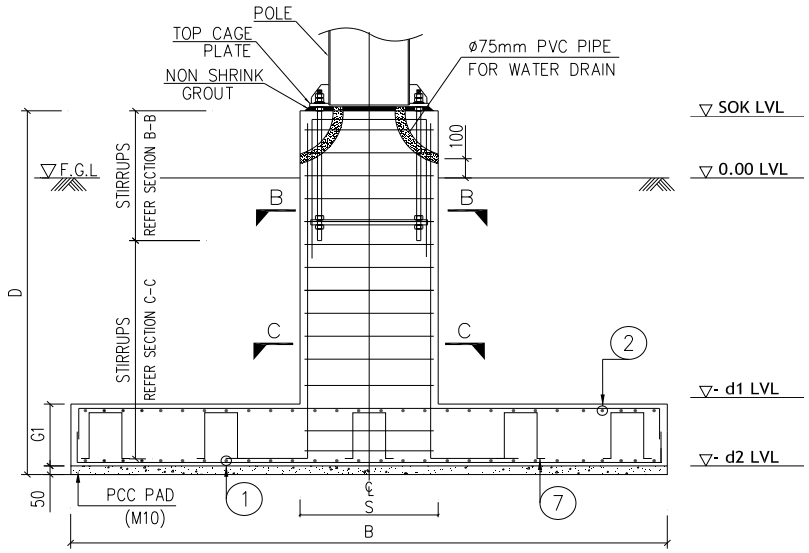
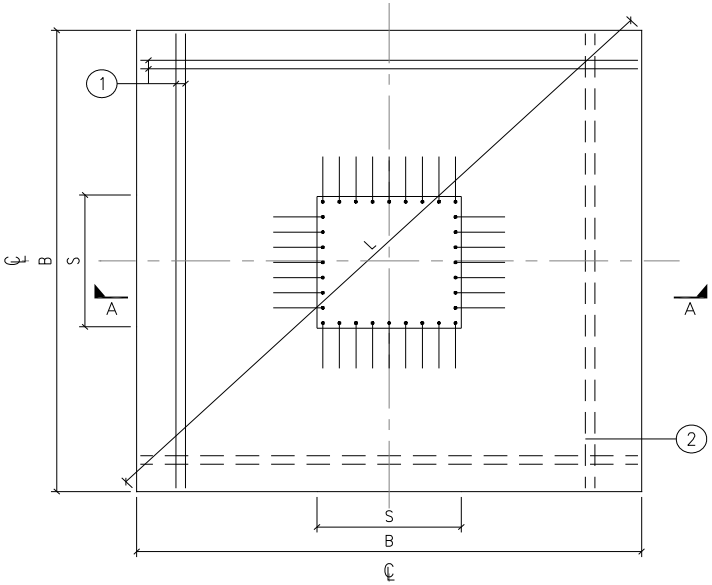
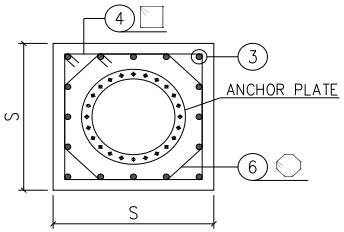


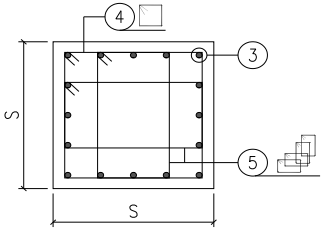
FOUNDATION DETAIL
(SECTION "A-A")



FOUNDATION PLAN
(SHOWING BOTTOM & TOP REINFORCEMENT DETAILS)



SECTION B-B



SECTION C-C

Dimensions	
L	3.041 m
B	2.15 m
S	0.8 m*
d1	1.40 m
d2	1.70 m
SOK lvl	0.5 m
X	195 mm
D	2.25 m
G1	0.3 m
section B-B	0.80 m
section C-C	1.33 m

* To be verified with actual base plate size

Notes:

Max. Permissible pole Reactions:

Horizontal Force = 1029 kg

Vertical Force = 834 kg

Overturning Moment = 7422 kg.m

Assumed parameters considered in foundation design:

Allowable Net safe bearing capacity (NSBC) ≥ 100 kN/m^2

Ground water level : Not Considered

Depth of foundation : 1.75m

Density of back filliing material ≥ 16 kN/m^3

Frustum angle ≥ 10 deg.

Reinforcement concrete :

Concrete strength. F'c = 20 MPa

Reinforcment strength fy = 415 MPa

Reinforcement cover = 50 mm

Foundation Quantity	
Concrete	2.61 Cum
PCC	0.24 Cum
Steel	216.4 kg
Excavation	12 cum