



HD BOLT SCHEDULE								
BOLT SIZE mm	MILD STEEL GRADE	PITCH mm	LENGTH mm	NO OFF RODS/SETS	NO OFF NUTS	NO OFF WASHERS	TOTAL MASS kg	TORQUE Nm
16	4.8	2	40	4	8	8	0.71	105-124
36	4.8	4	1370	8 RODS 4 SETS	16	16	90.22	857-932

STEEL SCHEDULE AND MASS					
ITEM	QTY	DESCRIPTION	CUTTING LENGTH (mm)	TOTAL LENGTH (M)	TOTAL MASS (Kg)
3	4	MILD STEEL FLAT BAR 90 x 12	380	1.44	8.47
TOTAL MASS =					8.47

REINFORCEMENT SCHEDULE @ 150mm							
MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	SHAPE CODE	BENDING REMARKS
1	Y20	16	2590	41.44	102.34	37	240 2350
2	R10	5	5800	29.0	17.98	60	1400 (ALL SIDES)
3	Y10	10	1700	17.00	10.49	38	170 1360 170

SCHEDULE OF QUANTITIES @ 150mm	
EXCAVATION VOLUME =	5.17m ³
CONCRETE VOLUME =	5.51m ³
SHUTTERING AREA =	1.50m ²
50x3mm FLAT COPPER =	20.25kg

BEARING CAPACITY	
FOUNDATION = 150KPA	SOIL TYPE 1 AND 2

D-DT-5252	SHEET 2A	132kV COLUMN STEELWORK DETAILS
DRG NO.	SHEET NO:	REFERENCE DRAWINGS:

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERCEDES ALL OTHER PUBLISHED DRAWINGS					
6	CHANGED MK3 FROM A Y16 TO A Y10 REINFORCEMENT	BMH	NSH	NMW	22/02/2016
5	CORRECTED MK 3 REINFORCEMENT SCHEDULE.	BMH	NSH	NMW	20/01/2016
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE

		COLUMN - 132kV LATTICE STEEL FOUNDATION DETAILS (SOIL TYPE 1 & 2)			
AUTH: B HILL	DATE: 21/02/2006	D-DT-5252			
CHKD: B HILL	DATE: 20/02/2006				
DRAWN: V VAN ZWEEL	DATE: 04/08/2005				
SAP No. 0183201	SCALE 1:20				
THIS DRAWING IS THE PROPERTY OF ESKOM		SET		SHEET	REVISION
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