

SCHEDULE OF BEAM REINFORCEMENT:-						
BEAM MKD.	BEAM SIZE B X D	REINFORCEMENT				STIRRUPS
		AT SUPPORT		AT MIDSPAN		
		TOP	BOTTOM	TOP	BOTTOM	
B1	0.250 X 0.450	5-16 TOR	3-16 TOR	3-16 TOR	5-16 TOR	8 TOR 2L @ 0.150 C/C.
B2	0.250 X 0.400	4-16 TOR	2-16 TOR	2-16 TOR	4-16 TOR	8 TOR 2L @ 0.150 C/C.
B3	0.250 X 0.350	3-16 TOR	2-16 TOR	2-16 TOR	3-16 TOR	8 TOR 2L @ 0.150 C/C.

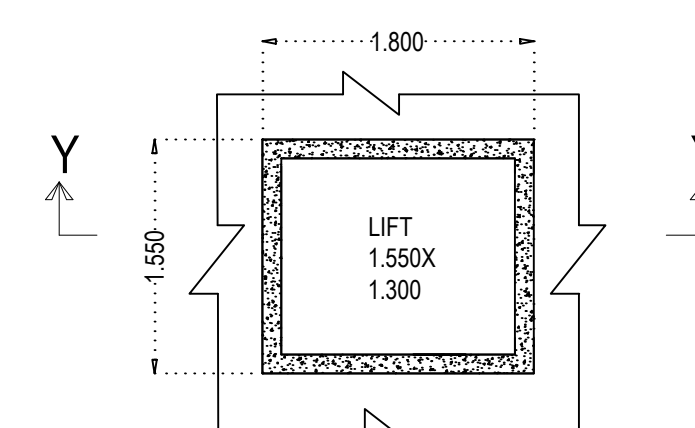
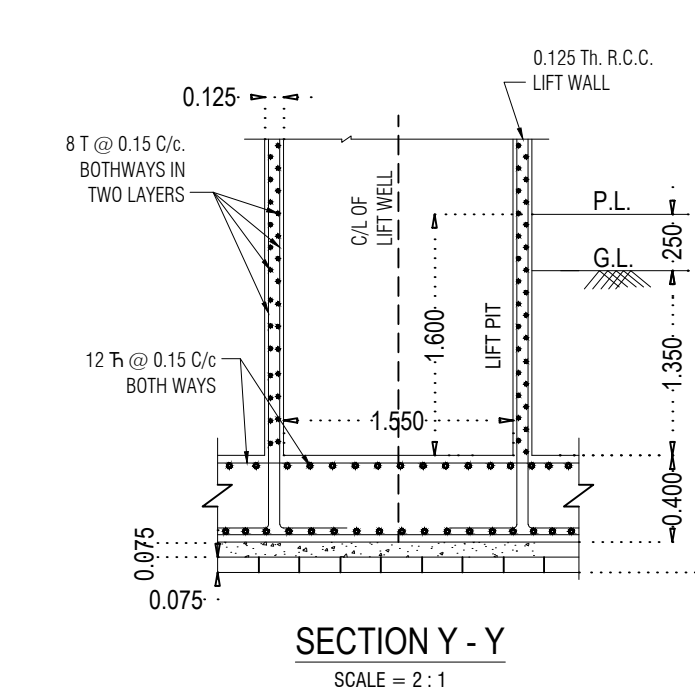
1. All Dimensions are in Meters Unless Specified.
2. Scale :- 1:1, 2:1, 4:1, 5:1.
3. Written Dimensions are to be followed.
4. The Drawing is to be read in conjunction with Architectural Drawing.
5. All Dimensions should be checked at site.
6. Clear cover to reinforcement shall be as follows:-
 - In Columns & Pedestal : 40 mm
 - In Beams : 25 mm
 - In Slab : 20 mm
 - In Footing : 50 mm
 - In Tie Beams : 25 mm
7. Live load in floors considered 200 kg/sqm.
8. Extra top and bottom reinforcement:-
 - (i) Extra top (E.T.) to be provided at 0.25L from support
 - (ii) Extra bottom (E.B.) to be extended to 0.1L from end support & 0.15L from interior support..
9. Sor specification of materials & workmanship follow N.B.C. 2005 and IS: 456-2000.
10. Grade of concrete M -25 AS Specified.
11. Grade of steel : H.Y.S.D. : Fe-500.
12. P.C.C. should be of grade M-15.
13. Basis of Designed are both working stress & limit state method.

I HAVE PERSONALLY VERIFIED THAT THE LAND AND FOUND IT IS NOT A TANK
OR FILLEDUP TANK. IT IS SUITABLE FOR BUILDING CONSTRUCTION.

-: SIGNATURE OF STRUCTURAL ENGINEER:-

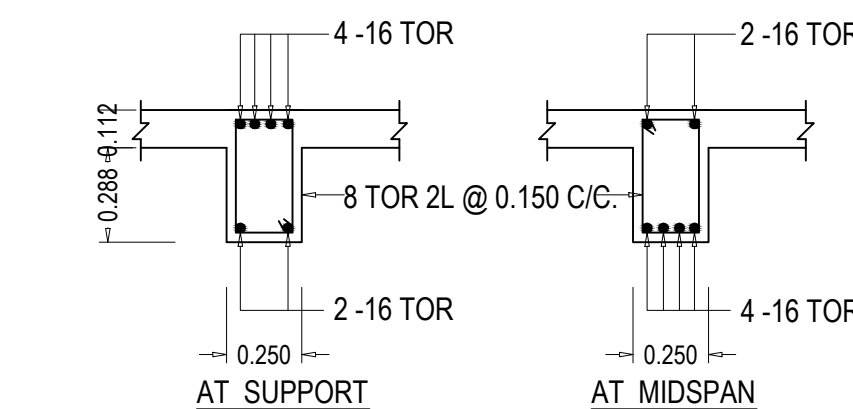
CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR
BIDHANNAGAR MUNICIPAL CORPORATION AND ALSO UNDERTAKE TO ABIDE
THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.

-: SIGNATURE OF OWNER :

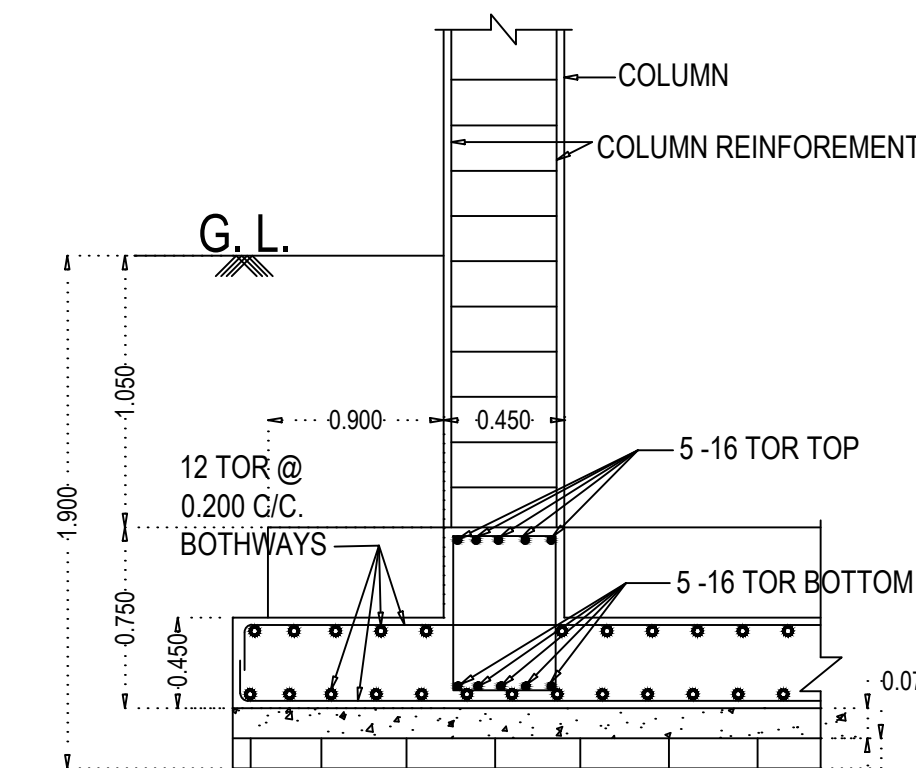


DETAILS OF LIFT FOUNDATION

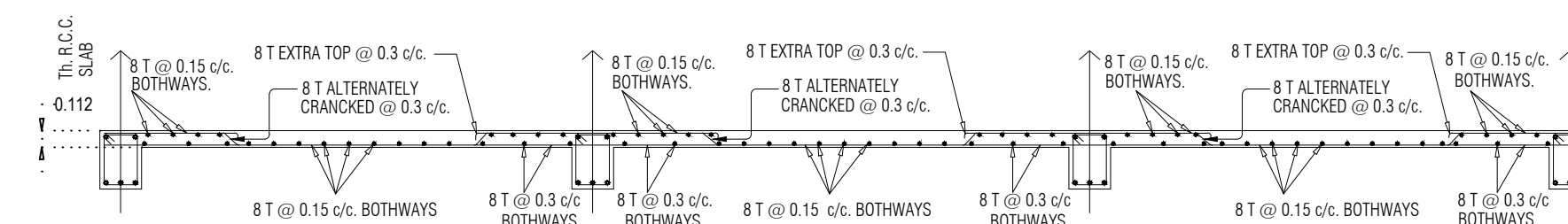
SCALE = 2:1



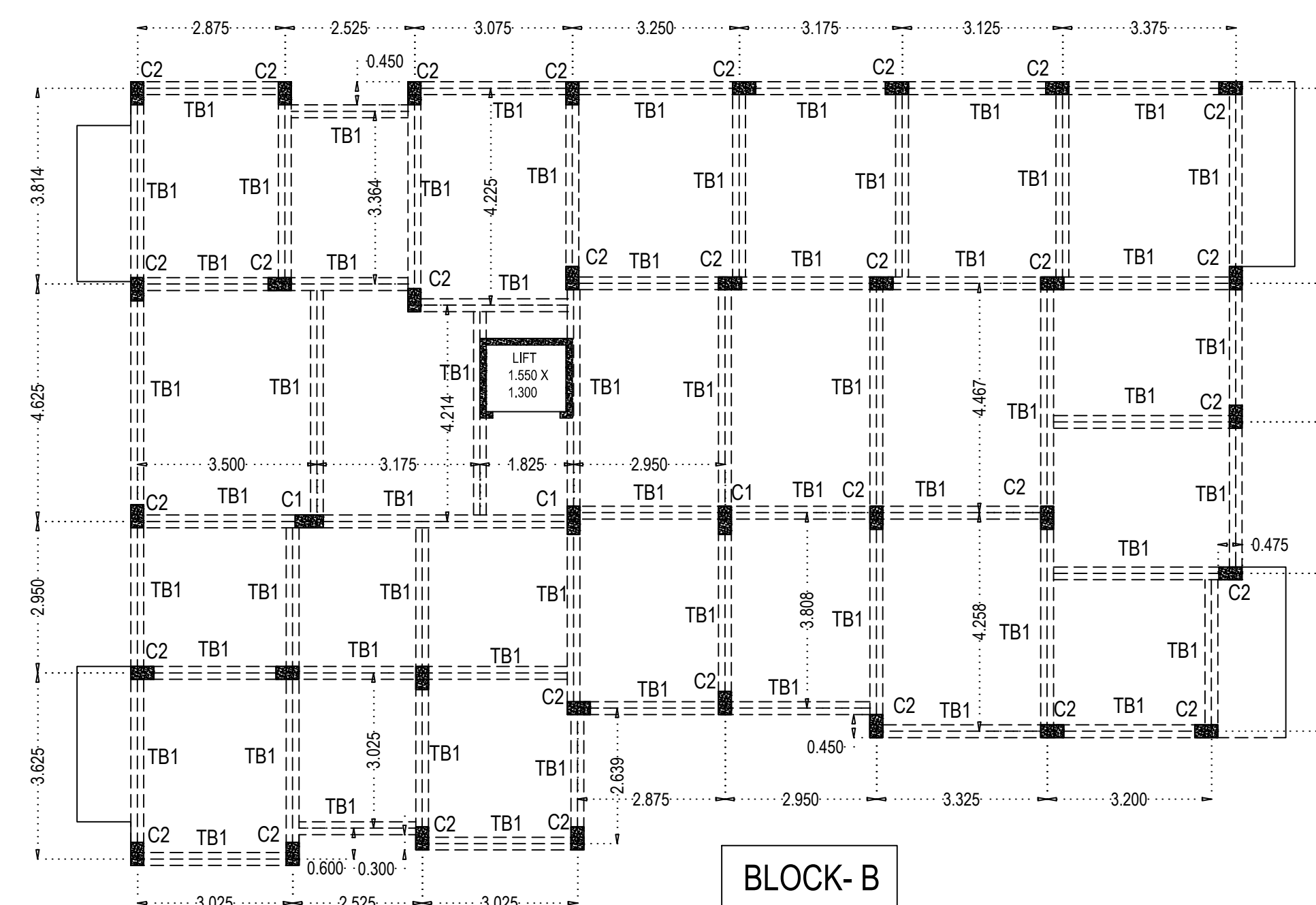
DETS. OF BEAM SEC. (B2)



DETAILS OF RAFT FOUNDATION



TYPICAL DETAILS OF R.C.C. SLAB



COLUMN & TIE BEAM LAYOUT PLAN