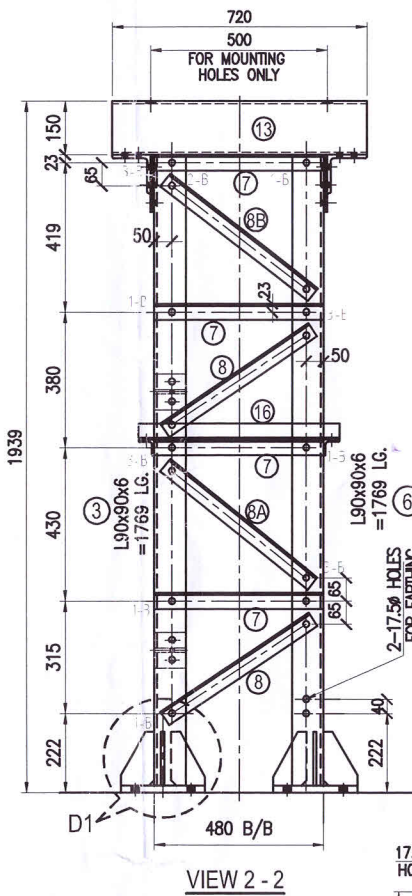
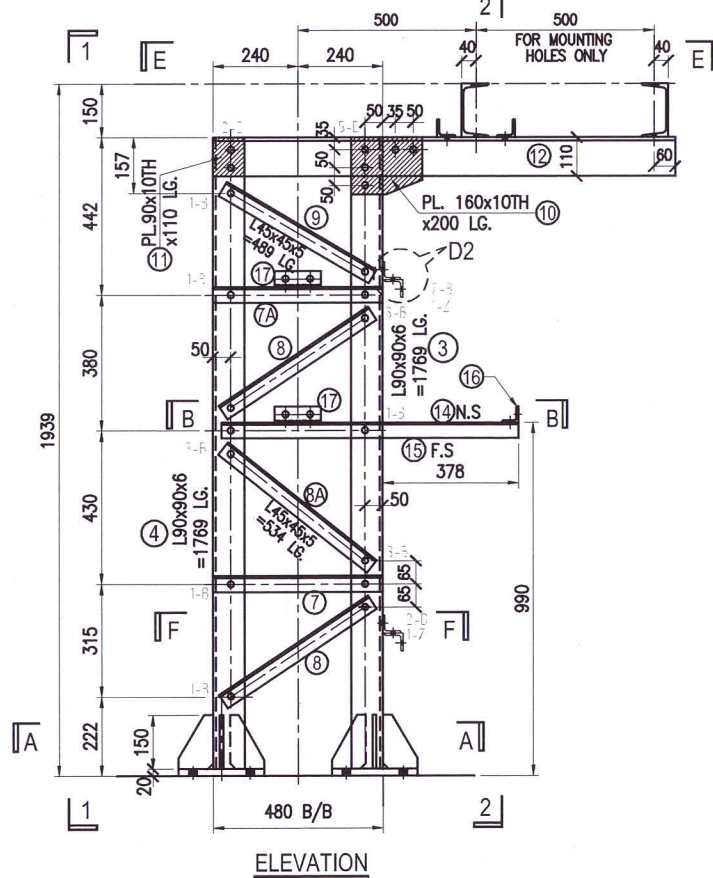
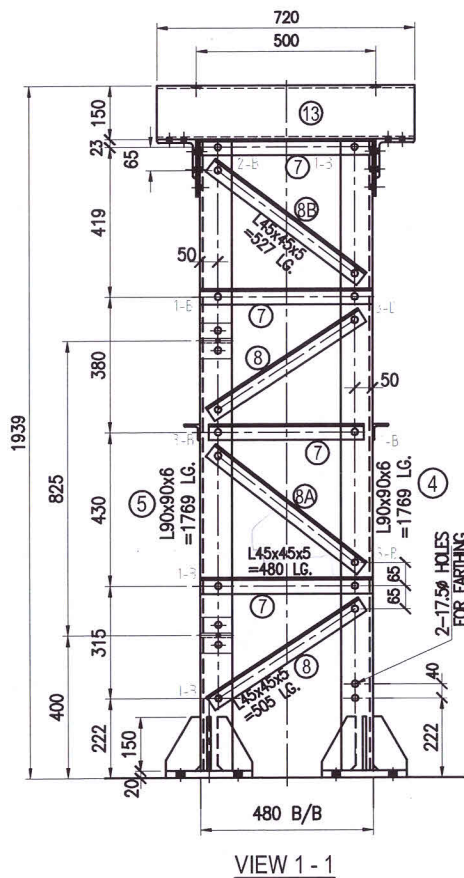
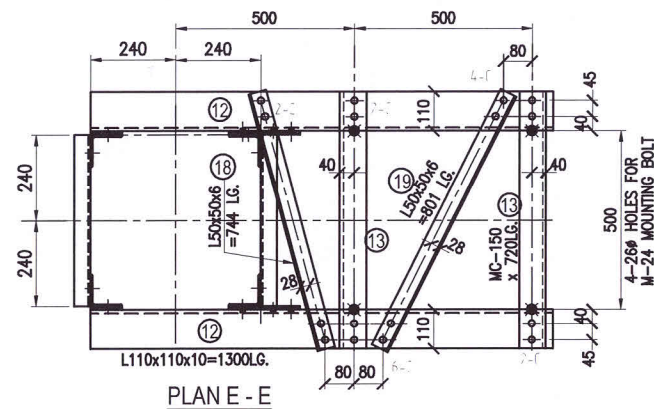
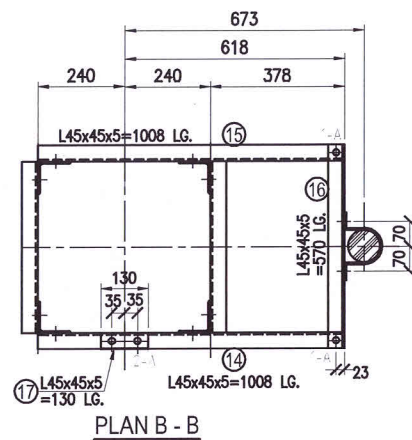




NUT & BOLT STATEMENT					
SL. NO	BOLT MKD.	DESCRIPTION	UNIT WT (Kg/pc)	NOS	TOTAL WT (Kg)
1	A	M-16 x 35 Lg.	0.117	6	0.702
2	B	M-16 x 40 Lg.	0.125	71	8.875
3	C	M-16 x 45 Lg.	0.133	16	2.128
4	D	M-16 x 50 Lg.	0.141		0.000
5	E	M-16 x 55 Lg.	0.149	14	2.086
6	Z	M-12 x 35 Lg.	0.062	4	0.248
SPRING WASHER					
1		FOR M-16 - 3.5mmTH.	0.009	107	0.963
2		FOR M-12 - 2.5mmTH.	0.004	4	0.016
TENTATIVE WT.OF FASTNERS FOR PER CSI STR =					15.018

BILL OF MATERIALS							
EREC MKD	ITEM NO	SECTION	LENGTH IN (mm)	WIDTH IN (mm)	NOS	UNIT WT (Kg/M & Kg/M²)	TOTAL WT (Kg)
CSE	1	20 TH. PL.	240	240	4	157.0	36.17
	2	8 TH. PL.	150	95	16	62.8	14.32
	3	L 90x90x6	1769		1	8.2	14.51
	4	L 90x90x6	1769		1	8.2	14.51
	5	L 90x90x6	1769		1	8.2	14.51
	6	L 90x90x6	1769		1	8.2	14.51
	7	L 45x45x5	480		10	3.4	16.32
	7A	L 45x45x5	480		2	3.4	3.26
	8	L 45x45x5	505		8	3.4	13.74
	8A	L 45x45x5	534		4	3.4	7.26
	8B	L 45x45x5	527		2	3.4	3.68
	9	L 45x45x5	489		2	3.4	3.33
	10	10 TH. PL.	200	160	2	78.5	5.02
	11	10 TH. PL.	110	90	2	78.5	1.55
	12	L 110x110x10	1300		2	16.6	43.16
	13	MC-150	720		2	16.8	24.19
	14	L 45x45x5	1008		1	3.4	3.43
	15	L 45x45x5	1008		1	3.4	3.43
	16	L 45x45x5	570		1	3.4	1.94
	17	L 45x45x5	130		2	3.4	0.88
	18	L 50x50x6	744		1	4.5	3.35
	19	L 50x50x6	801		1	4.5	3.60
	20	L 50x50x6	90		4	4.5	1.62
	20A	L 50x50x6	90		4	4.5	1.62
TENTATIVE WT OF STR. (without fastner)							249.80
NO. OF ERCN.							1
TOTAL WT.(kg) OF CSE							249.80

NOTES :-

1. ALL DIMENSIONS IN MM, LEVELS IN METER UNLESS NOTED OTHERWISE.
2. STRUCTURAL STEEL SHALL CONFORM TO IS:2062 & GRADE -E250A.
3. BOLTS / NUTS SHALL BE PROPERLY CLASS 5.6 & 5.0 RESPECTIVELY AS PER IS:12427, PACK WASHER TO IS:2016 & SPR. WASHER TO IS:3063.
4. STRUCTURAL STEEL MEMBERS INCLUDING FOUNDATION BOLTS SHALL BE GALVANIZED WITH MINIMUM 0.610 kg/m² WEIGHT OF ZINC.
5. ALL BOLTS / NUTS M-16 (HOLE 18Ø) IF NOT SPECIFIED.
6. FABRICATION SHALL CONFORM TO IS:802(PART-2).
7. ALL BOLTS, NUTS & WASHERS SHALL BE HOT DIPPED GALVANIZED AS PER RELEVANT IS CODE.
8. FOUNDATION BOLTS SHALL CONFORM TO IS:5624 AND PROPERTY CLASS SHALL BE 4.6 AS PER IS:1367 (PART-3).
9. WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH IS:816, WELD SIZE = 8MM
10. ALL MEMBERS LENGTH, SLOPE DIMN., SHAPES & SIZE OF GST. PLS. BOLT POSITION & NOTCH CUTTING SHOULD BE CHECKED BY FULL SCALE SHOP LAYOUT BEFORE FABRICATION.

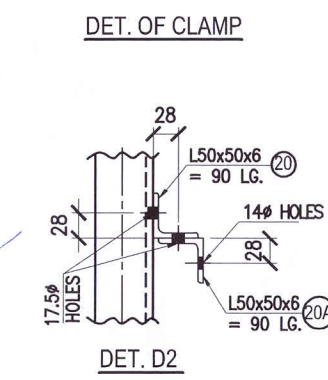
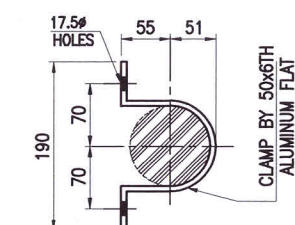
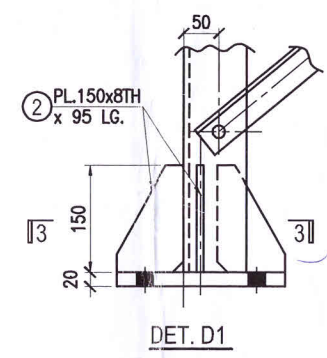
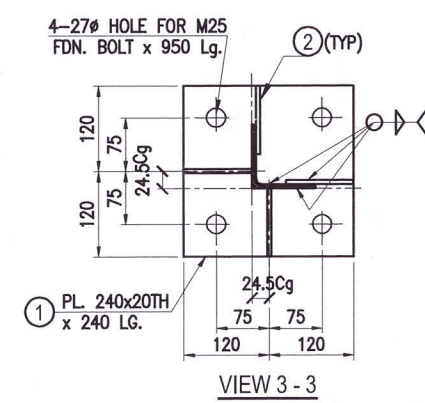
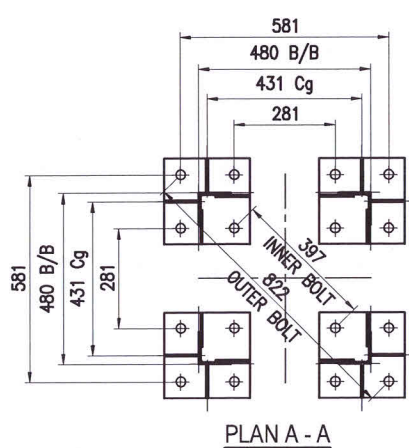
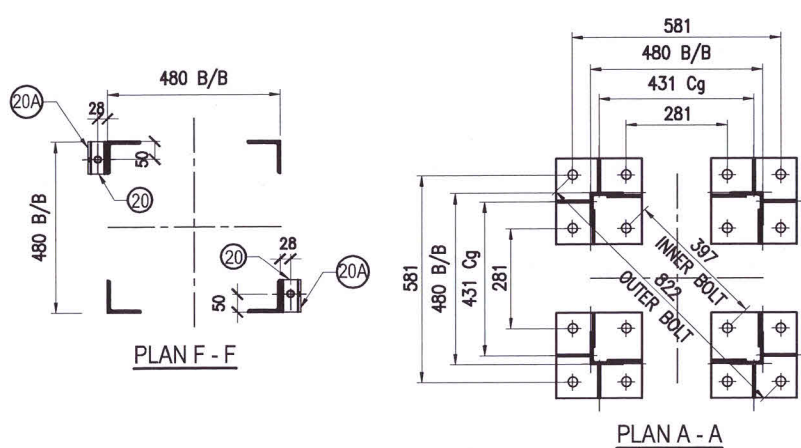
Civil Expert
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Design & Project
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Asstt. General Manager (C)
Design & Project
AEGCL, Kahilipara, Ghy-19

APPROVED BY

General manager (C)
O/o the M.D, AEGCL, Bijulee Bhawan
Paltanbazar, Guwahati-1



0	FIRST SUBMISSION	T.K	A.B	S.C	04.11.2025
REV	DESCRIPTION	PREP.	CHKD.	APPD.	DATE
OWNER: ASSAM ELECTRICITY GRID CORPORATION LIMITED					
EPC: TECHNO ELECTRIC & ENGG. CO. LTD.					
CONTRACT: AEGCL/MD/AIIB/400kv/Sonapur/Tender/PkgH/2023-24/Extn-2/71 Dtd: 13.09.2024					
PROJECT: CONSTRUCTION OF 400/220KV, GIS AT SONAPUR AND ASSOCIATED TRANSMISSION LINES AND BAY EXTENSION WORKS AT EXISTING 220KV SONAPUR GIS					
SUBSTATION: 400/220KV, GIS AT SONAPUR, ASSAM					
DRG. TITLE: SONAPUR SS - 220KV CSE SUPPORT - FABRICATION DRAWING & BILL OF MATERIAL OF SUPPORT STRUCTURE					
DRG. NO.: AEGCL-SONA-0816SN-CIV-2CABSUPPAB-148					
SCALE: N.T.S. JOB NO: 0816SN SHEET 1 OF 1					