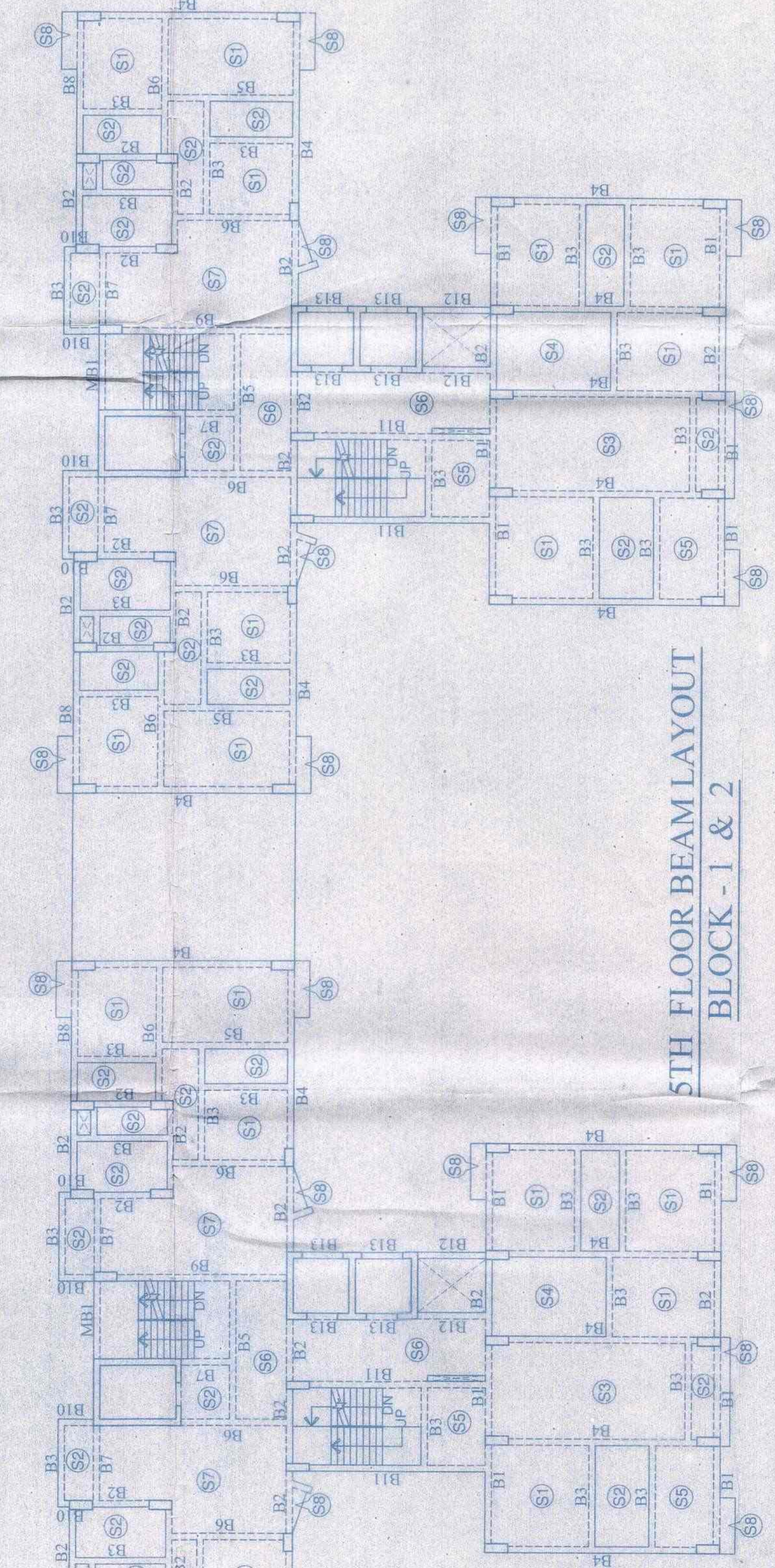
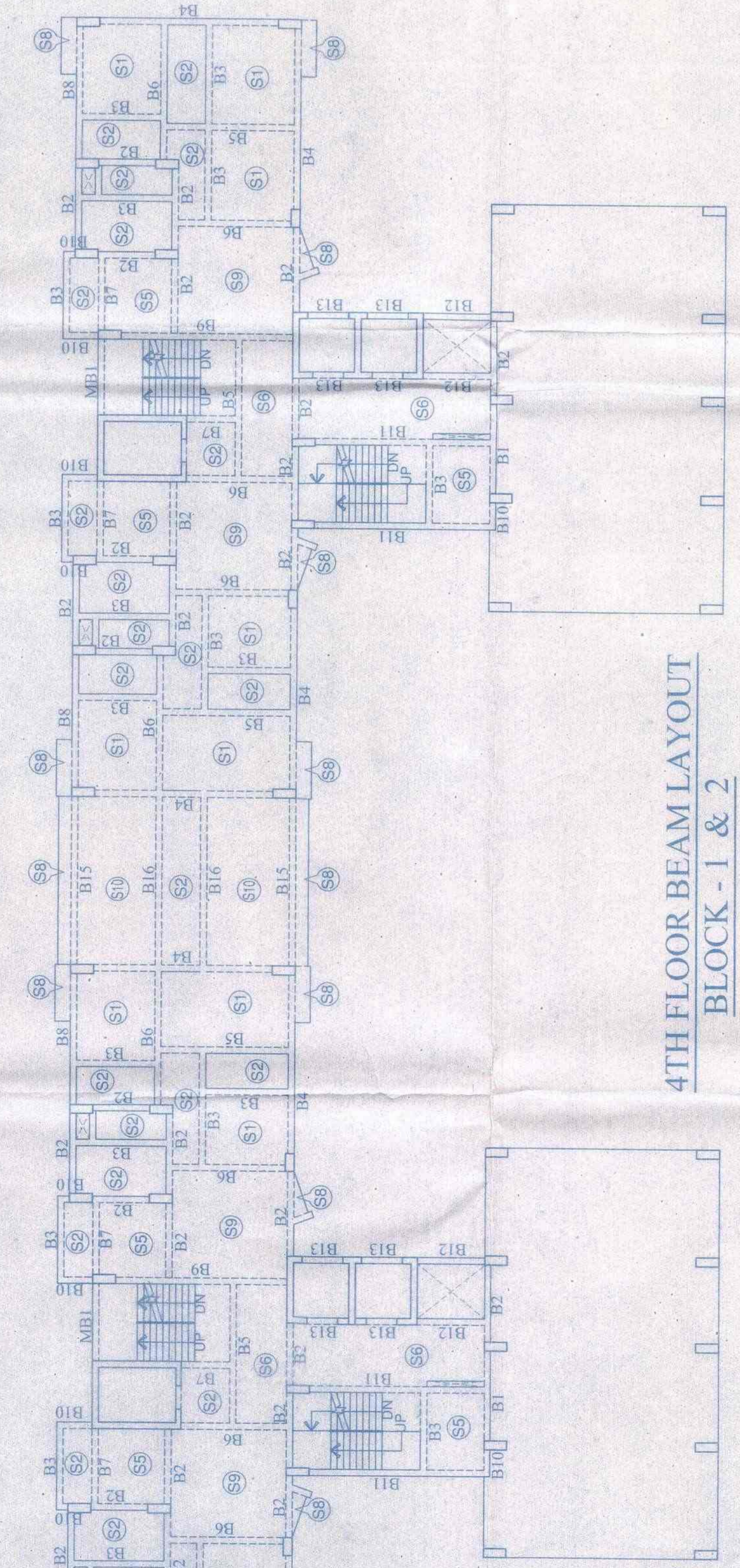


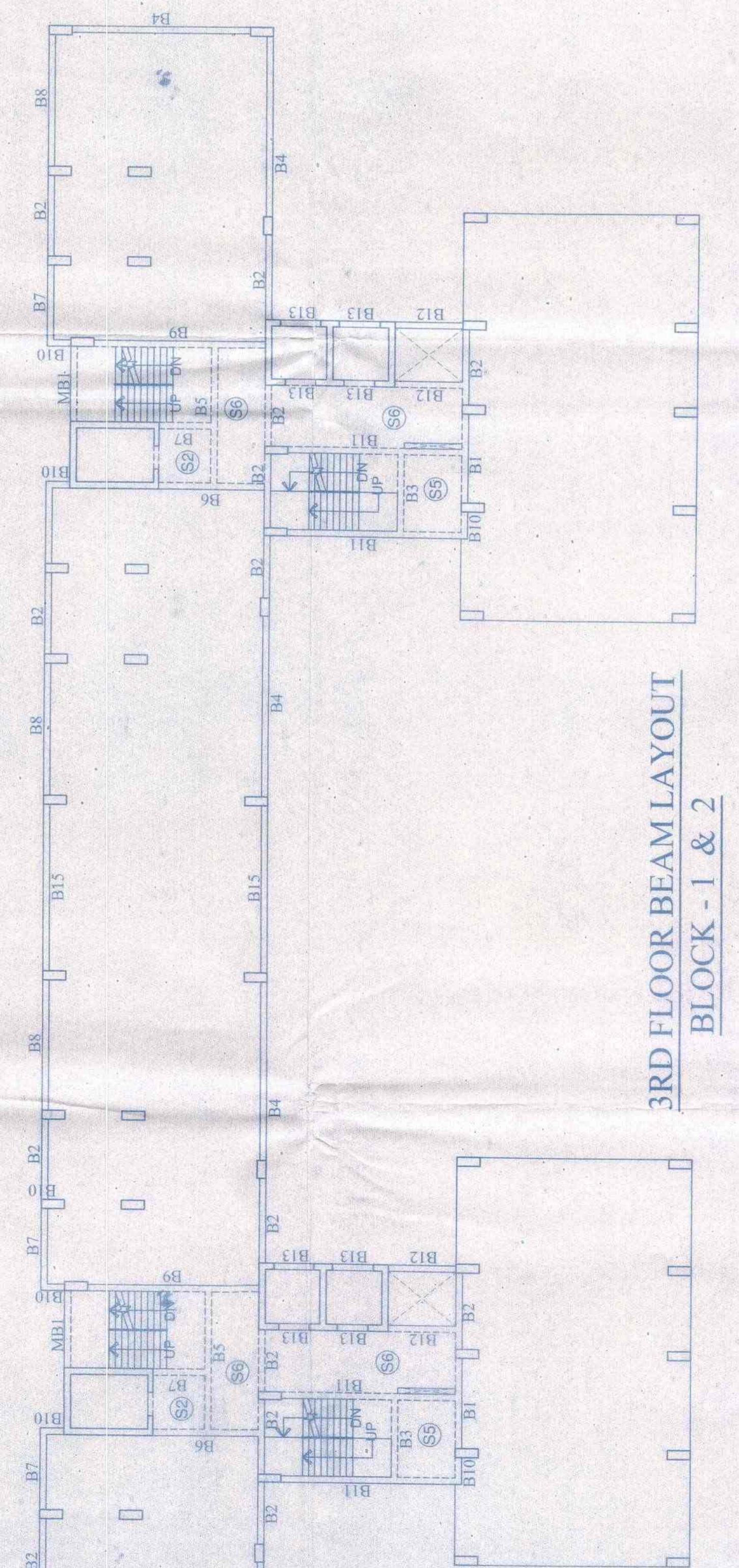
6TH FLOOR BEAM LAYOUT
BLOCK - 1 & 2



5TH FLOOR BEAM LAYOUT
BLOCK - 1 & 2



4TH FLOOR BEAM LAYOUT
BLOCK - 1 & 2



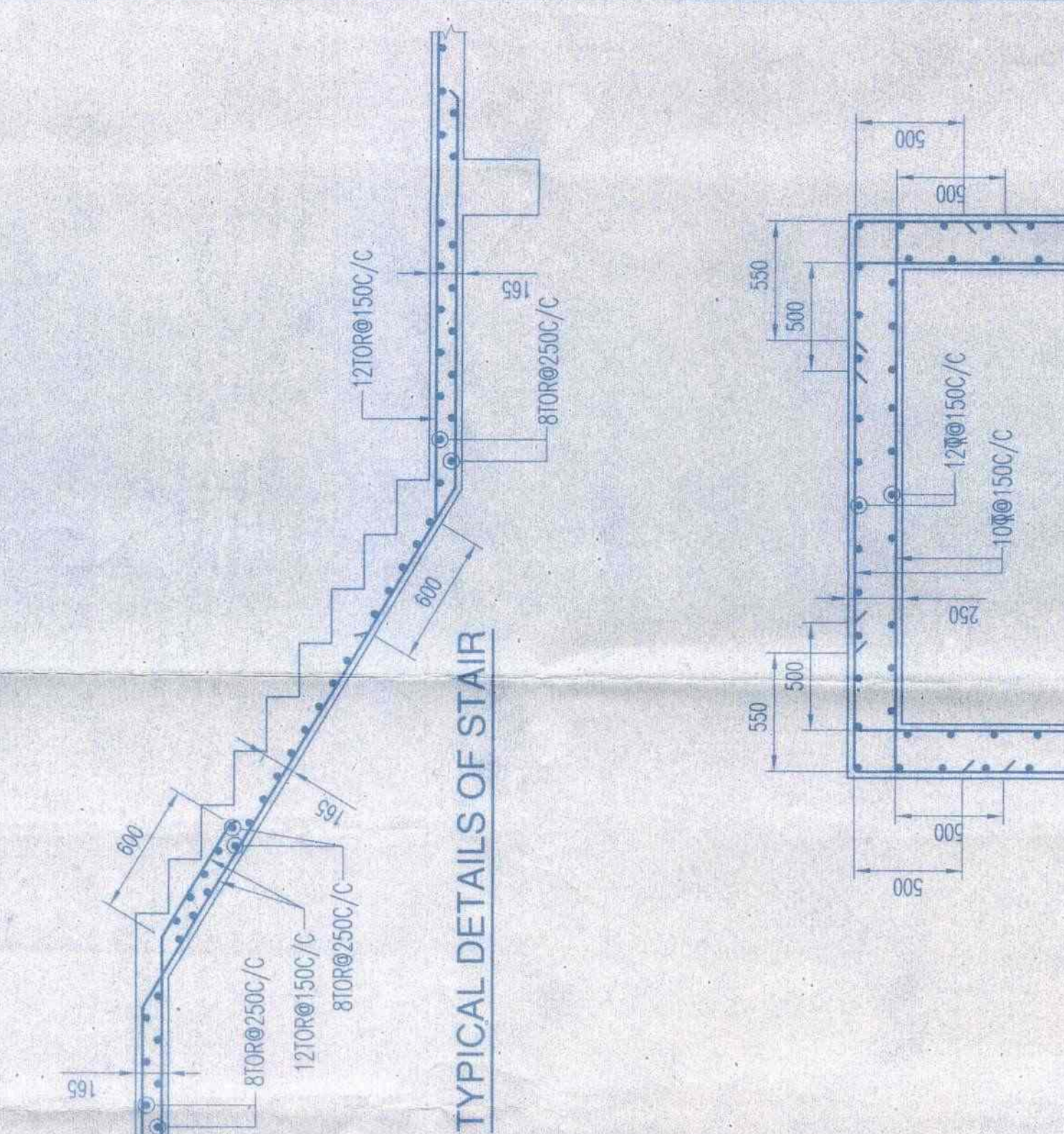
3RD FLOOR BEAM LAYOUT
BLOCK - 1 & 2

TYPICAL (3RD TO 18TH) FLOOR BEAM SCHEDULE
GRADE OF CONCRETE - M30

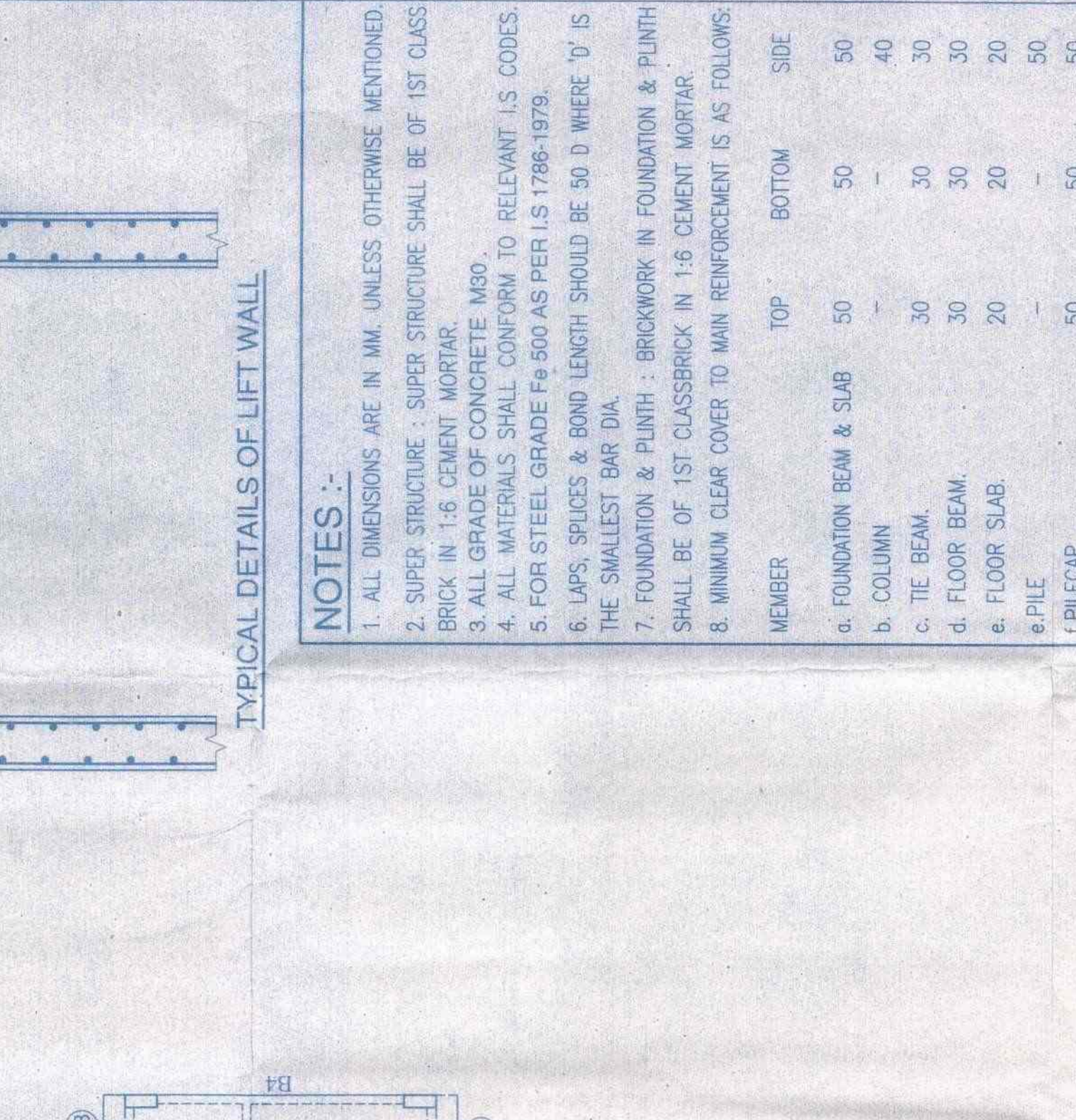
BEAM MKD	BEAM SIZE		REINFT. AT SUPPORT		REINFT. AT MID SPAN		STRIPS AT	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	AT	SPAN
B1	250	600	6-20	3-20	5-20	5-20	8 @ 100/C	8 @ 200/C
B2	250	600	5-20	3-20	3-20	3-20	8 @ 100/C	8 @ 200/C
B3	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B4	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B5	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B6	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B7	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B8	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B9	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B10	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B11	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B12	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B13	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B14	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B15	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B16	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B17	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
B18	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C
MB1	250	600	2-18	2-18	2-18	2-18	8 @ 100/C	8 @ 200/C

TYPICAL (3RD TO 18TH) FLOOR SLAB SCHEDULE
GRADE OF CONCRETE - M30

SLAB MKD	DEPTH	REINFT. AT SUPPORT	REINFT. AT LONGER SPAN
S1	125	8 @ 100/C	8 @ 200/C
S2	125	8 @ 100/C	8 @ 200/C
S3	125	8 @ 100/C	8 @ 200/C
S4	125	8 @ 100/C	8 @ 200/C
S5	125	8 @ 100/C	8 @ 200/C
S6	125	8 @ 100/C	8 @ 200/C
S7	125	8 @ 100/C	8 @ 200/C
S8	125	8 @ 100/C	8 @ 200/C
S9	125	8 @ 100/C	8 @ 200/C
S10	125	8 @ 100/C	8 @ 200/C
S11	125	8 @ 100/C	8 @ 200/C
S12	125	8 @ 100/C	8 @ 200/C
S13	125	8 @ 100/C	8 @ 200/C
S14	125	8 @ 100/C	8 @ 200/C
S15	125	8 @ 100/C	8 @ 200/C
S16	125	8 @ 100/C	8 @ 200/C
S17	125	8 @ 100/C	8 @ 200/C
S18	125	8 @ 100/C	8 @ 200/C
S19	125	8 @ 100/C	8 @ 200/C
S20	125	8 @ 100/C	8 @ 200/C
S21	125	8 @ 100/C	8 @ 200/C
S22	125	8 @ 100/C	8 @ 200/C
S23	125	8 @ 100/C	8 @ 200/C
S24	125	8 @ 100/C	8 @ 200/C
S25	125	8 @ 100/C	8 @ 200/C
S26	125	8 @ 100/C	8 @ 200/C
S27	125	8 @ 100/C	8 @ 200/C
S28	125	8 @ 100/C	8 @ 200/C
S29	125	8 @ 100/C	8 @ 200/C
S30	125	8 @ 100/C	8 @ 200/C
S31	125	8 @ 100/C	8 @ 200/C
S32	125	8 @ 100/C	8 @ 200/C
S33	125	8 @ 100/C	8 @ 200/C
S34	125	8 @ 100/C	8 @ 200/C
S35	125	8 @ 100/C	8 @ 200/C
S36	125	8 @ 100/C	8 @ 200/C
S37	125	8 @ 100/C	8 @ 200/C
S38	125	8 @ 100/C	8 @ 200/C
S39	125	8 @ 100/C	8 @ 200/C
S40	125	8 @ 100/C	8 @ 200/C
S41	125	8 @ 100/C	8 @ 200/C
S42	125	8 @ 100/C	8 @ 200/C
S43	125	8 @ 100/C	8 @ 200/C
S44	125	8 @ 100/C	8 @ 200/C
S45	125	8 @ 100/C	8 @ 200/C
S46	125	8 @ 100/C	8 @ 200/C
S47	125	8 @ 100/C	8 @ 200/C
S48	125	8 @ 100/C	8 @ 200/C
S49	125	8 @ 100/C	8 @ 200/C
S50	125	8 @ 100/C	8 @ 200/C
S51	125	8 @ 100/C	8 @ 200/C
S52	125	8 @ 100/C	8 @ 200/C
S53	125	8 @ 100/C	8 @ 200/C
S54	125	8 @ 100/C	8 @ 200/C
S55	125	8 @ 100/C	8 @ 200/C
S56	125	8 @ 100/C	8 @ 200/C
S57	125	8 @ 100/C	8 @ 200/C
S58	125	8 @ 100/C	8 @ 200/C
S59	125	8 @ 100/C	8 @ 200/C
S60	125	8 @ 100/C	8 @ 200/C
S61	125	8 @ 100/C	8 @ 200/C
S62	125	8 @ 100/C	8 @ 200/C
S63	125	8 @ 100/C	8 @ 200/C
S64	125	8 @ 100/C	8 @ 200/C
S65	125	8 @ 100/C	8 @ 200/C
S66	125	8 @ 100/C	8 @ 200/C
S67	125	8 @ 100/C	8 @ 200/C
S68	125	8 @ 100/C	8 @ 200/C
S69	125	8 @ 100/C	8 @ 200/C
S70	125	8 @ 100/C	8 @ 200/C
S71	125	8 @ 100/C	8 @ 200/C
S72	125	8 @ 100/C	8 @ 200/C
S73	125	8 @ 100/C	8 @ 200/C
S74	125	8 @ 100/C	8 @ 200/C
S75	125	8 @ 100/C	8 @ 200/C
S76	125	8 @ 100/C	8 @ 200/C
S77	125	8 @ 100/C	8 @ 200/C
S78	125	8 @ 100/C	8 @ 200/C
S79	125	8 @ 100/C	8 @ 200/C
S80	125	8 @ 100/C	8 @ 200/C
S81	125	8 @ 100/C	8 @ 200/C
S82	125	8 @ 100/C	8 @ 200/C
S83	125	8 @ 100/C	8 @ 200/C
S84	125	8 @ 100/C	8 @ 200/C
S85	125	8 @ 100/C	8 @ 200/C
S86	125	8 @ 100/C	8 @ 200/C
S87	125	8 @ 100/C	8 @ 200/C
S88	125	8 @ 100/C	8 @ 200/C
S89	125	8 @ 100/C	8 @ 200/C
S90	125	8 @ 100/C	8 @ 200/C
S91	125	8 @ 100/C	8 @ 200/C
S92	125	8 @ 100/C	8 @ 200/C
S93	125	8 @ 100/C	8 @ 200/C
S94	125	8 @ 100/C	8 @ 200/C
S95	125	8 @ 100/C	8 @ 200/C
S96	125	8 @ 100/C	8 @ 200/C
S97	125	8 @ 100/C	8 @ 200/C
S98	125	8 @ 100/C	8 @ 200/C
S99	125	8 @ 100/C	8 @ 200/C
S100	125	8 @ 100/C	8 @ 200/C



TYPICAL DETAILS OF STAIR



TYPICAL DETAILS OF LIFT WALL

NOTES :-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:8 CEMENT MORTAR.
3. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
5. FOR STEEL GRADE F450 AS PER IS 1786-1979.
6. LAPS, SPICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLUMB - BRICKWORK IN FOUNDATION & PLUMB 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. THE BEAM	30	30	30
d. FLOOR BEAM	30	30	30
e. FLOOR SLAB	20	20	20
f. PILE	-	-	50
g. PILECAP	50	50	50

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

Signature of Owner
Signature of L & A

Signature of Structural Engineer
SANJIV J PAREKH
M.E., A.M.I.E. (ENGRG.), M.S.C.E.
REGISTERED ENGINEER AM - 053212
170, PATEL
170, PATEL
170, PATEL

PROJECT
PROPOSED G+XVIII STORED (59/90
MTR. HT.) RESIDENTIAL BUILDING
AT PREMISES NO. (26+27+28) I,
FORESHORE ROAD, P.S. - SHIBPUR,
DIST. - HOWRAH, UNDER HMC,
WARD NO. - 36, BOROUGH NO. - IV,
UNDER DAG NO. 193, 206, 207, KH.
NO. - 56 (RS), MOUZA - SHIBPUR,
SHEET NO. - 94.

TITLE
CORPORATION DRAWING
TYPICAL FLOOR BEAM LAYOUT
(BLOCK 1 & 2)

DRAWN BY
RAJ AGRAWAL & ASSOCIATES
STRUCTURAL ENGINEERS
KOLKATA-70

S.P.A. CONSULTANTS
STRUCTURAL ENGINEERS
S.A. JUSTICE CHANDRA MADHAB ROAD
PH. NO. 2488-4474, 2475-7914. FAX. 475-2684
E-MAIL: s.p.a.consultants@gmail.com

SCALE : 1:100

DATE : 30.09.2015

CHECKED BY
S.P.A.

JOB NO. : S.P.A./R/2015/0232

DRAWN NO. : S.P.A./R/2015/0232/04

SHEET NO. : 12 OF 10