

ELEVATION ON ELECTRICAL EQUIPMENT

ARROW INDICATES ORIENTATION OF THIS ARRGT WHEN LINED UP WITH SIMILAR ARROW ON FOUNDATION LAYOUT DRG 0.08/19782. THE BUBBLE ON THE OPPOSITE END INDICATES THE BAY NUMBER.

ELEVATION NOTES

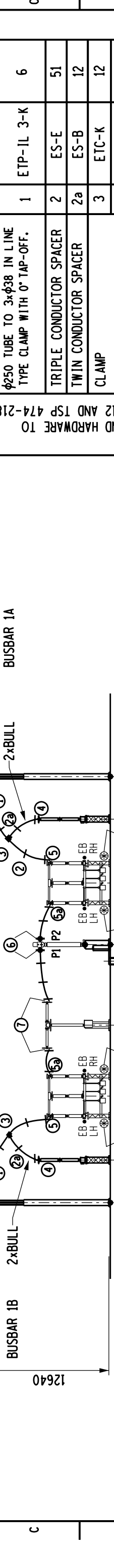
1. SPACERS MK 2 & 2a TO BE AT 2m CRS ON DROPPERS.

FOUNDATION PLAN NOTES

1. TOP OF EQUIP FOUNDATIONS TO BE MIN 150mm ABOVE CONSTRUCTED TERRACE LEVEL; THE THREE SEPARATE BASES FOR THE SAME ITEM OF EQUIP, ARE TO BE AT THE SAME LEVEL. (eg: CT BASES ON ALL THREE PHASES)

2. SEE FDN & TRENCH LAYOUT DRG M0021P05-SE-D8 FOR REFERENCE TO CIVIL DETAILS - 0.54/390 (JB's, RAMPS etc).

EQUIPMENT SUPPORT FOUNDATION PLAN



CLAMP NOTES

1. WHERE FAULT LVLS EXCEED 25kA, APPROPRIATE SPACER TO BE INSTALLED ADJACENT TO EYC3 CLAMPS.

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CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION		
		400kV BUS SECTION	QUANTITY	
CONDUCTOR	BUSBAR	SIZE	QUANTITY	
CLAMPS AND HARDWARE TO DRG No.0.54/412 AND TSP 474-218	STRINGER AND DROPPER	φ 250x6WT AL TUBE	—	
	EQUIPMENT EARTHING	3x800 mm ²	350m	
		2x800 mm ²	30m	
		50x3 Cu	75m	
INDICATED THUS: ⊗	DESCRIPTION	MK	ITEM	QUANTITY
⊗	φ250 TUBE TO 3xφ38 IN LINE TYPE CLAMP WITH 0° TAP-OFF.	1	ETP-IL 3-K	6
	TRIPLE CONDUCTOR SPACER	2	ES-E	51
	TWIN CONDUCTOR SPACER	2a	ES-B	12
	CLAMP	3	ETC-K	12
		4	EX-E	12
		5	EYC3-J	6
		5a	EYC3-H	6
		6	EYC3-G	6
		7	EYC3-H	6
	EARTHING STUD (20kA)	8	-	24
	L-SHAPED STUD ADAP-TYPE B	9	-	12

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EQUIPMENT SUPPORT FOUNDATION PLAN

FOUNDATION	A	B	C	D	E	F	G	H
FOUNDATION DRG No 0.54/	4358	4358	4358	401	4713 SHT 5	4368	4358	4358
EQUIPMENT	CVT	ISOL (2ES)	CB	LABEL SUPP	JB 8100	CT	ISOL (2ES)	CVT
EQUIPMENT RATING	—	3150 kA	4000	—	—	2500	3150	—
EQUIPMENT STEM/PAD SIZE	2 x φ38	63	50	—	—	50	63	—
MAKER	ARTECHE	8HHP	8HVP	—	ARTECHE	8HHP	8HHP	2 x φ38
OUTLINE DRG No. 0.54/	9511	10027-SHT 1	9905	—	—	9565	10027-SHT 1	9511
STEELWORK SUPPORT DRG No 0.54/	302	302	302	400 SHT 2	—	309	302	302
CAP/ADAPTOR	307	306, 10112	306	—	—	311	306;10112	307

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DETAIL DESIGN
NOT FOR CONSTRUCTION
 ORIGINAL DWG #: M0021P05-SE-D16-10-0
 CONCEPT DWG #: N/A

R Ramnarain
 04/04/2023

REV	DESCRIPTION	BY	CHKD	AUTH	DATE
0	FIRST ISSUE				12/05/2023

Eskom
 Eskom Holdings SOC Ltd
 Reg No 2002/015527/30

MOOKODI
 400kV BUSBAR 1 BUS SECTION 2

M0021P05-SE-D16
 SHEET NUMBER 10
 REVISION 1

SIZE: A4
 DATE: 04/04/2023