


- 1 ALL WELDING AND WELDING SYMBOLS SHALL CONFORM TO SANS 10044 PART 1 TO 5.
- 2 ALL STRUCTURAL USE OF STEEL TO CONFORM TO SANS 10162.
- 3 ALL STEEL TO BE GRADE S355JR/350WA (EXCEPT ANGLES  $\leq 45\text{mm}$  TO BE MILD STEEL).
- 4 ALL WELDS TO BE SEALED WELDED.
- 5 STEELWORK TO BE HOT DIP GALVANIZED TO SANS 121.
- 6 STEELWORK TO BE CHECKED AND STRAIGHTENED AFTER GALVANIZING.
- 7 BOLTS, NUTS & WASHERS TO BE IN ACCORDANCE WITH SANS 1700.
- 8 ALL MARKINGS TO BE STAMPED ONTO STEELWORK AND SHALL BE CLEARLY LEGIBLE AFTER GALVANIZING.
- 9 NO STEEL EXTENSIONS WILL BE ALLOWED ON ANY STEELWORK.
- 10 NO SECTIONS TO BE BUTT WELDED.
- 11 ALL STEELWORK TO BE FABRICATED, ERECTED AND LEVELLED TO A TOLERANCE OF  $+ - 1.5\text{mm}$ .
- 12 ALL HOLES TO BE 18mm DIA UNLESS OTHERWISE STATED.

BOLT SCHEDULE									
MARK	BOLT SIZE mm	MILD STEEL GRADE	PITCH mm	LENGTH mm	NO OFF BOLTS	NO OFF NUTS	NO OFF WASHERS	TORQUE Nm	TOTAL MASS kg
1	M16	4.8	2	35	19	19	19	120	2.72
2	M16	4.8	2	40	8	8	8	120	1.26
3	M16	4.8	2	45	2	2	10	120	0.42
BOLTS / WASHERS / NUTS									3.54

STEEL SCHEDULE AND MASS					
ITEM	QTY	DESCRIPTION	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	TOTAL MASS (kg)
<u>6BC</u> 2	2	MILD STEEL ANGLE 50 x 50 x 6	1838	3.68	16.43
<u>6BC</u> 5	2	MILD STEEL ANGLE 50 x 50 x 6	594	2.38	10.62
<u>6BC</u> 6	6	MILD STEEL ANGLE 50 x 50 x 6	594	3.56	15.93
<u>6BC</u> 7	2	MILD STEEL ANGLE 50 x 50 x 6	1838	3.68	16.43
<u>6BC</u> 10	2	MILD STEEL UNEQUAL ANGLE 75 x 50 x 6	2310	4.62	26.10
<u>6BC</u> 11	2	MILD STEEL ANGLE 70 x 70 x 6	2423	4.85	30.92
<u>6BC</u> 11	2	MILD STEEL PLATE 150 x 12	150	0.30	4.24
<u>6BC</u> 12	2	MILD STEEL ANGLE 70 x 70 x 6	2423	4.85	30.92
<u>6BC</u> 12	2	MILD STEEL PLATE 150 x 12	150	0.30	4.24
<u>6BC</u> 13	2	MILD STEEL ANGLE 50 x 50 x 6	380	0.74	3.31
TOTAL MASS					163.54

D-DT-5205	SHEET 1A	SUPP. FOUNDATION SOIL TYPE 1&2
DRG. NO.	SHEET NO.	REFERENCE DRAWINGS

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS						
9	ITEM 10: DIM 1738 WAS 1710. DIM 1849 WAS 1860	GJB	MDW	NMW	06/09/2012	
8	REDRAWN, NOTES UPDATED & HD BOLT ARRANGEMENT ADDED	GJB	NBW	BPH	15/05/2012	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.

		ISOLATOR STD - 22kV MANUAL			
AUTH: R GUSH		LATTICE SUPPORT			
DATE: 08/07/2002		STEELWORK MANUFACTURING DETAILS			
CHKD: N WEBBER		AND ASSEMBLY - 1m PHASE CRS			
DATE: 04/07/2002		D-DT-5205	SET	SHEET	REVISION
DRAWING: TMB				2A	9
DATE: 20/04/1999					