



**SCHEDULES:**

**QUANTITIES**

LEGEND	DESCRIPTION
---	MAIN EARTH MAT TO BE 101 ROUND COPPER 500mm UNDER GROUND LEVEL.
---	EARTH TAILS 3,15mm x 50mm FLAT COPPER STRAPS
---	BRAZED JOINTS TO BE OXY-ACETYLENE BRAZED USING 3mm SILBRALLOY BRAZING RODS. NO CRIMPING ALLOWED.
→	EARTH MAT TO BE EXTENDED IN THE DIRECTION OF ARROW
◆	INSTALL 3-OFF BALL JOINT FOR PORTABLE EARTH ON STEELWORK. SEE D-DT-6081 FOR DETAILS OF BALL JOINT

- NOTES:**
- FOR STANDARD EARTHING SPEC. SEE DRAWING D-DT-5240 LATEST REVISION, ALTHOUGH SPEC. MENTIONS CRIMPING, NO CRIMPING ARE ALLOWED. ALL JOINTS TO BE SILBRALLOY BRAZING.
  - ALL TINNED COPPER MUST BE TREATED AS DESCRIBED PRIOR TO MAKING A CONNECTION: a) WASH AND BRUSH TINNED AREA IN WATER, b) APPLY THIN LAYER OF NON OXIDE GREASE ONLY TO TINNED AREAS FACING GALV. STEELWORK.
  - WHERE CONNECTION IS MADE TO GALVANISED STEELWORK THE SURFACE SHALL BE COATED WITH NON OXIDE GREASE PRIOR TO BOLTING.
  - ALL GATES & REMOVABLE PANELS ARE TO BE BRIDGED WITH AN EARTH CONNECTION VIA THE SHORTEST POSSIBLE ROUTE.
  - EARTHING BALLS ARE TO BE INSTALLED WITH INPUT FROM TSD. THE POSITION ARE INCLUDED IN THE DRAWING.

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
4	ADDED SIEMENS CONTROL BOX KIOSK	BMH	MG	RR	02/08/2021	
3	DRAWING UPDATED	BMH	MG	RR	04/04/2017	
2	REFURBISHMENT OF ON 66kV & 66kV BUS-COUPLER ADDED	BK	MG			
1	REDRAWN TO THE NEW STANDARD & 11kV FEEDER ADDED	ST	MG	NMW	23/05/2002	

  

SHEET NO.	TITLE
SHEET 01	TRENCH AND FENCE
SHEET 02	TRFR 3 PLINTH LAYOUT
SHEET 03	TRFR 1 & 2 PLINTH LAYOUT
SHEET 04	SECTIONS & CLAMPS
SHEET 05	SECTIONS & CLAMPS
SHEET 06	GENERAL ARRANGEMENT
SHEET 07	STEELWORK LAYOUT
SHEET 08	FOUNDATION LAYOUT
SHEET 09	LEVEL & DRAINAGE
SHEET 10	SITE PLAN LAYOUT
SHEET 11	STATION ELECTRIC DIAGRAM
SHEET 12	STATION ELECTRIC DIAGRAM

**Eskom Distribution**

**GOODHOPE TEXTILE**

66/11kV  
EARTH MAT LAYOUT

D-EC-1541

SCALE: 1:200

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SET	SHEET	REVISION
11	4	4