SCHEDULE OF FLOOR BEAMS

Beam Mkd	Size B	Size D	All Through Top(a)	All Through Bott.(c)	Ext. of End Supp. Top (b)	Ext. of Span. Bott (e)	STIRRUPS Support	STIRRUPS Span
B1	250	400	2-16 T	2-16 T	2-16 T	2-16 T	2L-8 Φ125C/C	2L-8 Φ150C/C
B2	250	450	3-16 T	3-16 T	2-16 T	2-16 T	4L-8 Φ100C/C	4L-8 Φ125C/C
B3	250	450	3-20 T	3-20 T	2-16 T	2-16 T	4L-8 Φ100C/C	4L-8 Φ125C/C
B4	250	450	3-16 T	3-16 T	2-20 T	2-20 T	2L-8 Φ125C/C	2L-8 Φ150C/C
B5C	250	450	5-16 T	3-16 T			2L-8 Φ125C/C	2L-8 Φ125C/C
B6	250	400	2-16 T	2-16 T	2-12 T	2-12 T	4L-8 Φ100C/C	4L-8 Φ125C/C
B7	250	400	2-16	2-16 T			4L-8 Φ125C/C	4L-8 Φ125C/C
HL8	250	400	3-16 T	3-16 T	2-12 T	2-12 T	2L-8 Φ125C/C	2L-8 Φ125C/C

SCHEDULE OF ISOLATED FOUNDATION :-

MKD.	UNDER COLS.	SIZE OF FOOTING(MM)	THICKNESS (MM)	SIZE OF PEDESTAL (LXBXH)	REINFORCEMENT ALONG SHRT. DIRC.	REINFORCEMENT ALONG LONG. DIRC.
F1	C1,C2,C3,C8,C9,C14, C17,C24,C32,C33, C34,C36,C37	2350X2350	400	450X650X700 12 -12 MM	12 TOR Φ135 C/C	12 TOR Φ135 MM C/C
F2	C35,C38,C39,C40, C41,C42	2150X2150	400	450X650X700 12 -12 MM	12 TOR Φ150 C/C	12 TOR Φ150 MM C/C
F3	C4,C5,C25,C26,C27	2450X2450	400	450X650X700 12 -12 MM	12 TOR Φ125 C/C	12 TOR Φ125 MM C/C
F4	C6,C7,C12,C13	2850X2850	450	450X650X750 12 -12 MM	12 TOR Φ110 C/C	12 TOR Φ110 MM C/C
F5	C10,C11,C18,C19, C23	2750X2750	450	450X650X750 12 -12 MM	12 TOR Φ115 C/C	12 TOR Φ115 MM C/C

SCHEDULE OF RAFT BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALLTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SPAN (b)	BOTTOM REINFORCEMENT ALLTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SUPPORT (e)	STIRRUPS
RB1	450	450	5 - 16 T	2 - 16 T	5 - 16 T	2 - 16 T	8 T 4L Φ125 C/C
RB2	600	450	7 - 16 T	2 - 12 T	7 - 16 T	2 - 12 T	8 T 4L Φ125 C/C
RB3	300	450	4 - 16 T		4 - 16 T		8 T 4L Φ125 C/C
RB4	600	450	7 - 16 T	2 - 12 T	7 - 16 T	2 - 12 T	8 T 4L Φ125 C/C

SCHEDULE OF SLAB:-

SLAB MKD.	THICKNESS	REINFORCEMENT ALONG SHORTER DIRECTION ALTH.	REINFORCEMENT ALONG LONGER DIRECTION ALTH.	EXTRA AT SUPPORT ALONG SHORTER DIRECTION	EXTRA AT SUPPORT ALONG LONGER DIRECTION
S1	125 MM	8 T Φ 150 MM. C/C	8 T Φ 150 MM. C/C	8 T Φ 150MM. C/C	8 T Φ 150 MM. C/C
S2	125 MM	8 T Φ 125 MM. C/C	8 T Φ 125 MM. C/C	8 T Φ 125 MM. C/C	8 T Φ 125 MM. C/C
S3	125 MM	8 T Φ 115 MM. C/C	8 T Φ 115 MM. C/C	8T Φ 115MM.C/C	8 T Φ115 MM.C/C

SCHEDULE OF RAFT SLAB UNDER C15-C16-C20-C28-C29 AND LIFT

SLAB MKD.	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION BOTTOM	REINFORCEMENT ALONG SHORTER DIRECTION TOP	REINFORCEMENT ALONG LONGER DIRECTION BOTTOM	REINFORCEMENT ALONG LONGER DIRECTION TOP
RFS	450	12 TΦ 115 C/C	12 TΦ 115 C/C	12 TΦ 115 C/C	12 TΦ 115 C/C

SCHEDULE OF TIE BEAMS

Beam Mkd	Size B	Size D	All Through Top(a)	All Through Bott.(c)	Ext. at End Supp. Top (b)	Ext. at Span. Bott (e)	STIRRUPS Support	STIRRUPS Span
TB-1	250	450	3-16 T	3-16 T	2-12 T	2-12 T	2L-8 T Φ125C/C	2L-8 T Φ150C/C
TB-2	250	500	3-16 T	3-16 T	2-16 T	2-16 T	2L-8 T Φ125C/C	2L-8 T Φ150C/C
TB-3	250	450	3-20 T	3-20 T	2-16 T	2-16 T	2L-8 T Φ125C/C	2L-8 T Φ150C/C
TB-4	250	450	2-16 T	2-16 T			2L-8 T Φ125C/C	2L-8 T Φ150C/C

SCHEDULE OF S1 MARKED SLABS (GROUND FLOOR TO TYPICAL FLOOR SLABS THICKNESS-125mm.)

BAR MKD.	REINFORCEMENT	POSITION
A	8# Φ 150 mm C/C (ALL THROUGH)	BOT.
B	8# Φ 150 mm C/C (ALL THROUGH)	BOT.
X	8# Φ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# Φ 150 mm C/C (ALL THROUGH)	BOT.
C	8# Φ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# Φ 150 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S3 MARKED SLABS (GROUND FLOOR TO TYPICAL FLOOR SLABS THICKNESS-125mm.)

BAR MKD.	REINFORCEMENT	POSITION
A	8# Φ 115 mm C/C (ALL THROUGH)	BOT.
B	8# Φ 115 mm C/C (ALL THROUGH)	BOT.
X	8# Φ 115 mm C/C (ALL THROUGH)	BOT.
Y	8# Φ 115 mm C/C (ALL THROUGH)	BOT.
C	8# Φ 115mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# Φ 150 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S2 MARKED SLABS (GROUND FLOOR TO TYPICAL FLOOR SLABS THICKNESS-125mm.)

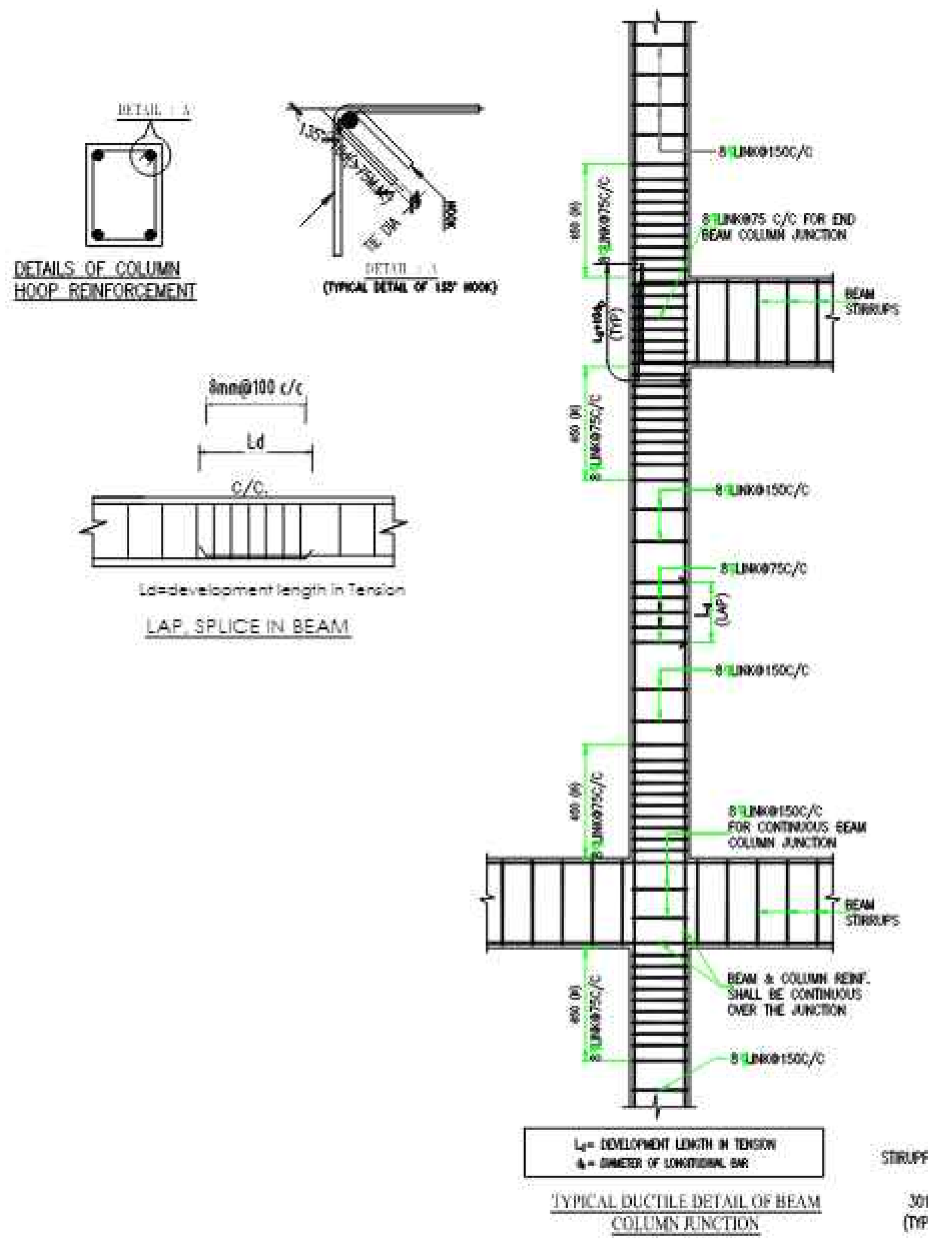
BAR MKD.	REINFORCEMENT	POSITION
A	8# Φ 125 mm C/C (ALL THROUGH)	BOT.
B	8# Φ 125 mm C/C (ALL THROUGH)	BOT.
X	8# Φ 125 mm C/C (ALL THROUGH)	BOT.
Y	8# Φ 125 mm C/C (ALL THROUGH)	BOT.
C	8# Φ 125mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# Φ 150 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF COMBINED FOUNDATION :-

MKD.	UNDER COLS.	SIZE OF FOOTING(MM)	THICKNESS (MM)	SIZE OF RIB BEAM (BXH)	TOP REINFORCEMENT ALL THROUGH (a)	TOP REINFORCEMENT EXTRA AT SPAN (b)	BOTTOM REINFORCEMENT ALLTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SUPPORT (e)	STIRRUPS IN FB	REINFORCEMENT IN FOOTING SLAB ALONG SHRT. DIRC.	REINFORCEMENT IN FOOTING SLAB ALONG LONG. DIRC.
COMB - 1	C21 - C30	4998X2550	450	650X750	7-16 T	2-16 T	7-16 T	2-16 T	4L 8T Φ 125 C/C	12 TOR Φ125 MM C/C	12TOR Φ125 MM C/C
COMB - 2	C22 - C31	5375X2750	450	650X750	7-16 T	2-16 T	7-16 T	2-16 T	4L 8T Φ 125 C/C	12 TOR Φ115 MM C/C	12TOR Φ115 MM C/C

COLUMN SCHEDULE

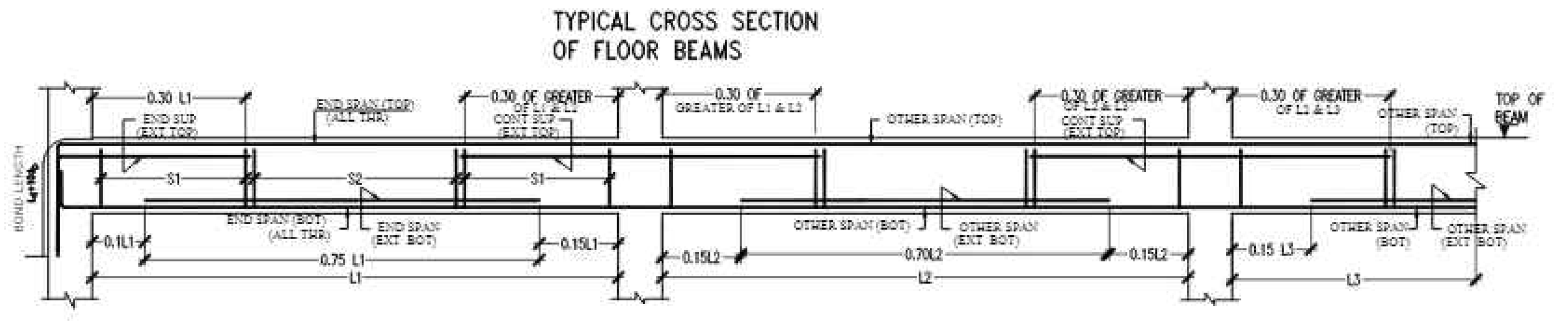
COL. GROUP MKD. SIZE	NAME OF COLUMN	FOUNDATION LEV. TO 2ND.FL. LEV.	2ND.FL. LEV. TO ROOF LEV.	LATERAL TIES
CG - 1 250 X 450	C1,C2,C8, C34,C35,C38, C39,C40,C41, C42			8T Φ150 C/C 2 sets
CG - 2 250 X 450	C3,C4,C5,C9, C14,C17,C23, C24,C28,C29, C30,C31,C32, C33,C36,C37			8T Φ150 C/C 2 sets
CG - 3 250 X 450	C6,C7,C10,C11, C12,C13,C15, C16,C18,C19, C20,C21,C22, C25,C26,C27			8T Φ150 C/C 2 sets



DETAILS OF COLUMN HOOP REINFORCEMENT

LAP SPLICE IN BEAM

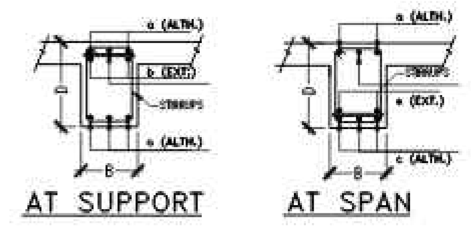
TYPICAL DUCTILE DETAIL OF BEAM COLUMN JUNCTION



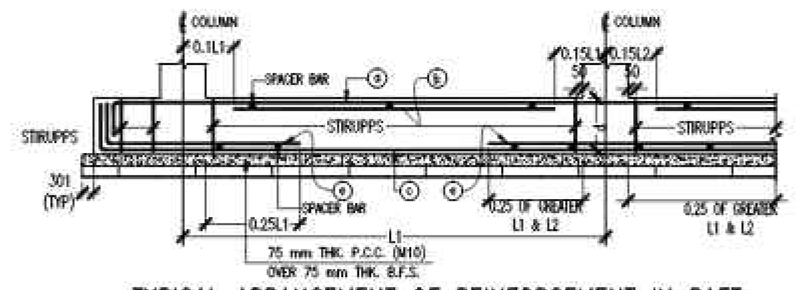
TYPICAL CROSS SECTION OF FLOOR BEAMS

TYPICAL CURTAILMENT DETAILS FOR FLOOR BEAMS (MULTIPLE SPAN BEAM)

SCALE : N.T.S.

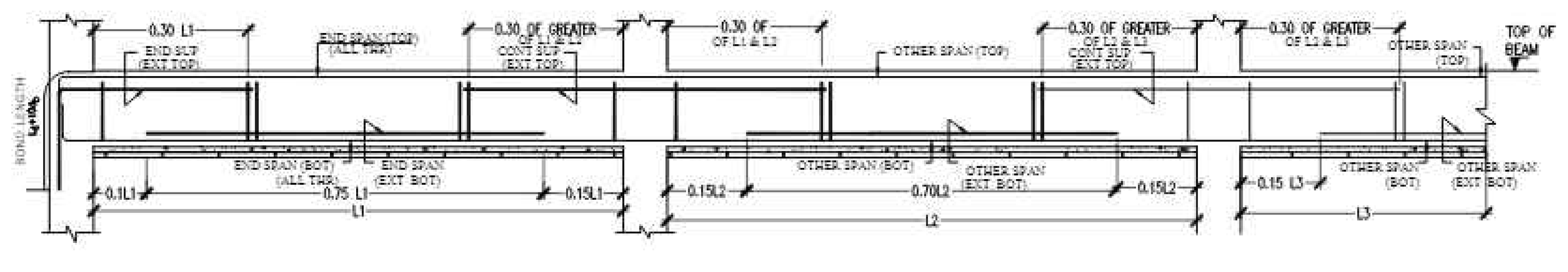


AT SUPPORT AT SPAN



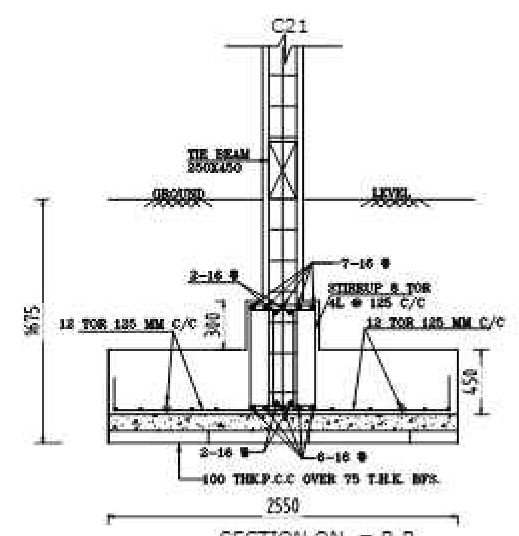
TYPICAL ARRANGEMENT OF REINFORCEMENT IN RAFT FOUNDATION BEAM

(AS PER SP 34-1987)

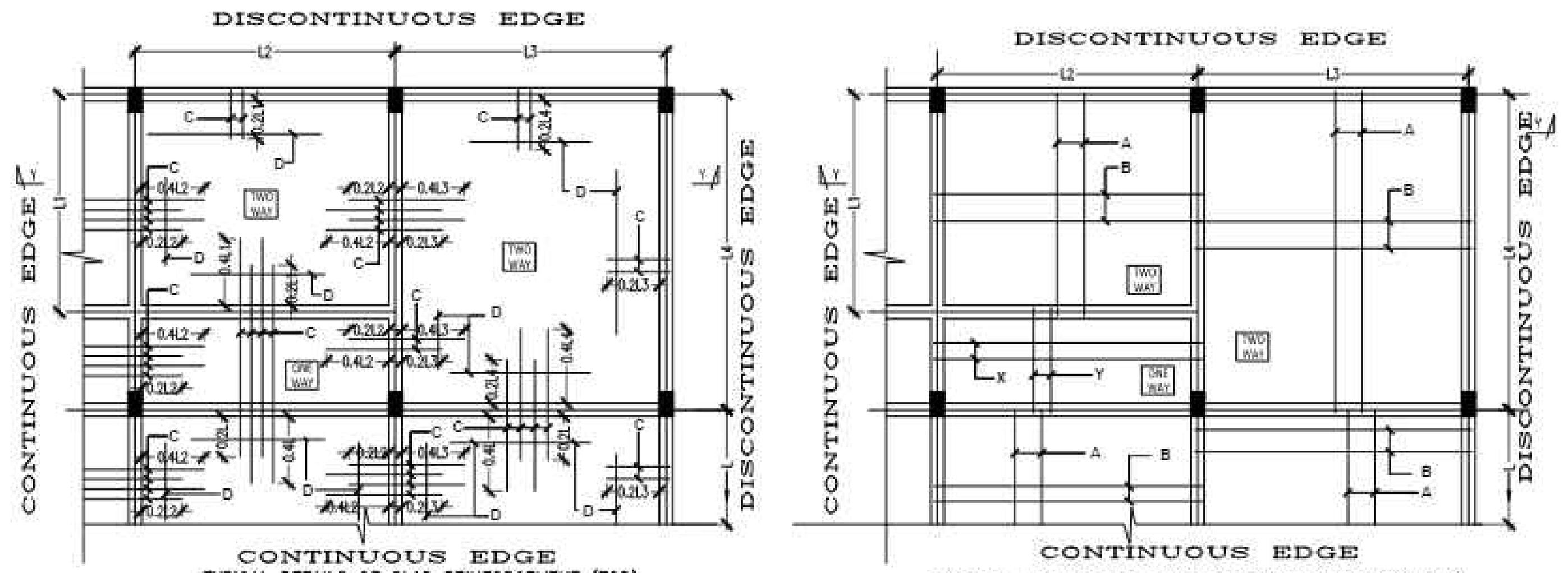


TYPICAL CURTAILMENT DETAILS FOR TIE BEAMS (MULTIPLE SPAN BEAM)

SCALE : N.T.S.



SECTION ON. = B-B



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)

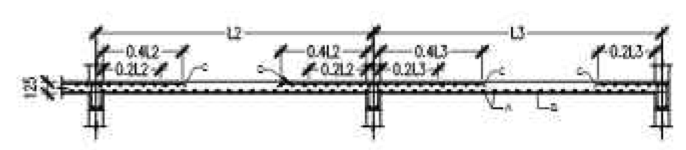
(SLAB MARKED S1&S2)

(SCALE-N.T.S.)

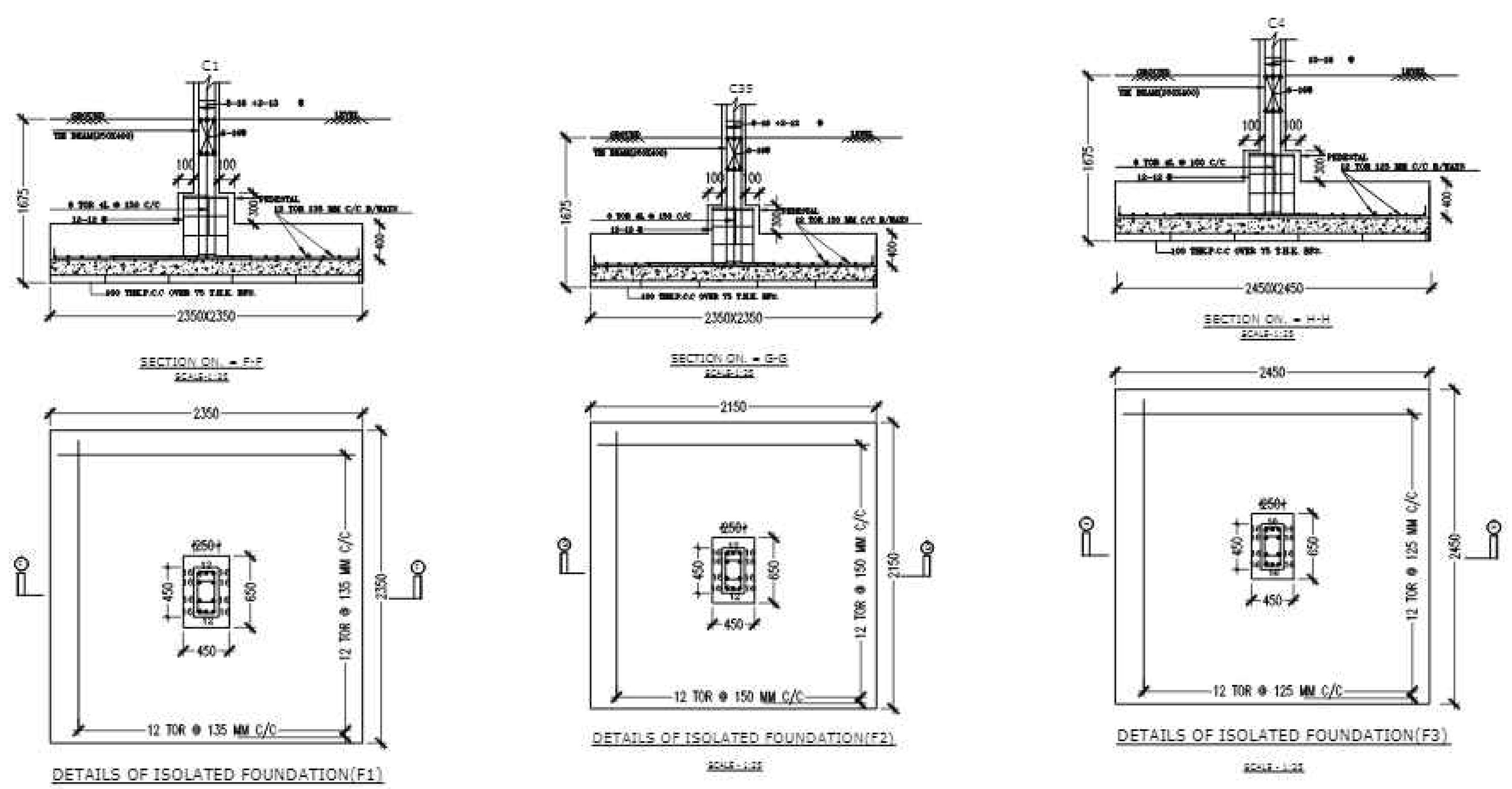
TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)

(SLAB MARKED S1& S2)

(SCALE - N.T.S.)



SECTION-Y-Y



SECTION ON. = P-P

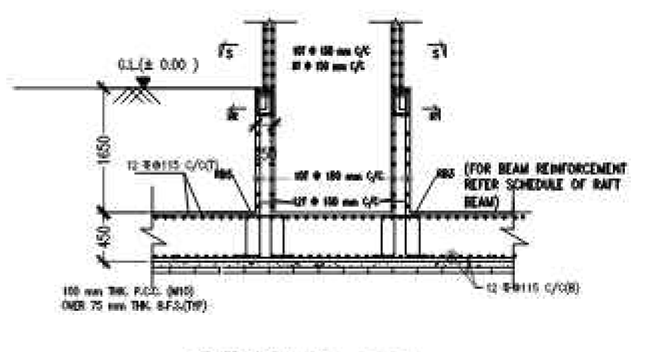
SECTION ON. = Q-Q

SECTION ON. = H-H

DETAILS OF ISOLATED FOUNDATION(F1)

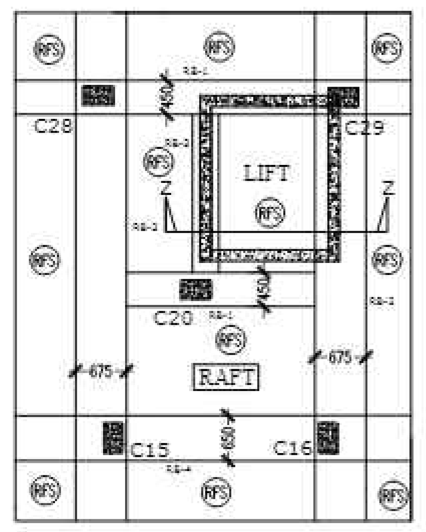
DETAILS OF ISOLATED FOUNDATION(F2)

DETAILS OF ISOLATED FOUNDATION(F3)

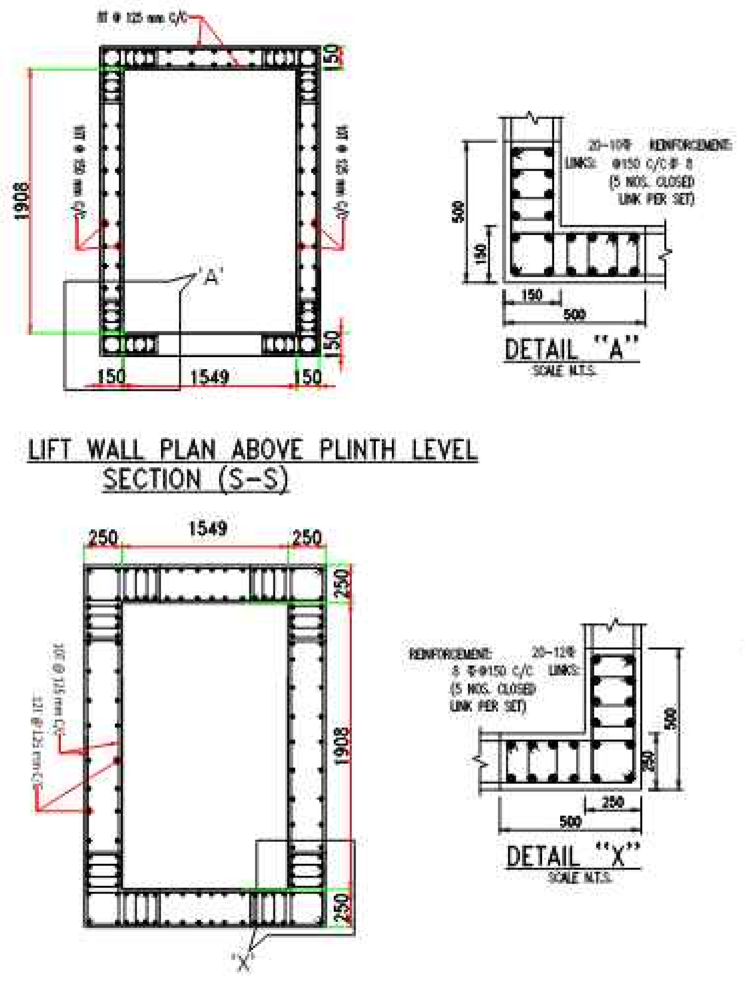


SECTION AT -Z-Z

DETAIL OF RAFT FOUNDATION (RAFT)



RAFT DETAILS UNDER C15-C16-C20-C28-C29 & LIFT



LIFT WALL PLAN ABOVE PLINTH LEVEL

SECTION (S-S)

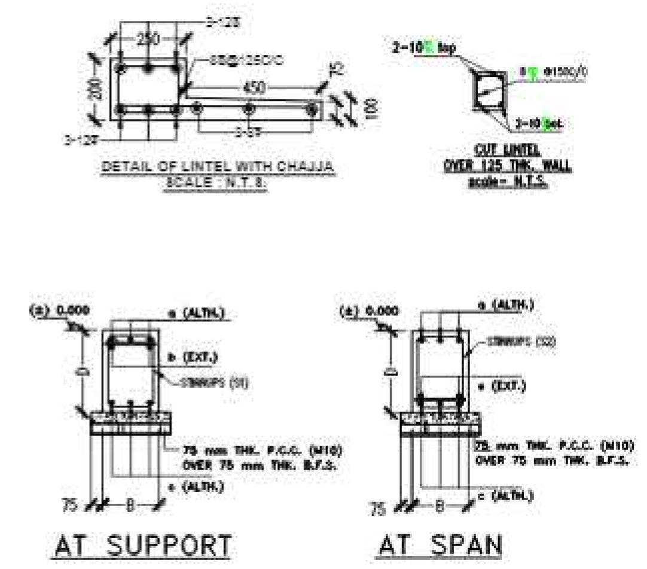
DETAIL "A"

LIFT WALL PLAN AT BASE LEVEL

SECTION (R-R)

SCALE 1:25

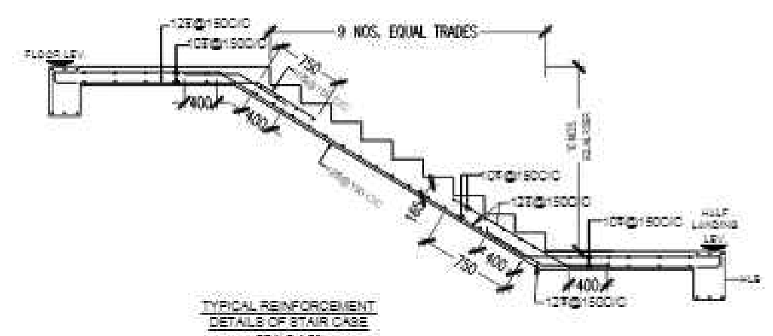
DETAIL "X"



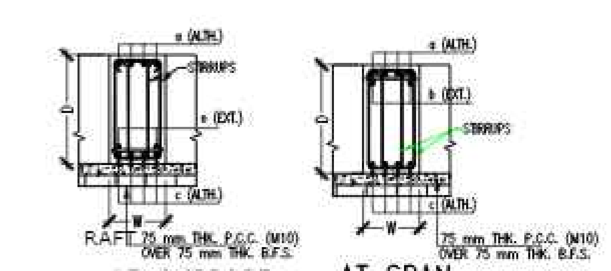
DETAIL OF LINTEL WITH CHAJJA

AT SUPPORT AT SPAN

TYPICAL CROSS SECTION OF TIE BEAM



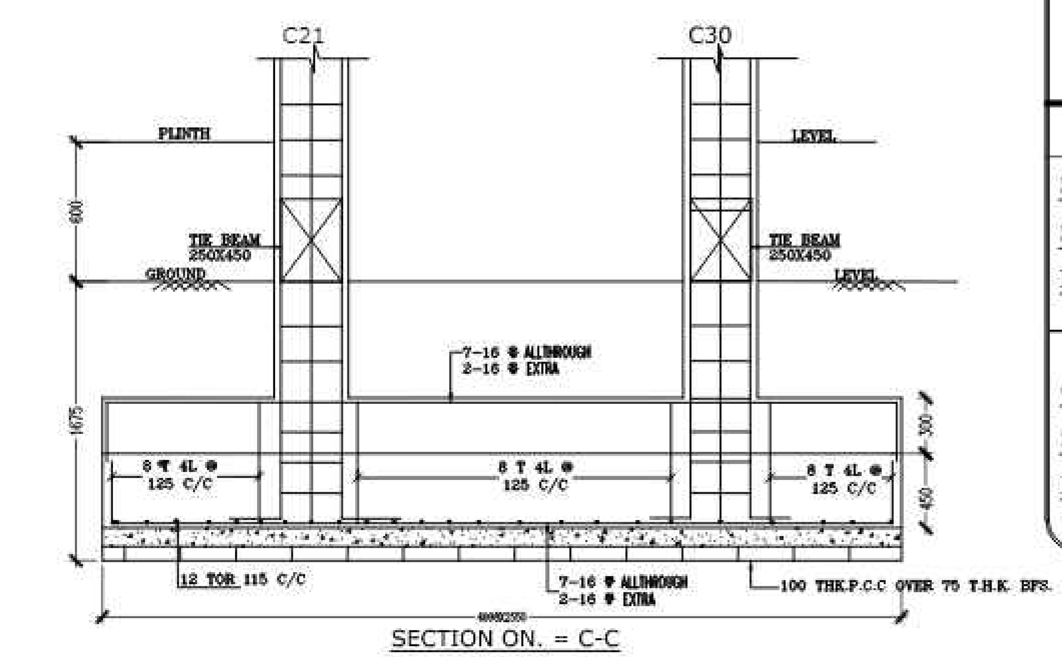
TYPICAL REINFORCEMENT DETAILS OF STAIRCASE



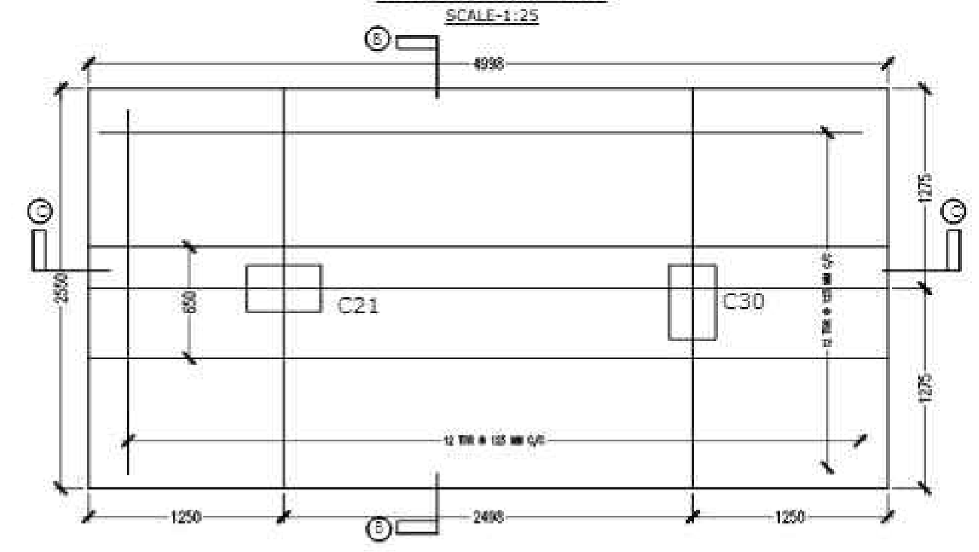
AT SUPPORT AT SPAN

TYPICAL CROSS SECTION OF FOUNDATION BEAM

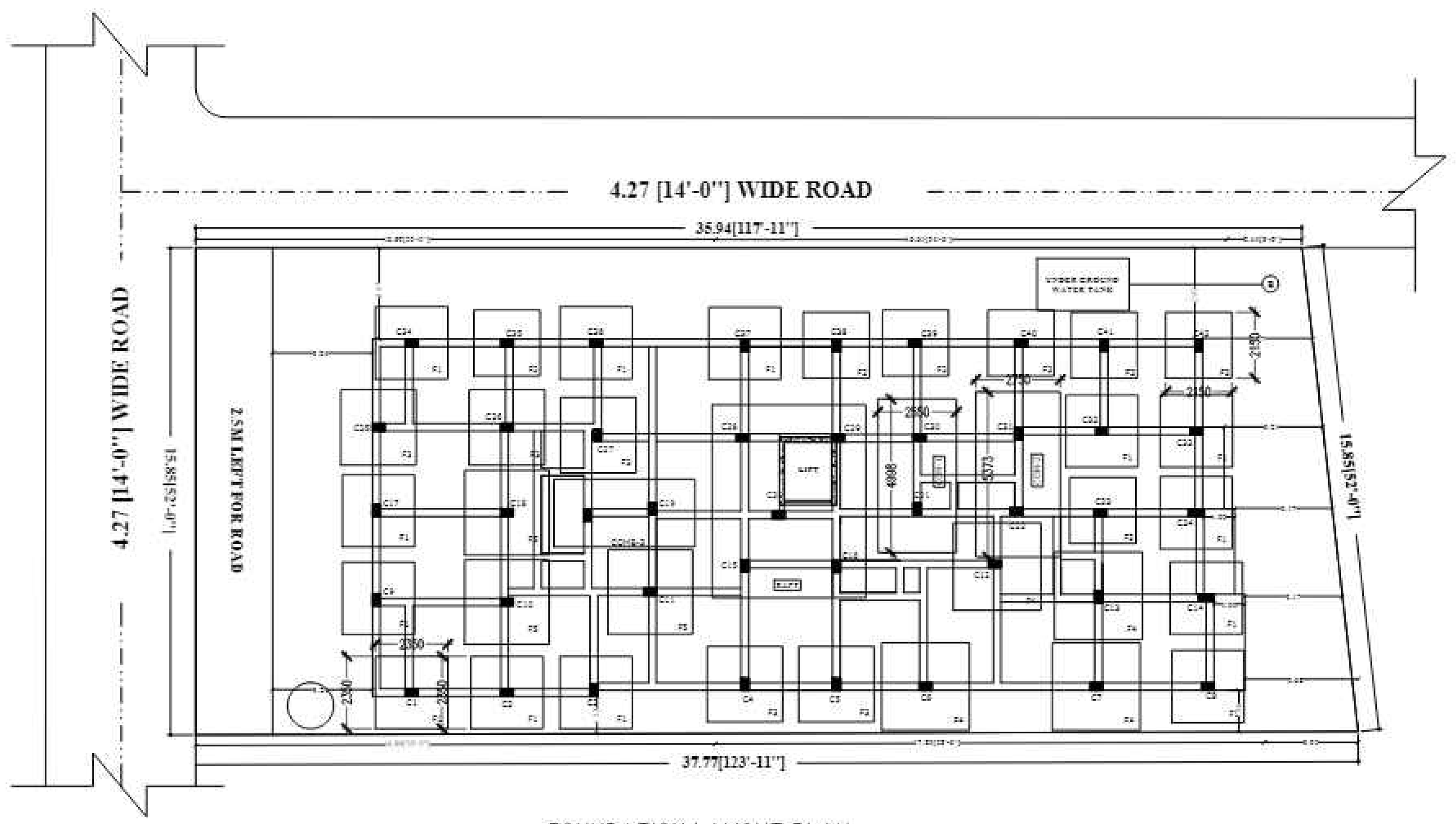
SCALE - N.T.S.



SECTION ON. = C-C

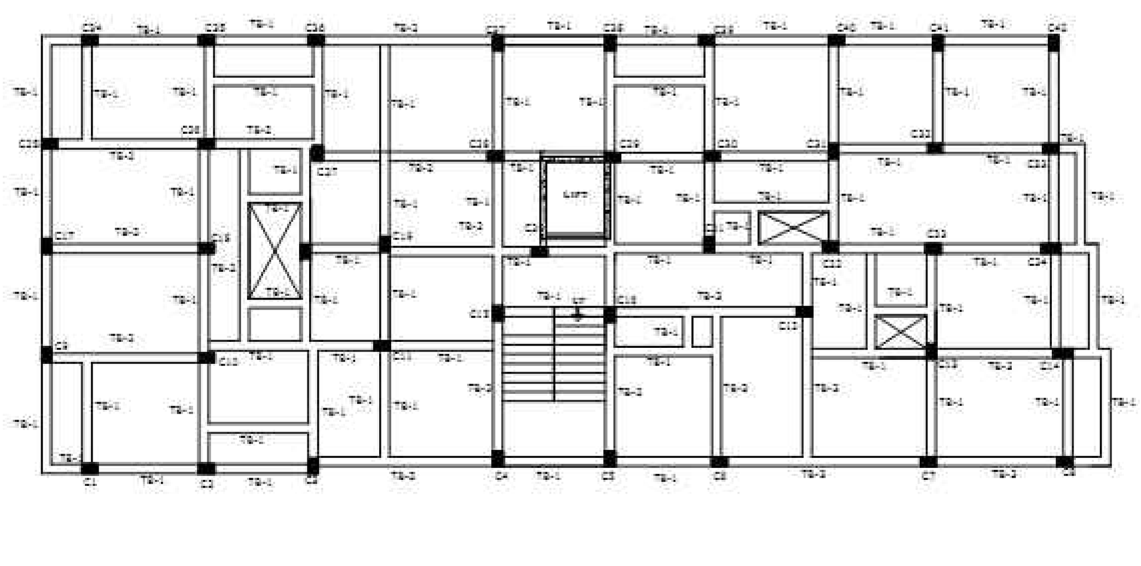


DETAILS OF COMBINED FOUNDATION (COMB-1)



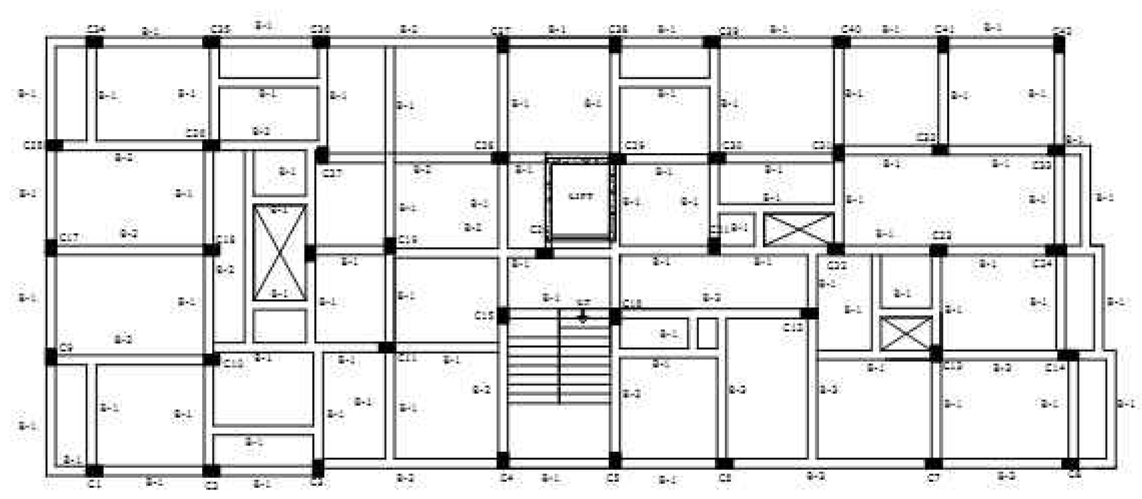
FOUNDATION LAYOUT PLAN

SCALE- 1:100



TIE BEAM PLAN

SCALE- 1:100



TYPICAL FLOOR BEAM PLAN

SCALE- 1:100

PROPOSED G+III STORIED R[illegible]AL APARTMENT OF SRI ASHOKE [illegible]T , S/O :- SANTOSH KR. PALIT , ON L.R. [illegible]98 , 299 , 335 , L.R. K.H. NO :- 95[illegible] :- ADHURYABANDH , J.L. NO :- 227 UNDER BANKURA MUNICIPALITY , P.S. + DIST :- BANKURA.

-: DOOR & WINDOW SCHEDULE :-

-:DOOR OR WINDOW:-	-:MARK:-	-:WIDTH:-	-:HEIGHT:-
DOOR	D	1.05	2.10
DOOR	D1	1.00	2.10
DOOR	D2	0.75	2.10
WINDOW	W	1.50	1.20
WINDOW	W1	0.90	1.20
WINDOW	W2	0.66	0.66

-: AREA STATEMENT :-

* TOTAL AREA OF LAND :-

AS PER DEED :- 468+2881+2938 = 6287.00 SQFT. OR 584.08 SQM.

OR 0.0107+0.066+0.067 = 0.1437 ACRE.

AS PER MUTATION :- 0.1407 ACRE.

* TOTAL AREA OF GROUND FLOOR :-

318.59 SQM. OR 3429.27 SQFT.

* TOTAL AREA OF FIRST FLOOR :-

318.59 SQM. OR 3429.27 SQFT.

* TOTAL AREA OF SECOND FLOOR :-

318.59 SQM. OR 3429.27 SQFT.

* TOTAL AREA OF THIRD FLOOR :-

318.59 SQM. OR 3429.27 SQFT.

* TOTAL BUILT UP AREA :- 1274.36 SQM. OR 13717.08 SQFT.

ORGANISATION DETAILS

NAME :- DREAM DEVELOPER'S

TYPE :- PARTNERSHIP FIRM

SIGNATURE OF PARTNER'S

SIGNATURE OF OWNER'S

PARTICULARS:-

1. ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT INDIAN STANDARD CODES OF PRACTICE.
2. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER.EXCEPT OTHERWISE MENTIONED ONLY WRITTEN SLAB DIMENSIONS SHALL BE FOLLOWED.ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
3. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
5. UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH =50XBAR DIA.
6. CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS: i) FOUNDATION : 40 mm ii) COLUMNS : 40 mm iii) BEAMS : 25 mm iv) SLABS : 15 mm vi) WAIST SLAB :20 mm GRADE OF CONCRETE FOR SUPERSTRUCTURE WILL BE OF M25 AS PER IS:456:2000.
8. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
9. DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
10. WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D IN THE SUPPORTING MEMBER.
11. WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
12. IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT
13. BEARING CAPACITY OF SOIL CONSIDERED AS PER SOIL TEST REPORT GIVEN BY GEOTECHNICAL CONSULTANT.

NOTES:-

ALL DIMENSION ARE IN METER & MM OTHERWISE MENTIONED

2. ALL OUTER WALLS 250 MM THK UNLESS OTHERWISE SPECIFIED . & ALL PARTITIONS WALL 125 MM & 75 MM THK.

-:CONSULTANTS:-

STRUCTURAL ENGINEER I

SUSHANTA SAHA

License registration No :- ESE-70/I

L.B.S.-I

SURAJ KARMAKAR

License registration No :- BM/LBS-I/1/24

MAIL :- suraj8653karmakar@gmail.com

MOB :- 8653527507 , 7908232229

GEO TECHNICAL ENGINEER I

SUSHANTA SAHA

License registration No :- GT/-I-45

-:DESIGN BY:-

PANCHMUKHI BUILDING DESIGN CENTRE