

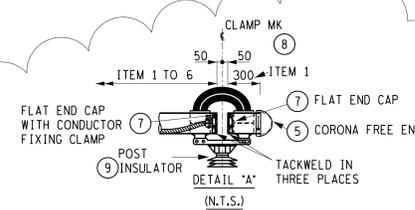
XA

XA1

Y

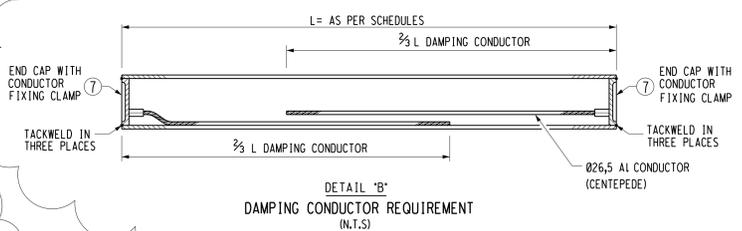
Y1

DETAIL A  
BUSBAR  
TOP OF FND



SCHEDULE 'C' DAMPING CONDUCTOR	
DESCRIPTION	QUANTITY
CENTIPEDE (400mm <sup>2</sup> )	1560m
DAMPING CONDUCTOR SLEEVE	180

SCHEDULE 'D' DAMPING CONDUCTOR	
DESCRIPTION	QUANTITY
CENTIPEDE (400mm <sup>2</sup> )	1267,2m
FERRULE LENGTH 50 mm	144



- NOTES
- ALL TUBES 200 DIA x 6 WT ALUMINIUM ALLOY - TYPE 6061-T6. FOR FURTHER INFORMATION SEE 240-171000067.
  - TUBE LENGTHS GIVEN ARE NOMINAL BEFORE TRIMMING TO FINAL MEASURED REQUIREMENTS AND THE ITEM NUMBERS CORRESPOND TO THOSE ITEMS OF TUBE LISTED IN SCHEDULES A, B AND C OF 'SPECIFICATION FOR SUPPLY AND INSTALLATION OF TUBULAR AL CONDUCTORS AT MOOKODI SUBSTATION-132KV YARD.
  - = - INDICATES END CAPS WHICH ARE TO BE COLOUR CODED AS FOLLOWS:  
4 RED, 4 BLUE, 4 WHITE
  - BUSBAR SUPPORTS, SUPPORT CAPS AND LABEL SUPPORT FRAME BRACKETS - ARE CAPTURED IN STEELWORK MARKING PLAN Moo21P05-SE-E10.

SCHEDULE 'A' OF BUSBAR CLAMPS						
MK	DESCRIPTION	ITEM	QUANTITY			
			A	B	C	D
1	200 - 200 TUBE EXPANSION CLAMP FIXED/SLIDE 127mm PCD	TBFX-200/127/FS	72			
2	200 BUS SUPPORT SLIDING CLAMP 127mm PCD	TBSC-200/127	24			
3	TUBULAR BUSBAR FLAT END CAP WITH CONDUCTOR FIXING CLAMP - 200 O.D. x 188 I.D.	TBEC/C-200	144			
4	200 - 200 TUBE COUPLER CLAMP	TBC-200/200	24 - 6			
5	CORONA FREE END CAP.	TBEC/CR-200	12 - 12			
6	132kV POST INSULATOR (10kN)		96			

SCHEDULE E - TUBULAR BUSBAR CLAMPS (STAGE 1)				
MK	DESCRIPTION	TYPE	QTY	
5	CORONA FREE END CAP. (* - REUSE EXISTING)	ETEC-CF-F	12 + 6	
7	TUBULAR BUSBAR FLAT END CAP WITH CONDUCTOR FIXING CLAMP - φ200 O.D. x 188 I.D.	ETEC-DC-F	156	
8	φ200 - 200 TUBE EXPANSION CLAMP FIXED/SLIDE 127mm PCD	EEC-PI-FS-P	72	
9	132kV POST INSULATOR (10kN)		72	

SCHEDULE 'B' OF φ200 X 6WT BUSBAR TUBES				
ITEM No	LENGTH (mm)	REMARKS	A	B
1	3600	TO BE CUT INTO 12 LENGTHS OF 300mm EACH - FOR USE AT BUSBAR ENDS.	1	
2	13200		42	
3	10300	NOTE 2	12 - 3	
4	11700		12 - 3	
5	14400		24	

SCHEDULE F - φ200 x 6WT BUSBAR TUBES				
ITEM No	LENGTH (mm)	QUANTITY	REMARKS	
1	300	15	REUSE THE EXISTING 12 LENGTHS OF 300mm AT NEW BUSBAR ENDS.	
2	13200	72	SEE NOTES 2	

**FINAL DESIGN FOR CONSTRUCTION**  
 ORIGINAL DRG #: 0.18/31783 REV 0  
 CONCEPT DRG #: N/A  
 DETAIL DRG #: MOO21P05-SE-D12-1 REV 0

0	132kV BUSBAR EXTENDED ON BOTH ENDS. SCHEDULES D, E & F ADDED. 132kV BBI BS2 INSTALLED.					E3	STATION ELECTRIC	
REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	Moo21P05-SE	REFERENCE DRAWINGS	
APPROVED BY	R Ramnarain						Eskom Holdings SOC Ltd Reg No 2002/015527/30	
DATE	15/08/2025						MOOKODI 132kV YARD TUBULAR BUSBAR LAYOUT	
CHECKED BY	[Signature]						MOOKODI 132kV YARD TUBULAR BUSBAR LAYOUT	
DATE	15/08/2025						SCALE 1:500	
DRAWN BY	[Signature]						SHEET NUMBER 1 OF 2	
DATE	15/08/2025						REVISION 0	