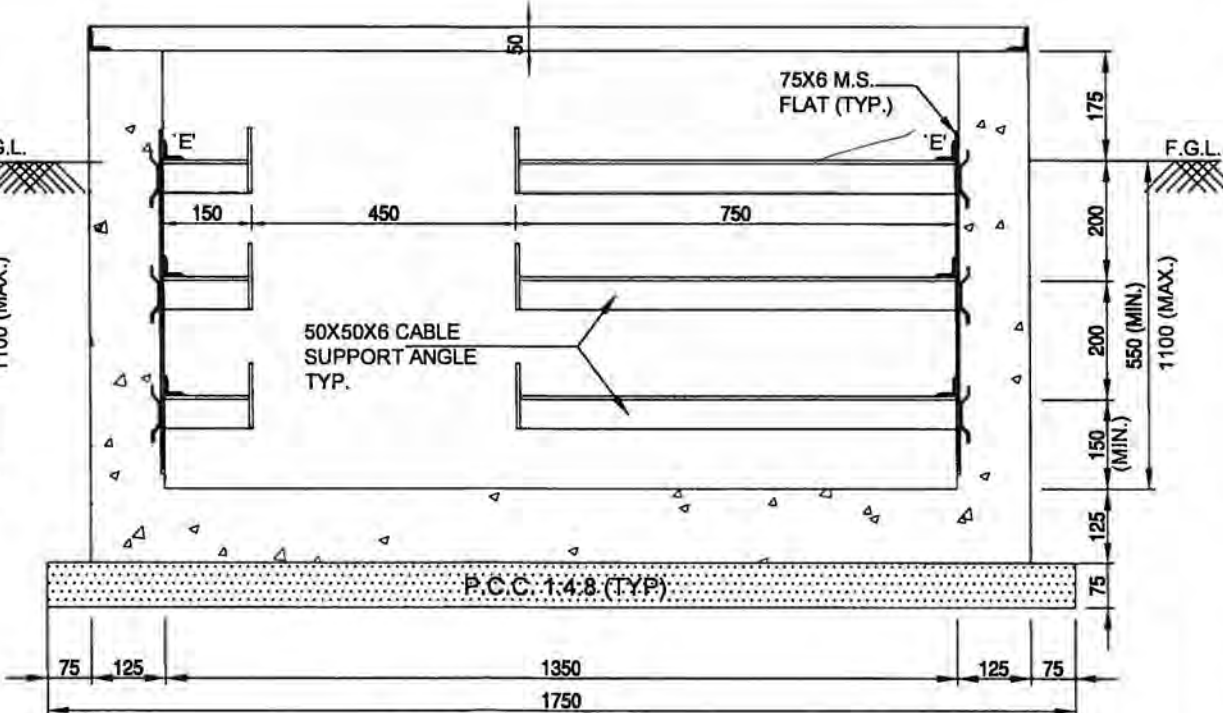
SECTION 3-3

GENERAL NOTES:

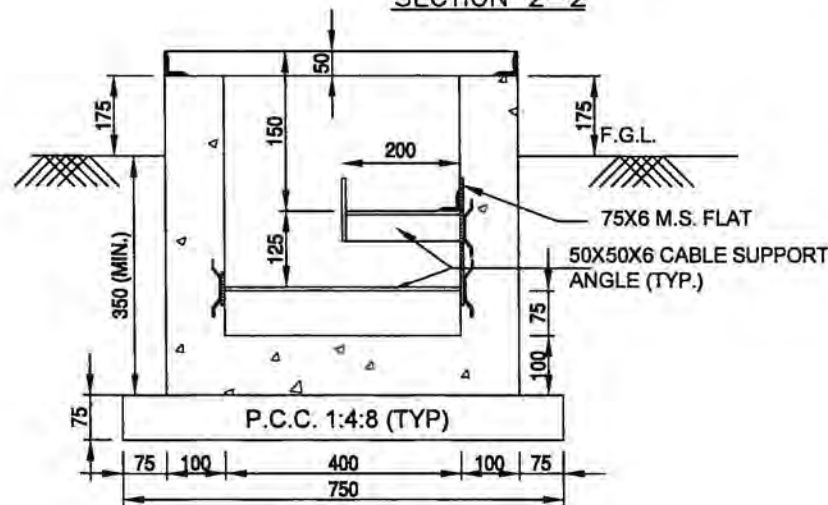
1. ALL DIMENSIONS ARE IN MM. UNLESS NOTED OTHERWISE.
2. DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. LAP LENGTH SHALL BE 47 TIMES DIA. OF BAR.
4. PROVIDE CLEAR COVER TO REINFORCEMENT AS UNDER.
 - a) 25MM FOR INNER SIDE OF CABLE TRENCH.
 - b) 50MM FOR OUTER SIDE AND BOTTOM OF CABLE TRENCH
5. ALL R.C.C. SHALL BE AS PER BPS ITEMS UNLESS NOTED OTHERWISE.
6. LIFTING HOOK SHALL BE PROVIDED IN EVERY TENTH COVER SLAB.
7. NECESSARY OPENINGS SHALL BE PROVIDED AT APPROPRIATE LOCATIONS TO TAKE OUT CABLES.
8. FOR ACTUAL DEPTH OF TRENCHES REFER APPROVED CABLE TRENCH LAYOUT
9. F.G.L. DENOTES FINISHED GROUND LEVEL.
10. ALL CABLE TRENCHES SHALL HAVE A SLOPE OF 1:1000 IN THE DIRECTION OF MAIN RUN AWAY FROM THE BUILDING.
11. EARTHING CONDUCTOR 'E' 50x6 M.S. FLAT SHALL BE WELDED TO THE CABLE SUPPORTING STRUCTURE BEFORE INSTALLATION OF CABLE. EARTHING CONDUCTOR 'E' SHALL BE PROVIDED ON THE TOP TIER OF EACH CABLE TRENCH SECTION.
12. ALL STEEL STRUCTURES PLATES SHALL BE PAINTED WITH ANTI-CORROSIVE PAINT TO AN EVEN SHADE TWO OR MORE COATS OVER A COAT OF SUITABLE STEEL PRIMER BEFORE INSTALLATION OF CABLES AND EARTHING CONDUCTOR SHALL BE PAINTED RED.
13. CONSTRUCTION JOINT SHALL BE PROVIDED AT 30M OR AS PER SITE REQUIREMENT BUT NOT EXCEEDING 30M.
14. ALL SUPPORT ANGLES SHALL BE 50x50x6
15. ANCHORING FLAT (75x6) SHALL BE PROVIDED AT EACH SUPPORT ANGLE POINT.
16. INCASE EXPANSIVE SOIL IS ENCOUNTERED AT FOUNDING LEVEL, IT SHALL BE REMOVED TO A MINIMUM DEPTH OF 300 MM AND SHALL BE REPLACED BY WELL COMPACTED LOCALLY AVAILABLE C.N.S. MATERIAL OR LOCAL SAND.
17. ALL REINFORCEMENT STEEL BARS SHALL BE TMT OR HYSD BARS CONFORM TO IS:1786-1985 OF GRADE Fe500



SECTION 2-2



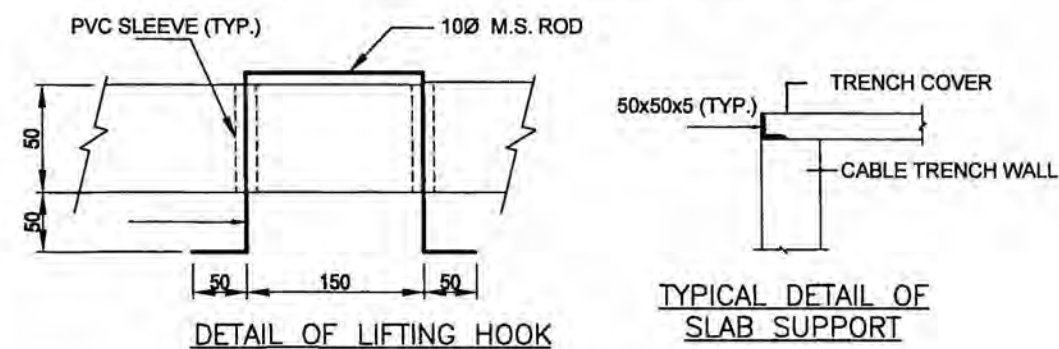
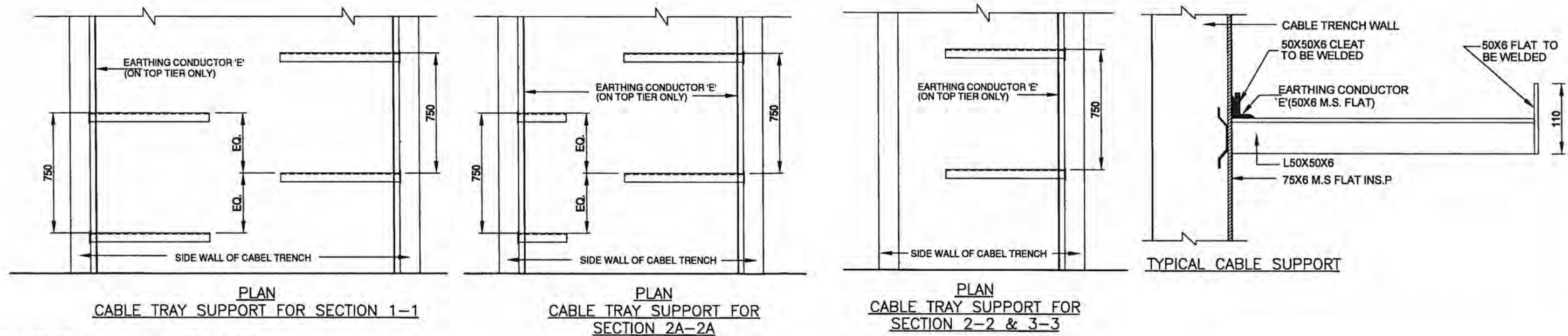
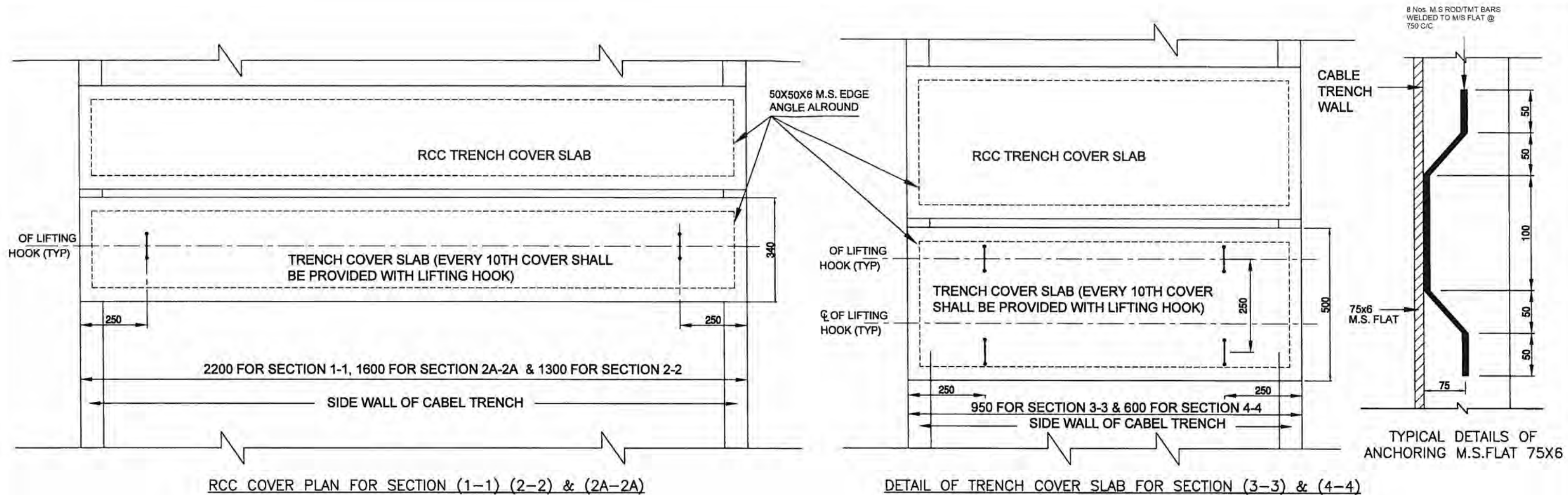
SECTION 2A-2A



SECTION 4-4

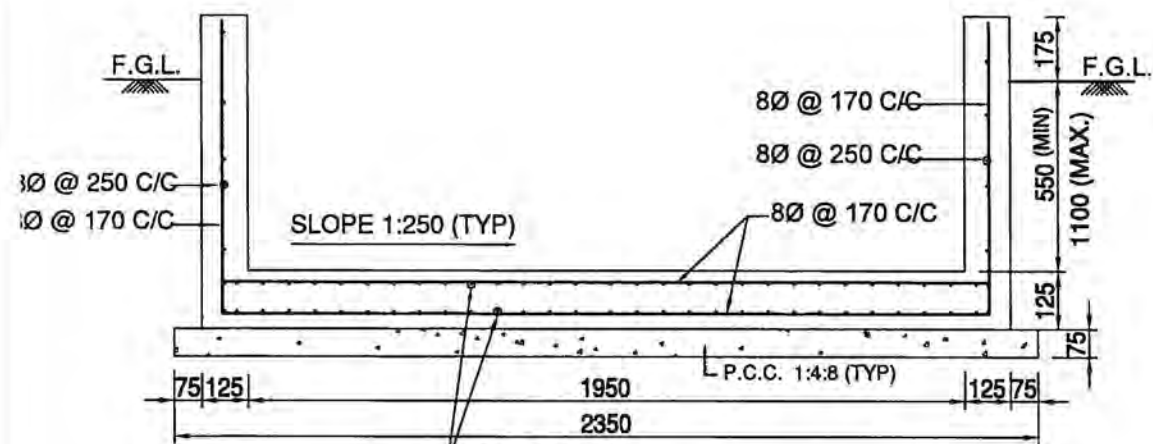
INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

TITLE : DETAILS OF CABLE TRENCHES AND CABLE TRENCH
ROAD CROSSING (Sh 1-4)

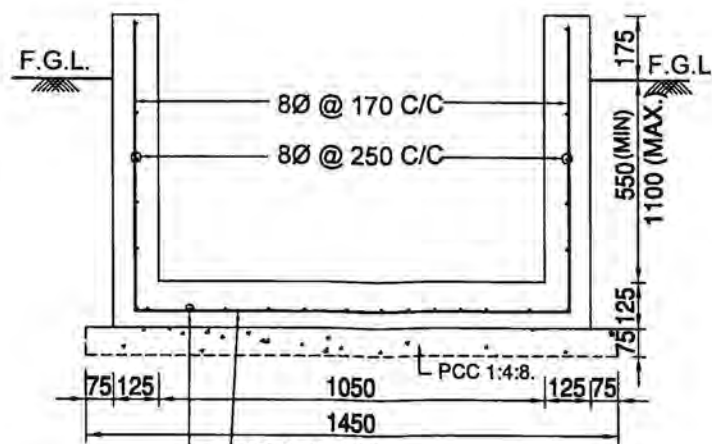


INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

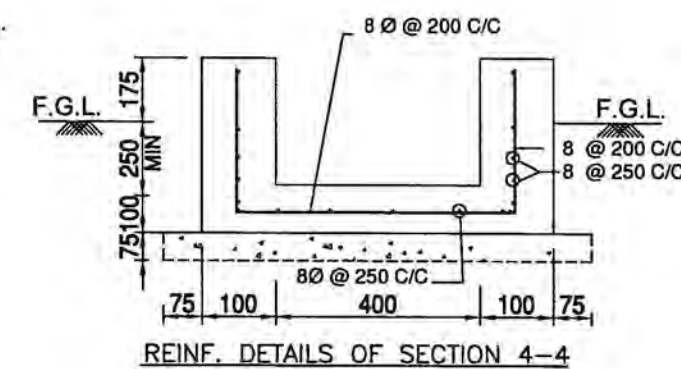
**TITLE : DETAILS OF CABLE TRENCHES AND
CABLE TRENCH ROAD CROSSING (Sh 2-4)**



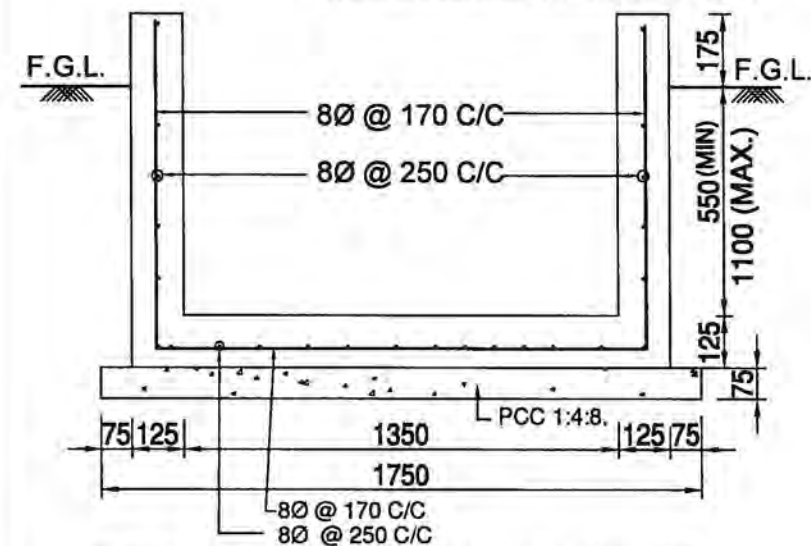
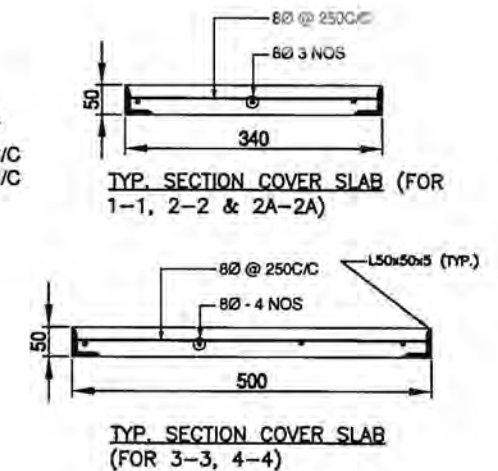
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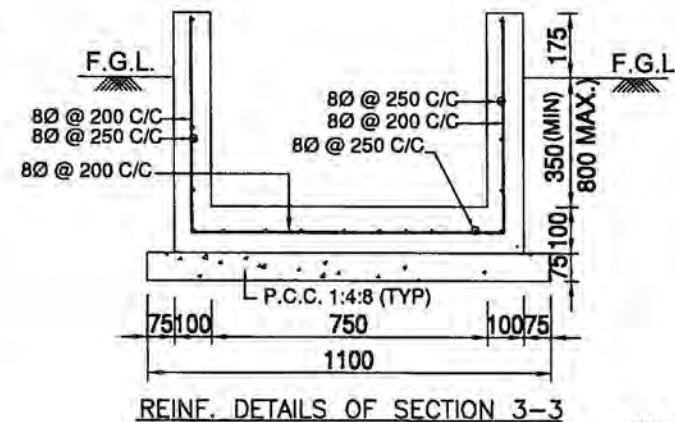
REINF. DETAILS OF SECTION 2-2



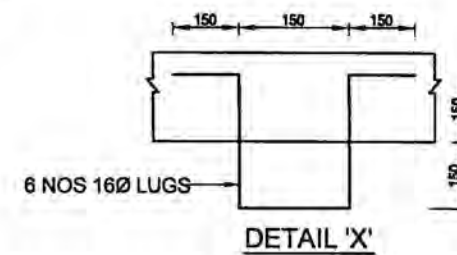
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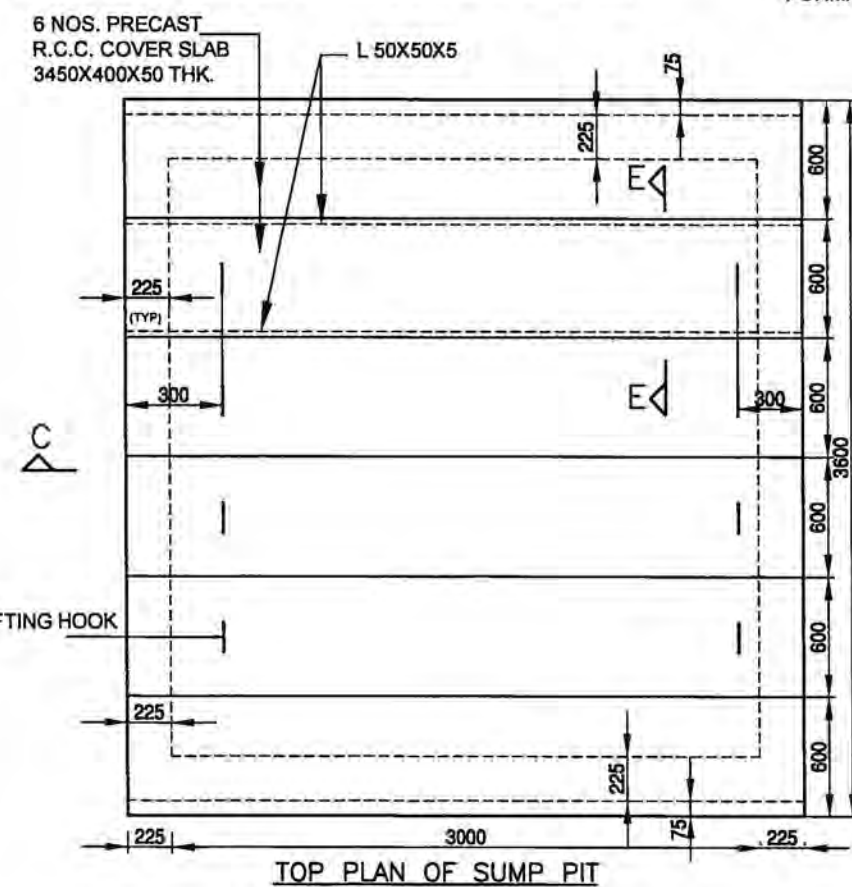
REINF. DETAILS OF SECTION 2A-2A



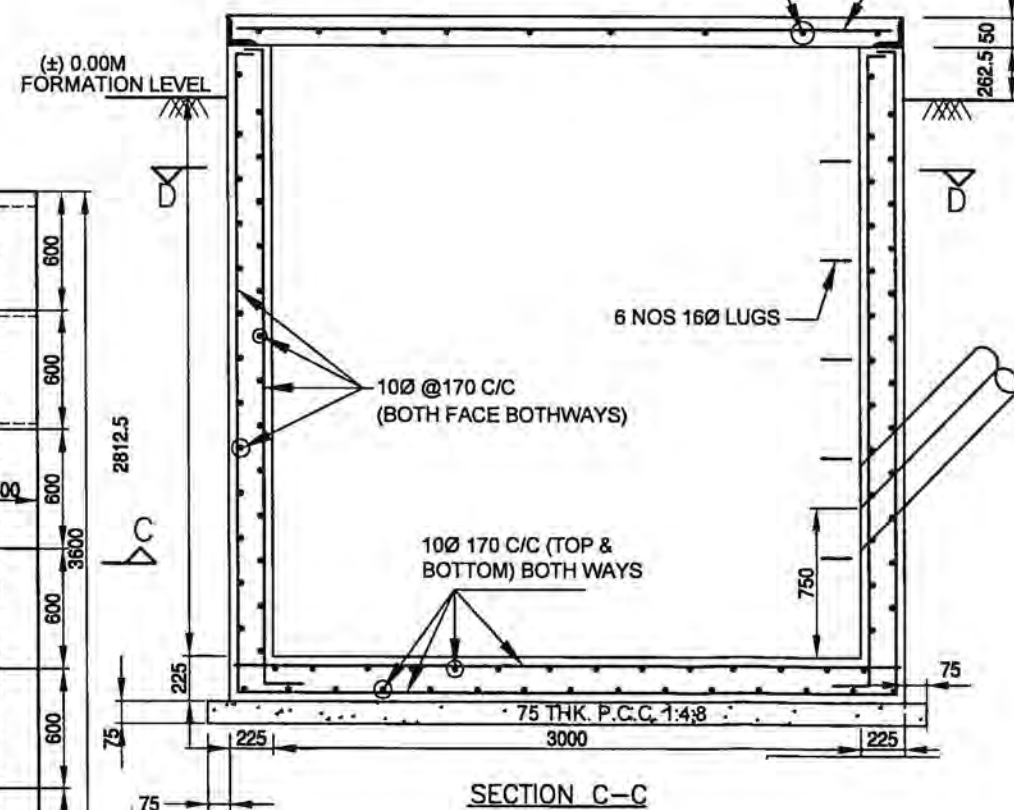
REINF. DETAILS OF SECTION 3-3



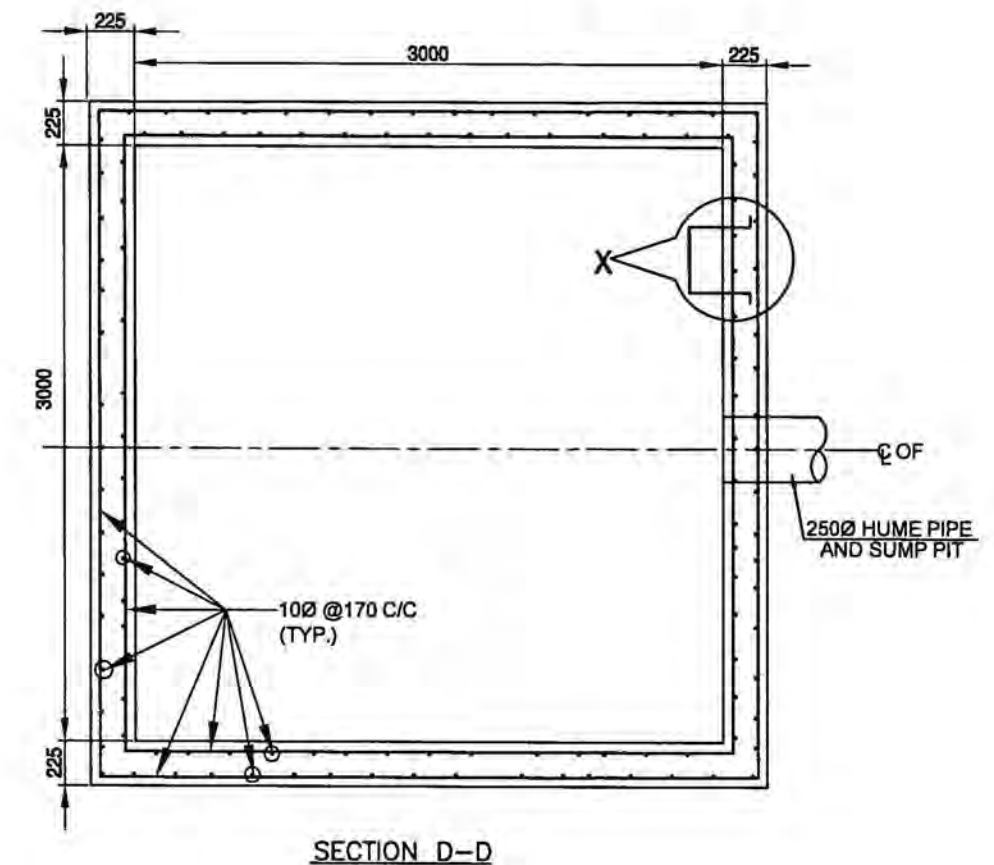
DETAIL 'X'



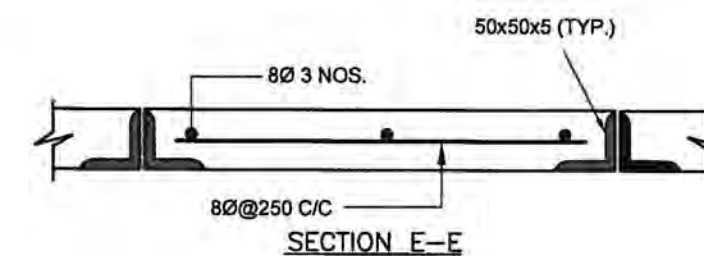
TOP PLAN OF SUMP PIT



SECTION C-C



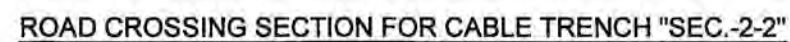
SECTION D-D



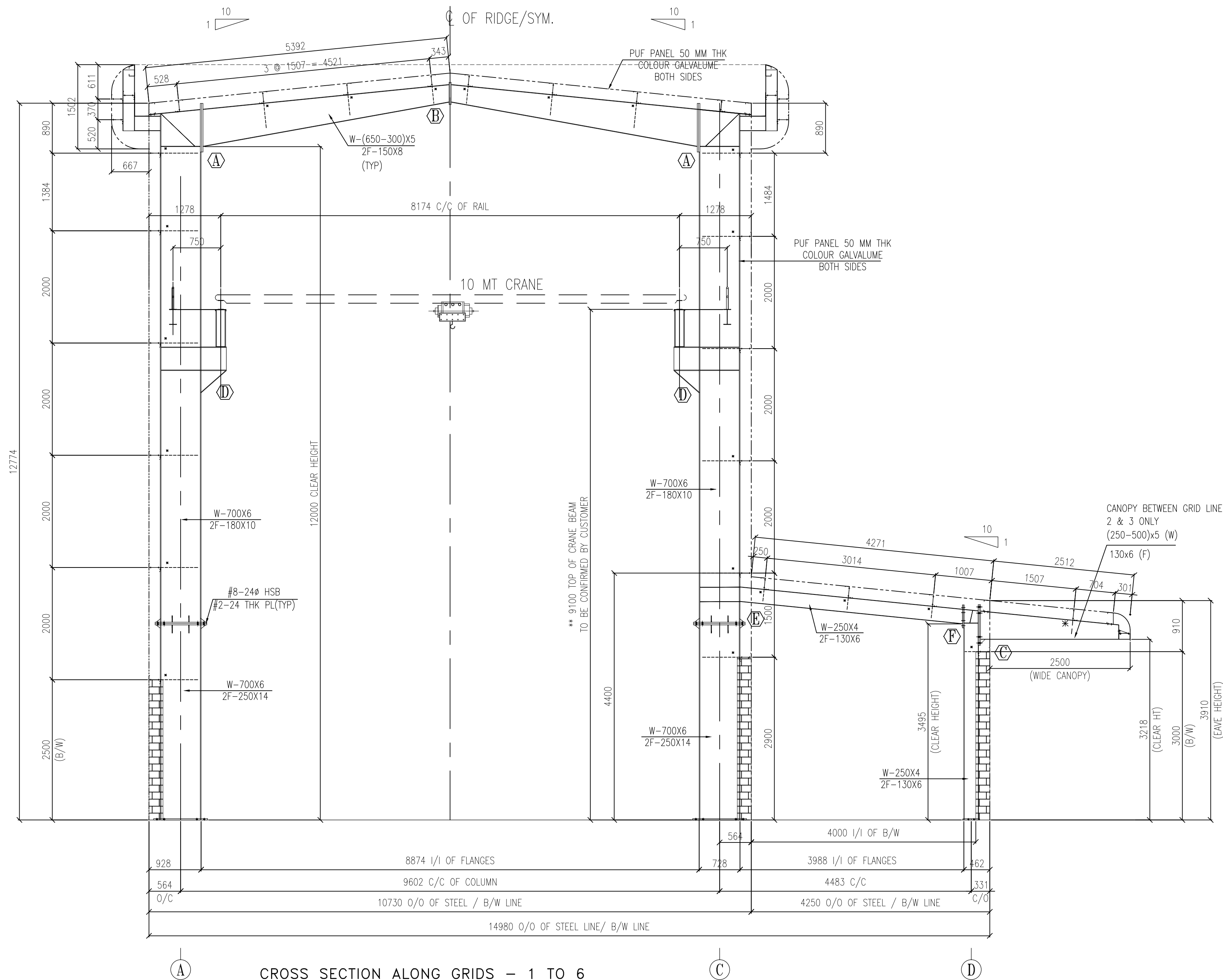
SECTION E-E

INDICATIVE DRAWING FOR TENDER PURPOSE ONLY

TITLE : DETAILS OF CABLE TRENCHES AND CABLE TRENCH ROAD CROSSING (Sh 3-4)

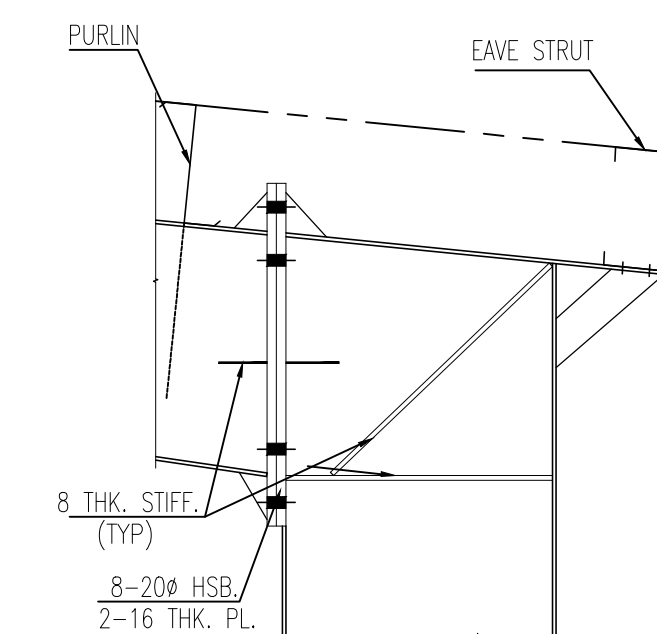


TITLE : DETAILS OF CABLE TRENCHES AND
CABLE TRENCH ROAD CROSSING (Sh 4-4)

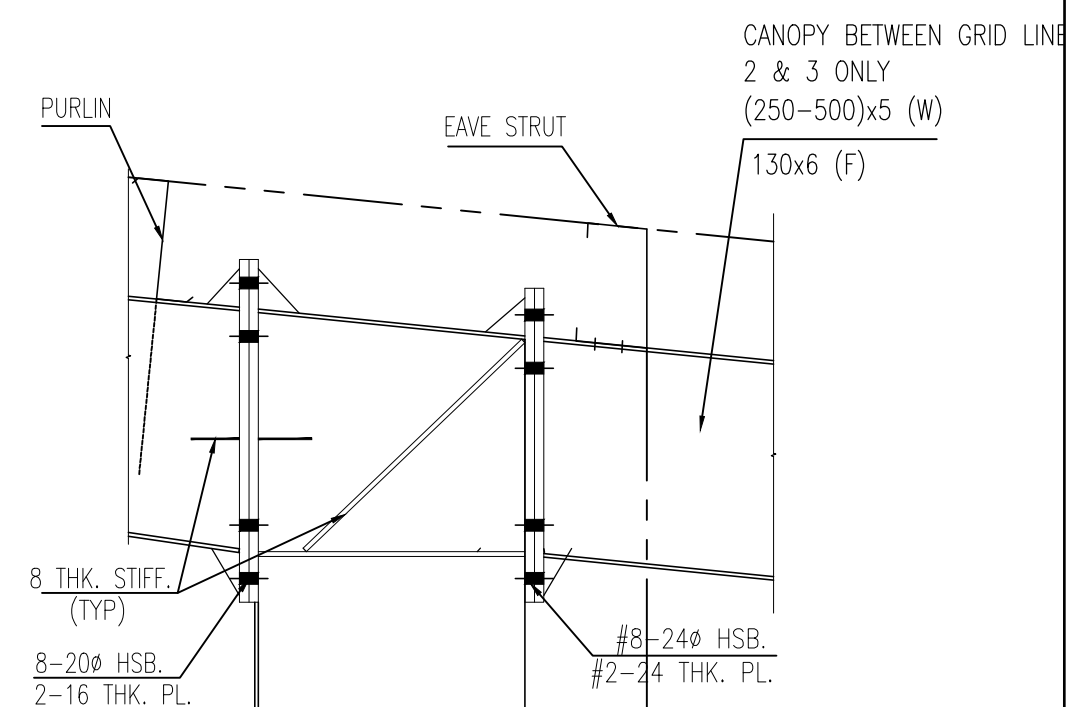


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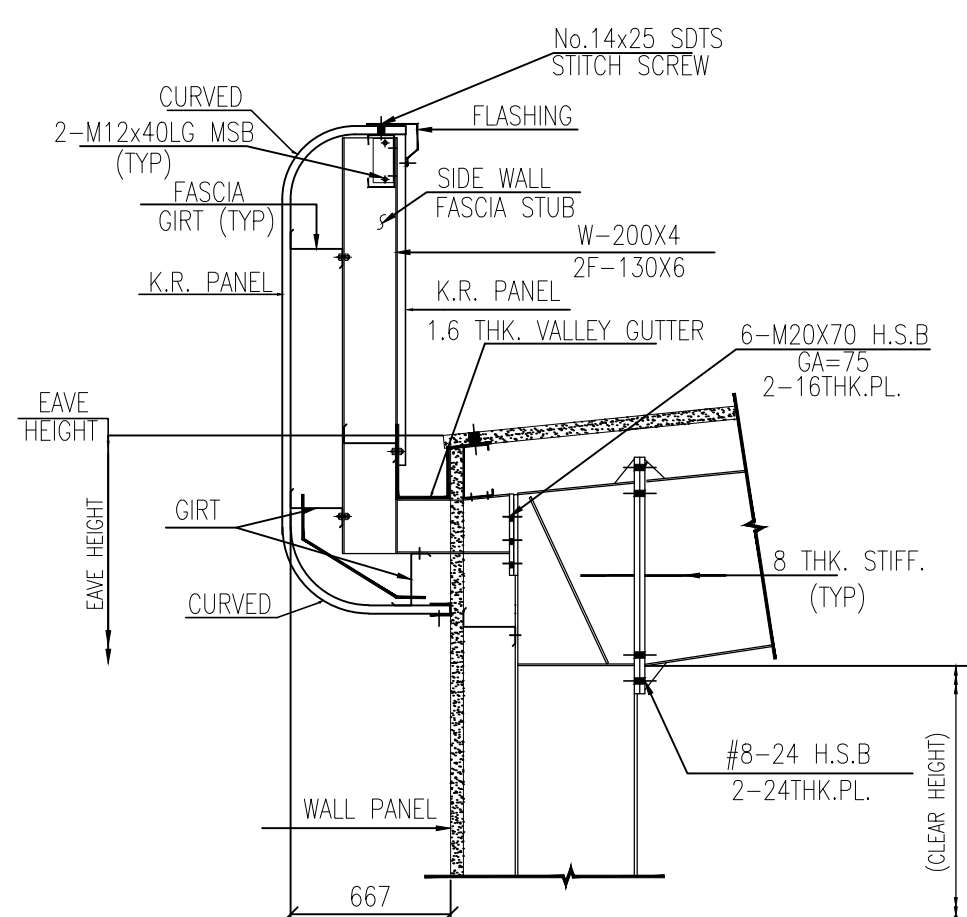
- 1) TOP OF BRACKET TO BE CONFIRMED BY CUSTOMER
- 2) RAIL C/C DISTANCE TO BE CONFIRMED BY CUSTOMER
- 3) * INDICATES FLANGE BRACING.



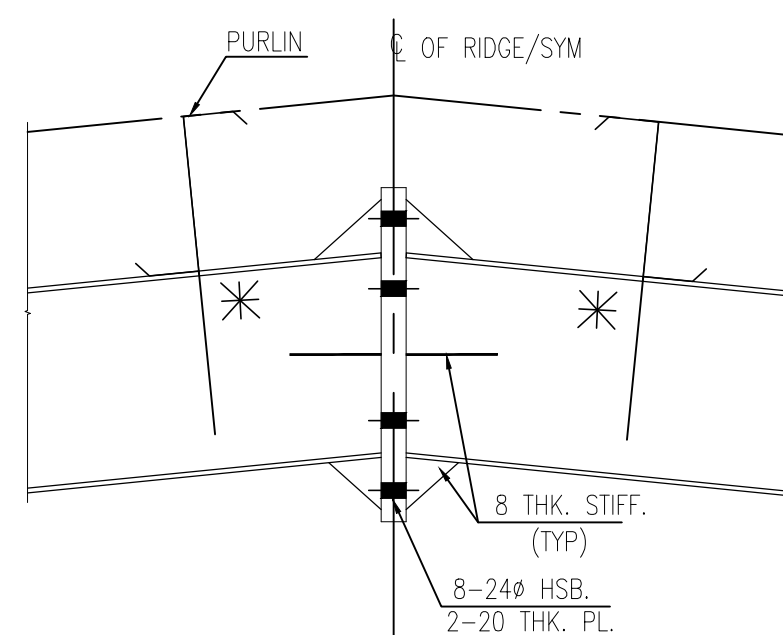
**DETAIL - F (@ GRID LINE 1, 4 TO 6
WITHOUT CANOPY SPLICE**



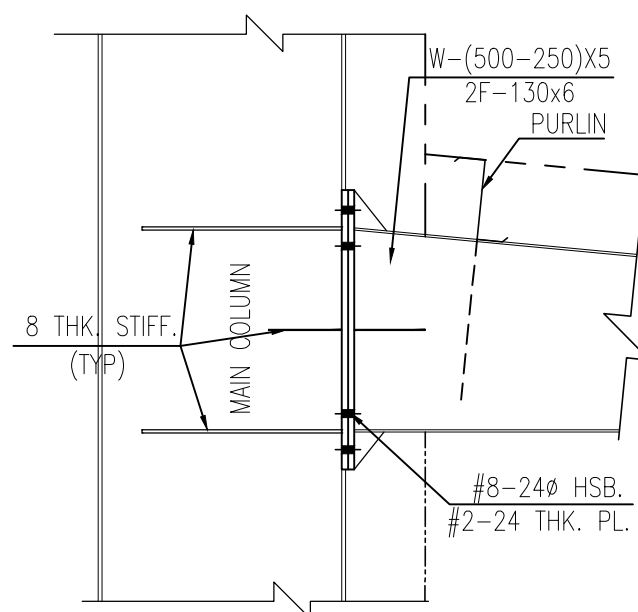
DETAIL - F & C



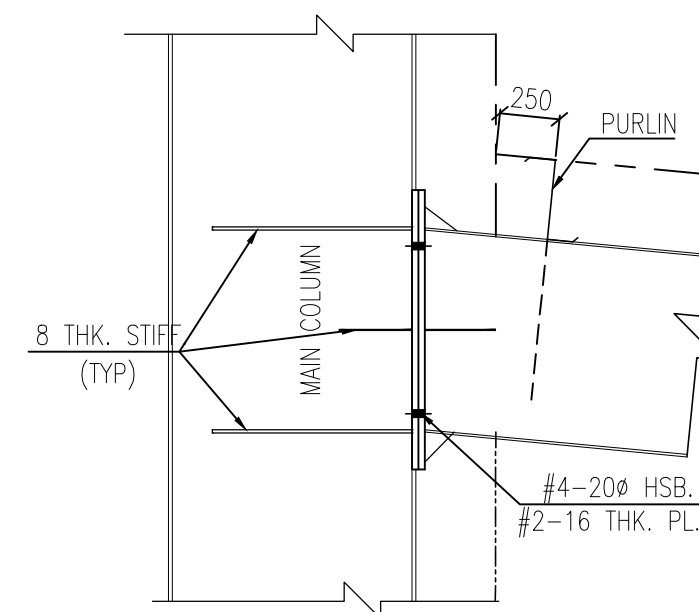
DETAIL - A



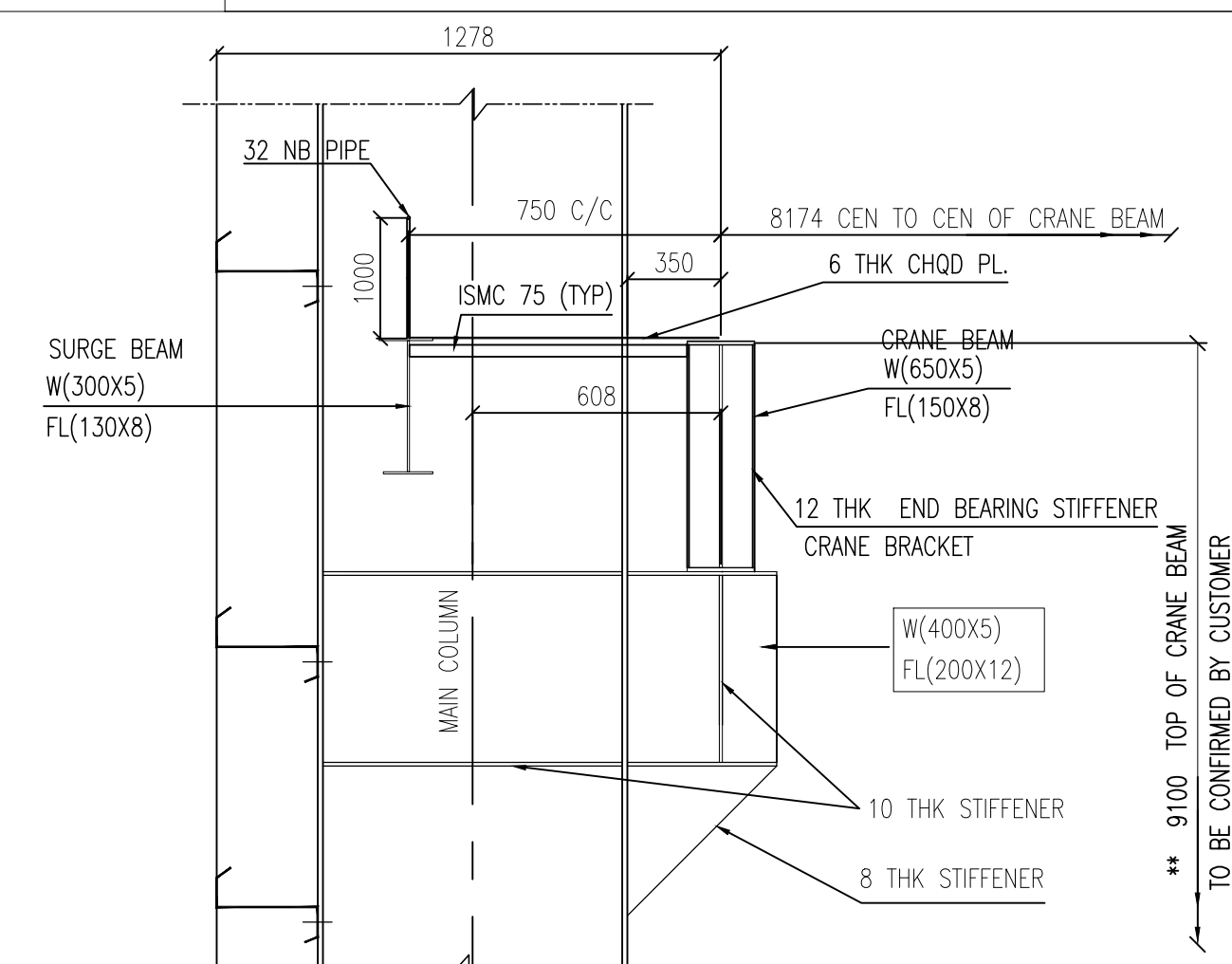
DETAIL - B



DETAIL - C



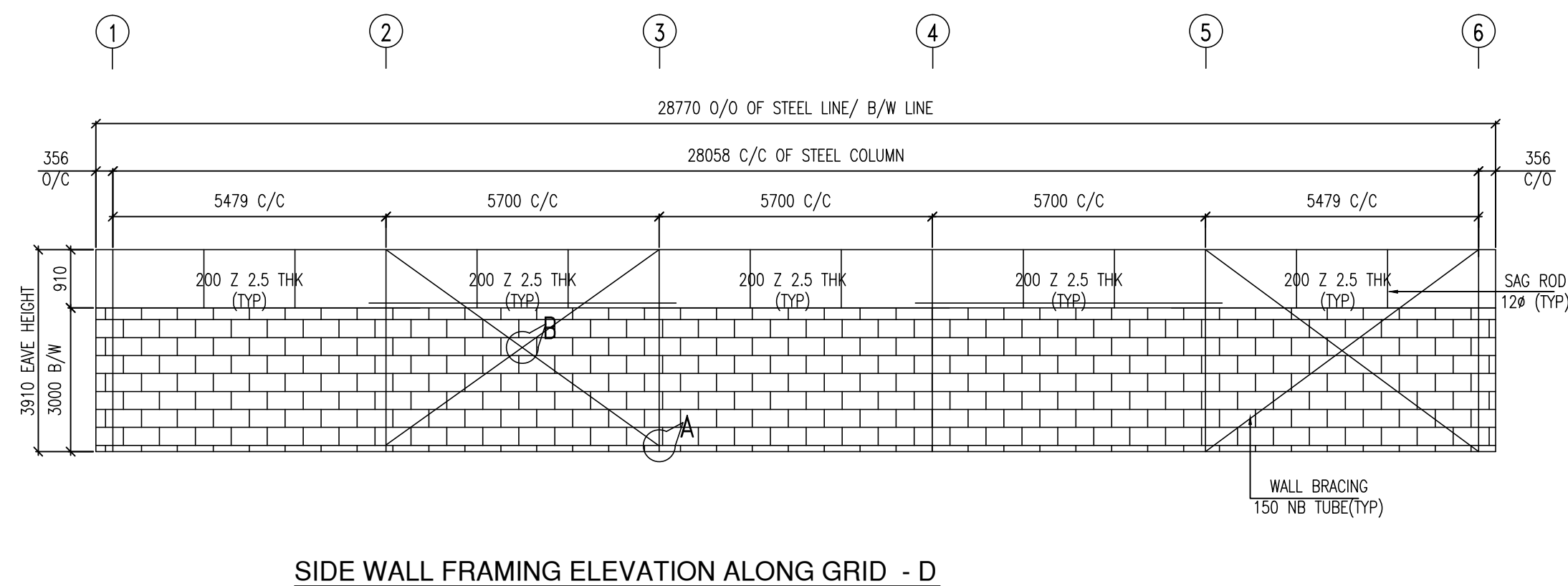
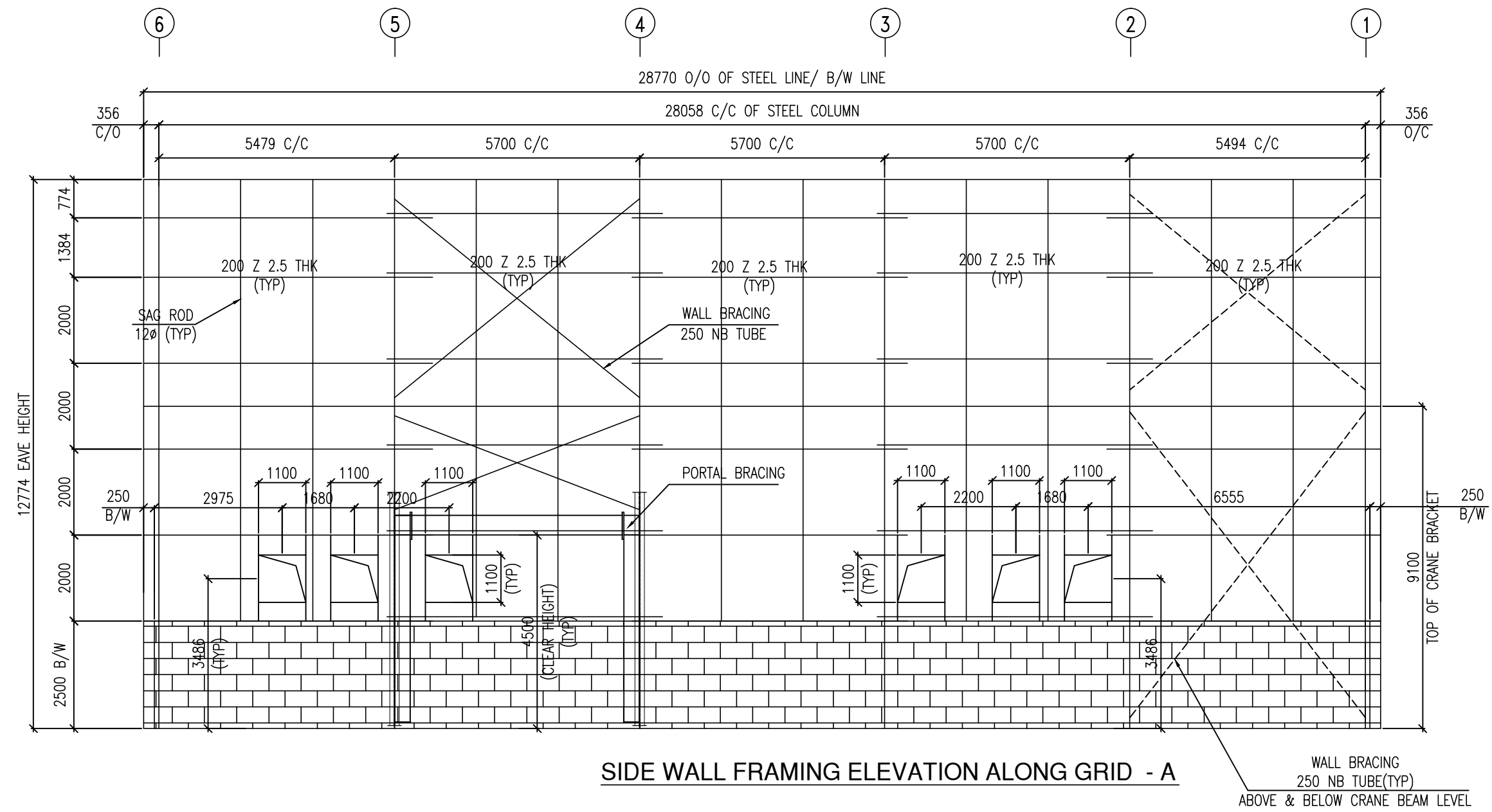
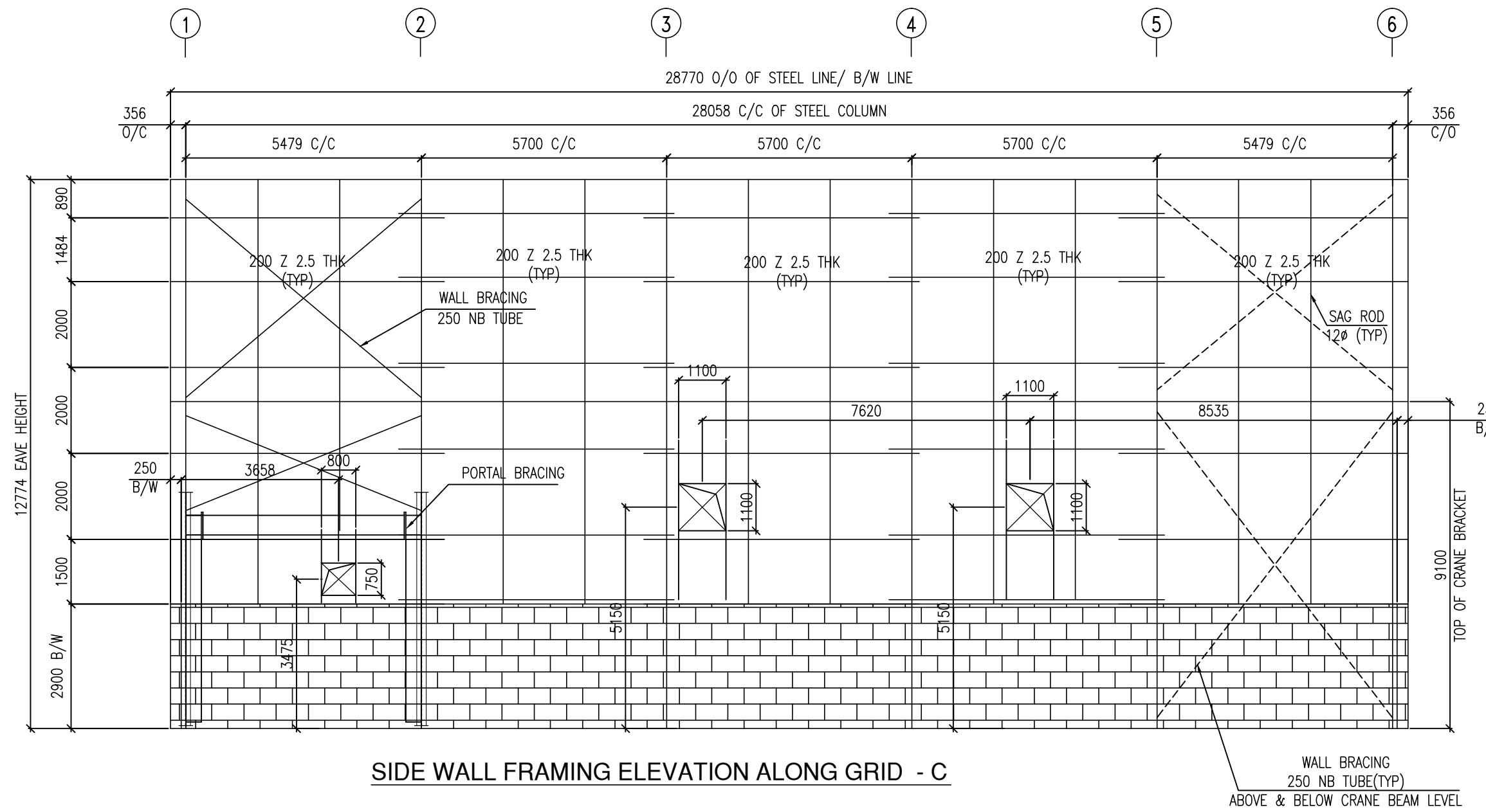
DETAIL - E



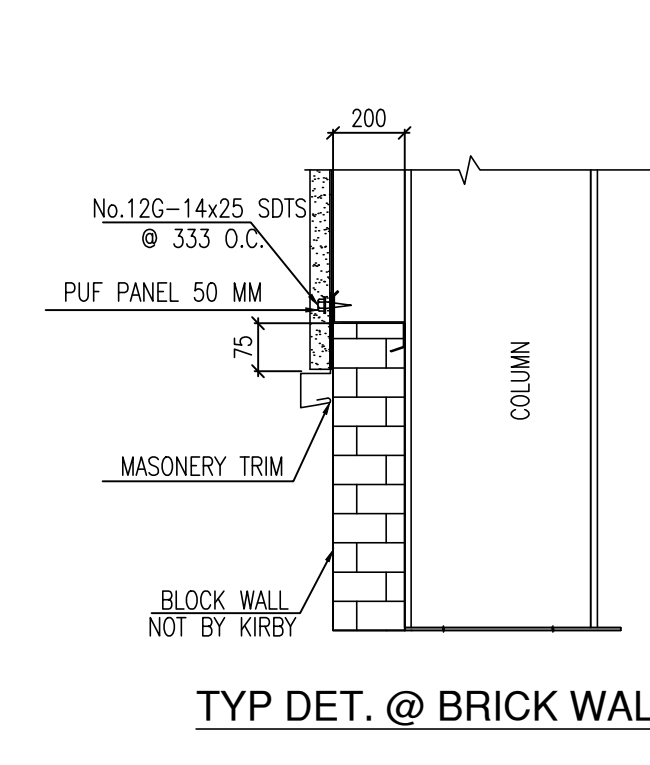
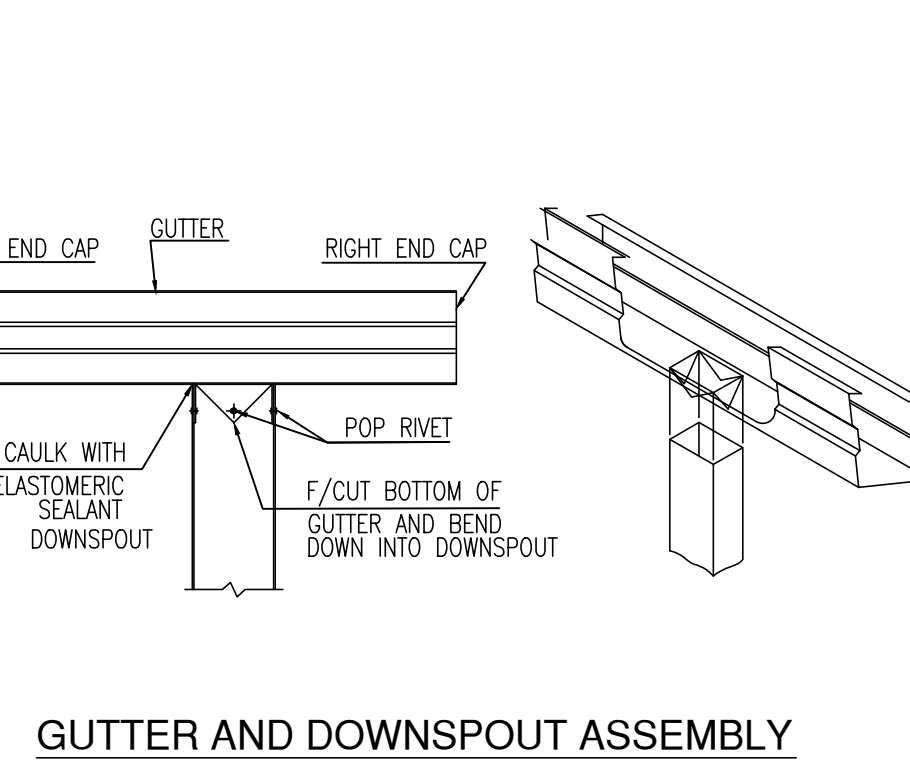
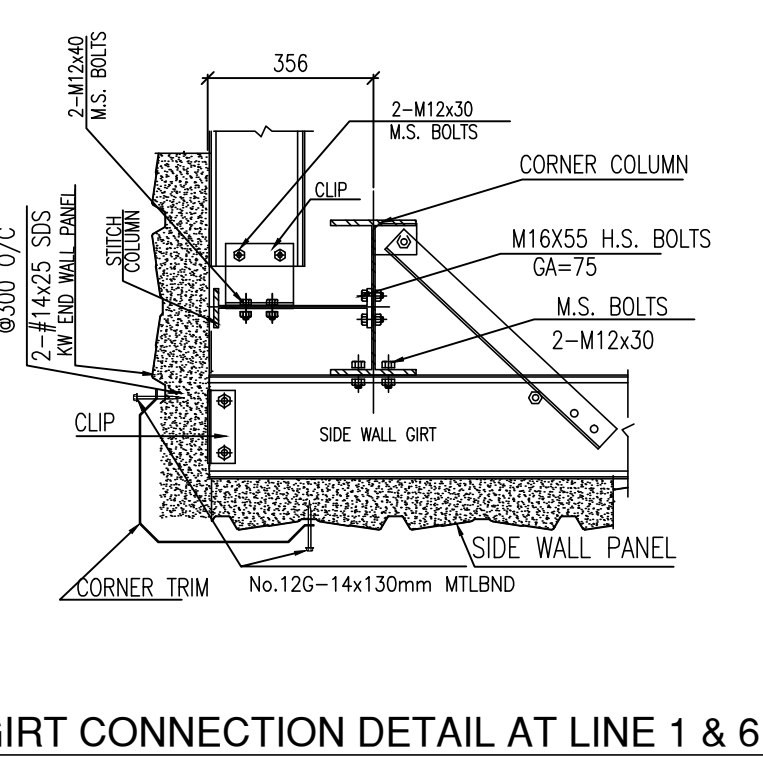
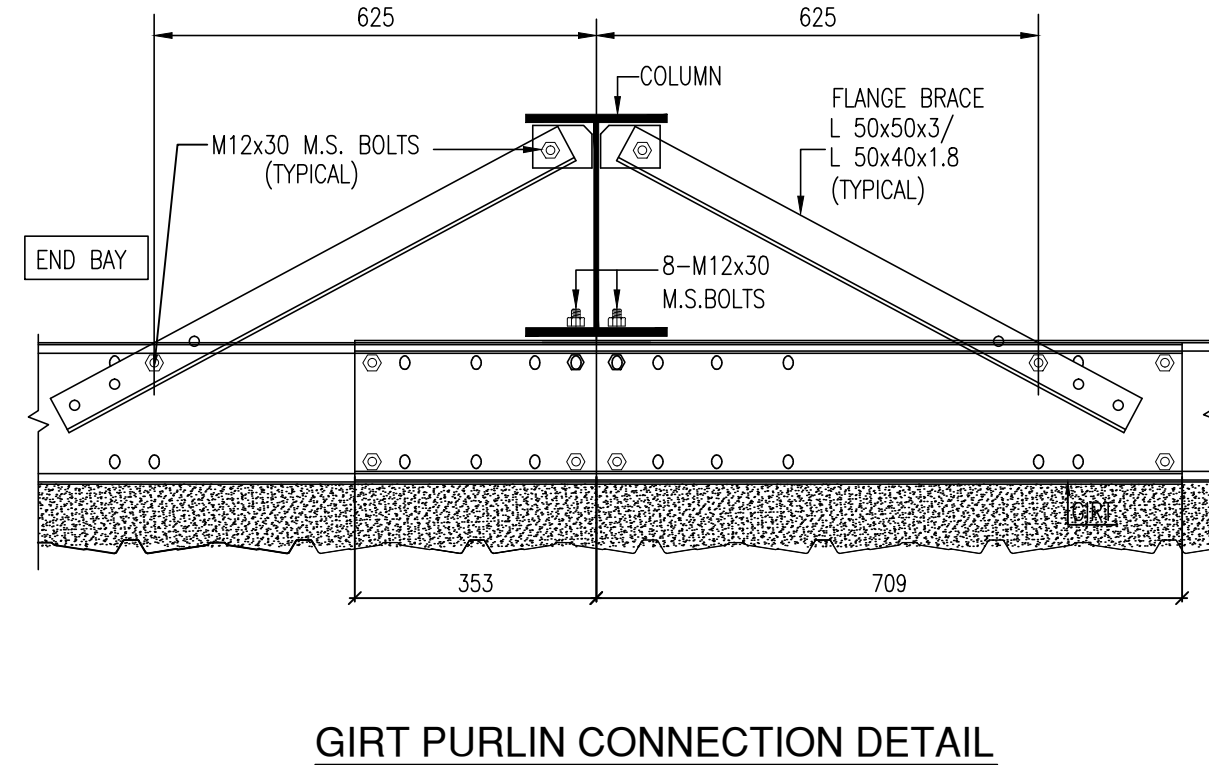
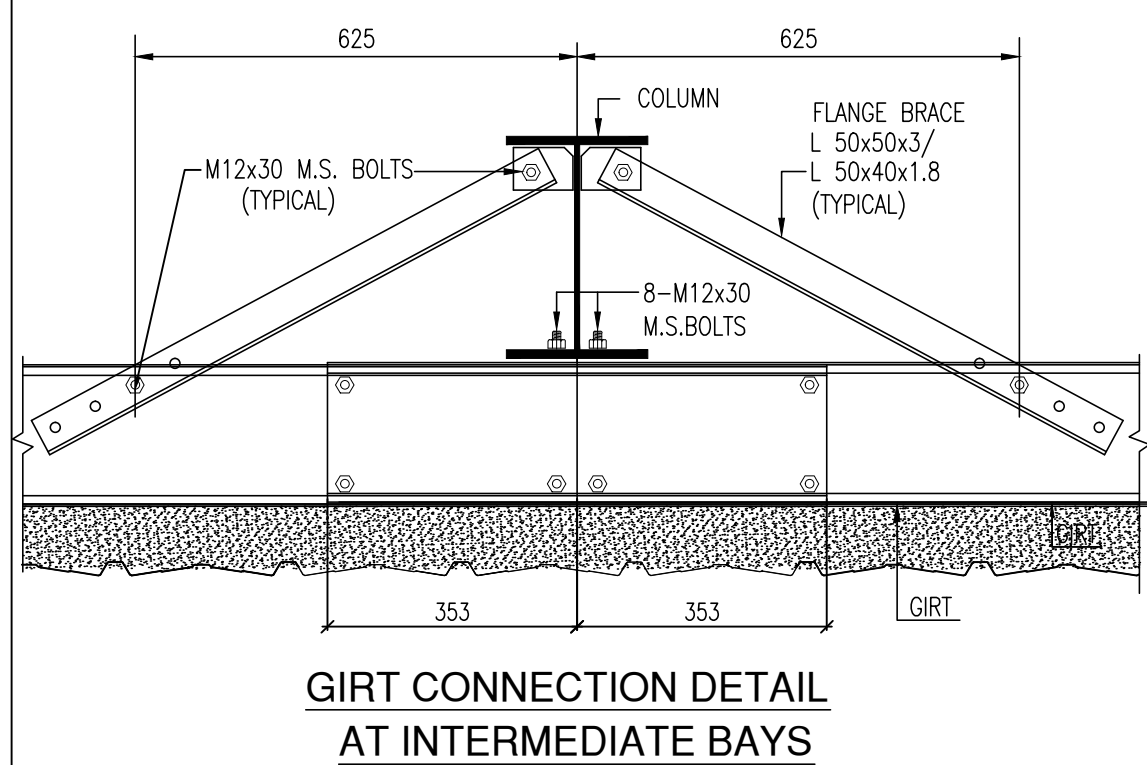
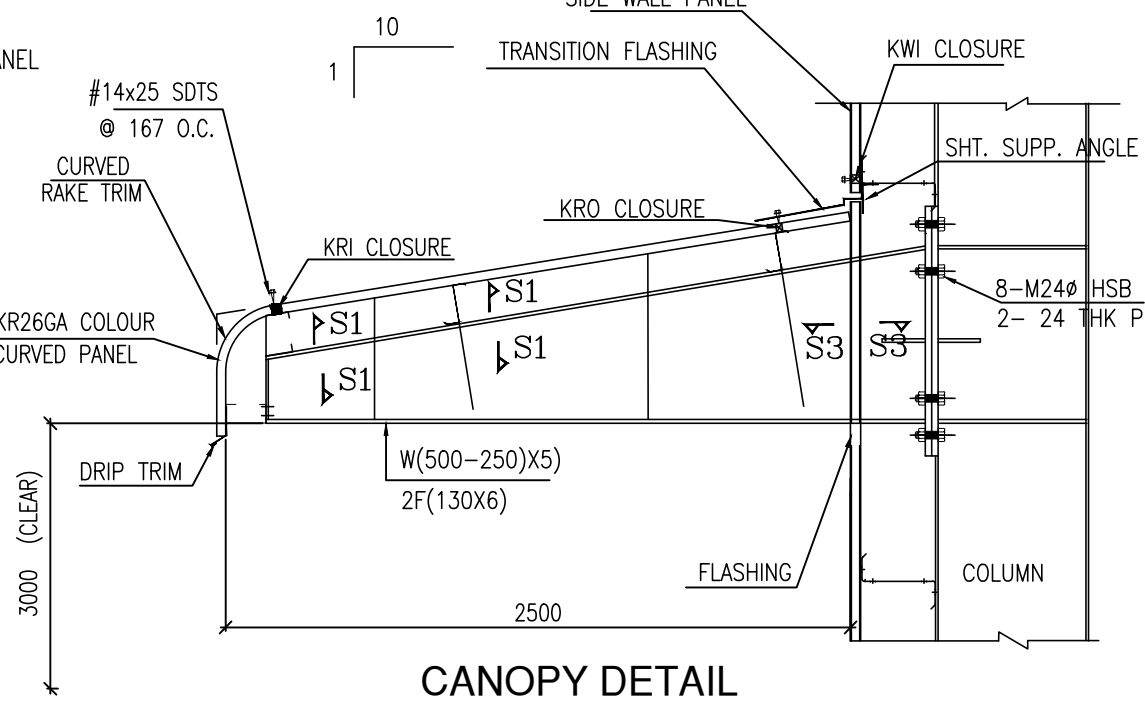
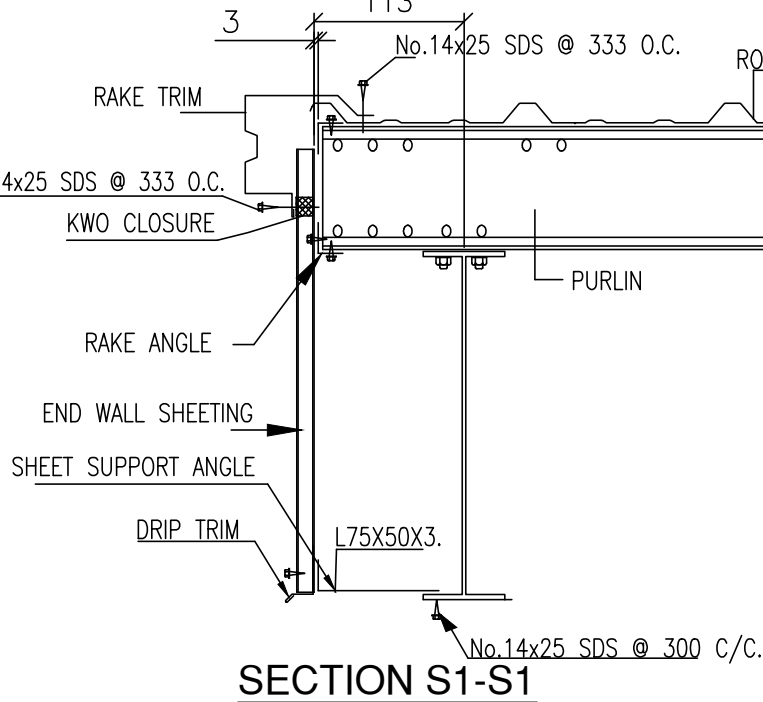
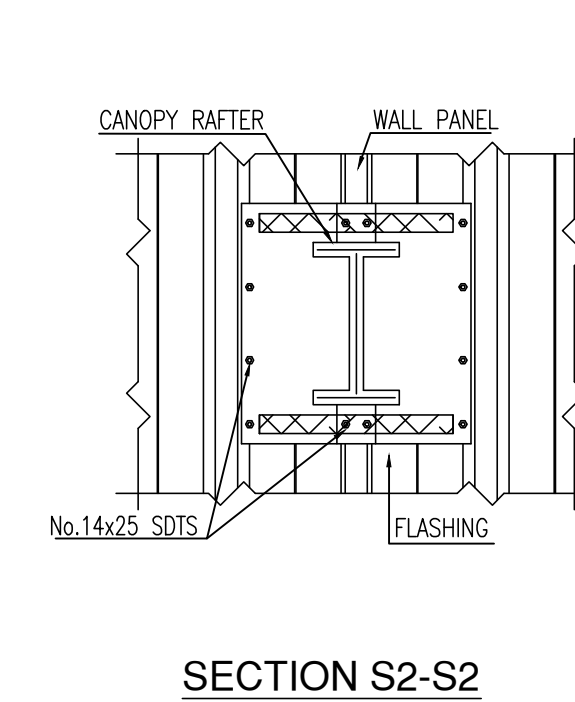
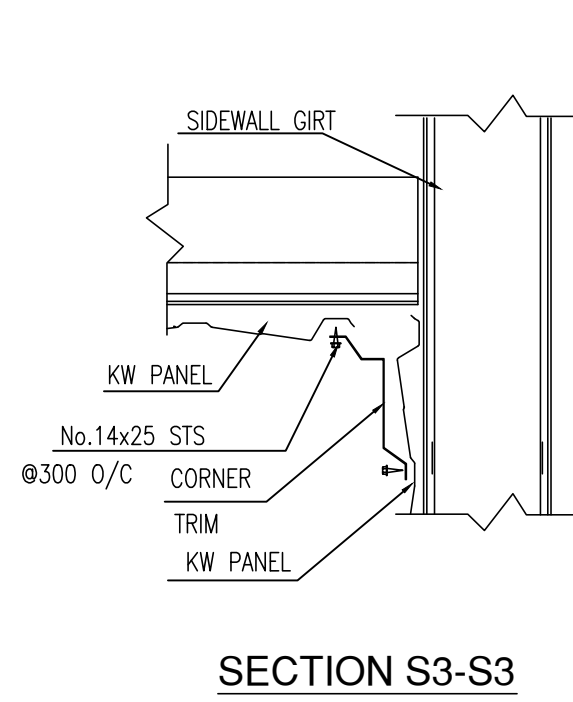
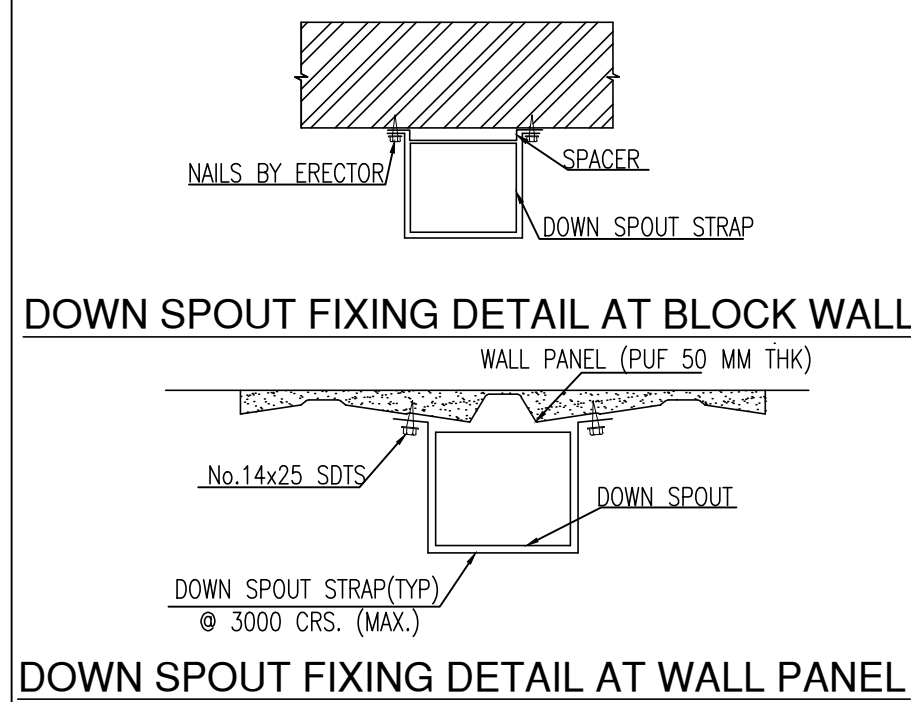
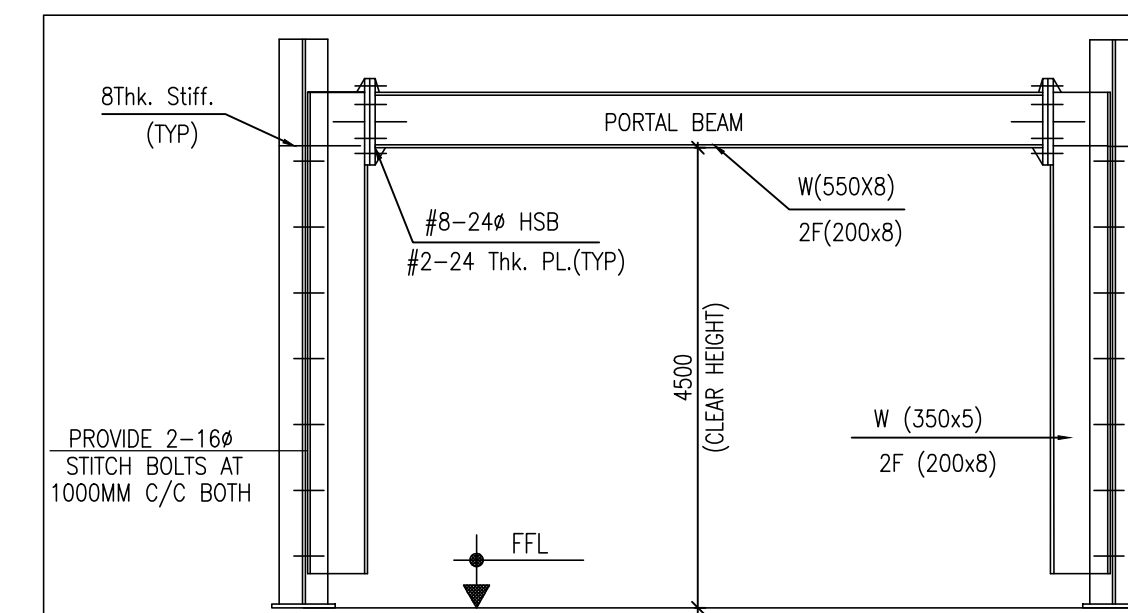
DETAIL - D

**220KV GIS
Sheet 02**

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

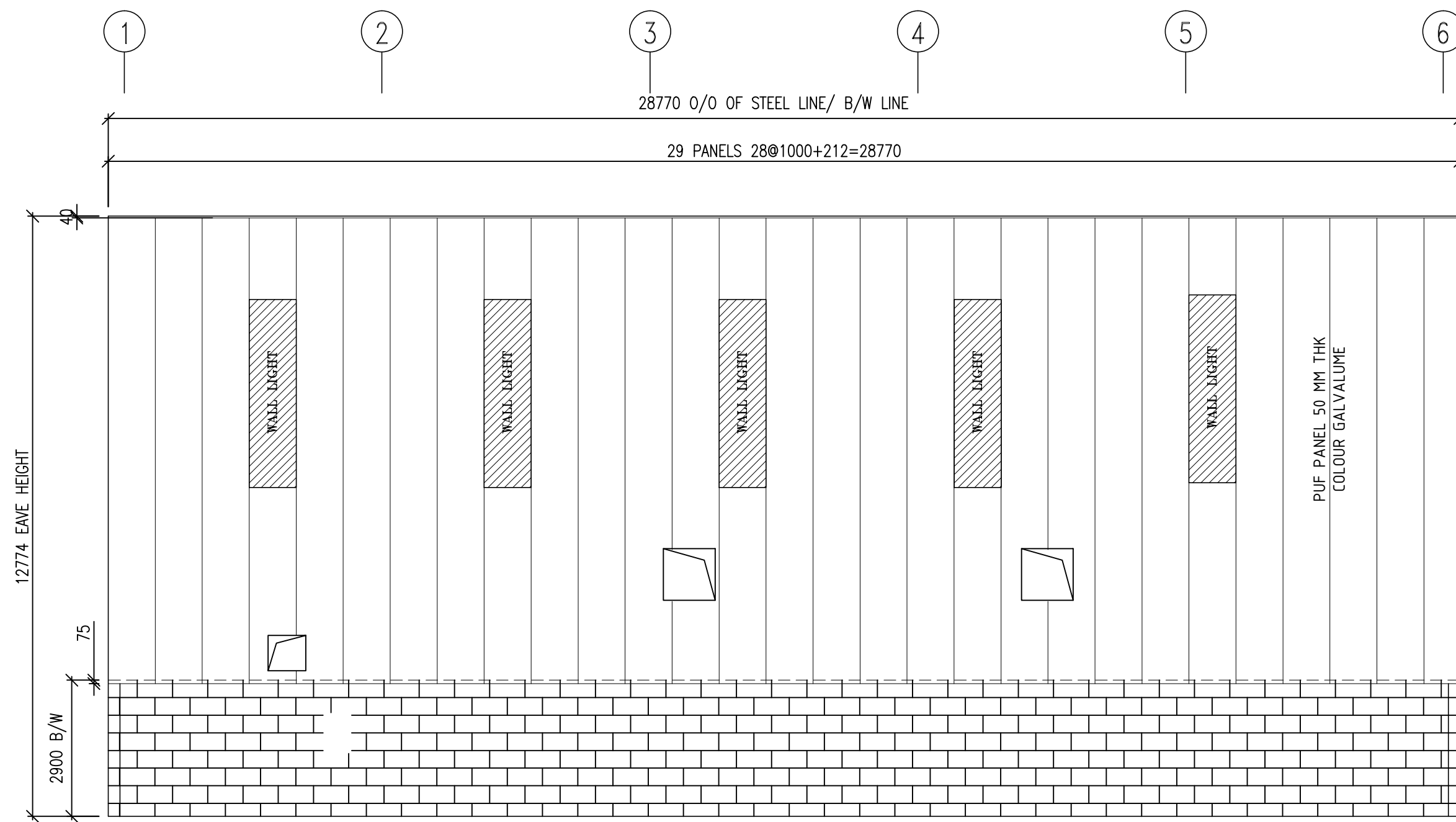


- NOTE:**
- 1) CANOPY CLEAR HEIGHT TO BE CONFIRMED BY CUSTOMER
 - 2) REFER SHEET E-06 FOR MORE DETAILS.
 - 3) WALL LIGHT LOCATION TO BE CONFIRMED BY CUSTOMER

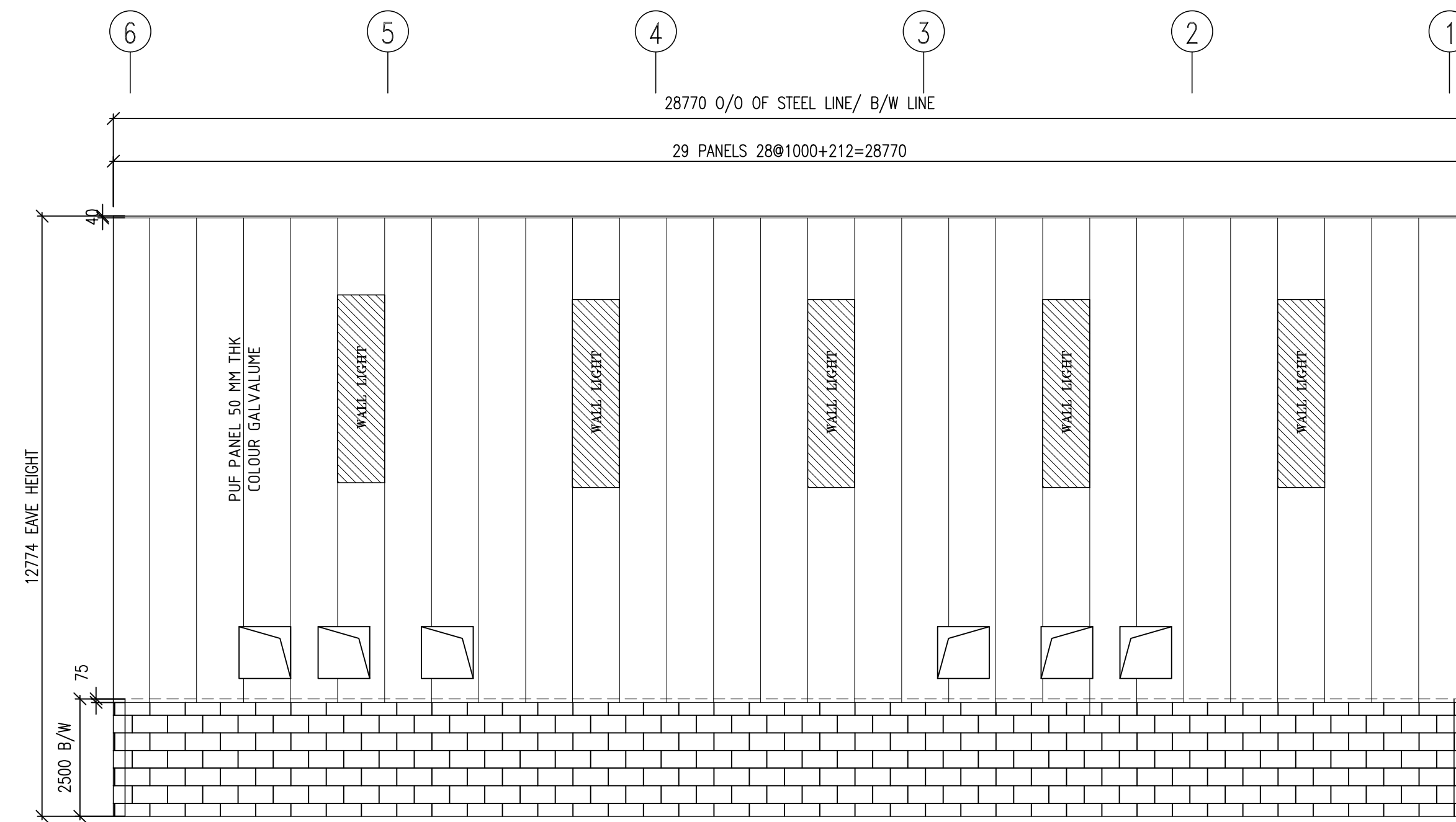


**220KV GIS
Sheet 03**

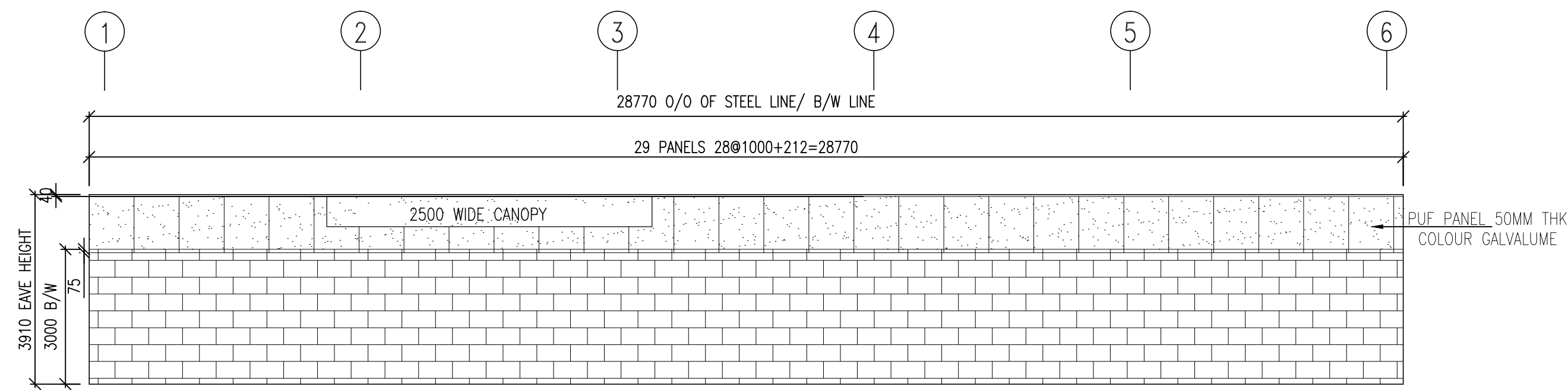
INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY



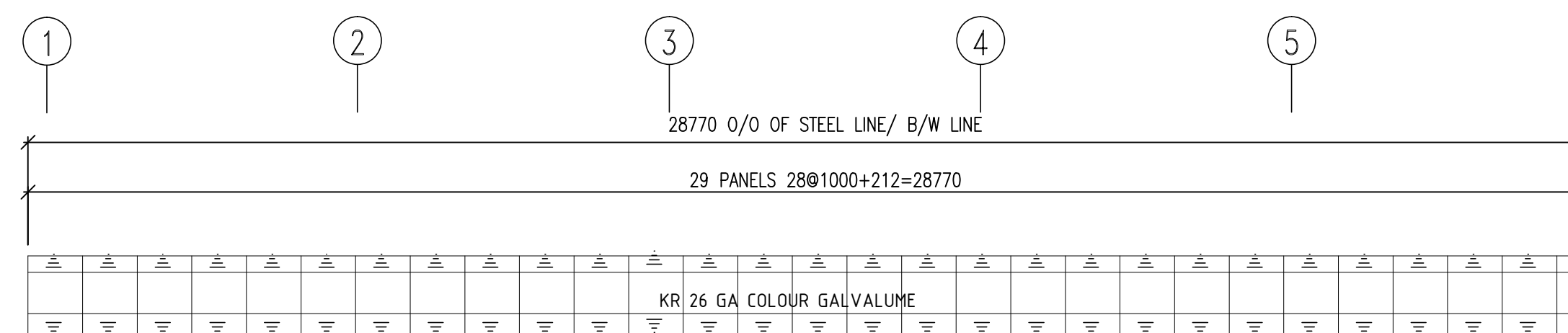
SIDE WALL SHEETING ELEVATION ALONG GRID - C



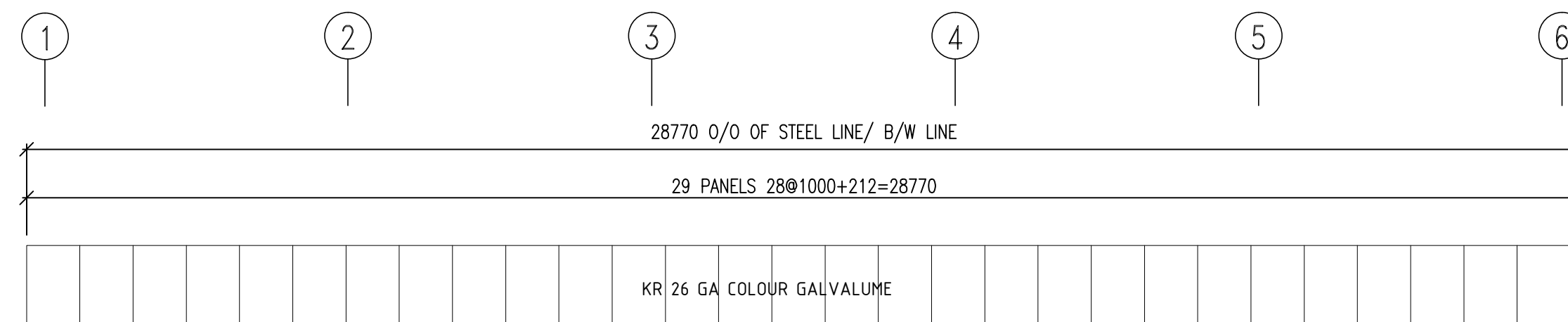
SIDE WALL SHEETING ELEVATION ALONG GRID - A



SIDE WALL SHEETING ELEVATION ALONG GRID - D

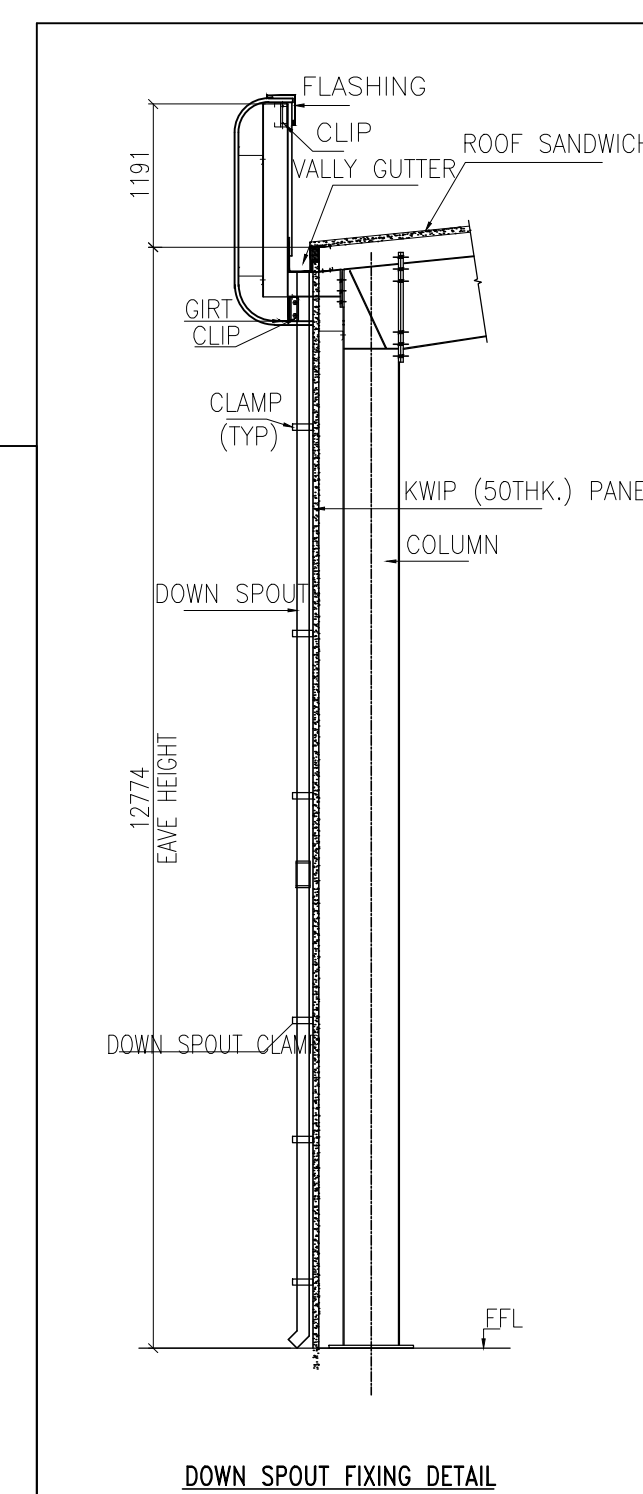
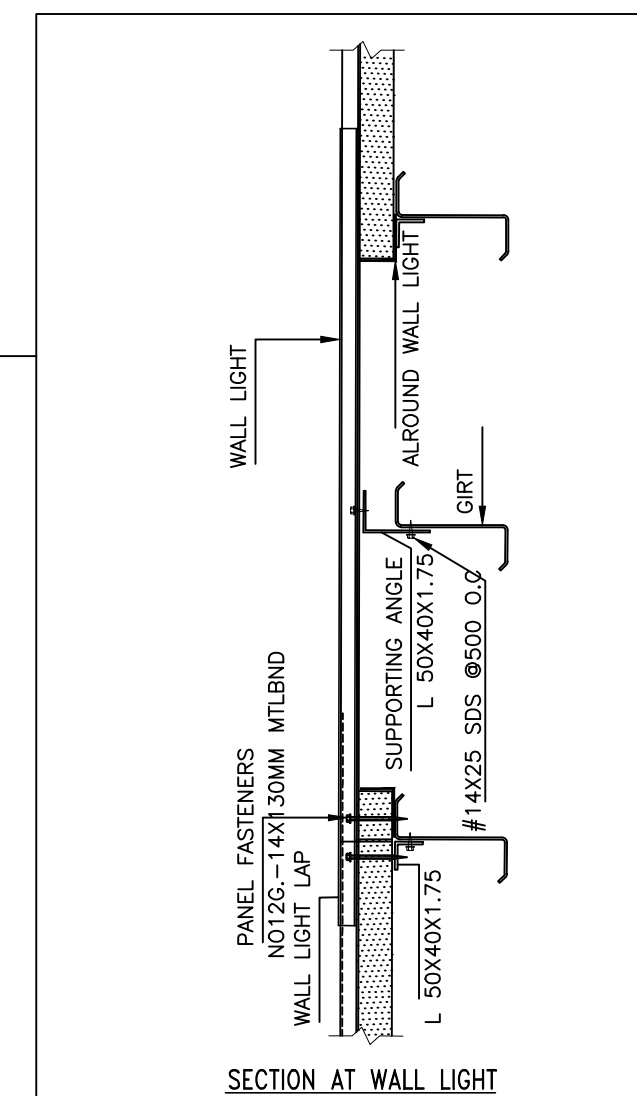
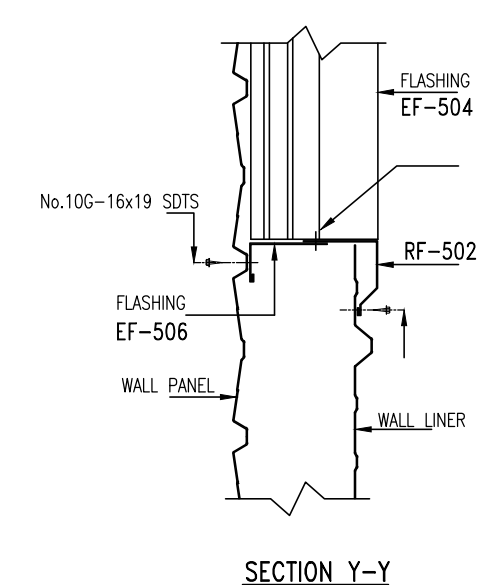
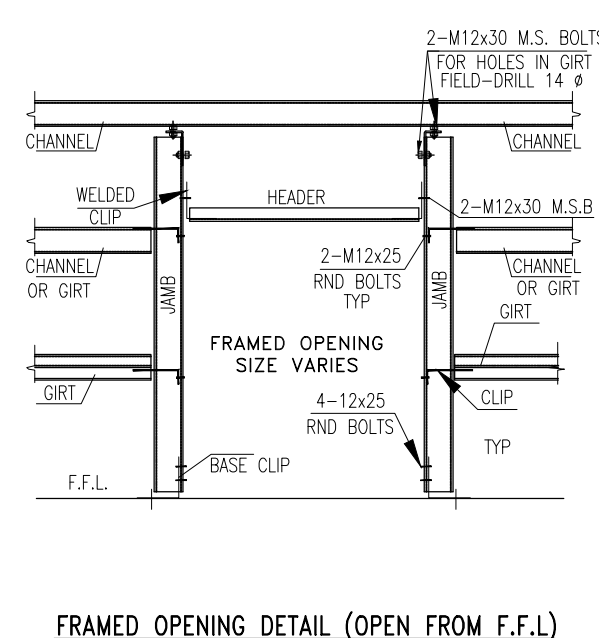
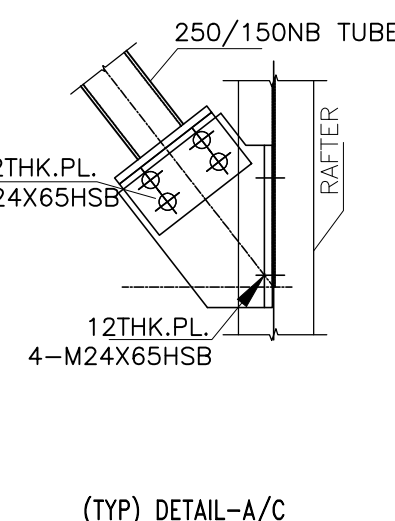
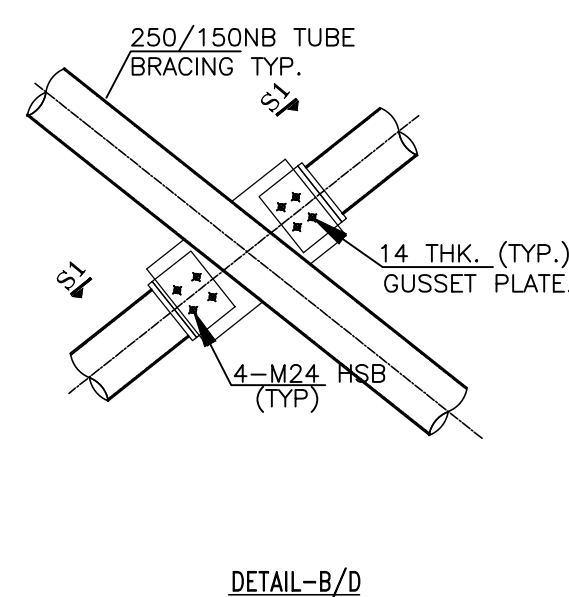
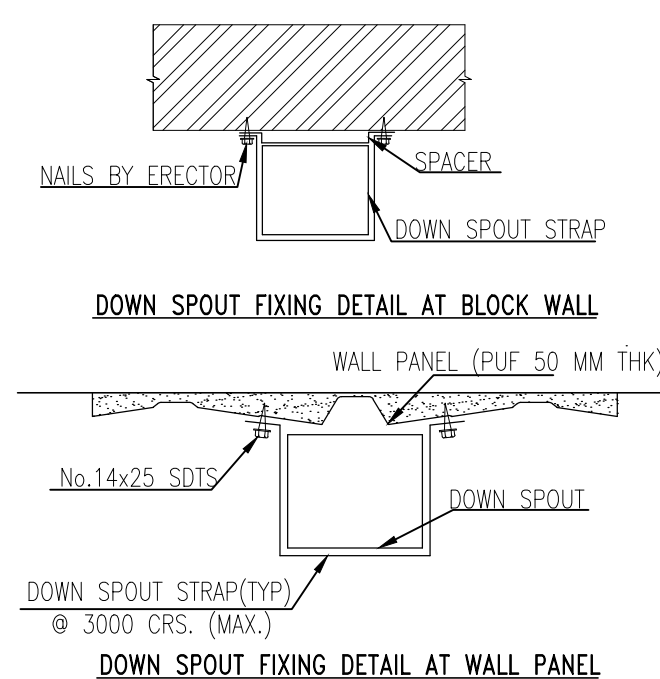


SIDE WALL FASCIA SHEETING ALONG GRID - A (AS DRAWN)
SIDE WALL FASCIA SHEETING ALONG GRID - C (AS MIRROR)



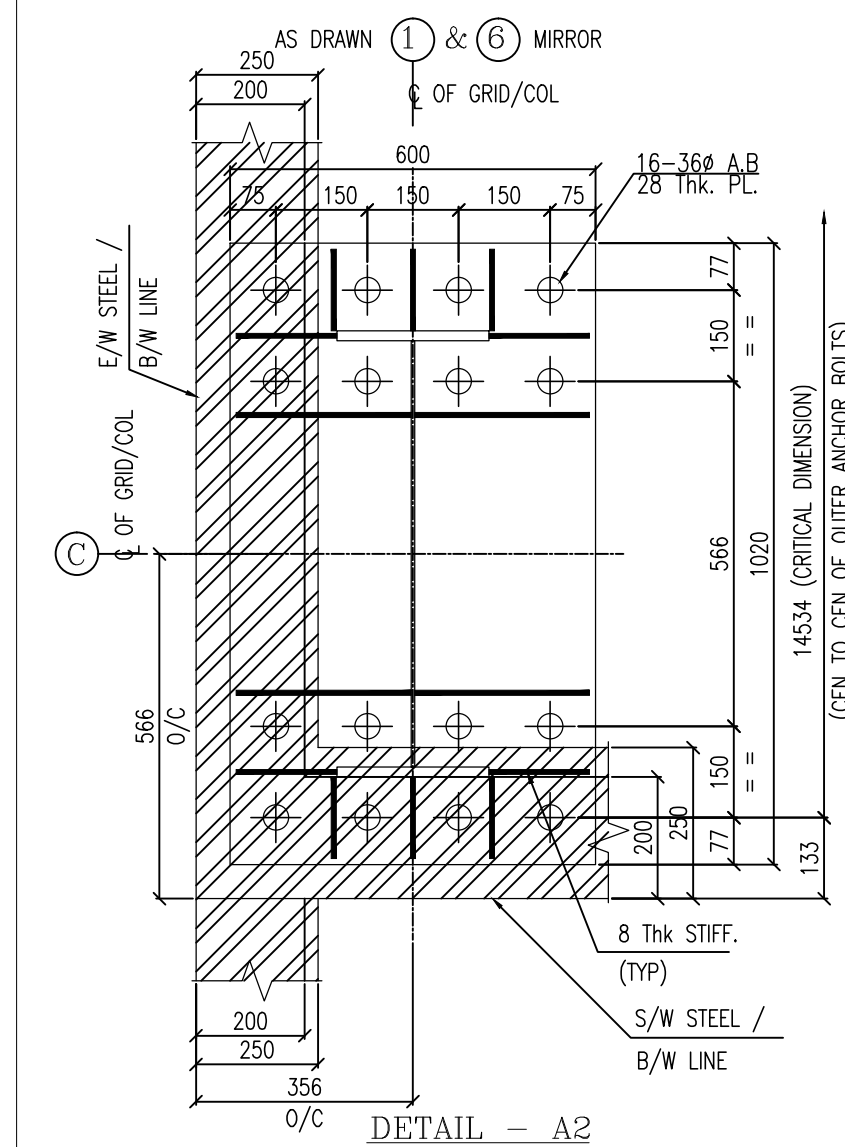
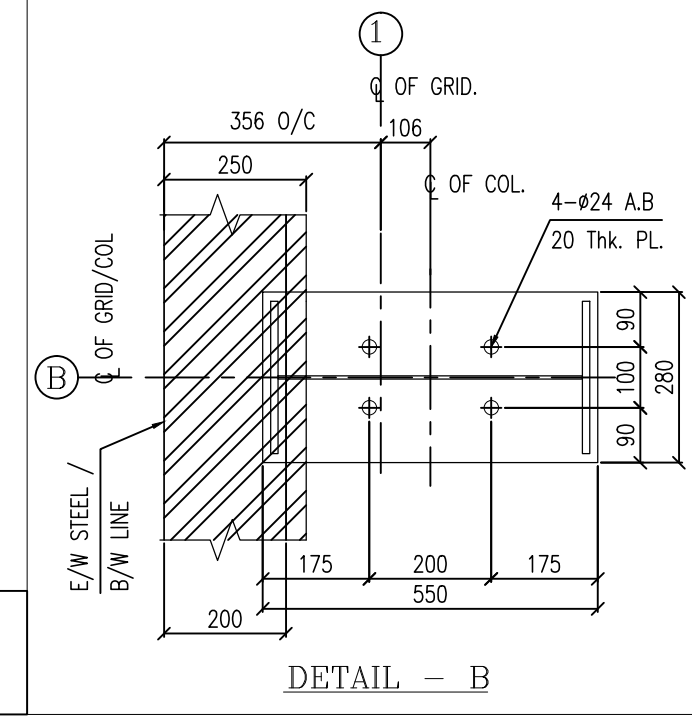
SIDE WALL FASCIA INNER SHEETING ALONG GRID - A (AS DRAWN)
SIDE WALL FASCIA INNER SHEETING ALONG GRID - C (AS MIRROR)

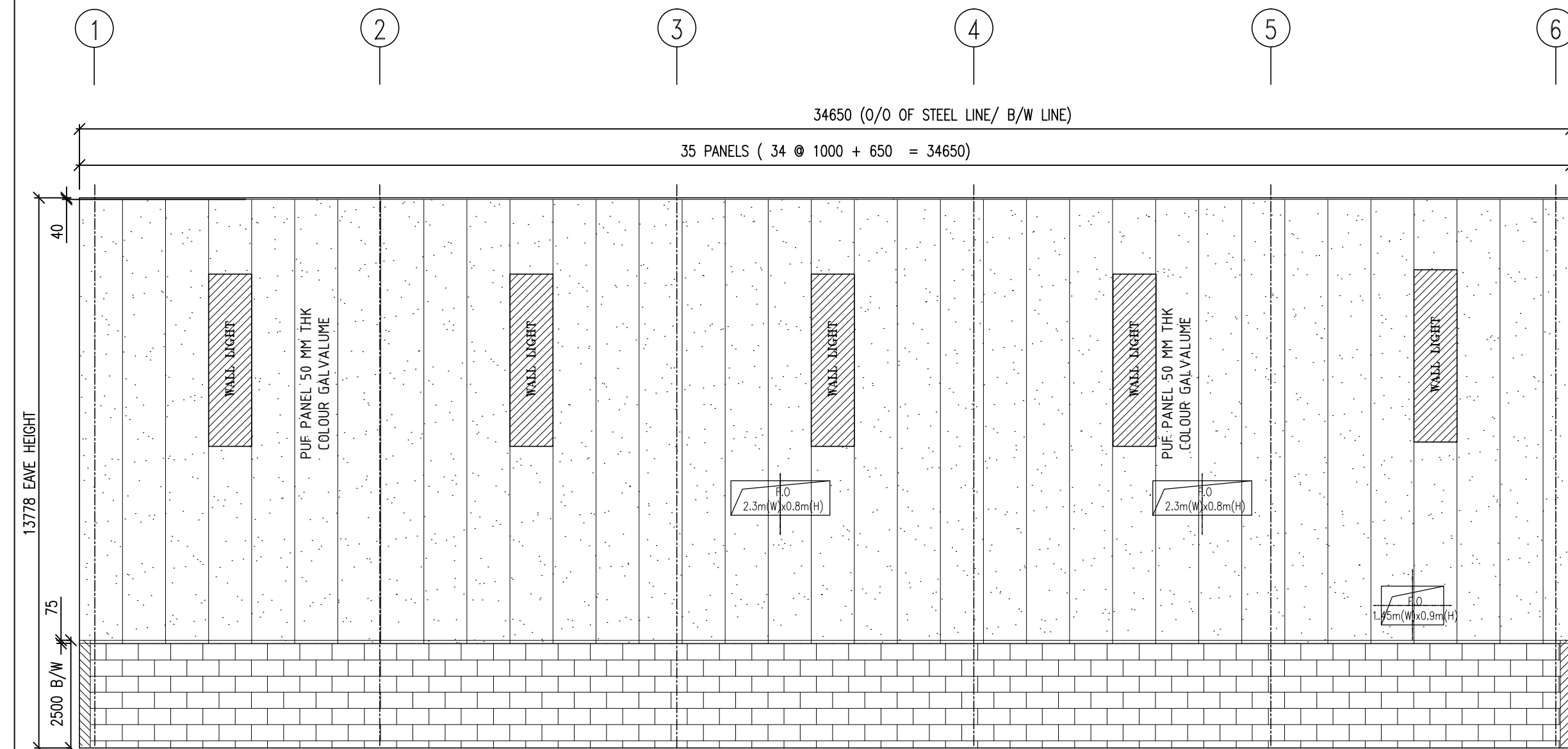
NOTE:
1) CANOPY CLEAR HEIGHT TO BE CONFIRMED BY CUSTOMER
2) WALL LIGHT LOCATION TO BE CONFIRMED BY CUSTOMER



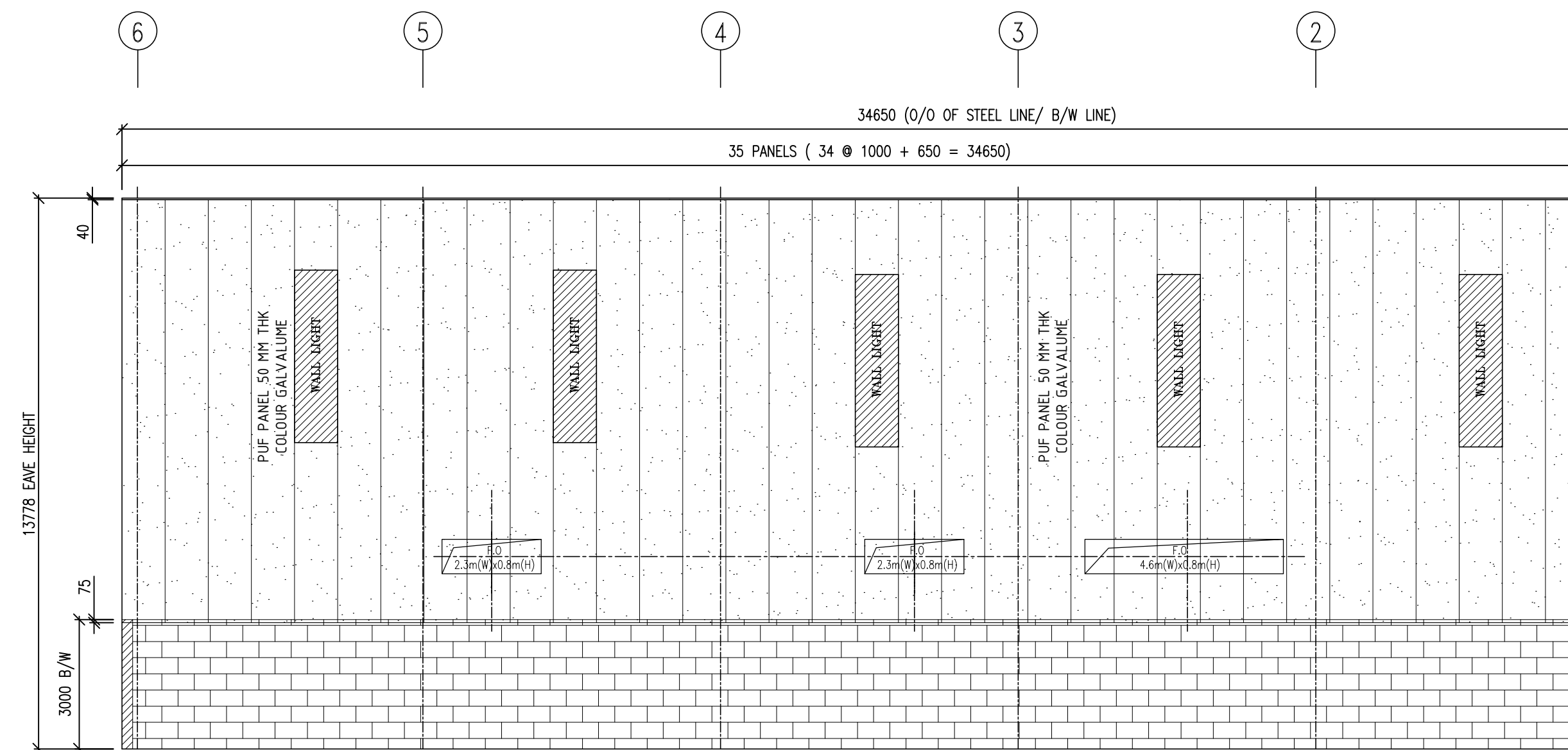
220KV GIS
Sheet 04

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY

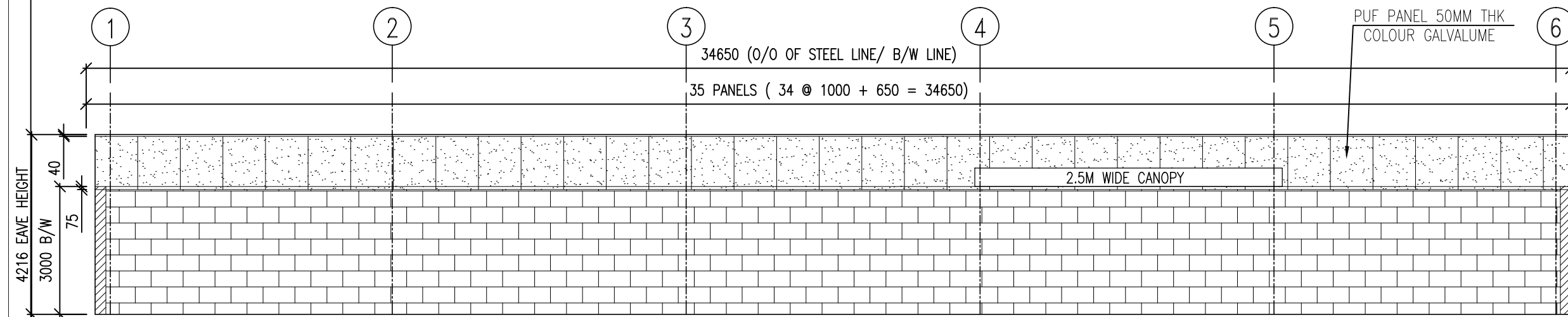




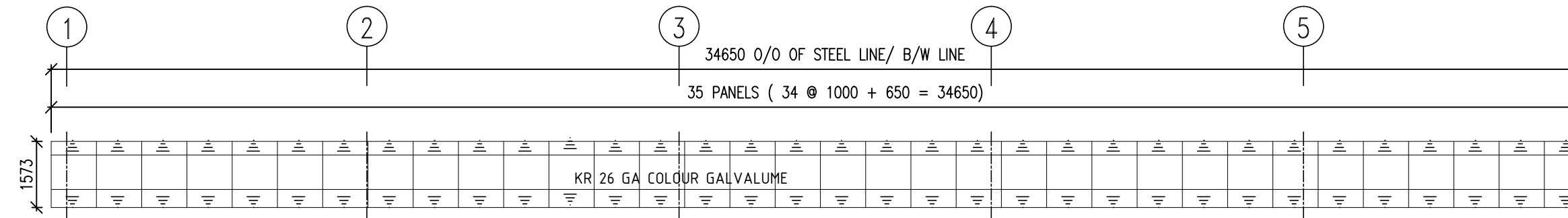
SIDE WALL SHEETING ELEVATION ALONG GRID - C



SIDE WALL SHEETING ELEVATION ALONG GRID - A

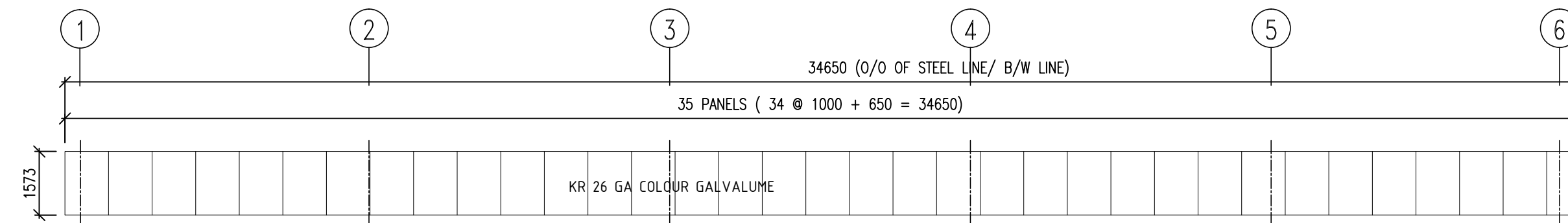


SIDE WALL SHEETING ELEVATION ALONG GRID - D



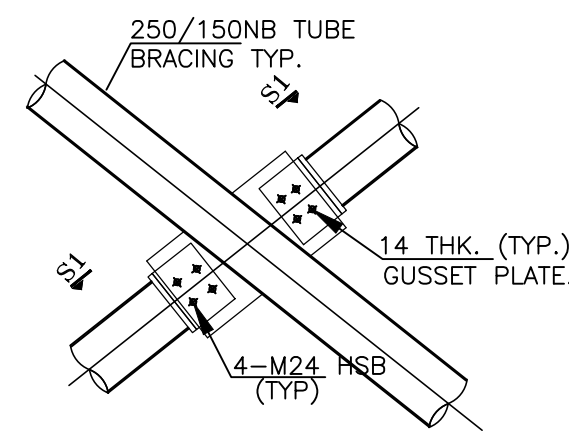
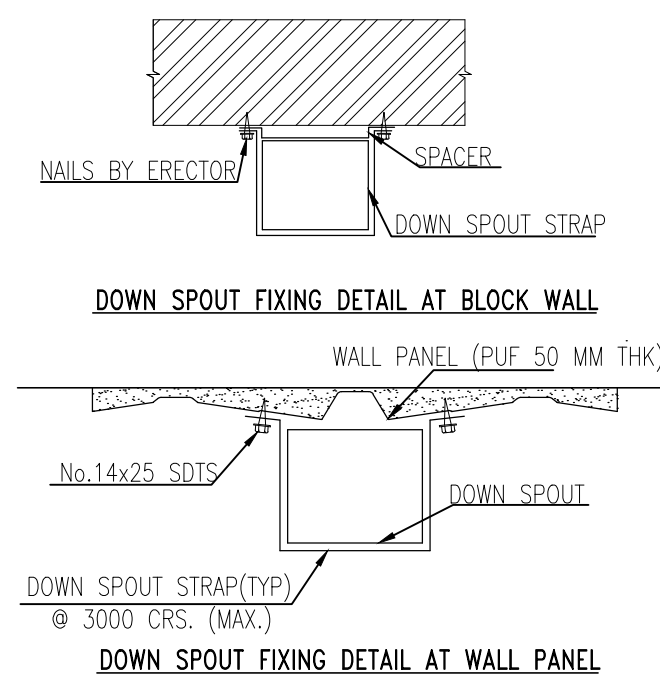
SIDE WALL FASCIA SHEETING ALONG GRID - A (AS DRAWN)

SIDE WALL FASCIA SHEETING ALONG GRID - C (AS MIRROR)

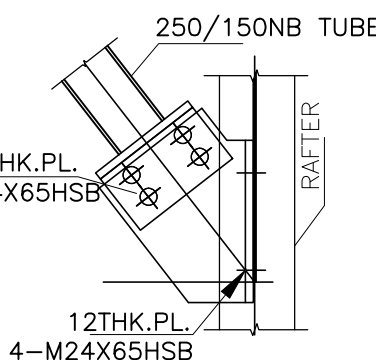


SIDE WALL FASCIA INNER SHEETING ALONG GRID - A (AS DRAWN)

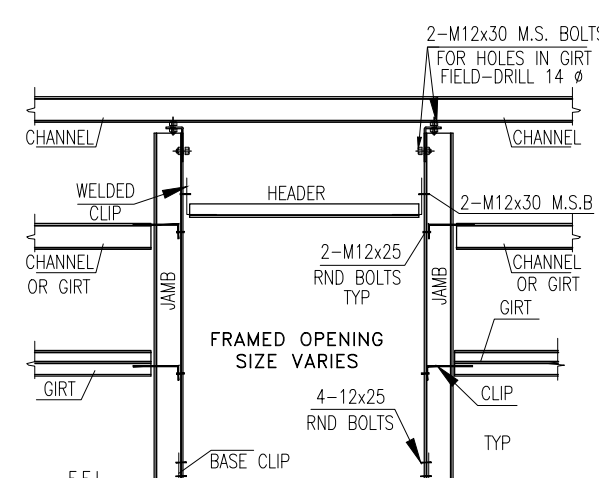
SIDE WALL FASCIA INNER SHEETING ALONG GRID - C (AS MIRROR)



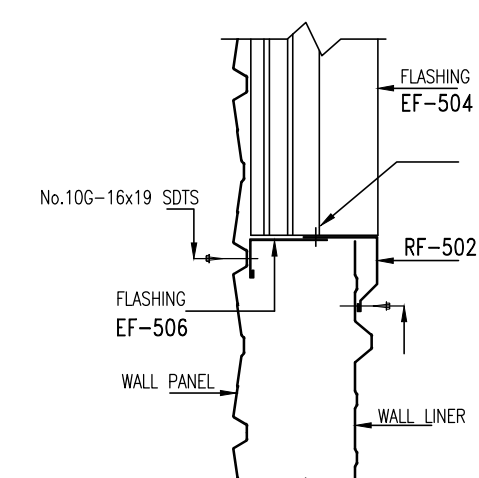
DETAIL-B/D



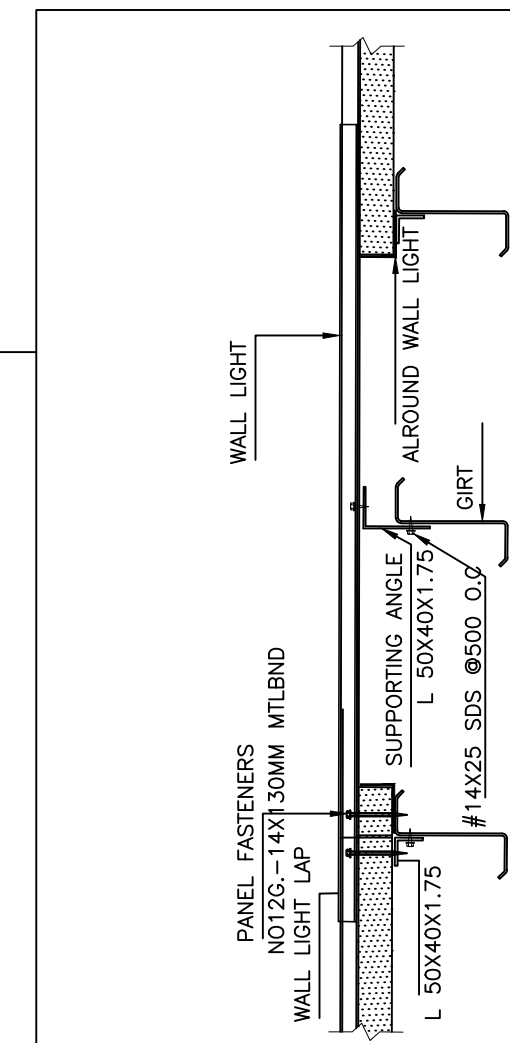
(TYP) DETAIL-A/C



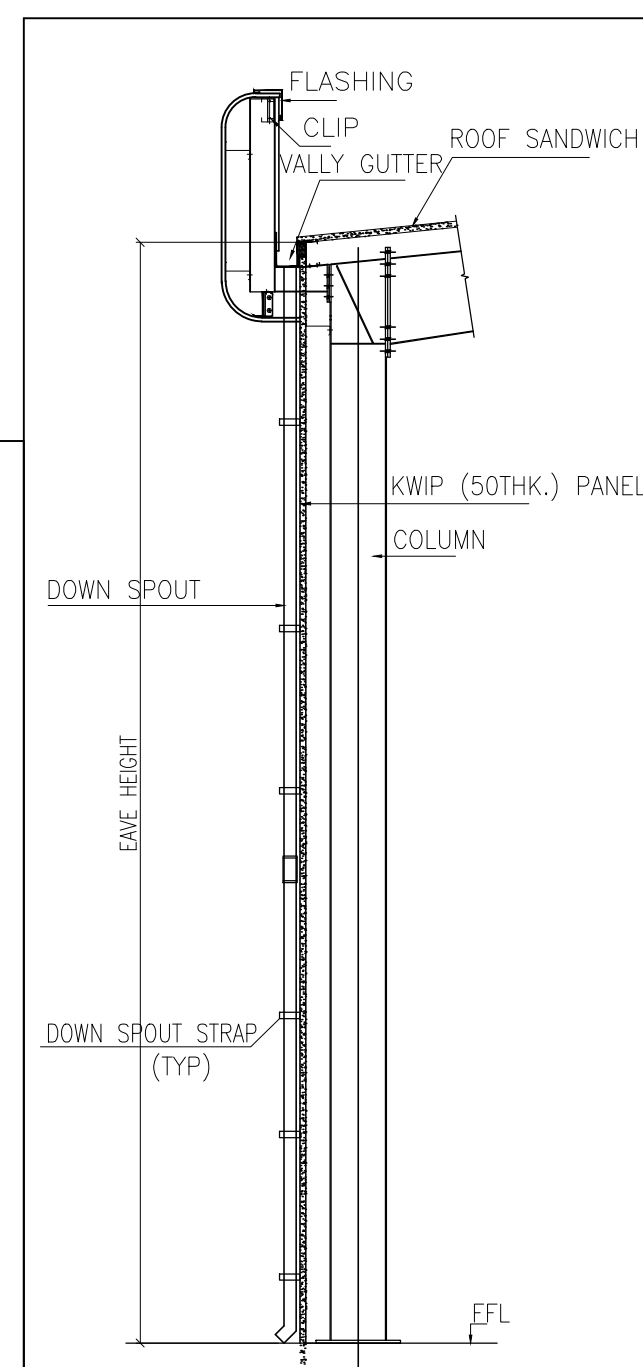
FRAMED OPENING DETAIL (OPEN FROM F.F.L.)



SECTION Y-Y



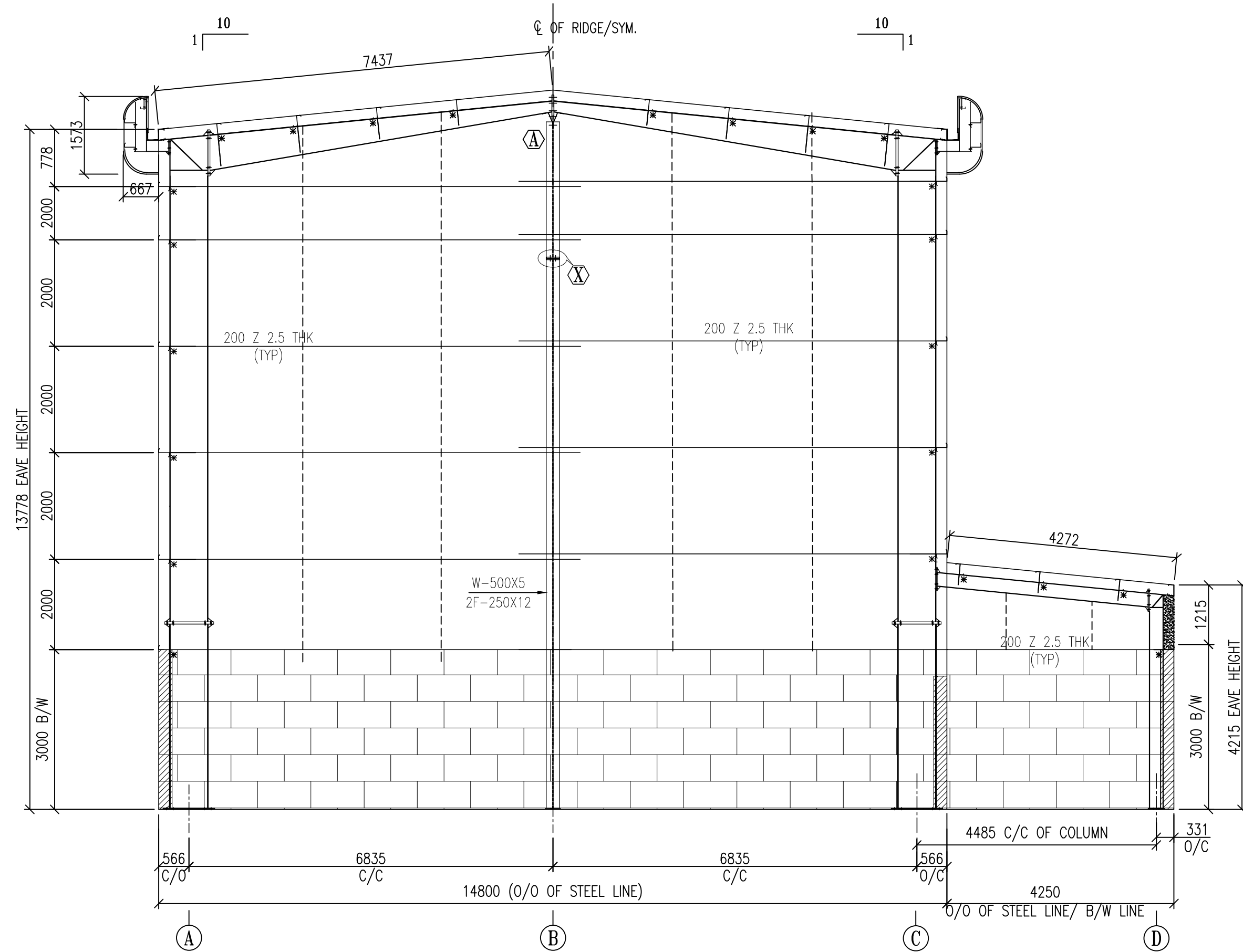
SECTION AT WALL LIGHT



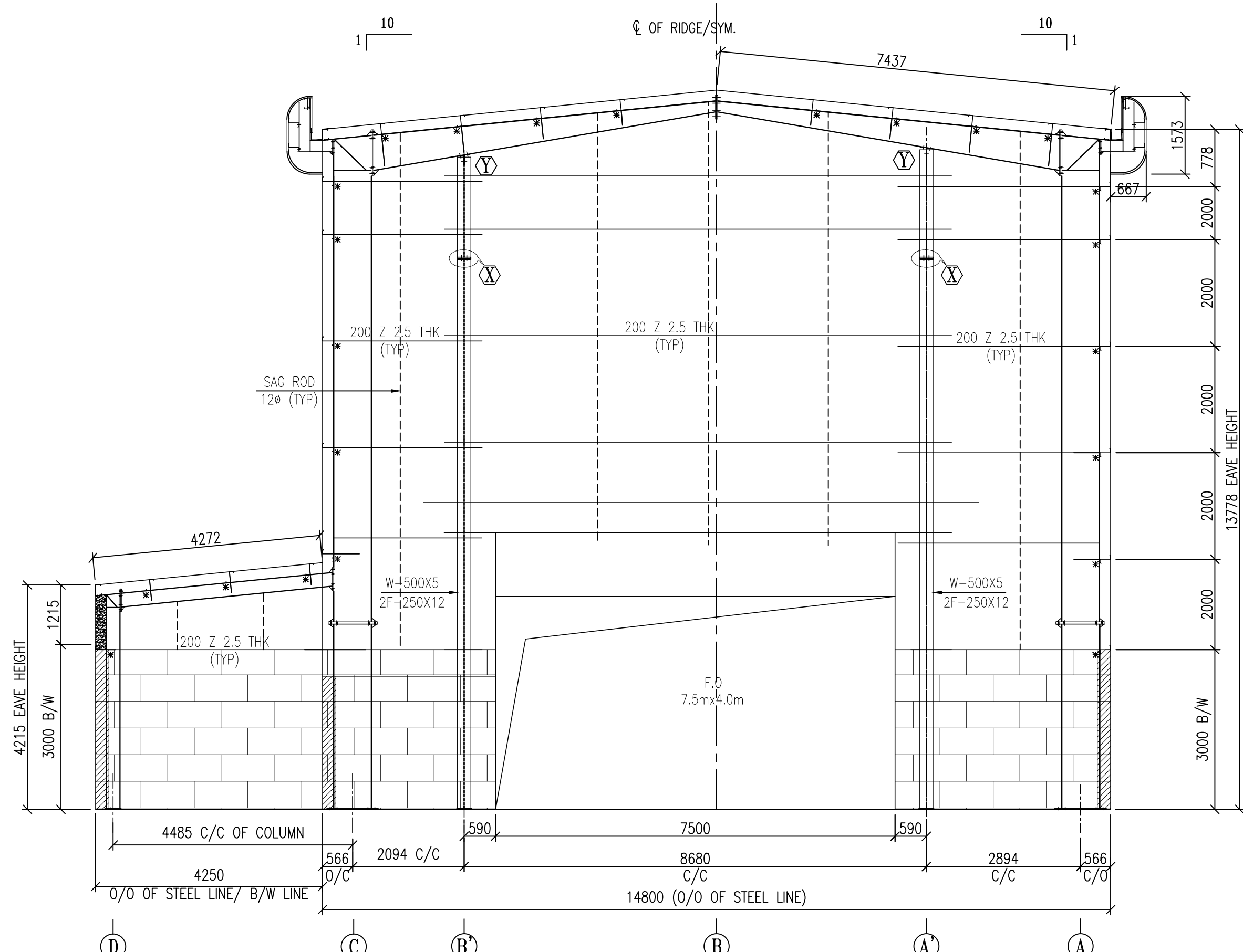
DOWN SPOUT FIXING DETAIL

400KV GIS
Sheet 02

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY



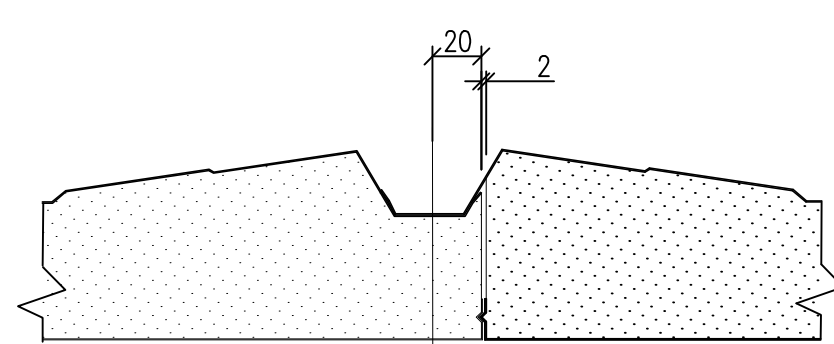
END WALL FRAMING ALONG GRID - 1



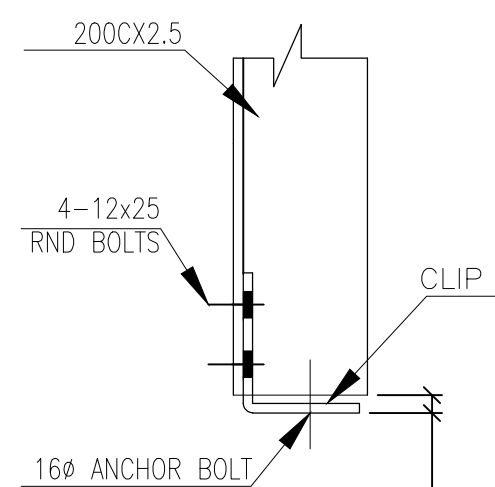
END WALL FRAMING ALONG GRID - 6

NOTE:-

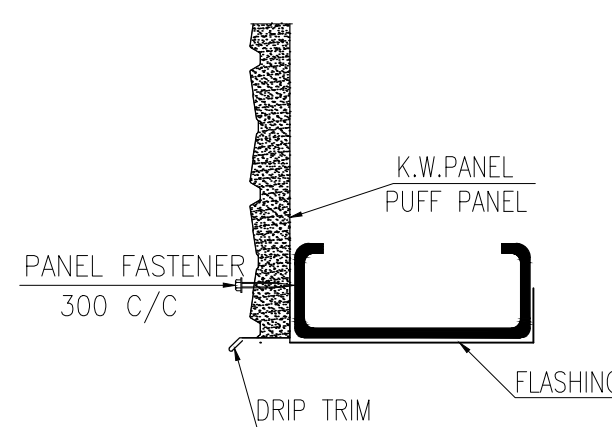
FOR MORE DETAILS REFER DWG E-07



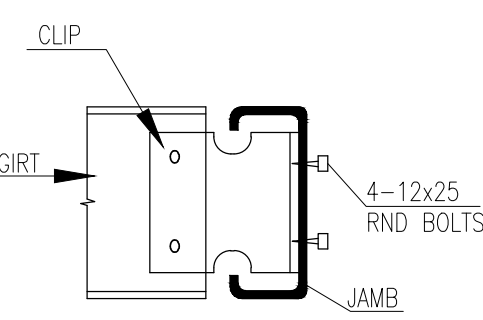
PUFF PANELSIDE LAP DETAIL



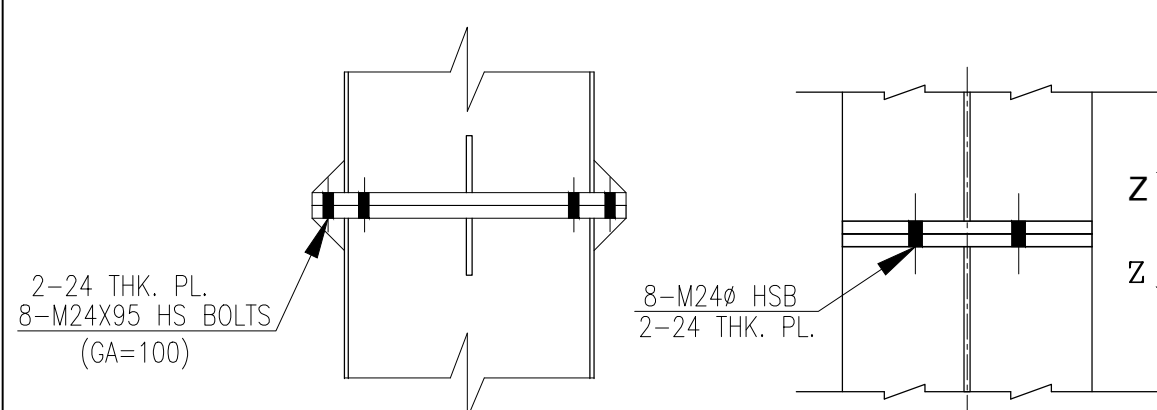
BASE CLIP DETAIL



SECTION C-C

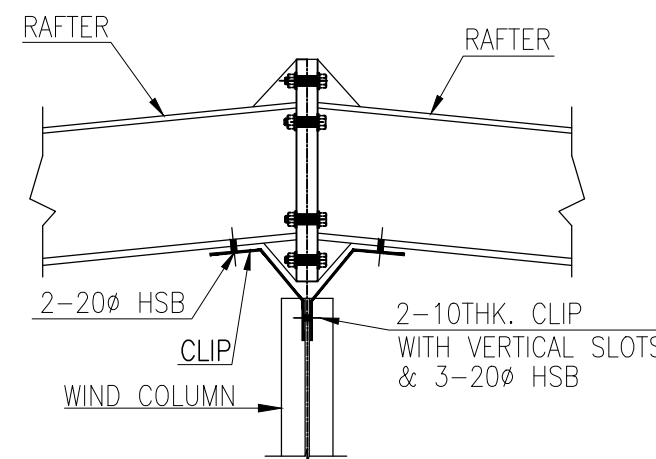


JAMB TO GIRT CONN.

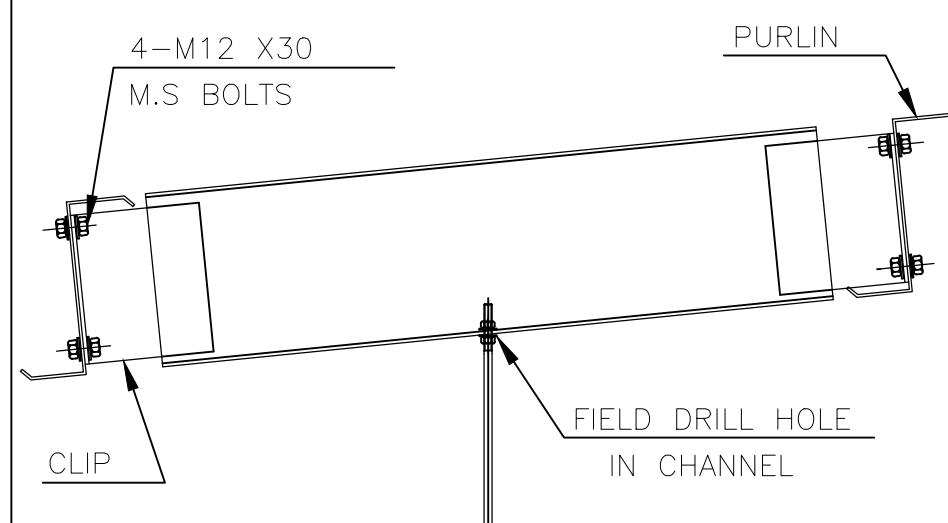


SECTION Z-Z

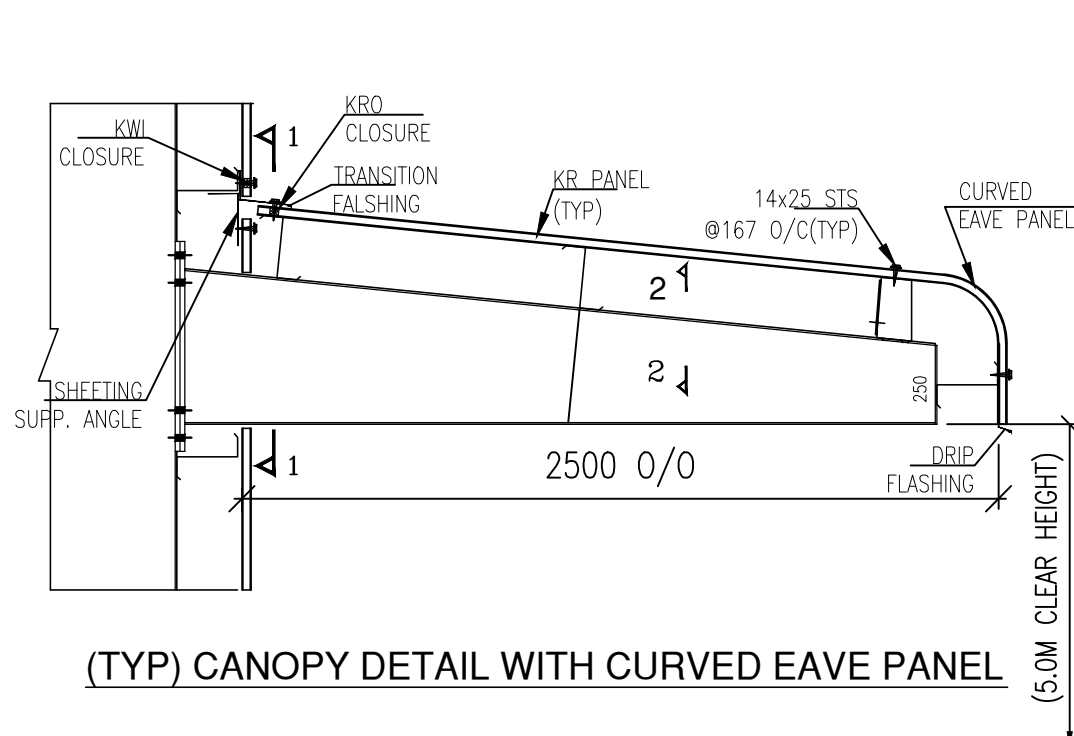
DETAIL-X



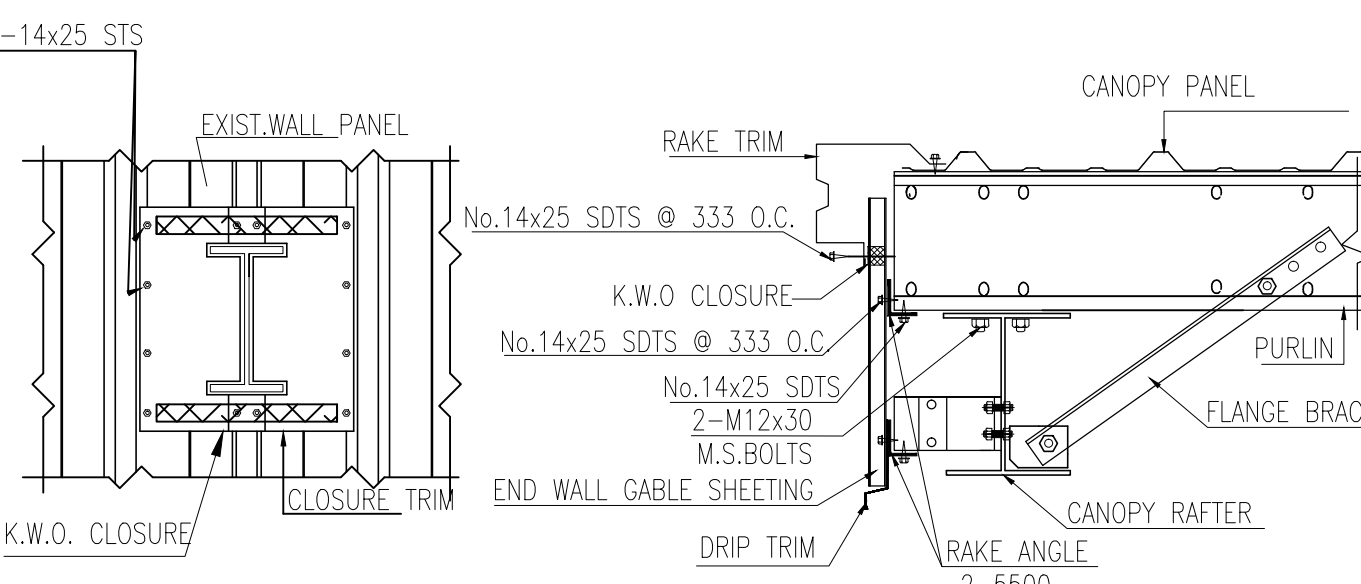
DETAIL-A



SAG ROD DETAIL

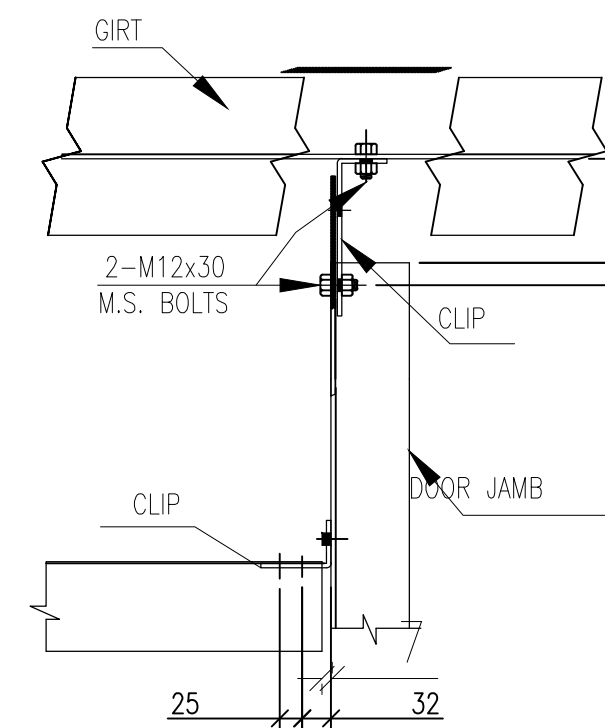


(TYP) CANOPY DETAIL WITH CURVED EAVE PANEL



SECTION 1-1

VIEW 2-2



FRAMED OPENING CONNECTION DETAIL

400KV GIS
Sheet 03

INDICATIVE DRAWING FOR TENDER
PURPOSE ONLY