

BOLTS & NUTS STATEMENT				
BOLT TYPE	SIZE	UNIT WT. (kg)	NOS	TOTAL WT. (kg)
M-16 x 35 LG	0.117	0	0.000	
M-16 x 40 LG	0.145	30	4.350	
M-16 x 45 LG	0.173	20	3.460	
M-16 x 50 LG	0.241	0	0.000	
M-12 x 35 LG	0.062	15	0.930	
STEP BOLT M-16 x 175 LG	0.47	0	0.000	
PACK WASHER FOR M-16 BOLTS				
PW-6 M-16 x 3 TH	0.034	0	0.000	
PW-8 M-16 x 3 TH	0.045	0	0.000	
SPRING WASHER				
12 DIA X 3.5 TH	0.034	15	0.510	
16 DIA X 3.5 TH	0.039	130	5.070	
TOTAL WT. OF FASTENERS =				48.570

BILL OF MATERIALS						
ERCN MKD.	ITEM NO.	DESCRIPTION	WIDTH (mm)	LENGTH (mm)	NOS	UNIT WT (kg)
1	PL16	150	150	2	125.60	2.512
2	PL16	57	120	15	62.80	0.942
3	L50x5x6	4712	1	5.80	27.33	27.33
4	L50x5x6	4712	1	5.80	27.33	27.33
5	L50x5x6	4712	1	5.80	27.33	27.33
6	L50x5x6	4712	1	5.80	27.33	27.33
7	L50x5x6	624	32	2.70	1.68	53.76
8	L50x5x6	609	4	2.70	1.64	6.56
9	L50x5x6	580	2	5.80	3.96	6.72
10	L50x5x6	580	2	5.80	2.61	5.22
11	PL12	580	1	94.20	31.69	31.69
12	L50x5x5	65	12	3.60	0.35	4.32
13	L50x5x5	65	12	3.60	0.25	3.00
TENTATIVE WT OF STR. (without fastener)						237.47
NO. OF ERCN.						1
TOTAL WT. (kg) OF STR.						237.47

REFERENCE DRAWING:

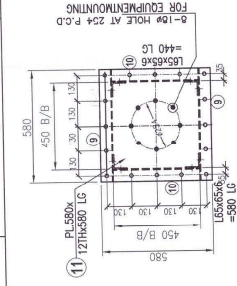
9) JOTIYA BILA INSULATORS (HALOL-INDIA)
 Drg No. 987070- 248kv-S/C Post Insulator

NOTES:

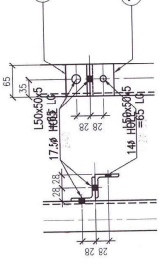
1. ALL DIMENSIONS IN MM. LEVELS IN METER UNLESS NOTED OTHERWISE.
2. STRUCTURAL STEEL SHALL CONFORM TO IS 2062 & GRADE - 250RA.
3. BOLTS/ NUTS SHALL BE PROPERLY CLASS 5.6 & 5.0 RESPECTIVELY AS PER IS 15027, PACK WASHER TO IS 2016 & SPR. WASHER TO IS 3063.
4. STRUCTURAL STEEL MEMBERS INCLUDING FOUNDATION BOLTS SHALL BE GALVANIZED WITH MINIMUM 0.010 mm ZINC RICH ZINC.
5. ALL BOLTS/ NUTS M-16 (HOLE 180) 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 9524 AND PROPERTY CLASS SHALL BE 16 AS PER IS 1367 (PART-3).
9. WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH IS 816. WELD SIZE - 6MM
10. ALL MEMBERS LENGTH, SLOPE DIMS, SHAPES & SIZE OF GST, PLs, BOLT POSITION & NOTCH CUTTINGS SHOULD BE CHECKED BY FULL SCALE SHOP LAYOUT BEFORE FABRICATION

PROTO CORRECTED

REV	DESCRIPTION	SIGN.			DATE
		PREP.	CHKD.	APPD.	
0	FIRST SUBMITS ON	P.P	D.S	S.C	06.08.2025
OWNER					
ASSAM ELECTRICITY GRID CORPORATION LIMITED					
EPC					
TECHNO ELECTRIC & ENGG. CO. LTD.					
CONTRACT :					
SUPPLY CONTRACT AND SERVICE CONTRACT SIGNED ON DATED XXXXX					
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 BPI - FABRICATION DRAWING & BILL OF MATERIAL OF SUPPORT STRUCTURE-					
DRG. NO. :					
AEGCL-SONA-0816SN-CIV-2BPISFAB-133					
SCALE :					
1:50					
JOB NO					
0816SN					
SHEET					
1 OF 1					



TCP PLAN



DETAIL 'D3'

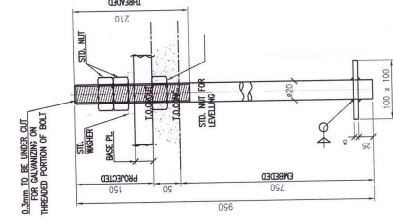
Design & Project
 AEGCL, Kahilpara, Ghy-19

Civil Expert
 PT Feedback Infra
 Indonesia

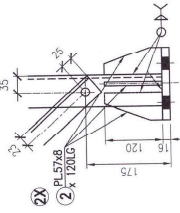
Asstt. General Manager (C)
 Design & Project
 AEGCL, Kahilpara, Ghy-19

APPROVED BY

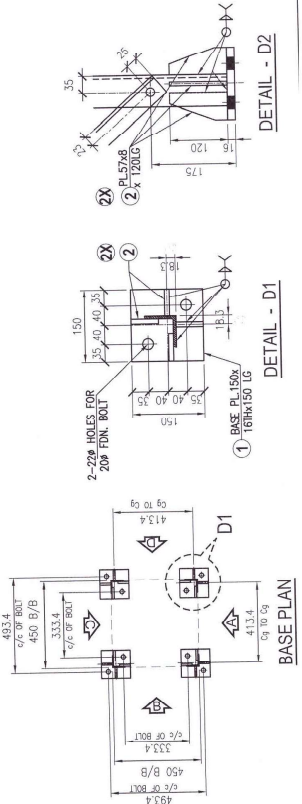
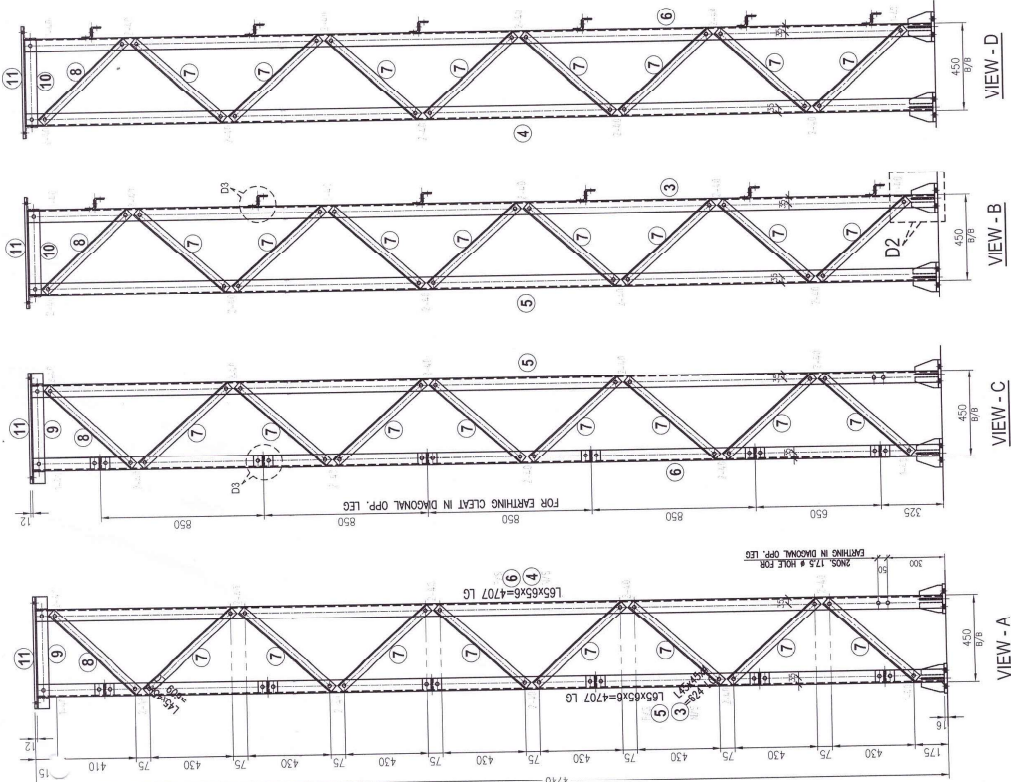
General Manager (C)
 o/o the AEGCL, Bhubaneswar
 Palitana, Gujarat



DETAIL - D2



DETAIL - D1



BASE PLAN

DET. OF 200 ANCHOR BOLT