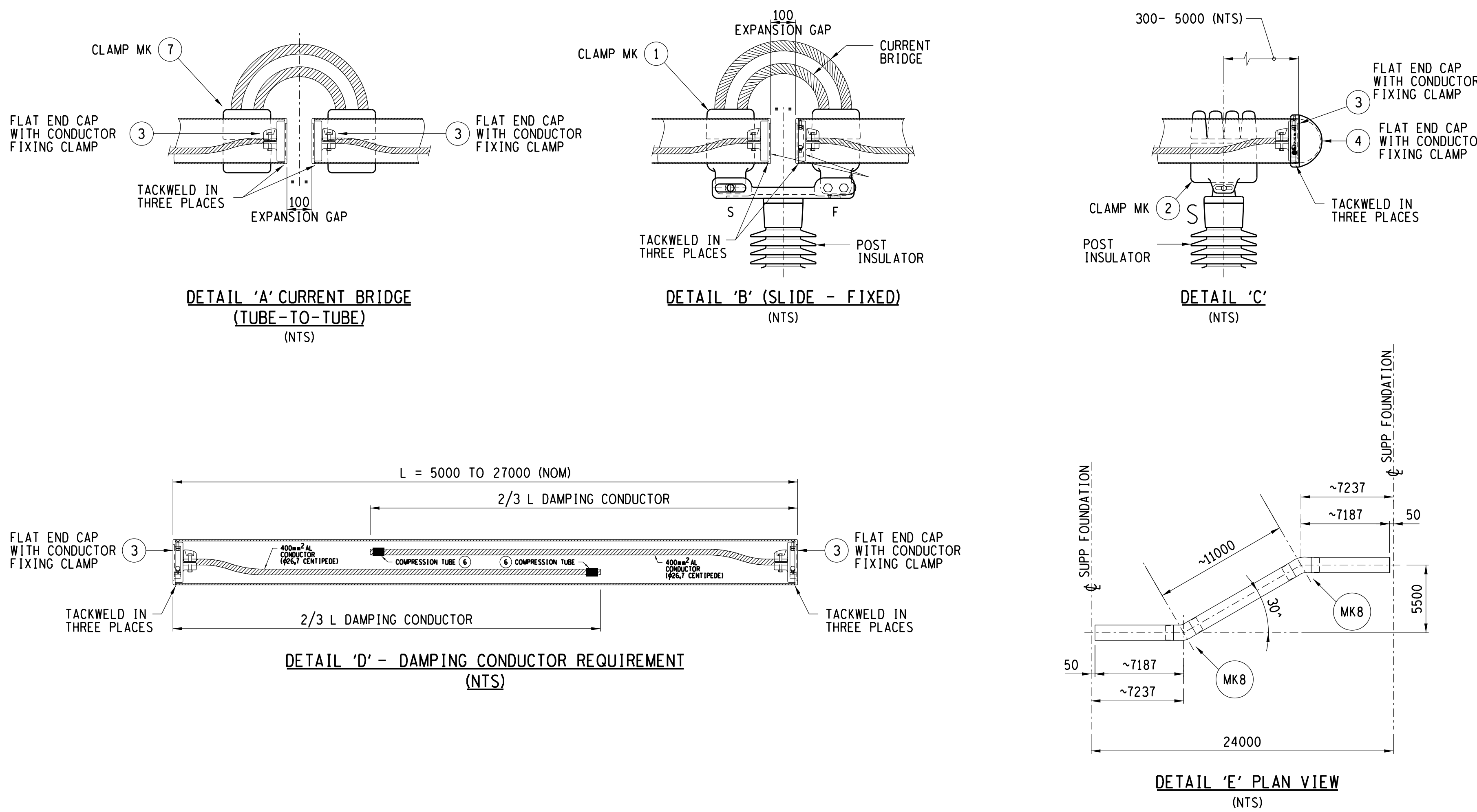


SCHEDULE A - TUBULAR BUSBAR CLAMPS (STAGE 1)			
MK	DESCRIPTION	TYPE	QTY
1	Ø250 TO Ø250 TUBE EXPANSION CLAMP FIXED/SLIDE 225mm PCD	EEC-PI-FS-R	-
2	Ø250 COUPLING CLAMP - PI MOUNTED - SLIDE	ECC-PI-S-K	48
3	TUBULAR BUSBAR FLAT END CAP WITH CONDUCTOR FIXING CLAMP - Ø250 OD x Ø238 ID	ETEC-DC-H	R 20 W 20 B 20
4	Ø250 TUBE CORONA FREE END CAP.	ETEC-CF-G	R 6 W 6 B 6
5	400kV POST INSULATOR (10kN)		42
6	DAMPING CONDUCTOR COMPRESSION SLEEVE (FERRULE) 50mm LONG.		60
7	Ø250-Ø250 CURRENT BRIDGE-TUBE-TO-TUBE	ECB-TT-G	24
8	WELDED INSERT - 30 DEGREES	EWI-30-G	6

SCHEDULE B - Ø250 x 6WT BUSBAR TUBES			
ITEM No	LENGTH (mm)	QUANTITY	REMARKS
1	5000	12	SEE NOTES 2, 3 & 4
2	22300	6	SEE NOTES 2, 3 & 4
3	24000	9	SEE NOTES 2, 3 & 4
4	22000	3	SEE NOTES 2, 3 & 4. TUBES CUT ON SITE AS PER DETAIL E

SCHEDULE C - DAMPING CONDUCTOR	
DESCRIPTION	QUANTITY
CENTIPEDE (400mm ² AAC)	630m

- NOTES:
- ALL TUBES 250 DIA x 6 WT ALUMINIUM AS PER SPECIFICATIONS FOR FURTHER INFORMATION SEE SPECIFICATION FOR SUBSTATION TUBULAR CONDUCTORS (240-122922610).
 - 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 & C OF SPECIFICATION FOR SUPPLY & INSTALLATION OF TUBULAR AL CONDUCTORS.
 - TUBES TO BE TRIMMED TO ALLOW FOR A SYMMETRICAL GAP OF 100mm ON THE CLAMP MARKED 7
 - ALL END CAPS SHOULD BE COLOUR CODED AS PER QUANTITIES INDICATED FOR MK 3 & 4.
 - THE QUANTITIES FOR STEELWORK ARE INDICATED IN STEELWORK MARKING PLAN DRG. No. SOLP21P05-SE-D13
 - THE QUANTITIES FOR FOUNDATION ARE INDICATED IN THE FOUNDATION & TRENCH LAYOUT SOLP21P05-SE-D8



**DETAILED DESIGN
NOT FOR CONSTRUCTION**
ORIGINAL DWG #: 0.12/7799 REV 2
CONCEPT DWG #: N/A

1 BUSBAR SPACING REVISED TO 24m SCHEDULES & GENERAL CAD REVISION		010 BAY LAYOUT	
0 BUSBAR LAYOUT TO ACCOMMODATE 400KV FOR 3 AND DIAMETER CC		011 STEELWORK	
REVISION DESCRIPTION		012 OVERHEAD LANTERN	
APPROVED BY	DATE: 18/03/2022	013 FOUNDATION	1309/2023
CHECKED BY	DATE: 18/03/2022	014 KEY PLAN	
DRAWN BY	DATE: 18/03/2022	015 STATION ELECTRIC	
SCALE: 1:500			
Eskom Holdings SOC Ltd Reg No 2002/015521/30		UPINGTON 400kV TUBULAR BUSBAR (STAGE 2) LAYOUT	
SHEET NUMBER		REVISION	
SolP21P05-SE-D12		1	