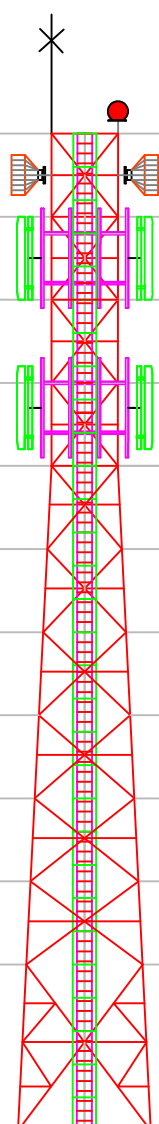


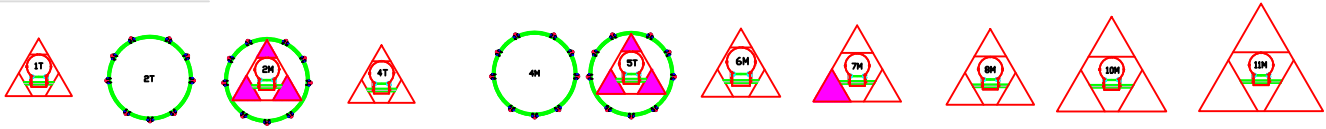
LEVEL	FACE WIDTH	PLATFORM
30000	2000	
27500	2000	
25000	2000	Working Platform
22500	2000	
20000	2000	Working Platform
17500	2250	
15000	2500	
12500	2750	Rest Platform
10000	3000	
7500	3250	
5000	3500	
0000	4000	30 Mtr

LEG JOINT NAME	LEG LENGTH	LEGS SIZE
A	2500	65x65x6
B	2500	75x75x6
C	2500	100x100x10
D	2503	120x120x10
E	2503	130x130x12
F	2503	150x150x12
G	5006	

PANEL NO	LENGTH (METER)	DIAGONALS	PANEL TOP- HORIZONTALS	PANEL MID- HORIZONTALS	PLAN BRACING	SEC. BRACING
1	2.5	50x50x4	50x50x4	45x45x04	45x45x04	45x45x4
2	2.5	50x50x4	50x50x4	45x45x04	45x45x04	
3	2.5	55x5	50x50x4	45x45x04	45x45x04	
4	2.5	60x60x5	50x50x4	45x45x04	45x45x04	
5	2.5	50x5	50x50x4	50x50x4	50x50x4	
6	2.5	50x5	50x50x4	50x50x4	50x50x4	
7	2.5	50x50x5	50x50x4	50x50x4	50x50x4	
8	2.5	50x50x5	50x50x4	50x50x4	50x50x4	
9	2.5	55x55x5	50x50x4	50x50x4	50x50x4	
10	2.5	50x50x4	50x50x4	50x50x4	50x50x4	
11	5	65x65x6	50x50x4	50x50x4	50x50x4	45x45x4



PLAN VIEWS



1)Remote Radio Head-9nos (Total Weight 245kgs.)	TITLE	30 METER TOWER	Wind Speed	180 KMPH	Design	TIA/EIA-222 G
2)Sectoral Antennas -9nos (Total Weight 215kgs.)	SUB. TITLE	TRIANGULAR ANGULAR TOWER	Deflection	< 1.0 Degree	Rev:	
3)Microwave Antennas 0.6m-2nos (Total Weight 50kgs.)	Drawing	BT - 2024 Project	Loading	935 kgs.	Drawn Date	08-12-2023
4)Microwave Antennas 0.9m-2nos (Total Weight 60kgs.)	BHUTAN TELECOM LTD		Tower Weight 5750 kgs.			
5)Microwave Antennas 1.2m-2nos (Total Weight 60kgs.)						
6)Microwave Antennas 1.8m-1nos (Total Weight 40kgs.)						
7)Antennas Mounting Structure (Total Weight 270kgs.)						

- NOTES**
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
 - USE M20 GRADE CONCRETE AND F_y 500 GRADE FOR STEEL.
 - CLEAR COVER TO MAIN REINFORCEMENT:—
(a) 50MM FOR FOUNDATION (b) 25MM FOR BEAMS
(c) 40MM FOR COLUMNS
 - PRIOR TO AND DURING CONCRETING ALL BOLTS SHALL BE SECURELY HELD IN POSITION BY USE OF TEMPLATE.
 - BEFORE COMMENCEMENT OF CONSTRUCTION USING THIS DESIGN, CLIENT/CONTRACTOR SHALL CARRY OUT DETAILED SOIL INVESTIGATION OF EVERY SITE.
 - THIS FOUNDATION DESIGN SHALL NOT BE USED IN CASE HIGHLY SOIL ARE FOUND AT ANY DEPTH DURING SOIL INVESTIGATION.
 - CONCRETE SHALL BE MECHANICALLY MIXED & VIBRATED.
 - SPLICING OF BARS SHALL NOT BE MORE THAN 50% AT ANY LOCATION.
 - PROPER CURING OF CONCRETE SHALL BE DONE.
 - BENDING OF BARS SHALL BE AS PER IS:2502.
 - ANY DISCREPANCY SHOULD BE BROUGHT TO THE CONSULTANTS' ATTENTION.

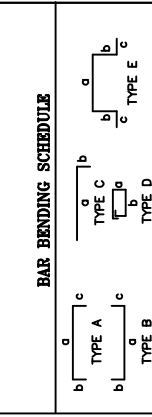
GENERAL DETAILS

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-F _y 500	KG	1200

CHAIRS SHALL BE PROVIDED WHEREVER REQUIRED



REVISION NOTES

REV. NO.	DESCRIPTION	DATE	SIGN.
DRAWN	CHECKED	APPROVED	DATE
Scale	Scale	Scale	Scale

Shutun Telecom | Bhutan Telecom | 14-12-2023 | NTS

CLIENT: BHUTAN TELECOM LTD.

DESIGN BY: BHUTAN TELECOM LTD.

PROJECT: GENERIC ISOLATED FOUNDATION DESIGN
BHUTAN

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

DRAWING No. SH. NO. REV.

BT-2024 Project

