

NOTES

1. CONCRETE STRENGTH AT 28 DAYS/STONE SIZE : BLINDING = 15/19
FOUNDATION = 25/19
SLUMP VALUE 75mm(±25mm)
2. MIN. COVER TO REINFORCEMENT TO BE 50mm
- 3 a. HD BOLTS (GRADE 8.8) SUPPLIED BY CIVIL CONTRACTOR COMPLETE WITH NUTS & WASHERS TO BE HOT DIPPED GALVANISED TO SANS 121
b. THREAD TO BE OVER-CUT TO SANS 121 TO ALLOW FOR THICKNESS OF GALVANISING
4. FORMWORK TO EXTEND AT LEAST 150mm BELOW GROUND LEVEL
5. STEEL TEMPLATE TO BE USED FOR SETTING OUT OF HD BOLTS
6. 30 MPa FLOWABLE NON-SHRINK GROUT UNDER BASE PLATES ONLY IF REQUIRED
7. ALL TOP EDGES TO HAVE 20 x 20 CHAMFER
8. ALL WORK TO BE IN ACCORDANCE WITH SANS 1200 SERIES OF SPECIFICATIONS; TOLERANCE/DEVIATION TO BE DEGREE OF ACCURACY II
9. CONCRETE FINISH : TOP OF FOUNDATION – WOOD FLOAT FINISH
SIDES OF FOUNDATION – SMOOTH OFF SHUTTER FINISH
10. THESE FOUNDATIONS HAVE BEEN DESIGNED TO FOUND ON COMPETENT FOUNDING MATERIAL. IN ALL CASES COMPETENCY OF FOUNDING MATERIAL MUST BE ESTABLISHED BY A QUALIFIED GEO-TECHNICAL ENGINEER
11. IN-SITU MATERIAL TO BE COMPACTED TO 93% MOD ASSHTO DENSITY AT OMC. MATERIAL TO HAVE A MINIMUM BEARING CAPACITY OF 15kPa FOUNDING MATERIAL. IN ALL CASES COMPETENCY OF FOUNDING MATERIAL MUST BE ESTABLISHED BY A QUALIFIED GEO-TECHNICAL ENGINEER

PLAN-REINFORCING

PLAN – CONCRETE

ELEVATION – CONCRETE

ELEVATION – REINFORCING


$B = (\text{LENGTH OF PLINTH} - 50) + 325$

$A = B + 520$

$C = (B/300) + 1$

	MIN.	MAX.
FOUNDATION VOLUME	2.25m³	2.46m³
BLINDING VOLUME	0.21m³	0.21m³
REBAR WEIGHT	163kg	175.2kg

ITEM AND No OFF	BARS					SHAPE CODE	STANDARD SHAPES BENDING DIMENSIONS mm					
	Y or R	D mm	MK.	No OFF			CUTTING LENGTH mm	TOTAL LENGTH m	A	B	C	R
				PER ITEM	TOTAL							
FOR 1 FOUNDATION	Y 12	01		44		2450		38	250	2000		
	Y 20	02		16		A		37	B			
	Y 10	03		10		1050		38	150	800		
	R 08	04		C		3400		60	800	800		

4			UPDATED TO STANDARD AND REVISED HD BOLT FOR ENG 2021.			AT	BH	✓/12/21	15-02-2021	8829	APPLICATION GUIDE		
REV			REVISION DESCRIPTION			DRAWN	CHKD	AUTH	DATE	301-305	MED.EOP. SUPP.		
APPROVED BY										0.54/	REFERENCE DRAWINGS		
M.VAN DEN ENDE						Eskom			Eskom Holdings SOC Ltd Reg No 2002/015527/30				
DATE 12/07/93						MEDIUM EQUIPMENT SUPPORT PAD TYPE FOUNDATION DETAIL							
CHECKED BY													
M.VAN DEN ENDE													
DATE 12/07/93													
DRAWN BY						0.54/4358							
RUC													
DATE 29/6/93													
SCALE 1:25						SHEET NUMBER				0		REVISION	
										4			