

COLUMN SCHEDULE

GRADE OF CONCRETE - M25

FLOOR	COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6	COL. 7	COL. 8	COL. 9
5TH FLOOR TO ROOF	12-12TOR	6-16TOR+4-12TOR	6-16TOR+6-12TOR	12-16TOR	6-16TOR+6-12TOR	6-16TOR+6-12TOR	6-16TOR+6-12TOR	14-12TOR	
4TH FLOOR TO 5TH FLOOR	6-16TOR+6-12TOR	10-16TOR	12-16TOR	12-16TOR	12-16TOR	6-20TOR+6-16TOR	12-16TOR	6-16TOR+8-12TOR	
2ND FLOOR TO 4TH FLOOR	12-16TOR	6-20TOR+4-16TOR	6-20TOR+6-16TOR	6-20TOR+6-16TOR	6-20TOR+6-16TOR	6-25TOR+6-16TOR	6-20TOR+6-16TOR	10-16TOR+4-12TOR	
FOUNDATION TO 2ND FLOOR LVL.	6-20TOR+6-16TOR	10-20TOR	12-20TOR	12-20TOR	12-20TOR	12-25TOR	12-20TOR	14-16TOR	
LINK DETAILS									
C/S OF COLUMN									
COL. SIZE	300x500	300x500	300x500	300x500	300x550	300x600	300x700	300x775	
LINK	8TOR@100C/C AND 8TOR@150C/C								
COL. MARKED	C1,C7,C27,C31,C32,C35,C14,C19,C20,C25,C26,C34,C36,C37,C40,C41,C42,C44,C46,C47,C48,C49,C51,C52,C53,C55,C56								

FLOOR 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	300	500	2-16TOR+3-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR	8TOR@100C/C	8TOR@200C/C
B2	300	500	2-16TOR+3-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@250C/C
B3	300	500	4-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR+2-12TOR	8TOR@100C/C	8TOR@250C/C
B4	200	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	8TOR@100C/C	8TOR@100C/C
B5	300	500	2-16TOR+1-12TOR	2-20TOR+1-16TOR	2-16TOR+1-12TOR	2-20TOR+3-16TOR	8TOR@150C/C	8TOR@150C/C
B6	200	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	8TOR@100C/C	8TOR@100C/C
B7	300	500	3-16TOR	4-20TOR	3-16TOR	6-20TOR	8TOR@150C/C	8TOR@150C/C
B8	300	500	6-20TOR	4-20TOR	3-16TOR	5-20TOR	10TOR@100C/C	10TOR@250C/C
B9	300	500	3-16TOR	2-16TOR+1-12TOR			10TOR@100C/C	10TOR@100C/C
B10	300	500	4-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C
B11	300	500	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@200C/C	8TOR@200C/C
B12	125	500	4-16TOR	2-16TOR	2-16TOR	2-16TOR	8TOR@100C/C	8TOR@150C/C
B13	300	500	3-20TOR+3-16TOR	3-20TOR	3-16TOR	3-20TOR+2-16TOR	10TOR@100C/C	10TOR@250C/C
B14	300	500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@100C/C
B15	300	500	4-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C
B16	300	500	2-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR	8TOR@200C/C	8TOR@200C/C
B17	125	500	2-16TOR+2-12TOR	2-16TOR+2-12TOR	2-16TOR+2-12TOR	2-16TOR+2-12TOR	8TOR@100C/C	8TOR@100C/C
B18	300	500	3-12TOR	2-16TOR+1-12TOR	3-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@100C/C
B19	300	500	4-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	5-16TOR	8TOR@100C/C	8TOR@150C/C
B20	300	500	3-12TOR	3-16TOR	3-12TOR	3-16TOR	8TOR@200C/C	8TOR@200C/C
B21	300	500	4-16TOR+1-12TOR	3-16TOR	2-16TOR+1-12TOR	3-16TOR+2-12TOR	8TOR@100C/C	8TOR@150C/C
MB1	300	500	2-16TOR+3-12TOR	2-16TOR+3-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@100C/C	8TOR@150C/C

FLOOR SLAB SCHEDULE

GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8TOR@400C/C BOTTOMST. 8TOR@400C/C BOTTOMCKD.	8TOR@400C/C BOTTOMST. 8TOR@400C/C BOTTOMCKD.
S2	125	8TOR@300C/C ST. 8TOR@300C/C CKD.	8TOR@400C/C ST. 8TOR@400C/C CKD.
S3	150	10TOR@125C/C (TOP.) 8TOR@200C/C (BOTTOM.)	8TOR@225C/C (TOP.) 8TOR@225C/C (BOTTOM.)
S4	150	10TOR@250C/C ST. 10TOR@250C/C CKD.	8TOR@400C/C ST. 8TOR@400C/C CKD.
S5	150	10TOR@300C/C ST. 10TOR@300C/C CKD.	8TOR@450C/C ST. 8TOR@450C/C CKD.
S6	115	8TOR@400C/C ST. 8TOR@400C/C CKD.	8TOR@450C/C ST. 8TOR@400C/C CKD.
S7	125	8TOR@300C/C ST. 8TOR@300C/C CKD.	8TOR@400C/C ST. 8TOR@400C/C CKD.
S8	165	10TOR@300C/C ST. 10TOR@300C/C CKD.	10TOR@300C/C ST. 10TOR@300C/C CKD.
S9	150	10TOR@300C/C ST. 10TOR@300C/C CKD.	8TOR@400C/C ST. 8TOR@400C/C CKD.
S10	150	8TOR@300C/C ST. 8TOR@300C/C CKD.	8TOR@400C/C ST. 8TOR@400C/C CKD.

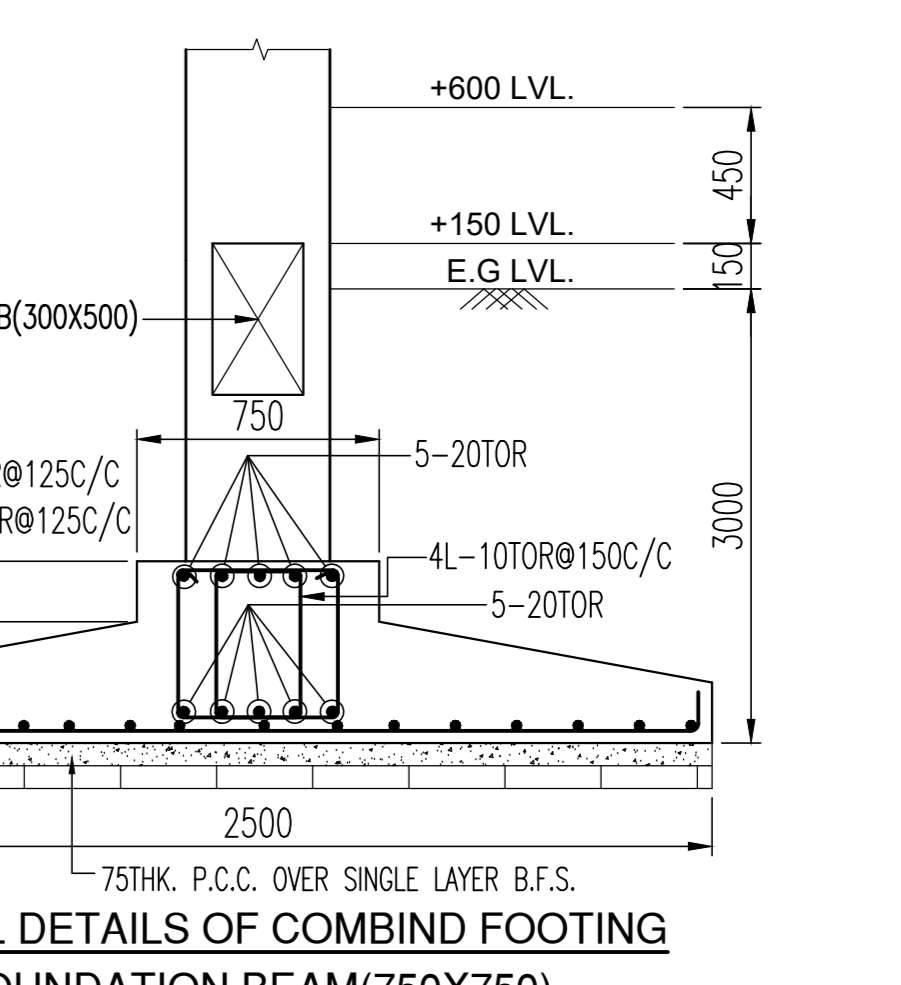
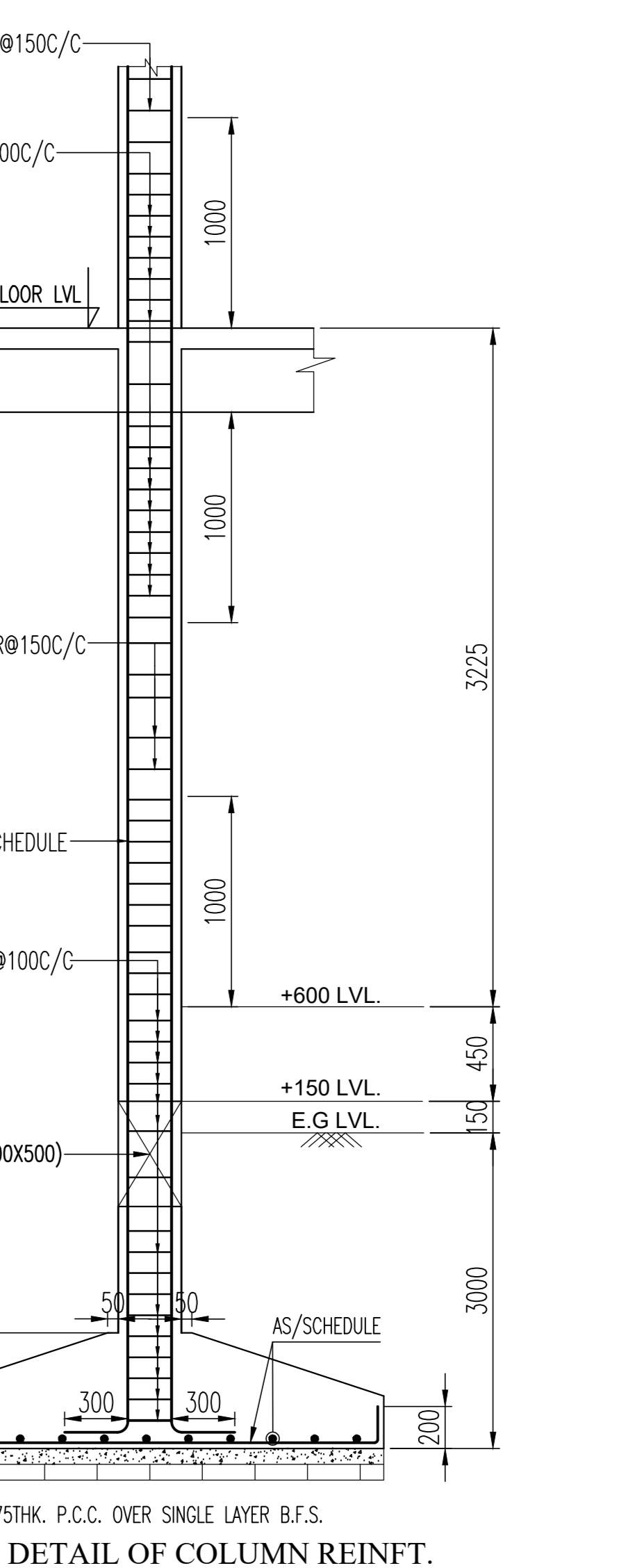
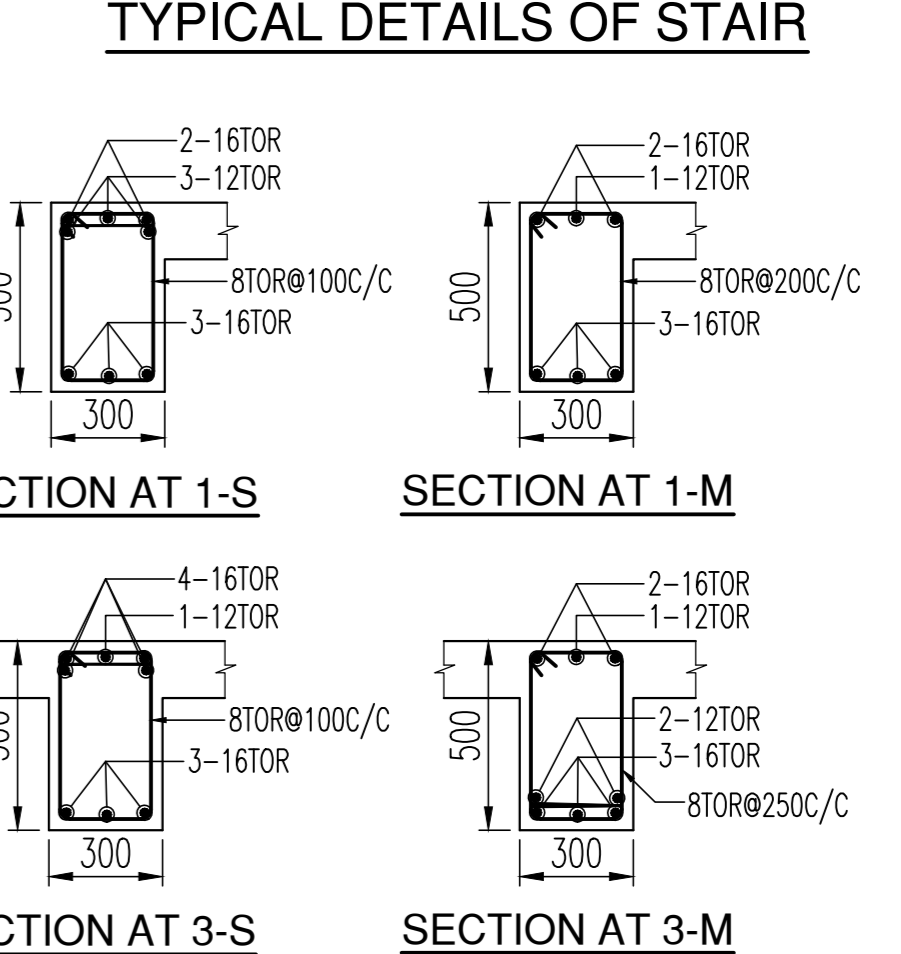
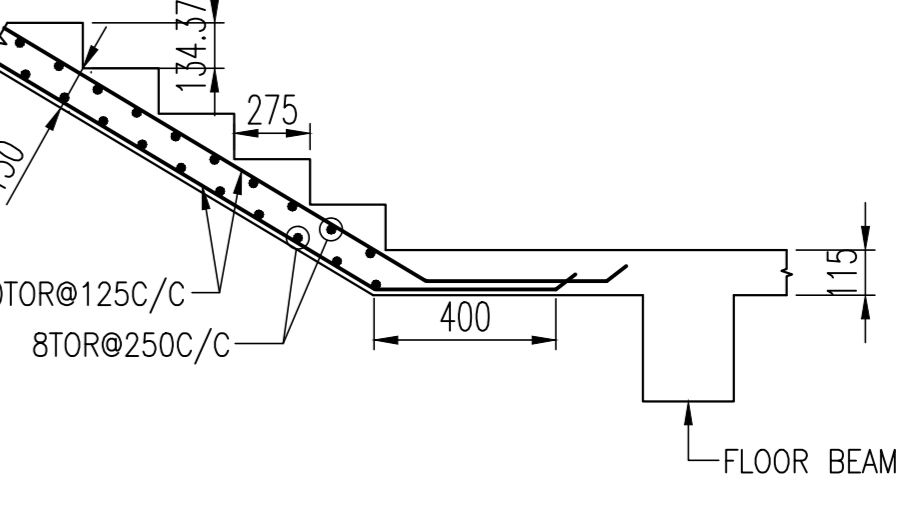
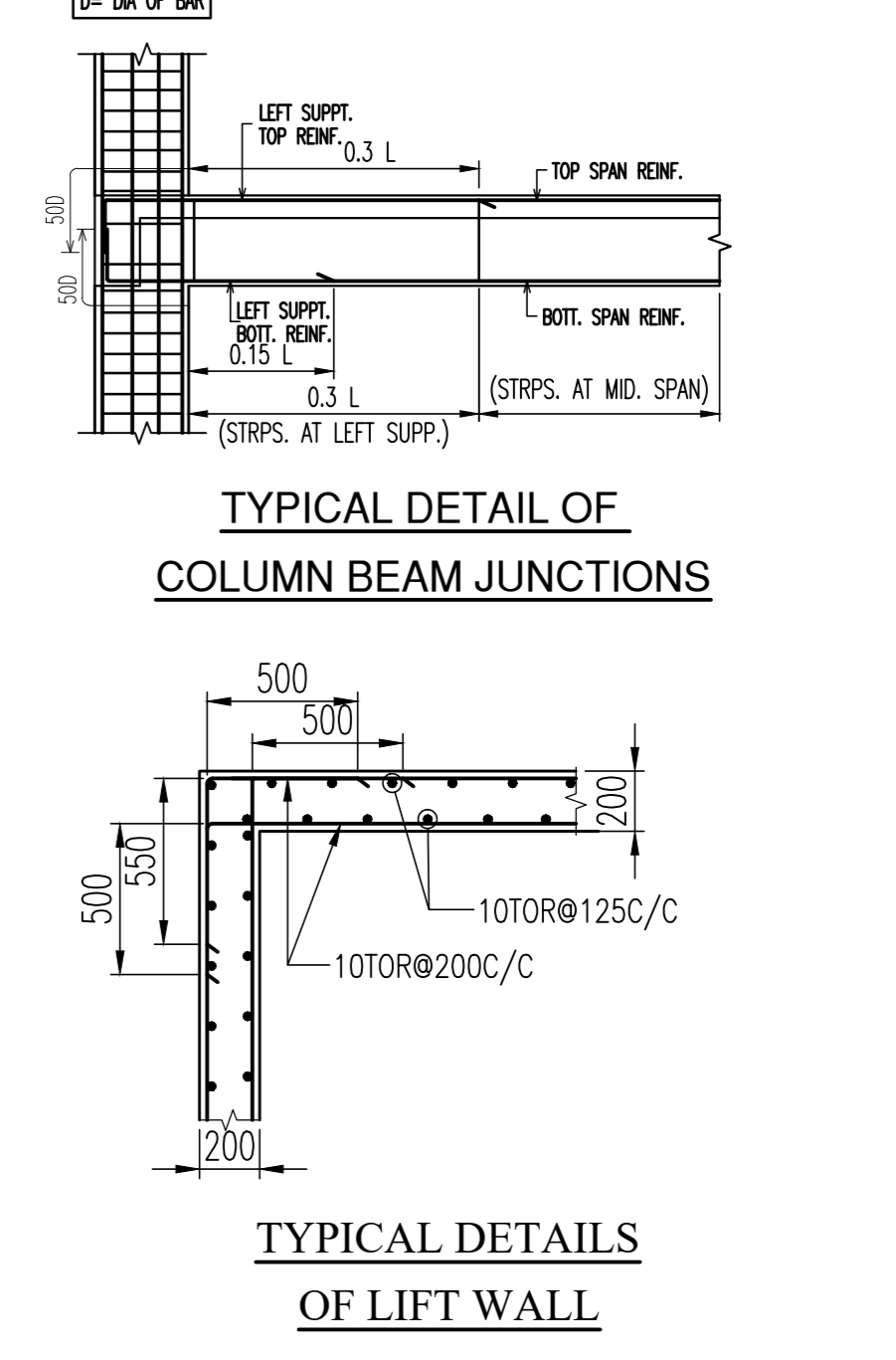
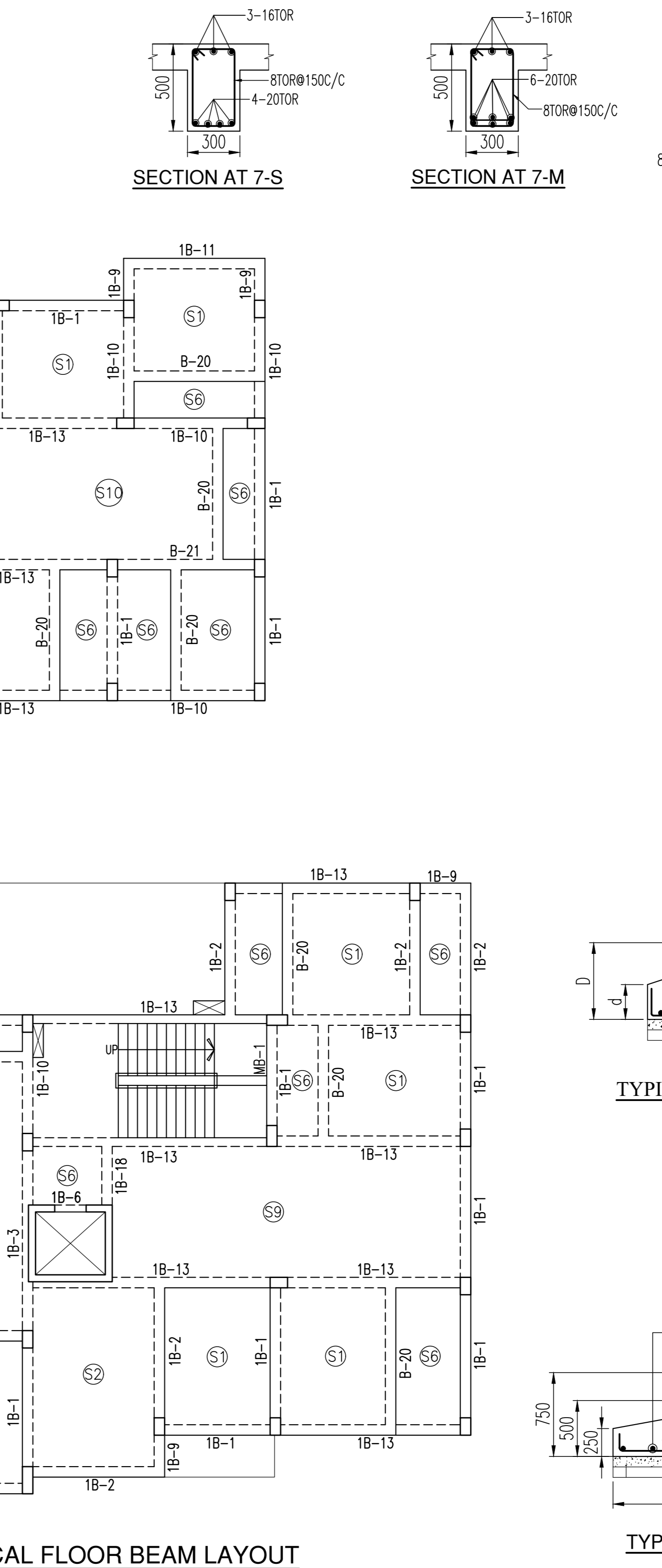
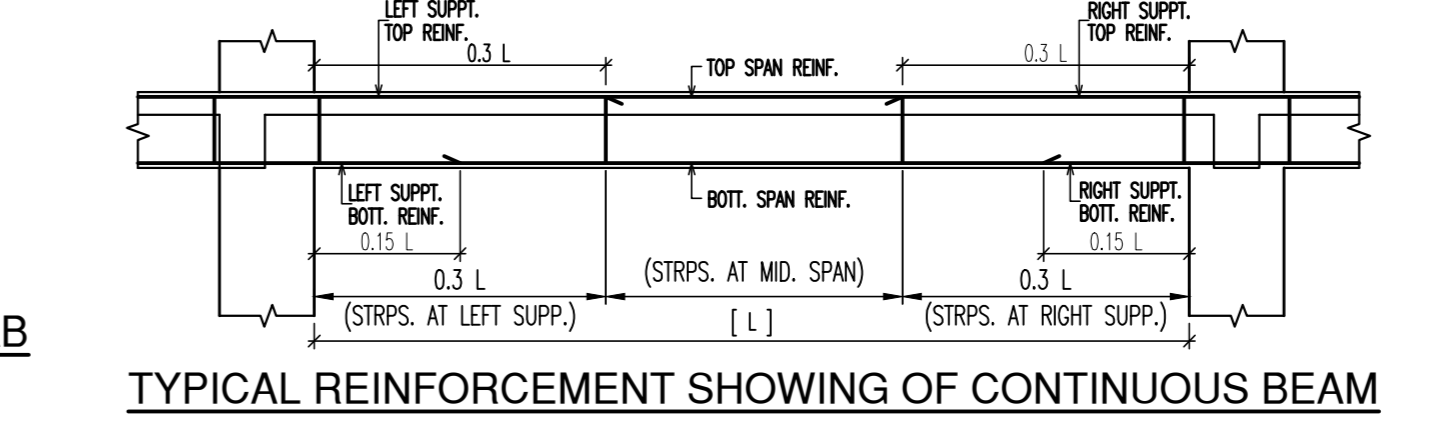
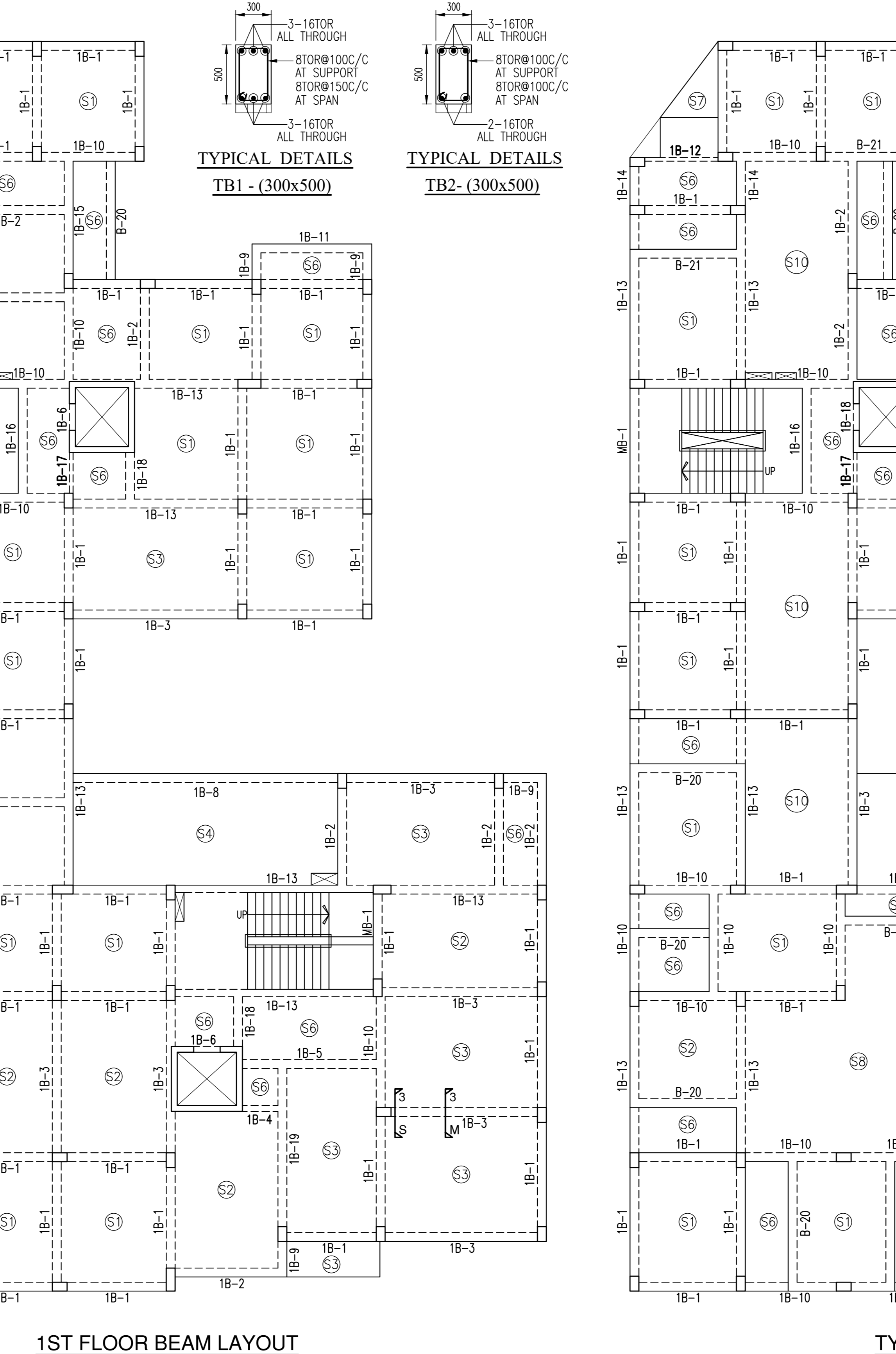
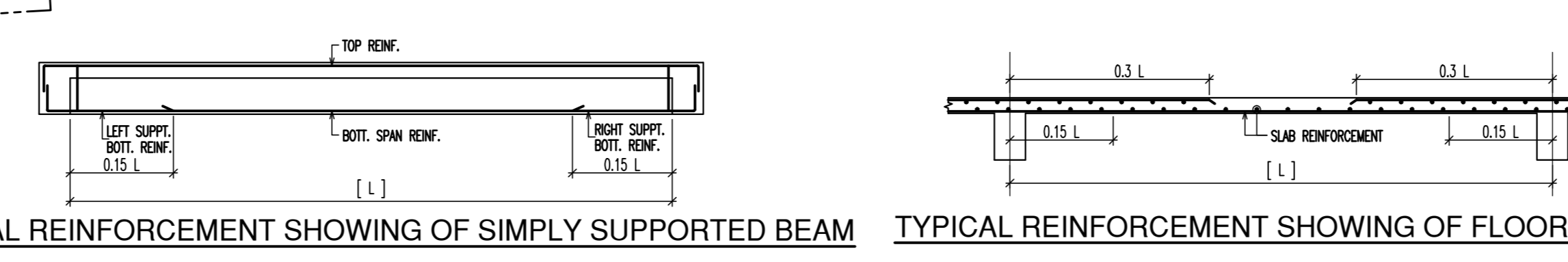
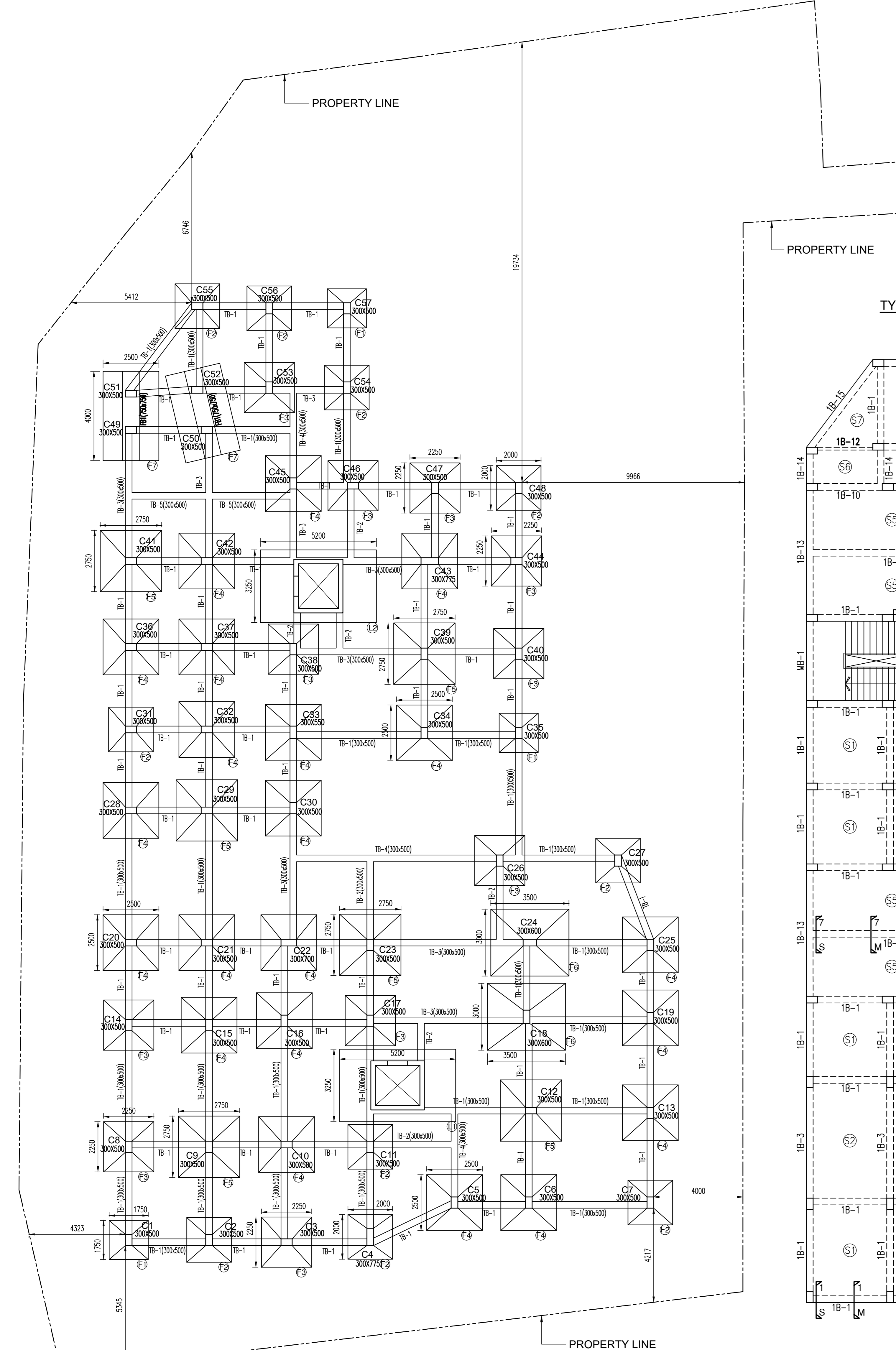
TIE BEAM SCHEDULE

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		
TB1	300	500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C
TB2	300	500	3-16TOR	3-16TOR	2-16TOR	2-16TOR	8TOR@100C/C	8TOR@100C/C
TB3	300	500	5-16TOR	5-16TOR	3-16TOR	3-16TOR	8TOR@100C/C	8TOR@150C/C
TB4	300	500	6-16TOR	3-20TOR	3-16TOR	3-20TOR+2-16TOR	8TOR@100C/C	8TOR@150C/C
TB5	300	500	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	2-16TOR+1-12TOR	8TOR@150C/C	8TOR@150C/C
FB1	750	750	5-20TOR	5-20TOR	5-20TOR	5-20TOR	4L-10TOR@150C/C	4L-10TOR@150C/C

SCHEDULE OF COLUMN FOOTINGS (CONC.GR. M25)

FOOTING MKD.	SIZE	THICKNESS	REINFORCEMENT AT SHORTER DIRECTION (b)		REINFORCEMENT AT LONGER DIRECTION (a)	
			D	d	b	a
F1	1750x1750	500	250	12TOR@125C/C	12TOR@125C/C	12TOR@125C/C
F2	2000x2000	500	250	12TOR@100C/C	12TOR@100C/C	12TOR@100C/C
F3	2250x2250	600	300	12TOR@100C/C	12TOR@100C/C	12TOR@100C/C
F4	2500x2500	750	375	12TOR@100C/C	12TOR@100C/C	12TOR@100C/C
F5	2750x2750	750	375	16TOR@150C/C	16TOR@150C/C	16TOR@150C/C
F6	3000x3500	900	450	16TOR@150C/C	16TOR@125C/C	16TOR@125C/C
F7	3250x4000	500	250	12TOR@125C/C	10TOR@200C/C	10TOR@200C/C
L1	3250x5200	750	250	12TOR@125C/C(TOP) 12TOR@125C/C(BOTTOM)	16TOR@125C/C(TOP) 16TOR@125C/C(BOTTOM)	16TOR@125C/C(TOP) 16TOR@125C/C(BOTTOM)



NOTES:-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- ALL GRADE OF CONCRETE : M25 OR M30
- ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
- FOR STEEL GRADE Fe 500 AS PER I.S. 1786-2008.
- LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
- FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- 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
d. FLOOR BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20
f. PILE			50
f. PILE CAP	50	50	50

DECLARATION BY OWNER
 I DO HEREBY DECLARE THAT THE BUILDING PROPOSED FOR CONSTRUCTION SHALL BE SUPERVISED BY THE LBA / LBS UNLESS THE BUILDING PLAN APPLICATION OR IN HIS ABSENCE BY ANY OTHER LBA/LBS OF THE APPROPRIATE CATEGORY AND AS APPROVED BY THE AUTHORITY.

DECLARATION BY OWNER
 I DO HEREBY DECLARE THAT THE BUILDING PROPOSED FOR CONSTRUCTION SHALL BE SUPERVISED BY THE LBA / LBS UNLESS THE BUILDING PLAN APPLICATION OR IN HIS ABSENCE BY ANY OTHER LBA/LBS OF THE APPROPRIATE CATEGORY AND AS APPROVED BY THE AUTHORITY.

SIGNATURE OF OWNER

DECLARATION BY L.B.S./L.B.A.
 I DO HEREBY CERTIFY THAT THE PLANS, ELEVATION AND SECTIONS AND OTHER STRUCTURAL DETAIL OF THE PROPOSED BUILDING ON PLOT NO. - 9617 & 9618 (R.S), 9619 (P.A.S) DEVELOPERS, UNDER THE JURISDICTION OF SILIGURI MUNICIPAL CORPORATION HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WESTBENGLAL MUNICIPAL BUILDING RULES 2007. THIS ALSO TO CERTIFY THAT ALL RELEVANT NO OBJECTION CERTIFICATES FROM THE RESPECTIVE AUTHORITIES SUCH AS FIRE AND EMERGENCY SERVICES DEPARTMENT, AIRPORT AUTHORITY, POLLUTION CONTROL BOARD, TELECOMMUNICATION DEPARTMENT, ETC. AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEAKING OF THE PLAN TO CONSTRUCT/RE-CONSTRUCT/ADDITION TO ALTERATION ON THE SAID PLOT.

SIGNATURE OF L.B.S.

DECLARATION BY GEO-TECH./STRUC. ENGINEER
 I DO HEREBY CERTIFY THAT THE FOUNDATION AND THE SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PLOT NO. - 9617 & 9618 (R.S), 9619 (P.A.S) DEVELOPERS, UNDER JURISDICTION OF THE SILIGURI MUNICIPAL CORPORATION, HAVE BEEN PERSONALLY INSPECTED BY ME AND WILL MAKE SUCH FOUNDATION AND SUPERSTRUCTURE IS SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF THE BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS. IF ANY CONFORMING TO ALL STIPULATION OF ALL RELEVANT IS CODE OF PRACTICE & NATIONAL BUILDING CODE OF INDIA.

SIGN. OF STRUCTURAL ENGG.
 Soumen Adak
 Structural Engineer Class-1
 SMC, Empanel No.- 24

PROJECT
 PROPOSED GROUND (PARTLY SHOP & PARKING)
 + 5 SOTRIED STORIED RESIDENTIAL CUM
 COMMERCIAL BUILDING AT GURU NANAK SARANI
 PANJABI PARA, BY LANE SAVOKE ROAD,
 SILIGURI (W.B.)

TITLE
 STRUCTURAL CORPORATION DRAWING

Subrata Majumder
 Consultant Planner

Majumder & Associates
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S.G.S. CONSULTANTS

DRG. NO.
 SCS/SUBRATA/2022/04

ECKED BY
 DRG. NO.
 SCS/SUBRATA/2022/04/CS-01