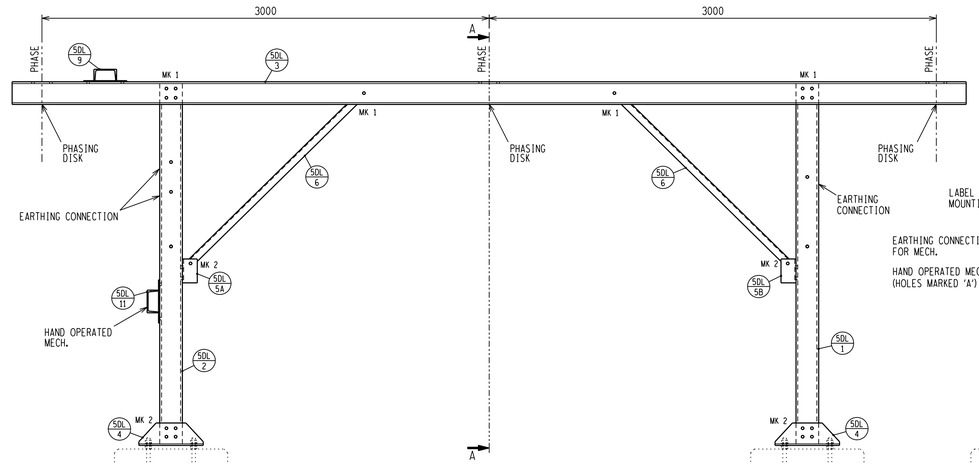
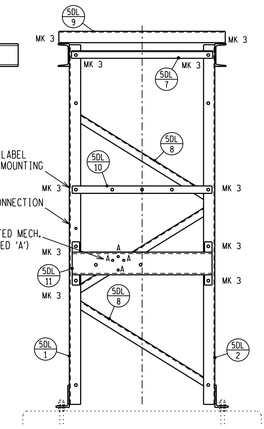
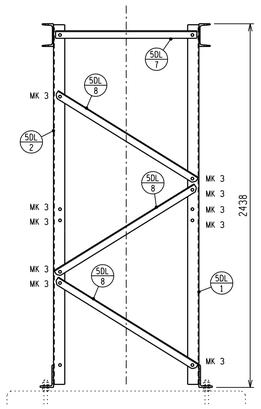


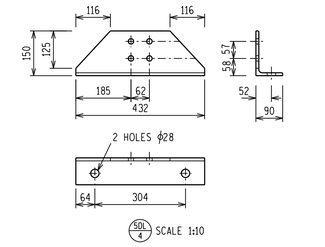
FRONT VIEW

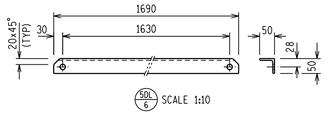


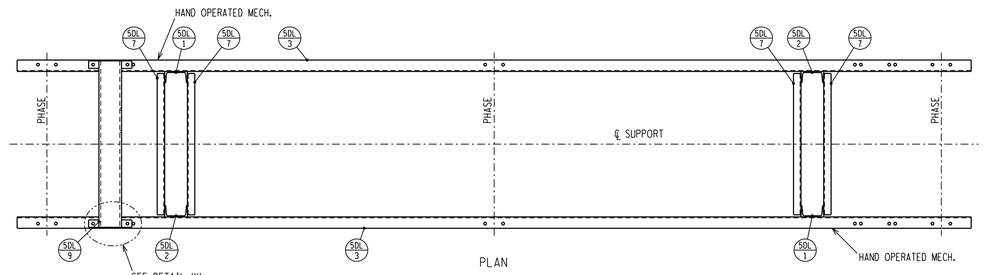
SIDE VIEW



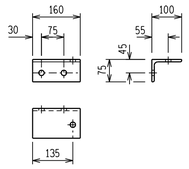
SECTION A-A

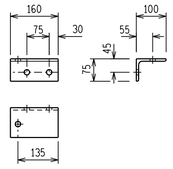


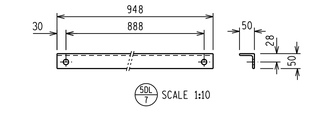


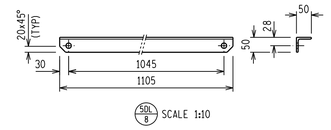


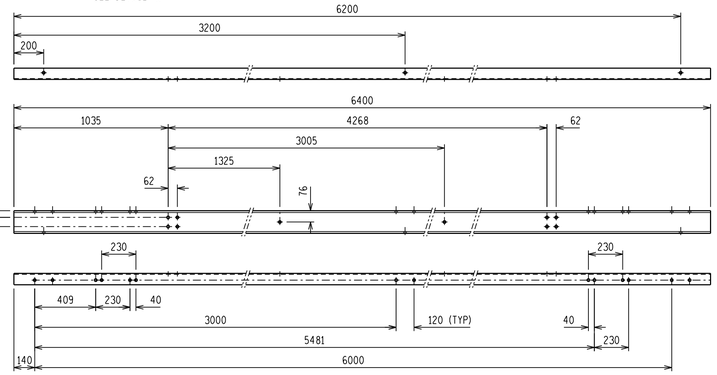
PLAN

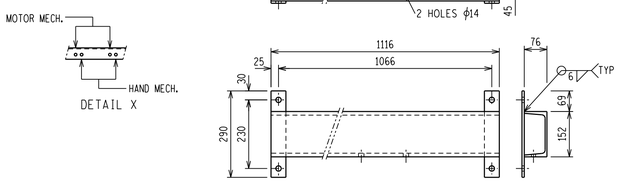


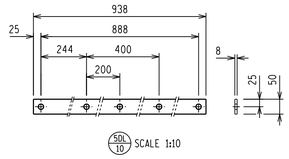


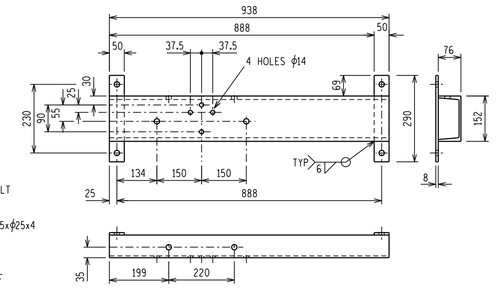


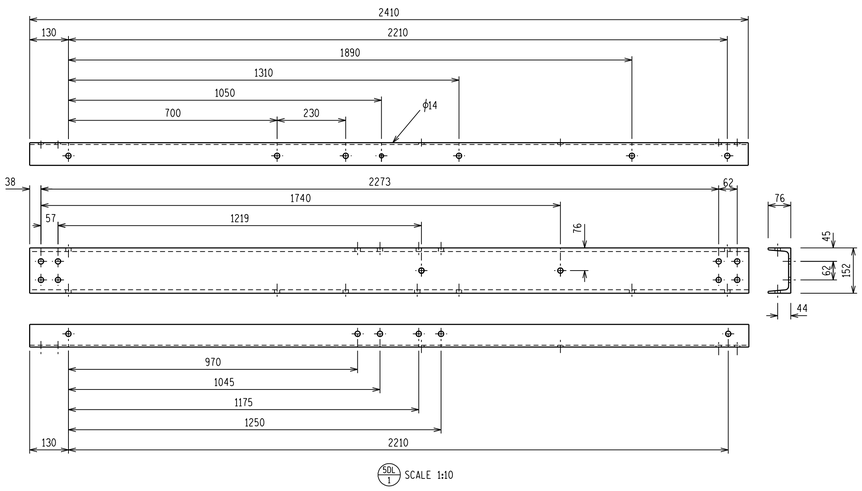


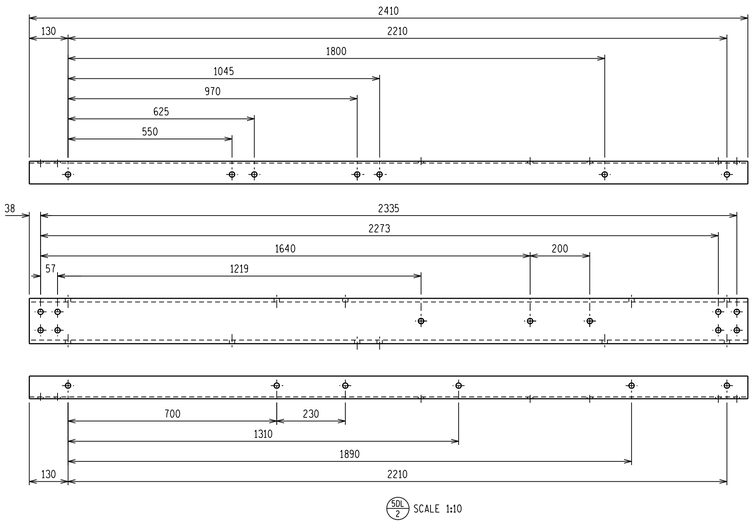


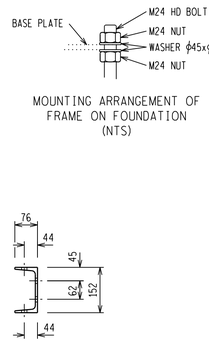












MOUNTING ARRANGEMENT OF FRAME ON FOUNDATION (NTS)

NOTES:

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 ≤ 45mm 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 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 + - 1.5mm.
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	16	16	16	120	2.53
2	M16	4.8	2	40	24	24	24	120	3.98
3	M16	4.8	2	45	36	36	36 FLAT 36 BEVEL	120	7.85
						MASS OF BOLTS, WASHERS AND NUTS			14.36

STEEL SCHEDULE AND MASS

ITEM	QTY	DESCRIPTION	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	TOTAL MASS (kg)
SDL 1	2	TF CHANNEL 152 x 76 x 18kg/m	2410	4.82	86.34
SDL 2	2	TF CHANNEL 152 x 76 x 18kg/m	2410	4.82	86.34
SDL 3	2	TF CHANNEL 152 x 76 x 18kg/m	6400	12.80	229.12
SDL 4	4	MILD STEEL UNEQUAL ANGLE 150 x 90 x 10	432	1.73	31.44
SDL 5A	2	MILD STEEL UNEQUAL ANGLE 100 x 75 x 8	160	0.32	3.39
SDL 5B	2	MILD STEEL UNEQUAL ANGLE 100 x 75 x 8	160	0.32	3.39
SDL 6	4	MILD STEEL ANGLE 50 x 50 x 6	1690	6.76	25.48
SDL 7	4	MILD STEEL ANGLE 50 x 50 x 6	948	3.79	14.29
SDL 8	6	MILD STEEL ANGLE 50 x 50 x 6	1105	6.63	25.02
SDL 9	1	TF CHANNEL 152 x 76 x 18kg/m	1116	1.12	19.97
SDL 9	2	MILD STEEL FLAT BAR 50 x 8	290	0.58	1.82
SDL 10	1	MILD STEEL FLAT BAR 50 x 8	938	0.94	2.94
SDL 11	1	TF CHANNEL 152 x 76 x 18kg/m	938	0.94	16.80
SDL 11	2	MILD STEEL FLAT BAR 50 x 8	290	0.58	1.82
				TOTAL MASS	548.16

D-DT-5202	SHEET 1B	SUPP.FND SOIL TYPE 3
D-DT-5202	SHEET 1A	SUPP.FND SOIL TYPE 1 & 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.
17	DRAWING CLEAN UP	GJB	MDB	NWM	15/05/2013	
16	ITEM 2: DIM 1890 WAS 1950	GJB	MDB	NWM	04/02/2013	

Eskom

ISOLATOR STD - 132kV MANUAL

LATTICE SUPPORT
STEELWORK MANUFACTURING DETAILS AND ASSEMBLY - 3M PHASE CRS

AUTH:	N WEBBER
DATE:	01/08/2011
CHKD:	M GALLANT
DATE:	26/07/2011
DRAWN:	G BEETGE
DATE:	22/07/2011

SAP No. 0186033
SCALE 1:20
THIS DRAWING IS THE PROPERTY OF ESKOM

D-DT-5202

SET	SHEET	REVISION
	2A	17

A1L

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