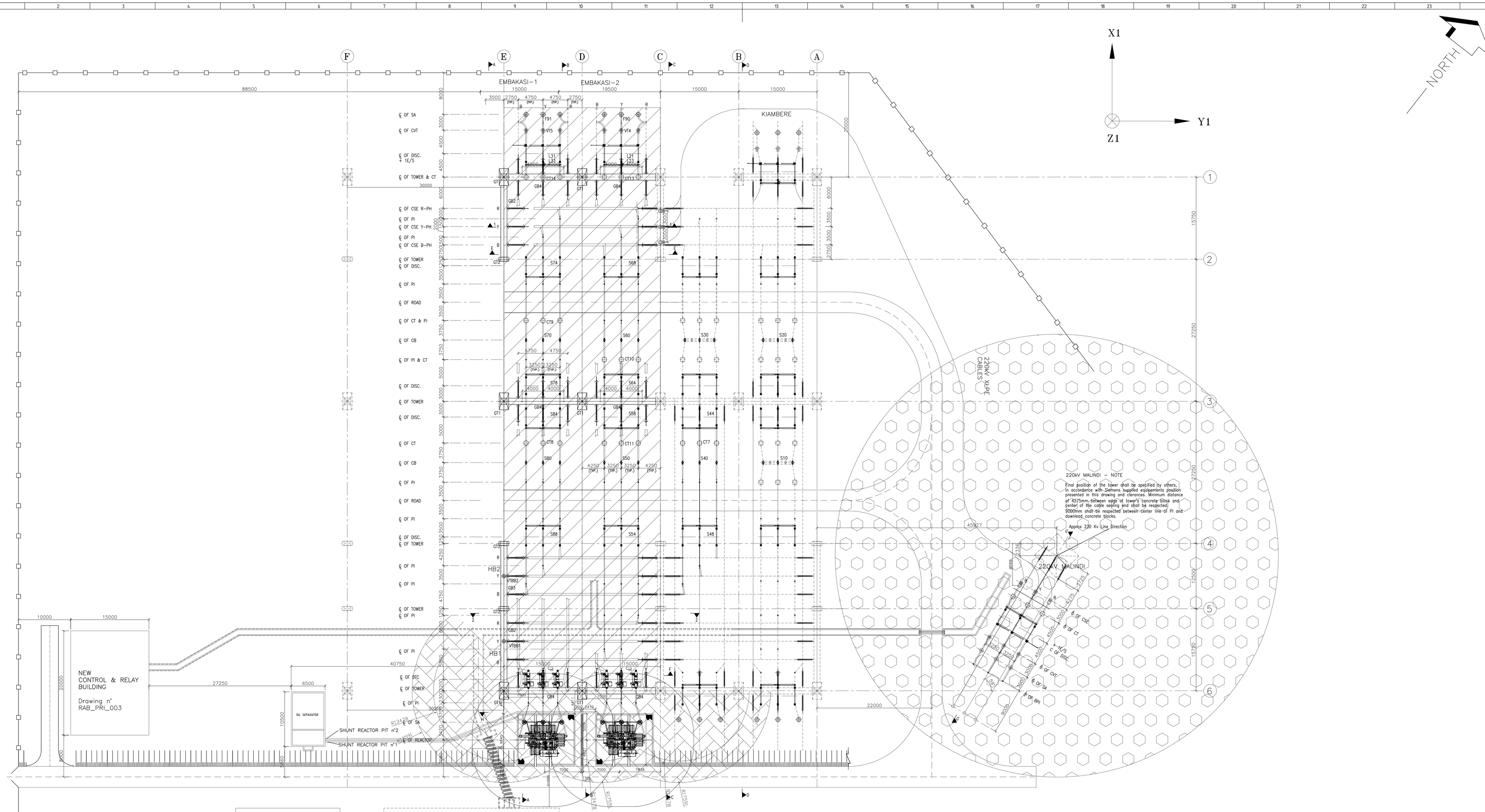


GENERAL NOTES:–

1) ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
2) IEC–61936–1, 2010 IS USED TO PREPARE DSLP LAYOUT PLAN & SECTION
3) REACTOR WILL BE PROTECTED FROM DIRECT STROKE OF LIGHTNING BY CONSIDERING TOWER GT1 & 3 AS LIGHTNING MAST WITH THE SPIKE OF 2000mm.
4) MALINDI LINE SIDE EQUIPMENT WILL BE PROTECTED FROM DIRECT STROKE OF LIGHTNING BY CONSIDERING TRANSMISSION TOWER AS LIGHTNING MAST WITH THE SPIKE OF 2000mm, TO BE PROVIDED BY OTHERS.

REFERENCE DRAWINGS :–

RAB PRI 001	– GENERAL LAYOUT PLAN
RAB–PRI–002	– GENERAL LAYOUT PLAN & ELEVATIONS
RAB–PRI–007	– LIGHTNING PROTECTION LAYOUT (SH. 2of2)

LEGEND:

- ZONE OF PROTECTION BY SHIELD WIRE AT HEIGHT 20500mm ABOVE FGL
- ZONE OF PROTECTION BY CONSIDERING TOWER TX,TY&TZ AS LIGHTNING MAST OF HEIGHT 20500mm WITH THE SPIKE OF 2000mm i.e. TOTAL HEIGHT OF LM =20500+2000=22500mm.
- ZONE OF PROTECTION BY CONSIDERING TOWER TL AS LIGHTNING MAST – supplied by others – OF HEIGHT 32200mm WITH THE SPIKE OF 2000mm i.e. TOTAL HEIGHT OF LM =32200+2000=34200mm.
- NEW SHIELD WIRE
- EXISTING SHIELD WIRE
- SW — STRINGING OF SHIELD WIRES ON TOWER WITH PEAKS
- PRESENT SCOPE OF WORK
- EXISTING/FUTURE
- GRID LINE
- CENTRE LINE

Ind rev	Date Date	Modification/Modification	Visa	Nom/name	Visa	Nom/name	Visa	Archiv. micro–filmed
								–
2	26.01.16	AS BUILT	ROB		M.S.		T.M.	–
1	06.07.12	Revised as per Technical Meeting dated 28/03/2012	S.L.		M.S.		T.M.	–
0	09.01.12	First issue	A.Y.		N.K.		S.J.	–

Verifie/checked — Approuve/approved

CONTRACT KETRACO/1/6/09 - LOT 3

RABAI 220/132kV S/S

LIGHTNING PROTECTION LAYOUT

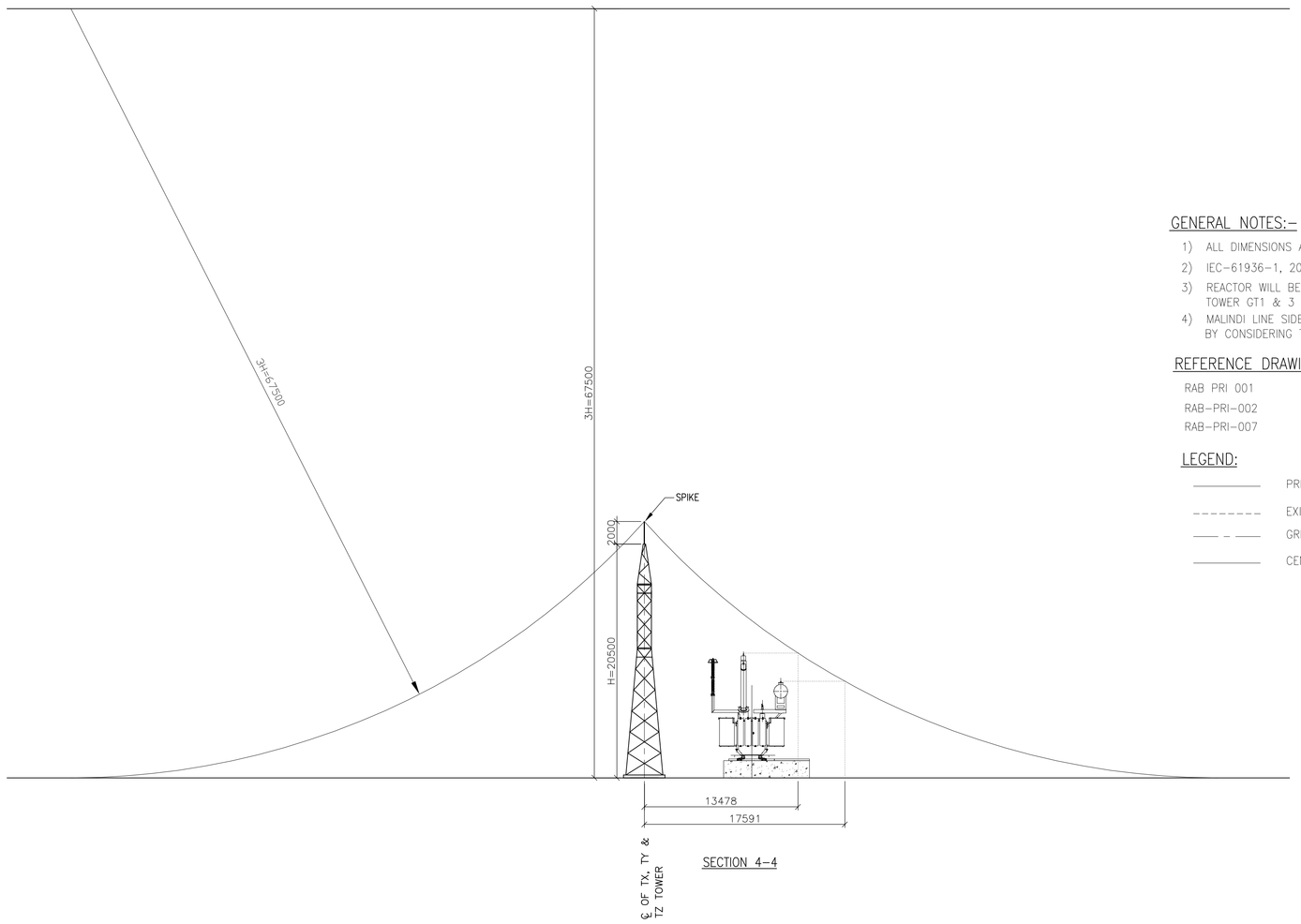
KETRACO
KENYA ELECTRICITY TRANSMISSION COMP. Ltd
MOMBASA - NAIROBI 400kV TRANSMISSION LINE

Echelle Scale: 1:250

Unite/department: E T HSol

SIEMENS
Transmission & Distribution

Code diffusion Distribution code	Projet – No commande Project – Order No.		Ind/rev	Folio/sheet
–	65PO_000104	RAB PRI 007	2	001/002



SECTION 4–4

GENERAL NOTES:–

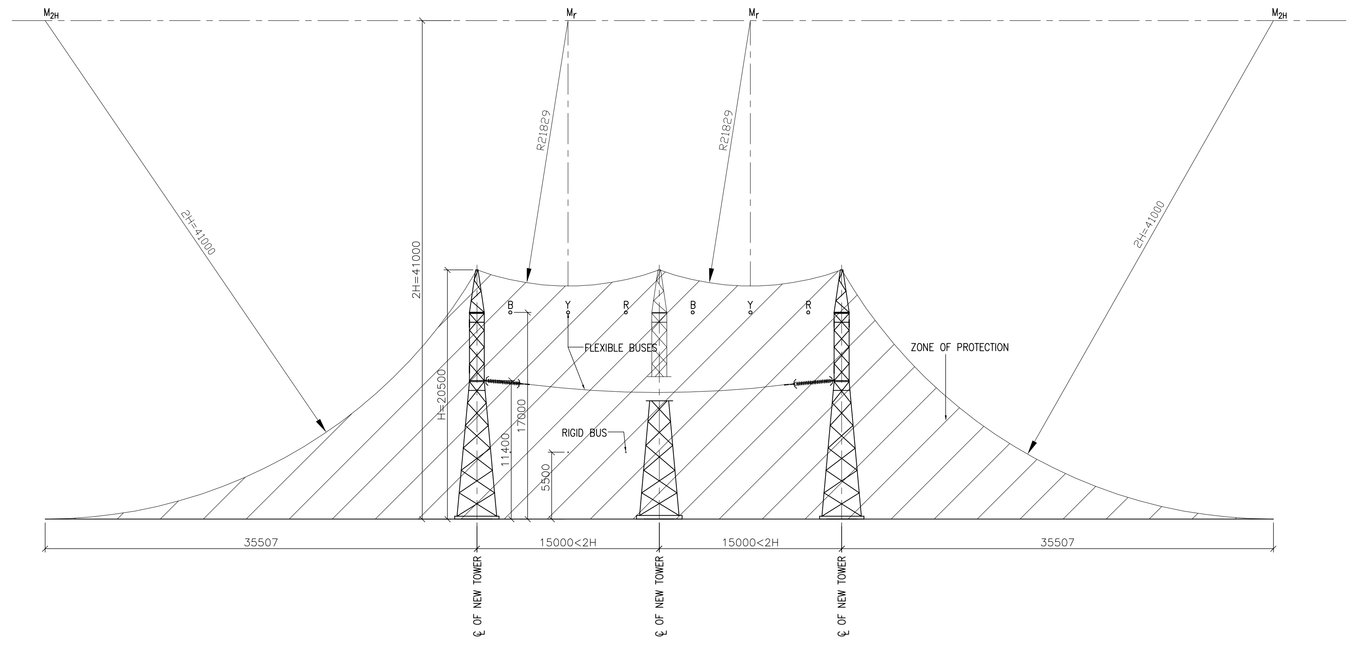
1) ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
2) IEC–61936–1, 2010 IS USED TO PREPARE DSLP LAYOUT PLAN & SECTION
3) REACTOR WILL BE PROTECTED FROM DIRECT STROKE OF LIGHTNING BY CONSIDERING TOWER GT1 & 3 AS LIGHTNING MAST WITH THE SPIKE OF 2000mm.
4) MALINDI LINE SIDE EQUIPMENT WILL BE PROTECTED FROM DIRECT STROKE OF LIGHTNING BY CONSIDERING TRANSMISSION TOWER AS LIGHTNING MAST WITH THE SPIKE OF 2000mm.

REFERENCE DRAWINGS :–

RAB PRI 001	– GENERAL LAYOUT PLAN
RAB–PRI–002	– GENERAL LAYOUT PLAN & ELEVATIONS
RAB–PRI–007	– LIGHTNING PROTECTION LAYOUT (SH. 1of2)

LEGEND:

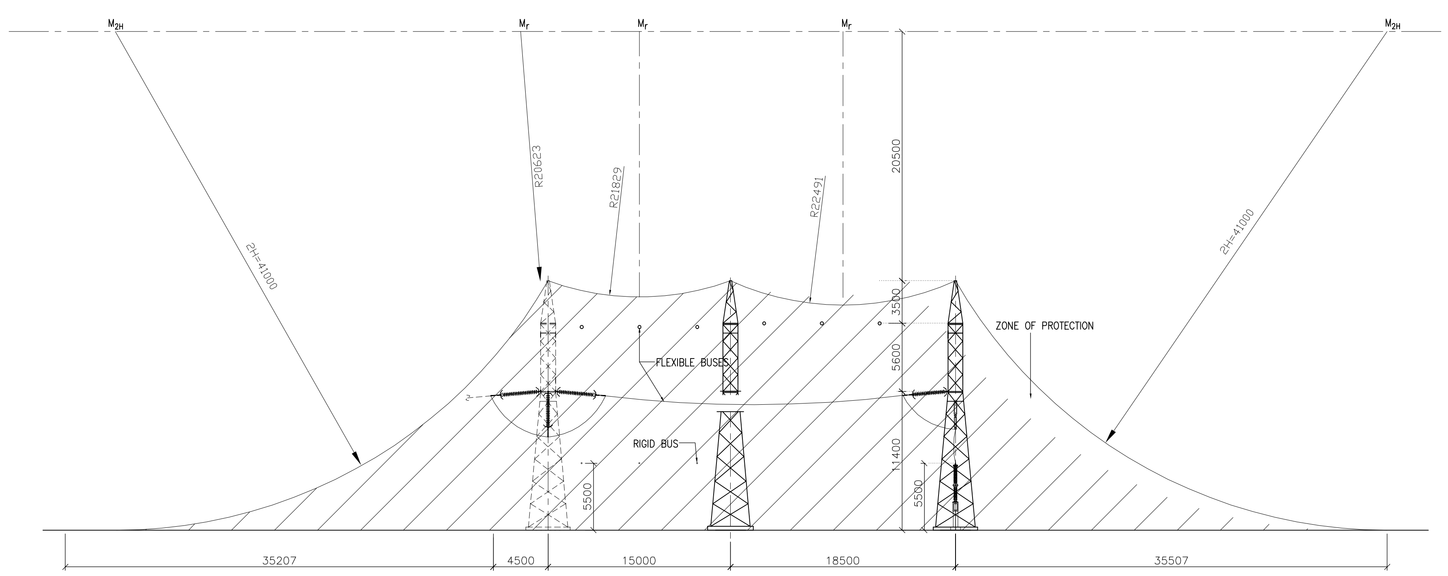
————	PRESENT SCOPE OF WORK
– – – – – – – –	EXISTING/FUTURE
—— – ——	GRID LINE
————	CENTRE LINE



SECTION 1–1

PROTECTION OF FLEXIBLE BUS AT HEIGHT OF 11400mm & 17000mm & RIGID BUS AT 5500mm FROM DIRECT STROKE OF LIGHTNING WITH THE HELP OF SHIELD WIRE AT HEIGHT H=20500mm

SECTION 5–5



SECTION 3–3

PROTECTION OF FLEXIBLE BUS AT HEIGHT OF 11400mm & 17000mm & RIGID BUS AT 5500mm FROM DIRECT STROKE OF LIGHTNING WITH THE HELP OF SHIELD WIRE AT HEIGHT H=20500mm

Ind	Date	Modification/Modification	Nom/name Dessine/	Visa	Nom/name Verifie/	Visa	Nom/name Approuve/	Visa	Archiv. micro–
2	26.01.16	AS BUILT	ROB		M.S.		T.M.		–
1	06.07.12	Modified as per technical meeting 28/03/2012	S.L.		M.S.		T.M.		–
0	09.01.12	First issue	A.Y.		N.K.		S.J.		–

CONTRACT KETRACO/1/6/09 - LOT 3

RABAI
220/132kV S/S

LIGHTNING PROTECTION LAYOUT

KETRACO
KENYA ELECTRICITY TRANSMISSION COMP. Ltd
MOMBASA - NAIROBI
400kV TRANSMISSION LINE

Echelle Scale: 1:250

Unite/department: E T HSol

SIEMENS
Transmission & Distribution

Code diffusion Distribution code: –

Projet – No commande Project – Order No.: 65PO_000104

RAB PRI 007

Ind/rev: 2

Folio: 002/002