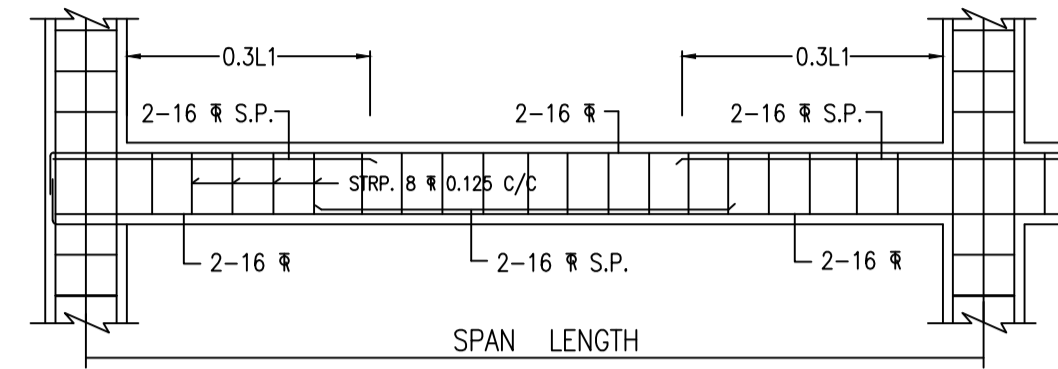
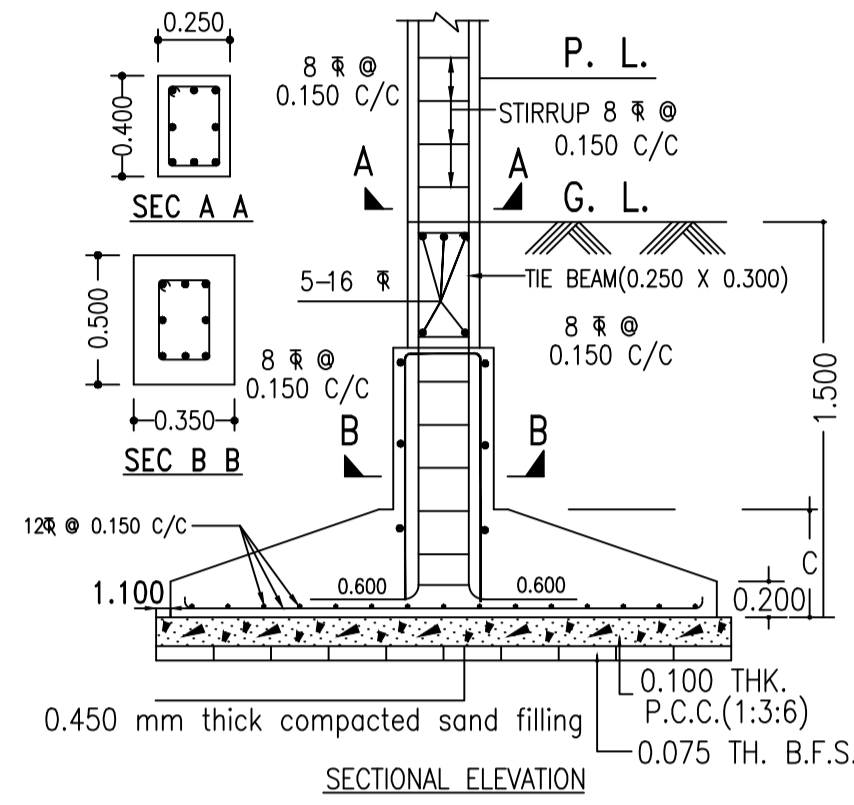


Fig :- Layout of steel in restrained two way slabs.

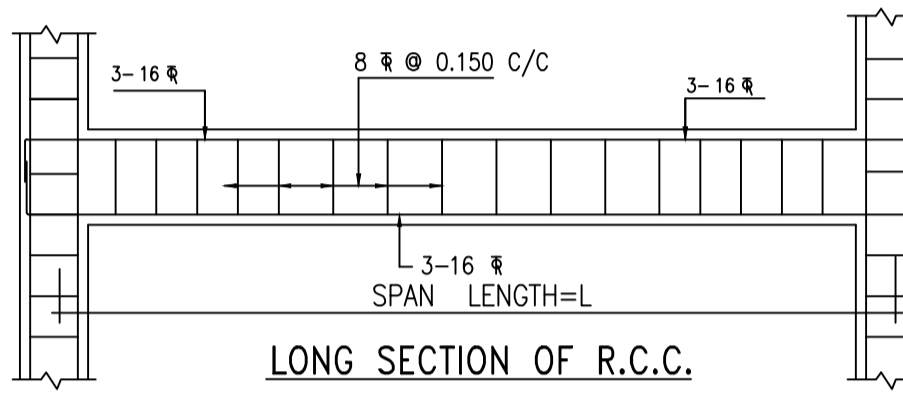
SECTION OF SLAB WITH BEAM AT : M-N

- NOTE :**
- S = Spacing between two bars (center to center distance two bars)
 - D = Overall depth of slab.
 - d = Clear cover of slab (0.020mm)
 - 1. Main steel along Lx (Short direction) direction in middle strip, (AS PER SLAB SCHEDULE)
 - 2. Main steel along Ly (long direction) direction in middle strip, (AS PER SLAB SCHEDULE)

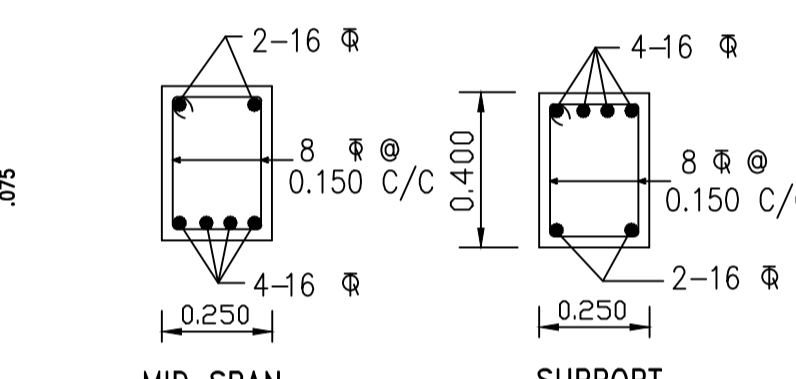
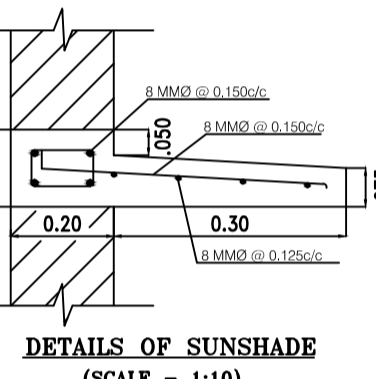
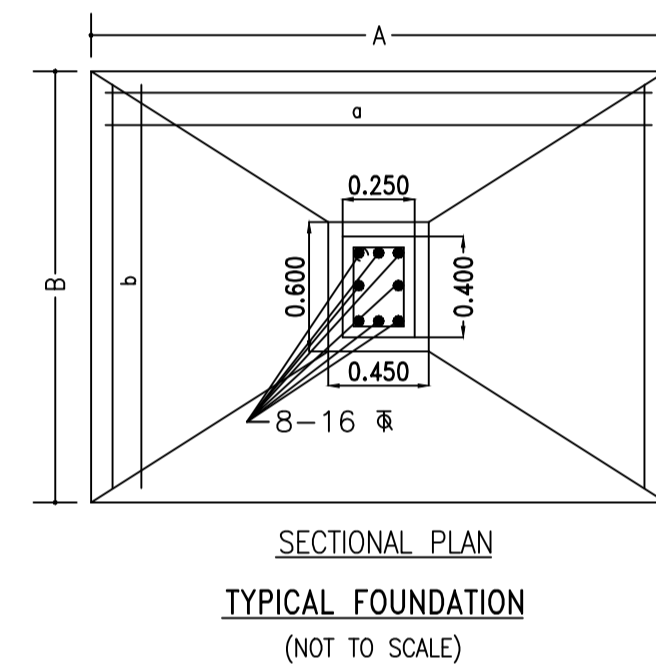
SCHEDULE OF SLAB						
SLAB MKD.	THICK. (mm.)	TYPE OF SLAB	SHORT SPAN REINFORCEMENT DETAILS		LONG SPAN REINFORCEMENT DETAILS	
			SPAN	SUPPORT	SPAN	SUPPORT
S1	0.100	TWO-WAY	8 # @ 0.150 C/C (AT TOP & BOT)		8 # @ 0.150 C/C (AT TOP & BOT)	
S2	0.125	TWO-WAY	10 # @ 0.150 C/C (AT TOP & BOT)		8 # @ 0.150 C/C (AT TOP & BOT)	



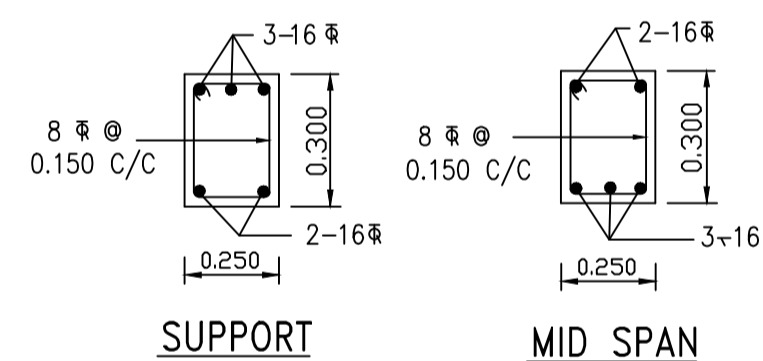
DETAILS OF TYPICAL FLOOR BEAM (0.250 X 0.400) (BEAM MARKED BY : B1)



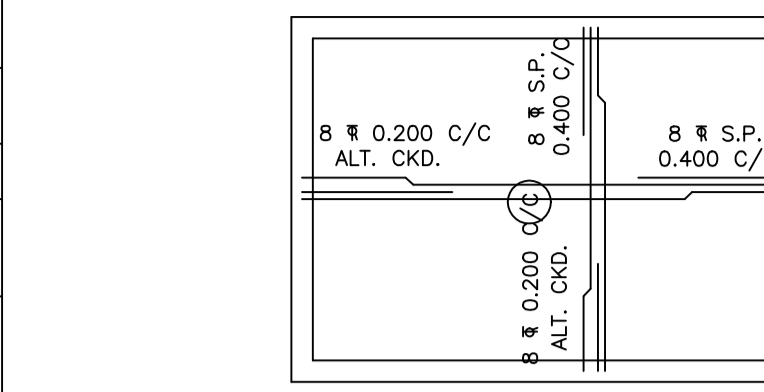
LONG SECTION OF R.C.C. TIE BEAM (0.250 X 0.300) (NOT TO SCALE)



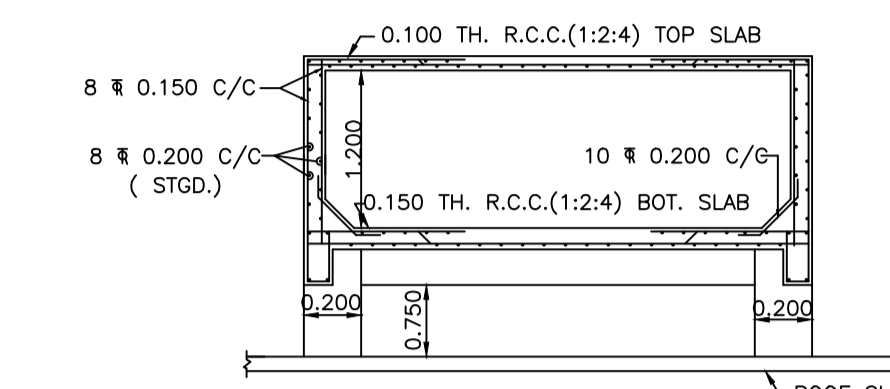
TYPICAL FLOOR BEAM DETAILS



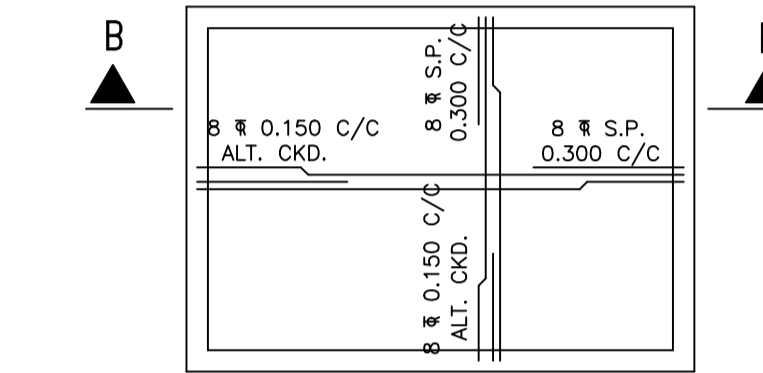
TIE BEAM DETAILS



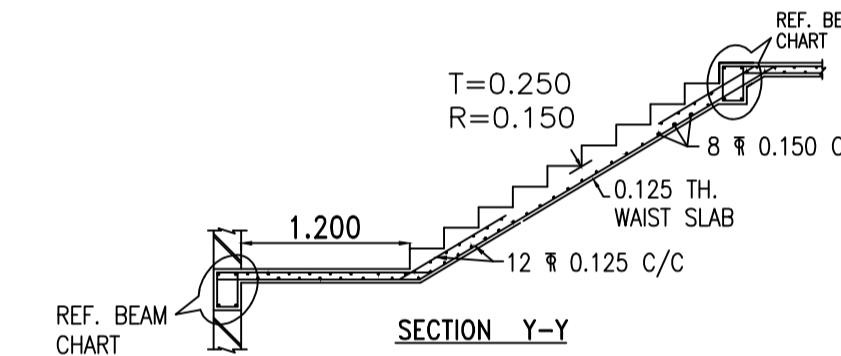
O.H. RESERVOIR TOP SLAB



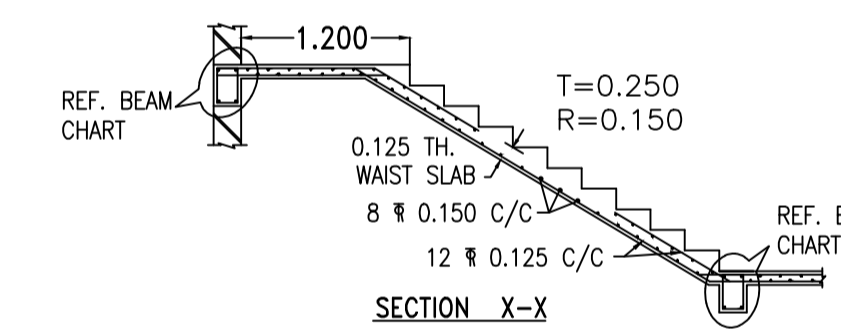
SECTION B-B



O.H. RESERVOIR BOTTOM SLAB
CAPACITY-100 USERS



SECTION Y-Y

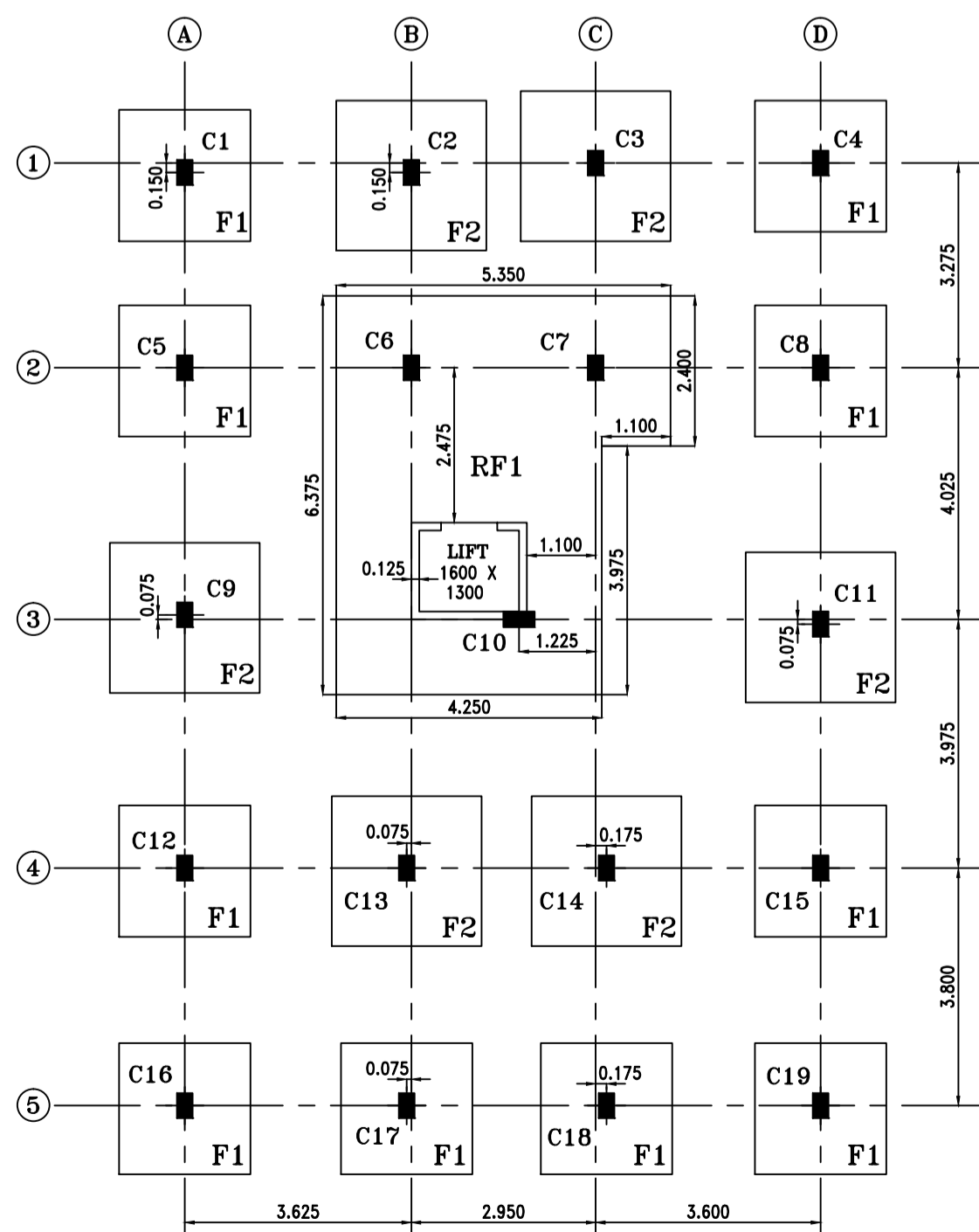


SECTION X-X
STAIRCASE DETAILS (NOT TO SCALE)

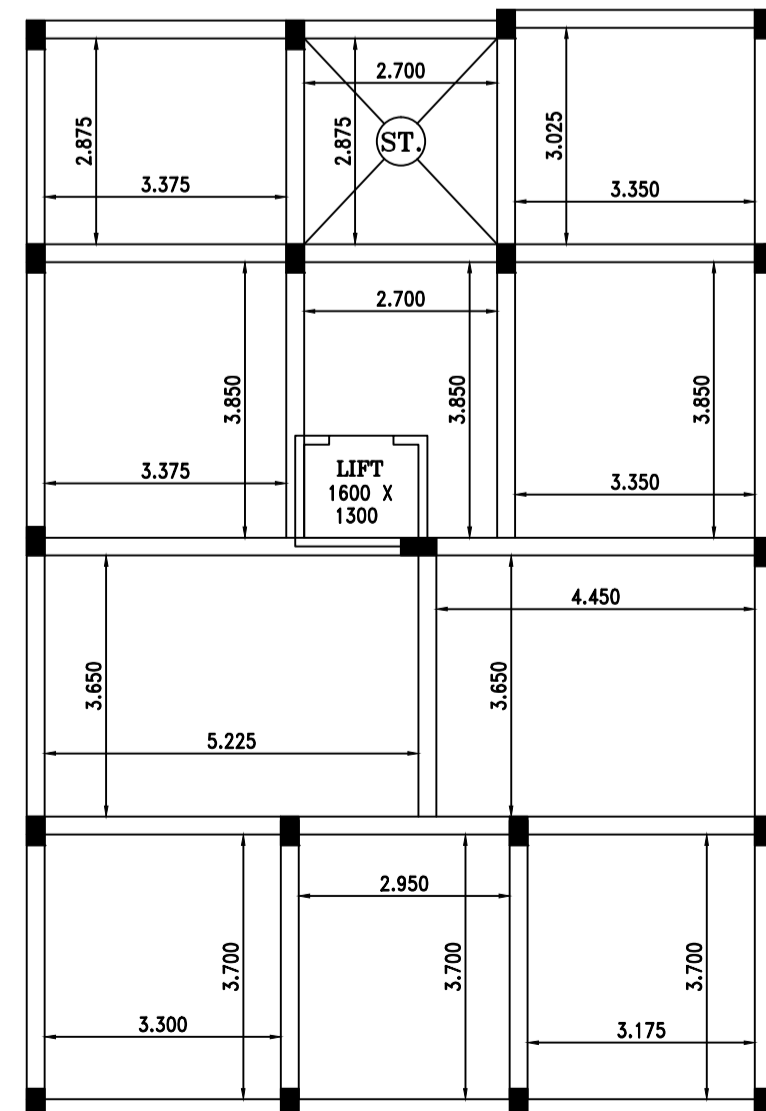
COLUMN CHART						
S.L NO.	COLUMN MKD.	GR. FL.	1ST. FL.	2ND. FL.	3RD. FL.	AB. ROOF
1.	C1, C4, C16, C17, C18, C19.	8-16 #	6-16 #	6-16 #	8-12 #	
	(0.400 X 0.250)		2-12 #	2-12 #		
2.	C2, C3, C5, C6, C7, C8, C9, C11, C12, C13, C14, C15.	8-16 #	8-16 #	8-16 #	6-16 #	4-16 #
	(0.400 X 0.250)				2-12 #	4-12 #
3.	C10.	6-16 #	6-16 #	6-16 #	4-16 #	4-12 #
	(0.500 X 0.250)		4-16 #	4-16 #	6-12 #	4-12 #

COLUMNS WITHIN ○ GOES ABOVE ROOF.

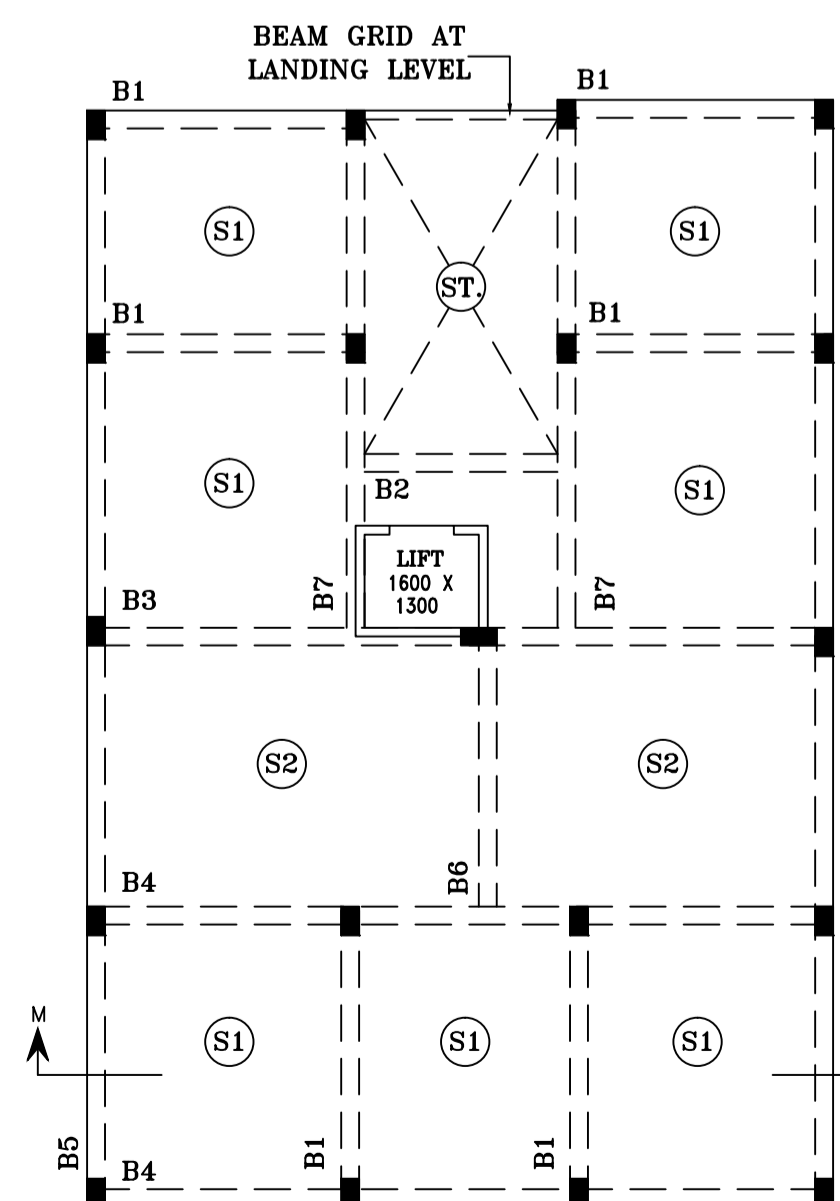
FOUNDATION CHART						
SL. NO.	FOUNDATION TYPE	L	B	C	REINFORCEMENT	
					ALONG X-DIRN.	ALONG Y-DIRN.
1.	F1	2.100	2.100	0.400	12 # 0.150 C/C	12 # 0.150 C/C
2.	F2	2.400	2.400	0.500	12 # 0.150 C/C	12 # 0.150 C/C
4.	RF1	AS PER DRAWING		0.350 THK. BASE SLAB	12 # 0.125 C/C DOUBLE LAYER	12 # 0.125 C/C DOUBLE LAYER



CENTER LINE WITH FOUNDATION LAYOUT PLAN

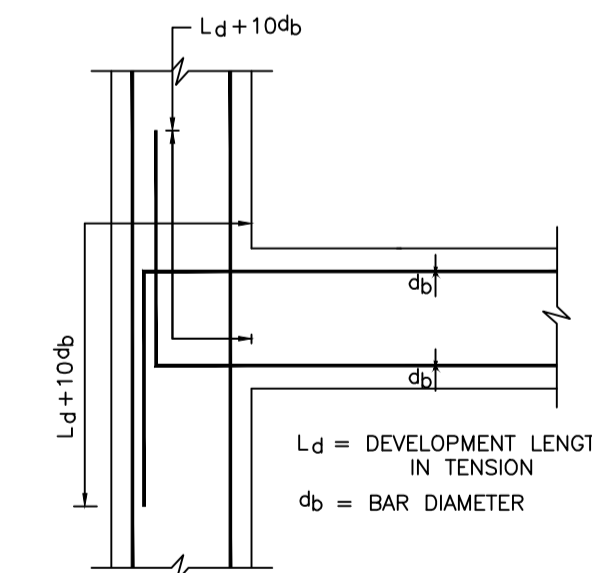


TIE BEAM GRID AT GROUND LEVEL

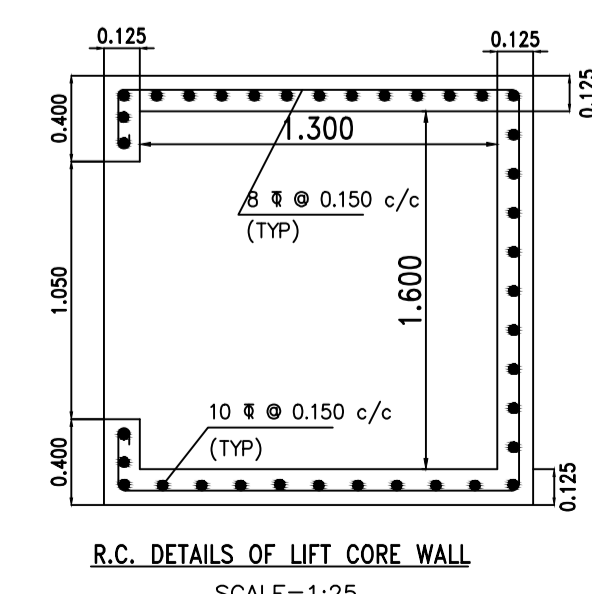


BEAM GRID AT TYPICAL FLOOR LEVEL

BEAM CHART FOR TYPICAL FLOOR LEVEL											
BEAM MARKS	LEV. & SEC.	REINFORCEMENT		1ST. SPAN		2ND. SPAN		3RD. SPAN		4TH. SPAN	
		T. CONT.	B. CONT.	START	MIDDLE END	MIDDLE END	MIDDLE END	MIDDLE END	MIDDLE END	MIDDLE END	
B1	0.250 X 0.400	2-16 #	2-16 #	E.T. 2-16 #	2-16 #	E.B. 2-16 #	2-16 #				
				STRPS. 8 # @ 0.150 C/C							
B2	0.250 X 0.400	3-12 #	3-12 #	E.T. ----	----	E.B. ----	----				
				STRPS. 8 # @ 0.150 C/C							
B3	0.250 X 0.500	2-20 #	2-20 #	E.T. 2-16 #	2-16 #	E.B. 2-16 #	2-16 #				
				STRPS. 8 # @ 0.125 C/C							
B4	0.250 X 0.400	2-16 #	2-16 #	E.T. 2-16 #	2-16 #	E.B. 2-16 #	2-16 #				
				STRPS. 8 # @ 0.150 C/C							
B5	0.250 X 0.400	2-16 #	2-16 #	E.T. 2-16 #	2-16 #	E.B. 2-16 #	2-16 #				
				STRPS. 8 # @ 0.150 C/C							
B6	0.250 X 0.400	3-16 #	3-16 #	E.T. ----	----	E.B. ----	----				
				STRPS. 8 # @ 0.150 C/C							
B7	0.250 X 0.400	3-16 #	3-16 #	E.T. ----	----	E.B. ----	----				
				STRPS. 8 # @ 0.150 C/C							



ANCHORAGE OF BEAM BARS IN AN EXTERNAL JOINT



R.C. DETAILS OF LIFT CORE WALL SCALE=1:25

THE PLAN OF PROPOSED FOUR STORED RESIDENTIAL BUILDING AT PREMISES NO.-61, BEEHIVE GARDEN, COLONY, BELGHARIA, KOL.-700056. MOUZA-BELGHORIA, C.S. DAG NOS.-3085(P) & 3077, R.S./L.R. KHATIAN NO.-61, HOLDING NO.-660, WARD NO.-17, S.P.NO.-1744, L.R.KHATIAN NO.-3097, P.S.-BELGHARIA, DIST.-24 PARGANAS (N), UNDER "KAMARHATI MUNICIPALITY"

NAME OF THE ASSESSEE:
"M/S PRATHAM CONSTRUCTION" PARTNERS-1. SRI AMIT DASGUPTA, 2. SRI BISWANATH DEB, 3. SRI SAMIR KUMAR ROY, 4. SRI PARTHA SARATHI GUHA.

HEIGHT OF THE BUILDING 12.50 M FROM GROUND LEVEL.

OWNER'S DECLARATION
I/WE HEREBY DECLARE THAT WE ARE THE OWNERS/LESSEES OF THE PROPERTY TO BE BUILT UPON AND THE COPY OF THE REGISTERED DEED OF THE LAND OR OTHER DOCUMENTS IN SUPPORT OF OWNERSHIP/LEASES OF LAND ARE SUBMITTED HERewith. THAT THE AFORESAID PLOT OF LAND IS THE ONLY PLOT OF VACANT LAND HELD BY ME/US IN ANY OF THE URBAN AGGLOMERATIONS COVERED UNDER THE URBAN LAND (CEILING AND REGULATION) ACT, 1976 AND THAT EXTENT OF THAT PLOT IS WITHIN THE CEILING LIMIT ON VACANT LAND IMPOSED BY THE SAID ACT.

OWNER'S DECLARATION
1. SRI AMIT DASGUPTA, 2. SRI BISWANATH DEB, 3. SRI SAMIR KUMAR ROY, 4. SRI PARTHA SARATHI GUHA. SIGNATURE OF OWNER/S

STRUCTURAL ENGINEER DECLARATION
CERTIFIED THAT I HAVE BEEN ENGAGED AS LICENSED BUILDING SURVEYOR-I FOR THE PROPOSED BUILDING AT THIS PREMISES BY THE OWNERS/LESSEES FOR PLANNING, DESIGNING, SUPERVISION & COMPLETION OF THE WORK AS PER THE WEST BENGAL MUNICIPAL (BUILDING) RULES, 2007 (AMENDED). I WILL BE INDIVIDUALLY RESPONSIBLE FOR ENSURING THE SAFETY OF THE BUILDING AS A WHOLE. I HEREBY CERTIFY THAT AS A STRUCTURAL ENGINEER, ANY STRUCTURAL FAILURE OF THE BUILDING IS NOT LIABLE OF THE KAMARHATI MUNICIPALITY.

SRI NILABJA SARKAR
SIG. OF STRUCTURAL ENGINEER

NOTES:-
1. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE MENTIONED.
2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. ALL THE DIMENSIONS ARE TO BE CHECKED AT SITE.
4. CONTRACTORS TO STUDY THE DRAWINGS CAREFULLY AND CLARIFICATIONS REGARDING DISCREPANCY, IF ANY SHALL HAVE TO BE OBTAINED FROM THE ENGINEER / ARCHITECT CONCERNED BEFORE COMMENCEMENT OF WORK.
5. ALL R.C.C. WORK TO BE DONE IN M-20 GRADE OF CONCRETE.
6. GRADE OF STEEL IS 415 AS PER IS :456.
7. P. C. C. SHOULD BE 1:3:6.
8. BEARING CAPACITY OF SOIL 12 TON/ SQ. M. (ASSUMED).
9. LAP LENGTH SHOULD BE 50 TIMES OF THE DIA. OF BAR.
10. CURING TIME OF ALL R.C.C. MEMBERS SHOULD BE 7-10 DAYS.
A.T - ALL THROUGH / E.T - EXTRA TOP / E.B - EXTRA BOTTOM

COVER OF R.C.C. MEMBERS:
COVER FOR FOOTING : 0.050 M.
COVER FOR COLUMNS : 0.040 M.
COVER FOR BEAMS : 0.025 M.
COVER FOR SLABS : 0.020 M.

TITLE :-
CENTER LINE WITH FOUNDATION LAY-OUT PLAN, TIE BEAM GRID AT GROUND, BEAM GRID AT TYPICAL FLOOR PLAN, TYPICAL FLOOR LEVEL, FOUNDATION CHART & DETAILS, BEAM CHART & DETAILS, COLUMN CHART & SLAB CHART.

DATE :
DEALT :
CHECKED :
AIN NO. :

