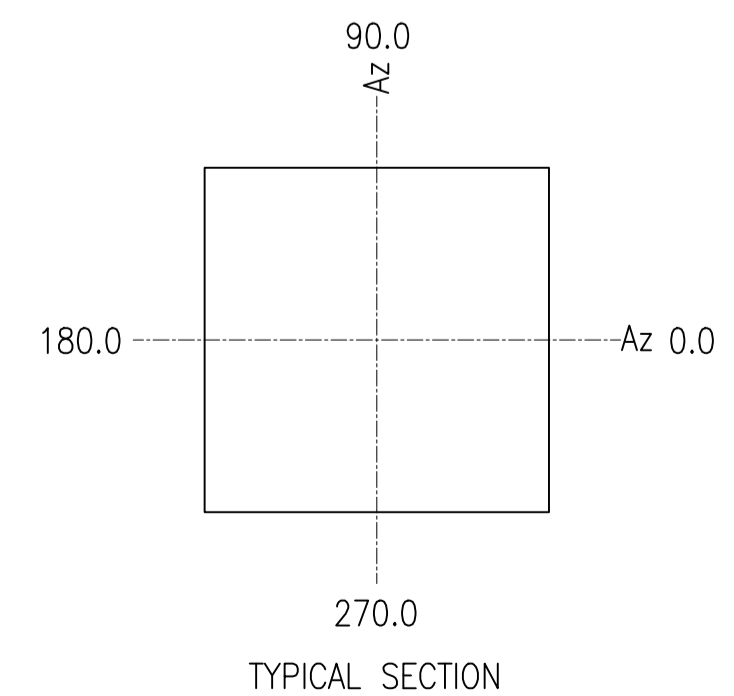
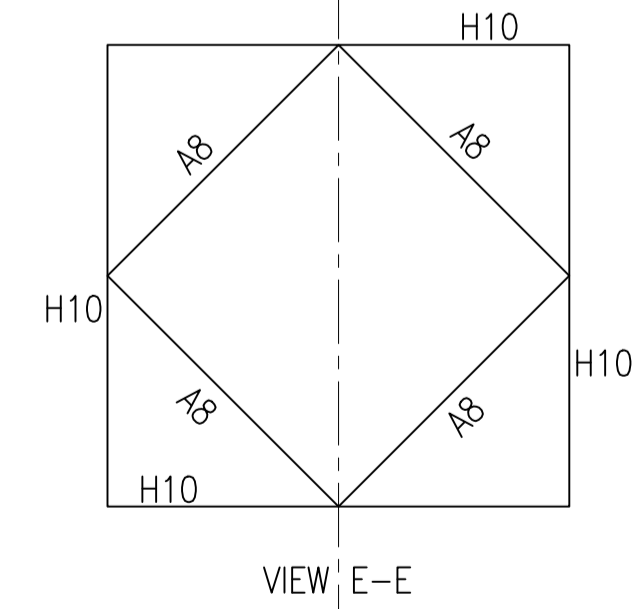
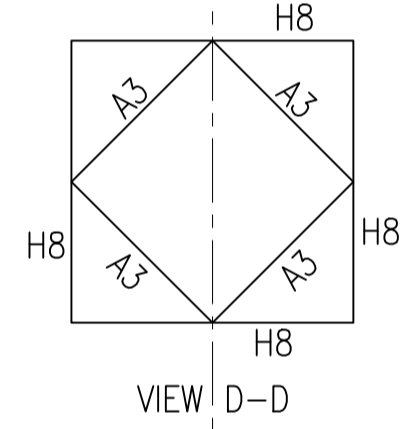
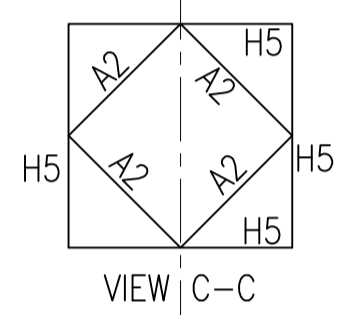
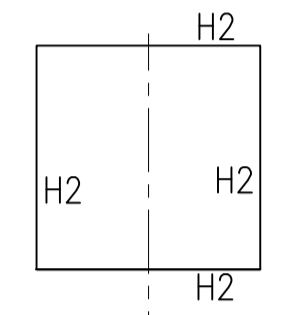
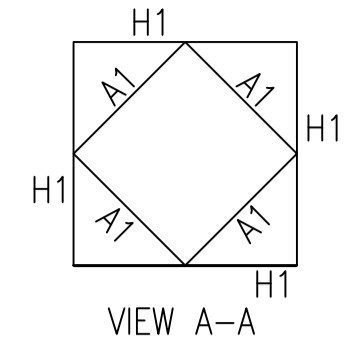


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SECTION NO.	1	2	3	4
SECTION NAME	L1	L2	L3	L4
PANEL TYPE	Straight Sec	Tapered	Tapered	Tapered
PANEL HEIGHT	5,1	5,59	2,12	2,26
LEGS	90X90X6	100X100X8	100X100X8	100X100X8
DIAGONALS	50X50X4, 60X60X4	50X50X4	60X60X4	80X80X6
HORIZONTALS	50X50X4, 60X60X4	65X50X6, 60X60X4	65X50X6	



WORKING PLATFORM	
POS	EL(m)
1	8
2	13

1 DESIGN NOTES	
DESIGN STANDARD : TIA 222 - G	
BASIC WIND SPEED IS 40m/s(3 - SEC GUST)	
WIND LOAD FACTOR FOR SERVICEABILITY LIMIT STATE : 1	
WIND LOAD FACTOR FOR ULTIMATE LIMIT STATE : 1.6	
TOPOGRAPHY : 1	
EXPOSURE CAT : C	
STRUCTURE CLASS : II	
SITE ALTITUDE : 734 m	
MEAN WIND RETURN : 1 : 50	
ARTIFICIAL BASE HEIGHT : 0m	
MAXIMUM DEFLECTION : AS PER TIA 222 - G	
2 MATERIAL	
GRADE FOR ALL TOWER MEMBERS : S355JR	
GRADE FOR ALL BOLTS : 8.8	
GRADE FOR ALL NUTS : 8	
GRADE FOR ALL WASHERS: S275JR	
GRADE FOR ANCHORING BOLTS: 4.6	
3 ANNTENA AND TRANSMISSION LINES:	
AS PER CLIENT SPECIFICATION, SEE LOADING TABLE IN DRAWING	
FEEDER, CAT LADDER & WAVE GUIDE : AS PER ESKOM SPECIFICATION	
4 FUTURE LOADING	
AS LISTED	

- GENERAL NOTES:
- ALL BOLTS TO BE M16.
  - ALL DIMENSIONS ARE ON THE CENTROID.
  - REDUNDANT MEMBERS SHORTER THAN 1500mm USE 45x45x3 WITH ONE BOLT.
  - REDUNDANT MEMBERS LONGER THAN 1500mm BUT LESS THAN 2000mm USE 50x50x4 WITH ONE BOLT.
  - UNEQUAL MEMBERS TO BE SHORT BOLTED.

COMBINATIONS OF STANDARD BASIC CUTS		STANDARD BASIC CUTS	
C.T. AND C.O.	CLIP TOE = C.T.	C.T. AND B.C.	BLOCK AND CUT = B.C.
B.C. AND C.O.	CUT OUTSIDE LEG = C.O.	C.T. B.C. AND C.O.	CUT AND FLUSH = C.F.

5					
4					
3					
2					
1	K. GASA	21/06/2020	ADDED WORKING PLATFORM TABLE	NM	NM
0	K. GASA	18/06/2020	FIRST ISSUE	NM	NM
REV	DRAWN BY:	DATE:		AUTH. BY	CHKD.
CLIENT:			TITLE:		
Eskom			15m TOWER OUTLINE Paradise SS		
DRAWN: K. GASA		DATE: 18/06/2020		CHECKED: N. MUTHADI	
SCALE: 1 : 50		APPROVED: N. MUTHADI		DRAWING No. 15m	
				SHEET 1 OF 1	REV 1

