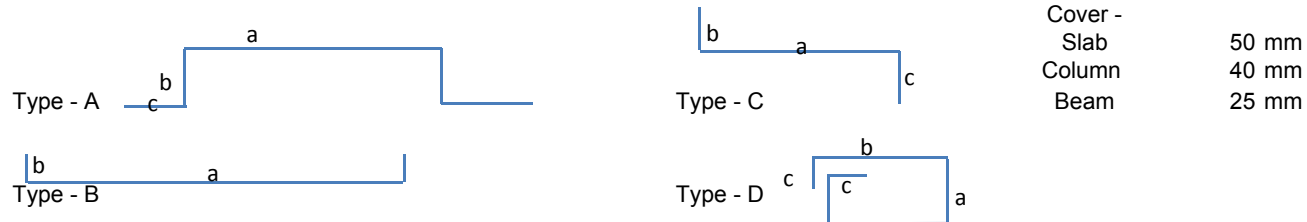


Bar Bending Schedule of 30m high 3legged tower

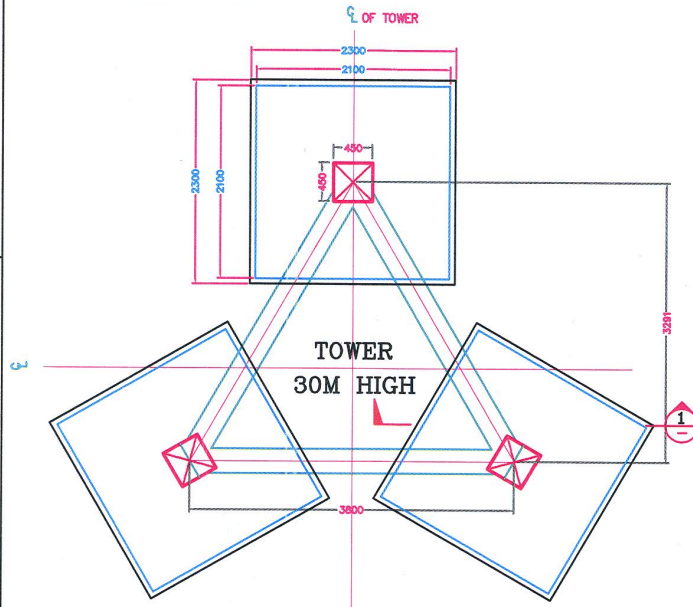


Item	Position	Type	Dia. Of Rebar (mm)	Size a (mm)	Size b (mm)	Size c (mm)	Length (mm)	Qty in Nos both ways or total	Unit wt (kg/m)	Total Weight of (kg)
Raft Slab	Top	B	B10	2250	150	-	2550	78	0.62	119
	Bottom	B	B10	2250	150	-	2550	96	0.62	146
Tie Beams	Top	B	B12	4150	300	-	4750	6	0.89	24
	Bottom	B	B12	4150	300	-	4750	6	0.89	24
	Strips	D	B8	250	250	80	1160	75	0.40	32
Column	Main	C	B25	3200	325	700	4225	24	3.86	387
	Ties	D	B8	342	342	80	1528	69	0.40	39
		D	B8	242	242	80	1128	69	0.40	29
								Total		800

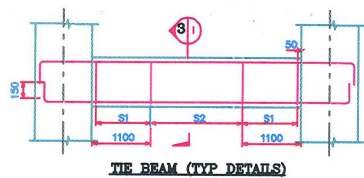
* Chairs Shall be Provided whenever required

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.

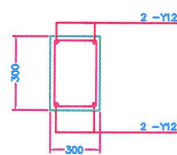


FOUNDATION KEY PLAN

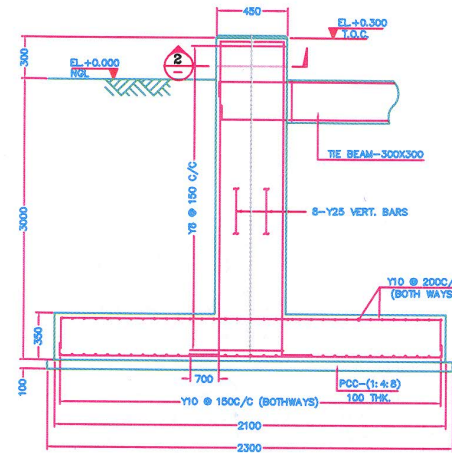


TIE BEAM (TYP DETAILS)

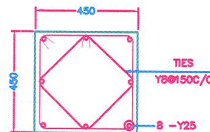
STIRRUP DETAILS
S1:-2 LEGGED Y8 @ 100 C/C
S2:-2 LEGGED Y8 @ 200 C/C



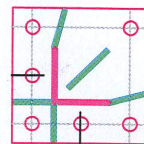
SECTION 3-3



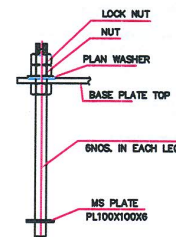
SECTION 1-1



SECTION 2-2
COLUMN 450X450



BASE PLATE



ANCHOR BOLT

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 (d) 50MM AT ENDS
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.

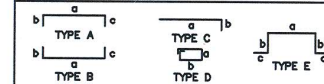
GENERAL DETAILS

S.No	DESCRIPTION	DETAILS
1	SOIL BEARING CAPACITY	10.00 T/SQM
2	DRY DENSITY OF SOIL	1.75 T/SQM
3	ANGLE OF REPOSE	25.00 DEGREE

BILL OF MATERIALS

ITEM	UNIT	TOTAL
EXCAVATION	CUM	55.8
PCC-(1:4:8)	CUM	2.1
RCC-M20	CUM	7.5
STEEL-Fe415	KG	800
CHAIRS SHALL BE PROVIDED WHEREVER REQUIRED		

BAR BENDING SCHEDULE



REVISION NOTES

REV. NO.	DESCRIPTION	DATE	SIGN.
DRAWN	CHECKED	APPROVED	DATE
S.K.Chauhan	MOHIT GUPTA	MOHIT GUPTA	11-01-2021

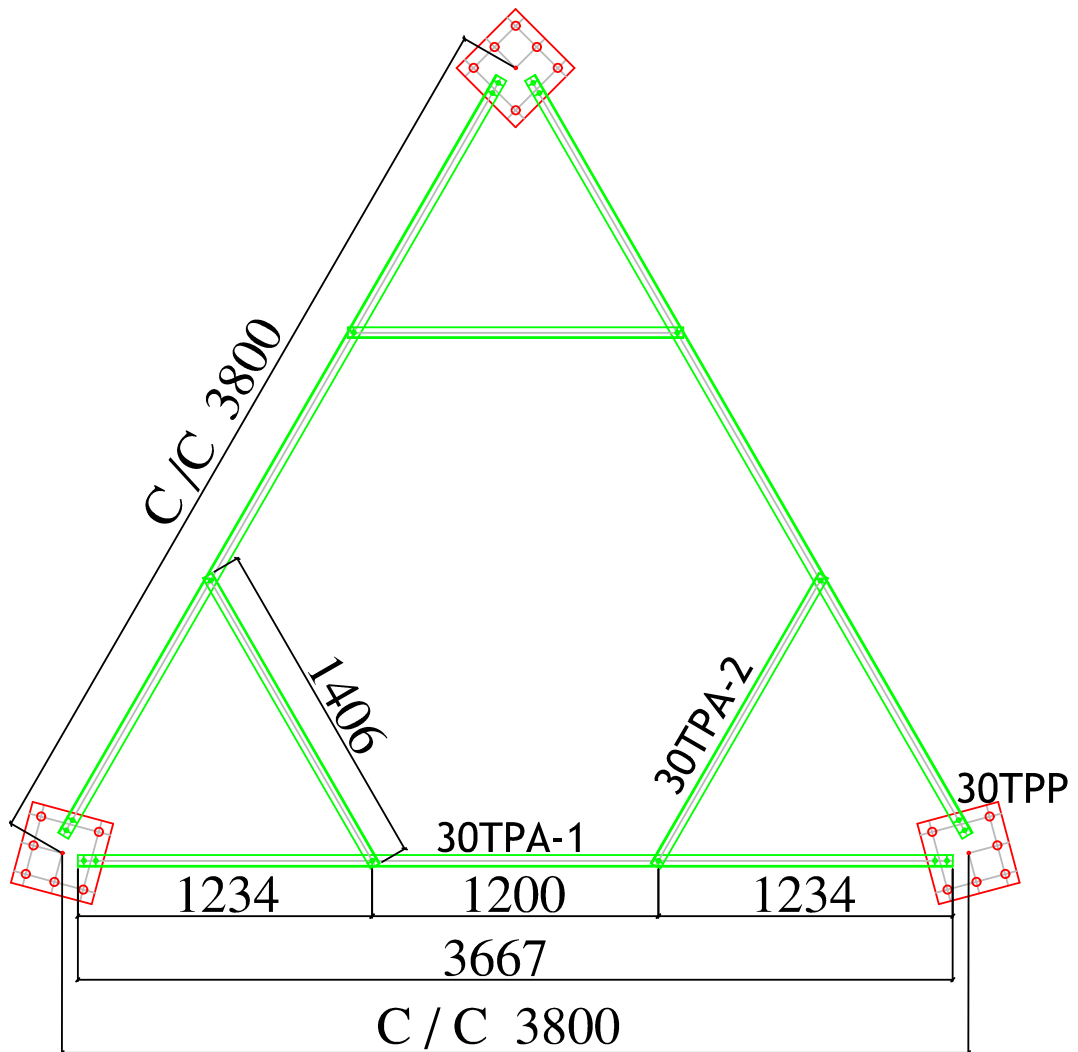
CLIENT: **BHUTAN TELECOM LTD.**
BHUTAN

DESIGN BY: **ICON POWER SOLUTIONS PVT. LTD.**
THIMPU, BHUTAN

PROJECT: **GENERIC ISOLATED FOUNDATION DESIGN**
BHUTAN

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

DRAWING No.	SH. NO.	REV.
AGD-319		

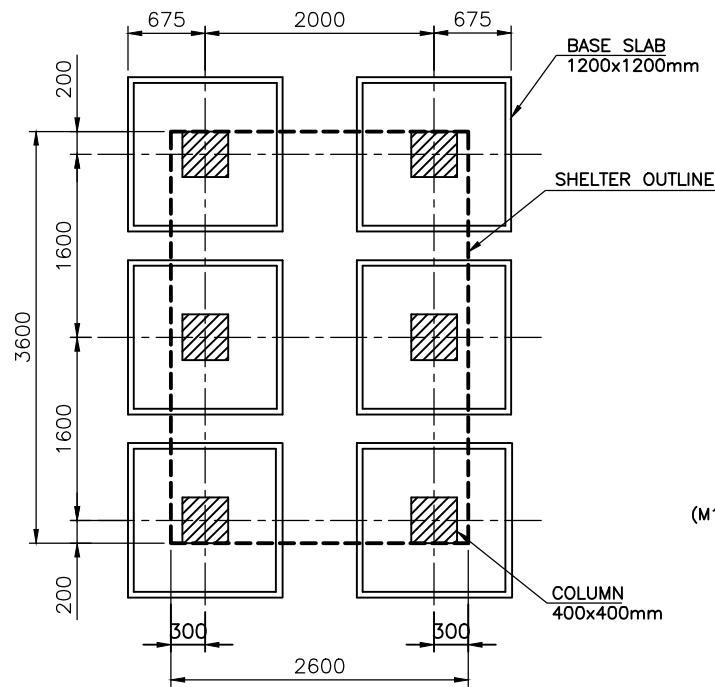


TEMPLATE FOR 30M TRIANGULAR TOWER

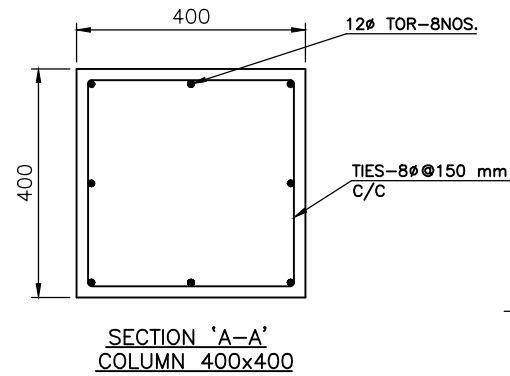
ALL DIMENSIONS ARE IN MM

ICON POWER SOLUTIONS PVT. LTD.	TITLE 30METER TRIANGULAR TOWER	AGD-319
GURGAON	Client BHUTAN TELECOM LTD BHUTAN	Drawn By S.K.Chauhan

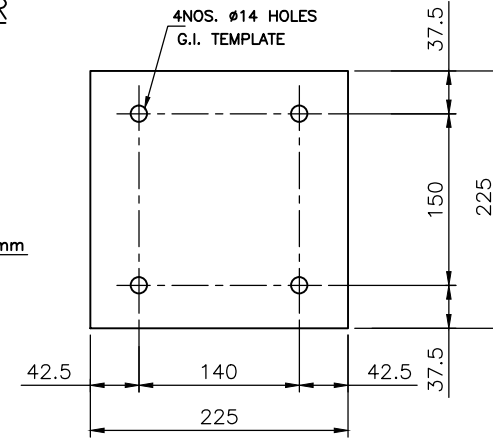
FOUNDATION DETAILS FOR PREFAB SHELTER **GROUND BASED SHELTER**



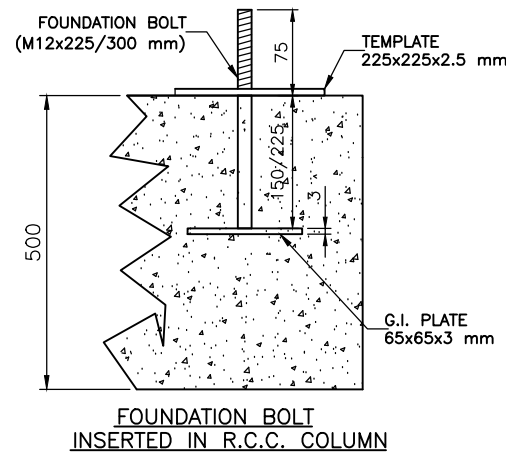
LAYOUT PLAN



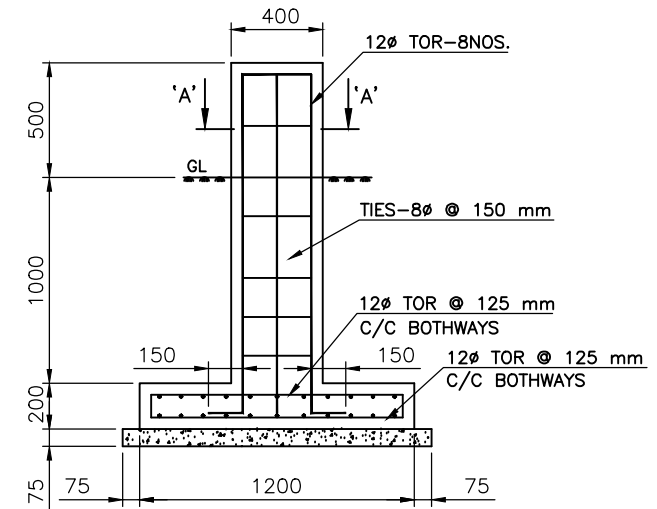
SECTION 'A-A'
COLUMN 400x400



TEMPLATE 225x225x2.5 mm



FOUNDATION BOLT
INSERTED IN R.C.C. COLUMN



CROSS SECTION
(SCALE 2:1)

NOTES :-

1. PCC SHALL BE OF GRADE M10.
2. CONCRETE MIX SHALL BE OF GRADE M20 (1:1.5:3)
3. REINFORCEMENT SHALL BE TOR BARS OF GRADE FE415

REV. NO.	DATE	DESCRIPTION OF CHANGE	CHECKED BY :	APPROVED BY :
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CAUTION : THIS DRG IS PROPERTY OF ZIL ANY REPRODUCTION OF THIS IN PART OR FULL WITHOUT
AUTHORIZATION BY ZIL WOULD BE LIABLE FOR LEGAL ACTION.

ZEP INFRATECH LIMITED		
PROJECT: I-2	DRAWN BY: Shiv kr.	SIG. & DATE: 08/04/15
TITLE: FOUNDATION DRG - GROUND BASED (SIZE: 3.6x2.6x2.5 M)	CHECKED BY: Shiv kr.	
	APPROVED BY: R. Chauhan	
	CUSTOMER'S APPR:	
DRG. NO. : VND IPS 3 02 2221	FILE NAME: //D/DWG/MKT. DRG./CON/FOUNDATION 3.6x2.6x2.5 M	
REV : 00	SHEET : 2 OF 2	SCALE : N.T.S.
		 