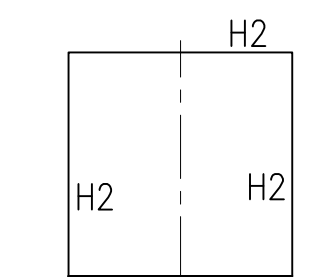
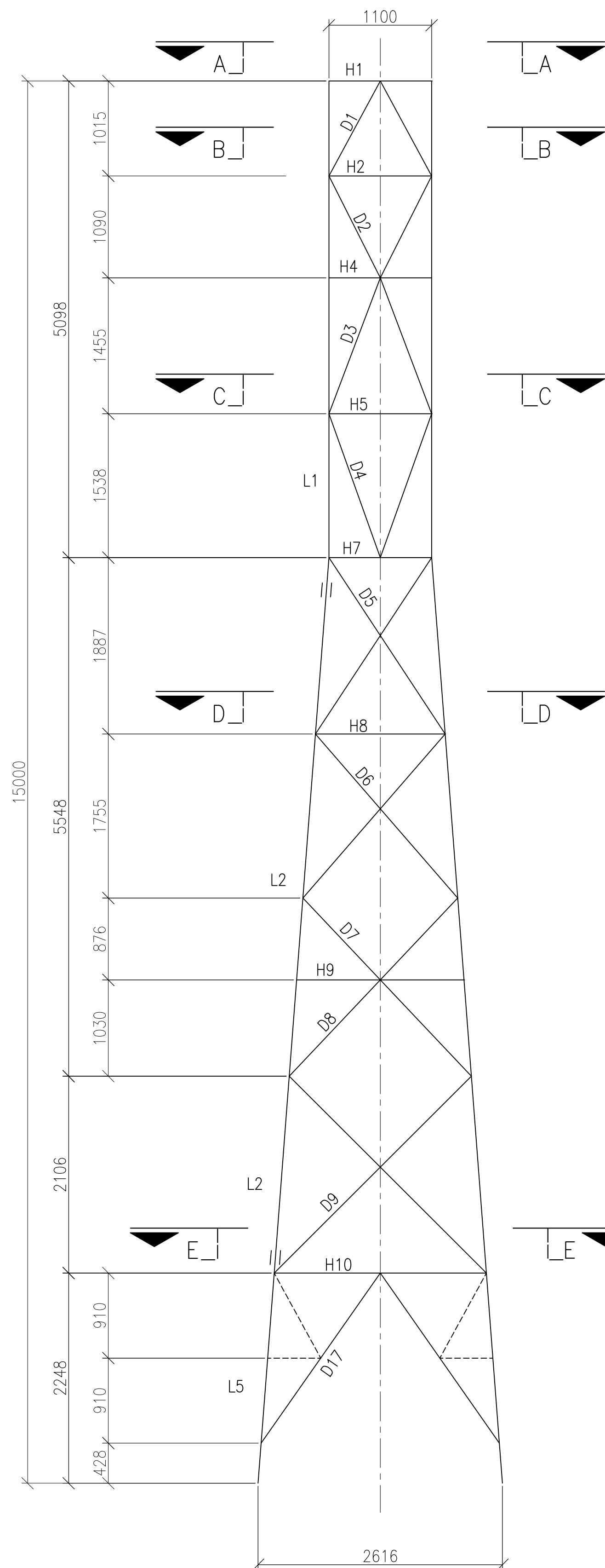
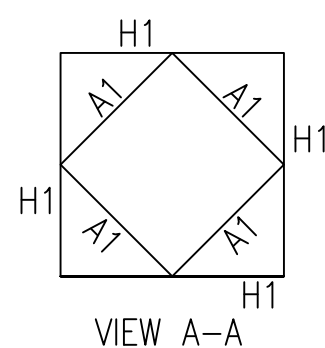
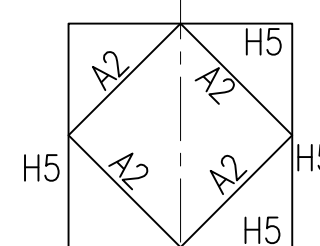


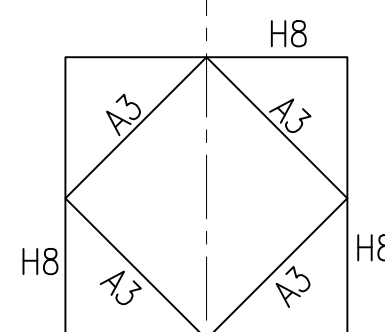
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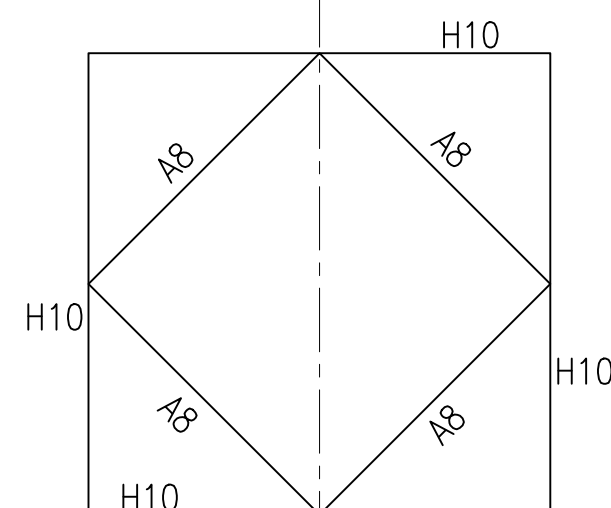
VIEW B-B



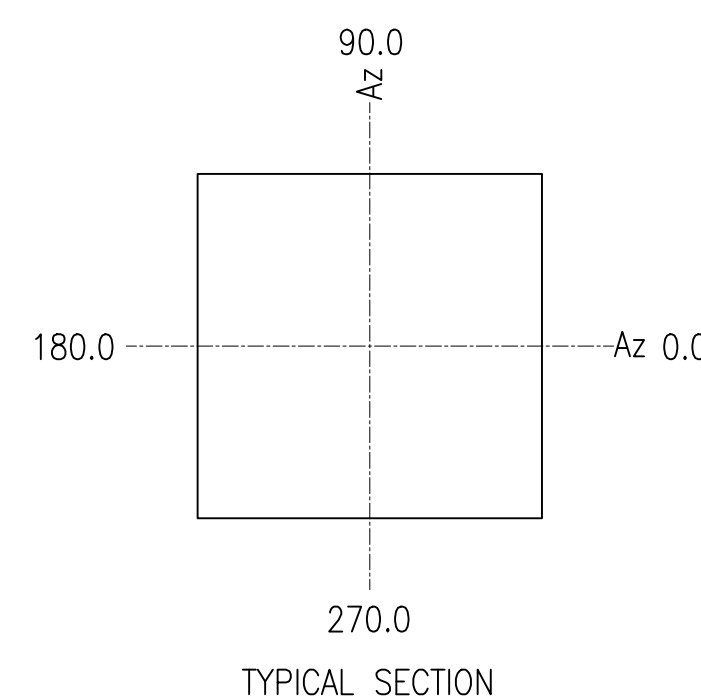
VIEW | C-C



VIEW | D-D



VIEW: E-E



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

WORKING PLATFORM	
POS	EL(m)
1	8
2	13


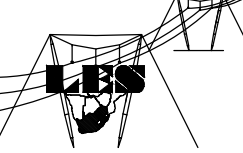
ANTENNA LOADING CHART						
POS	LOAD	HEIGHT	SIZE (m <sup>2</sup> )	QTY	AZIMUTH	STATUS
1	7Ghz 1.2m	15	1,131	1	90	P
2	7Ghz 0.9m	15	0,636	1	90	F

STATUS: E-EXISTING, F-FUTURE, P-PROPOSED

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 : 1150 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	ANTENNA 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:

1. ALL BOLTS TO BE M16.
2. ALL DIMENSIONS ARE ON THE CENTROID.
3. REDUNDANT MEMBERS SHORTER THAN 1500mm USE 45x45x3 WITH ONE BOLT.
4. REDUNDANT MEMBERS LONGER THAN 1500mm BUT LESS THAN 2000mm USE 50x50x4 WITH ONE BOLT.
5. UNEQUAL MEMBERS TO BE SHORT BOLTED.

		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
						TITLE:		
		 				<p>15m TOWER OUTLINE KLIPGAT SS</p>		
		DRAWN: K. GASA		DATE: 18/06/2020		CHECKED: N. MUTHADI		DRAWING No.
		SCALE: 1 : 50				APPROVED: N. MUTHADI		15m
								SHEET OF 1
								1