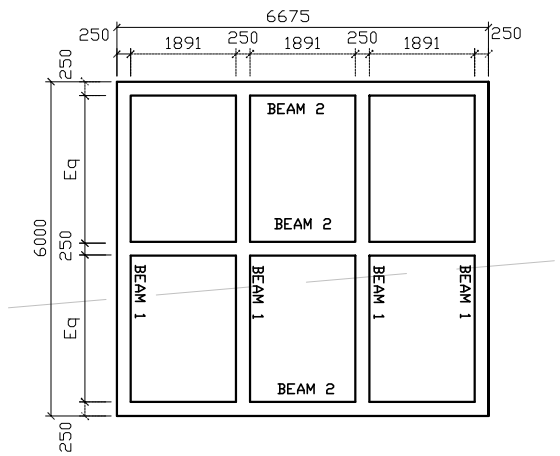
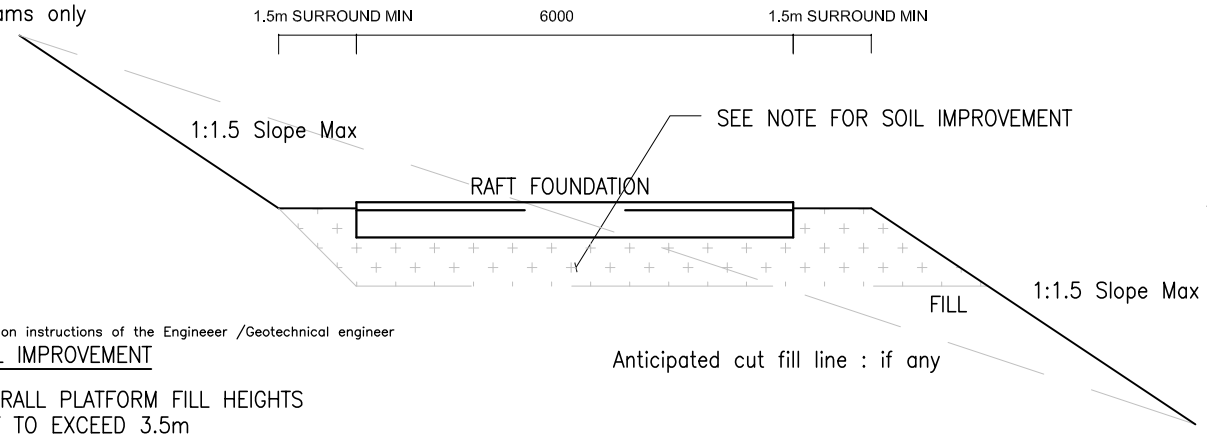
600x600x650mm deep 10Mpamass concrete pads may be required at intersection of beams only in fill . Engineer will assess on site.

SITE BOUNDARY
20 mm SOFT BOARD JOINT THRU RAFT



PLAN ON RAFT FOUNDATION-TYPE 2

SCALE : NTS

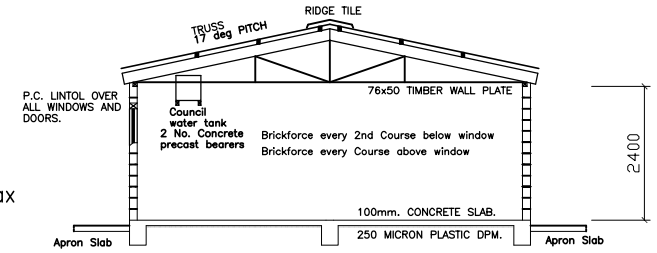


Only on instructions of the Engineeer /Geotechnical engineer

SOIL IMPROVEMENT

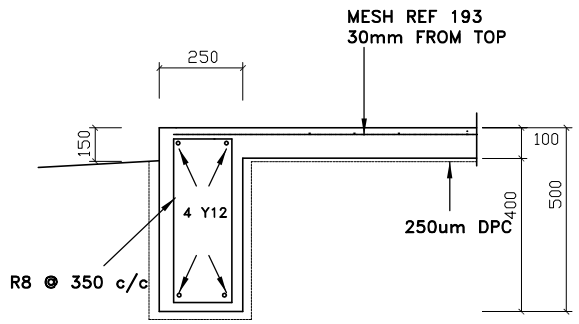
OVERALL PLATFORM FILL HEIGHTS
NOT TO EXCEED 3.5m
FOR 3.5m TO 5.5m FILL HEIGHTS
REMOVE 1.5m OF MATERIAL IN CUT SECTION
AND REINSTATE AT SAME COMPACTION AS FILL.
ENGINEER WILL ASSESS ON SITE

TYPICAL SECTION THRU PLATFORM



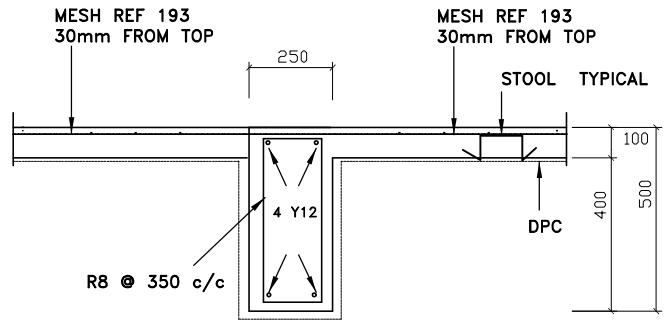
SECTION A - A
scale 1 : 100

TYPE H2/H3 SOILS



TYPICAL SECTION THROUGH EXTERNAL BEAM

1:50



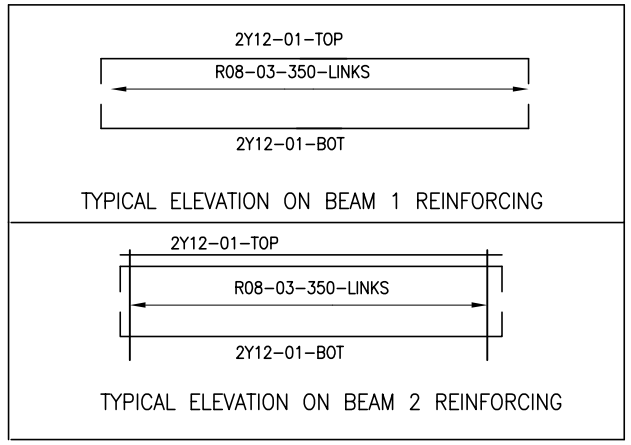
TYPICAL SECTION THROUGH INTERNAL BEAM

1:50

ONE UNIT ONLY SCHEDULED

MEMBER	No. Off	REINFORCEMENT Type & Dia	Mark	No in Each	Total No.	Length mm	BENDING DIMENSIONS Shape Code	A mm	B mm	C mm	D mm	E/R mm
BEAM 1	4	Y12	01	04	16	6200	35	5900				
		R08	03	16	64	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	

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



REINFORCING

NOTES.
1. Platform to be stripped of all vegetation and topsoil prior to of 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.l. slope exceeds 1:6.
15 .Reinforcement in external beams to be moved to maintain minimum cover requirements and accommodate the required recess at the threshold of each external door and the 50mm weather step at stoep where applicable.
16. 600 x 600 10MPa mass concrete pads 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 STRUCTRUAL 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 38 x 200mm @ 900 CENTRES
38 x 50mm BATTENS (on flat)

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

V. GOVENDER

NTUZUMA C
6.0m x 6.675m unit

FOR H2/H3 TYPE SOILS

V. GOVENDER

38 COTHAM ROAD
NORTHDENE
CELL 0833240073
FAX 086 659 9896

DRG No. 26/04/19 -NC2- REV 0