COLUMN SCHEDULE - (TYPE - B)
GRADE OF CONCRETE - M25

2ND FLOOR TO ROOF	6-20ϕ+4-16ϕ	10-16ϕ	10-16ϕ	6-20ϕ+4-16ϕ	6-20ϕ+6-16ϕ	6-20ϕ+6-16ϕ	8-20ϕ+4-16ϕ	6-20ϕ+6-16ϕ	10-16ϕ	8-20ϕ+4-16ϕ
1ST FLOOR TO 2ND FLOOR	10-20ϕ	6-20ϕ+4-16ϕ	6-20ϕ+4-16ϕ	10-20ϕ	12-20ϕ	8-20ϕ+4-16ϕ	12-20ϕ	12-20ϕ	6-20ϕ+4-16ϕ	12-20ϕ
FOUNDATION TO 1ST FL. LVL	10-20ϕ	10-20ϕ	10-20ϕ	10-20ϕ	12-20ϕ	12-20ϕ	12-20ϕ	12-20ϕ	10-20ϕ	12-20ϕ
COL SIZE	300x500	300x500	300x400	300x400	300x500	300x500	300x500	300x500	300x500	300x500
LINK	8ϕ@100C/C & 8ϕ200C/C									
COL MARKED	C1	C2	C3	C4,C5	C6	C7	C8	C9	C10	C11,C12

SCHEDULE OF COLUMN FOOTINGS (TYPE-B)(CONC.GR. M25)

FOOTING MKD.	SIZE	THICKNESS D	THICKNESS d	PEDESTAL/FOUND. BEAM	REINFORCEMENT AT SHORTER DIRECTION (B)	REINFORCEMENT AT LONGER DIRECTION (L)
F1	1500x1500	500	150	–	12TOR@150C/C	12TOR@150C/C
F2	1750x1750	500	150	–	12TOR@150C/C	12TOR@150C/C
F3	2000x2000	600	200	–	12TOR@125C/C	12TOR@125C/C
F4	2250x2250	600	200	–	12TOR@125C/C	12TOR@125C/C
F5	2400x2400	750	250	–	12TOR@100C/C	12TOR@100C/C
F6	2700x1875	750	250	–	12TOR@125C/C	12TOR@75C/C
F7	3000x1750	500	150	FB(750X600)	12TOR@125C/C	10TOR@150C/C

NOTES

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK.
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. **ALL GRADE OF CONCRETE AS PER SCHEDULE**
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. **FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.**
8. ALL DISTRIBUTION BARS ARE 8ϕ @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE 10ϕ AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25ϕ @ 300 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. PILE	50	50	50
b. COLUMN			40
c. FLOOR BEAM.	30	30	30
d. FLOOR SLAB.	20	20	20

14. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.

SIGNATURE OF PANCHAYET PRODHAN.

For Sree Balaji
Proprietor
SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

SANJIV J. PAREKH
M.E.(STRUCTS.),M.E.(CONST.ENG.).
B. C. E., FIE-(C-018202-4)
E. S. E. NO. 104 (I) K. M. C.
SIGN OF ST. ENGG.

CERTIFICATE OF ARCHITECT

I DO HEREBY DECLARE THAT / THE KEY PLAN , SITE PLAN AND THE BUILDING PLAN HAVE BEEN PREPARED UNDER MY SUPERVISION AND I SHALL BE RESPONSIBLE FOR THE SUPERVISION OF THE BUILDING IN ACCORDANCE WITH THE PROVISIONS OF THE WEST BENGAL MUNICIPAL (BLDG.) RULES, 2007.

ANUPAM MAITI
C.O.A. Registered Architect
CA/2010/48538
anupam.mozaik@yahoo.co.in
SIGNATURE OF ARCHITECT

NO.	DATE	DEALT	DESCRIPTION	CHECKED

REVISIONS

PROJECT:-***PROPOSED IV STORIED RESIDENTIAL PROJECTS AT MOUZA-DAKSHIN DHUPIHORA, L.R. PLOT NO.-537, 539, 540(P), 541(P), 542(P), 543(P), 544(P) & 545(P).***
J.L NO - 28 , L.R. KHATIAN NO - 1203.

DISTRICT - JALPAIGURI, POLICE STATION-MATIALI, POST OFFICE- BATABARI, PIN - 735206.

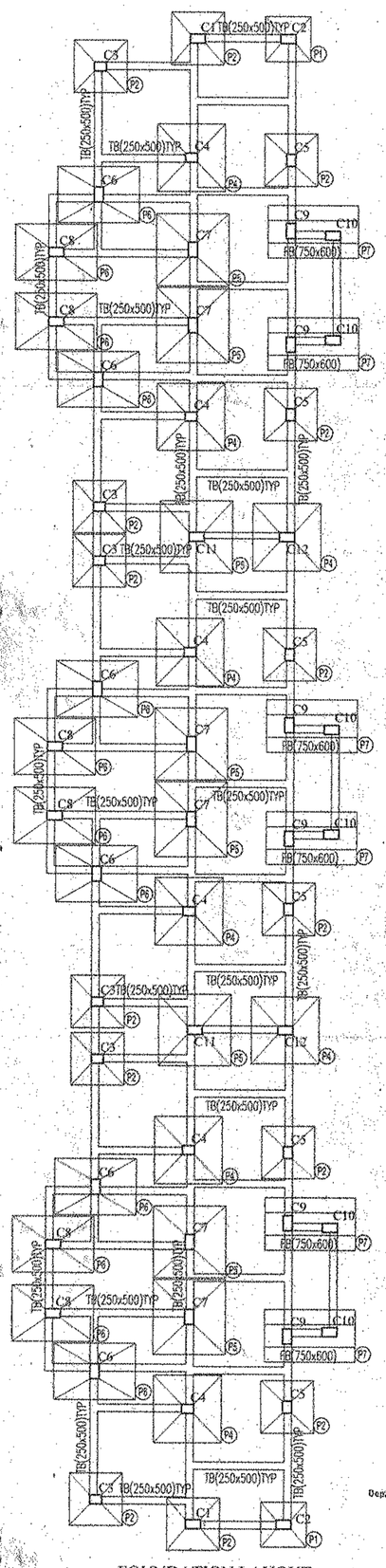
TITLE
STRUCTURAL LAYOUT AND SCHEDULE
(TYPE-B)

ARCHITECTS:-
MOZAIK
P-521, RAJA BASANTA ROY RD.
KOLKATA-29
PH. NO.- 033-40670094/9831180114

STRUCTURAL ENGINEERS
S.P.A.CONSULTANTS
34, RAM MOHAN DUTTA ROAD.
KOLKATA - 700020
PH. NO 2465-5448/5449,2475-7014(TELE FAX)
E-mail spa_cons@yahoo.co.in

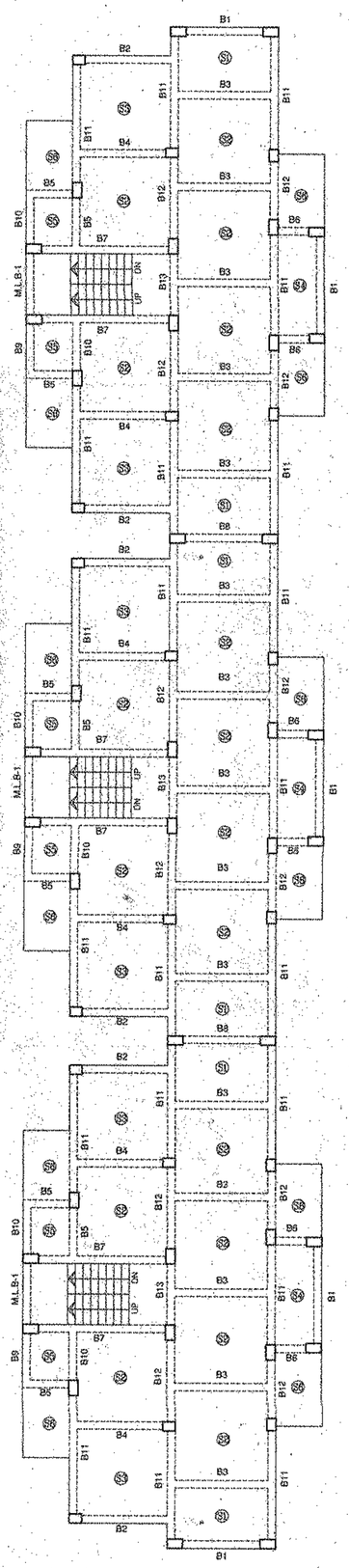
DRAWN BY	CHECKED BY	DATE	SCALE
DEBASIS	S.P	05-12-18	1:100,25

JOB NO.	2018	169	MOZAIK	SPA	34	DOOMRS
DRG. NO.	2018/169/MOZAIK/S.P.A/34/DOOMRS/CS-01					R-0



FOUNDATION LAYOUT
TYPE - B

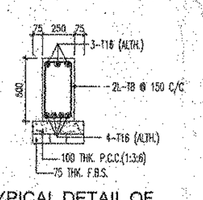
Vetted
Manoj Kr. Sahis
Assistant Professor
Department of Construction Engineering
Jadavpur University



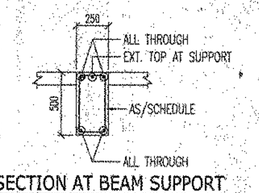
TYPICAL FLOOR LAYOUT

SLAB SCHEDULE
GRADE OF CONCRETE - M25

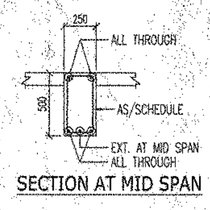
SLAB MKD	DEPTH	TOP REINFORCEMENT ALONG SHORT SPAN	TOP REINFORCEMENT ALONG LONG SPAN	BOTTOM REINFORCEMENT ALONG SHORT SPAN	BOTTOM REINFORCEMENT ALONG LONG SPAN
S1	125	T8@150C/C	T8@175C/C	T8@150C/C	T8@175C/C
S2	125	T8@150C/C	T8@150C/C	T8@150C/C	T8@150C/C
S3	125	T8@125C/C	T8@150C/C	T8@125C/C	T8@150C/C
S4	125	T8@150C/C	T8@200C/C	T8@150C/C	T8@200C/C
S5	125	T8@200C/C	T8@200C/C	T8@200C/C	T8@200C/C
S6	150	T10@150C/C	T10@150C/C	T10@150C/C	T10@150C/C



TYPICAL DETAIL OF TB - (250X500)



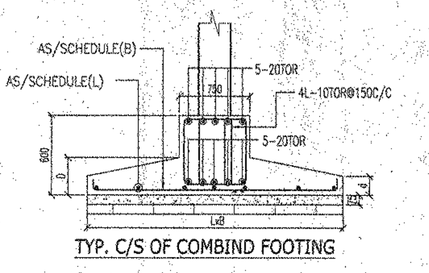
SECTION AT BEAM SUPPORT



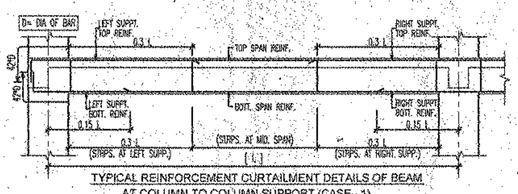
SECTION AT MID SPAN

BEAM SCHEDULE
GRADE OF CONCRETE M-25

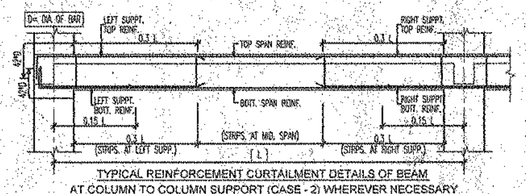
BEAM MKD.	SIZE WIDTH	SIZE DEPTH	TOP REINFORCEMENT LEFT	TOP REINFORCEMENT MID-SPAN	TOP REINFORCEMENT RIGHT	BOTTOM REINFORCEMENT LEFT	BOTTOM REINFORCEMENT MID-SPAN	BOTTOM REINFORCEMENT RIGHT	STIRRUPS LEFT SUPPT.	STIRRUPS MID-SPAN	STIRRUPS RIGHT SUPPT.
B1	250	500	3-T16	2-T16	3-T16	2-T16	3-T16	2-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
B2	250	500	3-T16	2-T16	2-T16	3-T16	2-T16	2-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@150C/C
B3	250	500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@200C/C	2L-T8@200C/C	2L-T8@200C/C
B4	250	500	2-T16	2-T16	3-T16	2-T16	2-T16	3-T16	2L-T8@150C/C	2L-T8@150C/C	2L-T8@100C/C
B5	250	500	3-T16	3-T16	3-T16	2-T16	2-T16	2-T16	2L-T8@100C/C	2L-T8@100C/C	2L-T8@100C/C
B6	250	500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@150C/C	2L-T8@150C/C	2L-T8@150C/C
B7	250	500	3-T16+ 2-T12	2-T16	3-T16+ 2-T12	2-T16	3-T16+ 2-T12	2-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
B8	250	500	3-T16+ 2-T12	2-T16	3-T16+ 2-T12	3-T16	3-T16	3-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
B9	250	500	2-T16	2-T16	2-T16+ 2-T12	2-T16	2-T16	2-T16	2L-T8@150C/C	2L-T8@150C/C	2L-T8@150C/C
B10	250	500	2-T16+ 2-T12	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@150C/C	2L-T8@150C/C	2L-T8@150C/C
B11	250	500	3-T16+ 3-T16	3-T16	3-T16+ 3-T16	3-T16	3-T16+ 3-T16	3-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
B12	250	500	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
B13	250	500	3-T16+ 2-T12	2-T16	3-T16+ 2-T12	2-T16	3-T16	2-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C
M.L.B	250	400	3-T16	2-T16	3-T16	2-T16	3-T16	2-T16	2L-T8@100C/C	2L-T8@150C/C	2L-T8@100C/C



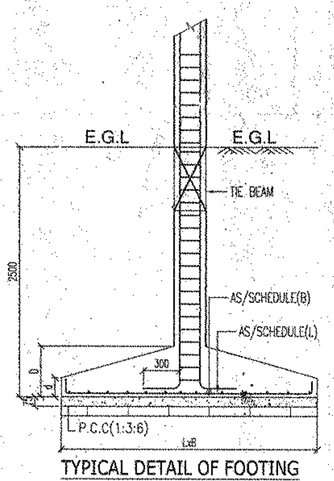
TYP. C/S OF COMBIND FOOTING



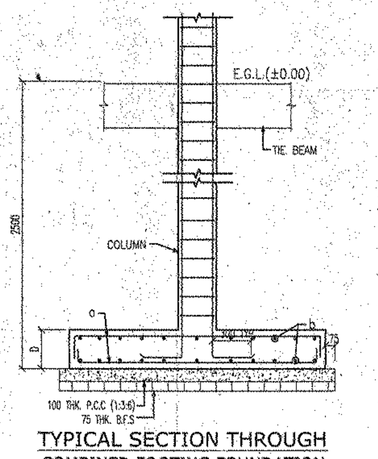
TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF BEAM AT COLUMN TO COLUMN SUPPORT (CASE - 1)



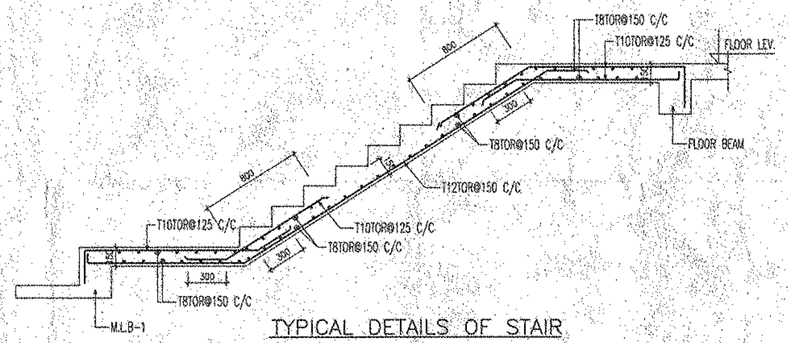
TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF BEAM AT COLUMN TO COLUMN SUPPORT (CASE - 2) WHEREVER NECESSARY.



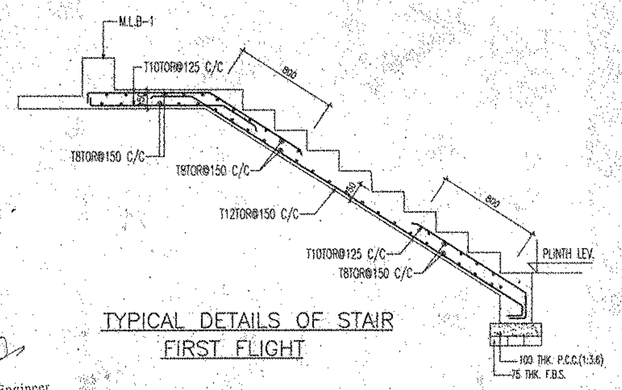
TYPICAL DETAIL OF FOOTING



TYPICAL SECTION THROUGH COMBINED FOOTING FOUNDATION



TYPICAL DETAILS OF STAIR



TYPICAL DETAILS OF STAIR FIRST FLIGHT

Pradhan
Matiali Batabari II G.P.

Assistant Engineer (R.D.)
Jalpaiguri Zilla Parishad
Jalpaiguri

District Engineer
Jalpaiguri Zilla Parishad