



**SCHEDULES:**

**CLAMPS:**

MARK	CODE	DESCRIPTION	SIZE In mm
1	EX-A	CLAMPS (BOLTED-BOLTED)	16,3 to 26
2	EX-B	CLAMPS (BOLTED-BOLTED)	26 to 26,5
3	EX-C	CLAMPS (BOLTED-BOLTED)	16,3 to 38
4	EX-D	CLAMPS (BOLTED-BOLTED)	26,5 to 38
5	EXC-A	CLAMPS (BOLTED-COMPRESSION)	26 to 26,5
6	EXC-B	CLAMPS (BOLTED-COMPRESSION)	38 to 26,5
7	EXC-C	CLAMPS (BOLTED-COMPRESSION)	38 to 38,3
8	EXC-F	CLAMPS (BOLTED-COMPRESSION)	38 to 26,5
9	ETC-J	CLAMPS (BOLTED-COMPRESSION)	26 to 26,5
10	ETC-K	CLAMPS (BOLTED-COMPRESSION)	38,3 to 26,5
11	ETC-K	CLAMPS (BOLTED-COMPRESSION)	38,3 to 38,3
12	EUT-C	TEE CLAMPS (BOLTED-BOLTED)	12-19 to 22-28
13	KCP-38/127	FIXED CONDUCTOR SUPPORT CLAMPS	38 to PCD 127
14	EXP-B	STUD PALM CLAMPS (BOLTED-BOLTED)	38,3 to PALM
15	EPC-A	PALM CLAMPS (BOLTED-COMPRESSION)/ PALM ØDG	26,5 to (5ØX50)
16	HORNET LUG	TERMINAL LUG	
17	BAR	ALUMINIUM BAR V	750mm x 38mm
18	KCP 26/127	FIXED CONDUCTOR SUPPORT CLAMPS	26/127
19	EPC-D	PALM CLAMPS (BOLTED-COMPRESSION)/ PALM ØDG	38,3 to (5ØX50)
20	EPC-B	PALM CLAMPS (BOLTED-COMPRESSION)/ PALM 45DG	26,5 to (5ØX50)
21	EXC-S	CLAMPS (BOLTED-COMPRESSION)	60 to 26,5

- NOTES:**
- EQUIPMENT NOT FITTED WITH DIA.26mm OR DIA.38mm BRASS ØNGS MUST BE FITTED WITH TINNED DIA.26mm OR DIA.38mm BRASS PRONGS DRILLED AND TAPPED TO APPROPRIATE SIZES.
  - ALL SURFACE AREAS OF CONDUCTOR OR CONTACT AREA OF CONNECTION CLAMPS MUST BE TREATED AS DESCRIBED PRIOR TO MAKING A CLAMPED OR CRIMPED CONNECTION.
    - a) APPLY THIN LAYER OF NON OXID GREASE TO SURFACE AREA.
    - b) BRUSH NON-OXID GREASED AREA THOROUGHLY WITH A CLEAN WIRE BRUSH.
    - c) WIPE SURFACE AREA CLEAN WITH RAG AND IMMEDIATELY APPLY A FRESH LAYER OF NON OXID GREASE TO CLEAN SURFACE AREA.
    - d) FIT CLAMP TO CONNECTOR PRONG OR CONDUCTOR AND TORQUE TO:
      - d.1) 12mm GALVANISED STEEL BOLTS - 45NM.
      - d.2) 12mm ALUMINIUM BOLTS - 35NM.
      - d.3) 10mm GALVANISED STEEL BOLTS - 26NM.
      - d.4) 10mm ALUMINIUM BOLTS - 21NM.
  - NOTE: ALL BUSBAR CLAMPS TO BE RATED AT 2500A.
  - SEE SHEET 2 FOR THE TOP VIEW OF THE SECTIONS.
  - CONDUCTOR INFORMATION:
    - BARE CENTIPEDE CONDUCTOR TO BE USED FOR THE 66kV JUMPERS.
    - BARE BULL CONDUCTOR TO BE USED FOR 11kV FEEDERS.
    - INSULATED BULL CONDUCTOR TO BE USED FOR 11kV TRANSFORMER SIDE.
    - 22kV VT JUMPERS TO BE BARE CENTIPEDE CONDUCTOR.
    - 66kV BUS COUPLER TO BE CENTIPEDE CONDUCTOR.
    - 66kV BUSBAR IS TO BE CENTIPEDE CONDUCTOR.
    - 66kV STRINGERS TO BE CENTIPEDE CONDUCTOR.
    - EARTH WIRE TO BE ØM CONDUCTOR

SHEET 11	TRENCH AND FENCE
SHEET 10	TRFR 3 PLINTH LAYOUT
SHEET 09	TRFR 1 & 2 PLINTH LAYOUT
SHEET 08B	SECTION AND CLAMPS
SHEET 07	GENERAL ARRANGEMENT
SHEET 06	STEELWORK LAYOUT
SHEET 05	FOUNDATION LAYOUT
SHEET 04	EARTH MAT LAYOUT
SHEET 02	SITE PLAN
SHEET 01B	STATION ELECTRIC DIAGRAM
SHEET 01A	STATION ELECTRIC DIAGRAM
DRG NO.	REFERENCE DRAWINGS:

4	DRAWING UPDATED	MC	BMH	RR	30/07/2021	
3	DRAWING UPDATED		BMH	MC	RR	04/04/2017
2	REFURBISHMENT OF ON 66kV & 66kV BUS-COUPLER ADDED	BK	TM			
1	REDRAWN TO THE NEW STANDARD & 11kV FEEDER ADDED	ST	MG	NMW	23/05/2002	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.

**Eskom Distribution**

**GOODHOPE TEXTILE**

66/11kV SUBSTATION

SECTION AND CLAMPS

D-EC-1541

SET	SHEET	REVISION
11	8A	4