



- NOTES:
- 1 CONCRETE WORK TO BE IN ACCORDANCE WITH SANS 1200.
  - 2 CONCRETE STRENGTH AT 28 DAYS = 25MPa.
  - 3 CONCRETE STRENGTH FOR BLINDING LAYER AT 28 DAYS = 15MPa.
  - 4 ALL TOP EDGES OF FOUNDATION TO HAVE 25-35mm CHAMFER.
  - 5 FOR HEIGHT OF FOUNDATION SEE FOUNDATION LAYOUT.
  - 6 COMPACTION OF THE BOTTOM OF FOUNDATIONS SHALL BE COMPACTED TO 93% OF MOD. AASHTO.
  - 7 DO NOT GROUT UNDER SUPPORT BASE PLATE.
  - 8 OFF SHUTTER FINISH TO UPPER SIDES OF FOUNDATION TO EXTEND TO 100mm BELOW GROUND LEVEL.
  - 9 ONLY STEEL SHUTTERING MAY BE USED.
  - 10 ONLY STEEL TEMPLATE MAY BE USED FOR SETTING H.D. BOLTS.
  - 11 BOLTS, NUTS & WASHERS TO BE IN ACCORDANCE WITH SANS 1700.
  - 12 H.D. BOLTS AND NUTS TO PROTRUDE 130mm ABOVE FINISHED FOUNDATION LEVEL.
  - 13 NON OXIDE PASTES MUST BE USED ON ALL EARTH CONNECTIONS TO H.D. BOLTS.
  - 14 ALL EARTHING TO CONFORM TO D-DT-5240.
  - 15 FOR PRICING THE AVERAGE LENGTH OF 15m FLAT COPPER INCLUDE THE COPPER BETWEEN FOUNDATIONS AND MAIN EARTH GRID AND 2 X 3m TAILS. FLAT COPPER MUST HAVE A MINIMUM DEPTH OF 500mm.
  - 16 NO CONCRETE TO BE POURED WHERE THE AIR TEMPERATURE WILL DROP BELOW 4 DEG CELSIUS IN 8 HOURS AFTER POURING OF CONCRETE UNLESS A SUITABLE APPROVED ADDITIVE IS ADDED TO THE CONCRETE MIXES.
  - 17 THIS FOUNDATION IS ONLY FOR SOIL TYPE 1 AND 2.

HD BOLT SCHEDULE								
BOLT SIZE	MILD STEEL	PITCH	LENGTH	NO OFF	NO OFF	NO OFF	TOTAL MASS	TORQUE
mm	GRADE	mm	mm	HD BOLTS	NUTS	WASHERS	kg	Nm
24	4.8	3	500	8	32	32	18.42	359-407

SCHEDULE OF QUANTITIES @ 150mm	ITEM	HEIGHT (MAX)	WEIGHT (MAX)
EXCAVATION VOLUME = 2.34m <sup>3</sup>	TUBULAR SUPPORT	2.15m	242.39kg
CONCRETE VOLUME = 2.69m <sup>3</sup>	EQUIPMENT	1.95m	663kg
SHUTTERING AREA = 1.75m <sup>2</sup>	BEARING CAPACITY		
50x3mm FLAT COPPER = 20.25kg	FOUNDATION = 150kPa		SOIL TYPE 1 & 2
CLASS 6 uPVC PIPE 110mm OD LENGHT 1m BENDING RADIUS 280mm			

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS					
9	HEIGHT & WEIGHT OF SUPPORT & EQUIPMENT ADDED	GJB	MDB	NMW	16/05/2013
8	REDRAWN, NOTES UPDATED	PAT	RK	BPH	03/09/2010
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
Eskom		CIRCUIT BREAKER - 66kV TUBULAR SUPPORT FOUNDATION DETAILS - CABLE PIPE (SOIL TYPE 1 & 2)			
AUTH: R GUSH		DATE: 29/09/1999		CHKD: N WEBBER	
DATE: 25/04/1999		DRAWN: TMB		DATE: 20/04/1999	
SAP No. 0182926		SCALE 1:20		THIS DRAWING IS THE PROPERTY OF Eskom	
D-DT-5201			SET	SHEET	REVISION
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