

**PROJECT-**  
**PROPOSED G+ IV STORIED (HT-15.475 M)**  
**RESIDENTIAL BUILDING AT PREMISES NO.**  
**P-493 HEMANTA MUKHOPADHYA SARANI.**  
**KOLKATA-700 028, WARD NO-86, BR. NO-VIII,**  
**P.S.-RABINDRA SARABAR.**

- NOTES.**
1. ALL DIMENSIONS ARE IN mm. U.N.O.
  2. GRADE OF CONCRETE SHALL BE M25.
  3. GRADE OF REINFORCEMENT SHALL BE Fe50.
  4. CLEAR COVER TO REINFORCEMENT SHALL BE
    - a) FOR FOUNDATION / FOUNDATION BEAM = 50mm.
    - b) FOR THE BEAM / COLUMN = 40mm.
    - c) FOR BEAMS = 25mm.
    - d) FOR SLAB / LIFT WALL = 20mm.
  5. MIX OF P.C.C. SHALL BE 1:3:6
  6. LAP/BOND LENGTH SHALL BE 50D WHERE D IS THE DIAMETER OF BAR.

**CERTIFICATE OF STRUCTURAL ENGINEER:**

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER PERMITS OF K.M.C. AND I CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECTS. SOIL TESTING HAS BEEN DONE BY GEOTECH ENGINEERS PVT. LTD. (SA. MAHAJI PARK, KOLKATA - 700 084). THE RECOMMENDATIONS OF SOIL TEST REPORT WILL BE CONSIDERED DURING STRUCTURAL CALCULATION.

**ALOK ROY**  
 Empowered Geotechnical Engineer  
 Kolkata Municipal Corporation  
 Class-I No. G/1/1/11  
 BA, Milan Park,  
 Rabindra-700 084  
**ALOK ROY (G.T.E-I/1)**  
 SIG. OF GEO-TECHNICAL ENGINEER

**K. Sengupta**  
 Koushik Sengupta  
 B.E. (CIVIL) (M.E. STRUCTURE)  
 E.S.E.-1/76 (K.M.C.)  
**KOUSHIK SENGUPTA (E.S.E. 1/76)**  
 SIG. OF STRUCTURAL ENGINEER

**DECLARATION OF ARCHITECT**

I CERTIFY THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES-2000. AS MENTIONED FROM TIME TO TIME, THE SITE CONDITION INCLUDING THE ADJACENT ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THERE IS AN EXISTING STRUCTURE TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK, AND IT IS OCCUPIED BY THE OWNER.

**Anjan Ukil**  
 Architect  
 C.O.A. Regn No. CA9416721  
 L.B.A. A-271

**ANJAN UKIL (CA9416721)**  
 SIGNATURE OF ARCHITECT.

**DECLARATION OF OWNER**

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL OBTAIN L.B.A & E.S.E. DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF L.B.A & E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJACENT STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C. AUTHORITY WILL REMOVE THE STRUCTURE PLAN THE CONSTRUCTION OF U.G. RESPONOR WILL BE TAKEN UNDER THE GUIDANCE OF L.B.A / E.S.E BEFORE STARTING OF BUILDING FOUNDATION.

For Abhaya Bhattacharjee, Anju Bhattacharjee, Mayuri Bhattacharjee, Avuuti Bhattacharjee  
 (As Co-Deputed Agents)

**SATWIC VIVEK RUIA**  
 AS CONSTITUTED ATTORNEY FOR ABHAYA BHATTACHARJEE, MAYURI BHATTACHARJEE, ANJU BHATTACHARJEE, AVUUTI BHATTACHARJEE.  
 SIGNATURE OF OWNER

ARCHITECT

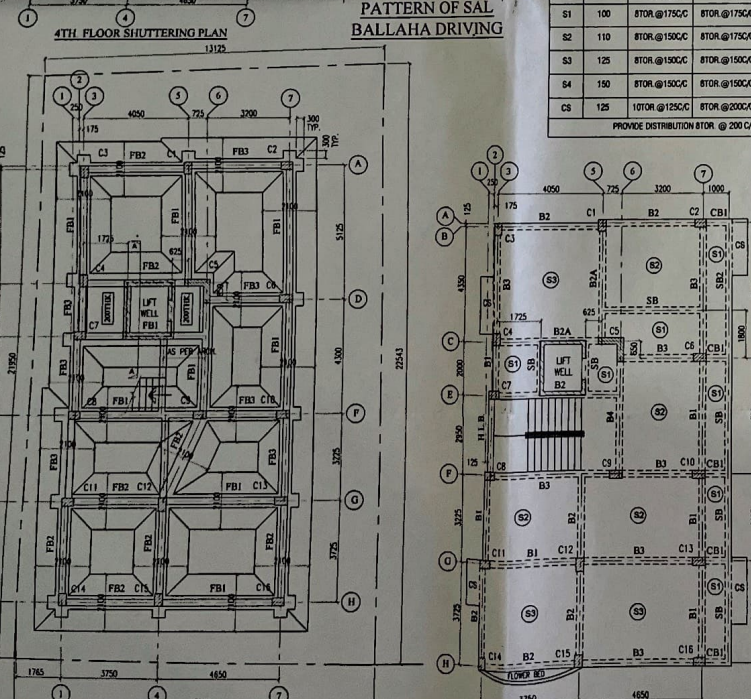
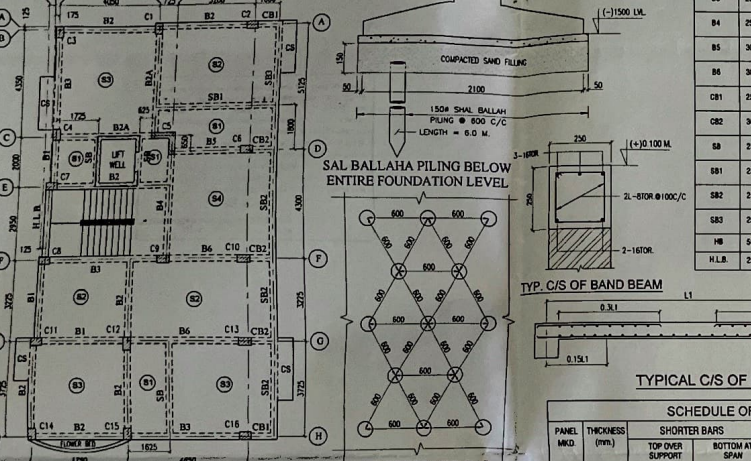
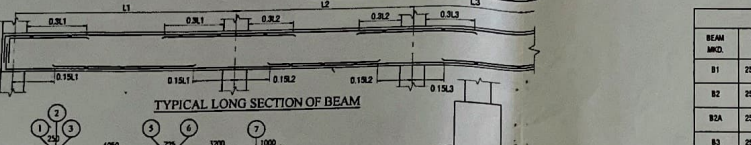
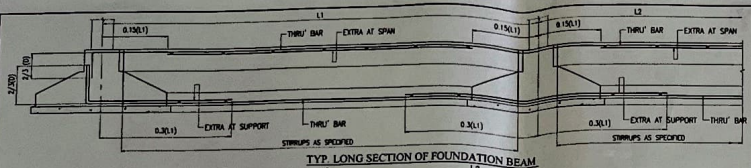
**Anjan Ukil**  
**architect**

STRUCTURAL DRAWING

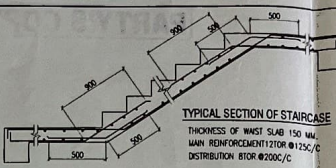
SCALE - 1:100, 25

KOUSHIK SENGUPTA  
 51/2 MAHAJATI NAGAR, BIRATI,  
 KOLKATA-700051

date-15-03-22  
 sheet - 1



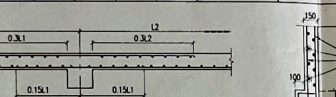
**FOUNDATION LAYOUT PLAN**  
 ALL BAND BEAM (250 X 250)  
 THE STRUCTURE HAS BEEN DESIGNED FOR (G+5) STORIED RESIDENTIAL BUILDING.



**TYPICAL SECTION OF STAIRCASE**  
 THICKNESS OF WAST SLAB 150 MM  
 MAIN REINFORCEMENT 12TOR @125C/C  
 DISTRIBUTION 8TOR @200C/C

**SCHEDULE OF BEAMS**

BEAM MKD.	SIZE	AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250 X 400	3-18TOR	2-18TOR	2-18TOR	2-18TOR	2L-8TOR @125C/C	2L-8TOR @175C/C
B2	250 X 400	3-18TOR + 2-12TOR	3-18TOR	2-18TOR + 1-18TOR	2-18TOR	2L-8TOR @125C/C	2L-8TOR @175C/C
B2A	250 X 400	3-18TOR + 3-2TOR	3-18TOR	3-18TOR	3-18TOR	2L-8TOR @100C/C	2L-8TOR @150C/C
B3	250 X 400	3-18TOR + 2-18TOR	3-18TOR	3-18TOR	3-18TOR	2L-8TOR @125C/C	2L-8TOR @175C/C
B4	250 X 600	3-18TOR + 3-2TOR	3-18TOR	3-18TOR + 3-2TOR	3-18TOR	2L-8TOR @100C/C	2L-8TOR @150C/C
B5	300 X 600	3-2TOR + 3-2TOR	3-2TOR	3-2TOR	3-2TOR	2L-8TOR @100C/C	2L-8TOR @150C/C
B6	300 X 800	2-18TOR + 2-2TOR + 1-18TOR	2-18TOR + 1-18TOR	2-18TOR + 2-2TOR + 1-18TOR	2-18TOR	2L-8TOR @100C/C	2L-8TOR @150C/C
CB1	250 X 400	3-18TOR + 3-18TOR	3-18TOR + 3-18TOR	3-18TOR	3-18TOR	2L-10TOR @100C/C	2L-10TOR @100C/C
CB2	300 X 800	3-2TOR + 2-2TOR + 1-18TOR	3-2TOR + 2-2TOR + 1-18TOR	3-2TOR + 2-2TOR + 1-18TOR	3-2TOR + 2-2TOR + 1-18TOR	2L-10TOR @100C/C	2L-10TOR @100C/C
SB1	250 X 400	2-18TOR	2-18TOR	2-18TOR	2-18TOR	2L-8TOR @125C/C	2L-8TOR @125C/C
SB2	250 X 400	3-18TOR	3-18TOR	3-18TOR	3-18TOR	2L-8TOR @125C/C	2L-8TOR @125C/C
SB3	250 X 400	3-18TOR + 2-18TOR	3-18TOR	3-18TOR	3-18TOR	2L-8TOR @125C/C	2L-8TOR @125C/C
HB	500 X 150	7-12TOR	7-12TOR	7-12TOR	7-12TOR	4L-8TOR @150C/C	4L-8TOR @150C/C
H.L.B.	250 X 400	3-18TOR	3-18TOR	3-18TOR	3-18TOR	2L-8TOR @125C/C	2L-8TOR @175C/C



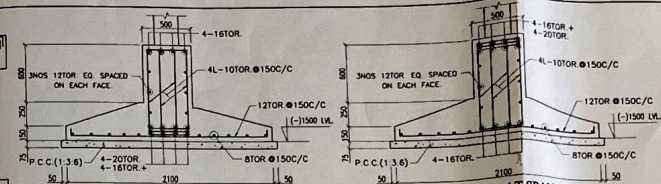
**TYPICAL C/S OF SLAB**

**SCHEDULE OF SLABS**

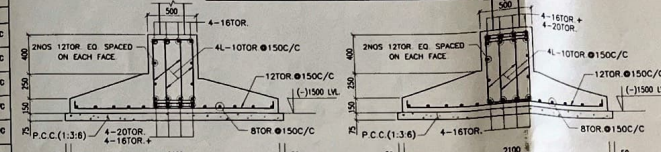
PANEL MKD.	THICKNESS (MM)	SHORTER BARS				LONGER BARS			
		TOP OVER SUPPORT	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM AT SPAN
S1	100	8TOR @175C/C	8TOR @175C/C	8TOR @175C/C	8TOR @200C/C	8TOR @175C/C	8TOR @175C/C	8TOR @175C/C	8TOR @175C/C
S2	110	8TOR @150C/C	8TOR @175C/C	8TOR @175C/C	8TOR @175C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C
S3	125	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C	8TOR @175C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C
S4	150	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C	8TOR @175C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C	8TOR @150C/C
CS	125	10TOR @125C/C	8TOR @200C/C	-	-	10TOR @125C/C	8TOR @200C/C	-	-

PROVIDE DISTRIBUTION 8TOR @ 200 C/C WHERE NECESSARY

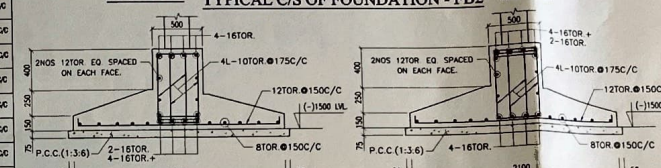
PROVIDE DISTRIBUTION 8TOR @ 200 C/C WHERE NECESSARY



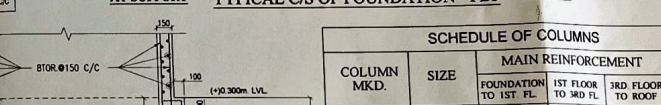
**TYPICAL C/S OF FOUNDATION - FB1 AT SPAN**



**TYPICAL C/S OF FOUNDATION - FB2 AT SPAN**



**TYPICAL C/S OF FOUNDATION - FB3 AT SPAN**

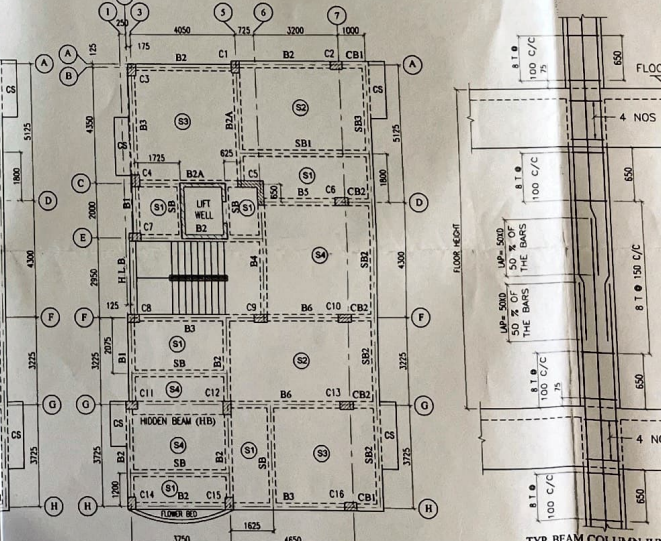


**SECTION A-A**

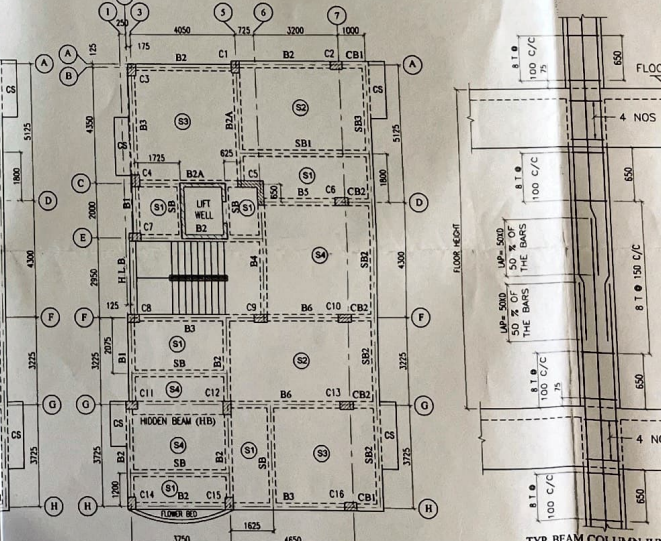
**SCHEDULE OF COLUMNS**

COLUMN MKD.	SIZE	MAIN REINFORCEMENT			
		FOUNDATION TO 1ST FL.	1ST FLOOR TO 3RD FL.	3RD FLOOR TO ROOF	ROOF
C3,C11,C14	300 X 450	4-18T + 8-12T	4-18T + 8-12T	10-12T	10-12T
C1,C2,C4,C8,C15,C18	300 X 450	6-18T + 4-12T	4-18T + 8-12T	4-18T + 8-12T	4-18T + 8-12T
C7	300 X 450	6-18T + 4-12T	6-18T + 4-12T	6-18T + 4-12T	6-18T + 4-12T
C12	300 X 500	10-16T	6-18T + 4-12T	6-18T + 4-12T	4-18T + 4-12T
C10,C13	300 X 500	4-20T + 6-18T	10-16T	10-16T	6-18T + 4-12T
C9	300 X 500	4-20T + 6-18T	4-20T + 6-18T	4-20T + 6-18T	4-20T + 6-18T
C6	300 X 500	10-20T	6-20T + 4-12T	4-20T + 4-12T	4-20T + 4-12T
C5	250 X 875 / 900	12-18T + 8-12T	12-18T + 8-12T	12-18T + 8-12T	12-18T + 8-12T

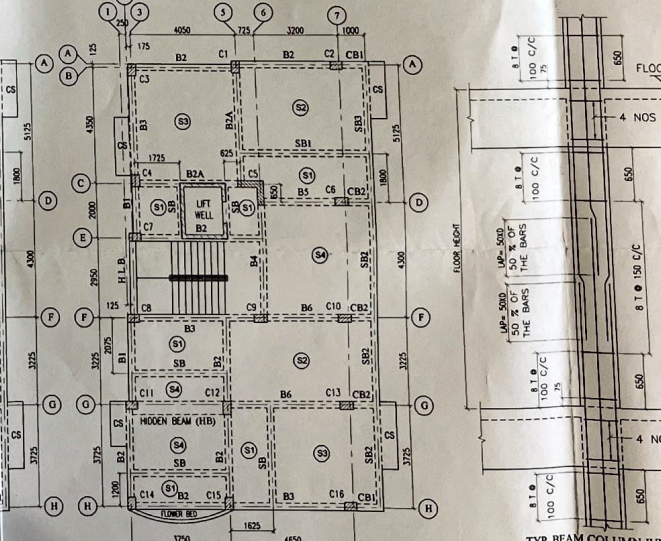
75 THK. P.C.C.(1:3:6)



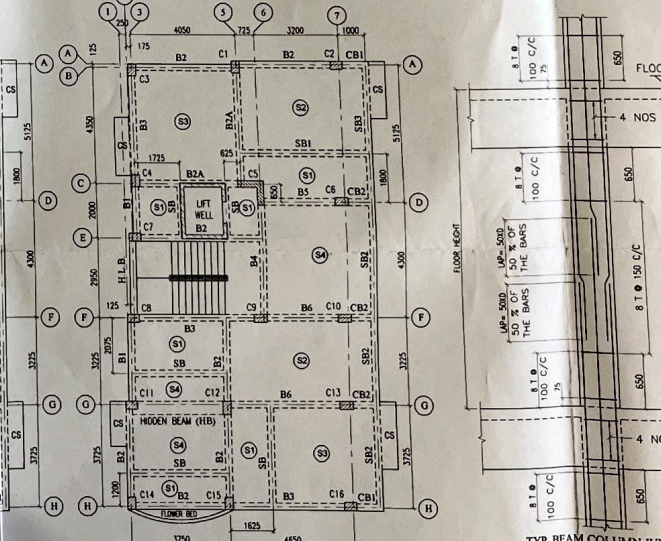
**1ST FLOOR SHUTTERING PLAN**



**2ND FLOOR SHUTTERING PLAN**



**3RD FLOOR SHUTTERING PLAN**



**TYP. BEAM COLUMN JUNCTION & COLUMN SECTION SHOWING LINK ARRANGEMENT**

**PARTY'S COPY**

9105

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 262/08/2003. Date 24/12/08. Name of the Kolkata Municipal Corporation without verification. No deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with strength calculation and stability certificate on the prescribed form. Necessary steps should be taken for the safety of human life, public and private properties and safety of human life during construction.

*[Signature]*  
EXECUTIVE ENGINEER/ASST. ENGINEER,  
BROUOH NO. 24/1

