

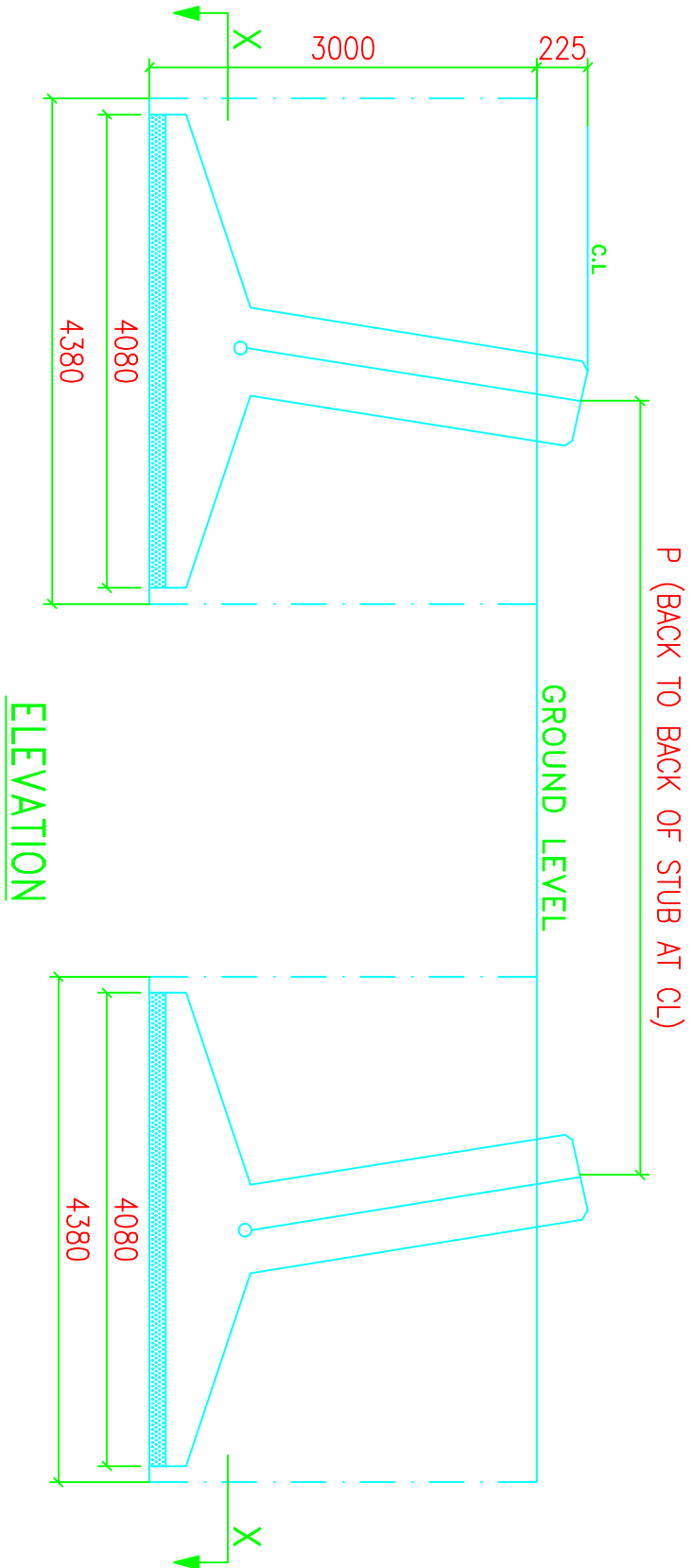
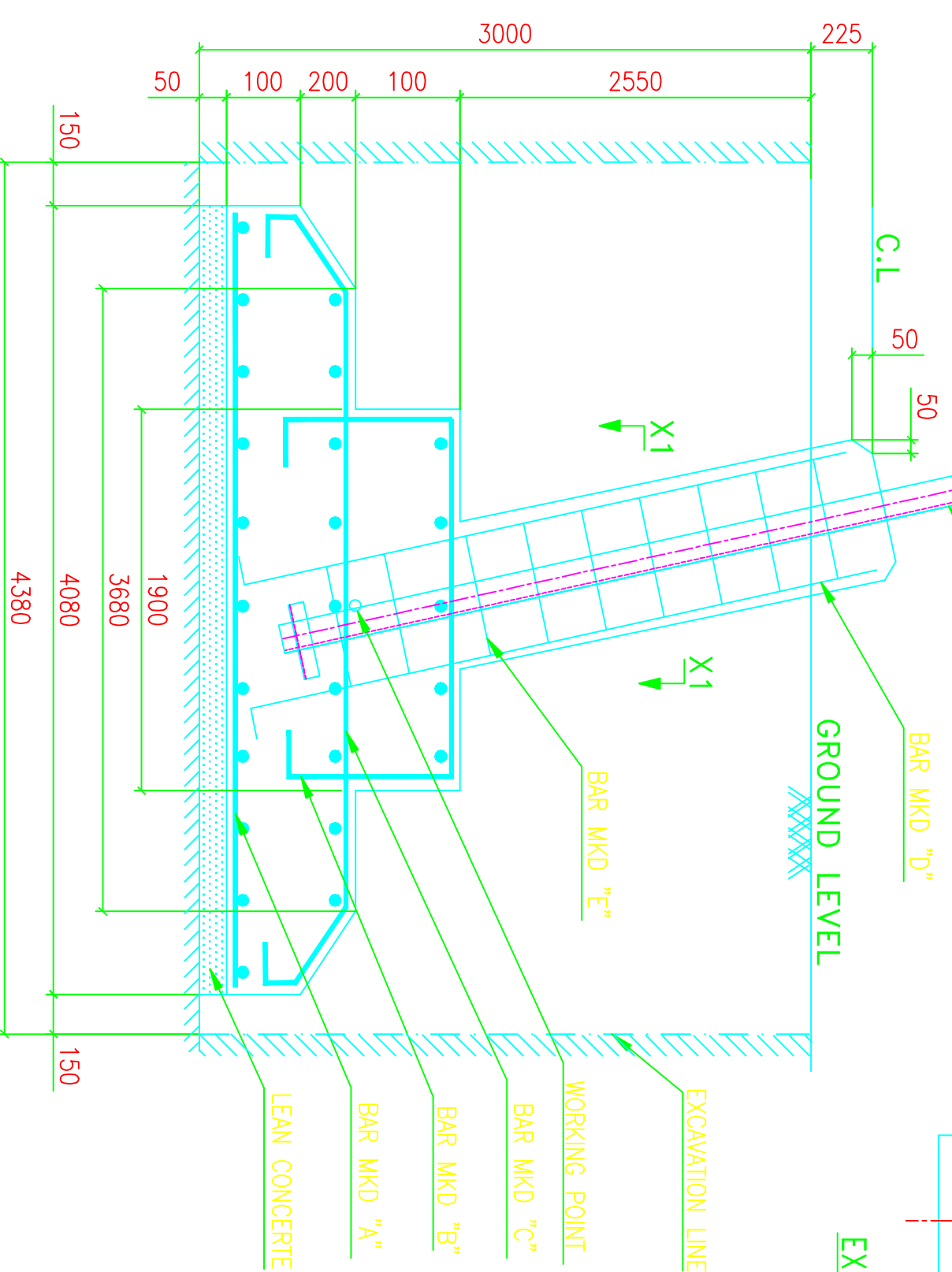
| BAR BENDING SCHEDULE FOR FOUNDATION | | | | | | |
|-------------------------------------|------------------|----------|-------------|----------|-----------------|----------------|
| MARK No. | SHAPE OF THE BAR | DIA (mm) | LENGHT (mm) | Nos. Leg | Unit Wt. (kg/m) | Wt./Leg. (kg) |
| A | | 10 | 3980 | 92 | 0.617 | 226.92 |
| B | | 10 | 2540 | 28 | 0.617 | 43.881 |
| C | | 10 | 4204 | 28 | 0.617 | 72.628 |
| D | | 25 | 3350 | 8 | 3.854 | 103.287 |
| E | | 8 | 1590 | 13 | 0.390 | 8.061 |
| F | | 8 | 1198 | 13 | 0.390 | 6.074 |
| TOTAL REINFORCEMENT | | | | | | 1839.41 |

TYPE OF TOWER : DC+3/6/9

TOWER SLOPE TAN ALPHA = 0.152107

| LEVEL | STUB | CG OF STUB | P | M | N | CLEAT DETAILS |
|-------|---------------|------------|------|-------|-------|--|
| +3M | HT 110*110*10 | 30.9 | 7525 | 8246 | 11662 | MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR |
| +6M | HT 110*110*10 | 30.9 | 8438 | 9159 | 12953 | |
| +9M | HT 110*110*10 | 30.9 | 9350 | 10071 | 14243 | |

| QUANTITIES/TOWER | |
|---------------------|----------------|
| EXCAVATION VOLUME | = 230.213 Cu.M |
| CONCRETE (1:1.5:3) | = 22.506 Cu.M |
| CONCRETE (1:3:6) | = 3.329 Cu.M |
| REINFORCEMENT | = 1839.41 Kgs. |



- NOTES:-**
- DRAWING NOT TO SCALE.
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
 - REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985
 - MIX PROPERTIES CONFORMING TO IS 456-2000
 - CONCRETE MIX USED GRADE M-20 (NOMINAL MIX 1:1.5:3)
 - LEAN CONCRETE MIX USED GRADE M-10 (NOMINAL MIX 1:3:6)
 - WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
 - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
 - 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 : 940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/Sq.M
 ANGLE OF REPOSE : 15 Degrees
 WATER TABLE : 0M TO 0.75M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

132KV D/C "DC+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - FS

SCALE

| DESCRIPTION | DRG NO | SHEET NO | REV. |
|-------------|--------|----------|------|
| DRAWN BY | | 1-1 | 0 |
| CHECKED BY | | | |
| APPROVED BY | | | |