

CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION	
		SIZE	QUANT.
CONDUCTOR	DROPPERS	2x800mm <sup>2</sup>	450m
COPPER EARTH STRAP		50x3	30m
HARDWARE - ITEM TO DRG No 0.54/412	DESCRIPTION	MK	ITEM QUANT.
	φ250 TUBE TO 2x38.3φ TWISTED TYPE 90° TAP-OFF CLAMP	1	TBTC-250/ C2 - 38 3
	TWIN CONDUCTOR SPACER	2	S2 81
	CLAMPS	3	YC16 12
		4	YC18 12
		5	YC14 6
		6	YC7 6
		7	Y4 3
	AI STUD ADAPTOR 4H 50x50	8	SCP-38P 3
	CLAMPS	9	YC17 2
		10	YC16 2
		11	K5 6
	POST INS. FITTINGS 127 PCD	12	φ38 15
	CLAMPS	13	Y4 14
	MANUAL EARTHING STUD	14	TC10 3
	CLAMPS	15	YC4 3
	LINE CONDUCTOR CLAMPS	16	TC10 6

EQUIPMENT SUPPORT FOUNDATION & EARTHING PLAN

NOTE: 1. EQUIPMENT FOUNDATION LEVEL TO BE 150 ABOVE FINISHED TERRACE LEVEL EXCEPT WHERE OTHERWISE SHOWN ON ELEVATION. THE THREE SEPARATE BASES FOR THE SAME ITEM OF EQUIPMENT ARE TO BE AT THE SAME LEVEL. (EG: CT BASES ON ALL THREE PHASES).

LT AND STEELWORK AT POSITIONS MARKED THUS: #  
PI AND STEELWORK AT POSITIONS MARKED THUS: \*  
PG ISOL. AND STEELWORK AT POSITION MARKED THUS: #


EARTHING ACCORDING TO TRANSMISSION EARTHING STANDARD TST41-877 AND DRAWING No. 0.54/393.

CRIMPET 0.54/393 SHT C4 SHT C1 NOTE 5	68
CLAMP 0.54/393 SHT C6	136
φ 10 Cu ROD	800m

- INDICATES MAIN EARTHMAT (1 x φ 10)
- INDICATES EQUIPMENT EARTHING (2 x φ 10)
- INDICATES CRIMPET CONNECTION SHT C5
- INDICATES EARTHTAIL CLAMP CONNECTION SHT C7

DETAIL DESIGN  
NOT FOR CONSTRUCTION  
ORIGINAL DWG #: 0.17/3455 REV 13

FOUNDATION		A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
FOUNDATION DRG No 0.54/		4358	4358	4368	4368	6432	4368	5829	5829	8281	4713	8279	401	4358	5829	8281	308
EQUIPMENT RATING	AMPS	SA	CVT	LT	PI	ES	CT	PI	PG ISOL	ISOL(RH)	JUNCTION BOX	CB	LABEL SUPP	PI	PG ISOL	ISOL(LH)	CVT
	KA			-	-	63	63	-	3150	3150		4000			3150	3150	
EQUIPMENT STEM/PAD SIZE		φ38	2xφ38	8HHP	127 PCD	8HHP	8HHP	-	8HHP	8HHP		8HHP		127 PCD	8HHP	8HHP	127 PCD
ESKOM NATIONAL CONTRACT					-		-										
ORDER NUMBER																	
MAKER		ABB	TRENCH	TRENCH	PPC	ALSTOM	TRENCH	-	ALSTOM	ALSTOM	TRENCH	AREVA		PPC INSUL	ALSTOM	ALSTOM	HAEFELY
OUTLINE DRG No 0.54/		8076	8010	8294	8314	8405	8163	-	8107	8049		7575		8314	8107	8053	3514
STEELWORK DRG No 0.54/	SUPPORT	304	302	309	305/314	7672**		309		7675**	7671	**	400	303	7675**	7671	302
	CAP	306+6326+6603	307 + 673	4337	306		311	-			**		779	779		779	306

0						SE-07	KEY PLAN		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	SE-06	STAT. ELECT. DIAG.		
						Pem13P01REFERENCE DRAWINGS			
APPROVED BY		 Eskom Transmission			ESKOM HOLDINGS LIMITED REG NO. 2002/015527/06				
DATE									
CHECKED BY		NEPTUNE 400kV FEEDER 1 BAY LAYOUT AND EARTHING							
DATE									
DRAWN BY									
JMV									
DATE 07/07/2017		© Nep13P01-SE-D16				SHEET NUMBER		REVISION	
SCALE 1:200						-		0	