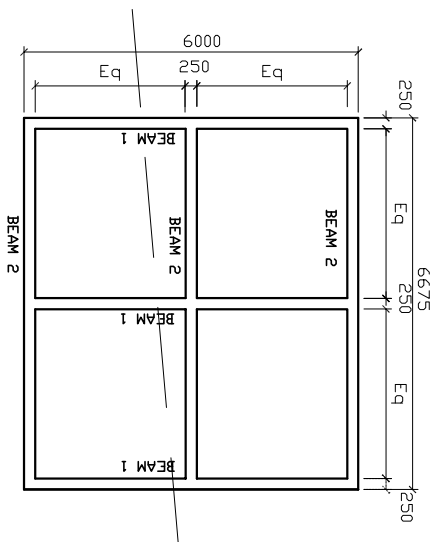
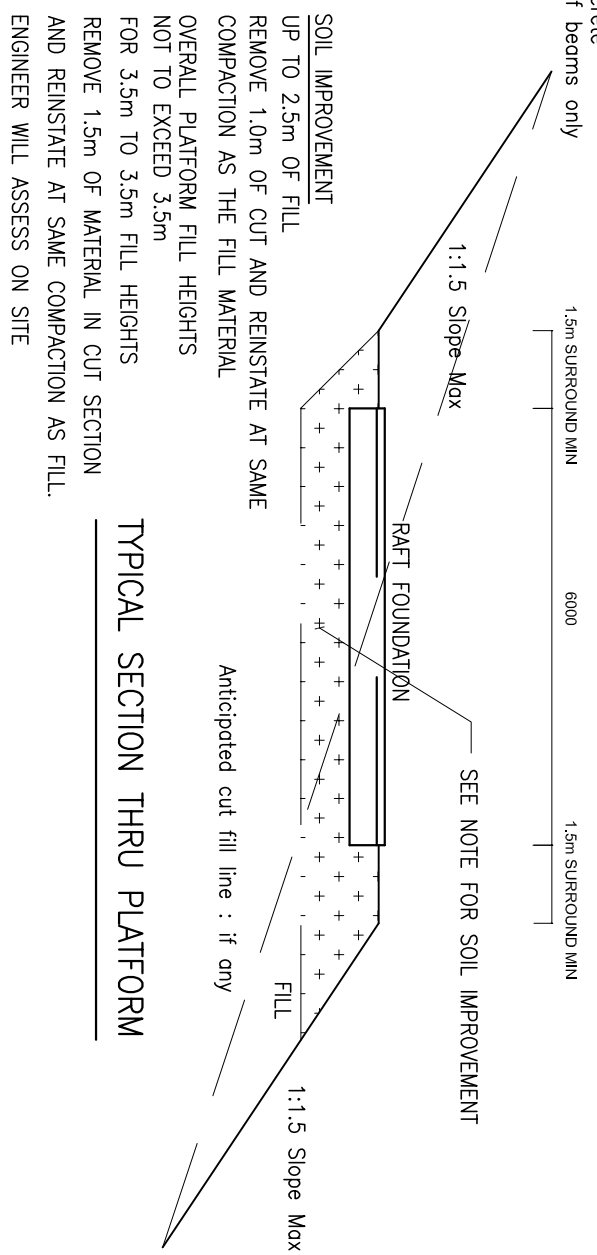


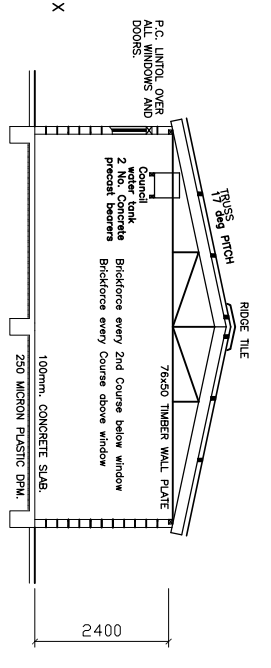
600x600x650mm deep 10Mpa mass concrete pods may be required at intersection of beams only in fill. Engineer will assess on site.  
 20 mm SOFT BOARD JOINT THRU RAFT



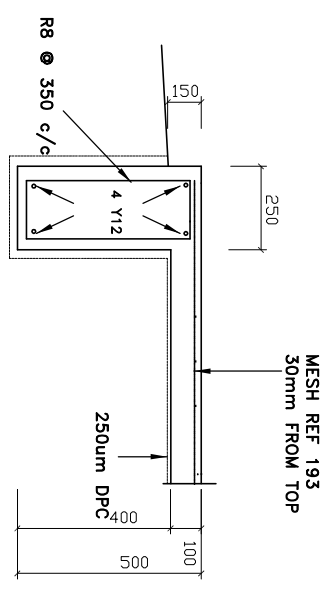
PLAN ON RAFT FOUNDATION-TYPE 2  
 SCALE : NTS



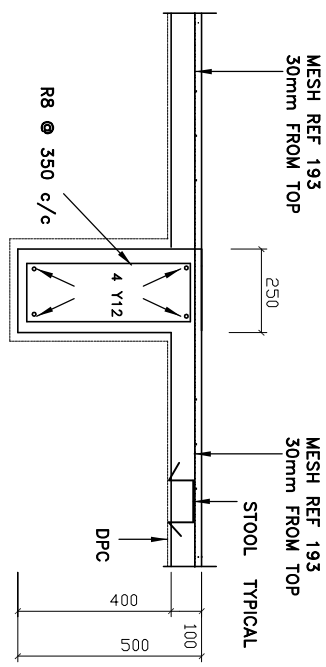
TYPICAL SECTION THRU PLATFORM



SECTION A - A  
 scale 1 : 100



TYPICAL SECTION THROUGH EXTERNAL BEAM  
 1:50



TYPICAL SECTION THROUGH INTERNAL BEAM  
 1:50

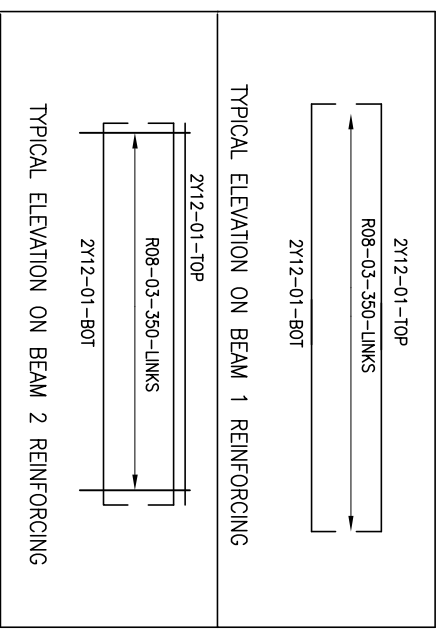
Designed for Concrete strength of 25 Mpa @ 28 days/19mm Aggregate

**ONE UNIT ONLY SCHEDULED**

MEMBER	No. Of	REINFORCEMENT			BENDING DIMENSIONS							
		Type & Dtd	Mark No Each	In/Total No.	Length mm	Shape Code	A mm	B mm	C mm	D mm	E/R mm	
BEAM 1	3	Y12	01	04	12	6200	35	5900				
		R08	03	16	48	1250	60	420	150			
BEAM 2	3	Y12	01	04	12	6870	35	6570				
		R08	03	19	57	1250	60	420	150			
		R08	08	8	8	1140	83	500	70	250	STOOLS	

- NOTES:
1. Platform to be stripped of all vegetation and topsoil prior to placing fill material.
  2. Fill material to be compacted in 300 mm layers to 95% Mod AASHTO.
  3. All cut and fill banks are not to exceed a maximum slope of 1:1.75 or 34 deg
  4. No service trenches to be left open for more than 2 days.
  5. All service trenches to be compacted 93% MOD AASHTO.
  6. The building platform must be well graded as indicated to prevent any water from ponding around the raft.
  7. Provide P.C. lintols over all doors and windows or use ring beams if concrete blocks are used.
  8. Concrete works strength at 28 days to be 25 Mpa.
  9. Cover to reinforcement: Beams 50mm ; Slab 40mm from the platform level.

10. All concrete must be well vibrated during placing using mechanical vibration.
11. All reinforcement must be inspected by the engineer prior to pouring of concrete.
12. If concrete blocks are used brickforce to be placed every 2nd course external walls and every second course internal walls.
13. Maxi block and concrete blocks external/Internal wall butt joint to SABS recommendations.
14. Provide benches to fills of platforms when n.g.i. slope exceeds 1:6.
15. Reinforcement in external beams to be moved to maintain minimum cover requirements and accommodate the required recess of the threshold of each external door and the 50mm weathr step of stoop where applicable.
16. 600 x 600 10MPa mass concrete pods to be placed at the intersection of the raft beams as instructed by the Engineer.
17. ANY DISCREPANCIES TO BE REPORTED BEFORE ANY WORK IS PUT IN HAND
18. NO CONCRETE TO BE POURED WITHOUT THE ENGINEERS CONSENT .
19. NO STRUCTURAL ALTERATIONS ARE TO BE MADE WITHOUT AMENDED DRAWINGS .
20. SLEEVES AND DUCTS TO BE PROVIDED FOR ALL PIPES AND SERVICES .
21. BIG 6 FIBRE CEMENT SHEETING RAFTERS 76 x 152mm @ 1400 CENTRES PURLINS 50 x 75mm @ 1380 CENTRES
22. CONCRETE TILES RAFTERS 140mm @ 900 CENTRES 38 x 50mm BATTENS ( on flat )



V. GOVENDER  
 NTUZUMA C  
 6.0m x 6.675m unit  
 FOR HI TYPE SOILS

FOUNDATION DESIGNED FOR CATEGORY 1 EXPECTED DAMAGED AS SET OUT IN N.H.B.R.C. STANDARDS AND GUIDELINES.

DRG No. 26/04/19 -NC1- REV 0

V. GOVENDER  
 38 COTHAM ROAD  
 NORTHDENE  
 CELL 0833240073  
 FAX 086 659 9896