

SOUTHERN RAILWAY

Computer No: 505734 **File No:** [SR-HQ0ENGG\(ENGG\)/189/2024-O/o.ABE/HQRS/SR](#) **Subject:** W.185/I/3/BLDG/TYPEPLAN

Headquarters office,
Works Branch,
Chennai-3.
Date: 27-03-2025

Sr.DEN/Co-ord/MAS, SA, PGT, TVC, TPJ & MDU

Sub : Issue of structural drawing for type plan for Lift well of 13 persons capacity – reg.

This office has prepared the structural drawing bearing no. CBE/TP/288/2025 for type plan of lift well with SHS columns /ties and approved by Competent Authority. This drawing is suitable for maximum of 13 person capacity and adoptable for soil having SBC value of above 8 t/sqm. A copy of the approved drawing is attached here with please.

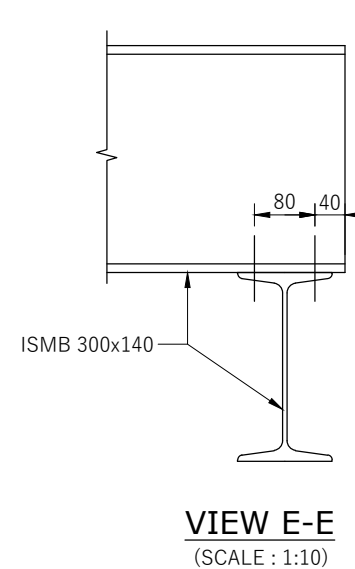
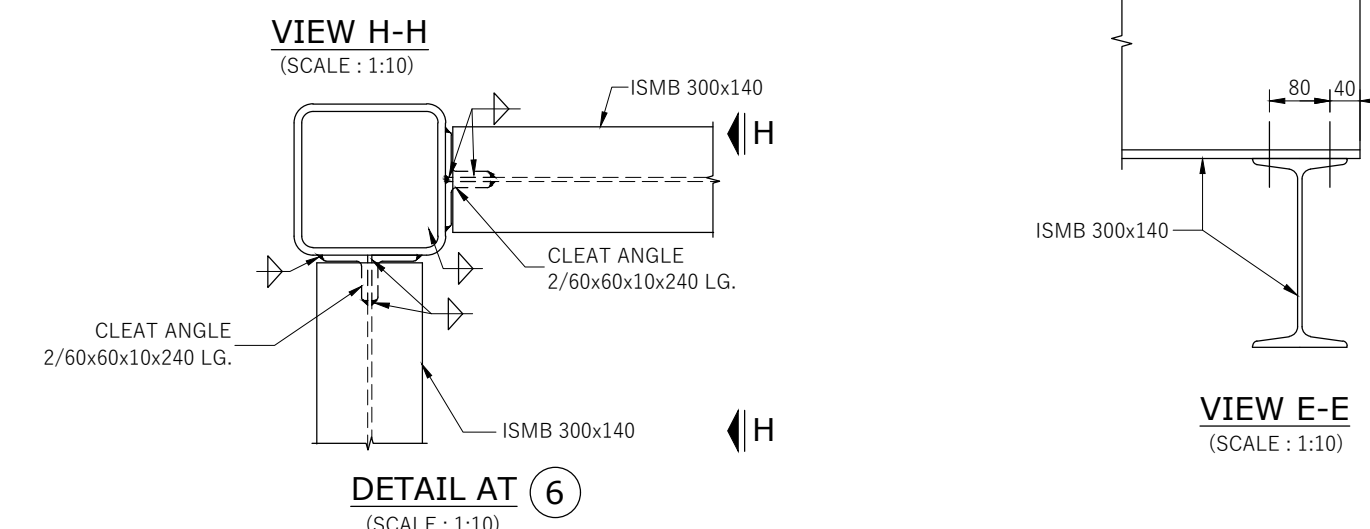
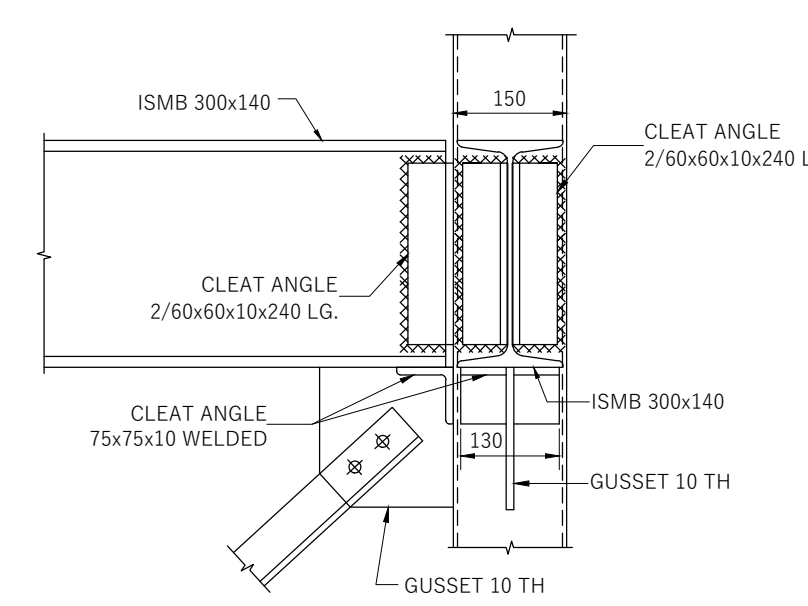
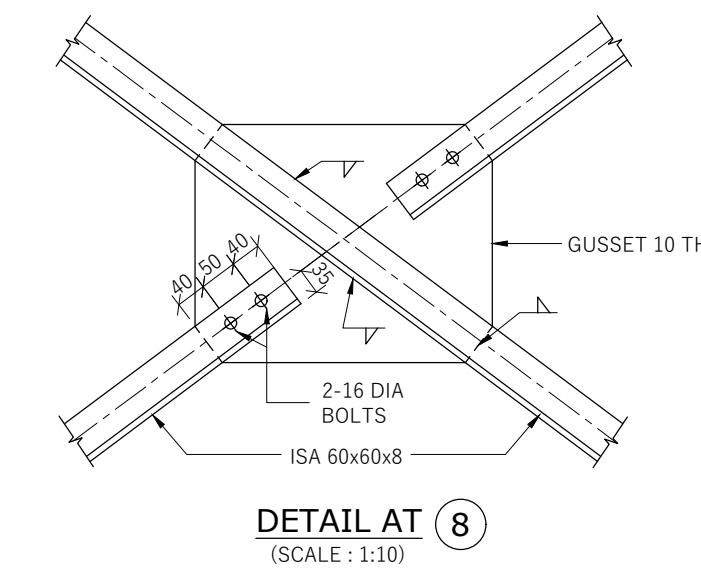
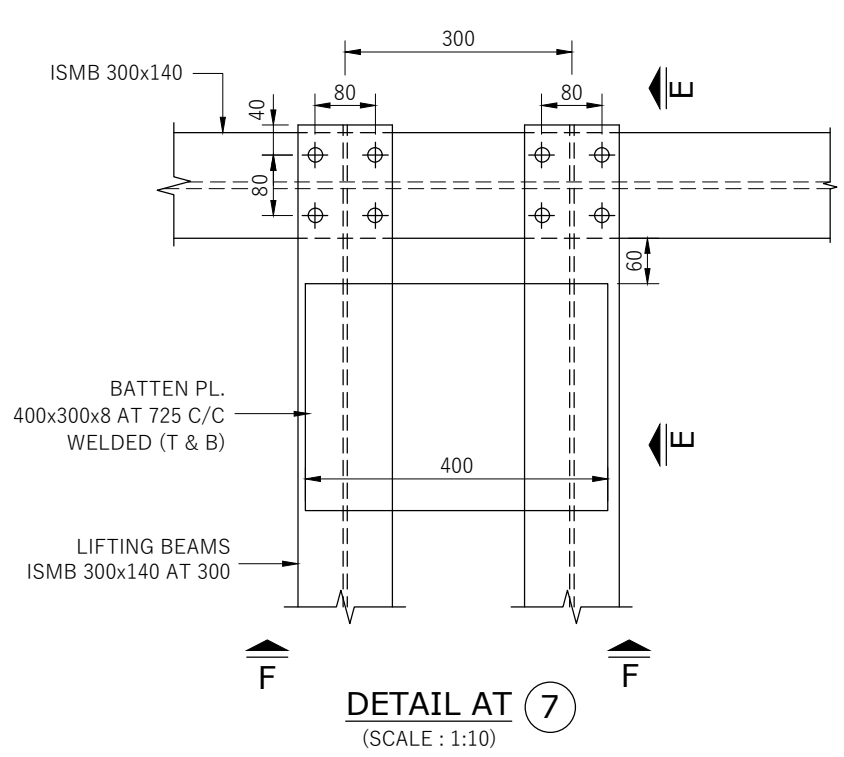
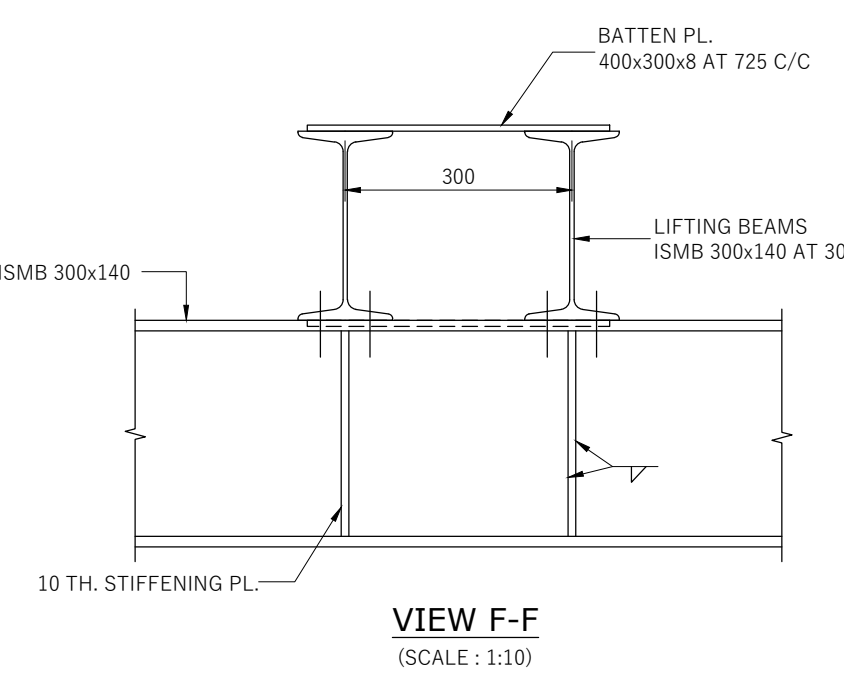
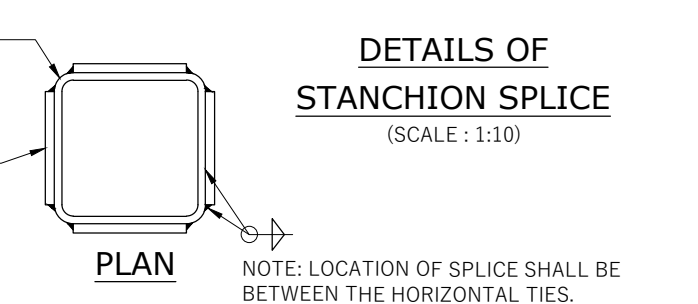
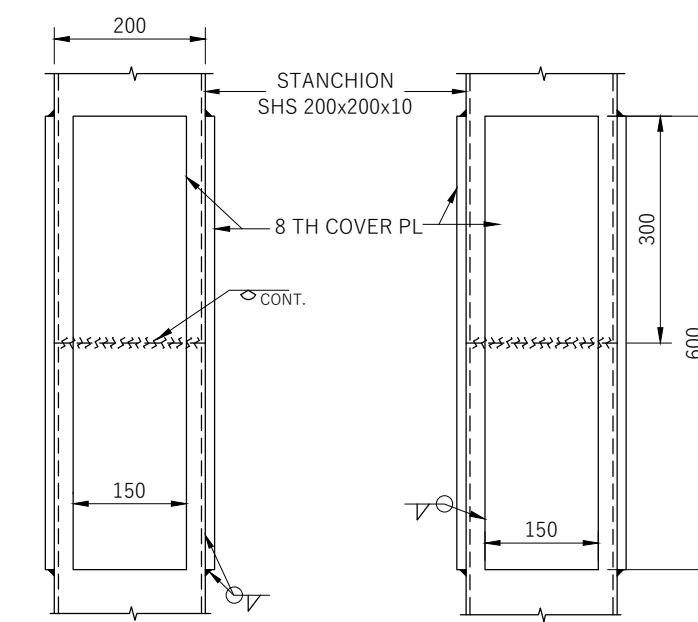
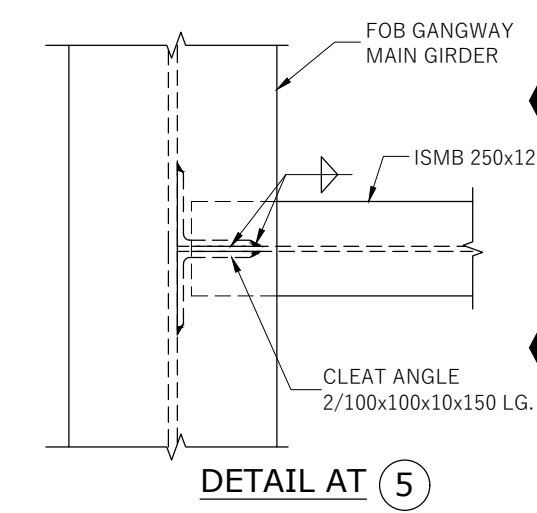
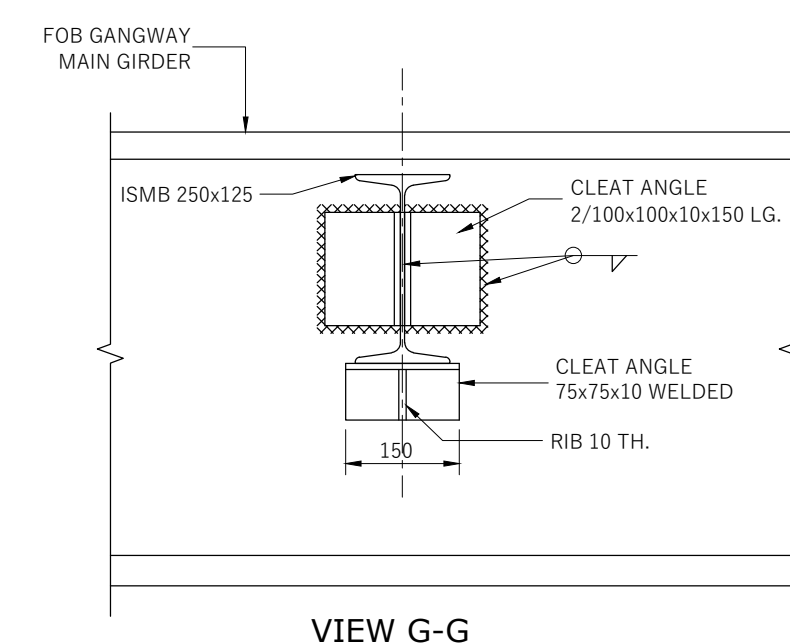
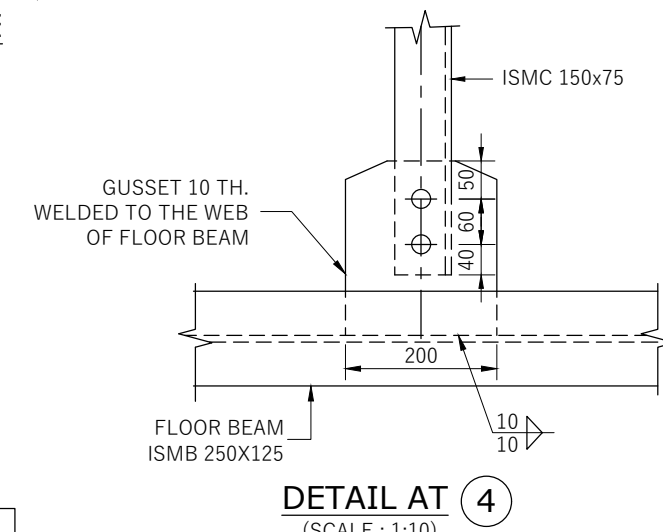
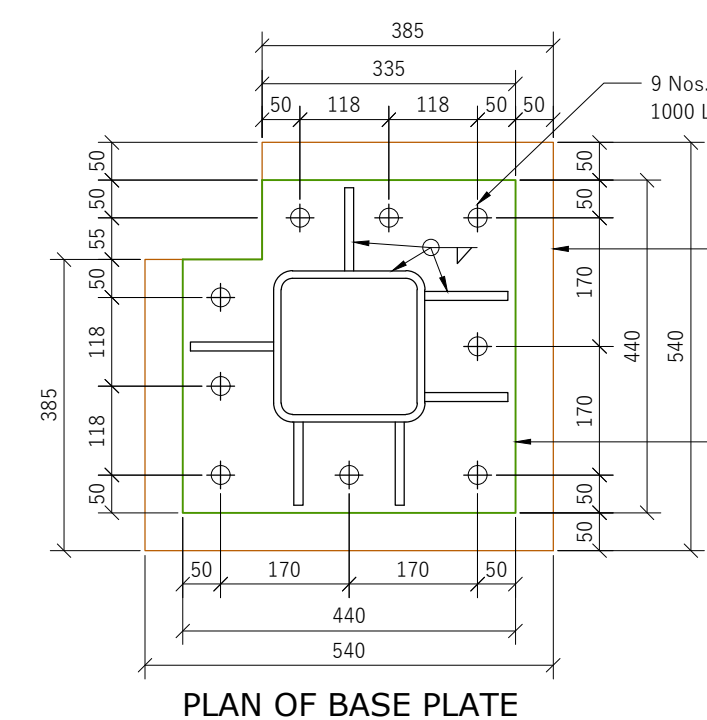
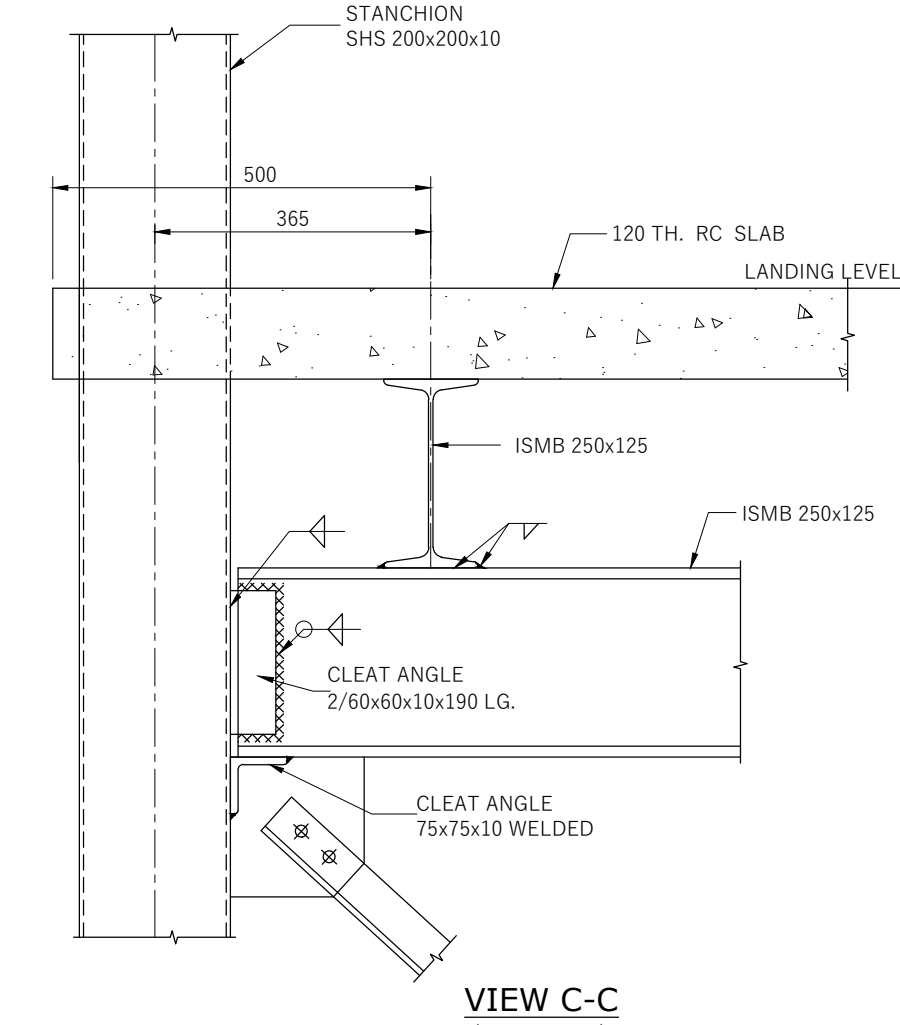
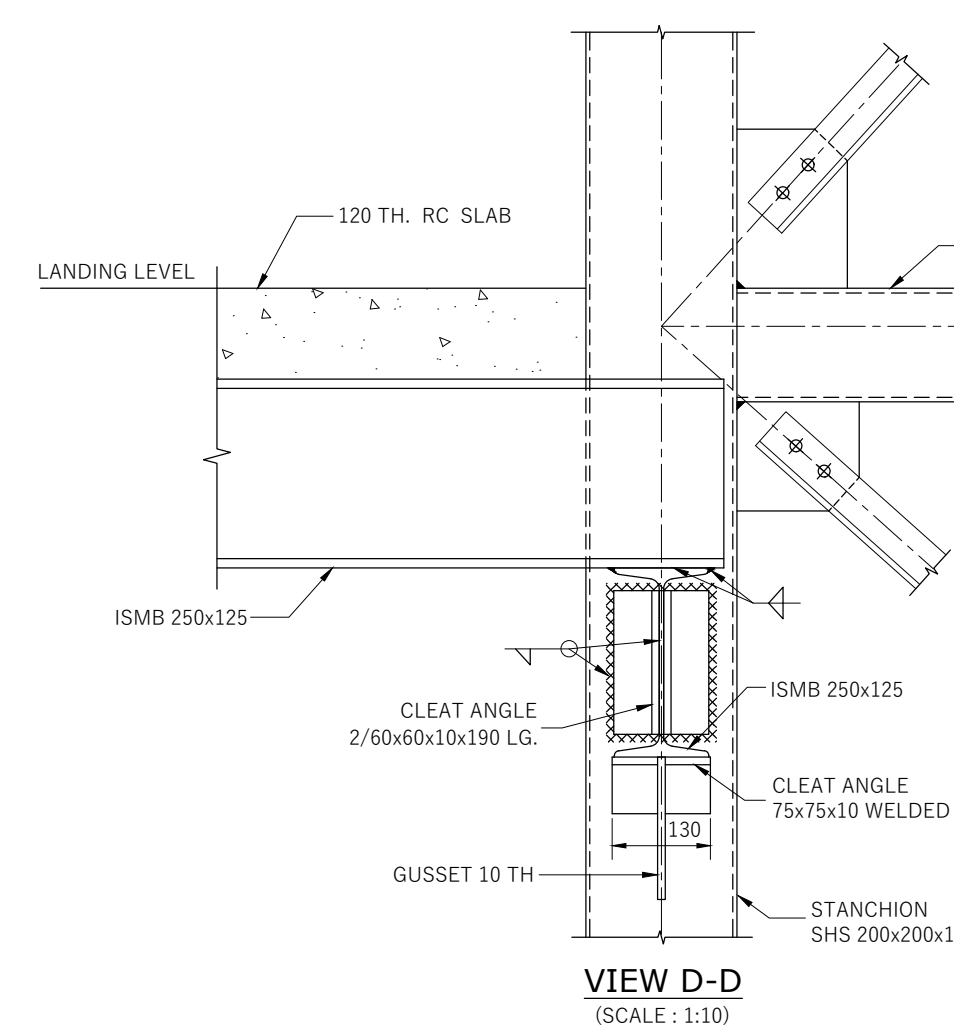
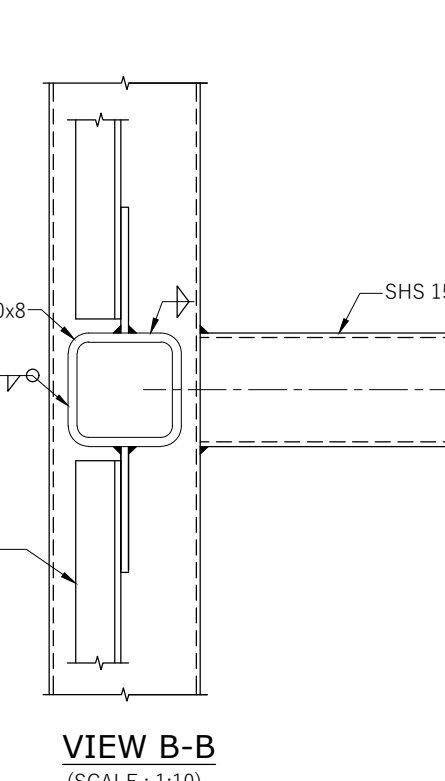
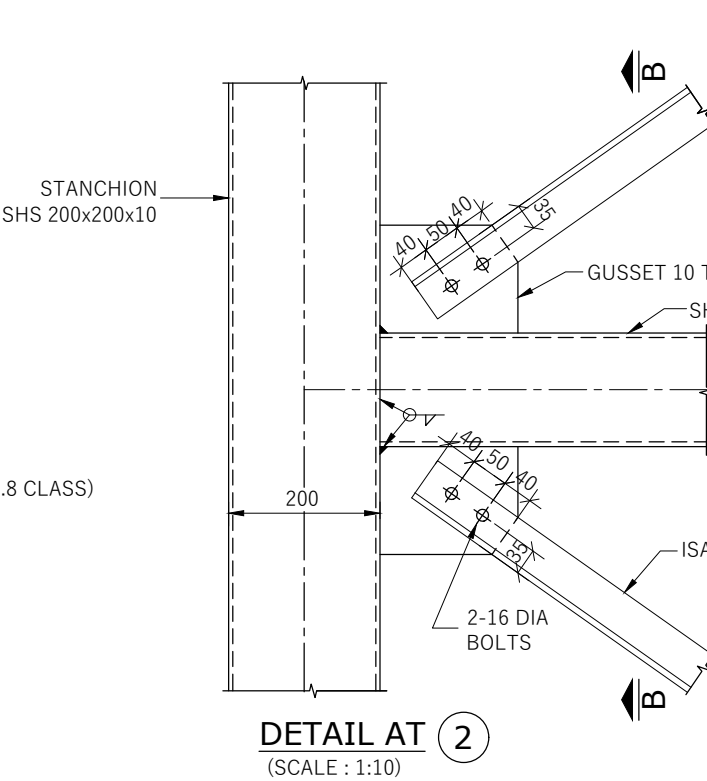
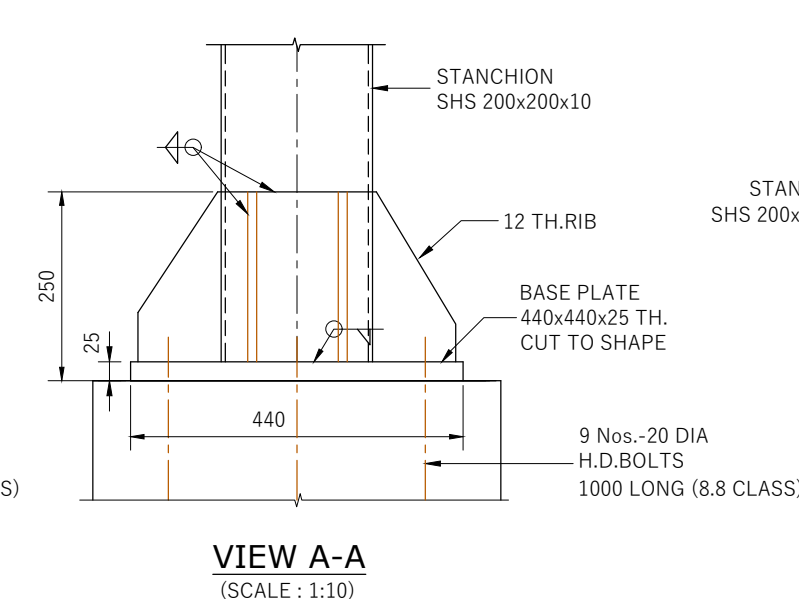
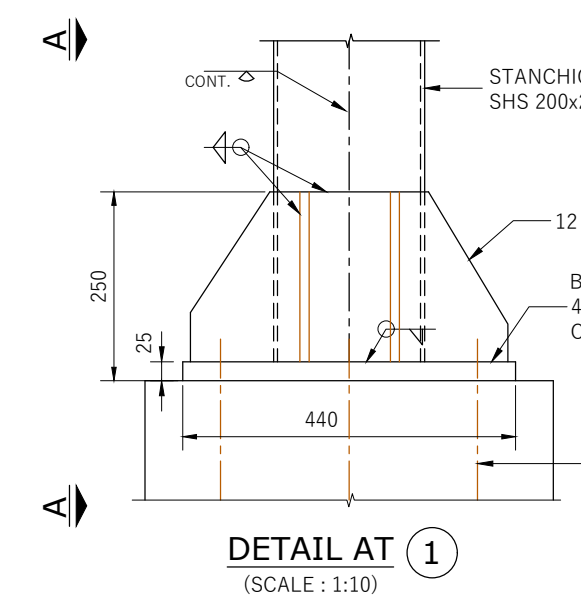
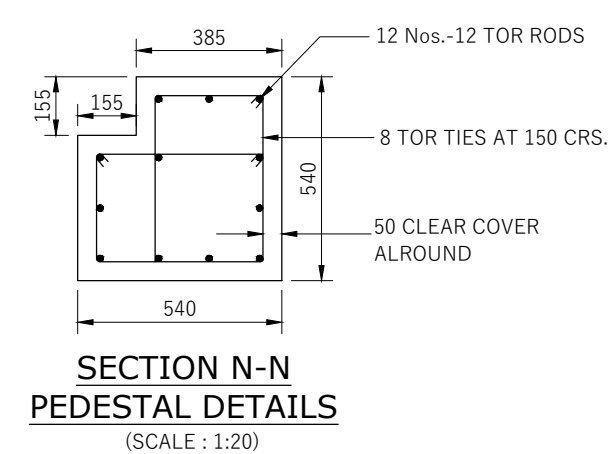
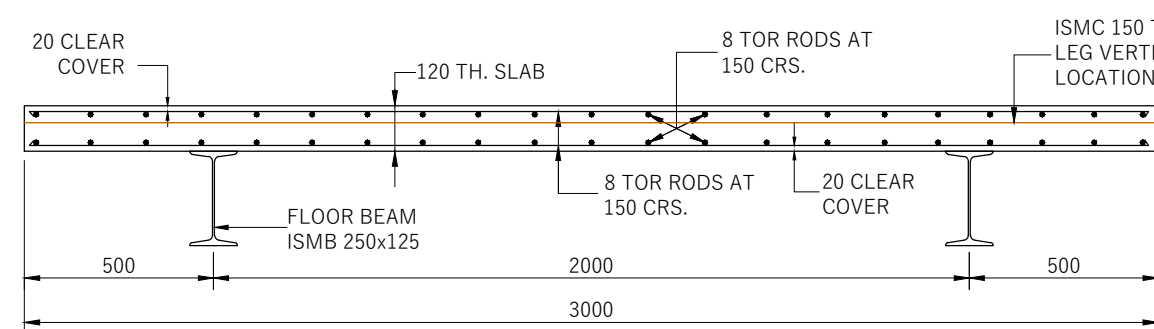
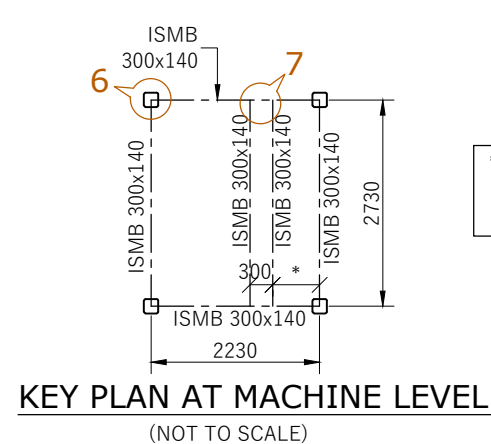
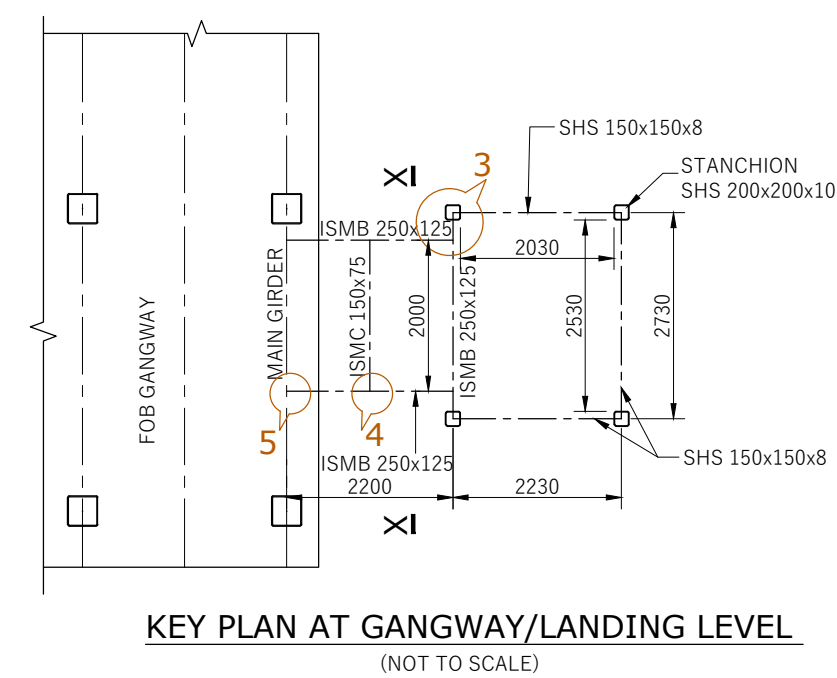
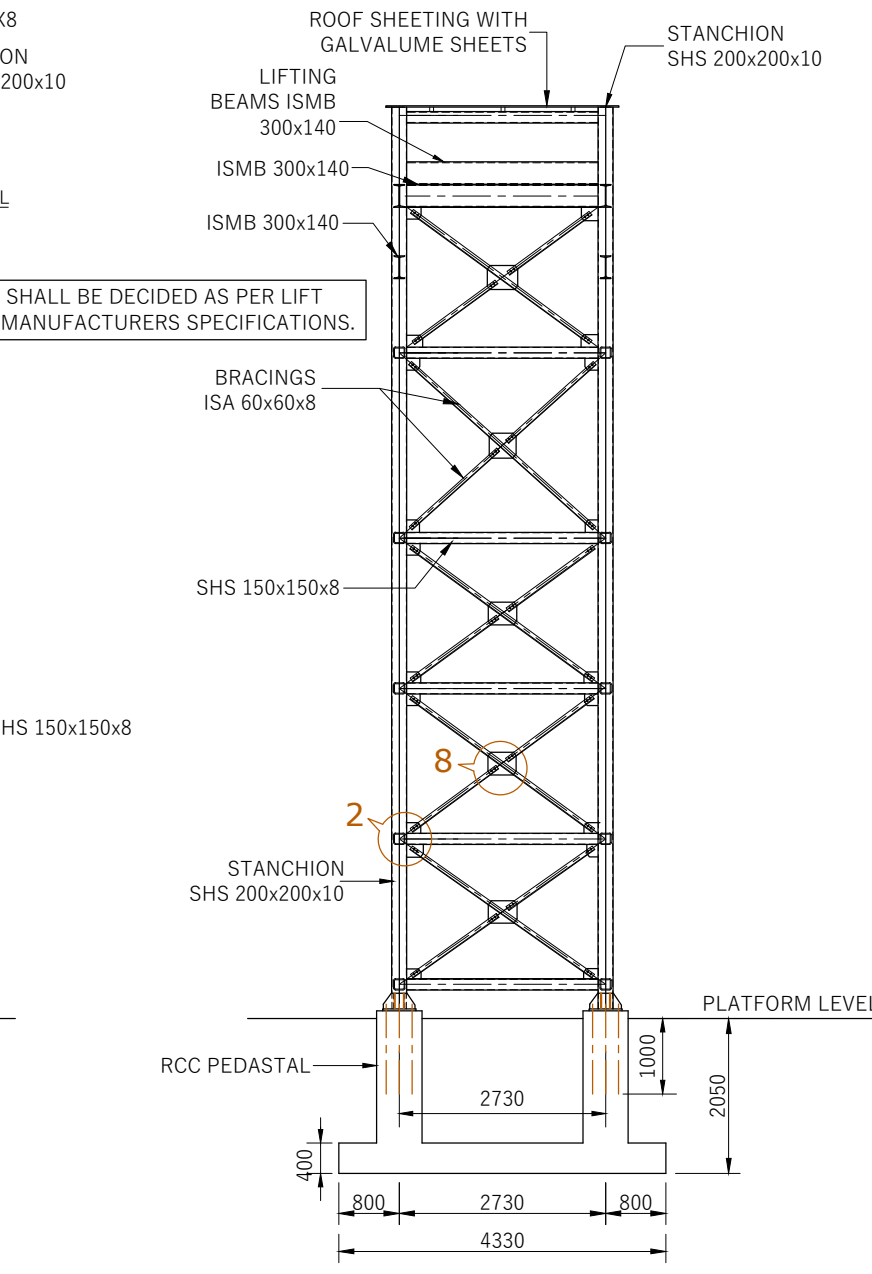
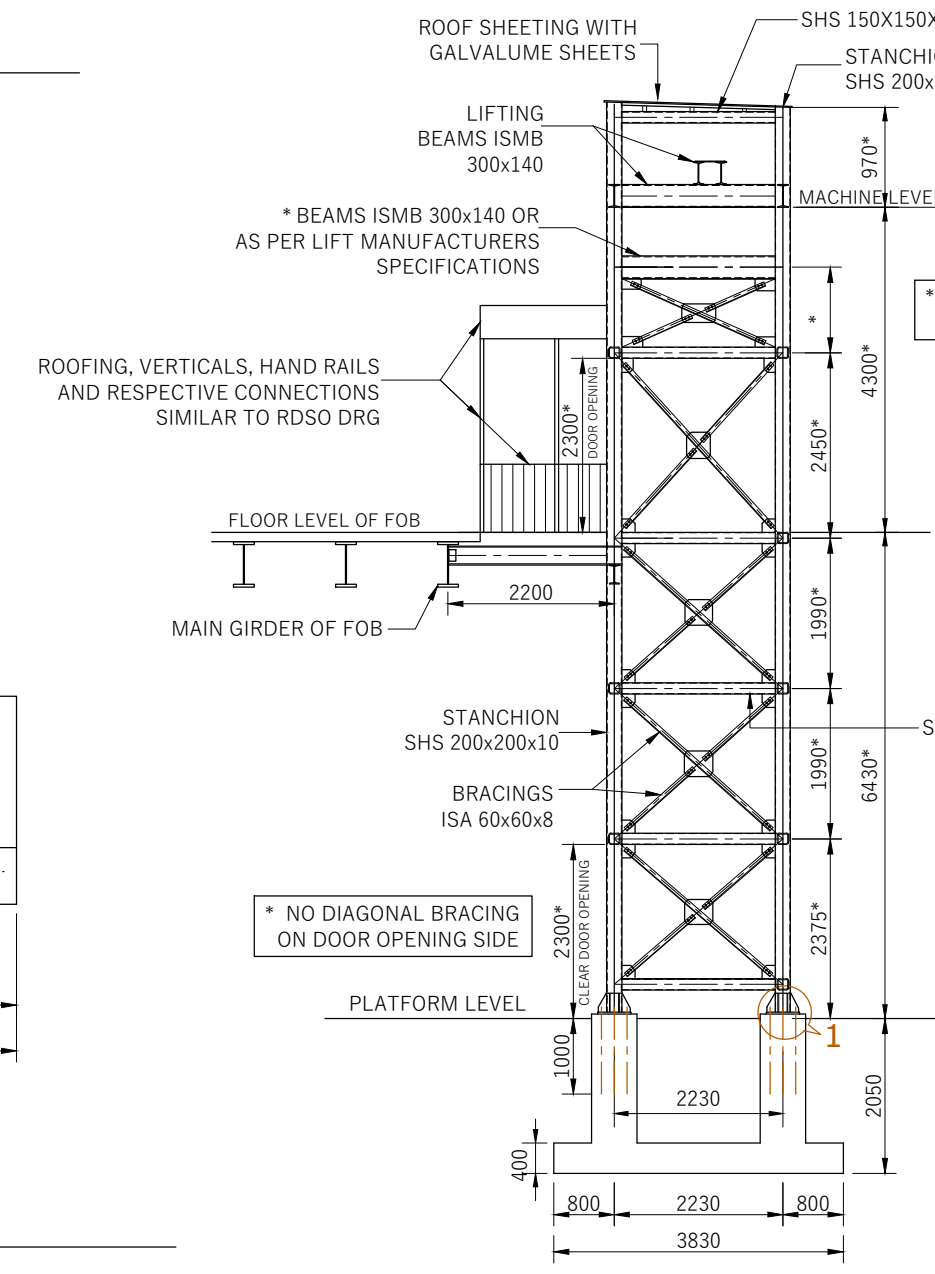
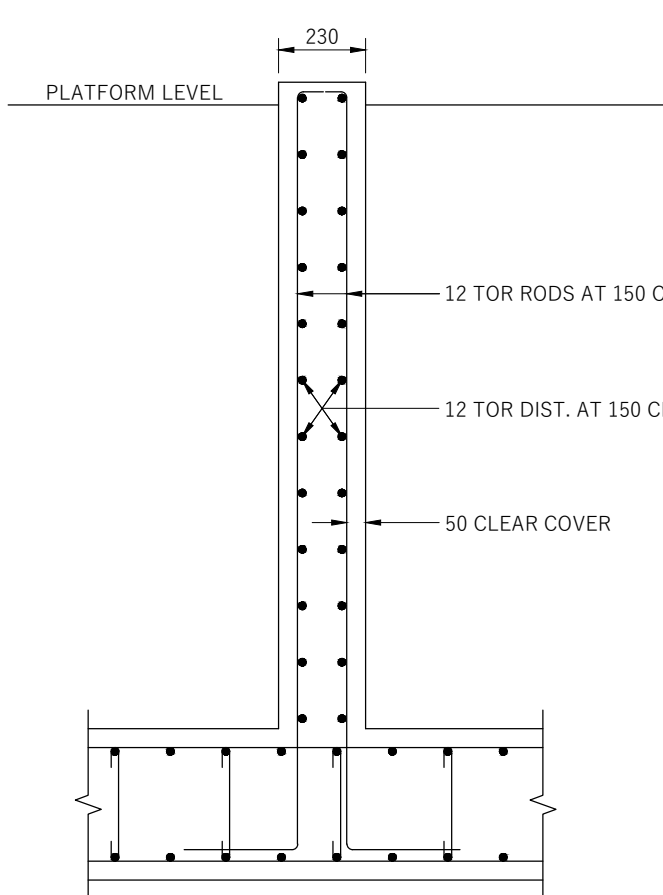
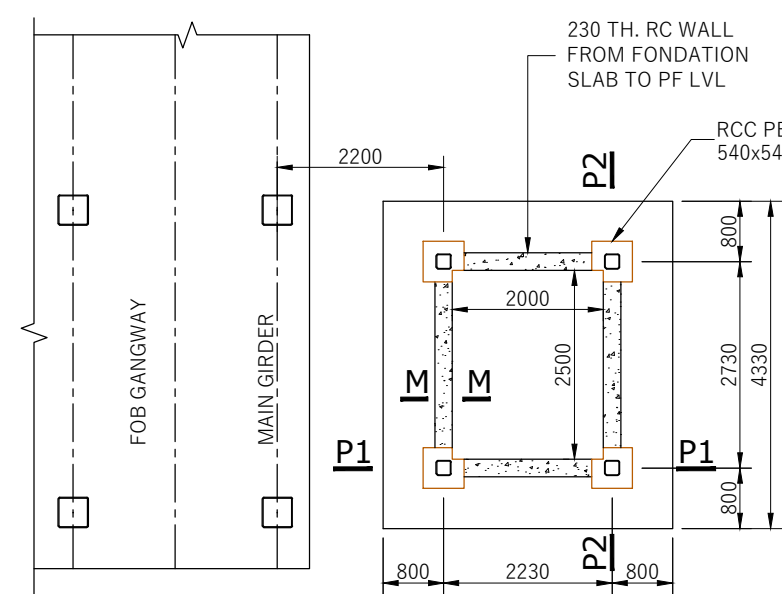
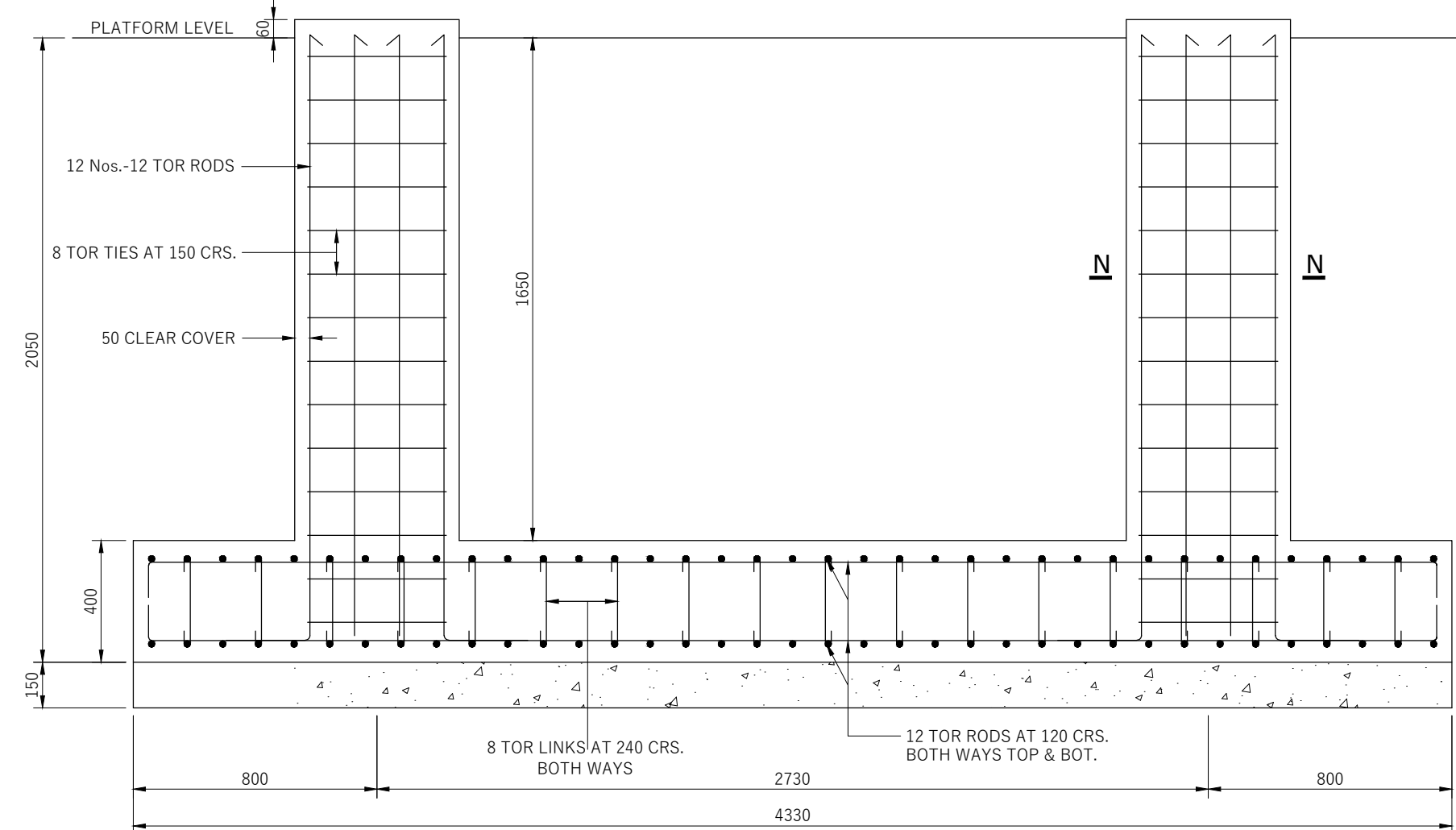
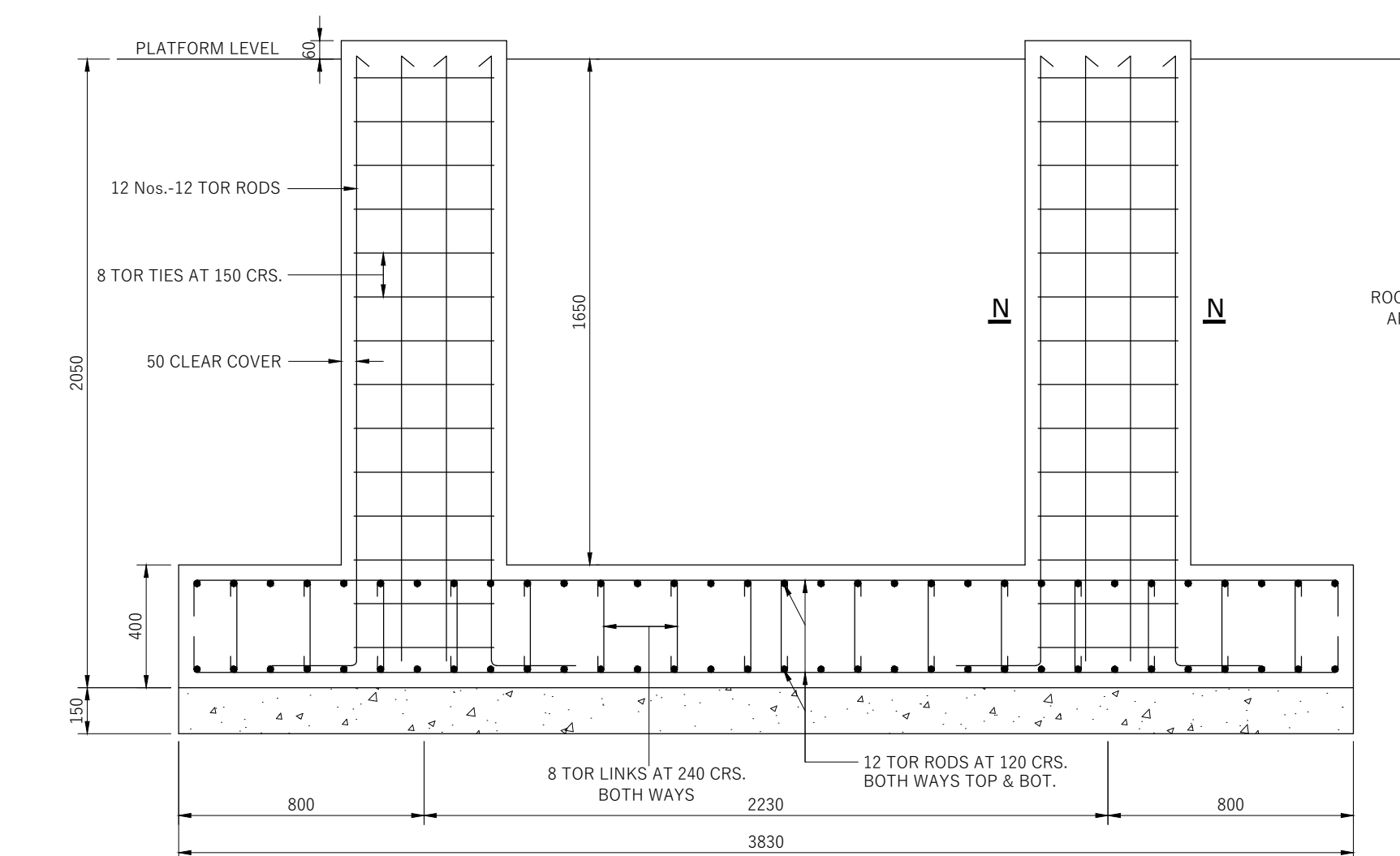
This is for your kind information and further action please.

Enclosure: copy pf drawing. No. CBE/TP/288/2025





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Dy.CE/Br / Design
for Chief Bridge Engineer.

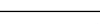


- ## NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL A & C.C. WORKS TO BE DONE AS PER IS:456-2000 AND READ WITH INDIAN RAILWAYS UNIFIED STANDARD SPECIFICATIONS (WORKS AND MATERIALS).
3. HIGH STRENGTH DEFORMED BARS (TOR) SHALL CONFORM TO IS:1786-2008 (F.415).
4. BAR BENDING SHOULD CONFORM TO IS:2502-1963.
5. a) ROLLED STEEL SECTIONS (SMB, ISMC & ISA ARE CONFORM TO IS:2062-2011, GRADE 250, QUALITY A, SEMI KILLED/KILLED.
6. b) SQUARE HOLLOW STRUCTURAL PIPES (SHS) OF GRADE YST 310 OR HIGHER TO BE USED AS PER IS: 4022-2017.
7. FABRICATION AND ERECTION OF STEEL WORKS SHALL CONFORMS TO IRS B1-2001.
8. WELDING TO BE DONE AS PER IS:816-89 AND FOR ARC WELDING
9. MINIMUM SIZE OF FILLET WELD SHALL BE 8mm UNLESS OTHERWISE SPECIFIED.
10. THE BOLT OF SIZE 20 DIA IN 21.5 DIA HOLE UNLESS MENTIONED IS SHOWN THUS 
11. FILLET WELDS NEAR SIDE SHOWN THUS. 
12. FILLET WELDS FAR SIDE SHOWN THUS. 
13. FILLET WELDS BOTH SIDES SHOWN THUS. 
14. THE SIDE CLADDING SHOULD BE DONE WITH ALUMINIUM COMPOSITE PANELS CONFORMING TO IS 11682 - 2021
15. THE ROOFING AT THE TOP SHOULD BE DONE WITH GALVALUME SHEETS.
16. PROTECTIVE SCREENS SHALL BE PROVIDED IN WALKWAY WHERE EVER REQUIRED IN VIEW OF THE SAFETY.
17. DESIGN MAXIMUM PRESSURE ON SOIL WORKS OUT TO 8.0 t/m².
18. THE ENGINEER-IN-CHARGE SHALL ENSURE THAT THE SBC OF SOIL AT FOUNDING LEVEL IS MORE THAN THE DESIGN MAXIMUM PRESSURE ON SOIL.

- IMPORTANT NOTES:-

- THE SIDE CLADDING SHALL BE DONE WITH APPROVED FIXING ACCESSORIES.
- THE LEVELS SHALL BE FIXED IN CONSULTATION WITH THE LIFT MANUFACTURERS.
- ALL WELDS ARE CONTINUOUS FILLET WELDS AND THIS SHOULD BE ENSURED AND QUALITY TESTED BY THE ENGINEER-IN-CHARGE.
- NECESSARY SHORING ARRANGEMENT SHALL BE PROVIDED WHILE EXCAVATING FOR FOUNDATION AS PER SIT CONDITION.

दक्षिण रेलवे SOUTHERN RAILWAY				
DESIGN	 (R. SIVARAMAN)	TYPE PLAN PROVISION OF STEEL LIFT SHAFT OF SIZE 2.0m x 2.5m (14 PERSONS CAPACITY)	STRUCTURAL DETAILS OF STEEL LIFT SHAFT WITH FOUNDATION	
CAD	Innasriaja V <small>Digitally signed by V Innasriaja DN: cn=V Innasriaja, o=SRP, ou=SRP, email=V INNASRIAJA@SRP</small>		Dy. CE/BR&GD	M SREENIVASULU <small>Digitally signed by M SREENIVASULU DN: cn=M SREENIVASULU, o=SRP, ou=SRP, email=MSREENIVASULU@SRP</small>
SCALE	1:10, 1:20		CBE	RAM KISHORE <small>Digitally signed by RAM KISHORE DN: cn=RAM KISHORE, o=SRP, ou=SRP, email=RAMKISHORE@SRP Date: 2023.03.26 15:58:57 +05'30'</small>
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