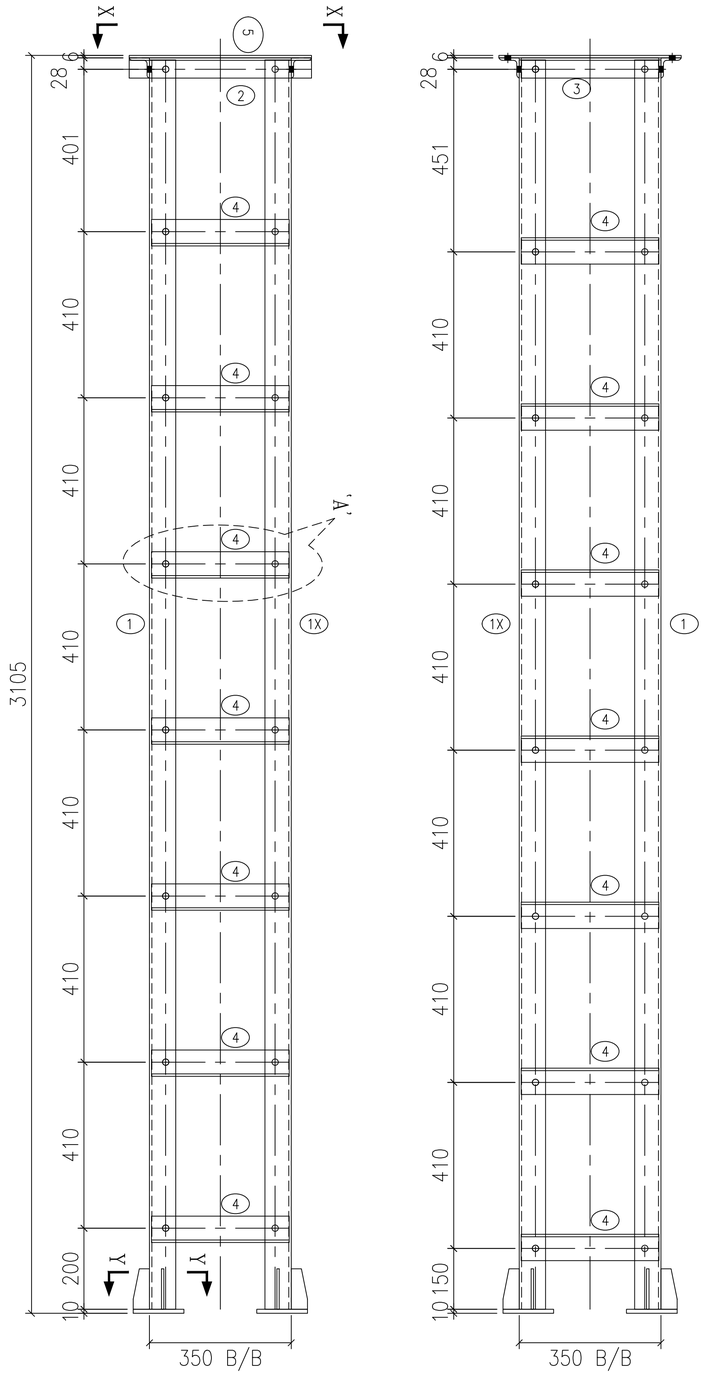
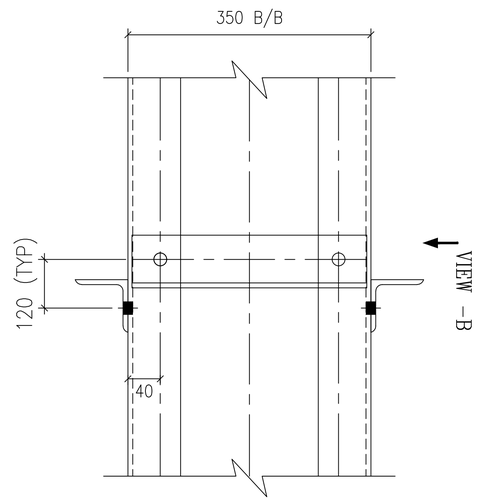
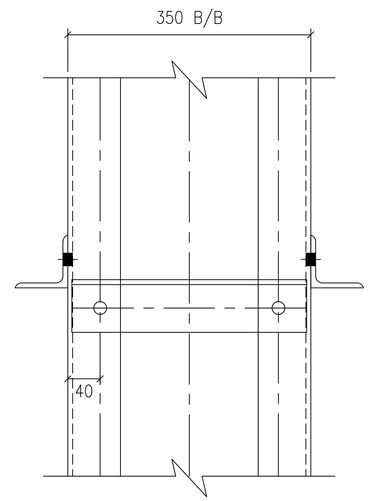
PRODUCED BY AN AUTODESK STUDENT VERSION

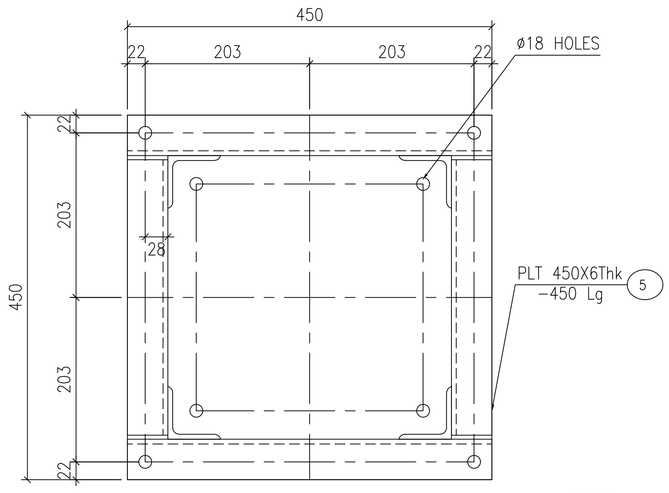




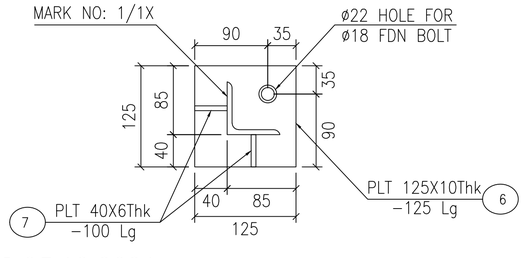
DETAIL AT A



VIEW AT B



VIEW AT X-X



BILL OF MATERIALS						
SL NO.	PART NO.	SECTION	LENGTH	QTY	Unit Wt.	WEIGHT
1	RPHI-1	ISA 65 X 65 X 6	3086	2	5.8	35.80
2	RPHI-1X	ISA 65 X 65 X 6	3086	2	5.8	35.80
3	RPHI-2	ISA 50 X 50 X 6	450	2	4.5	4.05
4	RPHI-3	ISA 50 X 50 X 6	340	2	4.5	3.06
5	RPHI-4	ISA 65 X 65 X 6	340	28	5.8	55.20
6	RPHI-5	PLT 450X6Thk	450	1	9.54	9.54
7	RPHI-6	PLT 125X10Thk	125	4	0.125	0.50
8	RPHI-7	PLT 40X6Thk	100	8	0.188	1.50
TOTAL WEIGHT IN KGS.						145.50

LIST OF BOLTS AND NUTS			
DESCRIPTION OF BOLT	QTY	Unit Wt.	WEIGHT
M16X35mm LONG BOLT WITH NUT	71	0.124	8.804
M16X40mm LONG BOLT WITH NUT	8	0.132	1.056
M16X3.5Thk SRING WASHER	79	0.009	0.711
TOTAL WEIGHT IN KGS			10.57

NOTES:
1. ALL DIMENSIONS ARE IN MM.
2. ALL HOLES ARE 17.5MM DIA. FOR 16MM DIA. BOLTS.
3. ALL STEEL SECTIONS SHALL CONFIRM TO IS: 2062.
4. ALL STEEL SECTIONS, BOLTS, NUTS & PACK WASHERS ARE TO BE HOT DIP GALVANIZED.
5. ALL BOLTS SHALL CONFORM TO IS:12427(2001), WITH MECHANICAL PROPERTIES CLASS 5.6 AND NUTS SHALL CONFORM TO IS: 1367(PART-VI) OF PROPERTIES CLASS-5.
7. DIMENSIONAL AND WEIGHT TOLERANCE ±10%.
8. THE HEIGHT OF STRUCTURE SHALL BE ADJUSTED TO MATCH WITH LIVE POINT HEIGHT (LPH) AS PER APPROVED SECTIONAL DRAWING.
9. THE EQUIPMENT MOUNTING DETAILS SHALL BE MATCHED WITH APPROVED EQUIPMENT DRAWINGS.

Approval Ltr No.: CEE/P&C/SET/EE(TL)/AEE-9/2021-22/10039-49 Dtd:05.10.2021

	KPTCL/P&C/TECH/66KV/11KVNCT				
REVNo	DRAWING NO.	AEE DRAWN/CHECKED	EE SUBMITTED	SEE RECEIVED	CEE APPROVED

EQUIPMENT MOUNTING STRUCTURE FOR 11KV NCT
(FOR 66/11KV SUBSTATIONS ONLY)

KPTCL

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