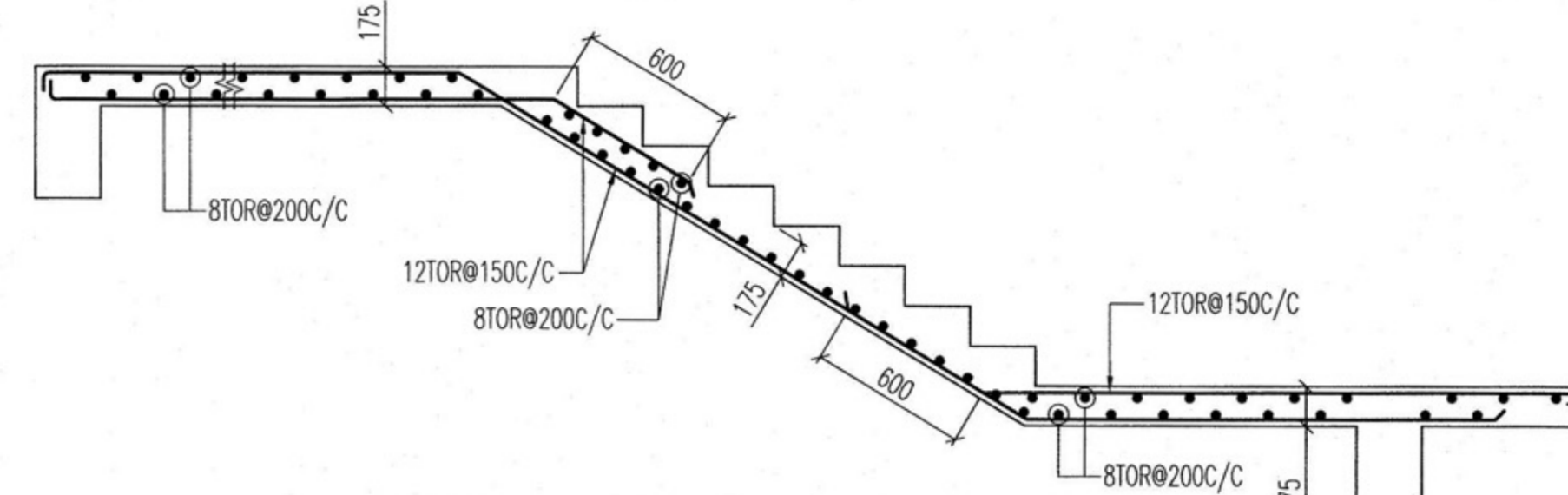


BEAM SCHEDULE								
GRADE OF CONCRETE - M25								
BEAM MKD	BEAM SIZE		REINFT. AT SUPPORT		REINFT. AT MID SPAN		STIRRUPS AT SUPPORT(0.3L)	STIRRUPS AT SPAN
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM		
B1	250	500	6-20	3-20	2-20	3-20+2-16	8#100/C	8#125/C
B2	250	500	4-16	2-16	2-16	2-16+1-12	8#100/C	8#200/C
B3	250	500	4-16+1-12	3-16	2-16	3-16	8#100/C	8#150/C
B4	250	500	3-12	3-12	3-12	3-12	8#200/C	8#200/C
B5	250	500	2-12	2-16+1-12	2-12	2-16+1-12	8#200/C	8#200/C
B6	250	500	3-16	3-16	3-16	3-16	8#100/C	8#200/C
B7	200	500	3-12	3-12	3-12	3-12	8#200/C	8#200/C
B8	250	500	2-12	4-16	2-12	4-16	8#200/C	8#200/C
B9	200	500	5-20	2-20	2-20	2-20	10#100/C	10#100/C
B10	250	500	3-16+2-20	3-16	2-16	2-16+3-12	8#100/C	8#150/C
B11	250	500	4-16	2-16	2-16	3-16	8#100/C	8#100/C
B11A	200	500	4-16	2-16	2-16	2-16	8#100/C	8#100/C
B12	250	500	4-16+2-12	2-16+1-12	2-16	2-16+1-12	8#100/C	8#150/C
B13	250	500	6-16	3-16	2-16	3-16+2-12	8#100/C	8#150/C
B14	250	500	6-20	3-20	2-20	3-20+3-16	8#100/C	8#150/C
B15	500	500	4-25+4-20	4-25	4-25	4-25	4L-8#100/C	4L-8#150/C
B16	500	500	4-25+4-20	4-25	4-25	4-25	4L-8#100/C	4L-8#150/C
B17	500	500	4-25	4-25	4-25	4-25	4L-10#150/C	4L-10#150/C
B18	500	500	4-25	4-25	4-25	4-25	4L-8#100/C	4L-8#150/C
B19	250	500	3-25	3-25	3-25	5-25	10#150/C	10#150/C
B20	200	500	2-12	4-16	2-12	4-16	8#150/C	8#150/C
B21	150	500	2-16	2-16	2-16	2-16	8#150/C	8#150/C
B22	250	500	4-16+2-12	3-16	2-16	3-16	8#150/C	8#150/C
B23	200	500	5-20	3-20	2-20	3-20	8#100/C	8#100/C
B24	200	500	4-16	3-16	2-16	3-16	8#100/C	8#150/C
B25	500	500	8-25	5-20+4-25	4-25	5-20+4-25	6L-8#100/C	6L-8#150/C
B26	500	500	8-25	4-25	4-25	4-25	4L-10#150/C	4L-10#150/C
B27	500	500	8-25	4-25	4-25	4-25	4L-10#150/C	4L-10#150/C
B28	250	500	6-20	3-20	3-20	3-20+3-25	10#100/C	10#125/C
MB1	250	500	3-16+2-12	3-16	2-16	3-16	8#100/C	8#150/C
MB2	250	500	3-16+2-12	3-16	2-16	3-16	8#100/C	8#150/C

SLAB SCHEDULE				
GRADE OF CONCRETE - M25				
SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN	
S1	125	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.	
S2	150	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.	
S3	125	8# @225/C (TOP) 8# @225/C (BOTTOM)	8# @225/C (TOP) 8# @225/C (BOTTOM)	
S4	125	8# @200/C (TOP) 8# @200/C (BOTTOM)	8# @400/C ST. 8# @400/C CKD.	
S5	125	8# @250/C ST. 8# @300/C CKD.	8# @300/C ST. 8# @400/C CKD.	
S6	125	8# @200/C (TOP) 8# @200/C (BOTTOM)	8# @450/C ST. 8# @450/C CKD.	
S7	150	10# @150/C (TOP) 10# @150/C (BOTTOM)	8# @300/C ST. 8# @300/C CKD.	
S8	175	10# @300/C ST. 10# @300/C CKD.	10# @400/C ST. 10# @400/C CKD.	
S9	165	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.	
S10	125	8# @150/C (TOP) 8# @150/C (BOTTOM)	8# @200/C (TOP) 8# @200/C (BOTTOM)	
S11	165	8# @300/C ST. 8# @250/C CKD.	8# @400/C ST. 8# @400/C CKD.	
S12	150	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.	
S13	175	10# @300/C ST. 10# @300/C CKD.	10# @400/C ST. 10# @400/C CKD.	
S14	200	10# @300/C ST. 10# @300/C CKD.	10# @300/C ST. 10# @300/C CKD.	
S15	150	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.	



TYPICAL DETAILS OF STAIR

- NOTES:-
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 3. ALL GRADE OF CONCRETE M35,M25.
 4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
 5. FOR STEEL GRADE Fe 415 AS PER I.S 1786-1979.
 6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
b. COLUMN			40
c. FLOOR BEAM.	30	30	30
d. TIE BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20
f. PILE			50
g. PILE CAP	50	50	50

CERTIFICATE OF OWNER

1. I ENGAGE ARCHITECT AND E.S.E DURING CONSTRUCTION
2. I FOLLOWED THE INSTRUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
3. K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADJOINING STRUCTURE.
4. IF ANY SIGNED DOCUMENT IS FOUND TO BE FAKE THE K.M.C AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDANCE OF ARCHITECT & E.S.E.

Raj Kumar Agarwal
Member of Council of Architecture CA / 94 / 17940

SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT

THE L.B.A HAS CERTIFIED ON THE PLAN (ITSELF WITH FULL RESPONSIBILITY) THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BLDG. RULES 2009, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ADJOINING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK.

Raj Kumar Agarwal
Architect
Member of Council of Architecture CA / 94 / 17940

SIGNATURE OF ARCHITECT

SIGNATURE OF ARCHITECT

RAJ KUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940
ADDRESS:
RAJ AGARWAL & ASSOCIATES
88, ROYD STREET (2ND FLOOR), KOLKATA-16.

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER RULES OF NORM AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ALOK ROY OF GEOTECH ENGINEERS PVT. LTD. 6A MILAN PARK, KOLKATA-700084. THE RECOMMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

Sanjiv J. Parekh
M.E. STRUCTURAL ENGINEER (CONS. ENGG.)
B.C.E. REG. FILE-116854-51
REGISTERED STRUCTURAL ENGINEER
REVIEWER 8816 K.M.C.

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SANJIV J. PAREKH
E.S.E. I (104),
ADDRESS:
34 RAMMOHAN DUTTA ROAD,
KOLKATA-20.

SIGNATURE OF STRUCTURAL REVIEWER

Sanjib Guha
SANJIB GUHA
BSC, BEE, FILE-116854-51
CHARTERED ENGINEER
REGISTERED STRUCTURAL REVIEWER 8816 K.M.C.

SIGNATURE OF STRUCTURAL REVIEWER

SANJIB GUHA
E.S.E. I (88),
ADDRESS:
34 RAMMOHAN DUTTA ROAD,
KOLKATA-20.

SIGNATURE OF GEO-TECHNICAL ENGINEER

Alok Roy
Alok Roy
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
Class-1, No.- 6.17/11
6A, Milan Park,
Kolkata-700 084

SIGNATURE OF GEO-TECHNICAL ENGINEER

ALOK ROY
B.E.CIVE. MICE (SOIL MECH & FOUNDATION ENGG.) M.L.E. MASCE (I),
M.A.C.I. (I) M.S.C. ENG. (I) DIRECTOR
Empanelment No. : 008/G.T. Eng. of Rajpur-Sonarpur Municipality
ADDRESS:
6A MILAN PARK, KOLKATA-700084.

PROJECT

PROPOSED G+X (33.55M. HT.) STORIED
RESIDENTIAL BUILDING AT PRE NO.- 214,
RAJA RAM MOHAN ROY ROAD,
P.S. - HARIDDEVPUR, WARD NO. - 122,
BOROUGH :- XIII, KOLKATA - 700008.

TITLE

CORPORATION DRAWING
FLOOR BEAM LAYOUT

ARCHITECTS

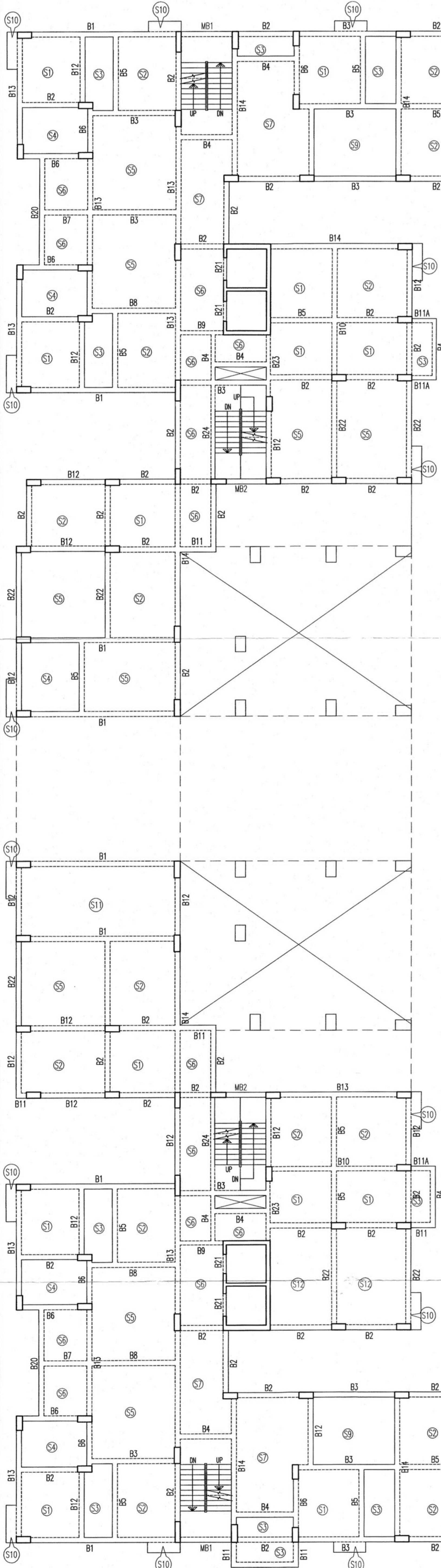
RAJ AGARWAL & ASSOCIATES
88, ROYD STREET,
KOLKATA-16

STRUCTURAL ENGINEERS

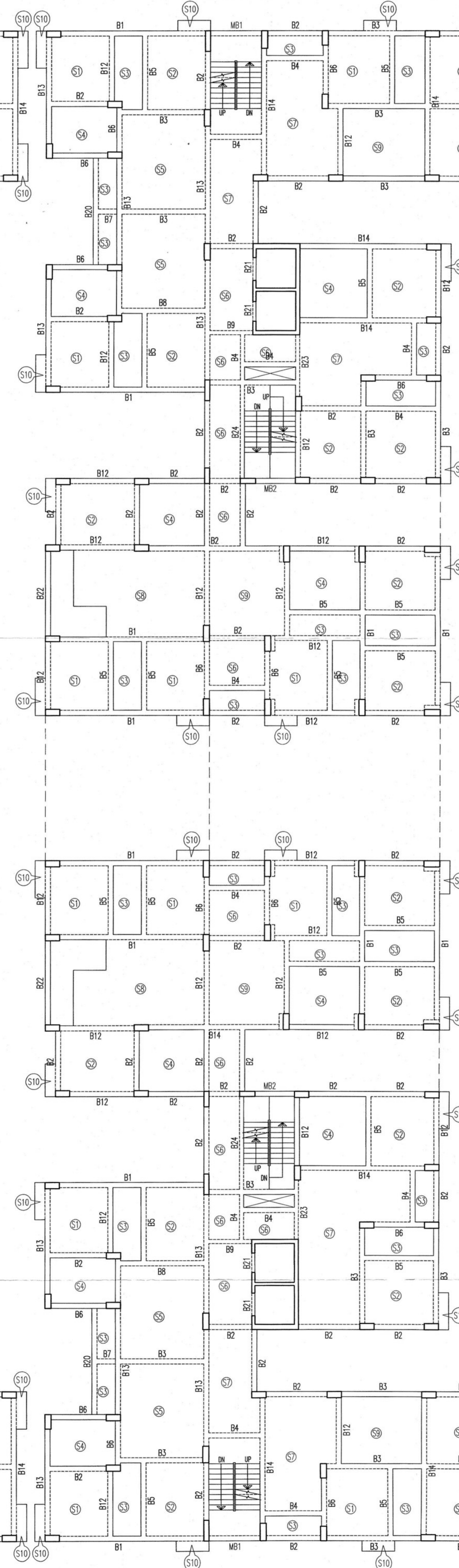
S.P.A. CONSULTANTS
JUSTICE CHANDRA MADHAB ROAD
KOLKATA-700020. PHONE - 2486-4474,2476-3733 FAX- 475-2484
E-Mail: spa_consultants@yahoo.co.in

DRAWN BY: SURAJIT **CHECKED BY:** **JOB NO.:** SPA/RAJ/2018/04

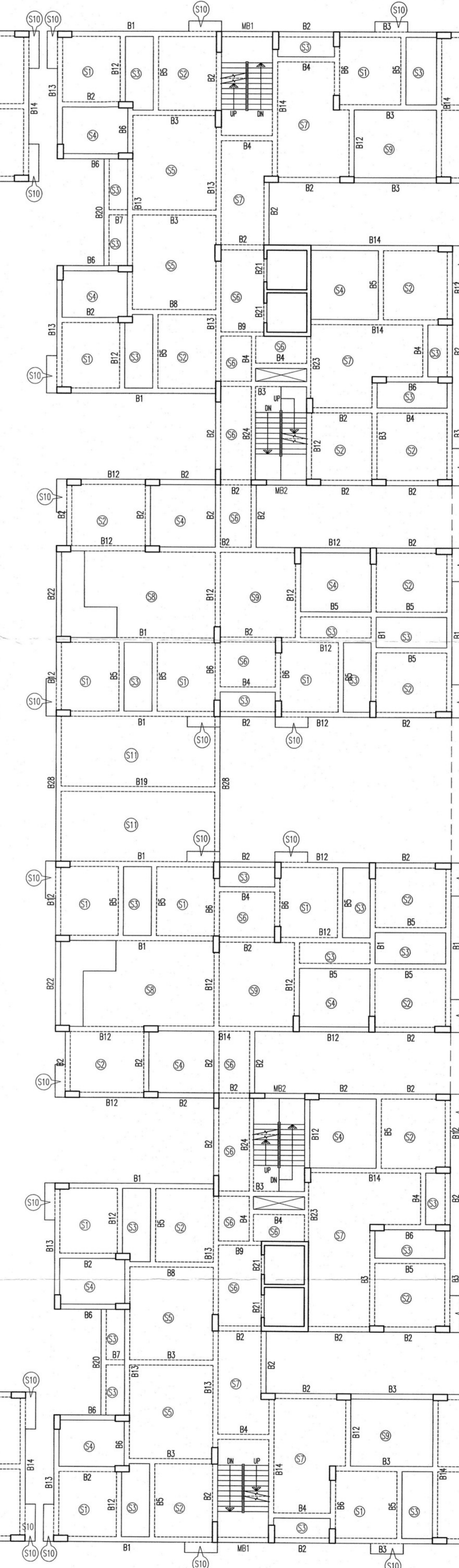
DATE: 08.01.2019 **SCALE:** 1:100,25 **DRG. NO.:** SPA/RAJ/2018/04/CS-03



3RD FLOOR BEAM LAYOUT



4TH FLOOR BEAM LAYOUT



5TH FLOOR BEAM LAYOUT

5-3

PARTY'S COPY

DEVIATION WOULD MEAN DEMOLITION

RESIDENTIAL BUILDING

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

THE SANCTION IS VALID UP TO 23/01/2024

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No. 2018/30284 Date 23/01/19 for record 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 design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction
Chait *Asaetkar*
 Asst. Engineer/Technical Advisor / Executive Engineer
 BOROUGH NO.- XIII, XIV

