
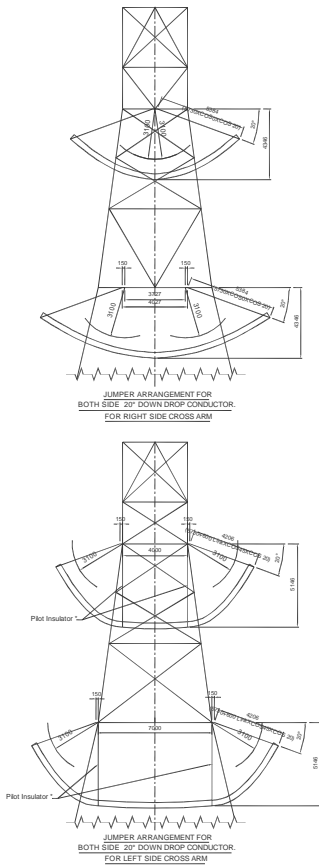
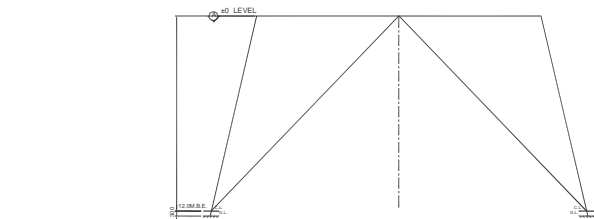
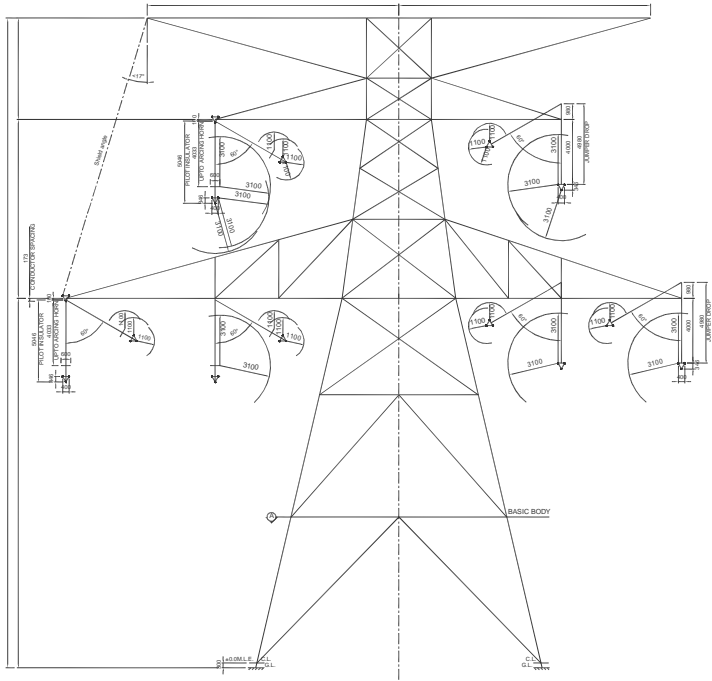
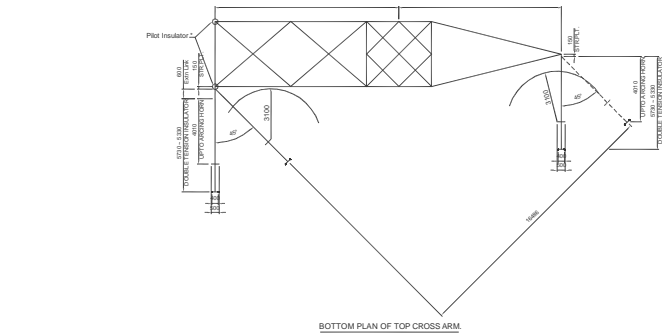
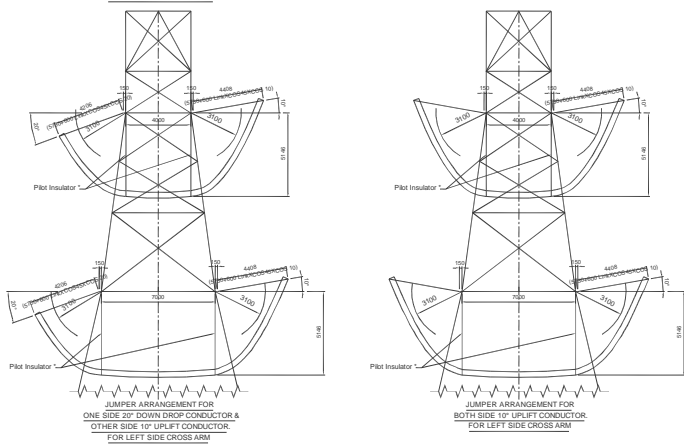
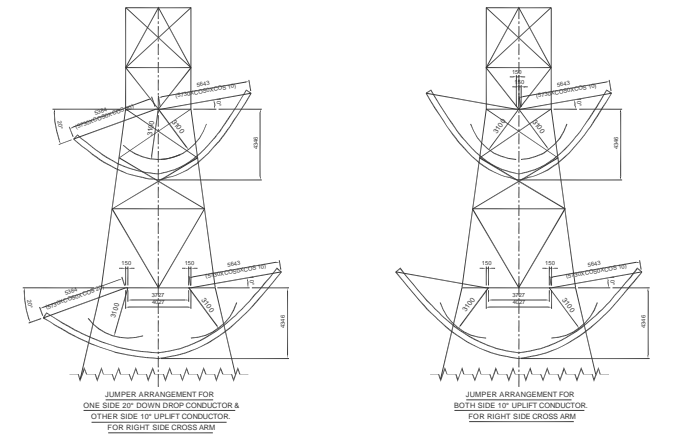
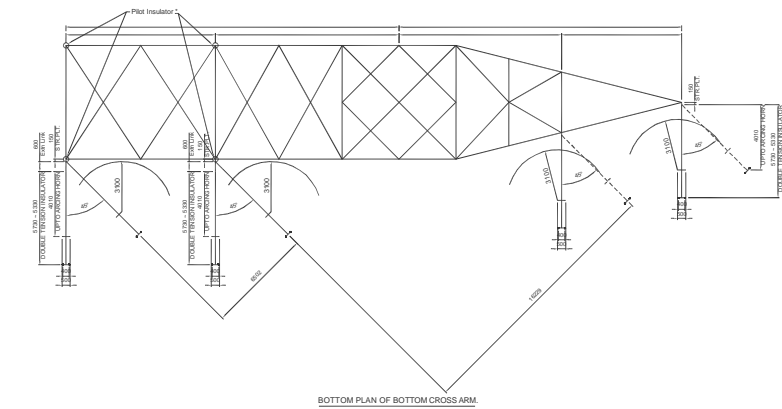


GENERAL NOTES:


- 1- TOWER MUST BE DESIGNED ACCORDING TO KENYA ELECTRICITY TRANSMISSION COMPANY LTD REQUIREMENTS.
- 2- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 3- TOWER STRUCTURE MUST BE DESIGNED FOR ALL CONFIGURATION OF BODY EXTENSIONS AND EQUAL AND UNEQUAL LEG EXTENSIONS.
- 4- USE SQUARE BASE AND SQUARE WAIST FOR TOWER DESIGNING.
- 5- WEB BRACING SHALL BE TENSION-COMPRESSION OR A COMBINATION OF BOTH.
- 6- USE HORIZONTAL DIAPHRAGM (PLAN BRACING SYSTEM) AT THE BOTTOM OF BASIC BODY , BOTTOM OF BODY EXTENSIONS, OR ANYWHERE REQUIRED ON THE TOWER.
- 7- 'X' - CONDUCTOR SHIFT
- 8- CLEARANCE DIMENSIONS SHOWN ON THIS DRAWING ARE MINIMUM TO BE CONSIDERED BETWEEN THE NEAREST POINT OF CONDUCTOR HARDWARE AND SURFACE OF THE TOWER BODY.
- 9- TOWER STRUCTURE MUST BE DESIGNED ACCORDING TO ASCE 10-97 STANDARD.
- 10- LOCAL BENDING MOMENT MUST BE CONSIDERED ON TOWER DESIGN ACCORDING TO ASCE 10-97 STANDARD.
- 11- TOWER STEEL MATERIAL INCLUDING ANGLE & PLATE MUST BE SELECTED ACCORDING TO EN 10025-2 STANDARD, GRADES: S275JR & S355J0
- 12- TOWER BOLTS MUST BE CHOOSSED ACCORDING TO ISO 898-1 STANDARD, GRADE: 5.8
- 13- ALL TOWER MATERIALS MUST BE HOT DIP GALVANIZED ACCORDING TO BS EN ISO 1461.
- 14- SHIELD PEAK ATTACHMENT MUST BE DESIGNED TO CONNECT BOTH SHIELD WIRE AND OPGW.
- 15- ALL ELECTRICAL CLEARANCES SHOWN FOR INSULATORS COVER 150 mm ARCING HORN.
- 16- SUITABLE PROVISION SHALL BE MADE FOR +1.0 TO +6.0MT TELLER MADE LEG EXTENSIONS.
- 17- MINIMUM GROUND CLEARANCE REQUIRED IS 8.1M FOR NORMAL GROUND.
- 18- MAXIMUM CONDUCTOR SAG WITH CREEP SHALL BE CONSIDERED DURING SPOTTING OF THE TOWER ON PROFILES AND ACCORDINGLY EITHER SPAN SHALL BE ADJUSTED OR ADDITIONAL BODY/LEG EXTENSIONS SHALL BE PROVIDED WHEREVER REQUIRED TO GET REQUISITE GROUND CLEARANCE OF 8.1M FOR NORMAL GROUND.
- 19- "*" PILOT INSULATORS ARE REQUIRED AS BELOW:
 - (a) UPTO 15° DEVIATION :- NOT REQUIRED
 - (b) ABOVE 15°<30° DEVIATION :- 2 Nos PER TOWER
 - (c) ABOVE 30° DEVIATION :- 4 Nos PER TOWER

<div>مونکو ایران</div> <div>Monenco Iran</div>			ORDERED BY: <div>KETRACO</div> <div>KENYA ELECTRICITY TRANSMISSION COMPANY LTD</div>		
			F.PROJ. NO.	<div>PROJECT TITLE</div> <div>Kimuka 400 kV OHL</div>	
			PROJECT NO.		
DATE	SIGN				
24/01/24	MSD		DESIGNED BY:		
24/01/24	MSD		DRAWN BY:		
24/01/24	MHP		CHECKED BY:	<div>DRAWING TITLE</div> <div>TENSION TOWER "400T30(10°-30°)/400T60(30°-60°)"</div> <div>OUTLINE & ELECTRICAL CLEARANCES</div>	<div>1</div> <div>REV.</div>
24/01/24	MAR		APP. BY:	<div>DRAWING NO.</div> <div>FILE NAME:</div>	<div>mm</div> <div>UNITS</div>
TRANSMISSION LINE		FIELD			



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- 19- 6 Nos PILOT INSULATORS ARE REQUIRED PER TOWER

 مونکو ایران Monenco Iran			ORDERED BY: KETRACO KENYA ELECTRICITY TRANSMISSION COMPANY LTD	
		F.PROJ. NO.	PROJECT TITLE Kimuka 400 kV OHL	
		PROJECT NO.		
DATE	SIGN		DRAWING TITLE TENSION TOWER "400T90(60°-90°)/400TRM(0°-45°)" OUTLINE & ELECTRICAL CLEARANCES	
24/01/24	MSD	DESIGNED BY:		
24/01/24	MSD	DRAWN BY:		
24/01/24	MHP	CHECKED BY:		
24/01/24	MAR	APP. BY:	DRAWING NO.	1 REV. mm UNITS
TRANSMISSION LINE		FIELD	FILE NAME:	