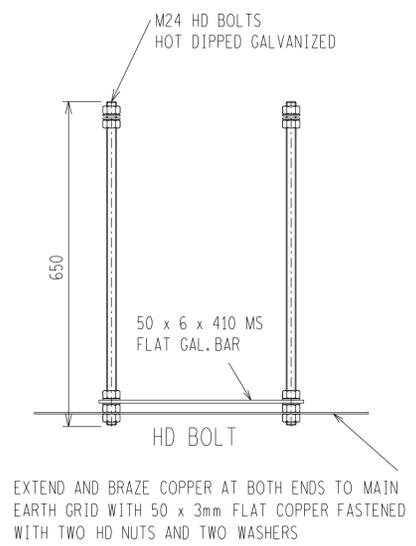
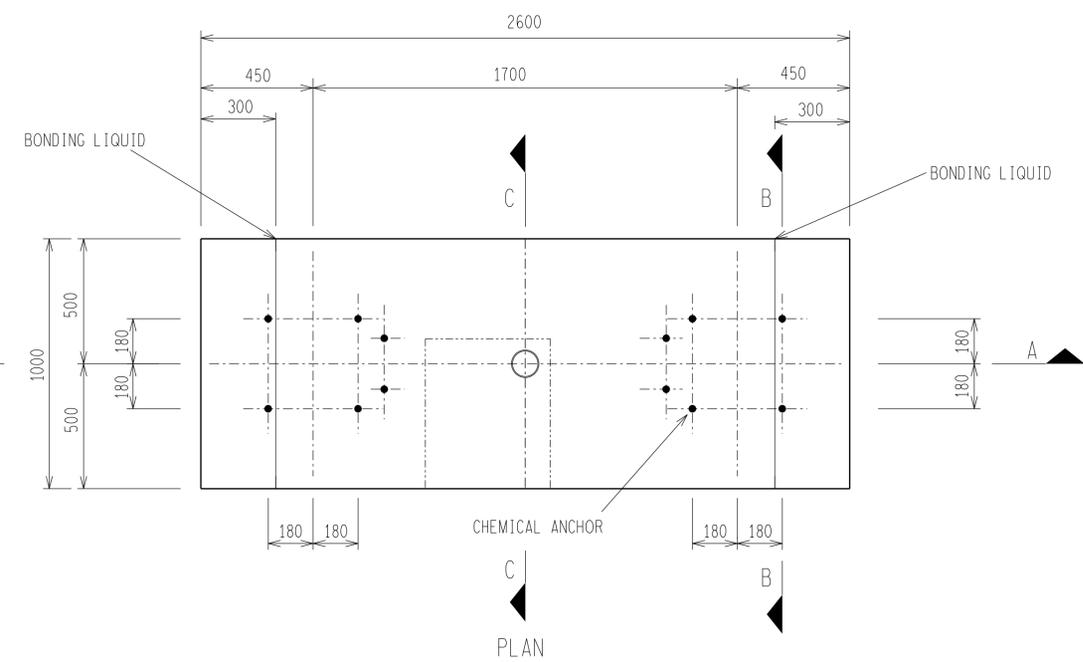
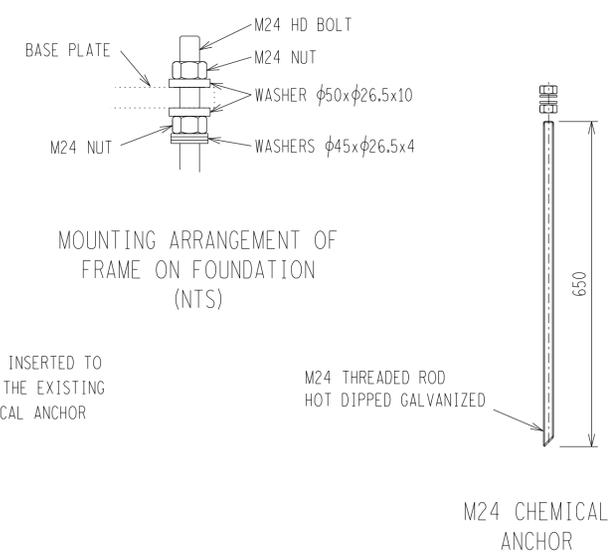
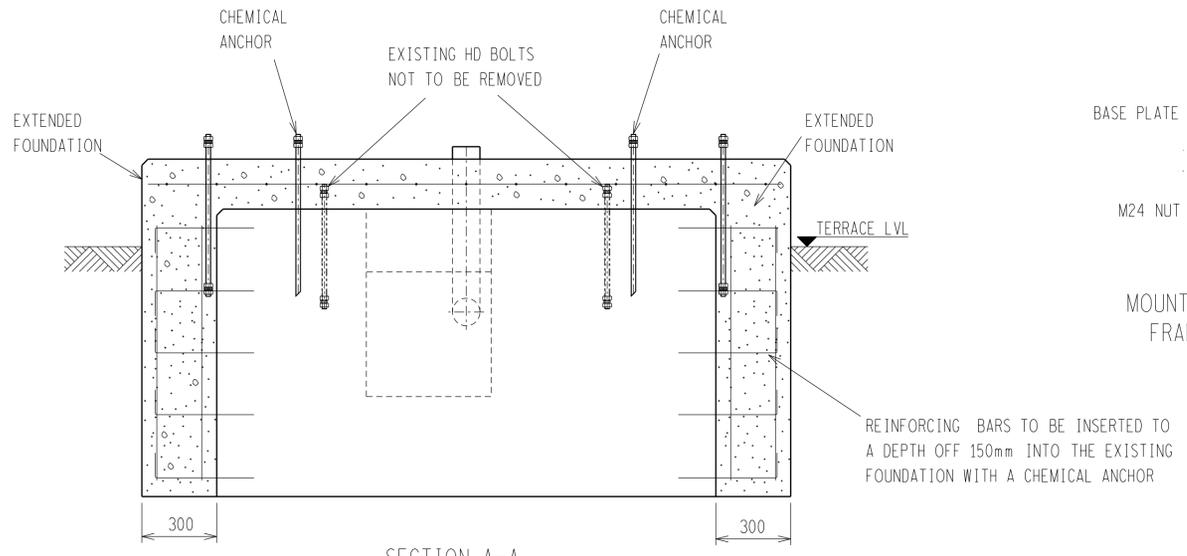


**NOTES:**

- 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% MOD. AASHTO.
- 7 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.
- 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 REINFORCING TO HAVE A MIN CONCRETE COVER OF 50mm.
- 16 ALL REINFORCING SPLICED TO HAVE A LAPPED LENGTH OF 42 X DIAMETER OF REINFORCING BAR.
- 17 ALL REINFORCING BARS TO BE MEASURED & BENT IN ACCORDANCE TO SANS 1478.
- 19 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 TO HAVE A MINIMUM DEPTH OF 500mm.
- 20 THE EXISTING HD BOLTS MUST BE CUT OFF 25mm BELOW FINISHED CONCRETE LEVEL AND FILLED WITH GROUTING.
- 21 THE FACES OF THE EXISTING FOUNDATION THAT ARE TO BE EXTENDED SHOULD BE CHIPPED OFF, CLEANED AND APPLY BONDING LIQUID BEFORE CASTING THE NEW CONCRETE.
- 22 USE SIKA ANCHORFIX-1 AS A FAST CURING ANCHORING ADHESIVE FOR THE M24 ANCHOR BOLTS.

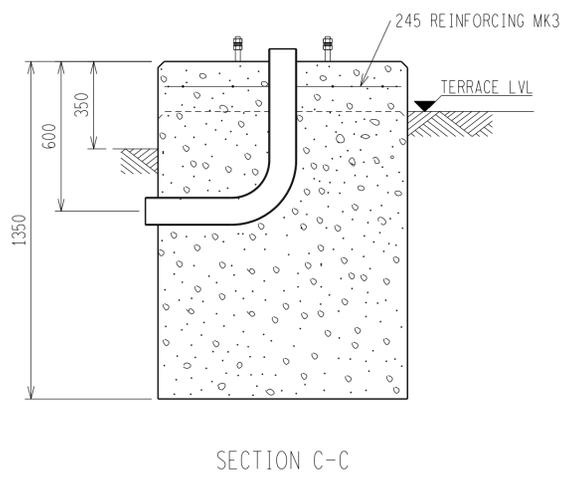
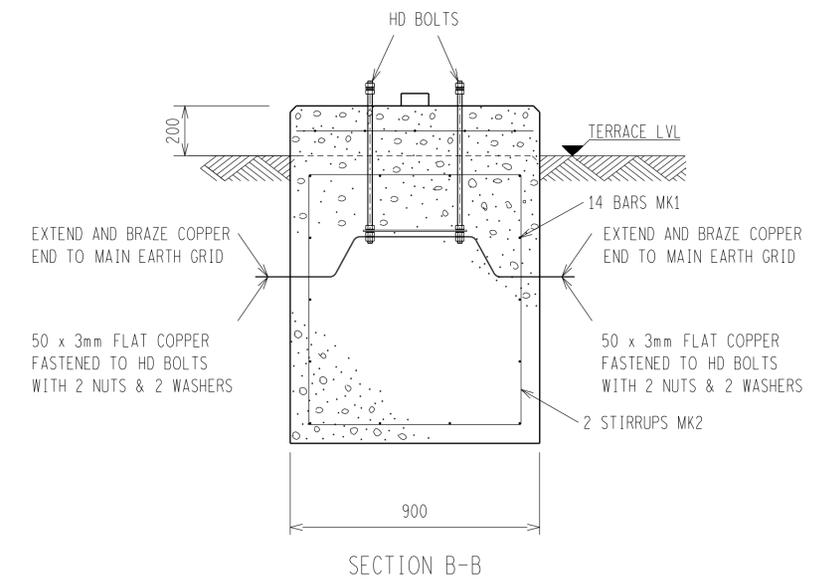


HD BOLT SCHEDULE								
BOLT SIZE mm	MILD STEEL GRADE	PITCH mm	LENGTH mm	NO OFF HD BOLTS	NO OFF NUTS	NO OFF WASHERS	TOTAL MASS kg	TORQUE Nm
24	4.8	3	650	8	32	32	22.42	390

STEEL & REINFORCEMENT SCHEDULE @ 150mm						
MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	BENDING REMARKS
1	Y10	14	500	7.00	4.43	100 400
2	R10	4	3960	15.84	9.82	1000 x 850
3	245	2500 x 800	-	-	4.90	2500 x 800
4	PLATE	50X6X410	410	820	1.93	

SCHEDULE OF QUANTITIES	
EXCAVATION VOLUME = 0.56m <sup>3</sup>	CONCRETE BREAK OFF = 0.04m <sup>3</sup>
CONCRETE VOLUME = 1.10m <sup>3</sup>	
SHUTTERING AREA = 3.24m <sup>2</sup>	
50x3mm FLAT COPPER = 20.25kg	

BEARING CAPACITY	
FOUNDATION = 150kPa	SOIL TYPE 1 AND 2



DRG NO.	SHEET NO.	REFERENCE DRAWINGS:

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
1	UPDATED DRAWING NOTES	BMH	MG	NMW	07/03/2017	
0	FIRST ISSUE				/ /	

**Eskom**

**OSM10 66kV BREAKER  
FOUNDATION DETAIL  
MODIFIED FOR STANDARD ABB BREAKER  
SOIL TYPE 1 & 2**

SAP No.	DATE:	SET	SHEET	REVISION
SCALE 1:20	25/02/2006			
THIS DRAWING IS THE PROPERTY OF ESKOM	DRAWN: M. MADLOLO			
	DATE: 20/02/2004			

**D-EC-2061**

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