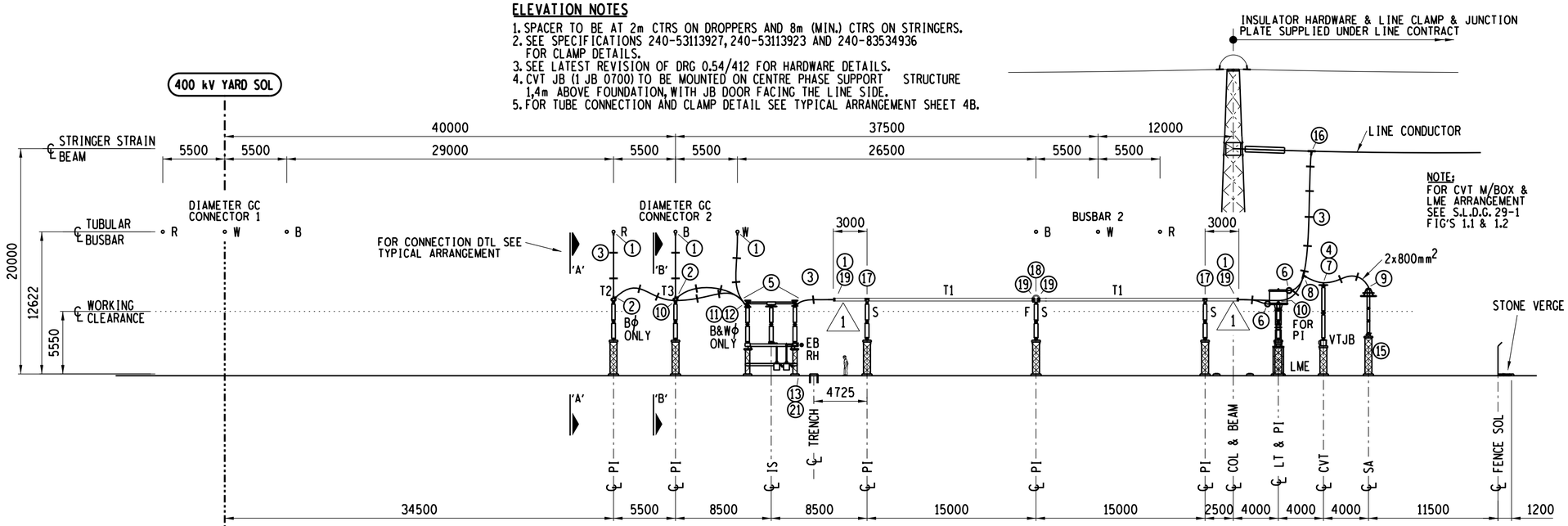
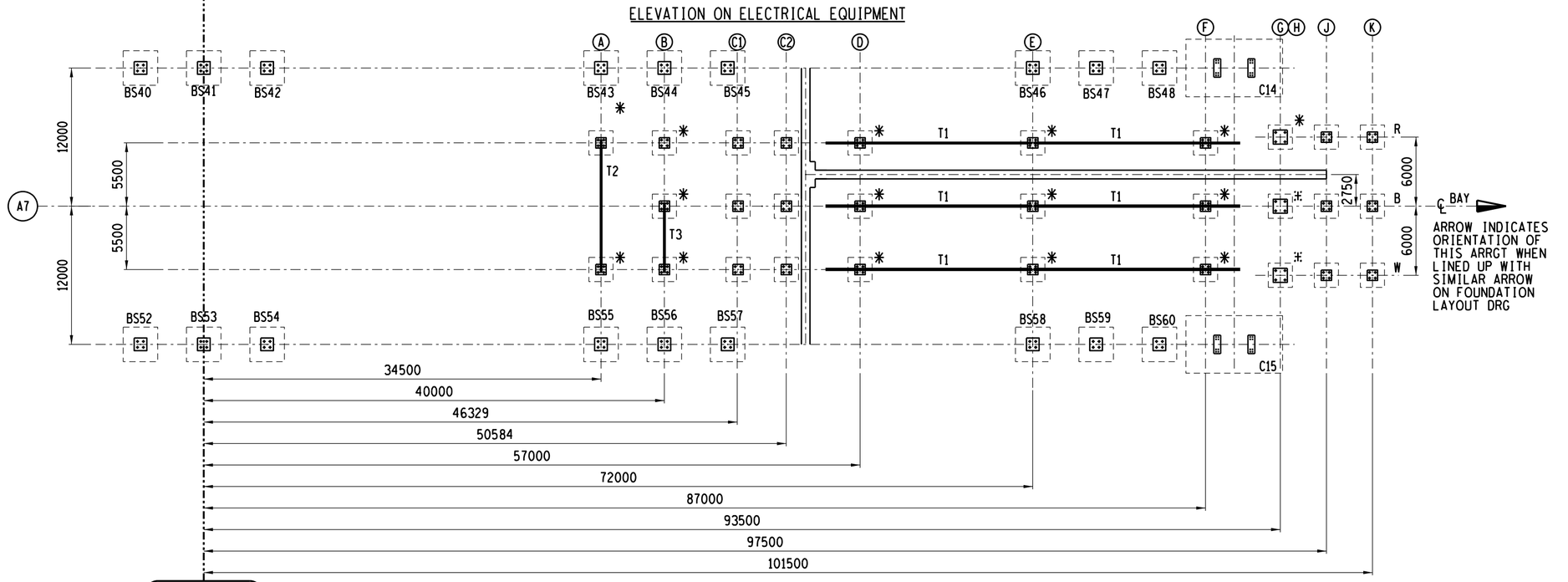
ELEVATION NOTES

1. SPACER TO BE AT 2m CTRS ON DROPPERS AND 8m (MIN.) CTRS ON STRINGERS.
2. SEE SPECIFICATIONS 240-53113927, 240-53113923 AND 240-83534936 FOR CLAMP DETAILS.
3. SEE LATEST REVISION OF DRG 0.54/412 FOR HARDWARE DETAILS.
4. CVT JB (1 JB 0700) TO BE MOUNTED ON CENTRE PHASE SUPPORT STRUCTURE 1,4m ABOVE FOUNDATION, WITH JB DOOR FACING THE LINE SIDE.
5. FOR TUBE CONNECTION AND CLAMP DETAIL SEE TYPICAL ARRANGEMENT SHEET 4B.



ELEVATION ON ELECTRICAL EQUIPMENT



EQUIPMENT SUPPORT FOUNDATION PLAN

400 kV YARD SOL

ALL DIMENSIONS ARE FROM 400kV YARD SOL

FOUNDATION		A	B	C	D	E	F	G	H	J	K
FOUNDATION DRG No 0.54/		4358	4358	4358	4358	4358	4358	4368	4368	4358	4358
EQUIPMENT		PI	PI	ISOL	PI	PI	PI	LT	PI	CVT	SA
EQUIPMENT RATING	AMPS	——	——	3150	——	——	——	——	——	——	——
	kA	——	——	50	——	——	——	——	——	——	——
EQUIPMENT STEM/PAD SIZE		225 PCD	225 PCD	8HHP	225 PCD	225 PCD	225 PCD	8HHP	225 PCD	2xϕ38	ϕ38
MAKER		——	——	HAPAM	——	——	——	TRENCH	——	ARCTECHE	SIEMENS
OUTLINE DRG No. 0.54/				10029						9510	8842
STEELWORK DRG No 0.54/	SUPPORT	303	303	302	303	303	303	309	304, 314	302	302
	CAP/ADAPTOR	779	779	306;10012	779	779	779	4337	779	307, 673	307, 6603

CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION 6 TBFF 202 SIZE	QUANT.
CONDUCTOR	BUSBAR	ϕ 250 Al TUBE	——
	DAMPING CONDUCTOR	1x400mm²	170m
	STRINGER AND DROPPER	2x800mm²	250m
	EQUIPMENT EARTHING (IS, ES, CVT, SA, PB & JB)	50x3 Cu	45m

DESCRIPTION	MK	ITEM	QUANT.
ϕ250 TUBE TO 2x800mm² INLINE	1	ETP-TE-IL2-X (1)	9
ϕ 250 TUBE TO 2x800mm² TAP-OFF TWISTED CLAMP	2	ETP-TW 2-AF	2
TWIN CONDUCTOR SPACER	3	ES-B	83
TRIP CONDUCTOR SPACER	4	ES-E	3
CLAMP	5	EYC-S	6
	6	EYC-R	4
	7	EX-E	6
	8	ETC-K	6
	9	EYC-D	3
	10	EXCP2-E	2
	11	EX-D	4
UNIVERSAL CORONA RING	12	UC	2
COPPER EARTHING STUD, 20kA	13	-	6
PIN INSULATOR	15	-	12
LINE CLAMP	16	-	6
ϕ 250 TUBE COUPLING CLAMP - 225 PCD	17	ECC-PI-S-K	6
ϕ 250 EXPANSION CLAMP F/S - 225 PCD	18	EEC-PI-FS-R	3
ϕ 250 TUBE END CAP - DAMPING COND.	19	ETEC-DC-H	12
COMPRESSION TUBS (FERRULES)	20	-	16
L-SHAPED EARTH STUD ADPATORS PLATE	21	-	3

NOTE: WHERE FAULT LEVELS ARE ABOVE 25kA, APPROPRIATE SPACER TO BE INSTALLED ADJACENT TO EYC, EYC2 & EYC3 CLAMPS

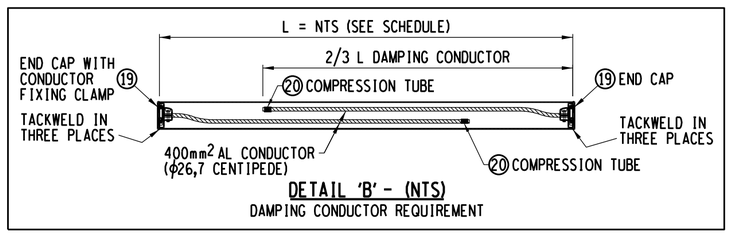
FOUNDATION PLAN NOTES

1. TOP OF EQUIPMENT FOUNDATIONS TO BE MIN. 150mm ABOVE CONSTRUCTED TERRACE LEVEL, THE THREE SEPARATE BASES FOR THE SAME ITEM OF EQUIPMENT ARE TO BE AT THE SAME LEVEL (EG: CT BASES ON ALL THREE PHASES).
2. PI & STEELWORK AT POSITIONS MARKED THUS ✱.
3. LT & STEELWORK AT POSITIONS MARKED THUS ⁑.

SCHEDULE OF ϕ250 x 6WT AL TUBES		
ITEM No	LENGTH (mm)	QUANTITY
T1	18000	6
T2	12000	1
T3	6300	1

SEE ELEVATION NOTE 5

DETAILED DESIGN
NOT FOR CONSTRUCTION
ORIGINAL DWG #: N/A
CONCEPT DWG #: N/A



DETAIL 'B' - (NTS)
DAMPING CONDUCTOR REQUIREMENT

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
1	BAY SPACING & FENCE POSITION CORRECTED. CLAMPS UPDATED.	GT	ALG	MP	13/09/2023
0	FIRST ISSUE.	GT	ALG	MP	27/01/2022

Eskom

Eskom Holdings SOC Ltd
Reg No 2002/015527/30

UPINGTON MTS

400kV FEEDER 3

©

SHEET NUMBER	REVISION
4	1

SolP21P05-SE-D16

SKELETON MASTER 0.54/8629 SHT 06 REV 1

SIZE GROOTTE A1L