

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.
TB	0.250 X 0.400	4-16 TOR	4-16 TOR	4-16 TOR	4-16 TOR	8 TOR 2L @ 0.150 C/C.

SCHEDULE OF SLAB REINFORCEMENT:-

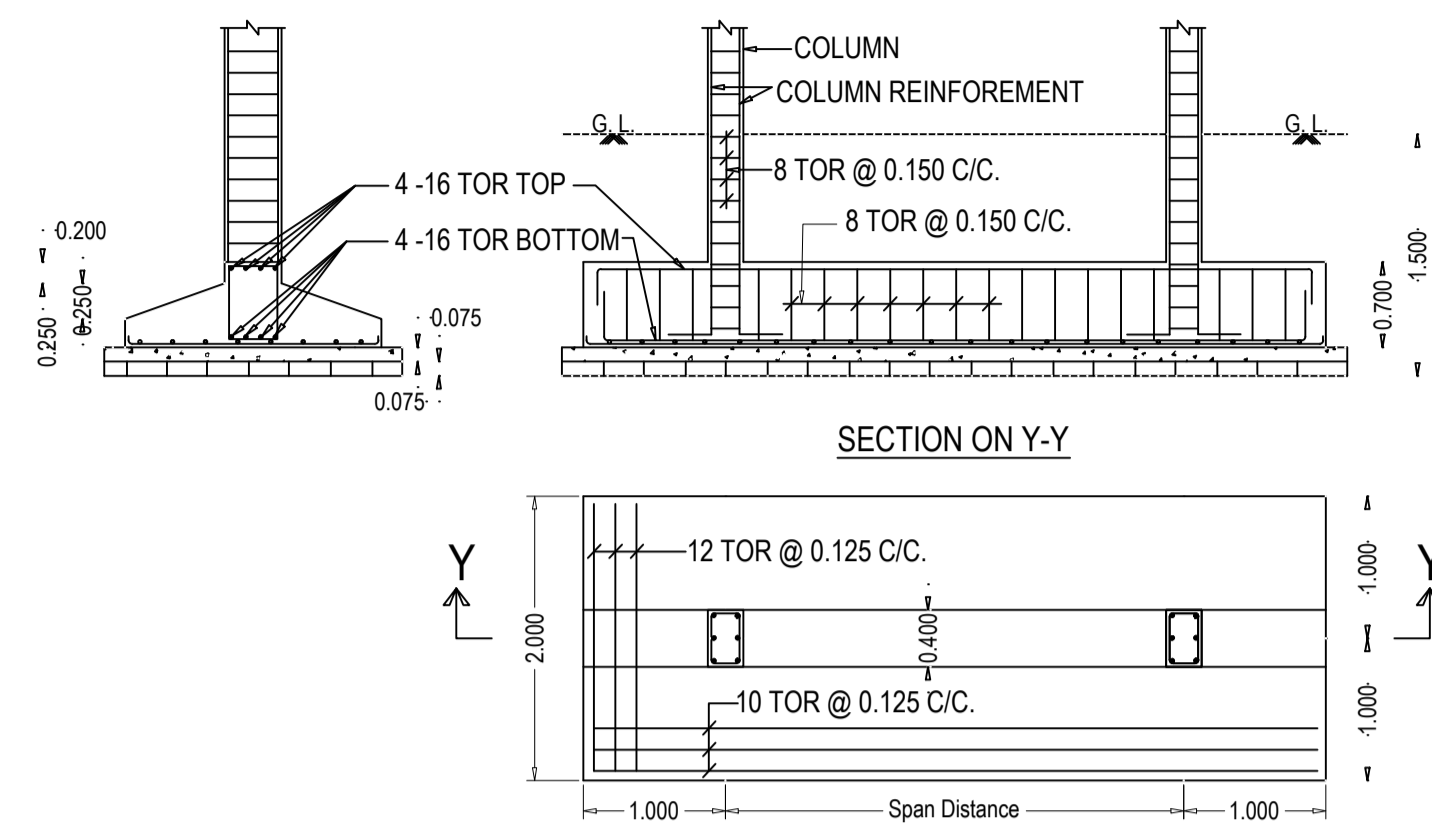
SLAB MKD.	SLAB DEPTH	REINFORCEMENT		STIRRUPS
		SHORTER DIRECTION	LONGER DIRECTION	
S1	0.112 THICK.	8 TOR @ 0.150 C/C.	8 TOR @ 0.150 C/C.	
S2 (STAIR)	0.125 THICK.	10 TOR @ 0.100 C/C.(MAIN)	8 TOR @ 0.150 C/C.(BINDER)	

SCHEDULE OF COLUMN REINFORCEMENT:-

COL. MKD.	COLUMN SIZE	REINFORCEMENT		STIRRUPS
		FDN. TO 1-ST. ROOF	1-ST. ROOF TO 4-TH. ROOF	
C1	0.250 X 0.450	10-16 TOR	8-16 TOR	8 TOR 2L @ 0.150 C/C.
C2	0.250 X 0.400	8-16 TOR	6-16+212 TOR	8 TOR 2L @ 0.150 C/C.

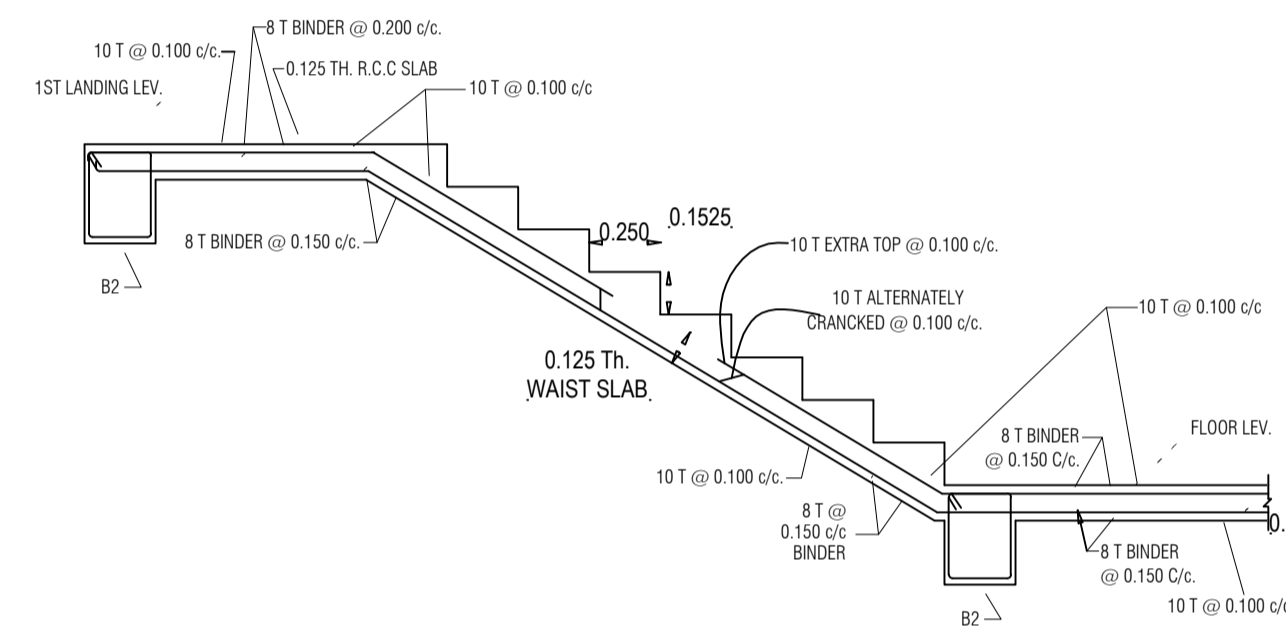
SCHEDULE OF STRIP FOOTING REINFORCEMENT:-

FDN. MKD.	FDN. SIZE	DEPTH OF BASE		REINFORCEMENT	FDN. SIZE	REINFORCEMENT	STIRRUPS
		TOE	HEEL				
F1	5.352 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F2,F3	5.475 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.450 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F4	5.964 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F5	4.735 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F7	8.775 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F8	5.400 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F9	4.996 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F10	5.309 X 2.000 4.000 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.
F11	6.754 X 2.000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8-16 TOR TOP & BOTTOM	8 TOR 4L @ 0.150 C/C.



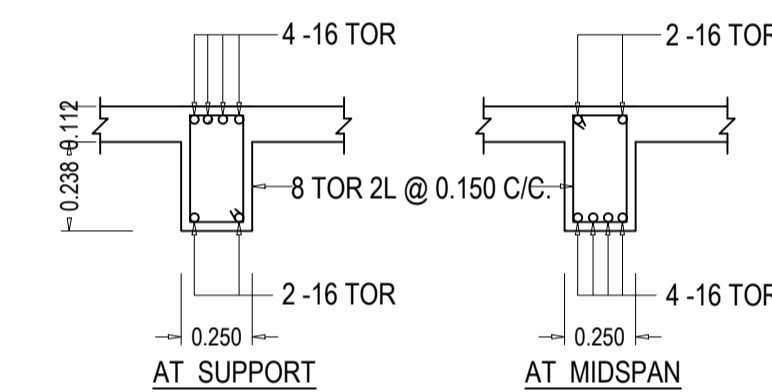
DETAILS OF TYP. STRIP FOOTING & FOUNDATION BEAM

SCALE = 2:1



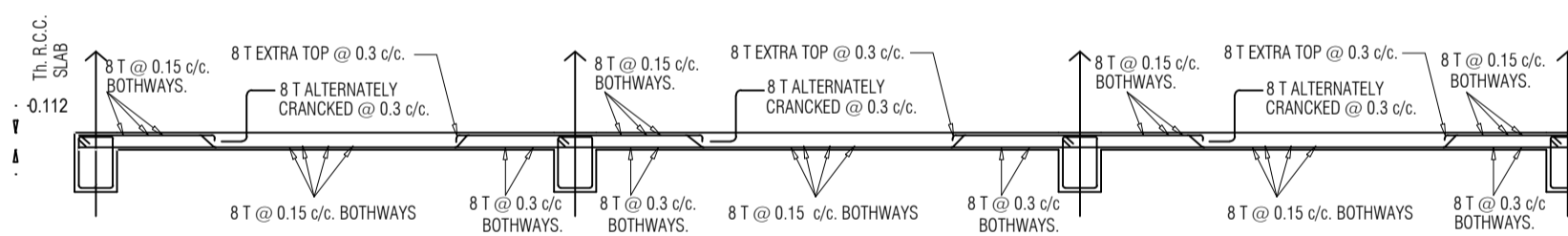
TYPICAL DETAILS OF STAIR CASE

SCALE = 4:1



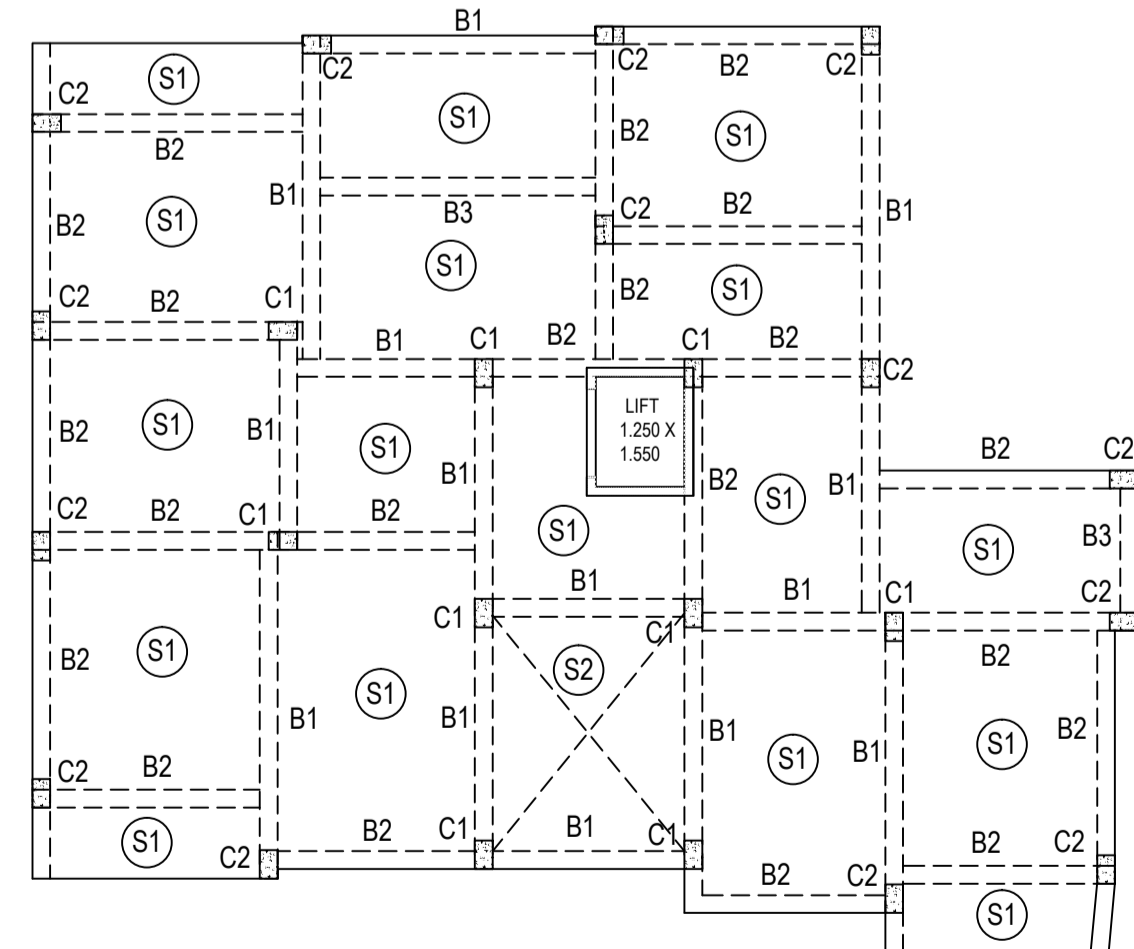
DETS. OF BEAM SEC. (B2)

SCALE = 5:1



TYPICAL DETAILS OF R.C.C. SLAB

SCALE = 2:1

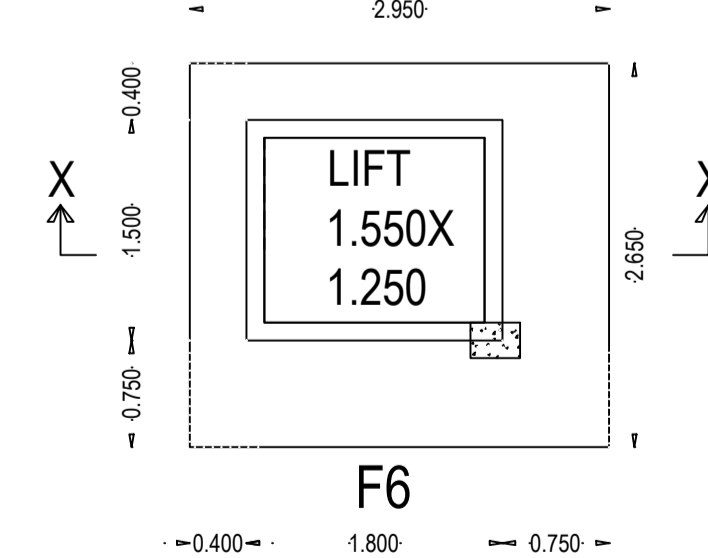


BEAM & SLAB PLAN



SECTION ON X-X

SCALE = 2:1



DETAILS OF LIFT FOUNDATION

SCALE = 2:1

STRUCTURAL DESIGNED SHEET FOR G+3 - STORIED RESIDENTIAL BUILDING PLAN OF
1) MR. HARAPRASAD NASKAR,
2) MR. SIBPRASAD NASKAR,
3) MR. DEBENDRA PRASAD NASKAR,
4) MR. DEBI PRASAD NASKAR;
5) MR. RAJENDRA PRASAD NASKAR &
6) MR. BIJAN NASKAR SITUATED AT
MOUZA - CHANDIBERIA; IN R. S. & L. R. DAG
NO.- 196; L. R. KHATIAN NOS.- 837, 838, 839,
840, 841 & 311 / 2; J. L. NO.- 15; R. S. NO.- 176;
TOUZI NO.- 10; P. S.- NEW TOWN; DIST.-
24-PARGANAS (N); UNDER WARD NO.- 25 OF
BIDHANNAGAR MUNICIPAL CORPORATION.

NOTES :-

- All Dimensions are in Meters Unless Spofied.
- Scale :- 1:1, 4:1, 5:1.
- Written Dimensions are to be followed.
- The Drawing is to be read in conjunction with Architectural Drawing.
- All Dimmensions should be checked at site.
- 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
- Live load in floors considered 200 kg/sqm.
- Extra top and bottom reinforcement:-
 Beam (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.
- Soz specification of materials & workmanship follow N.B.C. 2005 and IS: 456-2000.
- Grade of concrete M-25 AS Specified.
- Grade of steel : H.Y.S.D. - Fe - 500.
- P.C.C. should be of grade M-15.
- Basis of Designed are both working stress & limit state method.

CERTIFICATE OF ENGINEER / L.B.S.:-

CERTIFIED THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME/US WILL MAKE SUCH THOSE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL, ETC.

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

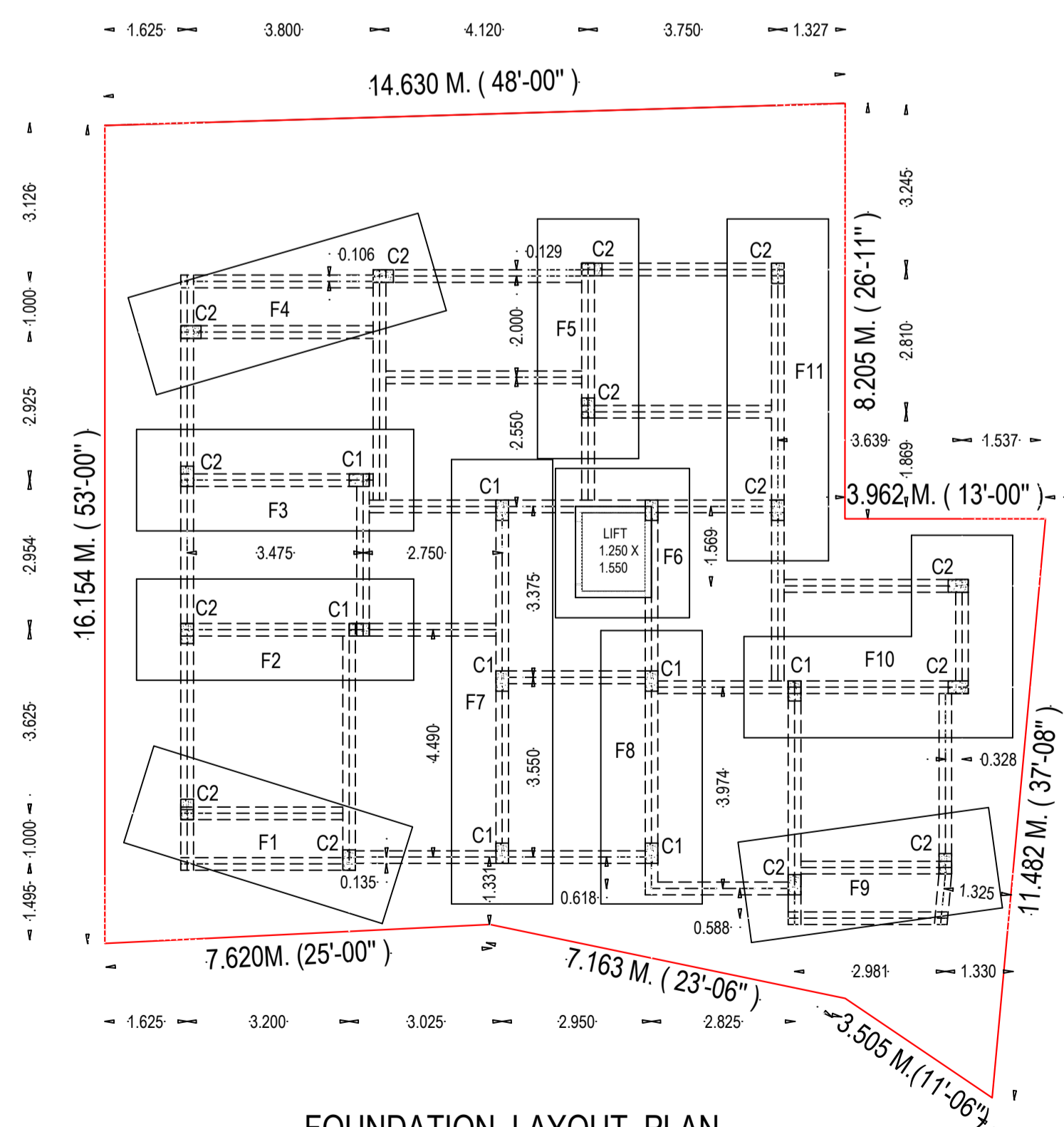
:- SIGNATURE OF GEO-TECHNICAL ENGINEER :-

:- SIGNATURE OF STRUCTURAL ENGINEER :-

CERTIFICATE OF OWNER :-

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 OWN



FOUNDATION LAYOUT PLAN