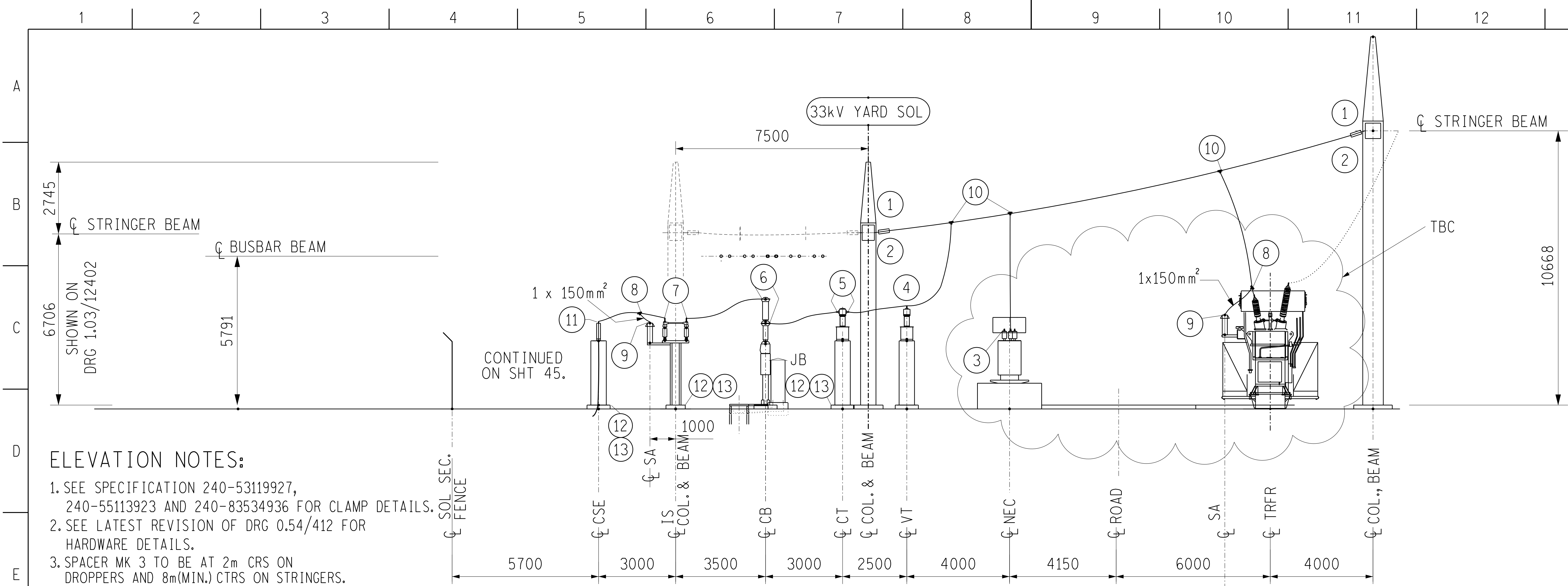
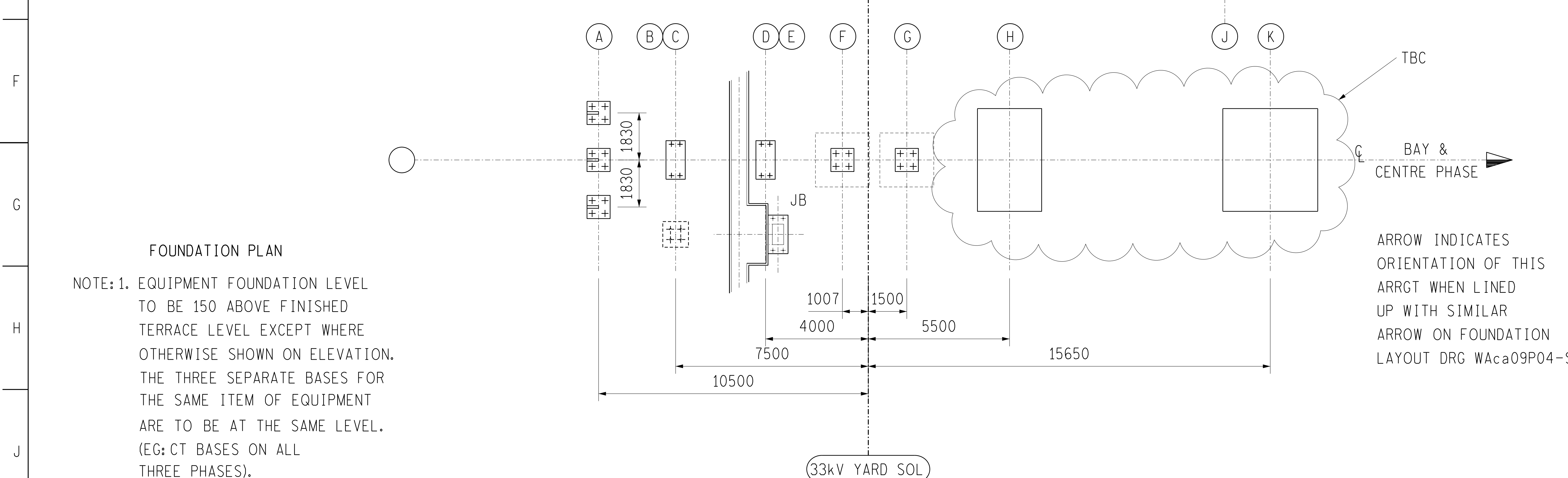




- ELEVATION NOTES:
- 1. SEE SPECIFICATION 240-53119927, 240-55113923 AND 240-83534936 FOR CLAMP DETAILS.
 - 2. SEE LATEST REVISION OF DRG 0.54/412 FOR HARDWARE DETAILS.
 - 3. SPACER MK 3 TO BE AT 2m CRS ON DROPPERS AND 8m(MIN.) CTRS ON STRINGERS.



FOUNDATION 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).

** SUPPLIED BY MANUFACTURER

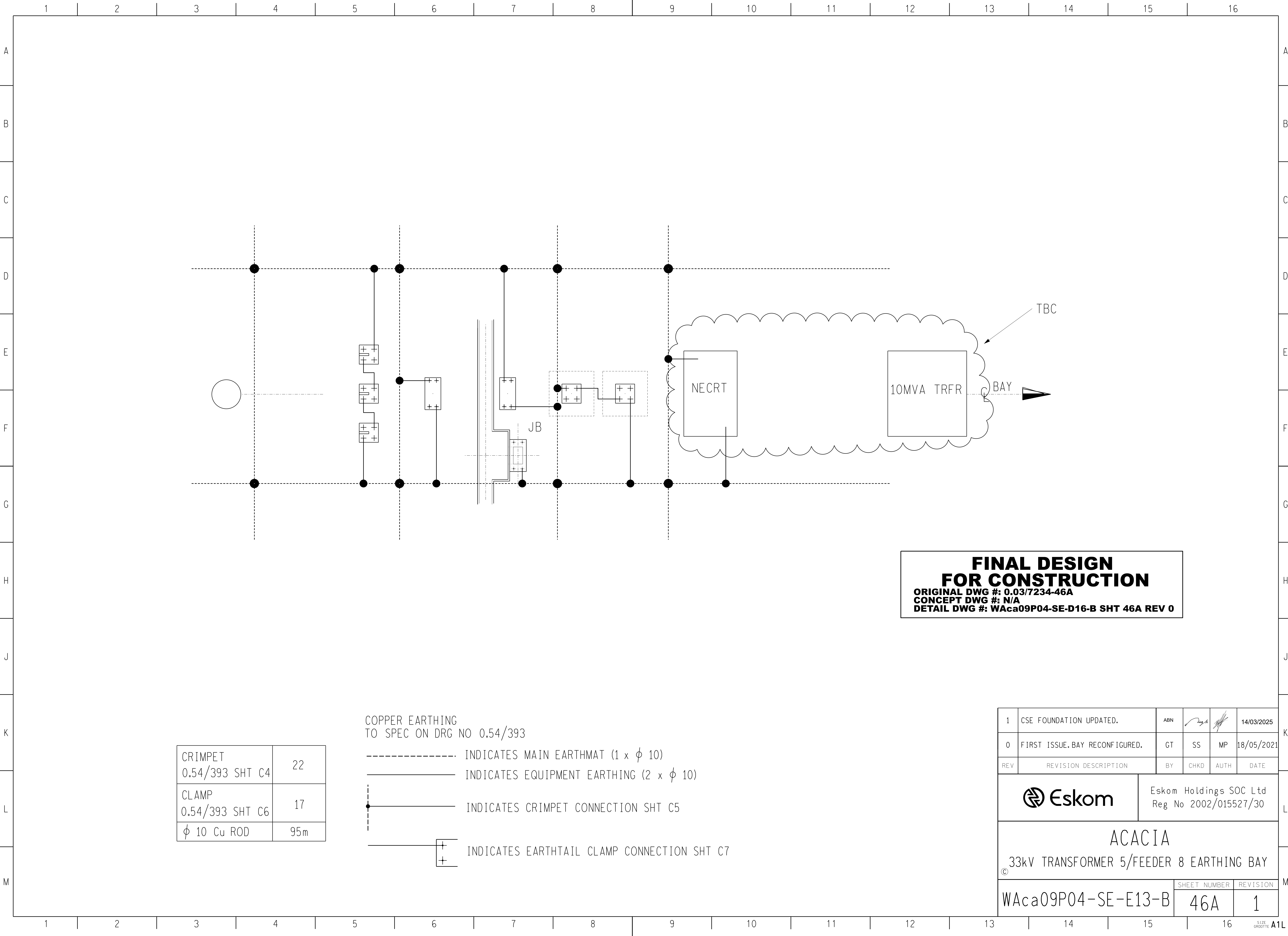
FOUNDATION		A	B	C	D	E	F	G	H	J	K
FOUNDATION DRG No 0.54/		D-DT-5271 S1	-	8292	8288	4713 SHT 1	4358	4358	TBC	-	TBC
EQUIPMENT		C.S.E.	SA	ISOL.	CB	JB	CT	EMVT	NECRT	SA	10MVA TRFR
EQUIPMENT RATING	AMPS	-		1600	2500	-	1600	-		-	
	kA	-		25	25	-	20	-	-	-	
MAKER		-	COOPER	ACTOM	CROMPTON	-	ITT	ITT	-	COOPER	
EQUIPMENT STEM/PAD		φ38	12mm	4HHP	8HHP	-	φ38	φ26	φ26	12mm	
OUTLINE DRG No 0.54/		-	8340	7590	7569	-	7661	8105		8340	
STEELWORK DRG No 0.54/	SUPPORT	D-DT-5271 S2	0.03/13947	** 7695	*	-	302	302		MOUNTED ON TRFR	
	CAP	-	-	-		-	270	270			

CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION		
		SIZE	QUANTITY	
CONDUCTOR	BUSBAR	1x800mm ²	–	
	STRINGER AND DROPPER	1x400mm ²	150m	
	STRINGER AND DROPPER	1x150mm ²	6m	
	EQUIPMENT EARTHING (IS, ES, CVT, SA, PB & JB)	50x3 Cu	15m	
DESCRIPTION		MK	ITEM	QUANTITY
INSULATOR STRING ASSEMBLY		1	A40	6
33kV COMPOSITE INSULATOR		2	–	6
CLAMP		3	TBC	3
		4	EX-B	3
		5	EXC-B	6
		6	EPC-A	6
		7	EPC-B	6
		8	EX-A	6
12mm – ϕ16.25 LUG 45°		9	–	6
CLAMP		10	ETC-C	9
		11	EXC-F	3
L-SHAPED EARTH STUD ADAPTOR PLATE TYPE 'B'		12	–	6
COPPER EARTH STUD, 20kA		13	–	18

FINAL DESIGN FOR CONSTRUCTION
ORIGINAL DWG #: 0.03/7234-46 REV 0
CONCEPT DWG #: N/A
DETAIL DWG #: WAc09P04-SE-D16-B SHT 46 REV 0

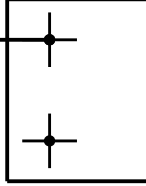
1	CSE UPDATED.	ABN			14/03/2025
0	BAY RECONFIGURED.FIRST ISSUE.	GT	SS	MP	18/05/2021
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE

 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30	
ACACIA 33kV TRANSFORMER 5/FEEDER 8			
© WAc09P04-SE-E13-B		SHEET NUMBER	REVISION
		46	1

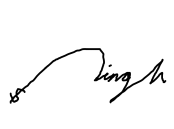


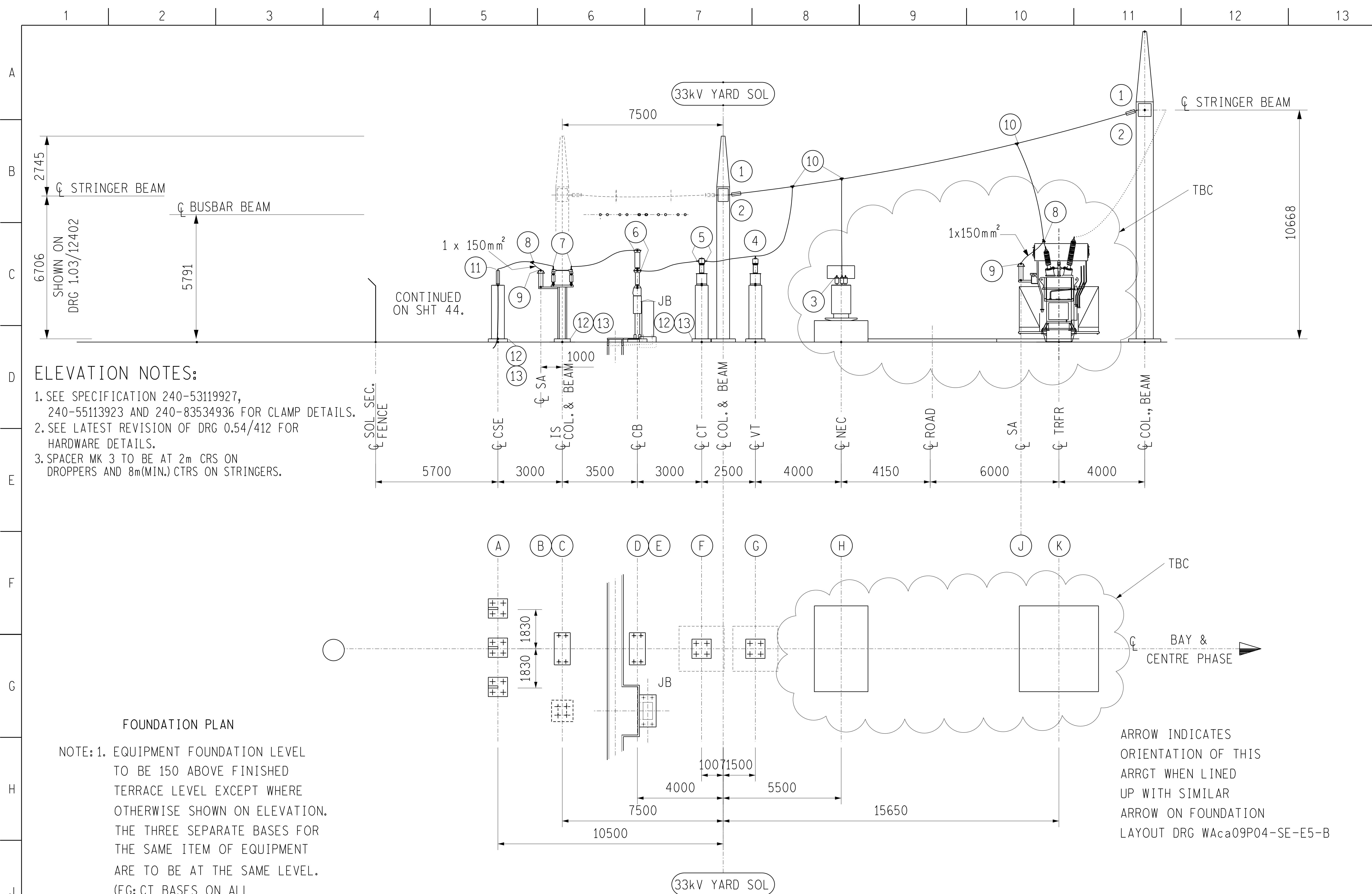
CRIMPET 0.54/393 SHT C4	22
CLAMP 0.54/393 SHT C6	17
ϕ 10 Cu ROD	95m

COPPER EARTHING
TO SPEC ON DRG NO 0.54/393

- 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

**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-46A
CONCEPT DWG #: N/A
DETAIL DWG #: WAc09P04-SE-D16-B SHT 46A REV 0

1	CSE FOUNDATION UPDATED.	ABN			14/03/2025
0	FIRST ISSUE. BAY RECONFIGURED.	GT	SS	MP	18/05/2021
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA					
© 33kV TRANSFORMER 5/FEEDER 8 EARTHING BAY					
WAc09P04-SE-E13-B		SHEET NUMBER		REVISION	
		46A		1	



- ELEVATION NOTES:
- SEE SPECIFICATION 240-53119927, 240-55113923 AND 240-83534936 FOR CLAMP DETAILS.
 - SEE LATEST REVISION OF DRG 0.54/412 FOR HARDWARE DETAILS.
 - SPACER MK 3 TO BE AT 2m CRS ON DROPPERS AND 8m(MIN.) CTRS ON STRINGERS.

FOUNDATION 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).

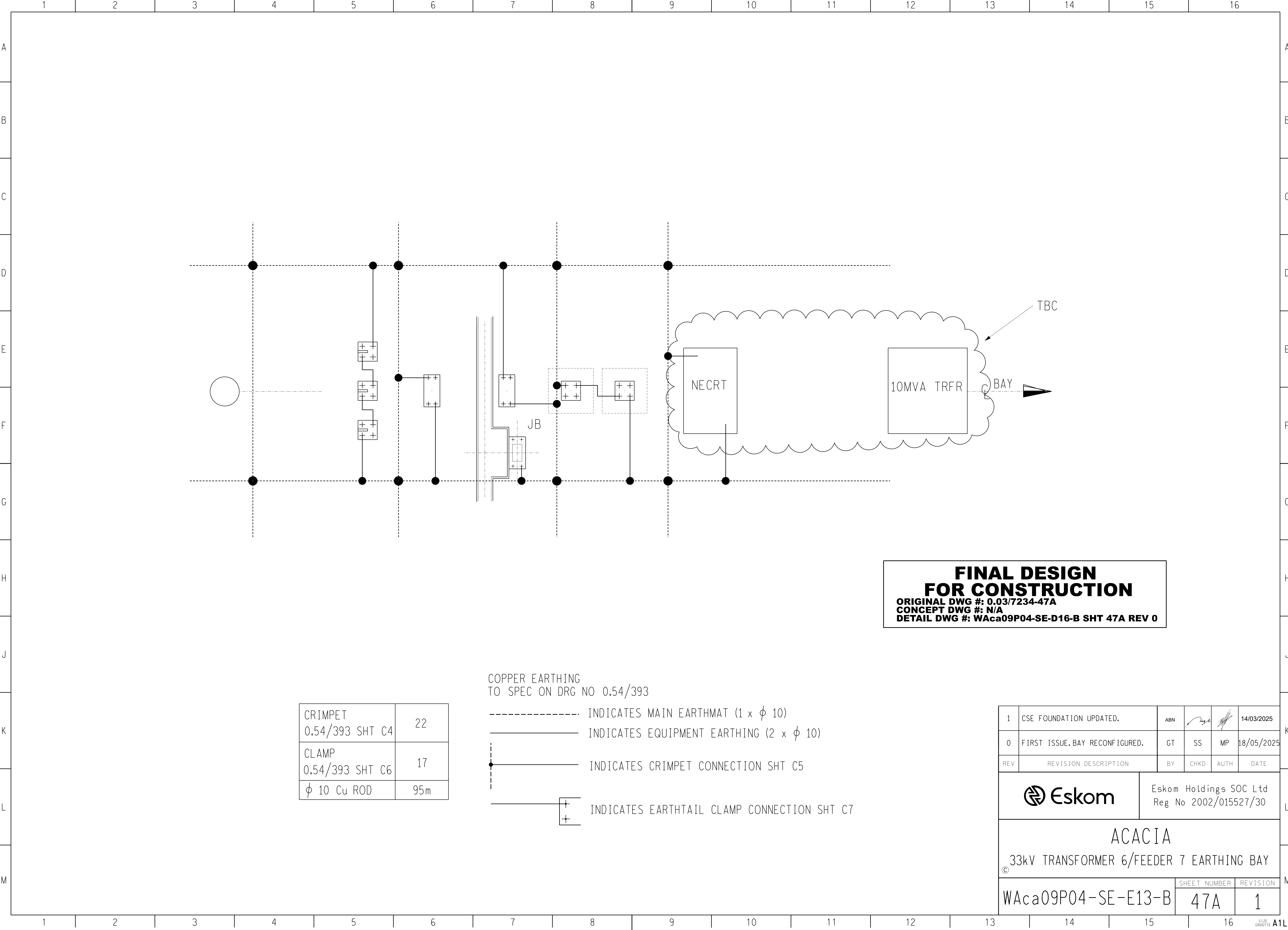
** SUPPLIED BY MANUFACTURER

FOUNDATION		A	B	C	D	E	F	G	H	J	K
FOUNDATION DRG No 0.54/		D-DT-5271 S1	-	8292	8288	4713 SHT 1	4358	4358	TBC	-	TBC
EQUIPMENT		C.S.E.	SA	ISOL.	CB	JB	CT	EMVT	NECRT	SA	10MVA TRFR
EQUIPMENT RATING	AMPS	-		1600	2500	-	1600	-	-	-	
	kA	-		25	25	-	20	-	-	-	
MAKER		-	COOPER	ACTOM	CROMPTON	-	ITT	ITT	-	COOPER	
EQUIPMENT STEM/PAD		ϕ38	12mm	4HHP	8HHP	-	ϕ38	ϕ26	ϕ26	12mm	
OUTLINE DRG No 0.54/		-	8340	7590	7569	-	7661	8105		8340	
STEELWORK DRG No 0.54/	SUPPORT	D-DT-5271 S2	0.03/13947	** 7695	**	-	302	302		MOUNTED ON TRFR	
	CAP	-	-	-		-	270	270			

CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION		
		SIZE	QUANTITY	
	BUSBAR	1x800mm ²	–	
	STRINGER AND DROPPER	1x400mm ²	150m	
	STRINGER AND DROPPER	1x150mm ²	6m	
	EQUIPMENT EARTHING (IS, ES, CVT, SA, PB & JB)	50x3 Cu	15m	
DESCRIPTION		MK	ITEM	QUANTITY
INSULATOR STRING ASSEMBLY		1	A40	6
33kV COMPOSITE INSULATOR		2	–	6
CLAMP		3	TBC	3
		4	EX–B	3
		5	EXC–B	6
		6	EPC–A	6
		7	EPC–B	6
		8	EX–A	6
12mm – ϕ16.25 LUG 45°		9	–	6
		10	ETC–C	9
		11	EXC–F	3
L-SHAPED EARTH STUD ADAPTOR PLATE TYPE ‘B’		12	–	6
COPPER EARTH STUD, 20kA		13	–	18

FINALL DESIGN FOR CONSTRUCTION
ORIGINAL DWG #: 0.03/7234-46 REV 0
CONCEPT DWG #: N/A
DETAIL DWG #: WAcA09P04-SE-D16-B SHT 47 REV 0

1	CSE UPDATED.	ABN			14/03/2025
0	BAY RECONFIGURED. FIRST ISSUE.	GT	SS	MP	18/05/2021
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA					
33kV TRANSFORMER 6/FEEDER 7					
©					
WAcA09P04-SE-E13-B			SHEET NUMBER	REVISION	
			47	1	



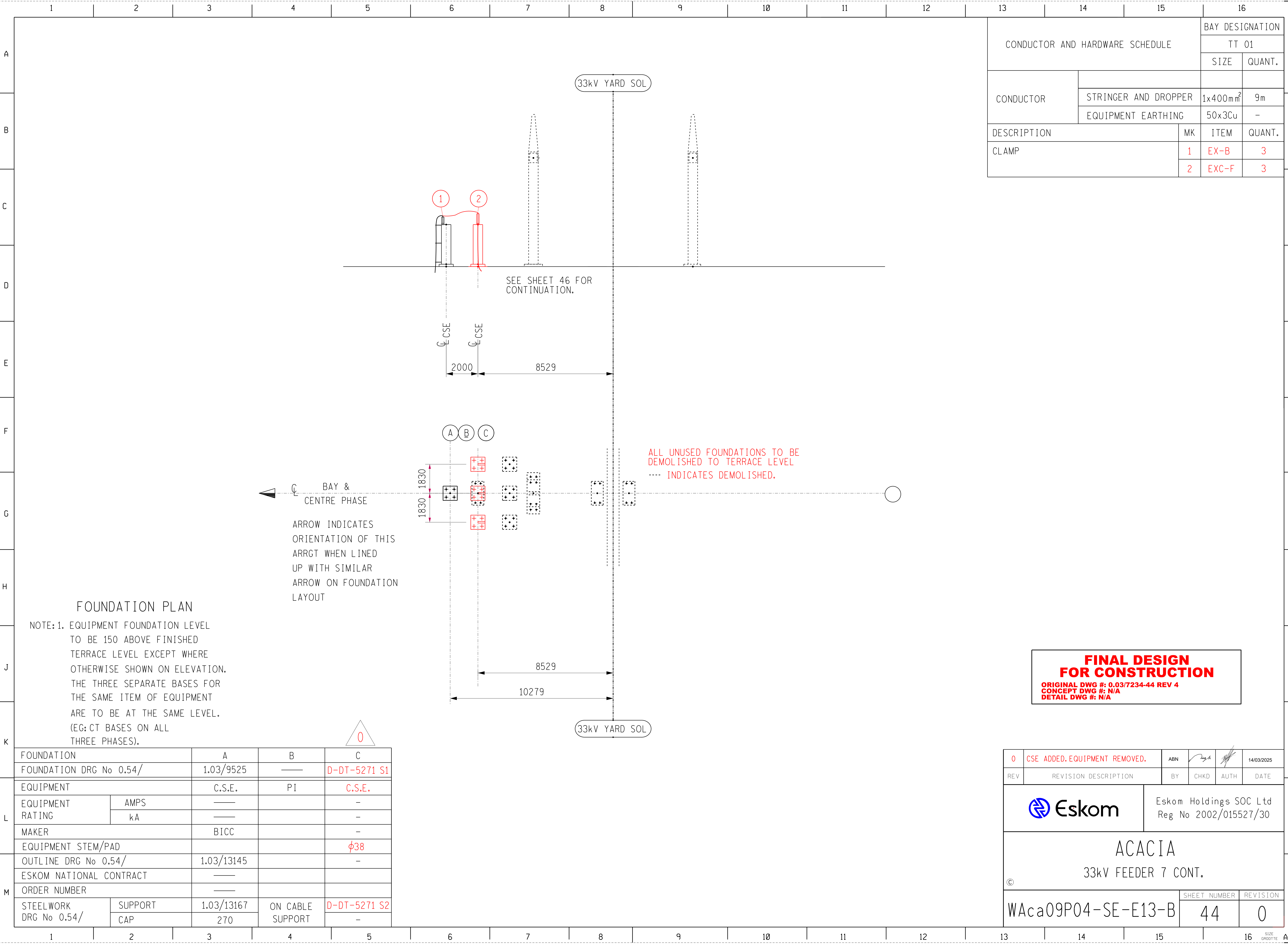
**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-47A
CONCEPT DWG #: N/A
DETAIL DWG #: WAc09P04-SE-D16-B SHT 47A REV 0

COPPER EARTHING
TO SPEC ON DRG NO 0.54/393

CRIMPET 0.54/393 SHT C4	22
CLAMP 0.54/393 SHT C6	17
ϕ 10 Cu ROD	95m

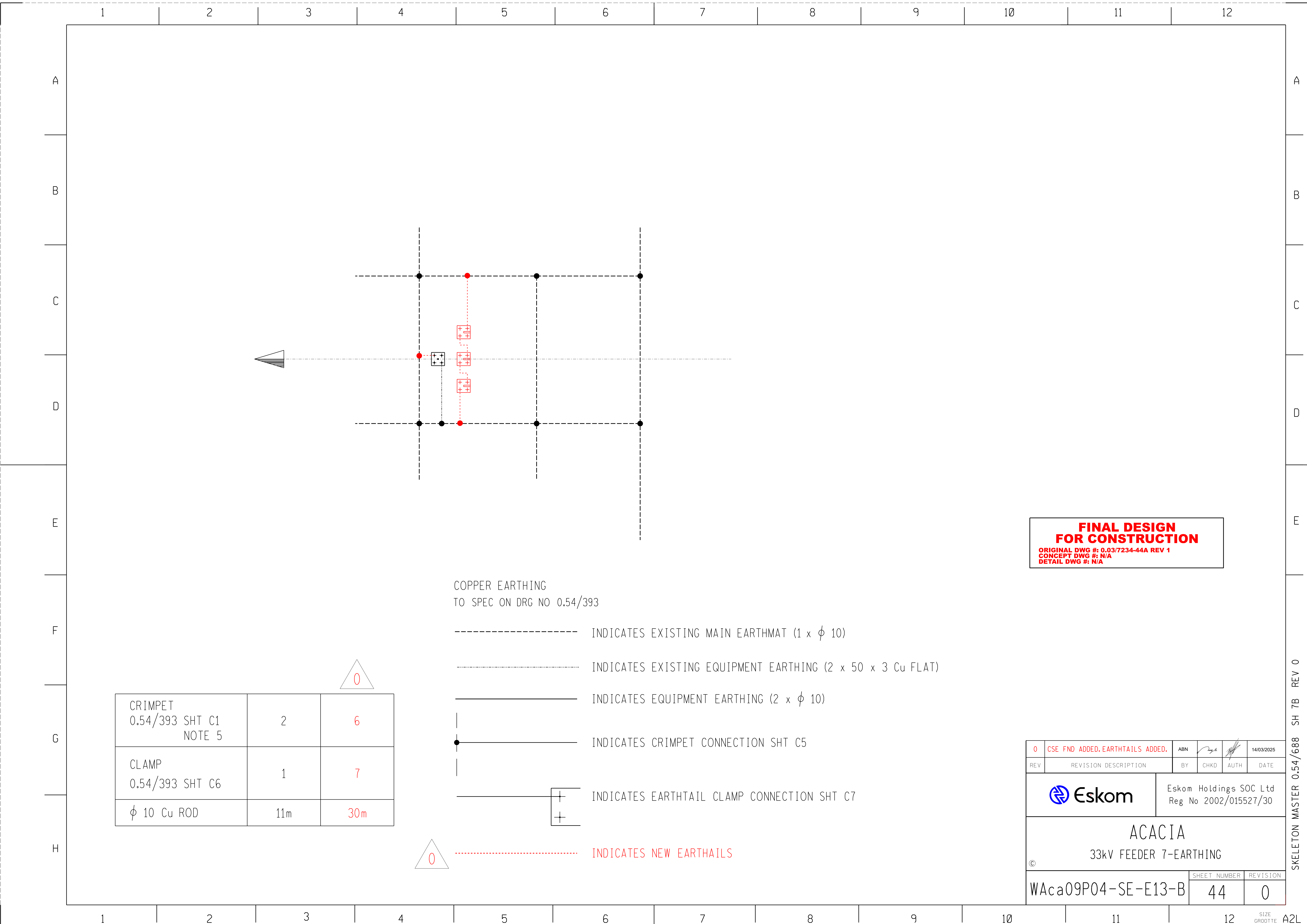
- INDICATES MAIN EARTHMAT (1 x ϕ 10)
- INDICATES EQUIPMENT EARTHING (2 x ϕ 10)
- INDICATES CRIMPET CONNECTION SHT C5
- [+]
[+] INDICATES EARTHTAIL CLAMP CONNECTION SHT C7

1	CSE FOUNDATION UPDATED.	ABN			14/03/2025
0	FIRST ISSUE. BAY RECONFIGURED.	GT	SS	MP	18/05/2025
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA 33kV TRANSFORMER 6/FEEDER 7 EARTHING BAY ©					
WAc09P04-SE-E13-B			SHEET NUMBER	REVISION	
			47A	1	



**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-44 REV 4
CONCEPT DWG #: N/A
DETAIL DWG #: N/A

0	CSE ADDED.EQUIPMENT REMOVED.	ABN			14/03/2025
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA 33kv FEEDER 7 CONT.					
©					
WAc09P04-SE-E13-B			SHEET NUMBER	REVISION	
			44	0	



COPPER EARTHING
TO SPEC ON DRG NO 0.54/393

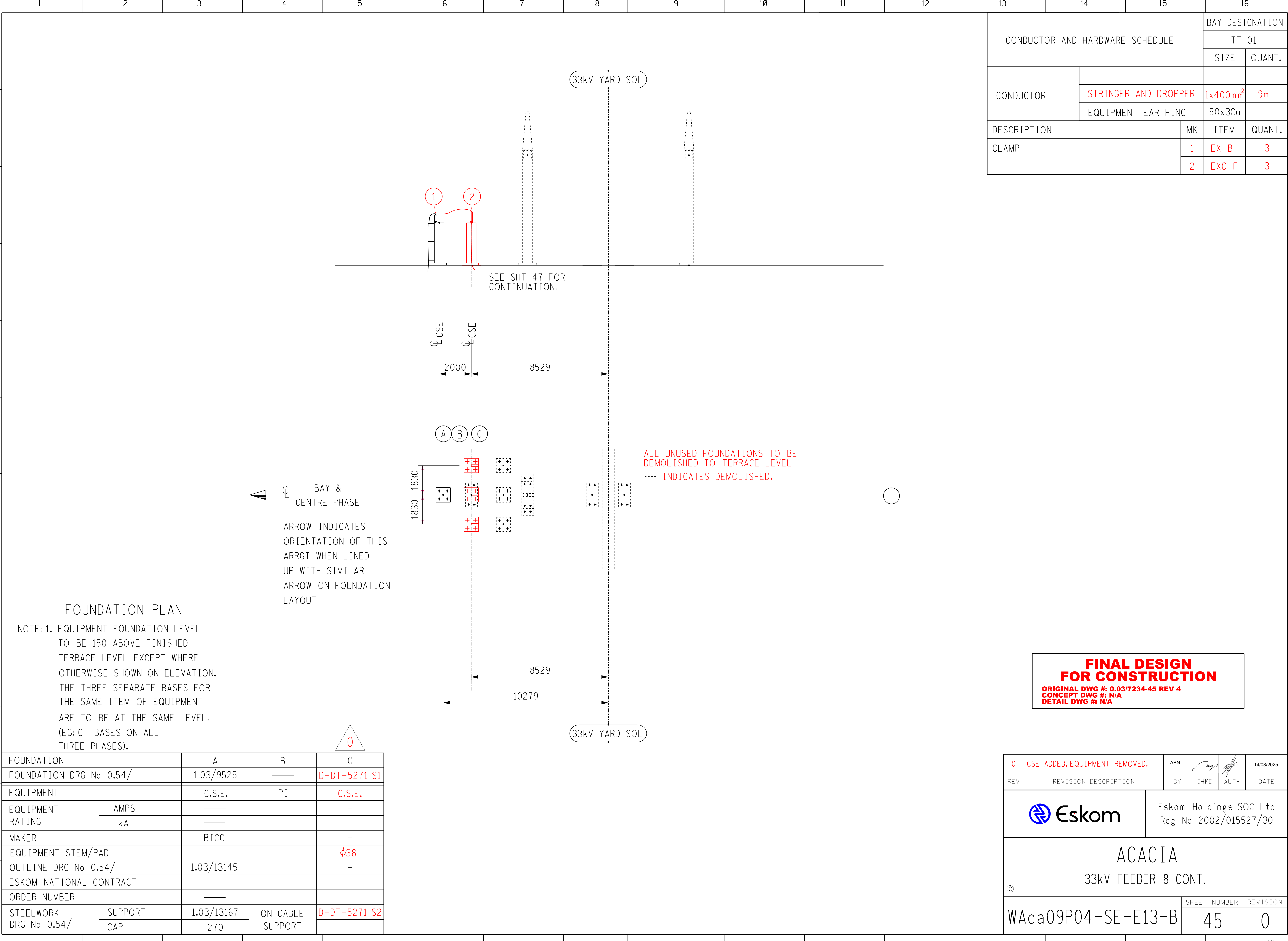
- INDICATES EXISTING MAIN EARTHMAT (1 x ϕ 10)
- INDICATES EXISTING EQUIPMENT EARTHING (2 x 50 x 3 Cu FLAT)
- INDICATES EQUIPMENT EARTHING (2 x ϕ 10)
- INDICATES CRIMPET CONNECTION SHT C5
- [+] INDICATES EARTHTAIL CLAMP CONNECTION SHT C7
- INDICATES NEW EARTHTAILS

CRIMPET 0.54/393 SHT C1 NOTE 5	2	6
CLAMP 0.54/393 SHT C6	1	7
ϕ 10 Cu ROD	11m	30m

**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-44A REV 1
CONCEPT DWG #: N/A
DETAIL DWG #: N/A

0	CSE FND ADDED.EARTHTAILS ADDED.	ABN			14/03/2025
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA 33kv FEEDER 7-EARTHING					
©		SHEET NUMBER		REVISION	
WAc09P04-SE-E13-B		44		0	

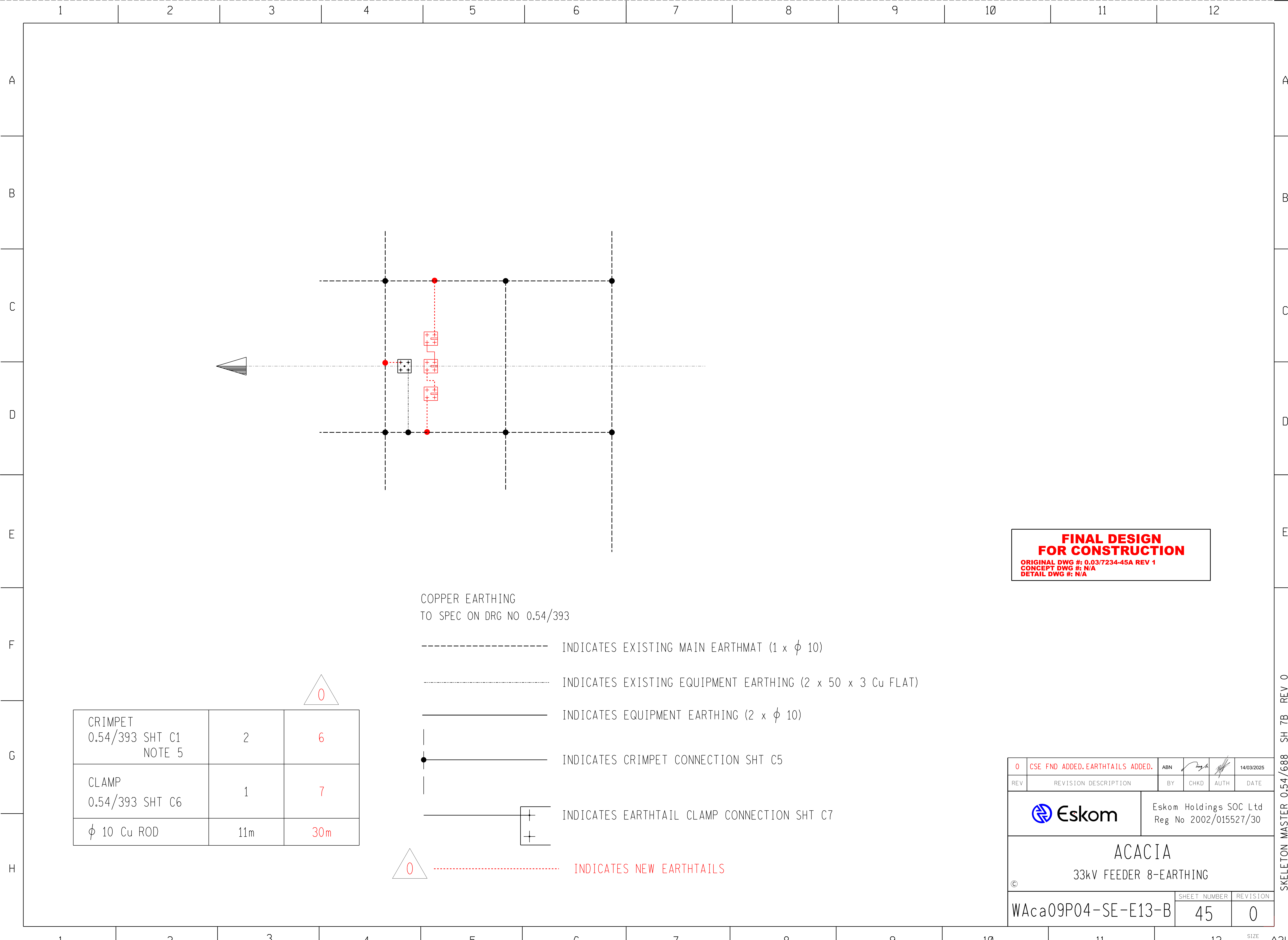
SKELETON MASTER 0.54/688 SH 7B REV 0



CONDUCTOR AND HARDWARE SCHEDULE		BAY DESIGNATION	
		TT 01	
		SIZE	QUANT.
CONDUCTOR	STRINGER AND DROPPER	1x400mm ²	9m
	EQUIPMENT EARTHING	50x3Cu	—
DESCRIPTION		MK	ITEM
CLAMP		1	EX-B
		2	EXC-F
			QUANT.
			3

**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-45 REV 4
CONCEPT DWG #: N/A
DETAIL DWG #: N/A

0	CSE ADDED.EQUIPMENT REMOVED.	ABN			14/03/2025
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA 33kv FEEDER 8 CONT.					
©			SHEET NUMBER		REVISION
WAc09P04-SE-E13-B			45		0



**FINAL DESIGN
FOR CONSTRUCTION**
ORIGINAL DWG #: 0.03/7234-45A REV 1
CONCEPT DWG #: N/A
DETAIL DWG #: N/A

COPPER EARTHING
TO SPEC ON DRG NO 0.54/393

- INDICATES EXISTING MAIN EARTHMAT (1 x φ 10)
- INDICATES EXISTING EQUIPMENT EARTHING (2 x 50 x 3 Cu FLAT)
- INDICATES EQUIPMENT EARTHING (2 x φ 10)
- ——— INDICATES CRIMPET CONNECTION SHT C5
- [+] ——— INDICATES EARTHTAIL CLAMP CONNECTION SHT C7
- INDICATES NEW EARTHTAILS

CRIMPET 0.54/393 SHT C1 NOTE 5	2	6
CLAMP 0.54/393 SHT C6	1	7
φ 10 Cu ROD	11m	30m

0	CSE FND ADDED.EARTHTAILS ADDED.	ABN			14/03/2025
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
 Eskom		Eskom Holdings SOC Ltd Reg No 2002/015527/30			
ACACIA					
33kv FEEDER 8-EARTHING					
©		SHEET NUMBER		REVISION	
WAc09P04-SE-E13-B		45		0	

SKELETON MASTER 0.54/688 SH 7B REV 0