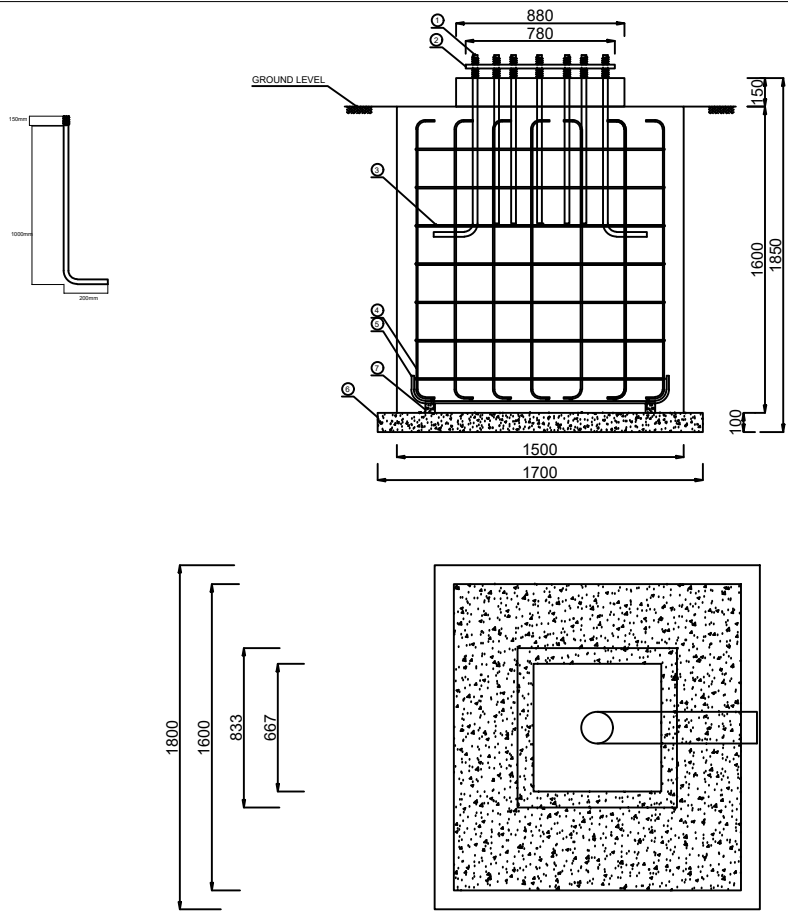


FOUNDATION-20m LIGHTING TOWER



NOTES :

1-BECAUSE NO DATA IS AVAILABLE FOR SOIL PROPERTIES , COHESION AND FRICTION ANGLE OF SOIL IS ASSUMED AS FOLLOW :

	DRAINED	UNDRAINED
COHESION (kg/cm ²)	0.25	0.5
FRICTION ANGLE (deg)	30	5

2-DRY DENSITY OF SOIL IS ASSUMED $\gamma = 1.85 \times 10^3$ (kg/cm³)

3-SOIL BEARING CAPACITY ASSUMED IN DESIGN IS EQUAL TO 1.5 kg/cm².

4-IF SOIL PROPERTIES ARE LOWER THAN ABOVE VALUE CONSULTANT DESIGNER SHALL BE ANNOUNCED BEFORE CONSTRUCTION WORK .

5-ALL REINFORCING BARS SHALL BE DEFORMED HIGH TENSILE STRENGTH STEEL BARS GRADE AIII , WITH A MINIMUM YIELD STRESS OF $F_y = 4000$ kg/cm².

6-MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MIX SHALL BE $R = 300$ kg/cm² AT 28 DAYS .

7-BACKFILL SOIL SHALL BE COMPACTED TO 98% DRY DENSITY ACCORDING TO AASHTO STANDARD

8-Type 5 cement

No.	Explanation
①	Bolt : 12 Ø25
②	Base Plate 780x780x20
③	Shear Rebar : Ø8 @200
④	Longitudinal Rebar :28 Ø16
⑤	Iron Mesh : 2X8 Ø 20
⑥	Lean mix : 150kg/m ³
⑦	Bar Support (Cont.)

All size in mm