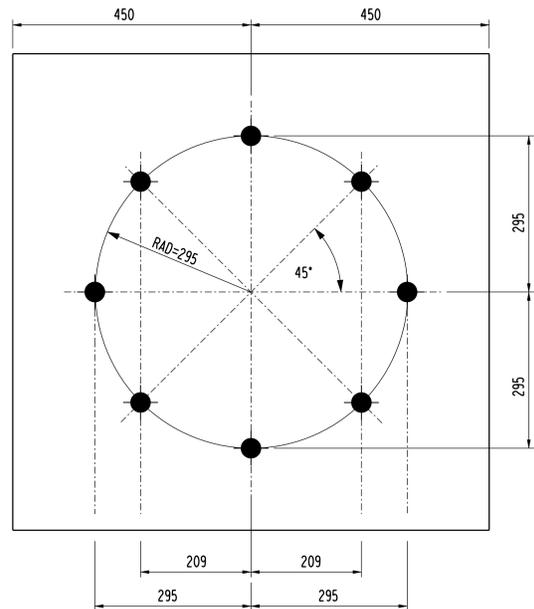
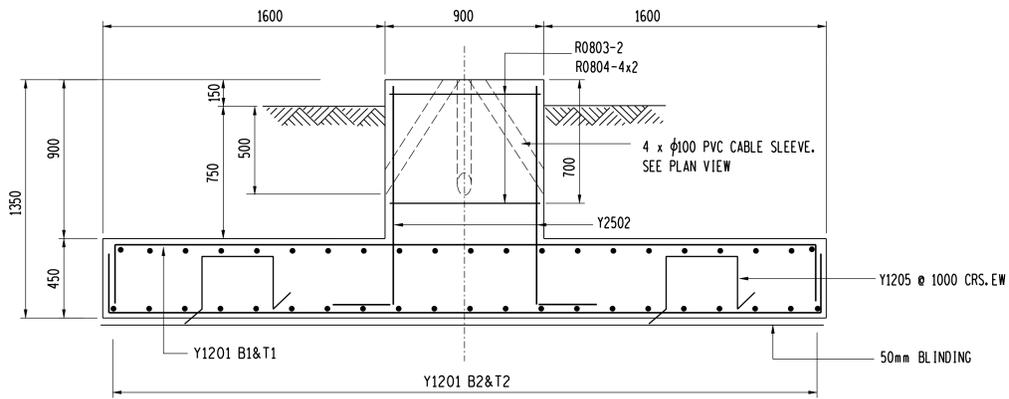


HD BOLT.
(8 OFF/FOUNDATION.)
MASS OF ONE H.D.BOLT COMPLETE WITH TWO NUTS & WASHER = 10,8kg



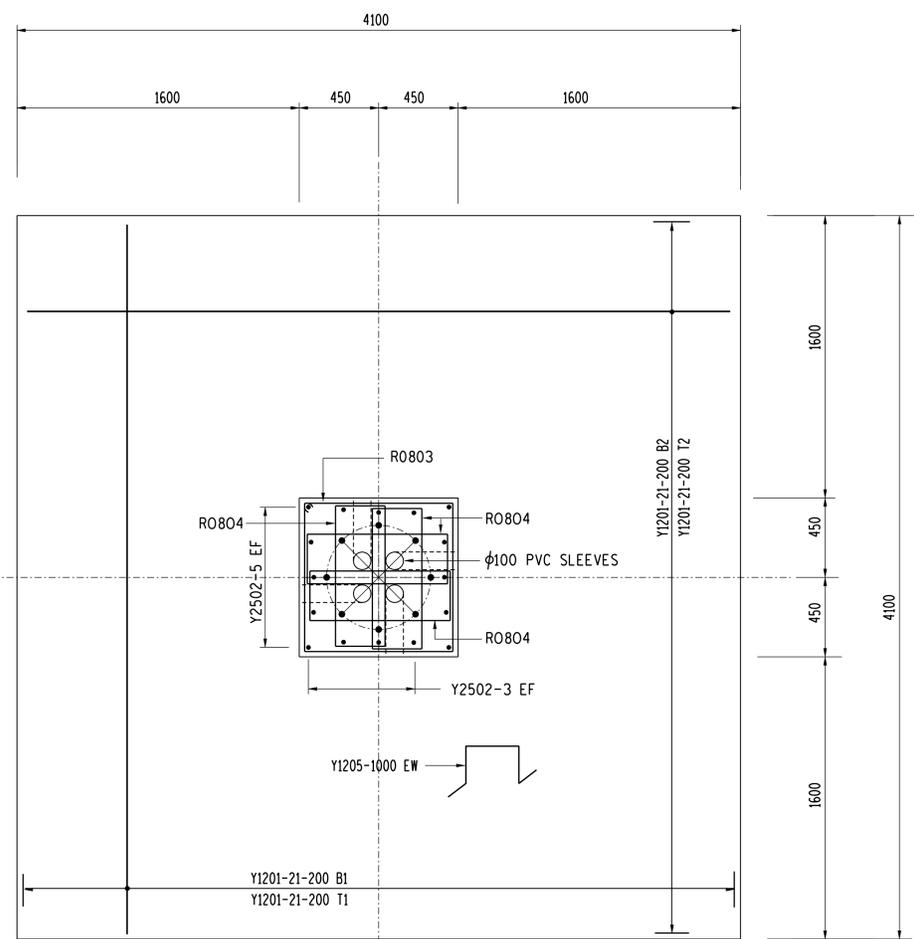
HD BOLT LAYOUT ON PLINTH. (24m)
N.T.S



SECTION C-C.

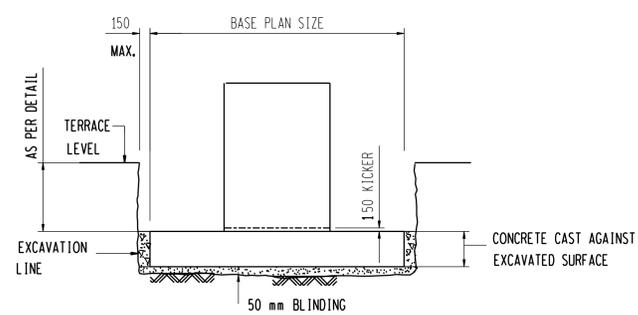
ITEM AND No OFF	Y	O	R	BARS				SHAPE CODE	STANDARD SHAPES BENDING DIMENSIONS mmm						
				DIA.	MK.	No PER ITEM	OFF TOTAL		CUTTING LENGTH mm	TOTAL LENGTH m	A	B	C	D	E
24m FOUNDATION. 1 OFF.	Y	12	-01	---	84	4700	38	360	4040	---	---	---	---	---	---
	Y	25	-02	---	16	1550	37	1260	---	---	---	---	---	---	---
	R	08	-03	---	2	3550	60	840	840	---	---	---	---	---	---
	R	08	-04	---	8	2450	60	280	840	---	---	---	---	---	---
	Y	12	-05	---	16	1800	83	400	355	400	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- NOTES:**
- CONCRETE MIX : BLINDING = 15/19
FOUNDATION = 25/19
 - MIN. CONCRETE COVER TO REINFORCEMENT = 30mm.
 - ALL HD BOLTS, NUTS, WASHERS, ETC. TO BE HOT DIPPED GALVANISED TO SABS 763.
 - HD BOLTS TO BE SUPPLIED BY THE CIVIL CONTRACTOR.
 - STEEL TEMPLATE TO BE USED FOR SETTING OUT OF HD BOLTS.
 - ANY DAMAGE TO THE GALVANISED SURFACES SHALL BE REPAIRED WITH AN APPROVED ZINK-METAL SPRAY OR INORGANIC ZINK-RICH PAINT COMPLYING WITH SABS 926. APPLICATION TO SUPPLIERS SPECIFICATIONS.
 - ALL TOP EDGES OF CONCRETE TO HAVE 20 x 20 CHAMFERS.
 - STEELWORK TO BE BOLTED DIRECTLY ONTO PLINTHS WHEREVER POSSIBLE. SHOULD TOLERANCES BE EXCEEDED THEN GALVANISED PACKING PLATES SHALL BE USED TO CORRECT THE DISCREPANCY. GROUT WHEN REQUIRED SHALL BE: MIN 35MPa FREE FLOWING, NON-METALLIC, NON-SHRINK GROUT TO SUPPLIERS SPECIFICATIONS. CONCRETE TO BE THOROUGHLY SOAKED LESS THAN 12 HOURS BEFORE GROUTING.
 - CONCRETE FINISH : TOP OF FOUNDATION - WOOD FLOAT FINISH
: SIDES - SMOOTH OFF SHUTTER FINISH
 - THESE FOUNDATIONS HAVE BEEN DESIGNED TO BE FOUND ON COMPETENT FOUNDING MATERIAL HAVING A MIN. GROUND BEARING CAPACITY OF 80KPa. IN ALL CASES COMPETENCY OF FOUNDING MATERIAL MUST BE ESTABLISHED BY A QUALIFIED GEOTECHNICAL ENGINEER.

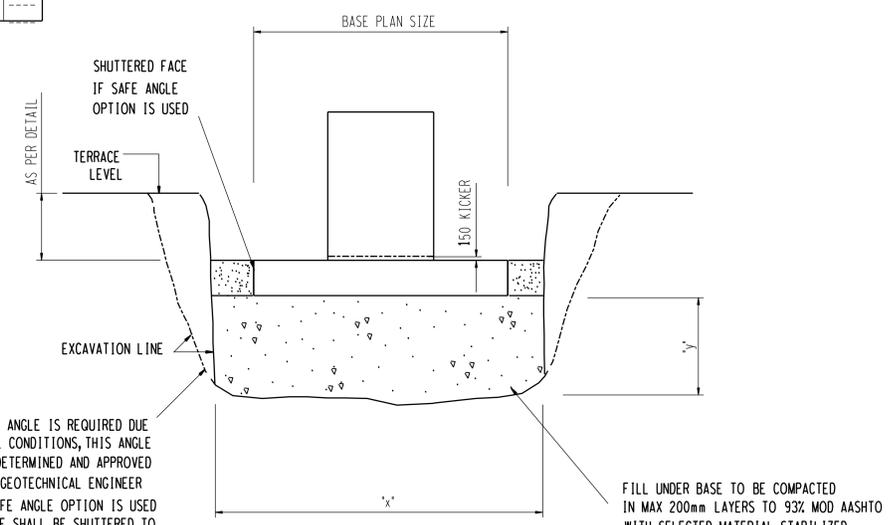


PLAN VIEW.

CONCRETE & REINFORCEMENT DETAILS - 24m MAST.



DETAIL 1
COMPETENT FOUNDING MATERIAL FOUND AT A LEVEL NOT EXCEEDING 50 mm BELOW U/S OF PLINTH BASE AS DETAILED



IF SAFE ANGLE IS REQUIRED DUE TO SOIL CONDITIONS, THIS ANGLE TO BE DETERMINED AND APPROVED BY THE GEOTECHNICAL ENGINEER WHEN SAFE ANGLE OPTION IS USED THE BASE SHALL BE SHUTTERED TO REQUIRED BASE PLAN DIMENSIONS AS DETAILED

DETAIL 2
COMPETENT FOUNDING MATERIAL NOT FOUND AT LEVEL AS PER DETAIL

EXCAVATION DETAILS

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	0 54/	REFERENCE DRAWINGS
8	ORG. SHEET NUMBER REMOVED	ARN	DBN	DJS	4/11/03		
7	REDRAWN AND TITLE CHANGED	ARN	DBN	DJS	1/10/99		
6	REINFORCEMENT REVISED	DBN	DBN	DJS	1/5/99		
5	H.D. BOLT LAYOUTS REVISED	ARN	DBN	DJS	2/2/98		
4	H.D. BOLT LAYOUTS REVISED & NOTE B ADDED.	ARN	DBN	DJS	30/8/98	4708	10m MAST
3	MEMBERS 03 & 04 REVISED ON 24m MAST.	A. D.	D.J.S.	M.v/ÆL.	21/2/96	4656	14m MAST
2	TITLES CHANGED.	A. D.	A. D.	M.v/ÆL.	3/7/95	4657	18m MAST
1	CABLE SLEEVE DETAILS ALTERED.	HBC				4658	24m MAST

DESIGN APPROVED
M VD ENDE
DATE: 24/11/94
DESIGN CHECKED
DBN
DATE: 24/4/94
DRAWN BY
A.D.
DATE: 24/4/94
SCALE: 1:20

Eskom
Transmission

24m LIGHT MAST
LAYOUT AND DETAIL OF FOUNDATION

0.54/4659

SHEET NUMBER: 0
REVISION: 8