



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 75mm ABOVE FINISHED FOUNDATION LEVEL.
- 13 NON OXIDE PASTE MUST BE USED ON ALL EARTH CONNECTIONS TO H.D. BOLTS.
- 14 ALL EARTHING MUST 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 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	500	4	16	16	9.21	359-407

SCHEDULE OF QUANTITIES @ 150mm
EXCAVATION VOLUME = 0.70m ³
CONCRETE VOLUME = 0.81m ³
SHUTTERING AREA = 0.90m ²
50x3mm FLAT COPPER = 20.25kg

ITEM	HEIGHT (MAX)	WEIGHT (MAX)
LATTICE SUPPORT	2.00m	210.46kg
M1 CAP	300mm	54.35kg
EQUIPMENT 132kV CT	2.96m	810.00kg
BEARING CAPACITY		
FOUNDATION = 150kPa	SOIL TYPE 1 AND 2	

DRG NO.	SHEET NO:	REFERENCE DRAWINGS:
D-DT-5206	SHEET 2E	MED. EQUIP. SUPPORT DETAILS 4m
D-DT-5206	SHEET 2D	MED. EQUIP. SUPPORT DETAILS 3.5m
D-DT-5206	SHEET 2C	MED. EQUIP. SUPPORT DETAILS 3m
D-DT-5206	SHEET 2B	MED. EQUIP. SUPPORT DETAILS 2.5m
D-DT-5206	SHEET 2A	MED. EQUIP. SUPPORT DETAILS 2m

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS						
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
9	HEIGHT & WEIGHT OF SUPPORT & EQUIPMENT ADDED	GJB	MDB	NMW	20/05/2013	
8	HD BOLT ARRANGEMENT ADDED	GJB	NMW	BPH	15/05/2012	

	MEDIUM EQUIPMENT LATTICE SUPPORT FOUNDATION DETAILS (SOIL TYPE 1 & 2)		
	AUTH: R GUSH	D-DT-5206	SET
	DATE: 10/03/2001		SHEET
	CHKD: N WEBBER		REVISION
SAP No. 0183872	DATE: 05/03/2001	1A	9
SCALE 1:20	DRAWN: T GUZANA		
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