

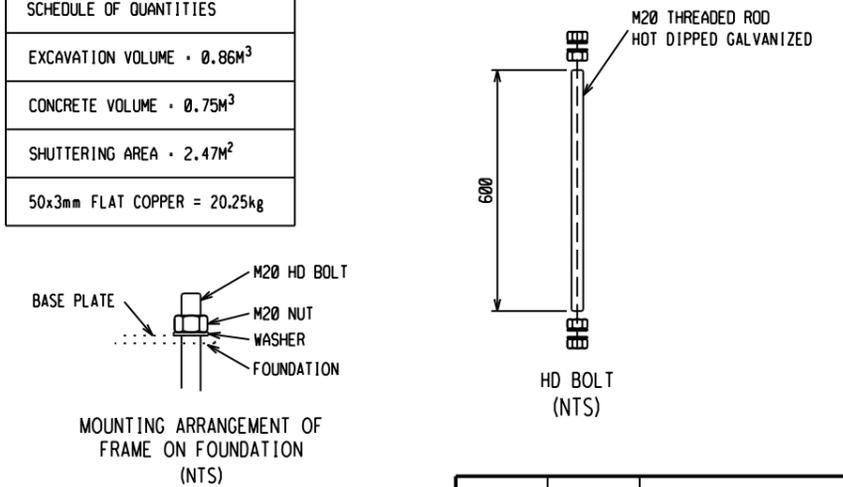
**NOTES:**

- 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 25mm CHAMFER.
- 5 FOR HEIGHT OF FOUNDATION SEE FOUNDATION LAYOUT.
- 6 COMPACTION OF THE BOTTOM OF FOUNDATIONS SHALL BE COMPACTED TO 93% 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 75mm ABOVE FINISHED FOUNDATION LEVEL.
- 13 NON OXIDE IS TO 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 INCLUDES THE COPPER BETWEEN FOUNDATION AND MAIN EARTH GRID AND 2 X 3M TAILS. FLAT COPPER TO HAVE A MINIMUM DEPTH OF 500MM.
- 17 REINFORCING TO HAVE A MIN CONCRETE COVER OF 50MM.
- 18 ALL REINFORCING BARS TO BE MEASURED & BENT IN ACCORDANCE TO SANS 1478.
- 19 NO CONCRETE TO BE POURED WHERE THE AIR TEMPERATURE WILL DROP BELOW 4 DEG CELCIUS IN 8 HOURS AFTER POURING OF CONCRETE UNLESS A SUITABLE APPROVED ADDITIVE IS ADDED TO THE CONCRETE MIX.

HD BOLT SCHEDULE								
BOLT SIZE mm	MILD STEEL GRADE	PITCH mm	LENGTH mm	NO OFF HD BOLTS	NO OFF NUTS	NO OFF WASHERS	TOTAL MASS kg	TORQUE Nm
20	4.8	3	600	4	16	16	7.65	359-407

REINFORCEMENT SCHEDULE							
MK	TYPE & SIZE	TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	SHAPE CODE	BENDING REMARKS
1	Y10	8	850	6.8	4.20	37	200 650
2	R10	4	2095	8.39	5.16	60	750 X 235
3	245	-	-	-	3.13	245 MESH	1700 X 750

SCHEDULE OF QUANTITIES	
EXCAVATION VOLUME	• 0.86M <sup>3</sup>
CONCRETE VOLUME	• 0.75M <sup>3</sup>
SHUTTERING AREA	• 2.47M <sup>2</sup>
50x3mm FLAT COPPER	= 20.25kg



DRG NO.		SHEET NO.		REFERENCE DRAWINGS:		
THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS						
0	FIRST ISSUE			/ /		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
AUTH: R REDDY		SIEMENS 132KV 1P BKR CONTROL CABINET FOUNDATION DETAILS				
DATE: 20/07/2020						
CHKD: N WEBBER						
DATE: 20/07/2020		D-EC-1955		SET	SHEET	REVISION
SCALE 1:20		DRAWN: BM HLOMENDLINI			20	0
THIS DRAWING IS THE PROPERTY OF ESKOM		DATE: 18/07/2020				