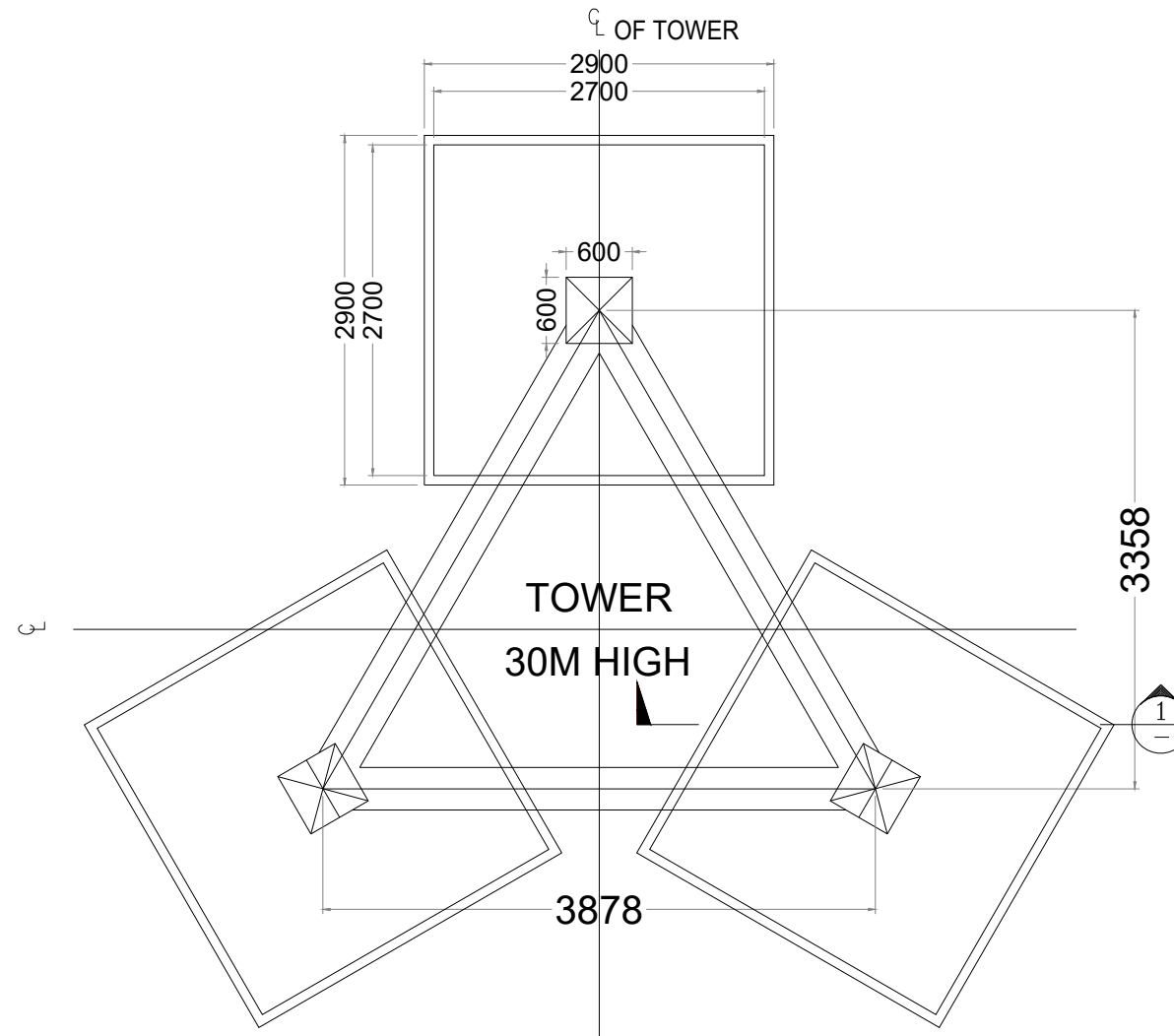
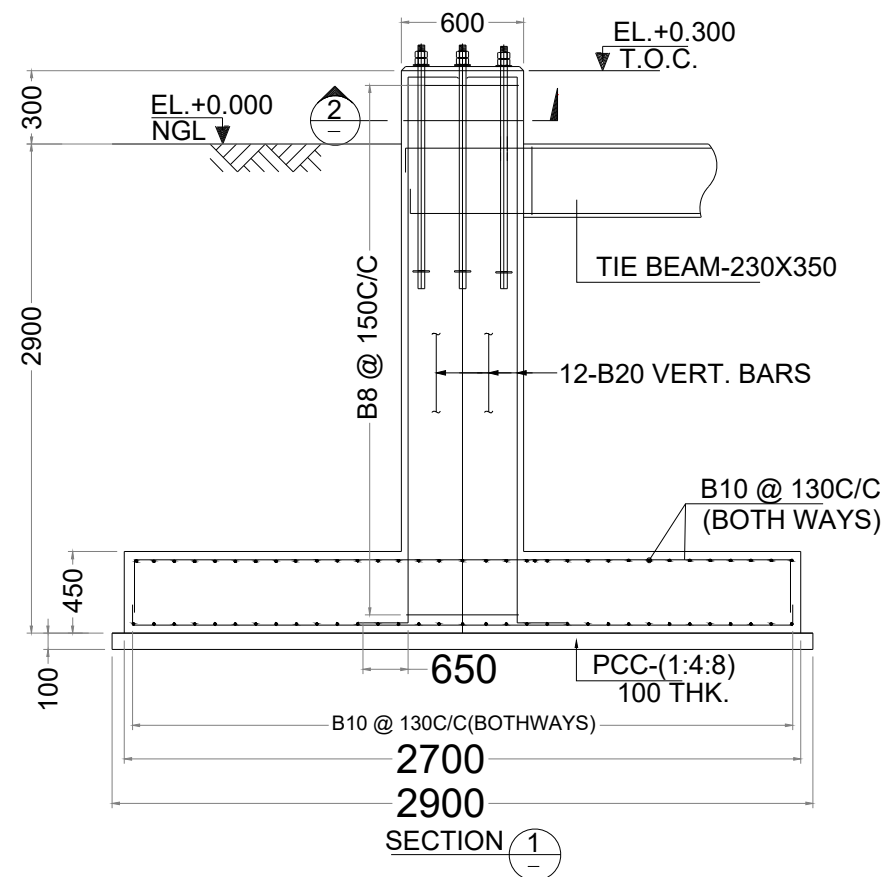
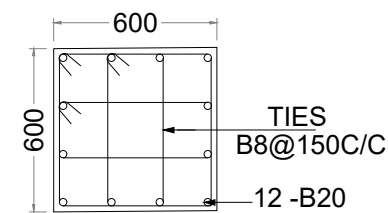
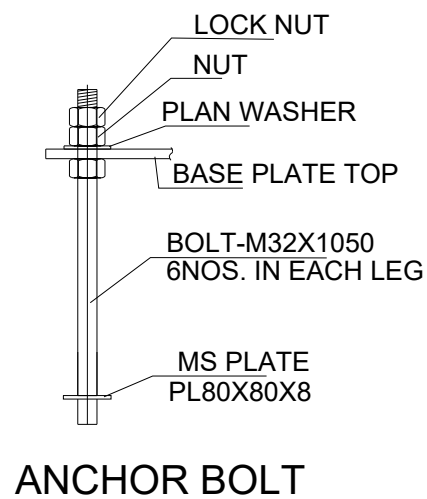


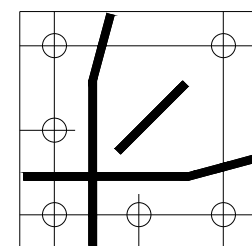


FOUNDATION KEY PLAN

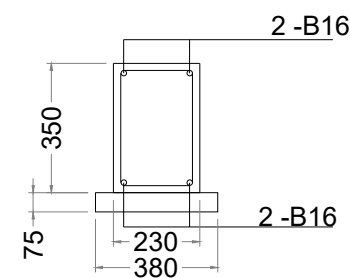
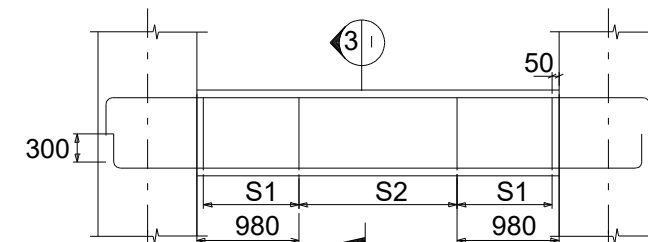


SECTION 2
—

COLUMN 600X600



BASE PLATE

SECTION 3
—

TIE BEAM (TYP DETAILS)

STIRRUP DETAILS
S1:-2 LEGGED Y8 @ 100 C/C
S2:-2 LEGGED Y8 @ 200 C/C

NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
2. USE M20 GRADE CONCRETE AND Fe 415 GRADE FOR STEEL.
3. CLEAR COVER TO MAIN REINFORCEMENT:-
 - (a) 50MM FOR FOUNDATION
 - (b) 25MM FOR BEAMS
 - (c) 40MM FOR COLUMNS
4. PRIOR TO AND DURING CONCRETING ALL BOLTS SHALL BE SECURELY HELD IN POSITION BY USE OF TEMPLATE.
5. BEFORE COMMENCEMENT OF CONSTRUCTION USING THIS DESIGN, CLIENT/CONTRACTOR SHALL CARRY OUT DETAILED SOIL INVESTIGATION OF EVERY SITE.
6. THIS FOUNDATION DESIGN SHALL NOT BE USED IN CASE HIGHLY SOIL ARE FOUND AT ANY DEPTH DURING SOIL INVESTIGATION.
7. CONCRETE SHALL BE MECHANICALLY MIXED & VIBRATED.
8. SPLICING OF BARS SHALL NOT BE MORE THAN 50% AT ANY LOCATION.
9. PROPER CURING OF CONCRETE SHALL BE DONE.
10. BENDING OF BARS SHALL BE AS PER IS:2502.
11. ANY DISCREPANCY SHOULD BE BROUGHT TO THE CONSULTANT'S ATTENTION.

GENERAL DETAILS

S.No	DESCRIPTION	DETAILS
1	SOIL BEARING CAPACITY	10.00 T/SQM
2	DRY DENSITY OF SOIL	1.8 T/SQM
3	ANGLE OF REPOSE	30.00 DEGREE

BILL OF MATERIALS

ITEM	UNIT	TOTAL
EXCAVATION	CUM	76.3
PCC-(1:4:8)	CUM	2.85
RCC-M20	CUM	13.6
STEEL-Fe415	KG	1200

CHAIRS SHALL BE PROVIDED WHEREEVER REQUIRED

REVISION NOTES

REV. NO.	DESCRIPTION		DATE	SIGN.
DRAWN	CHECKED	APPROVED	DATE	SCALE
S.K.Chauhan	MOHIT GUPTA	MOHIT GUPTA	25-01-2024	NTS

CLIENT:	BHUTAN TELECOM LTD. BHUTAN
---------	-------------------------------

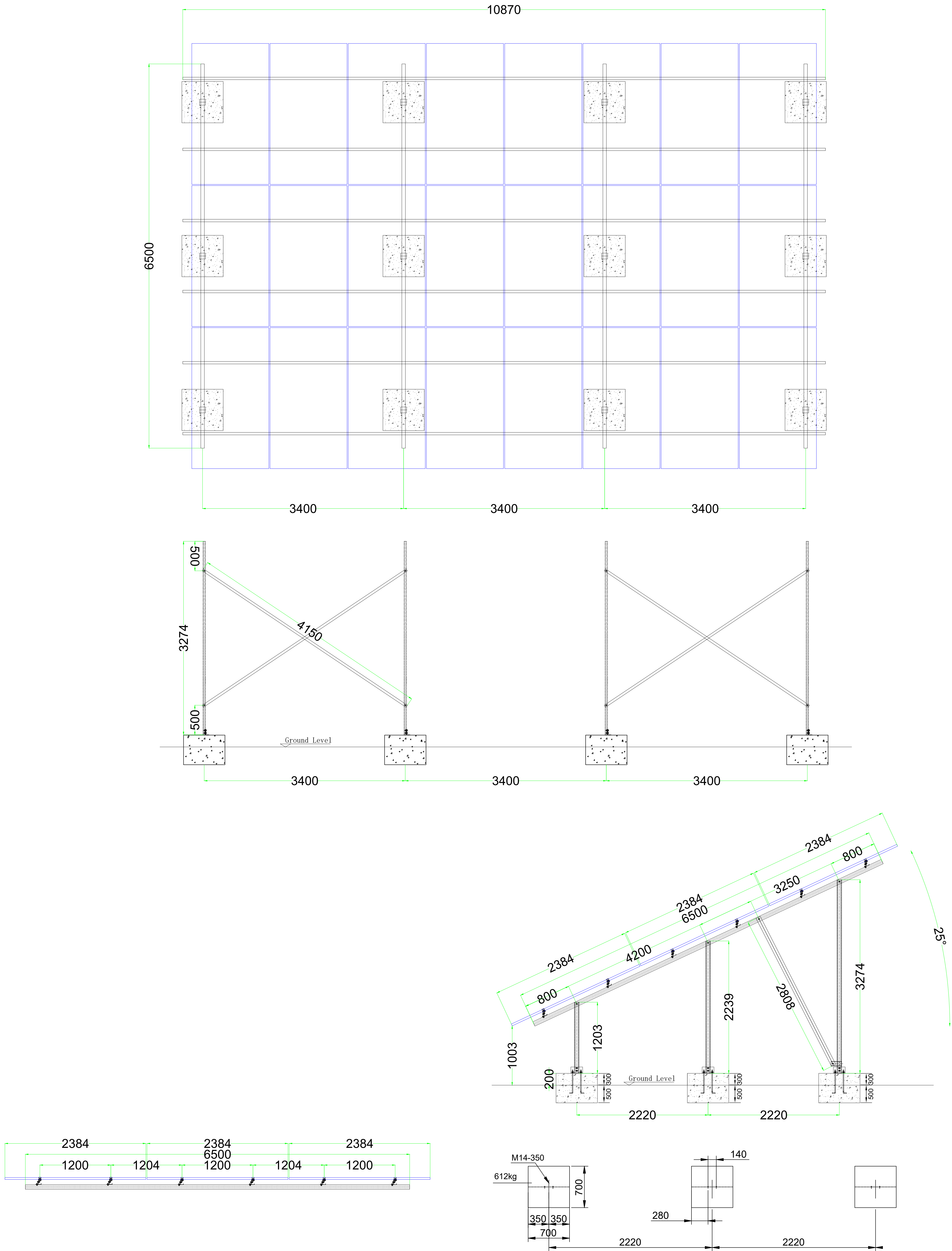
DESIGN BY: **ICON POWER SOLUTIONS PVT. LTD.**
GURGAON

PROJECT: GENERIC ISOLATED FOUNDATION DESIGN BHUTAN

TITLE :	FOUNDATION DETAILS FOR 30M HIGH TRIANGULAR TOWER
	SBC : 10 T/SQM

	DRAWING No.	SH. NO.	REV.
	AGD-438		

Simply Solar- NextGen Energy Solution



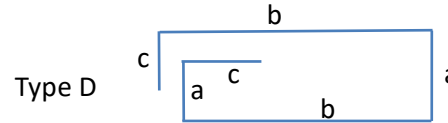
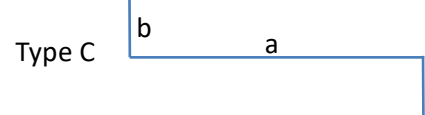
the foundation is PCC

Project Name				
Project Number	EPR-2502056			
Design Standard				
Design Conditions	Panel Size	2384x1303x33		
	Panel Capacity		Snow Load	1.4kn/m2
	Design Angle	25°	Wind Speed	42m/s
Designed		Chk' D		
Proofread		Appv' D		
Scale	1:1	View		
Page	2	Version	V1.0	A3

ICON POWER SOLUTIONS PVT LTD

112 113, Sector 5, IMT Manesar, Gurgaon -122050, Haryana - INDIA

30 Mtr 3L Tower Bar Bending Schedule



Cover Slab 50 mm

Column 40 mm

Beam 25 mm

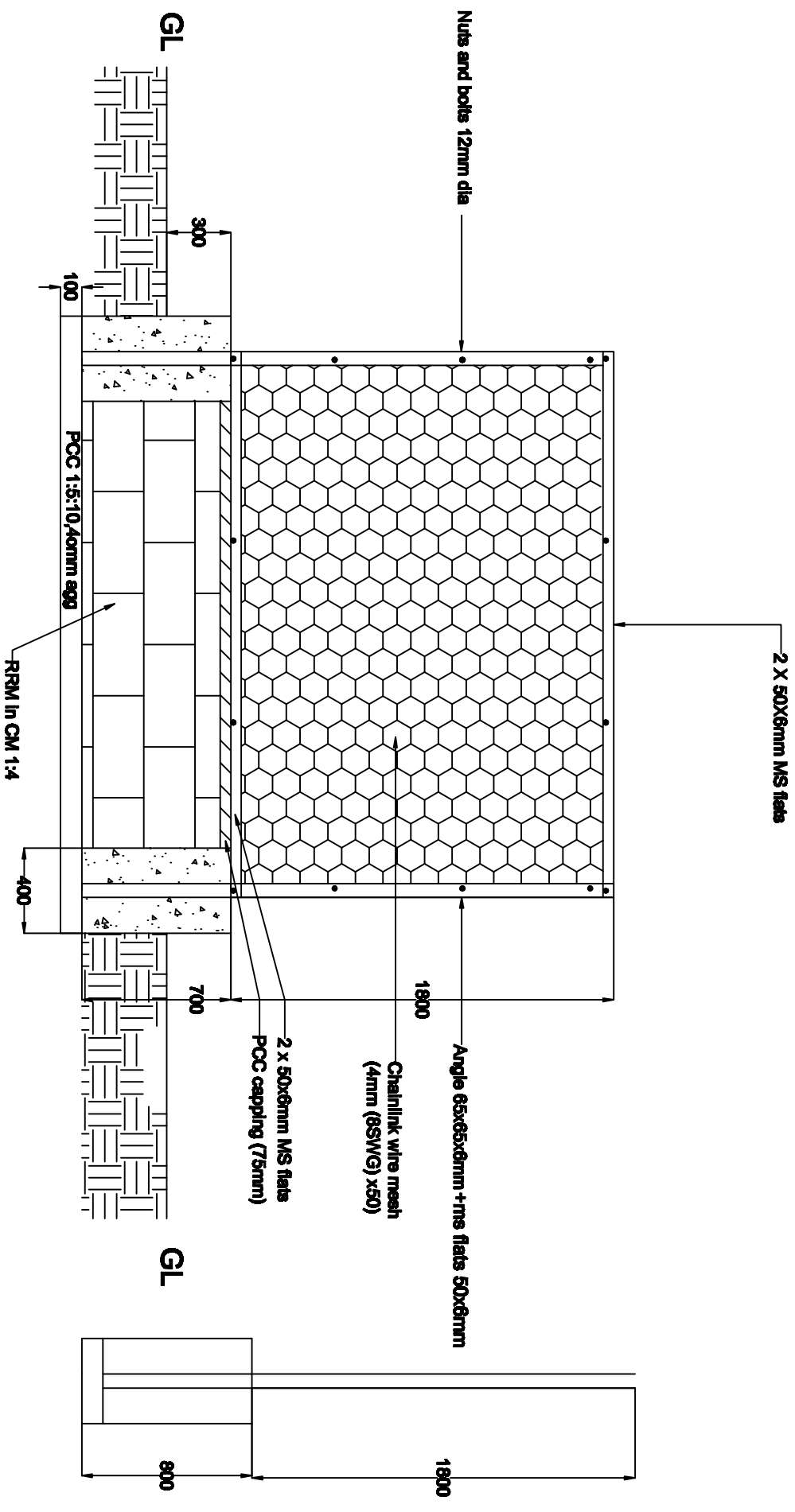
Item	Position	Type	Dia. Of Rebar	Size	Size	Size	Length	Qty in Nos both ways or total	Unit wt	Total Weight of
				a	b	c				
				(mm)	(mm)	(mm)				
Raft Slab	Top	B	B10	2600	300	-	3200	126	0.62	249.98
	Bottom	B	B10	2600	300	-	3200	126	0.62	249.98
Tie Beams	Top	B	B16	4378	300	-	4978	6	1.58	47.19
	Bottom	B	B16	4378	300	-	4978	6	1.58	47.19
	Strips	D	B8	180	300	80	1120	72	0.40	32.26
Column	Main	C	B20	3100	480	650	4230	36	2.47	376.13
	Ties	D	B8	512	512	80	2208	69	0.40	60.94
		D	B8	512	191	80	1566	132	0.40	82.68
						Total (Approx. 5% extra considered)				1200.00

* Chairs Shall be Provided whenever required

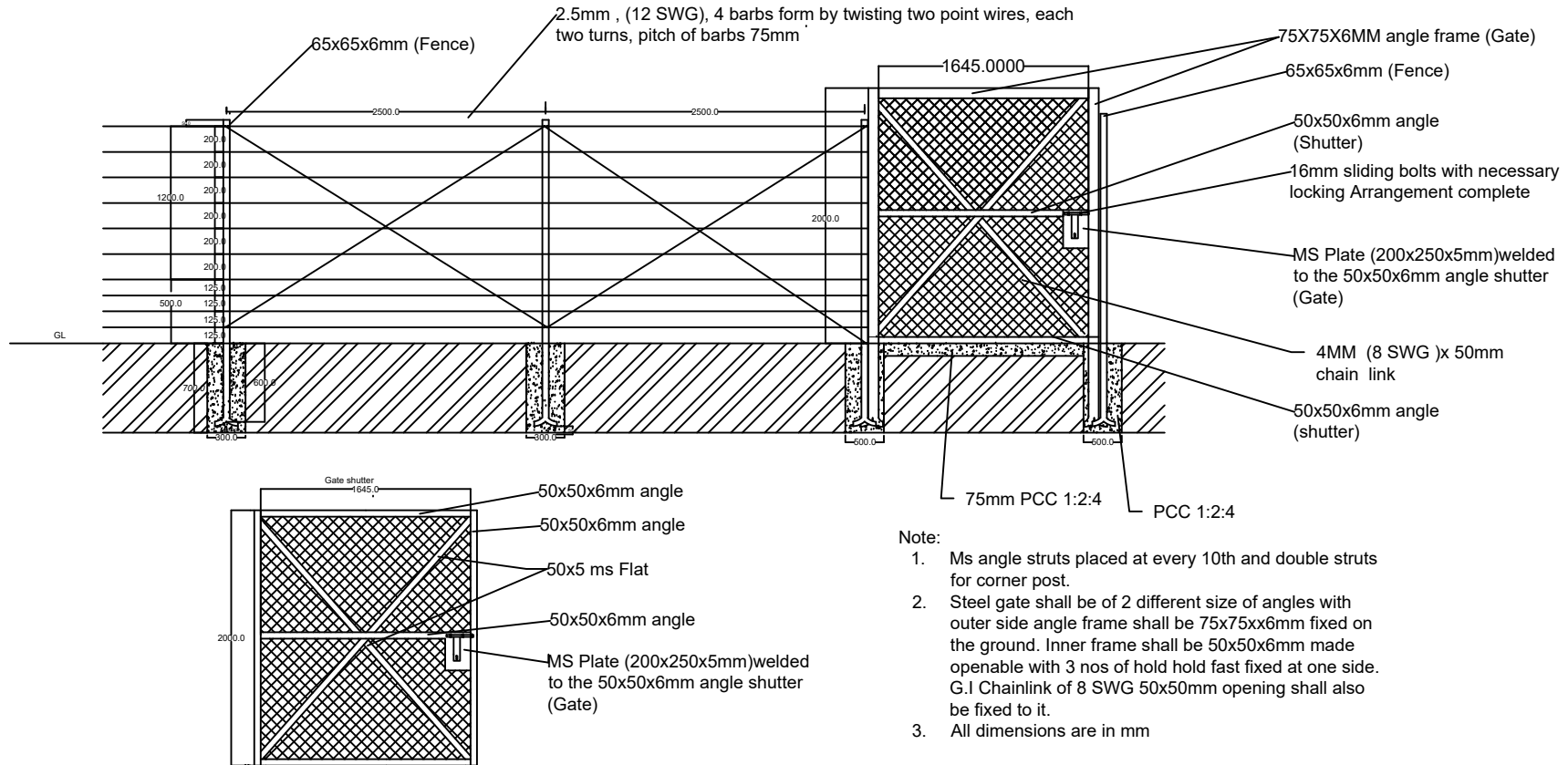
Notes :

1. Dimensions of Bars are along the Center Lines.
3. Splicing of Bars should not be more than 50%. Length of splice as per Standards.





BARBED WIRE FENCING AND GATE DRAWING

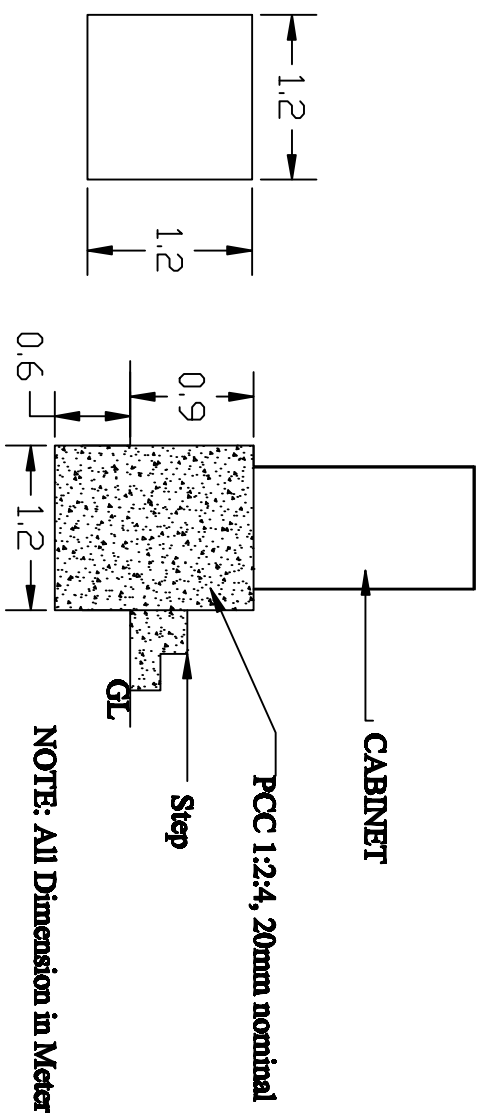


Title : Barbed wire fencing

BHUTAN TELECOM LIMITED

Checked by:

Approved by:



CABINET STAND FOR HIGH ALTITUDE