

FLOOR BEAM SCHEDULE GRADE OF CONCRETE - M25

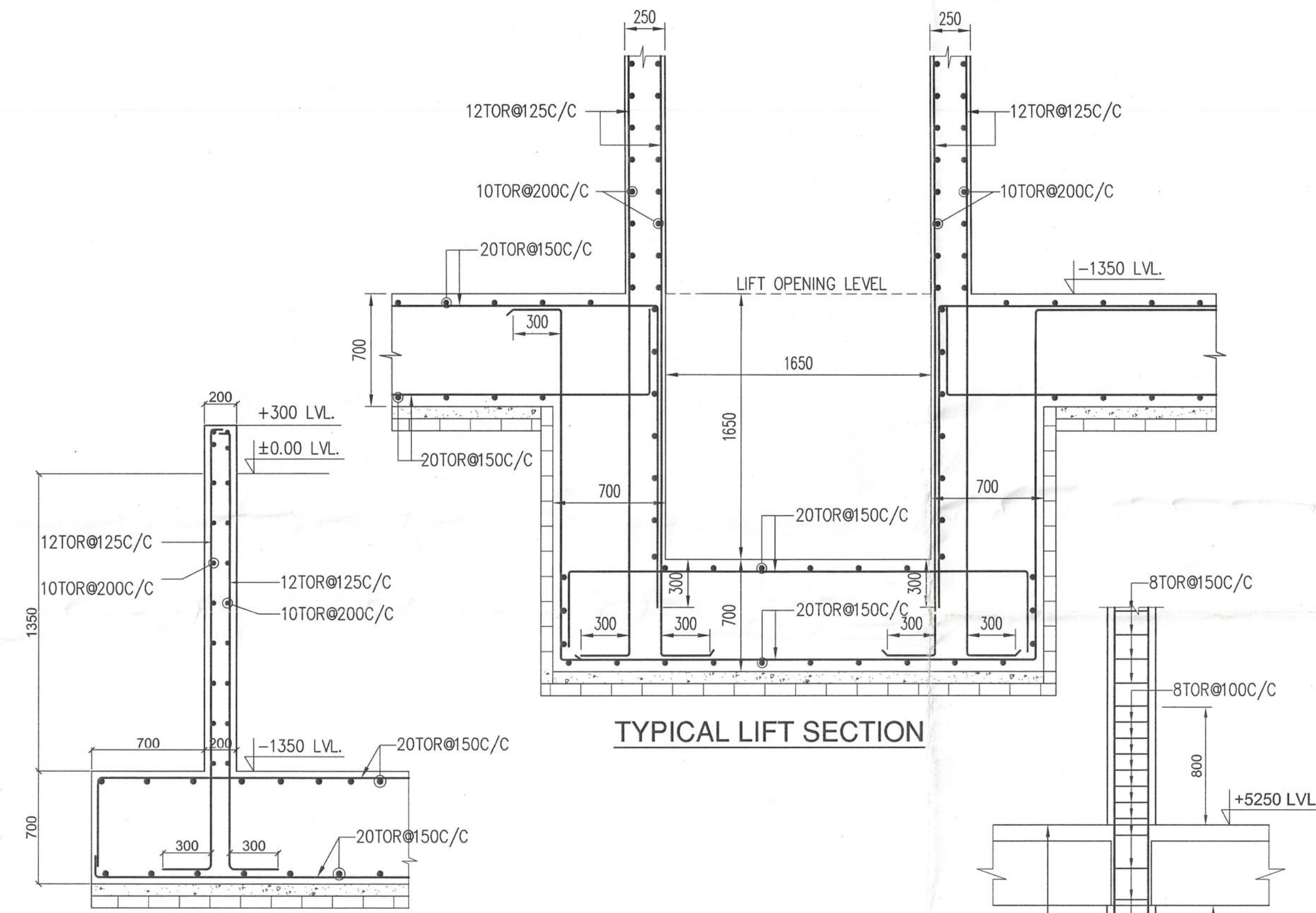
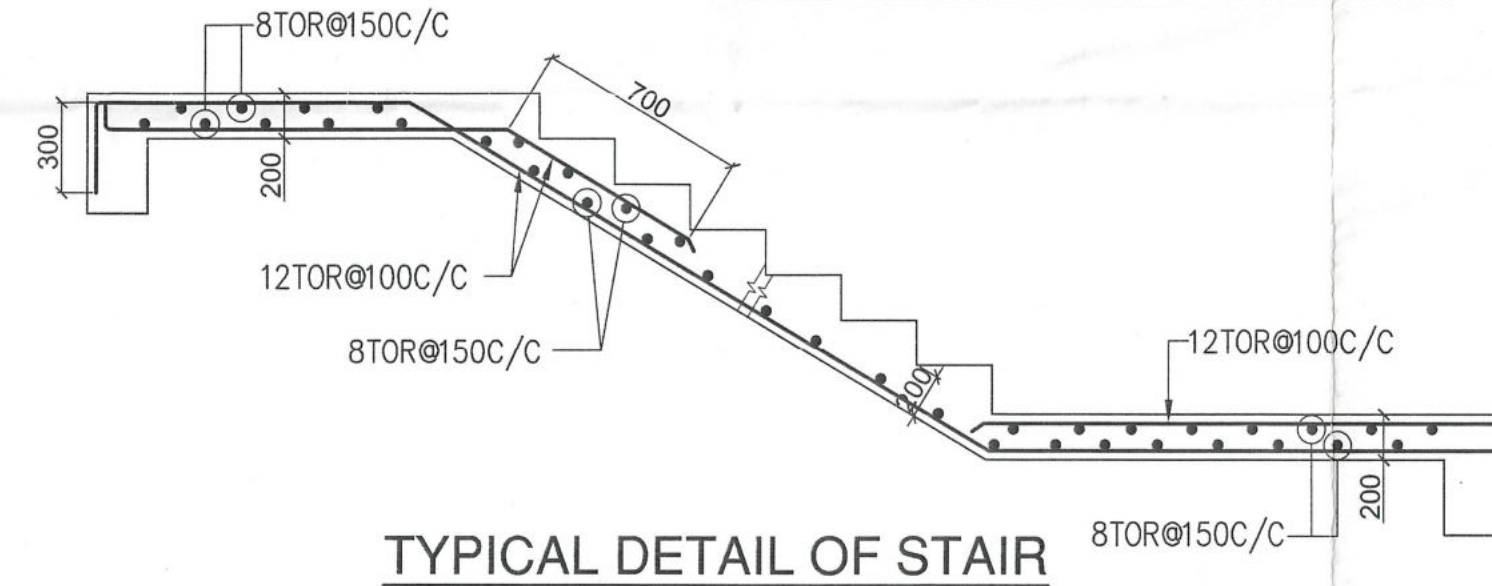
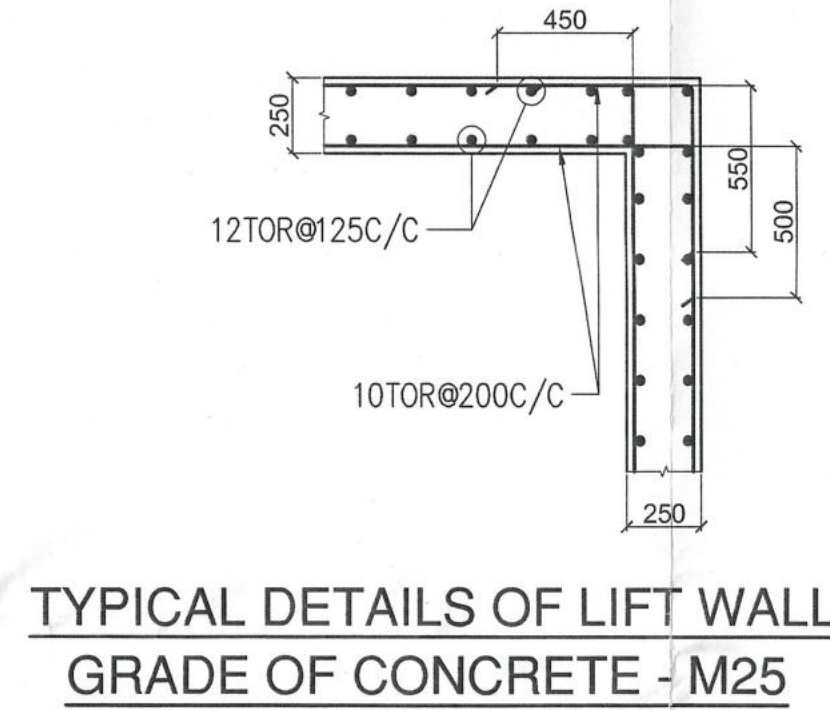
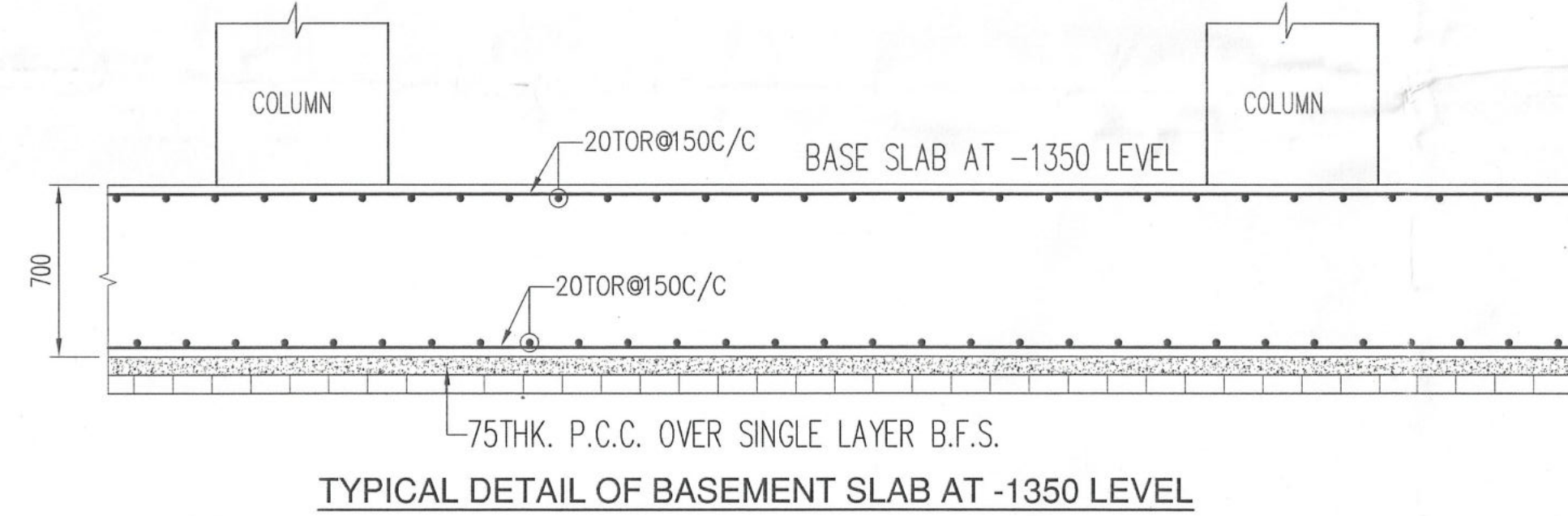
BEAM MKD.	BEAM SIZE	REINFORCEMENT AT TOP			REINFORCEMENT AT BOTTOM			STIRRUPS		
		LEFT	MIDDLE	RIGHT	LEFT	MIDDLE	RIGHT	LEFT SUPPORT(0.3L)	MID SPAN	RIGHT SUPPORT(0.3L)
B-1	250x500	5-16TOR	2-16TOR	5-16TOR	2-16TOR+1-12TOR	2-16TOR+3-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-2	250x500	5-16TOR	2-16TOR	5-16TOR	2-16TOR+1-12TOR	4-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-3	250x500	5-16TOR	2-16TOR	5-16TOR	2-16TOR+1-12TOR	4-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-4	250x500	5-16TOR	2-16TOR	5-16TOR	2-16TOR+1-12TOR	4-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-5	250x500	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR	3-16TOR	2-16TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-6	250x500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-7	250x500	2-16TOR+2-20TOR	2-16TOR	2-16TOR+2-20TOR	3-16TOR	5-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-8	250x500	4-16TOR	2-16TOR	4-16TOR	2-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-9	200x500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-10	250x500	5-16TOR	3-16TOR	5-16TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C	8TOR@100C/C
B-11	250x500	5-16TOR	3-16TOR	5-16TOR	2-16TOR+1-12TOR	4-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@125C/C	8TOR@100C/C
B-12	250x500	3-16TOR+2-20TOR	3-16TOR	3-16TOR+2-20TOR	2-16TOR+1-20TOR	2-16TOR+3-20TOR	2-16TOR+1-20TOR	8TOR@100C/C	8TOR@125C/C	8TOR@100C/C
B-13	250x500	3-20TOR	3-20TOR	3-20TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@125C/C	8TOR@100C/C
B-14	250x500	3-20TOR	3-20TOR	3-20TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C
MB-1	250x500	3-20TOR	3-20TOR	3-20TOR	3-20TOR	3-20TOR	3-20TOR	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C

COLUMN SCHEDULE

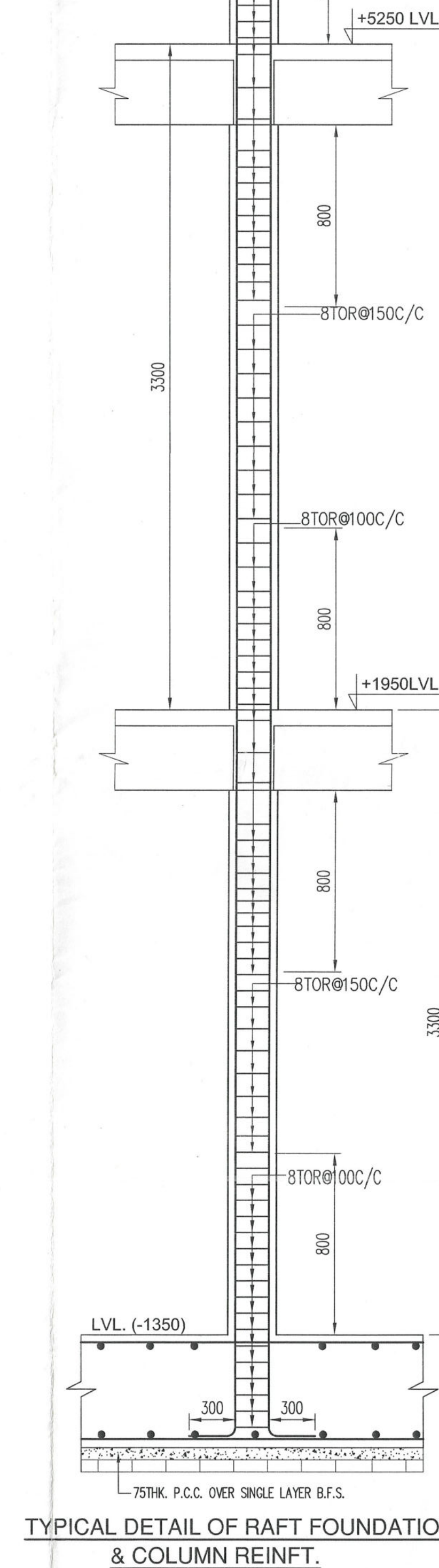
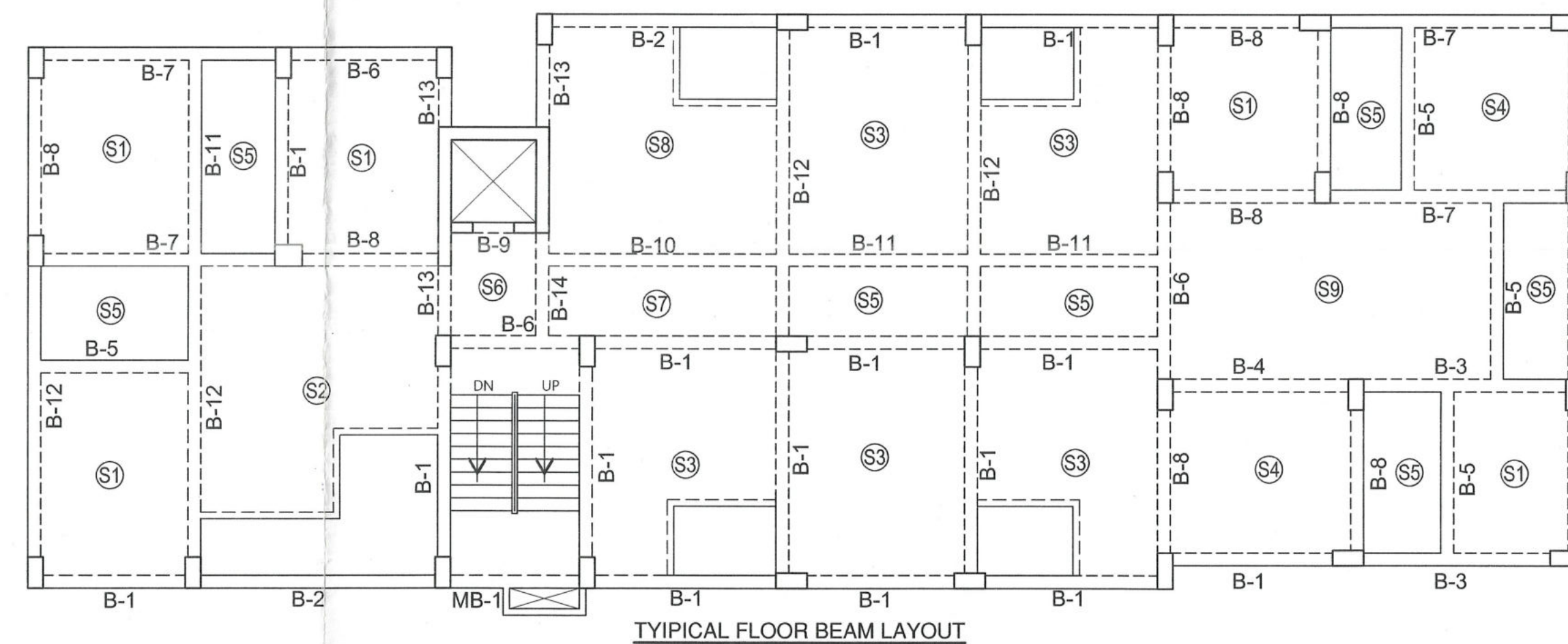
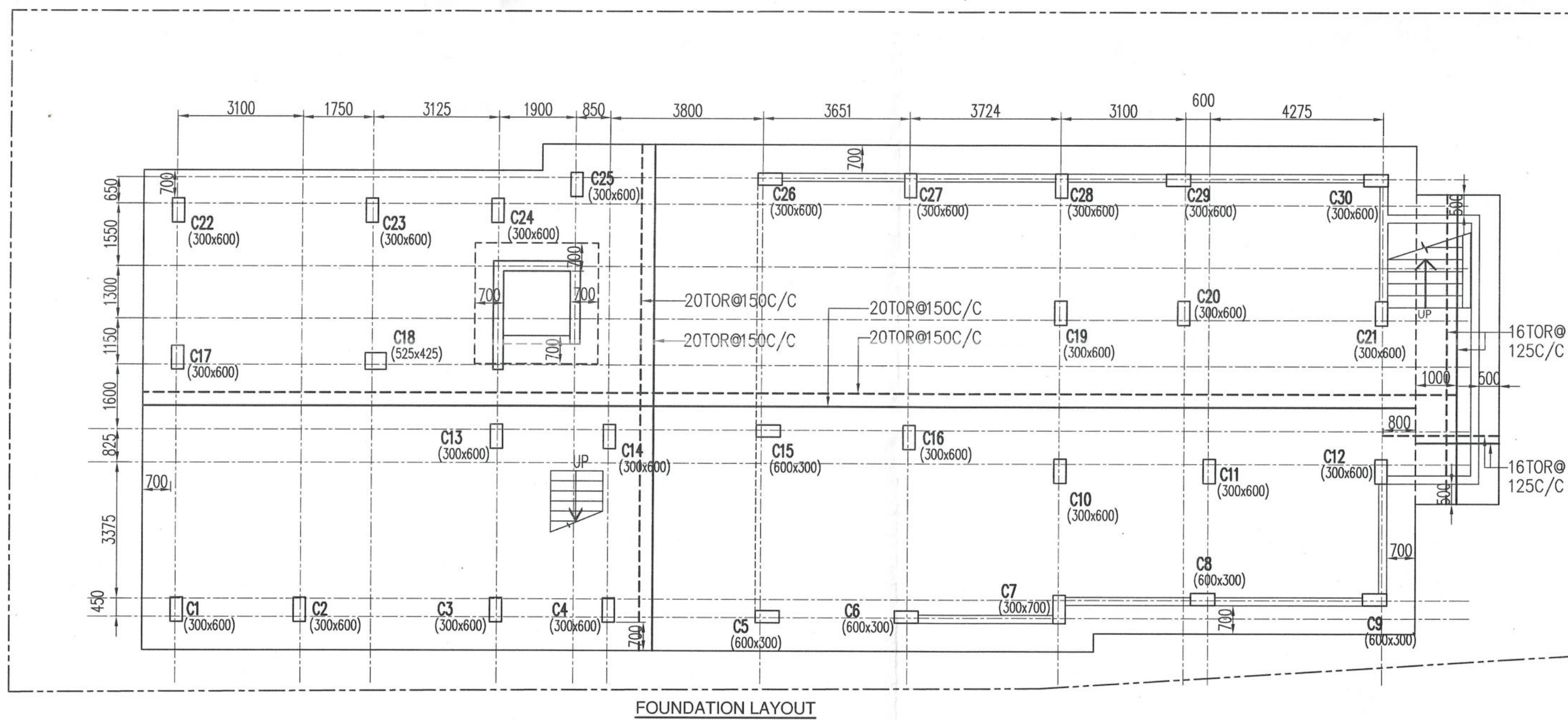
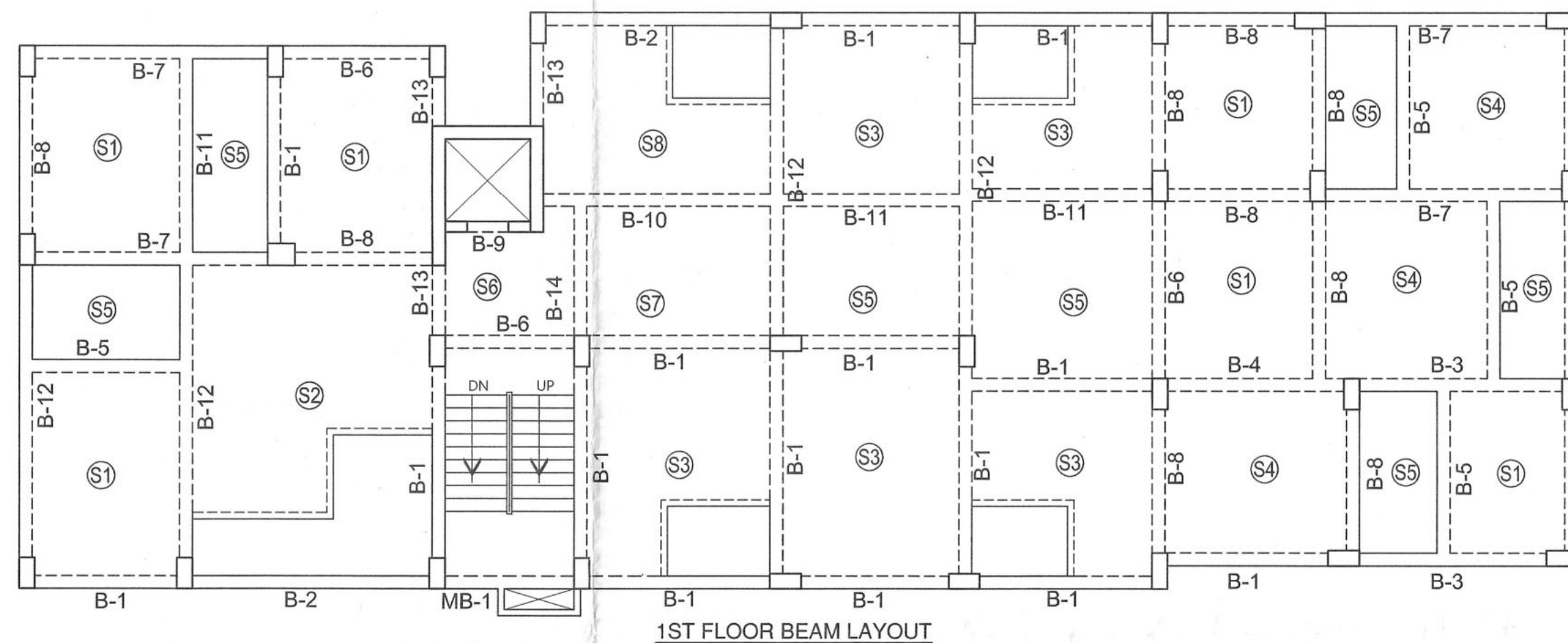
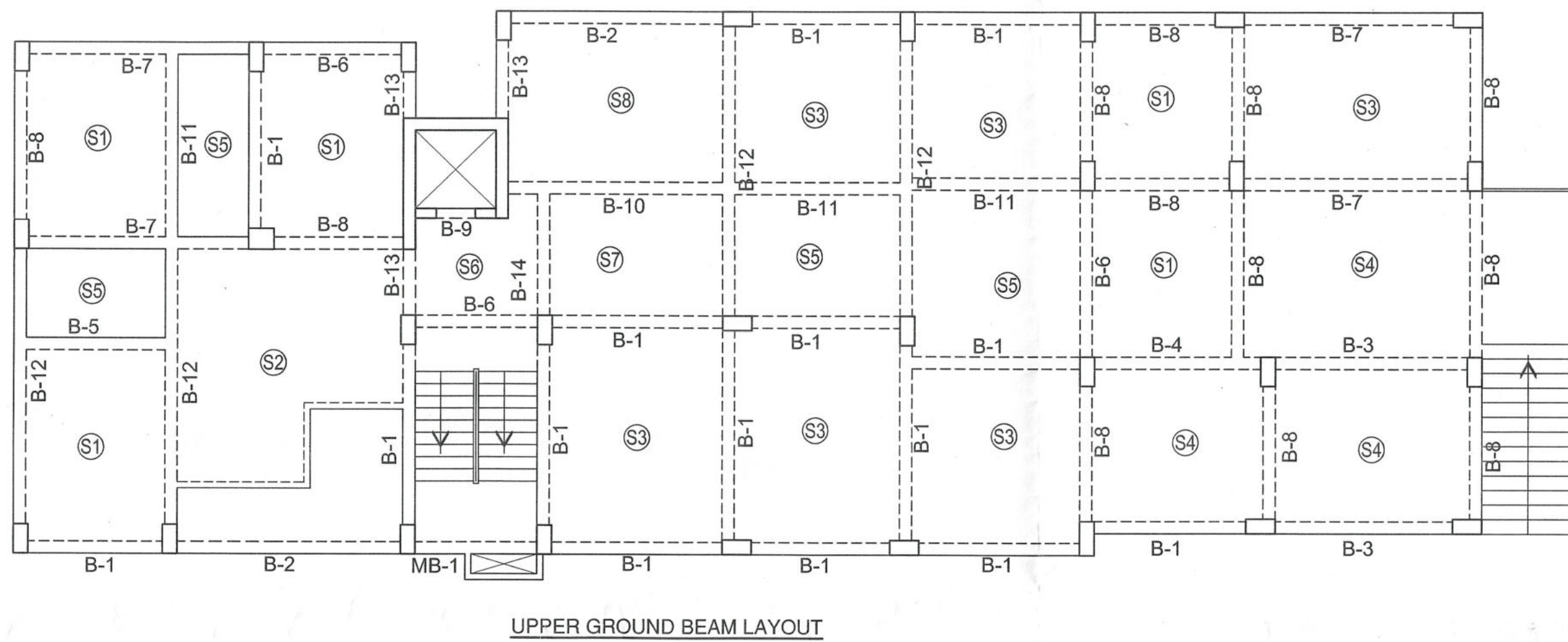
GRADE OF CONCRETE - M25						
3RD FL. LVL. TO ROOF	12-16TOR	4-20TOR+8-16TOR	14-16TOR	14-16TOR	14-16TOR	4-20TOR+8-16TOR
2ND FL. LVL. TO 3RD FL. LVL.	4-20TOR+8-16TOR	6-20TOR+6-16TOR	6-20TOR+8-16TOR	6-20TOR+8-16TOR	4-20TOR+10-16TOR	6-20TOR+6-16TOR
1ST FL. LVL. TO 2ND FL. LVL.	4-20TOR+8-16TOR	12-20TOR	4-25TOR+10-20TOR	14-20TOR	4-20TOR+10-16TOR	12-20TOR
FOUNDATION TO 1ST FL. LVL.	6-20TOR+6-16TOR	12-20TOR	4-25TOR+10-20TOR	14-20TOR	6-20TOR+8-16TOR	12-20TOR
COL SIZE	(300x600)	(300x600)	(300x600)	(300x600)	(300x700)	(525x425)
LINK	8TOR@100C/C & 8TOR@150C/C					
COL MARKED	C1,C2,C3,C4,C5,C6,C8,C9,C13,C22,C23,C24,C25,C29,C30	C10,C11,C12,C17,C26,C27,C28	C15	C14,C16,C19,C20,C21	C7	C18

FLOOR SLAB REINFORCEMENT SCHEDULE GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S2	165	8TOR@100C/C (EXT. TOP) 8TOR@25C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S3	150	8TOR@100C/C (EXT. TOP) 8TOR@25C/C (BOT. ST.)	8TOR@25C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S4	125	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S5	125	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S6	125	8TOR@25C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S7	125	8TOR@100C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S8	150	8TOR@100C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)
S9	125	8TOR@100C/C (EXT. TOP) 8TOR@25C/C (BOT. ST.)	8TOR@150C/C (EXT. TOP) 8TOR@150C/C (BOT. ST.)



TYPICAL DETAILS OF RETAINING WALL



- 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 M25 (1:1:2)
 4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
 5. FOR STEEL GRADE Fe 500 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 & SLAB | 50 | 50 | 50 |
| b. COLUMN | | | 40 |
| c. TIE BEAM. | 30 | 30 | 30 |
| d. FLOOR BEAM. | 30 | 30 | 30 |
| e. FLOOR SLAB. | 20 | 20 | 20 |

PROJECT:-
PROPOSED LOWER GROUND + UPPER GROUND + 3RD. STORED RESIDENTIAL CUM COMMERCIAL BUILDING.

NAME OF OWNERS:
01. SRI. SAROJ CHHETRI
S/O. CHANDRA BAHADUR CHHETRI
02. SMT. SABITRI CHHETRI
W/O. SRI. SAROJ CHHETRI

LOCATION : KADAMTOLA, P.S. MATIGARA, DARJEELING.

LAND SCHEDULE :-
MOUZA - BARAMOHAN SINGH
PARGANA - PATHARGHATA
J.L. NO. - 71
SHEET NO. - 02
TOUZI NO. - 91
PLOT NO. - 686(R.S.), 1224(L.R.)
KHATIAN NO. - 269(R.S.), 10685, 10686 (L.R.)
G.P. - ATTHARAKHAI
BLOCK - MATIGARA
P.S. - MATIGARA
DIST. - DARJEELING

DECLARATION OF OWNER'S:-
I/DO HEREBY DECLARE THAT THE BUILDING PROPOSED FOR CONSTRUCTION SHALL BE SUPERVISED BY THE B.A./L.B.S. SIGNING THE BUILDING PLAN APPLICATION OR IN HIS ABSENCE BY ANY OTHER B.A./L.B.S. OF THE APPROPRIATE CATEGORY AND AS APPROVED BY THE AUTHORITY.

SIGNATURE OF OWNER'S

DECLARATION OF STRUCTURAL ENGINEER
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 RESPECT.
MOREOVER I/WE SHALL BE HELD RESPONSIBLE FOR ANY STRUCTURE DAMAGE/FAILURE HAPPENED DURING CONSTRUCTION PERIOD AND THERE AFTER BEYOND DATE OF TAKING OCCUPANCY CERTIFICATE

Soumen Adak
SOU MEN ADAK
Structural Engineer, Class-1
S.M.C. Engg and Archt.
6-24/1, Mirzan Abbasan,
E.K.T.P. Phase-IV, Kolkata-700107
Mob No.-9331029467
E-mail: soumen_sgs@yahoo.com

SIGNATURE OF STRUCTURAL ENGINEER

DECLARATION OF ARCHITECT /L.B.S. :
CERTIFIED THAT THE PLAN HAS BEEN DESIGNED AND DRAWN UP STRICTLY ACCORDING TO THE NATIONAL BUILDING CODE (NBC) 2016 & RELEVANT AUTHORITY AND I SHALL BE RESPONSIBLE FOR THE SUPERVISION OF THE BUILDING.

SIGNATURE OF ARCHITECT / L.B.S.

VETTING AUTHORITY

VETTED
Dr. Bipesh Majumdar
Dr. Bipesh Majumdar
B.E. (Structure), PhD
Assistant Professor
Department of Construction Engineering
Jadavpur University

DRAWING TITLE
STRUCTURAL SANCTION DRAWING. FOUNDATION, COLUMN, BEAM LAYOUT & SCHEDULE

ARCHITECTS
GREEN ARCHITECTURE CONSULTING ENGINEERS PVT. LTD.

GAICE
F-0108 1ST FLOOR,
CITY CENTRE OFFICE BLOCK,
UTTARA YATON TOWNSHIP,
SILIGURI-734010

CONSULTING ENGINEERS
SGSPRO Consultants Pvt. Ltd.
GA - 96, 2nd Floor,
Rajdanga Main Road
(Opposite - GST Bhawan)
Kolkata - 700107
Ph. No - 9331029467 / 7980860325
E-mail: soumen_sgs@yahoo.com

DRAWN BY- MRINAL	CHECKED BY- S.ADAK	JOB NO. SGSPRO/GACE/2024/29
DATE:- 15.01.2025	SCALE:- 1:100,25	DRG. NO. SGSPRO/GACE/2024/29/CS-01

May be Sanctioned
Architect
Siliguri Mahakuma Parishad

Technically Approved
District Engineer
Siliguri Mahakuma Parishad
Siliguri, Dist. Darjeeling

The Construction of the Building shall be supervised by the Licensed Building Surveyor/Architect saving the plan application. Unless otherwise approved by the Authority the permission shall remain valid for a period of TWO YEARS.
Registration No. 189... Permission Granted/Permission granted subject to the condition as noted in the ORDER. Building plans also to be approved by the Matigara Panchayat Samity, before the proposed construction undertaken.

IDE ORDER NO. 189...MPS
DATE 08/05/2015

Executive Officer
Matigara Panchayat Samity
P.O. Kadamtala, Dist. Darjeeling

Junior Engineer (RWP)
Matigara Development Block
&
Building Plan In Charge
Matigara Panchayat Samity

APPROVED
Executive Officer
Matigara Panchayat Samity
P.O. Kadamtala Dist. Darjeeling