



- 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 ENSURE THAT NO DAMAGE OR BENDING IS DONE ON THE STEELWORK WHEN TRANSPORTING.

REINFORCEMENT SCHEDULE							
MK	TYPE & SIZE	TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	SHAPE CODE	REMARKS
1	617	2	29.1m ²	-	179.55	-	617 SHEETS
2	617	2	29.1m ²	-	179.55	-	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 75x50x6	10000	20	113
CTR 2	36	GALV. MILD STEEL FLAT BAR 25 x 5	160	5.76	5.66
CTR 3	13	GALV. MILD STEEL PLATE 770 x 20	1680	21.84	2640.24
TOTAL MASS					2758.9

SCHEDULE OF QUANTITIES (APPROX.)
EXCAVATION VOLUME = 6.88m ³
CONCRETE VOLUME = 8.15m ³
SHUTTERING AREA = 2.4m 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.

		DIMBAZA SUBSTATION CABLE TRENCH RAMP - 1500mm				
AUTH:	R. REDDY					
DATE:	20/08/2021					
CHKD:						
DATE:						
DRAWN:	A. GWELANA					
DATE:	18/08/2021					
D-EC-862		SET	SHEET	REVISION		
			12	0		

SAP No.	
SCALE	1 : 20
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