

**FLOOR BEAM SCHEDULE**

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	5-20#	2-20#+1-16#	2-20#	2-20#+2-16#	2L-8# @100C/C	2L-8# @125C/C
B2	250	500	2-16#	3-16#	2-16#	3-16#	2L-8# @150C/C	2L-8# @150C/C
B3	250	500	5-16#	3-16#	2-16#	3-16#	2L-8# @100C/C	2L-8# @100C/C
B4	200	500	5-20#	2-20#+1-16#	2-20#	2-20#+2-16#	2L-8# @75C/C	2L-8# @75C/C
B5	250	500	2-20#+1-16#	2-20#+1-16#	2-20#+1-16#	2-25#+3-20#	2L-8# @125C/C	2L-8# @125C/C
B6	250	500	5-16#	2-16#	5-16#	2+16#	2L-8# @100C/C	2L-8# @100C/C
B7	200	500	2-16#	2-16#	2-16#	2-16#	2L-8# @100C/C	2L-8# @100C/C
B8	200	500	6-16#	2-16#	3-16#	3-16#	2L-8# @100C/C	2L-8# @150C/C
B9	250	850	5-25#	3-20#	5-25#	3-20#	2L-10# @100C/C	2L-10# @100C/C
B10	250	850	2-16#	3-16#	2-16#	5-16#	2L-8# @150C/C	2L-8# @150C/C
B11	250	800	5-20#	2-20#+1-16#	2-20#	2-20#+2-16#	2L-8# @75C/C	2L-8# @100C/C
MB1	250	500	2-16#+1-20#	3-16#	2-16#	3-16#	2L-8# @100C/C	2L-8# @150C/C

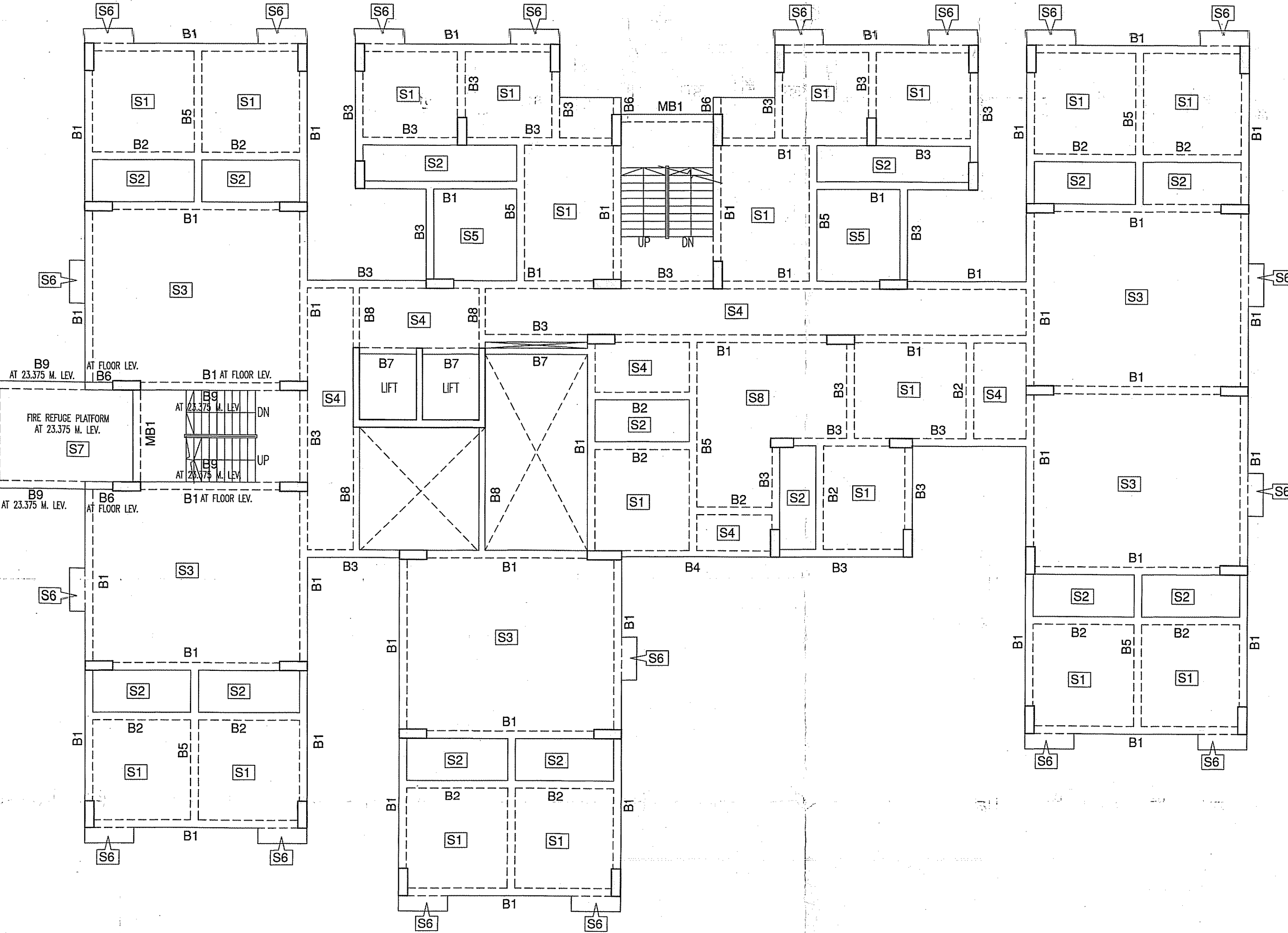
**COLUMN SCHEDULE**

GRADE OF CONCRETE - M30		6TH FLOOR TO ROOF	3RD FLOOR TO 6TH FLOOR	1ST FLOOR TO 3RD FLOOR	FOUNDATION TO 1ST FLOOR	COL. SIZE	LINK	COL. MARKED	
8-16#+8-12#	18-16#	12-16#	8-16#+12-12#	24-16#	10-16#+16-12#	8-20#+14-16#	18-16#	8-20#+10-16#	8-20#+10-16#
8-16#+8-12#	18-16#	12-16#	8-16#+12-12#	24-16#	18-16#+8-12#	8-20#+14-16#	18-16#	18-20#	18-20#
18-16#	18-20#	12-16#	8-16#+12-12#	8-20#+16-16#	26-16#	22-20#	18-20#	8-25#+10-20#	8-25#+10-20#
300x300	300x1125	300x750	300x1025	250x1400	250x1550	250x2475	300x900	300x1000	300x1025
LINK 8 TOR @ 100C/C UP TO 700 FROM BEAM SOFFIT AND SLAB TOP AND REST PORTION 8 TOR @ 125 C/C									
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10

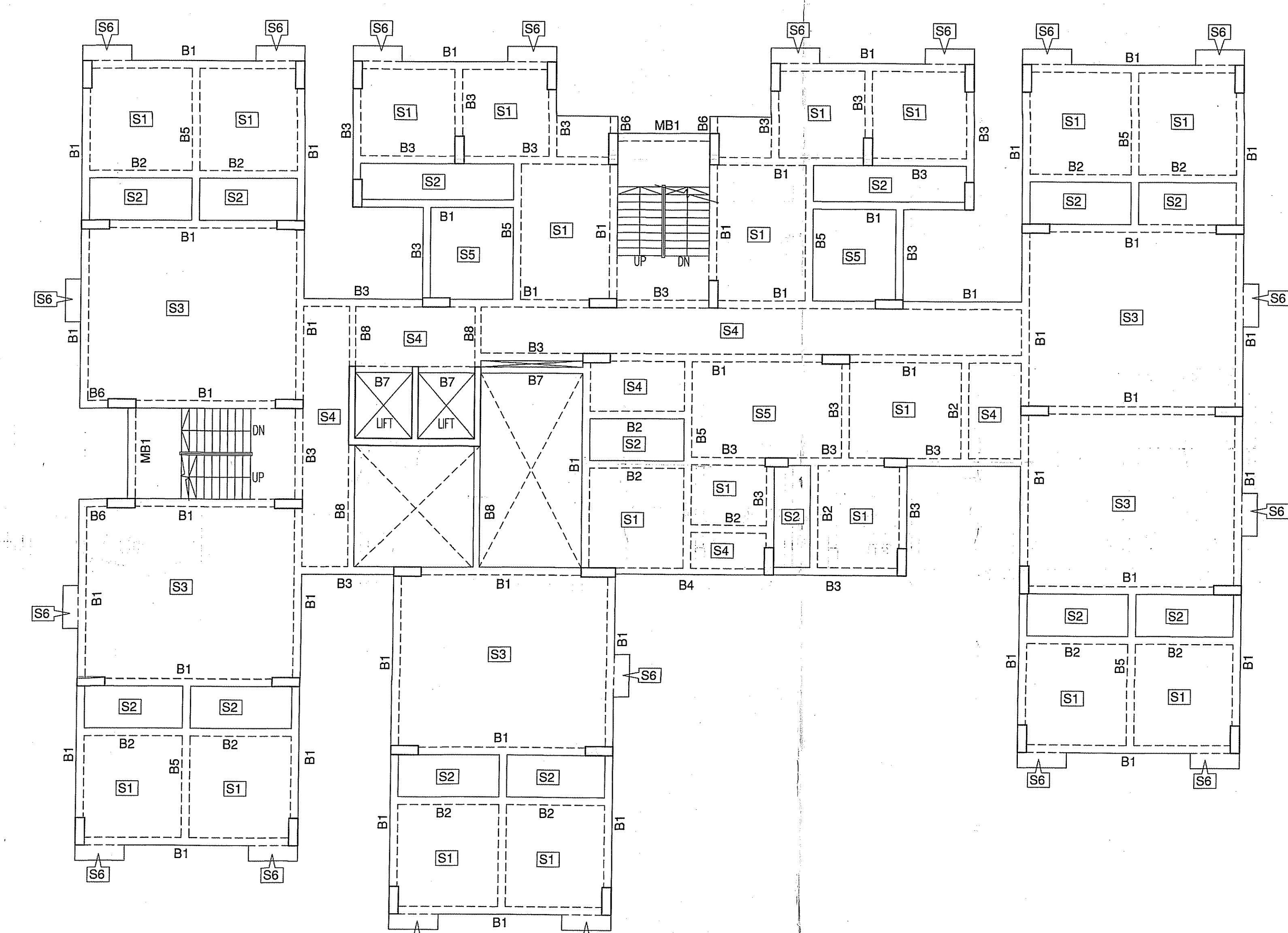
**FLOOR SLAB SCHEDULE**

GRADE OF CONCRETE - M25		SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8# @150C/C (TOP) 8# @150C/C (BOTTOM)	8# @150C/C (TOP) 8# @150C/C (BOTTOM)		
S2	125	8# @200C/C (TOP) 8# @200C/C (BOTTOM)	8# @200C/C (TOP) 8# @200C/C (BOTTOM)		
S3	225	10# @100C/C (TOP) 10# @100C/C (BOTTOM)	10# @100C/C (TOP) 10# @100C/C (BOTTOM)		
S4	125	8# @150C/C (TOP) 8# @150C/C (BOTTOM)	8# @200C/C (TOP) 8# @200C/C (BOTTOM)		
S5	150	8# @150C/C (TOP) 8# @150C/C (BOTTOM)	8# @150C/C (TOP) 8# @150C/C (BOTTOM)		
S6	125	8# @200C/C (TOP) 8# @200C/C (BOTTOM)	8# @200C/C (TOP) 8# @200C/C (BOTTOM)		
S7	150	8# @150C/C (TOP) 8# @150C/C (BOTTOM)	8# @200C/C (TOP) 8# @200C/C (BOTTOM)		
S8	175	10# @150C/C (TOP) 10# @150C/C (BOTTOM)	8# @125C/C (TOP) 8# @125C/C (BOTTOM)		
S9	175	8# @100C/C (TOP) 8# @100C/C (BOTTOM)	8# @125C/C (TOP) 8# @125C/C (BOTTOM)		

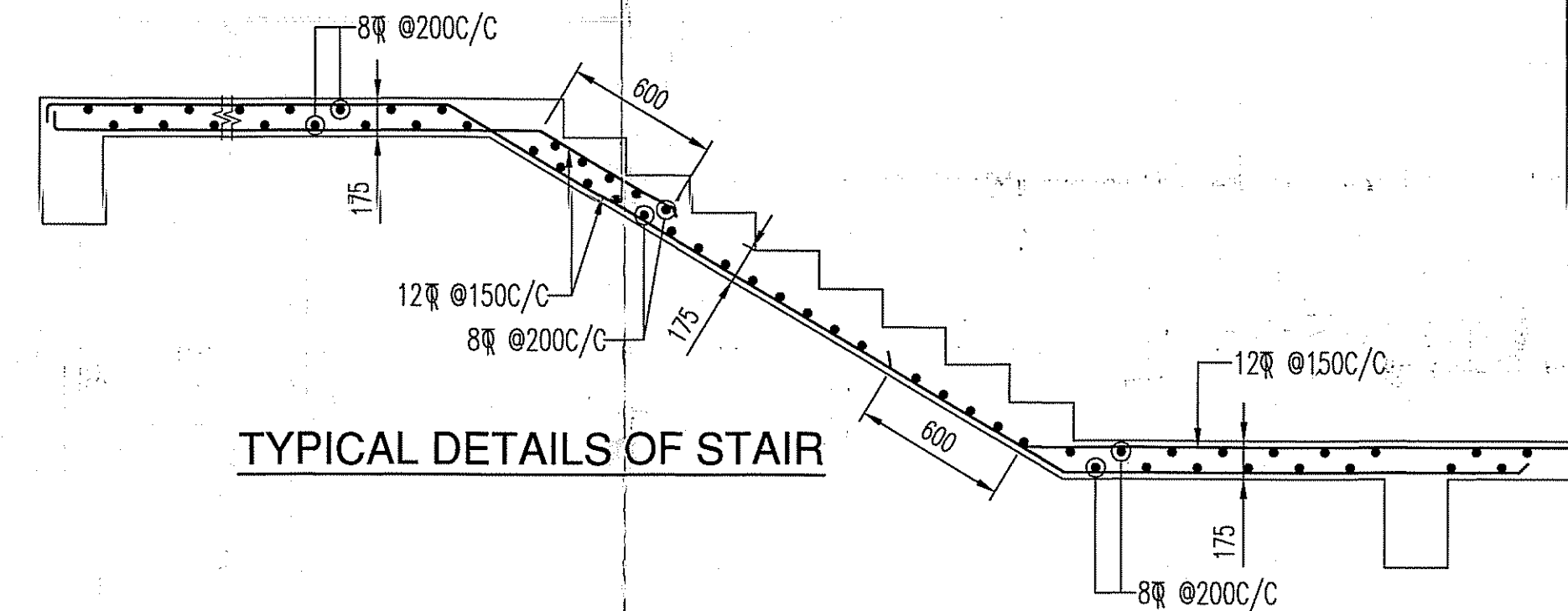
- NOTES:**
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
  2. ALL GRADE OF CONCRETE AS/SCHEDULED.
  3. SUPER STRUCTURE : ALL SUPER STRUCTURE BRICK WORK SHALL BE OF AAC BLOCKS .
  4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
  5. FOR STEEL GRADE Fe 600 AS PER I.S 1786-2008.
  6. LAPS, 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 & SUB | 50  | 50     | 50   |
| b. COLUMN                | -   | -      | 40   |
| c. TIE BEAM              | 30  | 30     | 30   |
| d. FLOOR BEAM            | 30  | 30     | 30   |
| e. FLOOR SLAB            | 20  | 20     | 20   |
| f. FILE CAP              | 50  | 50     | 50   |
9. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.



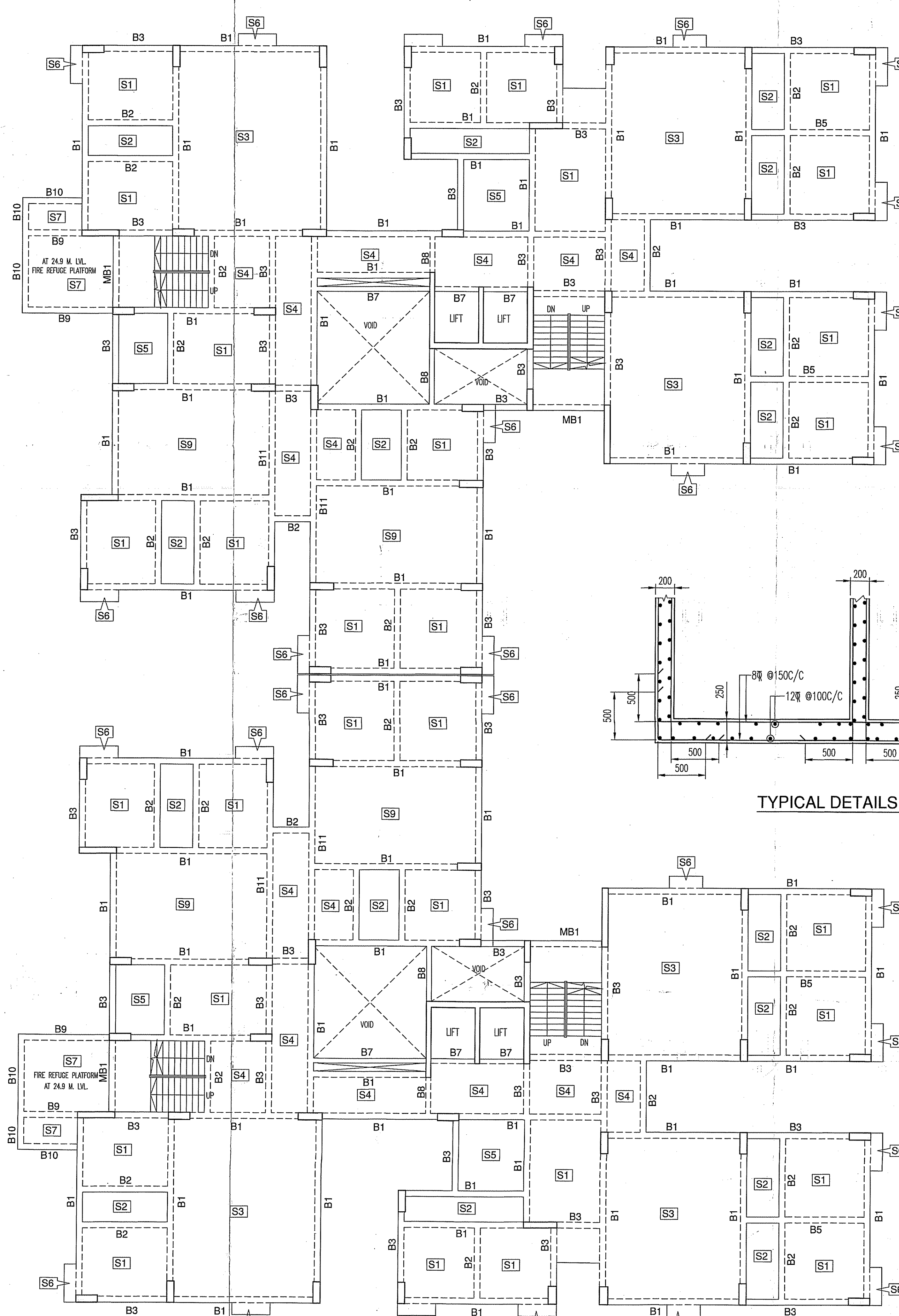
TYPICAL (2ND TO 9TH) FLOOR BEAM LAYOUT  
BLOCK - 3



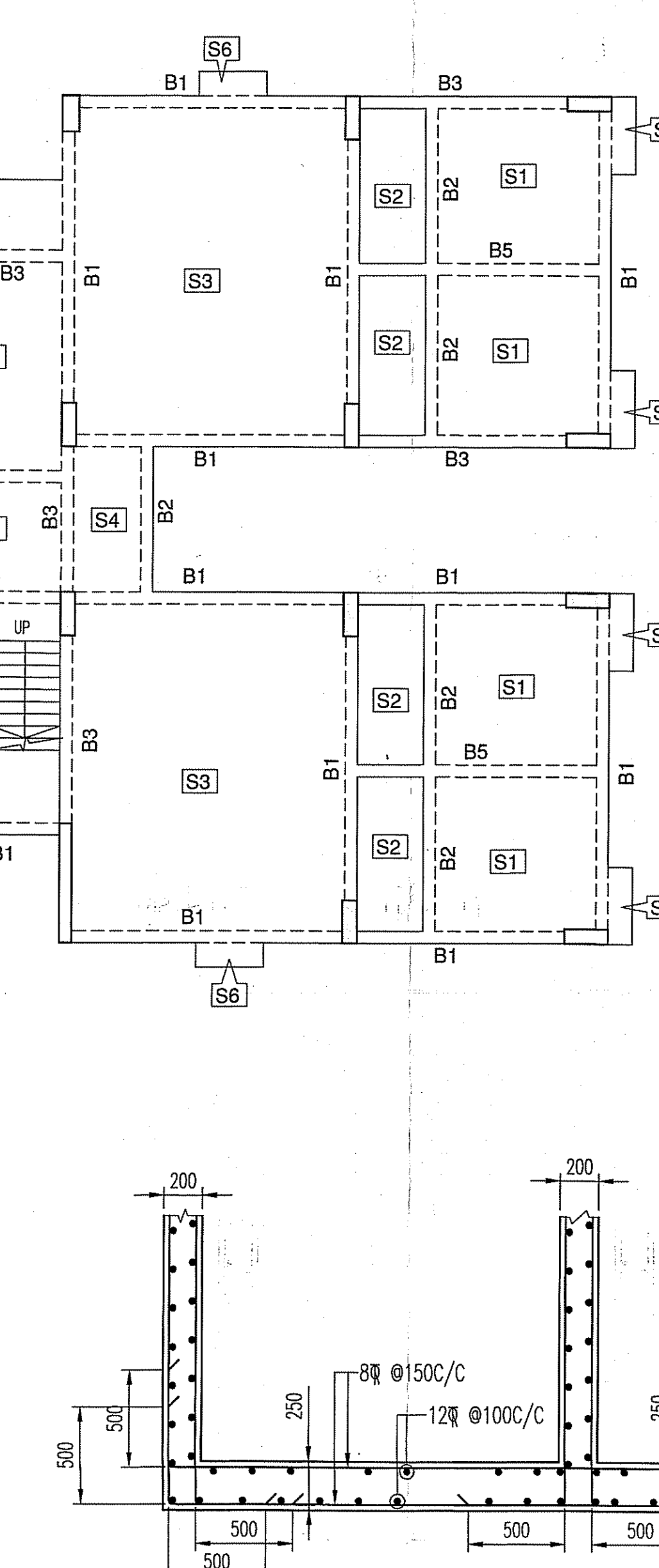
1ST FLOOR BEAM LAYOUT  
BLOCK - 3



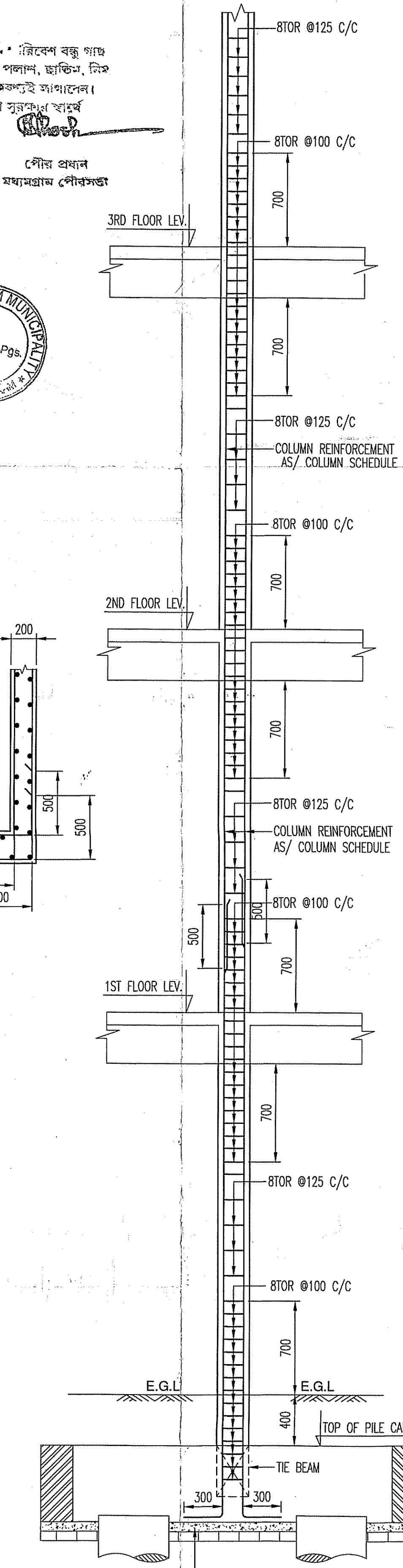
TYPICAL DETAILS OF STAIR



TYPICAL FLOOR BEAM LAYOUT  
BLOCK-1 & 2



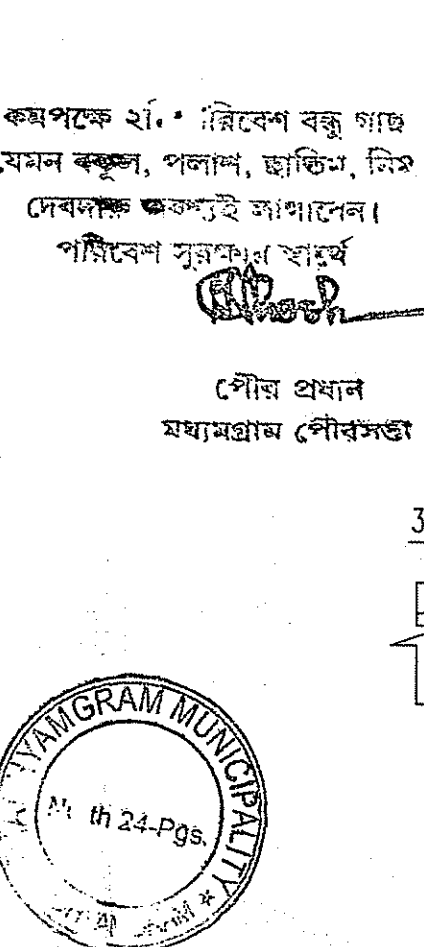
TYPICAL DETAILS OF LIFT WALL



TYPICAL DETAILS OF  
COLUMN REINFORCEMENT

MEETING DATE: 13-04-2023.

SANCTIONED  
ON: 13/04/2023  
PIA No. 2023-01/10/2023-2024  
VALID UPTO: 16/04/2026



কম্পক্ষে বাঁচিয়ে দেওয়া গাঠ  
সেমন কলম, পলম, স্টিং, স্টিং  
সেমন কলমই সাধাওনে।  
পলমই স্টিং সাধাওনে।



সঞ্জিভ জ. পাল  
M.E. (STRUCTURAL), M.E. (CONST. ENG.)  
B.C.E.C. REG. NO. 11884-4  
K.M.C. REG. NO. 10/0643  
G.T.E.C. REG. NO. 10/0643  
22/8/2009 (G.T.E.C. CLASS-1/15  
M.M.STRUC/062018-19

SANKU GUHA  
B.Sc. B.E., P.E. (11884-4)  
CHARTERED ENGINEER  
ENLISTED STRUCTURAL  
REVIEWER 8916 S.M.C.  
SIGNATURE OF STRUCTURAL REVIEWER.

JISHNU PAL  
B.Tech CIVIL, M.E. (Const. Eng.)  
K.M.C. Reg. No. 10/0643  
G.T.E.C. Reg. No. 10/0643  
22/8/2009 (G.T.E.C. CLASS-1/15  
M.M.STRUC/062018-19  
SIGNATURE OF GEO-TECHNICAL ENGINEER.

CERTIFICATE OF STRUCTURAL ENGINEER  
CERTIFIED THAT, THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & 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 & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

Sanjiv J. Parekh  
M.E. (STRUCTURAL), M.E. (CONST. ENG.)  
B.C.E.C. REG. NO. 11884-4  
M.M.STRUC/062018-19  
SIGNATURE OF STRUCTURAL ENGINEER.

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. REG. RULES 2009 AS AMENDED FROM THE 10 TO THE AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK.

Rajkumar Agarwal  
Architect  
Member of Council of  
Architecture CA / 94 / 17940

SIGN. OF ARCHITECT  
RAJKUMAR AGARWAL  
COUNCIL REGISTRATION NO. CA/94/17940  
ADDRESS:  
RAJ AGRAWAL & ASSOCIATES  
8B, ROYD STREET (2ND FLOOR), KOLKATA-16.

PROPOSED G+X STORIED (31.0 M. HT.)  
RESIDENTIAL BUILDING AT SITE RSLR DAG NO.  
770,773 & 775, MOUZA: SAHARA, J.L. NO.-46 AND  
RSLR DAG NO. 1155,1160,1161,1165 & 1166,  
MOUZA: DOHARIA, J.L. NO.-45, POLICE STATION-  
MADHYAMGRAM, MADHYAMGRAM MUNICIPALITY,  
DISTRICT- NORTH 24 PARGANAS.

TITLE  
STRUCTURAL CORPORATION DRAWING  
COLUMN SCHEDULE, ALL FLOOR BEAM LAYOUT

STRUCTURAL ENGINEERS  
S.P.A. CONSULTANTS  
34, RAM MOHAN DUTTA ROAD  
PH. NO 2485-5445/5449,2475-7814  
E-mail: spa\_cons@yahoo.co.in

DRAWN BY: Bidhu  
CHECKED BY DATE: Nilabja 27.09.2022  
SCALE: 1:100, 25

JOB NO. 2022 147 SPA RAJ.AG. 164 OLD J. ROAD (DOLTA)  
DWG. NO. 2022/147/SPA/RAJ.AG./154 OLD J. ROAD/CS-01

ARCHITECT  
RAJ AGRAWAL & ASSOCIATES  
8B, ROYD STREET, KOLKATA - 16  
APPROVED BY:-

SIGNATURE OF ASST. ENGINEER (MUNICIPAL)  
FOR OFFICE USE ONLY

SIGNATURE OF CHAIRMAN