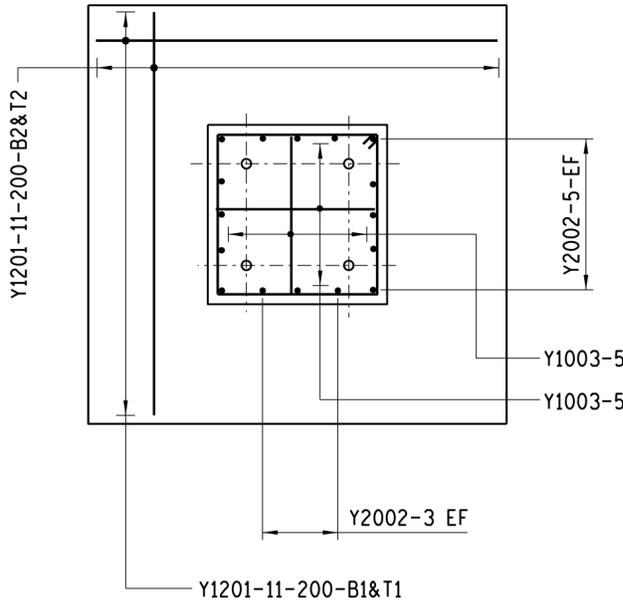
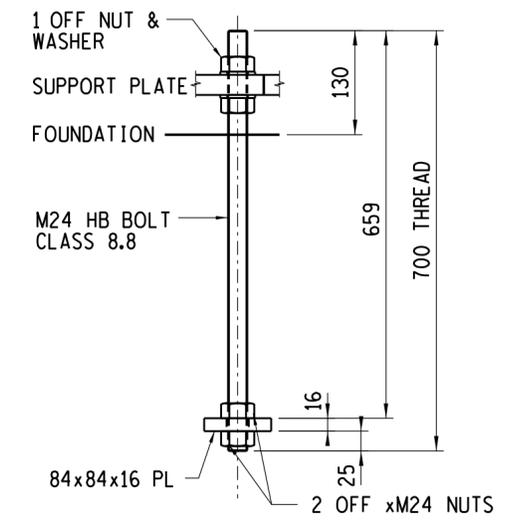


PLAN - CONCRETE



PLAN-REINFORCING



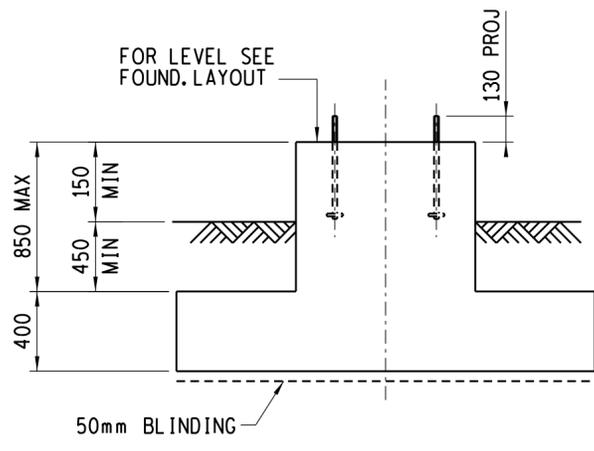
H.D. BOLT DETAIL

No. OFF - 4

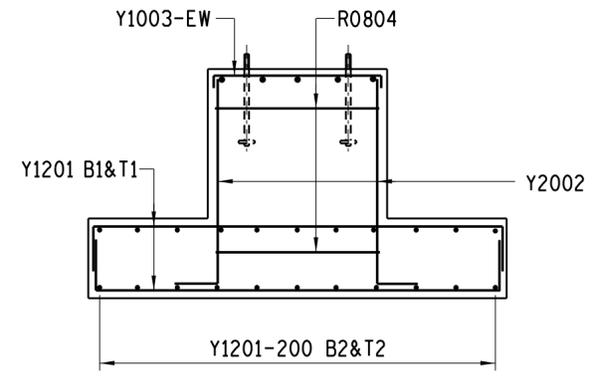
MASS OF ONE BOLT INCLUDING 4 NUTS AND 4 WASHERS = 8,54 kg NTS

NOTES

- CONCRETE STRENGTH AT 28 DAYS/STONE SIZE : BLINDING = 15/19 FOUNDATION = 25/19 SLUMP VALUE 75mm(±25mm)
- MIN. COVER TO REINFORCEMENT TO BE 50mm
- 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
- FORMWORK TO EXTEND AT LEAST 150mm BELOW GROUND LEVEL
- STEEL TEMPLATE TO BE USED FOR SETTING OUT OF HD BOLTS
- 30 MPa FLOWABLE NON-SHRINK GROUT UNDER BASE PLATES ONLY IF REQUIRED
- ALL TOP EDGES TO HAVE 20 x 20 CHAMFER
- ALL WORK TO BE IN ACCORDANCE WITH SANS 1200 SERIES OF SPECIFICATIONS: TOLERANCE/DEVIATION TO BE DEGREE OF ACCURACY II
- CONCRETE FINISH : TOP OF FOUNDATION - WOOD FLOAT FINISH SIDES OF FOUNDATION - SMOOTH OFF SHUTTER FINISH
- 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
- 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



ELEVATION - CONCRETE



ELEVATION - REINFORCING

ITEM AND No OFF	BARS				SHAPE CODE	STANDARD SHAPES BENDING DIMENSIONS m m					
	Y or R	DIA.	MK.	No OFF		CUTTING LENGTH m m	TOTAL LENGTH m	A	B	C	R
				PER ITEM							
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			

$B = (\text{LENGTH OF PLINTH} - 50) + 325$
 $A = B + 520$
 $C = (B/300) + 1$

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

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