



CONDUCTOR AND HARDWARE SCHEDULE			BAY DESIGNATION	
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			SIZE	QUANT.
CONDUCTOR	BUSBAR	ϕ 250 AL TUBE	—	
	STRINGER AND DROPPER	3x800mm <sup>2</sup>	500m	
	EQUIPMENT EARTHING (IS, ES, CVT, SA, PB & JB)	50x3 Cu	100m	
DESCRIPTION		MK	ITEM	QUANT.
ϕ 250 TUBE TO 3 x 800 mm <sup>2</sup> COMPRESSION CLAMP		1	ETP-TW 3-M	12
TRIPLE CONDUCTOR SPACER		2	ES-E	100
CLAMP		3	EXCP3-C	1
		4	EYC3-H	36
		5	EYC3-G	18
		6	ETC-K	36
		7	EX-E	12
		8	EX-D	4
UNIVERSAL CORONA RING		9	EUC	2
COPPER EARTHING STUD, 20kA		10	-	36
ϕ250 TUBE TO 3x800mm <sup>2</sup> INLINE - 45 DEG		12	ETP-IL 3-L	5
ϕ250 TUBE END CAP - DAMPING CONDUCTOR		13	ETEC-DC-H	R 4 W 2 B 2
ϕ250 TUBE COUPLING CLAMP - 225 PCD		14	EEC-PI-S-K	6
ϕ250 TUBE TO 3x800mm <sup>2</sup> INLINE - 90 DEG		15	ETP-IL 3-M	1
ϕ250 CORONA FREE END CAP		16	ETEC-CF-G	6
ϕ250 TUBE EXPANSION CLAMP - 225 PCD		17	EEC-PI-FS-R	1
L-SHAPED EARTH STUD ADAPTOR PLATE		18	-	18
NOTE: WHERE FAULT LEVELS ARE ABOVE 25kA, APPROPRIATE SPACER TO BE INSTALLED ADJACENT TO EYC, EYC2 & EYC3 CLAMPS				

SCHEDULE OF φ250 x 6WT AL TUBES			
ITEM No	LENGTH (mm)	QUANTITY	REMARKS
T1	8500	1	SEE ELEV. NOTE 6
T2	24000	3	SEE ELEV. NOTE 6

DAMPING CONDUCTOR SCHEDULE (SEE DETAIL 'A')	
DESCRIPTION	QUANTITY
400mm <sup>2</sup> AAC - CENTIPEDE	106m
COMPRESSION TUBES (FERRULES)	8

- FOUNDATION PLAN NOTES**
- 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)
  - IF REQUIRED TOP OF EQUIPMENT FOUNDATION LEVEL TO BE ADJUSTED TO COMPLY WITH NOTE 1 ABOVE EXCEPT FOR FOUNDATION D WHICH IS ACCORDING TO FIXED DESIGN LEVELS AND SHOWN ON THE FOUNDATION PLAN.
  - PI (STANDARD 10kN) & STEELWORK AT POSITIONS MARKED THUS \* (FOR STRANDED CONDUCTOR)

**DETAILED DESIGN  
NOT FOR CONSTRUCTION**

ORIGINAL DWG #: N/A  
CONCEPT DWG #: N/A

1	BAYS SPACING ADJUSTED TO 24m, BB1 SHIFTED CLOSER TO SOL. ITEM A AND COLUMNS POSITIONED CORRECTLY. TUBE LENGTHS & CLAMPING REVISED.	GT	ALC	MP	13/09/2023
0	FIRST ISSUE.	GT	ALC	MP	18/03/2022
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE

Eskom Holdings SOC Ltd  
Reg No 2002/015527/30

UPINGTON MTS  
400kV DIAMETER GC

©

SoIP21P05-SE-D16

SHEET NUMBER  
3

REVISION  
1

FOUNDATION		X	Y
FOUNDATION DRG No 0.54/		4358	4358
EQUIPMENT		ISOL	PI
EQUIPMENT	AMPS	3150	---
RATING	kA	50	---
EQUIPMENT STEM/PAD SIZE	8HHP	225(PCD)	---
MAKER	HAPAM	TBC	---
OUTLINE DRG No. 0.54/	10026	---	---
STEELWORK	SUPPORT	302	303
DRG No 0.54/	CAP/ADAPTOR	306, 10112	779

FOUNDATION		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V
FOUNDATION DRG No 0.54/			4358					4358	4358	4358	4368	4358	401	4713-SHT 5	4368	4358	4358	4358	4713-SHT 5	4368	4358	401
EQUIPMENT		PANTO (FUT)	PI	CB FUT	LABEL SUPP	JB FUT	CT FUT	PI	CVT	IS	CT	CB	LABEL SUPP	JB	CT	IS	CVT	IS	JB	CT	CB	LABEL SUPP
EQUIPMENT	AMPS				FUT					3150	4000	4000			4000	3150		3150		4000	4000	
RATING	kA									50	50	50			50	50		50		50	50	
EQUIPMENT STEM/PAD SIZE			225(PCD)					225(PCD)	2x φ38	8HHP	8HHP	8HHP			8HHP	8HHP	2x φ38	8HHP		8HHP	8HHP	
MAKER			TBC					TBC	ARCTECHE	HAPAM	ARCTECHE	SIEMENS			ARCTECHE	HAPAM	ARCTECHE	HAPAM		ARCTECHE	SIEMENS	
OUTLINE DRG No. 0.54/									9510	10026					10027	9510	10025					
STEELWORK	SUPPORT		303					303	302	302	309	302	400 SHT 2		309	302	302		309	302	400 SHT 2	
DRG No 0.54/	CAP/ADAPTOR		779					779	307,673	306, 10112	311	306			311	306, 10112	307,673	306, 10112		311	306	