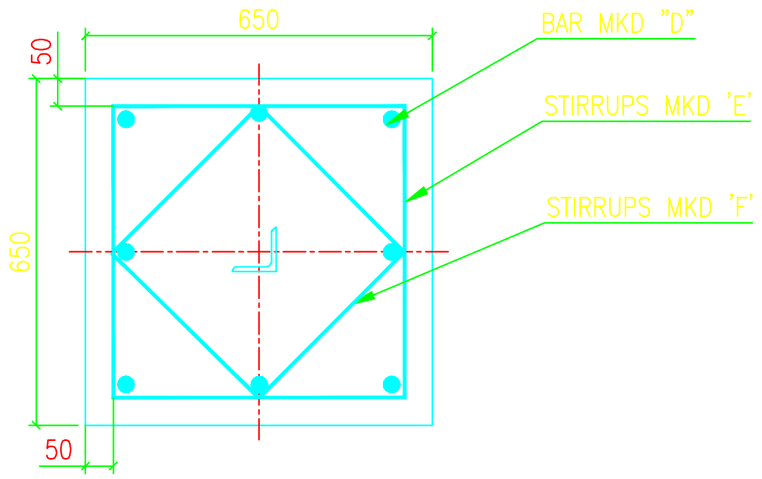
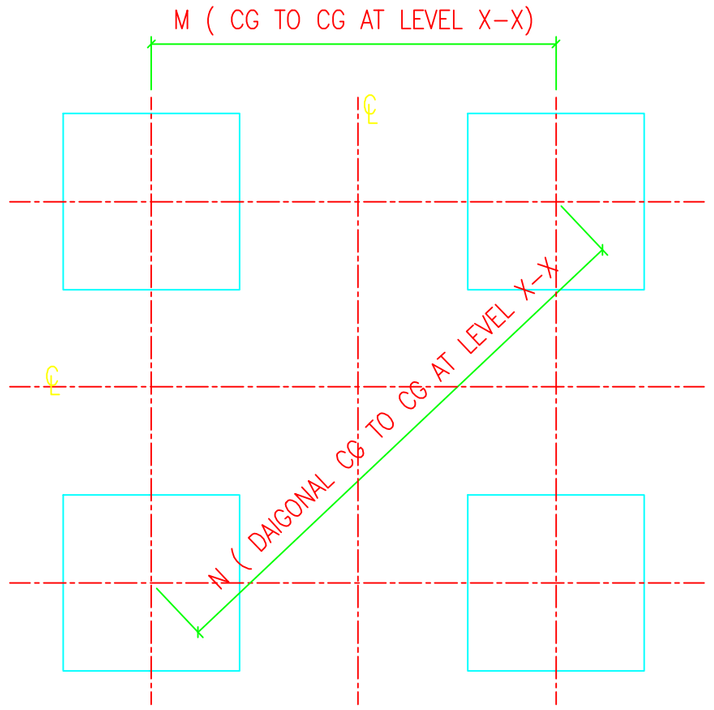
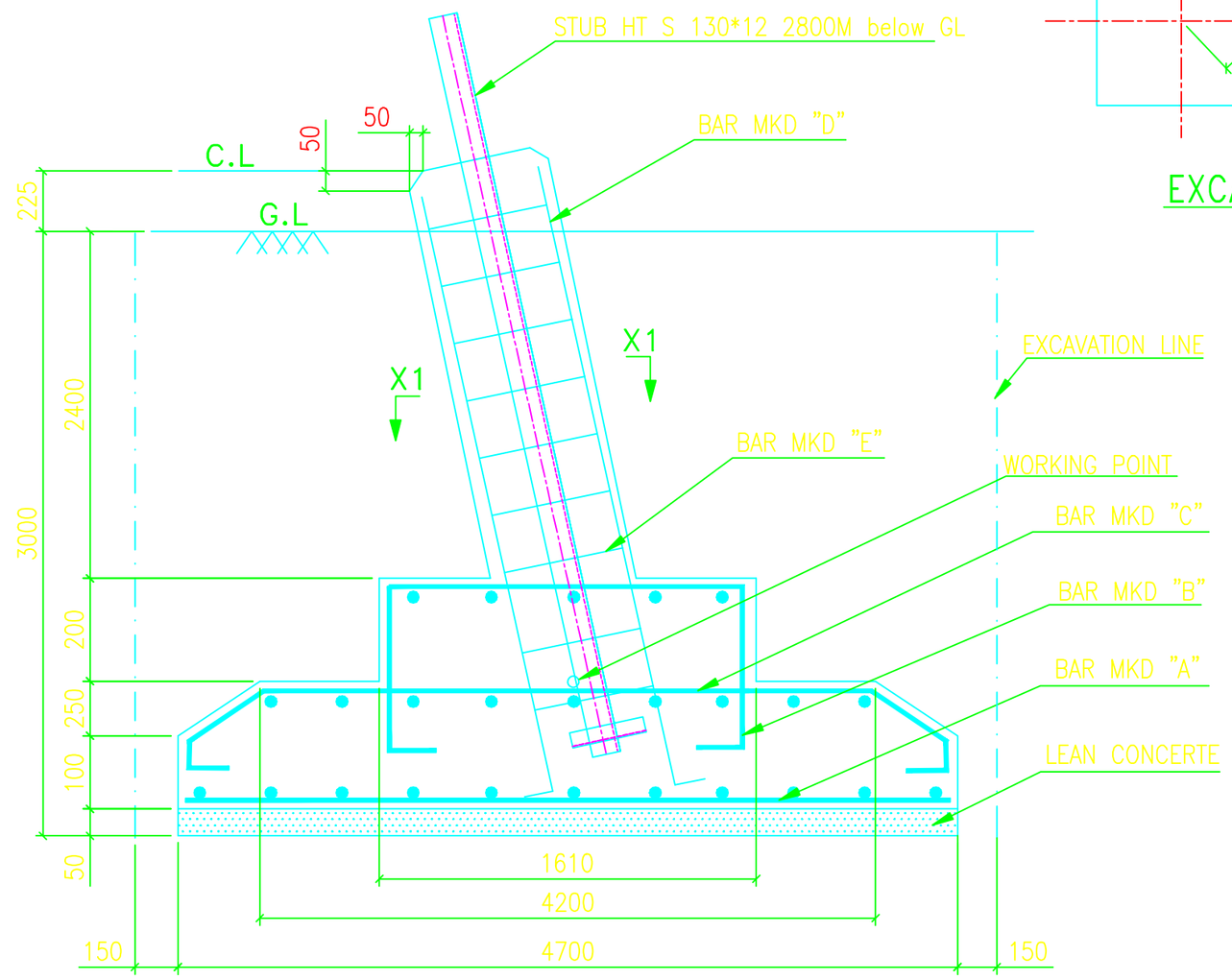
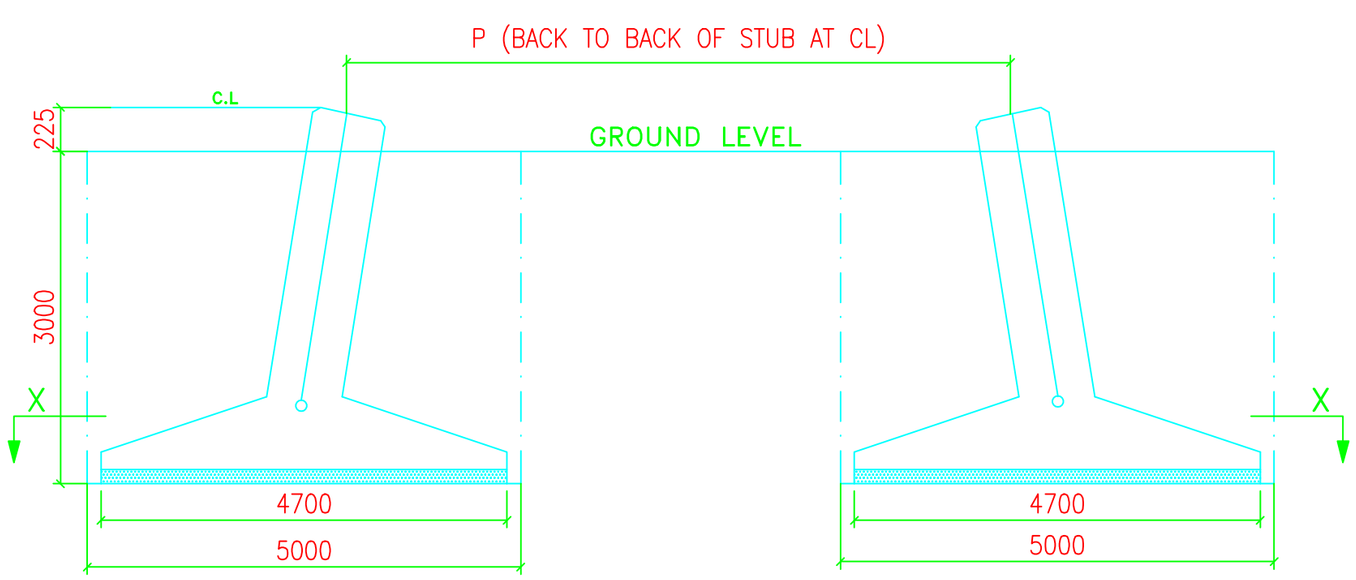


SECTION X1–X1



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	4600	12	4600	60	0.888	245.088	980.352
B	1510, 432, 100	12	2574	18	0.888	41.143	164.572
C	4100, 282, 100	12	4865	36	0.888	155.524	622.096
D	3000, 350	16 32	3350 3350	4 4	1.578 6.313	21.145 84.594	84.58 338.376
E	550, 550	8	2350	13	0.395	12.067	34.956
F	388	8	1702	13	0.395	8.739	34.956
			TOTAL REINFORCEMENT				2273.2

QUANTITIES PER TOWER

EXCAVATION VOLUME	=	300 Cu.M
CONCRETE (1:1.5:3)	=	35.17 Cu.M
CONCRETE (1:3:6)	=	4.42 Cu.M
REINFORCEMENT	=	2273.2 Kgs.

TYPE OF TOWER : DD+12

TOWER SLOPE TAN ALPHA = 0.183465

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+12M	HT S 130*12	36.7	12468	13377	18917	MS 90*6 NO. OF PAIRS 3 BOLTS / PAIR 3

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 M20 (NOMINAL MIX 1:1.5:3)
   LEAN CONCERTE MIX USED GRADE M10 (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 : FS
UNIT WEIGHT : 1440/940 Kg/Cu.M
BEARING CAPACITY : 13675 Kg/m2
ANGLE OF REPOSE : 30 / 15 Degrees

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DD+12" TOWER FOUNDATION DRAWING OF TYPE - FS	SCALE –
CHECKED BY				
APPROVED BY		DRG NO	132KV-D/C-+12-Fdn-FS-44	SHEET NO 1–1 / REV. 0