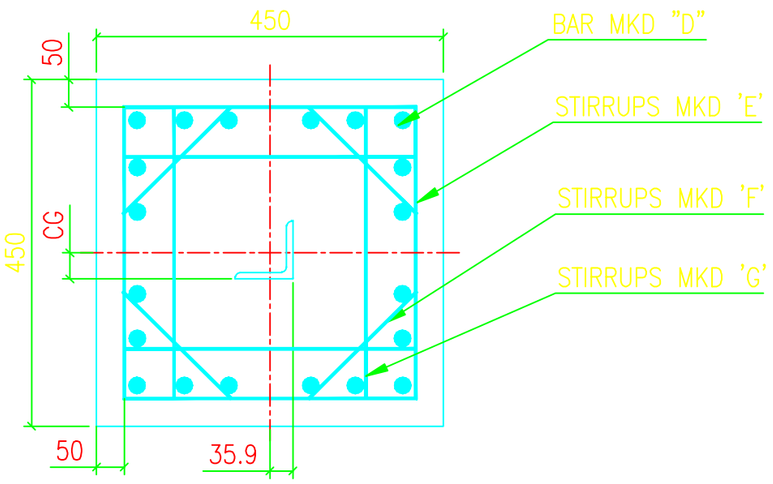
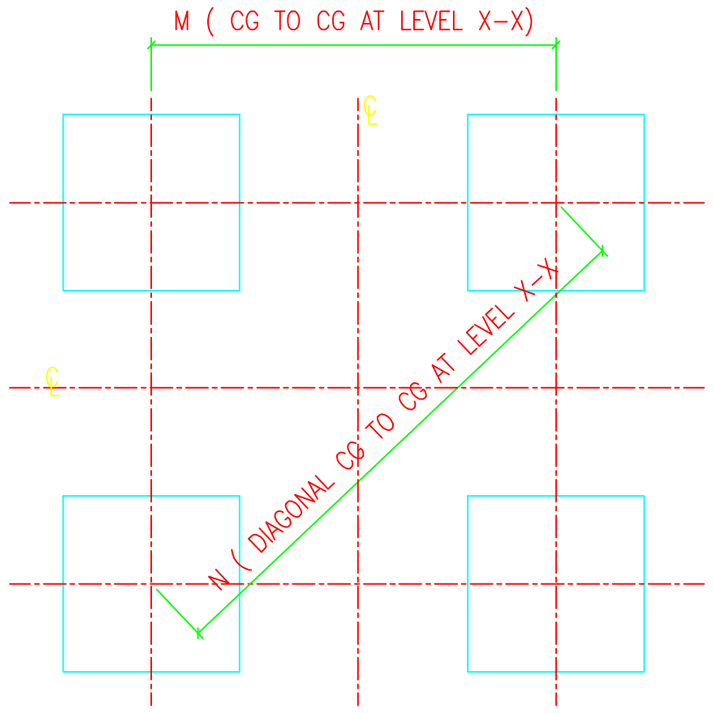
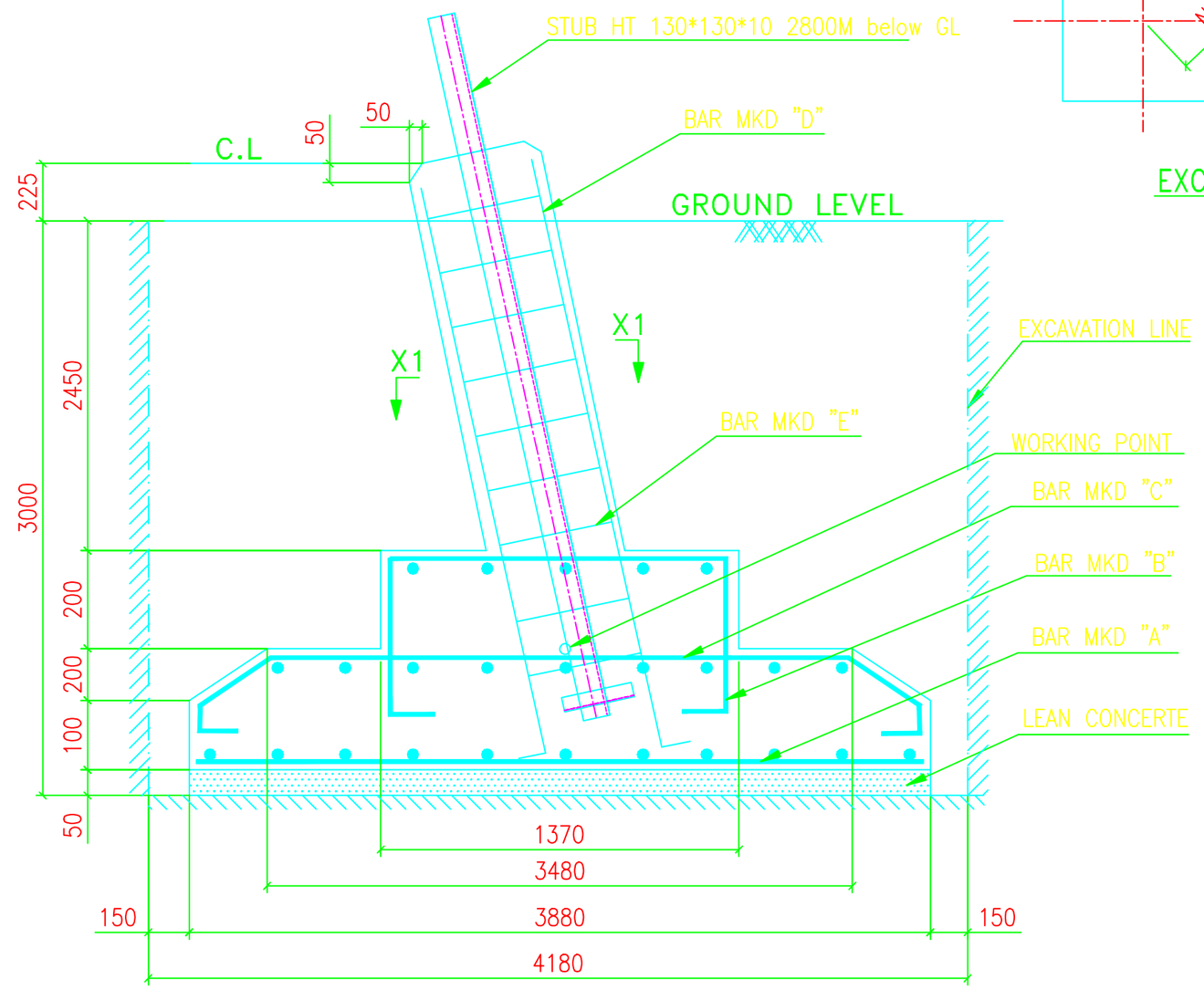
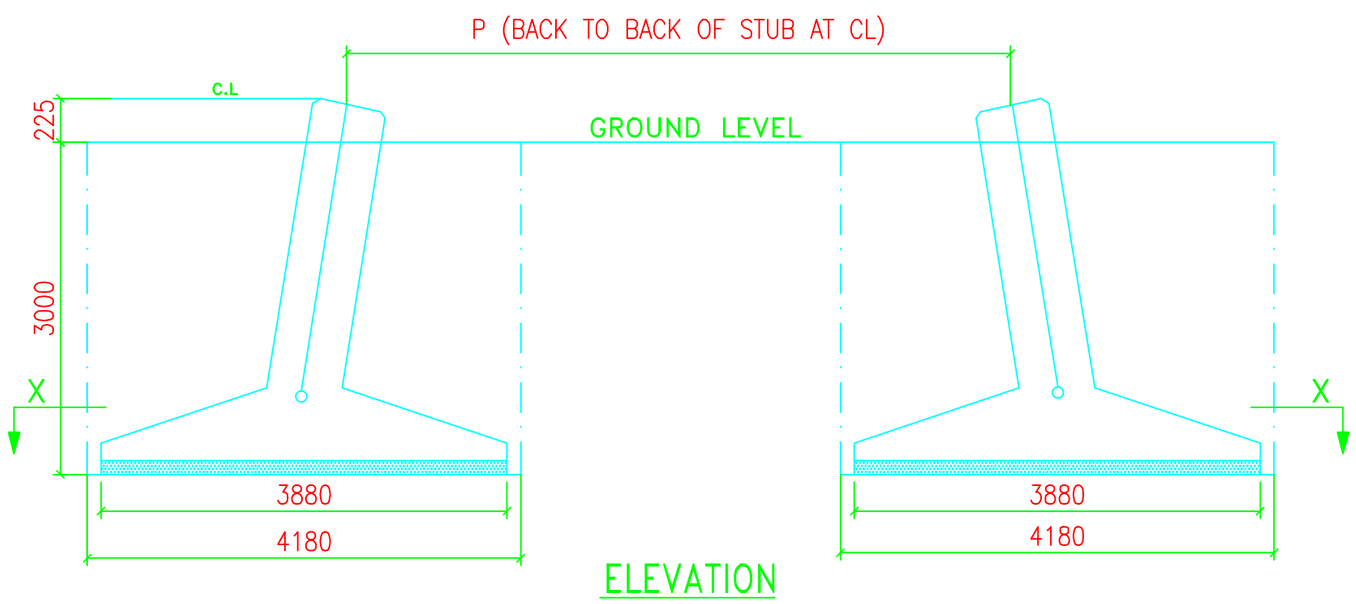


SECTION X1–X1



EXCAVATION PLAN AT X–X





ELEVATION

BAR BENDING SCHEDULE FOR FOUNDATION

MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (Kg/m)	Wt/Leg. (Kg)	Wt./Tower (Kg)
A	3780	12	3780	52	0.888	174.545	698.180
B	1270, 382, 100	12	2234	14	0.888	27.773	111.092
C	3380, 212, 100	12	4004	30	0.888	106.677	426.668
D	3000, 350	12	3350	4	0.888	11.899	47.596
		20	3350	16	2.466	132.177	528.708
E	350, 350	8	1550	13	0.390	7.86	31.434
F	86	8	1282	13	0.390	6.499	25.60
G	350, 218	8	1286	26	0.390	13.04	52.160
			TOTAL REINFORCEMENT				1921.438

TYPE OF TOWER : DD+0

TOWER SLOPE TAN ALPHA = 0.18403						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT 130*130*10	35.9	8073	8985	12707	MS 90*90*6 NO.OF PAIRS 3 OUTER–290MM INNER–210MM 4 BOLTS/PAIR

QUANTITIES/TOWER

EXCAVATION VOLUME	=	209.67 Cu.M
CONCRETE (1:1.5:3)	=	20.53 Cu.M
CONCRETE (1:3:6)	=	3.01 Cu.M
REINFORCEMENT	=	1921.438 Kgs.

NOTES:–

1. DRAWING NOT TO SCALE.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
3. REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786–1985
4. MIX PROPERTIES CONFORMING TO IS 456–2000
5. CONCERTE MIX USED GRADE M–20 (NOMINAL MIX 1:1.5:3)
   LEAN CONCERTE MIX USED GRADE M–10 (NOMINAL MIX 1:3:6)
6. WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
7. CLEAR COVER TO THE MAIN REINFORCMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
8. FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL	:	PS
UNIT WEIGHT	:	1440/940 Kg/Cu.M
BEARING CAPACITY	:	13675 Kg/Sq.M
ANGLE OF REPOSE	:	30/15 Degrees
WATER TABLE	:	0.75M TO 1.5M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DD+0" TOWER FOUNDATION DRAWING OF TYPE - PS	SCALE	–
CHECKED BY					
APPROVED BY		DRG NO	132KV-D/C-0-Fdn-PS-43	SHEET NO 1–1	REV. 0