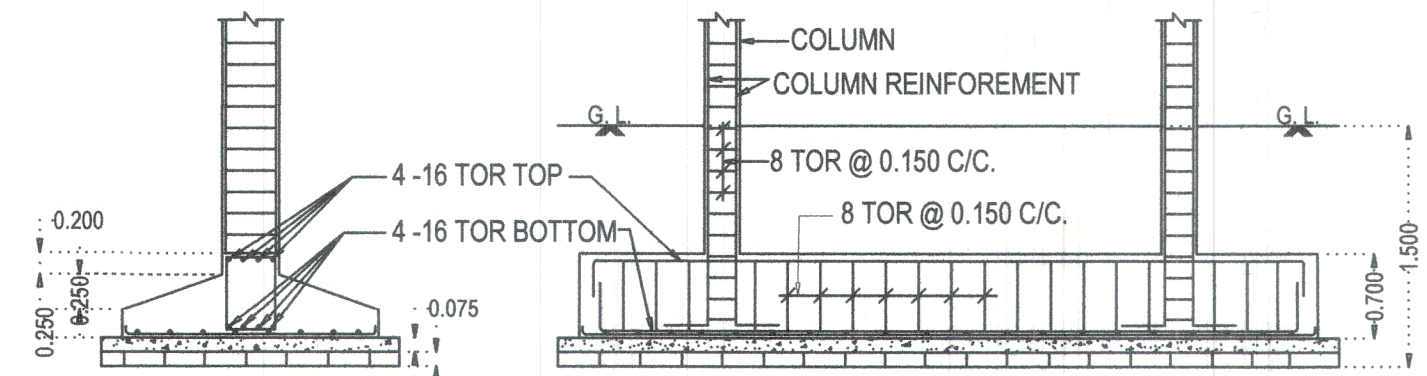


SCHEDULE OF BEAM REINFORCEMENT:-						
BEAM MKD.	BEAM SIZE B X D	REINFORCEMENT				STIRRUPS
		AT SUPPORT		AT MIDSPAN		
		TOP	BOTTOM	TOP	BOTTOM	
B1	0.250 X 0.450	5-16 TOR	3-16 TOR	3-16 TOR	5-16 TOR	8 TOR 2L @ 0.150 C/C.
B2	0.250 X 0.400	4-16 TOR	2-16 TOR	2-16 TOR	4-16 TOR	8 TOR 2L @ 0.150 C/C.
TB	0.250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

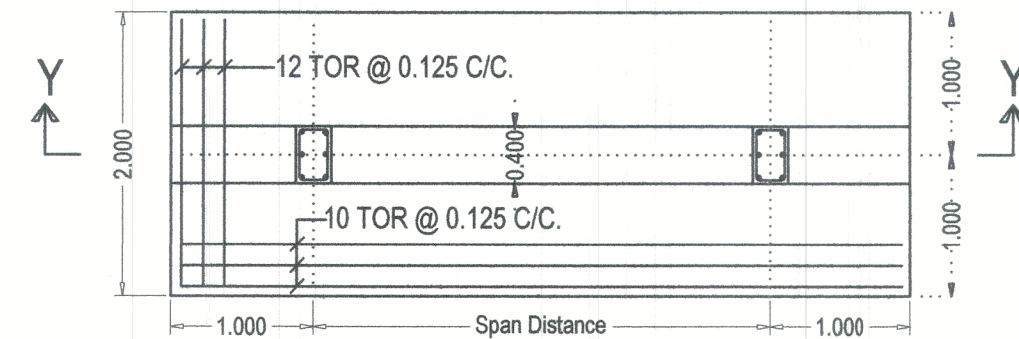
SCHEDULE OF SLAB REINFORCEMENT:-			
SLAB MKD.	SLAB DEPTH	REINFORCEMENT	
		SHORTER DIRECTION	LONGER DIRECTION
S1	0.112 THICK.	8 TOR @ 0.150 C/C.	8 TOR @ 0.150 C/C.
S2 (STAIR)	0.125 THICK.	10 TOR @ 0.100 C/C.(MAIN)	8 TOR @ 0.150 C/C.(BINDER)

SCHEDULE OF COLUMN REINFORCEMENT:-					
COL MKD.	COLUMN SIZE	REINFORCEMENT			STIRRUPS
		FDN. TO 1-ST. ROOF	1-ST. ROOF TO 2-ND. ROOF	2-ND. ROOF TO 4-TH. ROOF	
C1	0.250 X 0.450	10-16 TOR	8-16 TOR	8-16 TOR	8 TOR 2L @ 0.150 C/C.
C2	0.250 X 0.400	8-16 TOR	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	STIRRUPS
		TOE	HEEL			
F1	5.325 X 2000	0.250	0.500	12 TOR @ 0.125 C/C.(MAIN) 12 TOR @ 0.125 C/C.(VERTICALLY)	0.400 X 0.700	8 TOR 4L @ 0.150 C/C.
F2,F3,F7,F8,F9	4.900 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 TOR 4L @ 0.150 C/C.
F4	6.720 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 TOR 4L @ 0.150 C/C.
F5	5.125 X 2.000 4.950 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 TOR 4L @ 0.150 C/C.
F6	5.480 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 TOR 4L @ 0.150 C/C.
F10	6.650 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 TOR 4L @ 0.150 C/C.

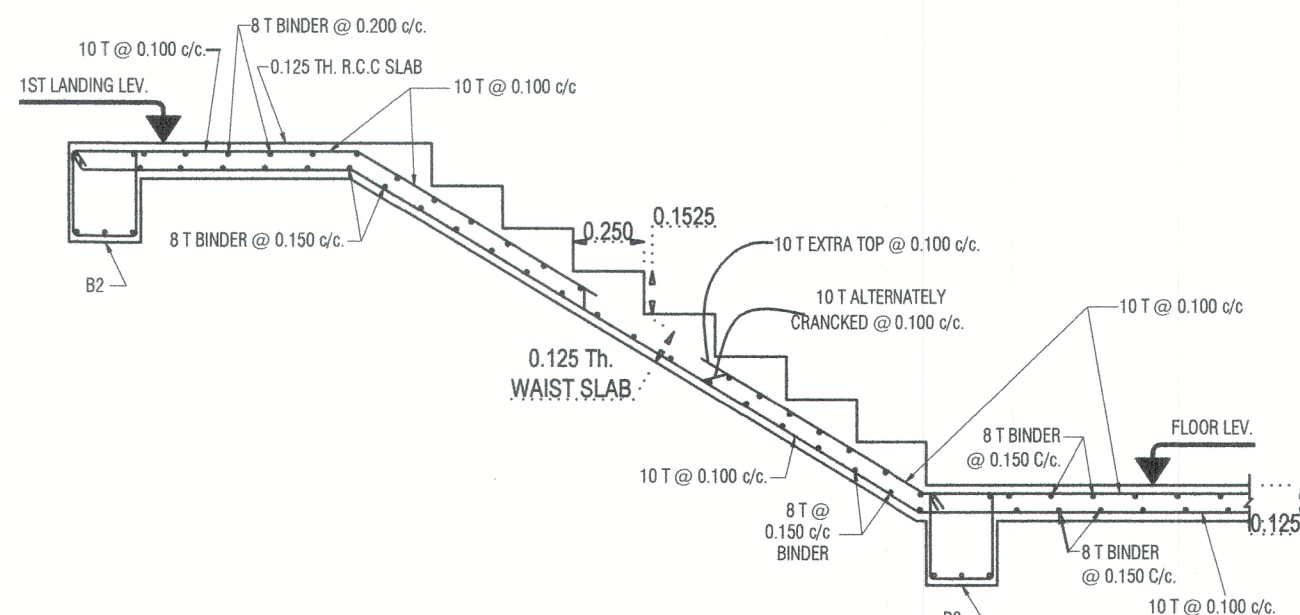


SECTION ON Y-Y



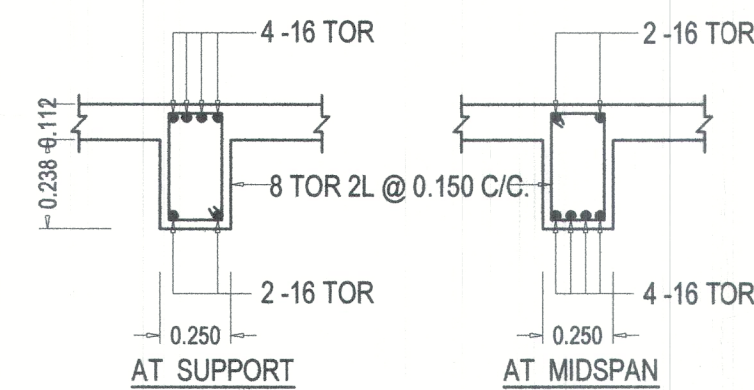
DETAILS OF TYP. STRIP FOOTING & FOUNDATION BEAM

SCALE = 2: 1



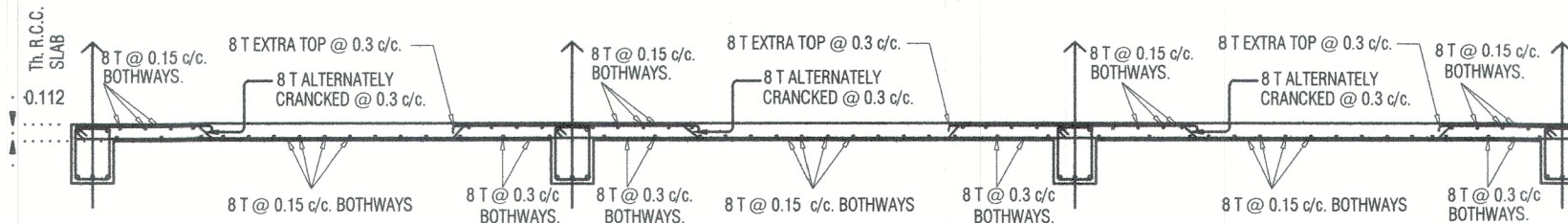
TYPICAL DETAILS OF STAIR CASE

SCALE = 4: 1



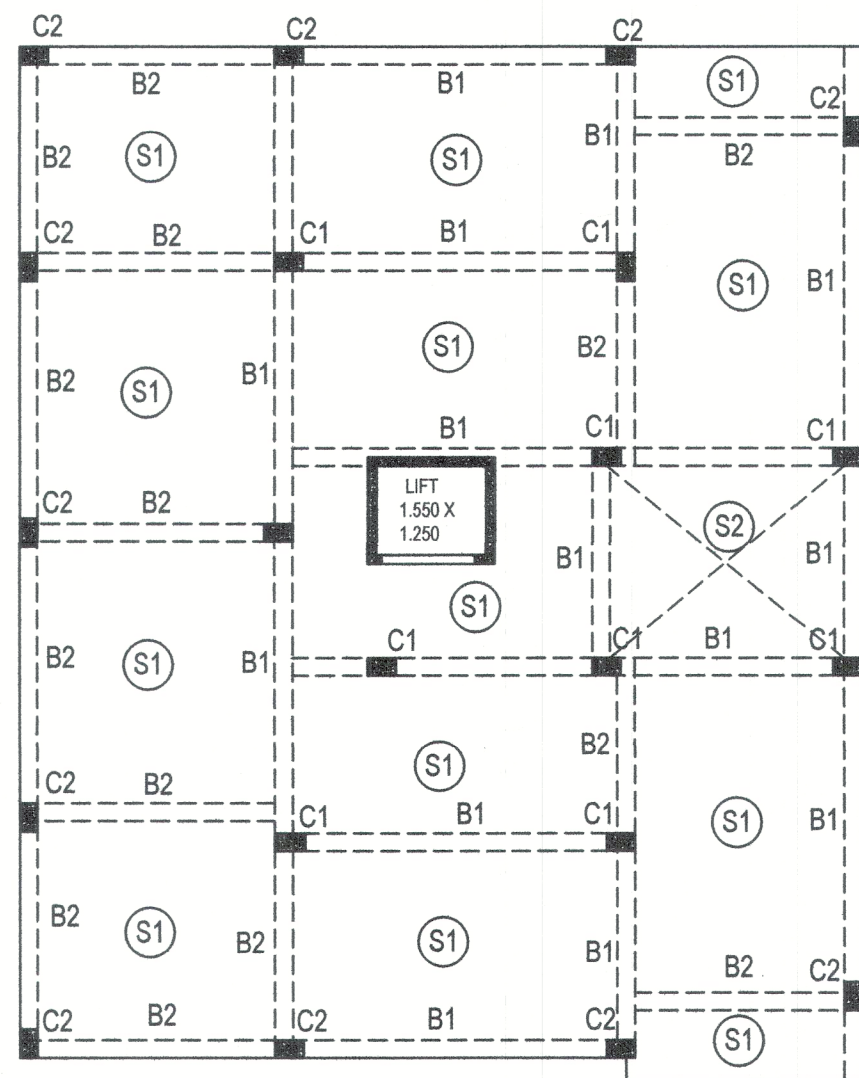
DETS. OF BEAM SEC. (B2)

SCALE = 5: 1

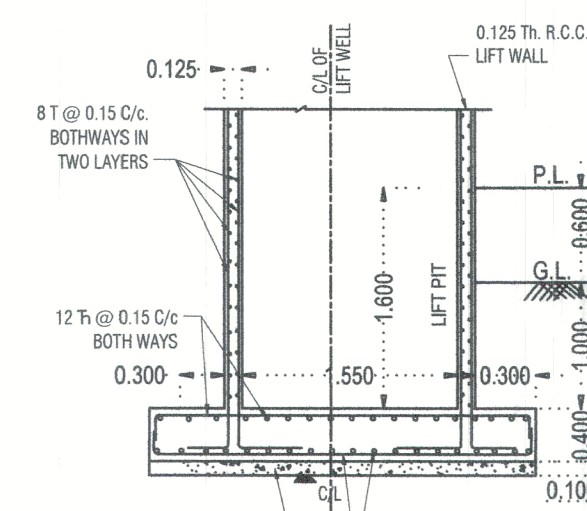


TYPICAL DETAILS OF R.C.C. SLAB

SCALE = 2: 1

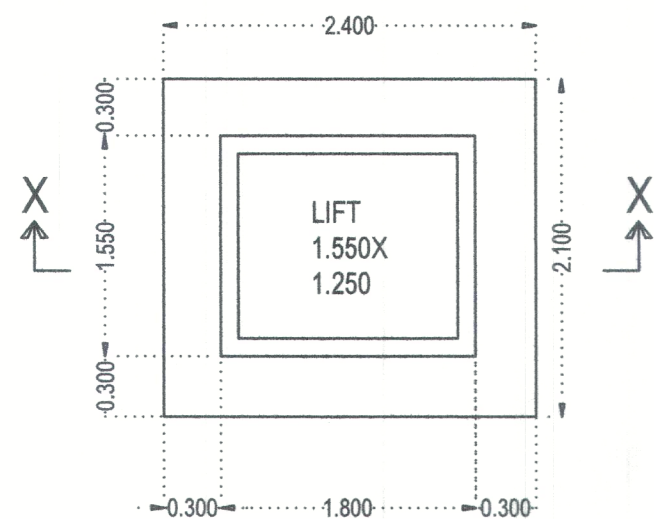


BEAM & SLAB PLAN



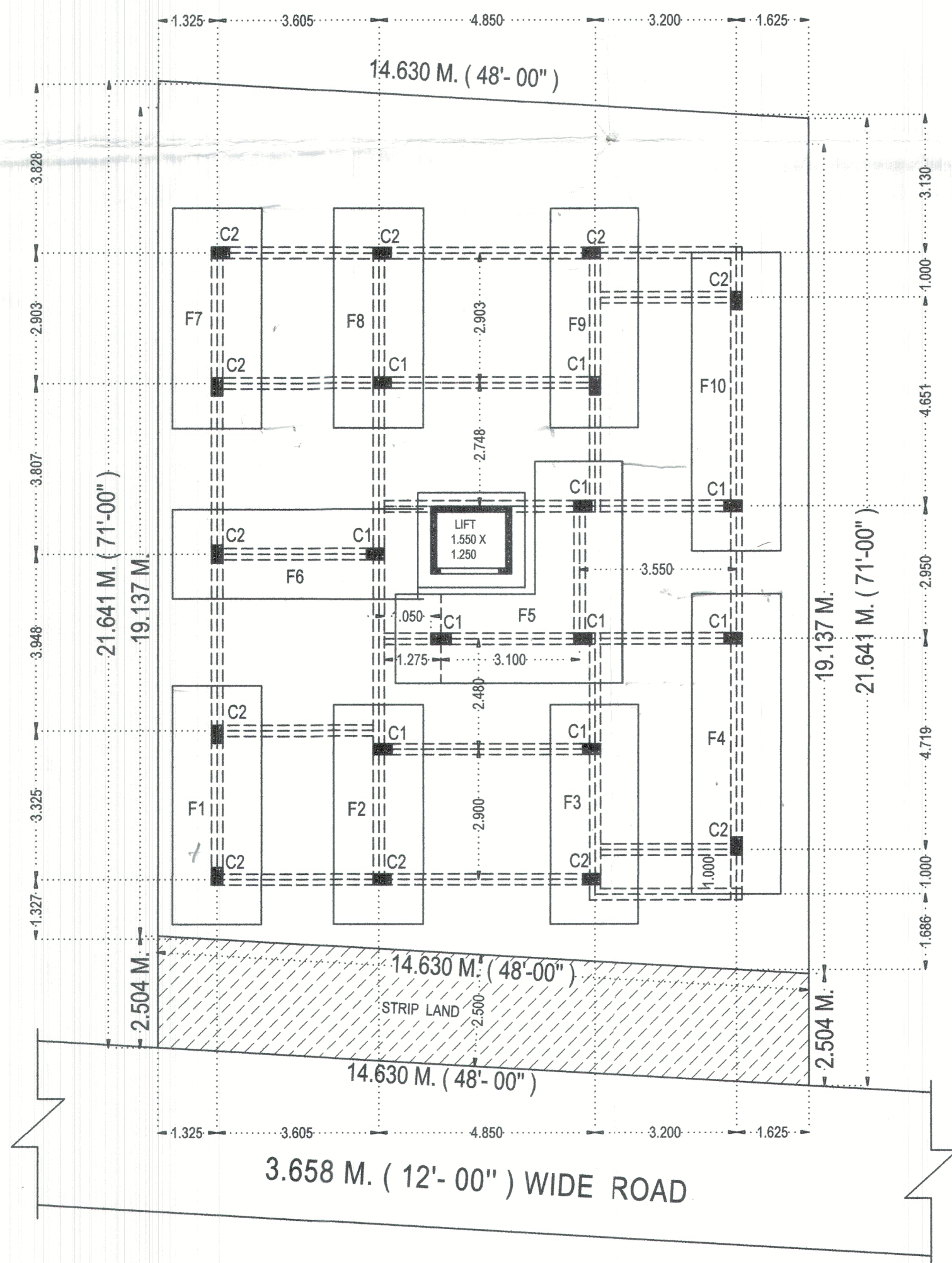
SECTION ON X - X

SCALE = 2: 1



DETAILS OF LIFT FOUNDATION

SCALE = 2: 1



FOUNDATION LAYOUT PLAN

STRUCTURAL DESIGNED SHEET FOR G + 3 -
STORIED RESIDENTIAL BUILDING PLAN OF
MD. SHAMIM AKHTAR; SITUATED AT
MOUZA - HATIARA; IN R. S. & L. R. DAG
NO.- 1342; L. R. KHATIAN NOS.- 21054; J. L.
NO.- 14; R. S. NO.- 188; TOUZI NO.- 160-162, 3;
P. S.- ECO PARK; DIST.- 24-PARGANAS (N);
UNDER WARD NO.- 13 OF BIDHANNAGAR
MUNICIPAL CORPORATION; HOLDING NO.-
AS / 368 (19 / 13), BLOCK- D.

NOTES :-

- All Dimmensions are in Meters Unless Spified.
- Scale :- 1:1, 4:1, 5:1.
- Written Dimmensions 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.
- Sor 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.

Susanta Ghosal
SUSANTA GHOSAL
ARCHITECT
A.I.A.: M.C.A.
REG. NO.-CA/94/17441

:- 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 OWNER :-

