



- 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 COMPACTION OF THE BOTTOM OF FOUNDATIONS SHALL BE COMPACTED TO 93% MOD. AASHTO.
 - 6 OFF SHUTTER FINISH TO UPPER SIDES OF FOUNDATION TO EXTEND TO 100mm BELOW GROUND LEVEL.
 - 7 ONLY STEEL SHUTTERING MAY BE USED.
 - 8 REINFORCING TO HAVE A MIN CONCRETE COVER OF 50mm UNLESS OTHERWISE STATED.
 - 9 ALL REINFORCING SPLICED TO HAVE A LAPPED LENGTH OF 42 x DIAMETER OF REINFORCING BARS.
 - 10 ALL REINFORCING BARS TO BE MEASURED & BENT IN ACCORDANCE TO SANS 1478.
 - 11 IF THE FOUNDATION HEIGHT IS TO BE LIFTED, THE REINFORCING (MK1 & MK2) MUST BE ADJUSTED ACCORDINGLY.
 - 12 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.
 - 13 ALL WELDING AND WELDING SYMBOLS SHALL COMFORM TO SANS 10044 PART 1 OF 5.
 - 14 ALL STRUCTURAL USE OF STEEL TO COMFORM TO SANS 10162.
 - 15 ALL STEEL TO BE S355JR/350WA (EXCEPT ANGLES \leq 45mm TO BE MILD STEEL).
 - 16 ALL WELDS TO BE SEALED WELDED.
 - 17 STEELWORK TO BE HOT GALVANIZED TO SANS 121.
 - 18 STEELWORK TO BE CHECKED AND STRAIGHTENED AFTER GALVANIZING.
 - 19 NO STEEL TO BE BUTT WELDED.
 - 20 MILD STEEL PLATE TO HAVE 2x25mm ϕ LIFTING HOLES AS INDICATED.
 - 21 5x25x100mm GALV. FRAME SPUR IS TO BE PLACED 125mm FROM THE EDGES AT A DISTANCE OF 560mm APART.

REINFORCEMENT SCHEDULE							
MK	TYPE & SIZE	TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	SHAPE CODE	REMARKS
1	617	2	4.29m ²	-	52.92	-	1 x 617 SHEETS
2	617	2	4.29m ²	-	52.92	-	1 x 617 SHEETS

STEEL SCHEDULE AND MASS					
ITEM	QTY	DESCRIPTION	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	TOTAL MASS (kg)
CTR 1	2	GALV. MILD STEEL ANGLE 30x30x5	3050	6.1	13.18
CTR 2	12	5x25x100mm GALV. FRAME SPUR	100	1.2	6.49
CTR 3	5	16mm GALV. MILD STEEL PLATE 850x600	0.51m ²	-	321.3
TOTAL MASS					340.97

SCHEDULE OF QUANTITIES (APPROX.)	
EXCAVATION VOLUME	= 3.10m ³
CONCRETE VOLUME	= 4.12m ³
SHUTTERING AREA	= 1.2m ²

D-DT-5254	SHEET-2A	TRENCH KERBING - 1000mm
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.

	SUBSTATION				
	CABLE TRENCH RAMP - 750mm				
	AUTH: N WEBBER				
	DATE: 13/08/2014				
CHKD: S SAWYER					
DATE: 11/08/2014					
DRAWN: B HLOMENOLINI					
DATE: 06/08/2014					
D-DT-5254		SET	SHEET	REVISION	
			50	0	

SAP No.	
SCALE 1:20	
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