

PLAN
(RIGHT CIRCUIT ONLY)

TABLE 1: DOWNLEAD CLEARANCES FOR SOUTH CIRCUIT					
GROUP	REF	TYPE	CONDITION	AVAILABLE CLEARANCE (m)	REQUIRED CLEARANCE AS PER TS 2.04 ISSUE 6 (m)
TOP PHASE TO MIDDLE PHASE	A1	PH-PH	STILL AIR	2.56	2.50
			SWUNG 45°	2.68	1.50
MIDDLE PHASE TO BOTTOM PHASE	A2	PH-PH	STILL AIR	2.51	2.50
			SWUNG 45°	2.48	1.50
TOP PHASE TO BOTTOM PHASE	A3	PH-PH	STILL AIR	3.75	2.50
			SWUNG 45°	3.66	1.50

TABLE 2: JUMPER CLEARANCES TO STRUCTURE FOR SOUTH CIRCUIT					
GROUP	REF	TYPE	CONDITION	AVAILABLE CLEARANCE (m)	REQUIRED CLEARANCE AS PER TS 2.04 ISSUE 6 (m)
TOP PHASE	TD	PH-E	STILL AIR	2.32	1.40
	TF	PH-E	STILL AIR	2.30	1.40
MIDDLE PHASE	MD	PH-E	STILL AIR	2.29	1.40
	MF	PH-E	STILL AIR	2.35	1.40
BOTTOM PHASE	BD	PH-E	STILL AIR	2.23	1.40
	BF	PH-E	STILL AIR	2.30	1.40

- KEY
- ⊖ TENSION SET
 - ⊖ INVERTED LOW DUTY SET
 - ⊖ UPRIGHT LOW DUTY SET
 - AP ATTACHMENT POINTS FOR DOWNLEADS
 - SE SEALING END
 - SA SURGE ARRESTER

NOTES

Notes :
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

LEGEND

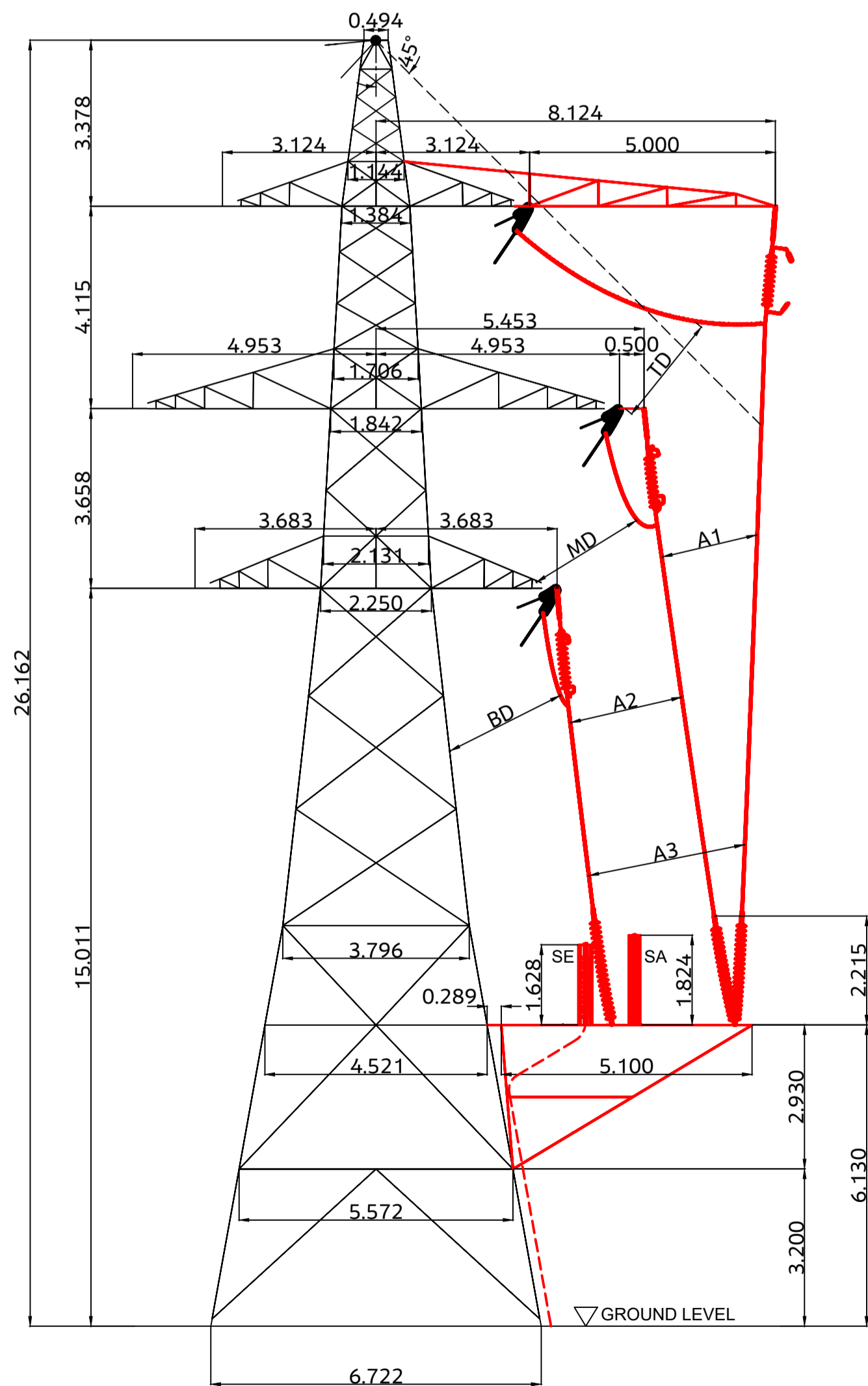
- EXISTING EQUIPMENT
- NEW INFRASTRUCTURE EQUIPMENT
- EQUIPMENT TO BE REMOVED
- FUTURE EQUIPMENT

REFERENCE

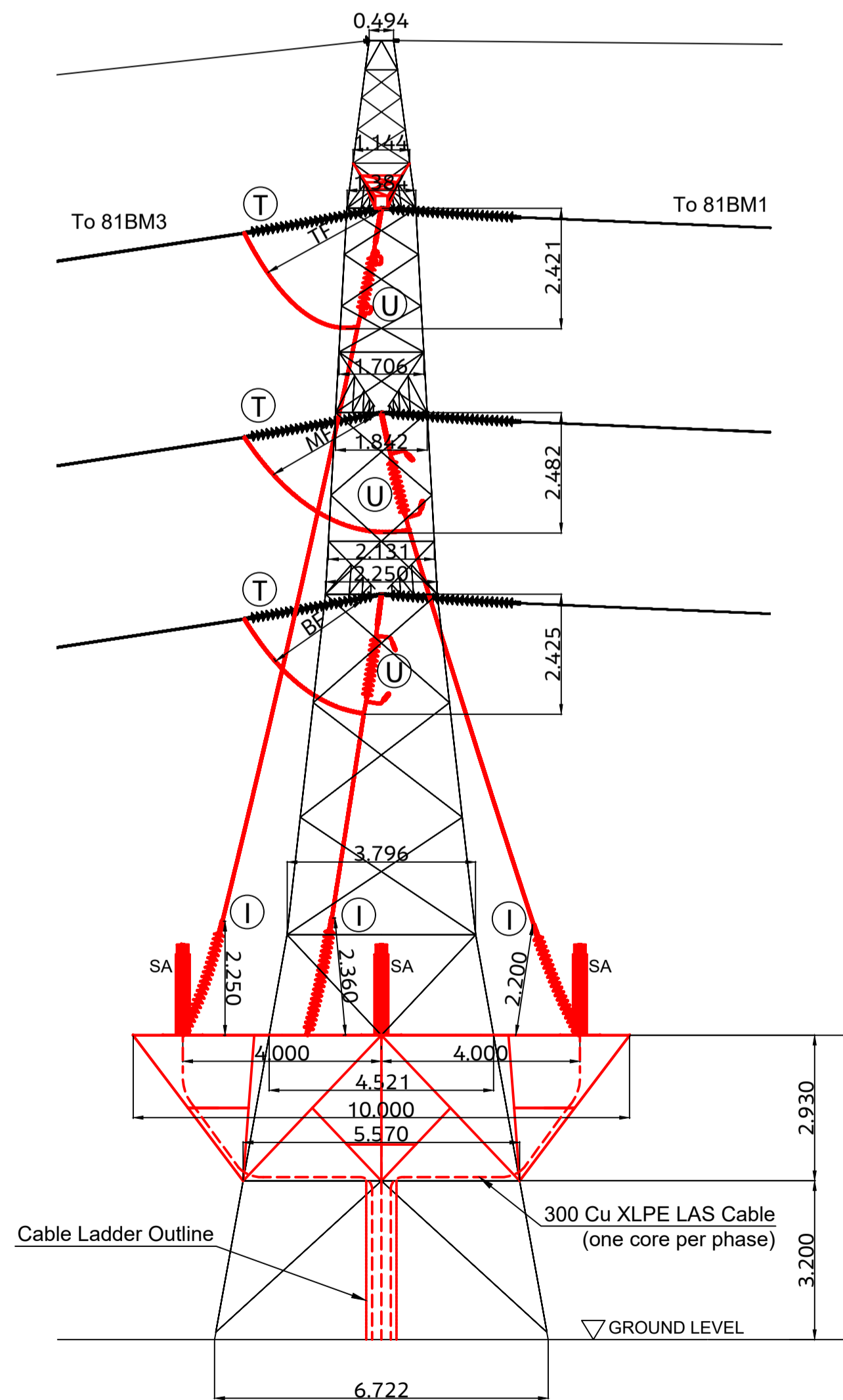
TS 2.04 Issue 6	Generic Design Principles for Overhead Lines
OH1A/4	Standard Technique Relating to Overhead Line Clearances to Ground and Objects for Reasons of Safety
ENA TS 43-9 Issue 3	132 kV Steel Tower Transmission Lines: Specification L7(c)

MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH STANDARD TECHNIQUE: OH1A/4 AND ENA TS 43-8

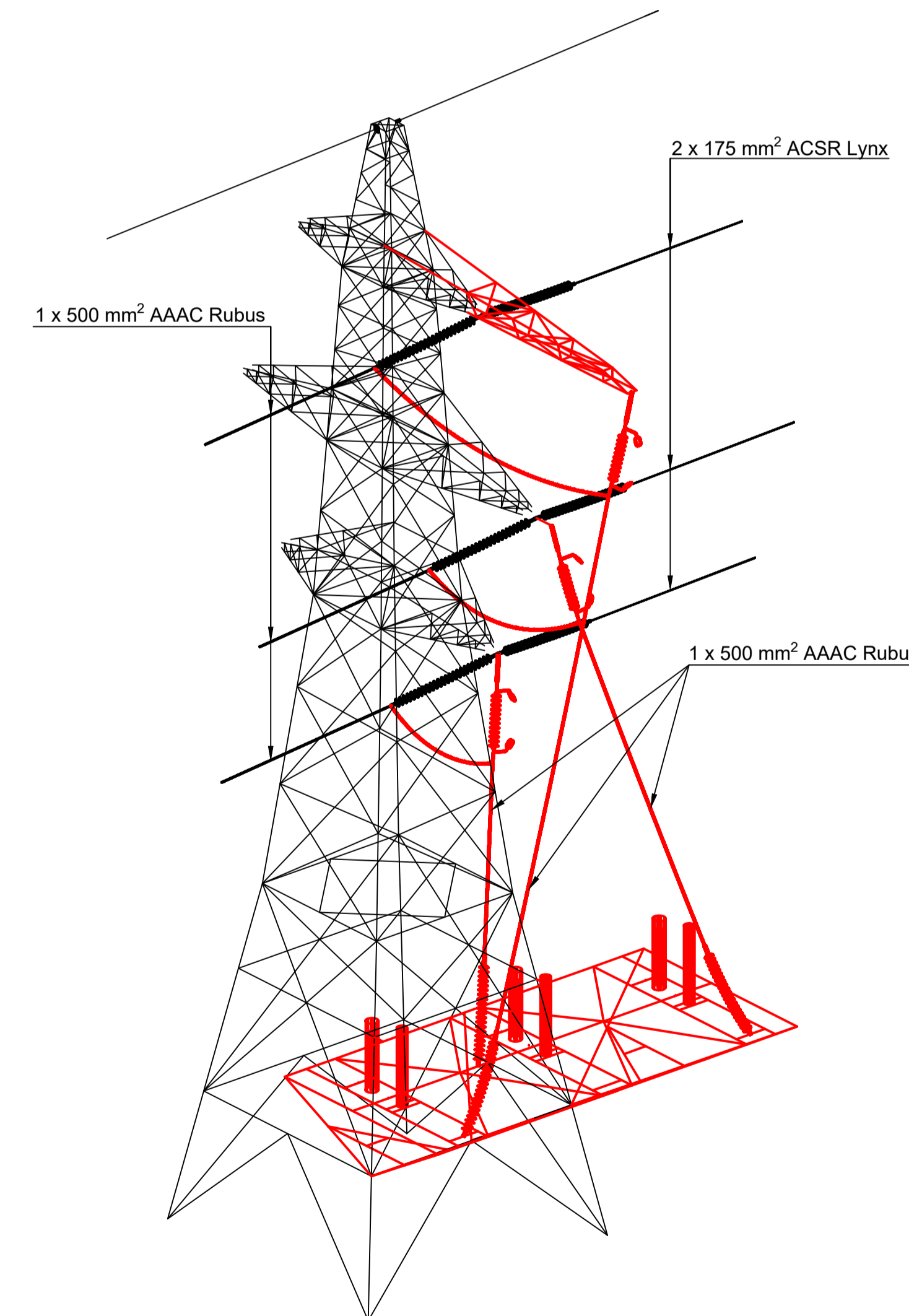
NOMINAL SYSTEM VOLTAGE (rms)	132kV
CONDUCTOR TO ACCESSIBLE OBJECT OR BUILDING SURFACE	6.6m
CONDUCTOR TO NON-ACCESSIBLE OBJECT	1.4m
CONDUCTOR TO TREE ADJACENT (UNABLE TO SUPPORT LADDER)	4.0m
CONDUCTOR TO TREE ADJACENT (ABLE TO SUPPORT LADDER)	4.0m
CONDUCTOR TO IRRIGATOR AND HIGH PRESSURE HOSES	30.0m
CONDUCTOR TO STREET LIGHTING (UPRIGHT OR VERTICAL HANGING CONDUCTOR)	2.3m
CONDUCTOR TO STREET LIGHTING (STANDARD FALLING TOWARDS LINE)	2.3m
CONDUCTOR TO ANY POINT NOT OVER ROAD	7.0m
CONDUCTOR TO ANY POINT OVER ROAD	7.3m
CONDUCTOR TO ROAD SURFACE OF '6.1M HIGH LOAD VEHICLE'	7.5m
CONDUCTOR TO MOTORWAY ROAD SURFACE (3 LANE)	14.6m
CONDUCTOR TO MOTORWAY ROAD SURFACE (2 LANE)	11.6m



TRANSVERSE ELEVATION
(SOUTH CIRCUIT ONLY)



LONGITUDINAL ELEVATION
(SOUTH CIRCUIT ONLY)



ISOMETRIC VIEW
(SOUTH CIRCUIT ONLY)

PO:1 First Issue	SB	IK	VB	15/08/24
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Master Scheme No: B23210C5 Sub-Scheme No: - Site: Fraddon

Scheme Name: Fraddon Tee-Off - Design Stage 4

Document Title: 132 kV Wire Clearance Diagram L7(c) D30 STD With Integrated Sealing End Platform

Created by: Samuel Baniago	Date: 15/08/24	Checked by: Ibrahim Khan	Date: 15/08/24	Approved by: Vijay Boppana	Date: 15/08/24
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