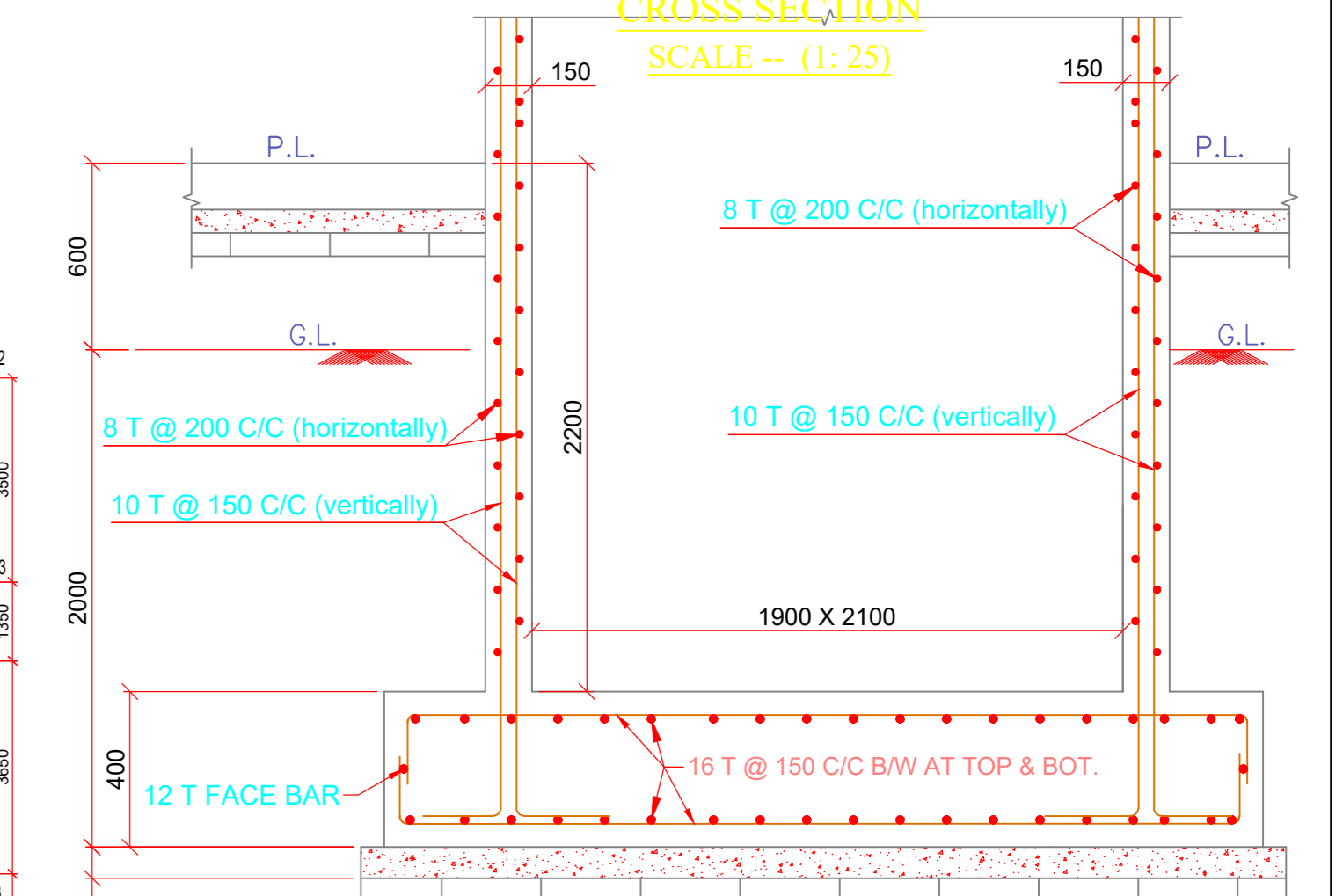


DETAILS OF BEAMS (B1)

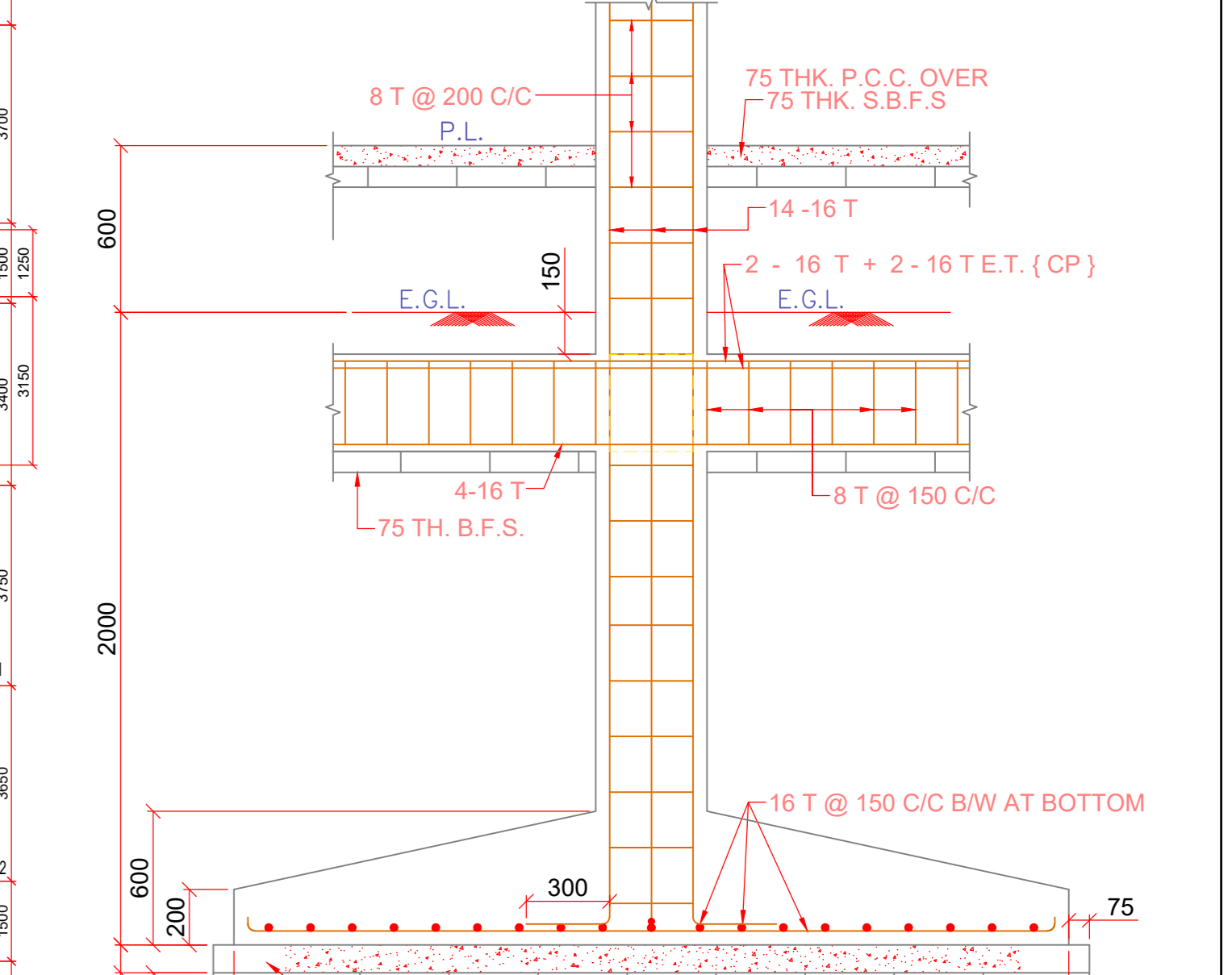
CROSS SECTION

SCALE = (1:25)



TYP. SECTION

SCALE = (1:25)



TYP. DETAILS SECTION OF FOOTING -F1

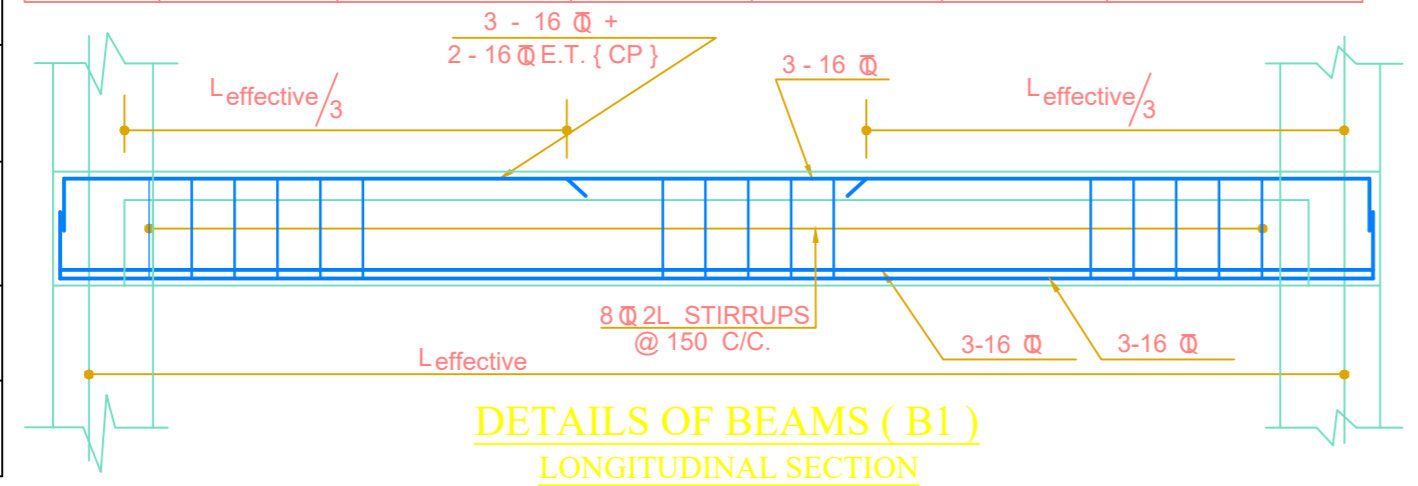
SCALE=1:25

FT. MKD	TYPE OF FOUNDATION	UNDER COLUMN	SIZE (MM)	DEPTH (MM)	REINFORCEMENT
F1	ISOLATED FOOTING	C2, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71.	2700x2700	200 TO 600 THK.	16 T @ 150 C/C (B/W) AT BOTTOM
F2	ISOLATED FOOTING	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71.	2200x2200	200 TO 500 THK.	12 T @ 125 C/C (B/W) AT BOTTOM
F3	ISOLATED FOOTING	C51 & C52	2500x2500	200 TO 550 THK.	12 T @ 140 C/C (B/W) AT BOTTOM
F4	COMBINED FOOTING	C49-LIFTWELL	5550x4000	400 THK.	16 T @ 150 C/C (B/W) AT TOP & BOTTOM
F5	COMBINED FOOTING	C30-C31-LIFTWELL	5200x3750	400 THK.	16 T @ 150 C/C (B/W) AT TOP & BOTTOM
F6	ISOLATED FOOTING	SH1, SH2 & SH3	2800x3500	600 THK.	16 T @ 100 C/C (B/W) AT TOP & BOTTOM
F7	ISOLATED FOOTING	SH4 & SH5	2400x2800	600 THK.	16 T @ 100 C/C (B/W) AT TOP & BOTTOM
F8	ISOLATED FOOTING	SH6	5000x3000	650 THK.	16 T @ 100 C/C (B/W) AT TOP & BOTTOM
F9	ISOLATED FOOTING	C38 & C39	2400x2400	200 TO 550 THK.	12 T @ 125 C/C (B/W) AT BOTTOM
F10	ISOLATED FOOTING	C25, C35, C37, C40, C44, C47, C50, C53, C54 & C60	3000x3000	200 TO 650 THK.	16 T @ 125 C/C (B/W) AT BOTTOM

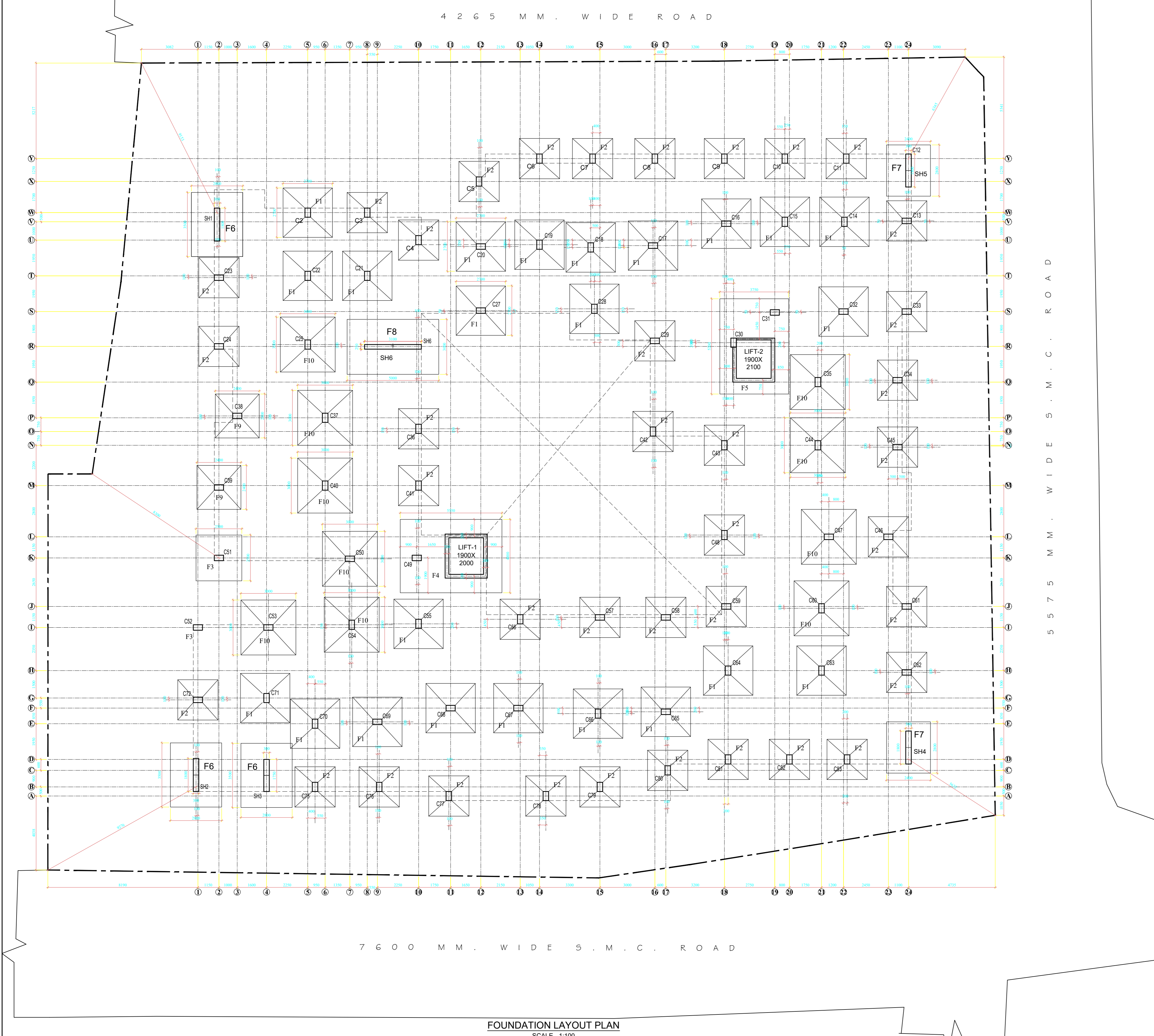
COL. MKD.	SIZE	REINFORCEMENT SUPPORT		REINFORCEMENT SPAN		REMARKS	GR. MKD.	COLUMN MARKED	REINFORCEMENT	
		TOP	BOTTOM	TOP	BOTTOM				UPTO 3RD FLOOR	BEYOND THAT
B1	250 X 400	3-16 @ 2-16 @ E.T. (C.P)	6-16 @	3-16 @	6-16 @		GR-I	C14, C15, C16, C17, C18, C19, C21, C22, C23, C28, C29, C30, C31, C32, C33, C38, C39, C40, C41, C43, C44, C47, C48, C49, C55, C56, C57, C58, C59, C60, C63, C64, C65, C66, C67, C68, C69, C70, C71.	14-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 6-12 @ 8 @ TIES @ 200 C/C
B2	250 X 350	2-16 @ 2-16 @ E.T. (C.P)	4-16 @	2-16 @	4-16 @		GR-II	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
B3	250 X 300	2-12 @ 2-12 @ E.T. (C.P)	3-12 @	2-12 @	3-12 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
B4	250 X 450	3-16 @ 2-16 @ E.T. (C.P)	7-16 @	3-16 @	7-16 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
B5	250 X 500	3-20 @ 2-16 @ E.T. (C.P)	5-20 @	3-20 @	5-20 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
BC	250 X 450	8-16 @	6-16 @	8-16 @	6-16 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
CB	250 X 140	4-16 @	4-16 @	4-16 @	4-16 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
TB	250 X 350	2-16 @ 2-16 @ E.T. (C.P)	3-16 @	2-16 @	3-16 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C
TB1	250 X 400	2-16 @ 2-16 @ E.T. (C.P)	4-16 @	2-16 @	4-16 @		GR-III	C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C20, C23, C27, C28, C34, C38, C39, C40, C46, C50, C53, C54, C62, C72, C75, C76, C77, C78, C79, C80, C81, C82, C83.	10-16 @ 8 @ TIES @ 200 C/C	8-16 @ + 12 @ 8 @ TIES @ 200 C/C

SLAB MKD.	THICKNESS	REINFORCEMENT	REMARKS
S1	115 MM	8 T @ 150 C/C BOTHWAYS AT BOTTOM 8 T @ 150 C/C EXTRA TOP OVER SUPPORT 8 T @ 200 C/C FOR BINDER	
S2	140 MM	8 T @ 150 C/C BOTHWAYS AT TOP & BOTTOM	

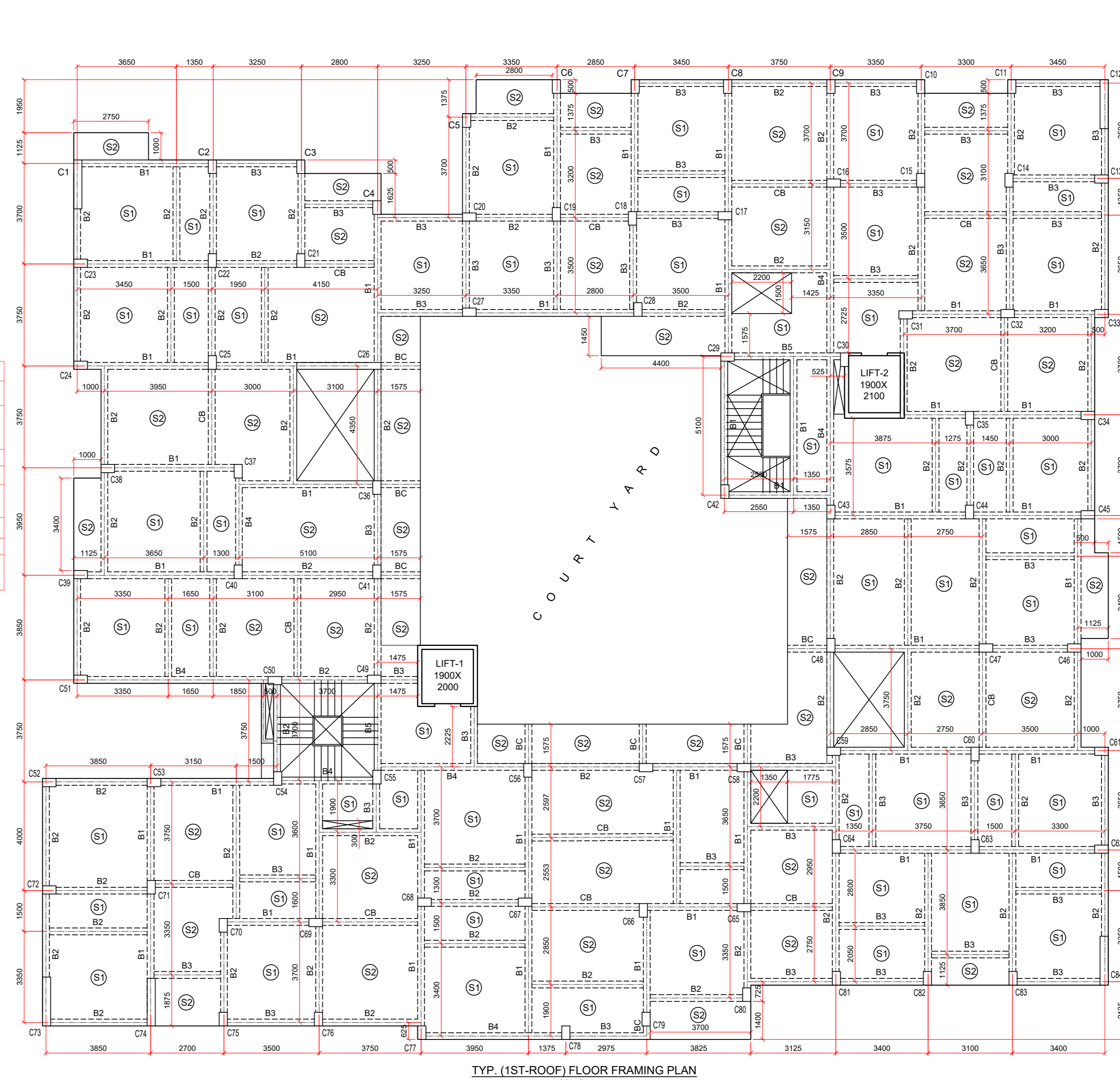
WALL THICKNESS	REINFORCEMENT	REM.
150 mm & 200 mm	10 @ 150 C/C BOTH FACE ALONG VERTICAL DIRECTION 8 @ 200 C/C B/W BOTH FACE ALONG HORIZONTAL DIRECTION	



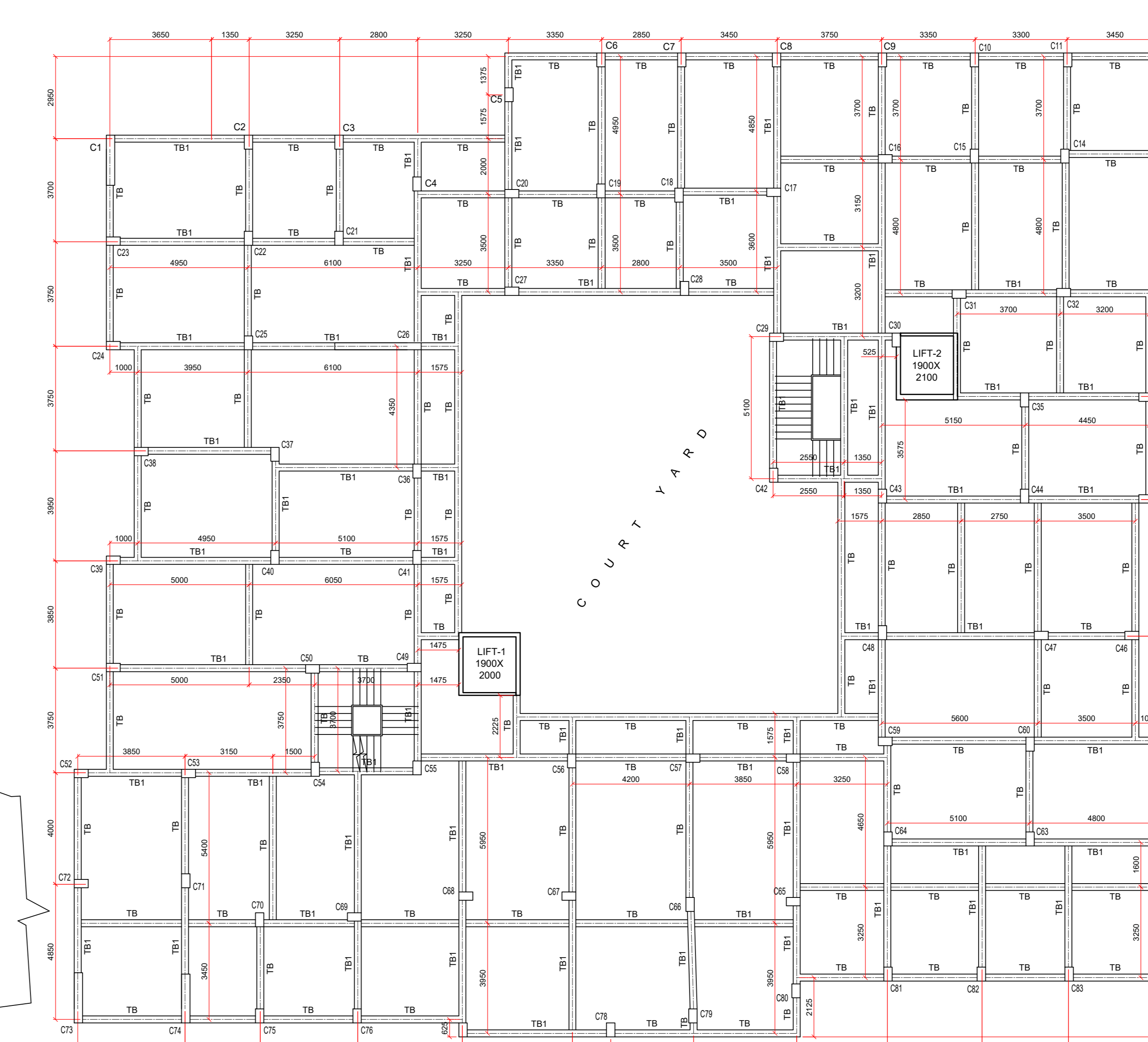
DETAILS OF BEAMS (B1)  
LONGITUDINAL SECTION  
SCALE = (1:25)



FOUNDATION LAYOUT PLAN  
SCALE=1:100



TYP. (1ST-ROOF) FLOOR FRAMING PLAN  
SCALE=1:100



THE BEAM LAYOUT PLAN  
SCALE=1:100

SIGNATURE OF CONSULTANT SIGNATURE OF OWNER

NOTES :-	
1.	ALL DIMENSIONS AND LEVELS ARE IN MM UNLESS OTHERWISE STATED.
2.	(± 0.0) LEVEL CORRESPONDS TO FINISHED GROUND LEVEL AND ROAD CROWN LEVEL.
3.	LAP LENGTH / DEVELOPMENT LENGTH / BOND LENGTH OF REIN. SHALL BE 50 - (dia OF REINFORCEMENT) (LARGER IF ANY).
4.	CLEAR COVER TO MAIN REIN. SHALL BE AS FOLLOWS - (1) for slab 20 mm (bottom) & 25 mm (top) (2) for beams 25 mm. (3) for columns 40 mm. (4) for foundations 75 mm.
5.	ALL STRUCTURAL CONC. GRADE SHALL BE M-25 (1:1:2) BY VOLUME UNLESS OTHERWISE STATED.
6.	REINFORCEMENT SHALL BE OF Fe-500 GRADE CONFORMING TO B.I.S. 1786 WITH UP TO DATE AMENDMENT.
7.	READ THIS DRAWING IN CONNECTION WITH THE ARCHITECTURAL DRAWING.
8.	FOR ANY DISCREPANCY CONCERNED, OUR SITE ENGINEER SHALL BE CONSULTED WITH.
9.	COLUMN LINKS SHALL BE PLACED CONTINUOUS THROUGH BEAM-COLUMN JOINT BUT STIRRUPS SHALL BE STARTED FROM THE COLUMN FACE ONLY.
10.	LEVEL SHOWN ALONG WITH THE SLAB & BEAM MARKINGS DENOTES THE TOP LEVEL OF SLABS & BEAMS.
11.	EXTRA TOP BARS OVER SUPPORT FOR BEAMS & SLABS SHOULD BE PROVIDED UP TO (L/3) FROM SUPPORT FACE CONSIDERING (L) AS C/C DISTANCE BETWEEN THE SUPPORTS.
12.	REGION IS FIRMS MUST BE MIXED WITH M-25 CONCRETE 0.2% BY WEIGHT OF CEMENT.
13.	THE BEAM MUST BE CAST OVER B.F.S. OVER COMPACTED EARTH.

SUB. REV. NO.	DESCRIPTION	K. H. SUB. BY	DATE	02/01/23	AKD	AKD
01	NEW DRAWING SUBMISSION					

BUILDING TYPE :- RESIDENTIAL BUILDING

PURPOSE :-

TITLE :- FOUNDATION & TIE BEAM LAYOUT PLAN, FLOOR FRAMING PLAN, DETAIL OF PILE, COLUMN, BEAM, SLAB, LIFT, STAIR, ETC.

SUBJECT :- STRUCTURAL DRAWING

PROJECT :-

PROPOSED (G+V) STD. (20.00 M) HT. RESIDENTIAL CUR COMMERCIAL BUILDING AT MOUZA-DABGRAM, J. L. NO. - 02, R.S. KHATIAN NO. - 319, 320, 150, L.R. KHATIAN NO. - 150, R.S. PLOT NO. - 558, 559, 480, L.R. PLOT NO. - 40(P)/41, SHEET NO. - 8(R,S), 40(L,R), POLICE STATION - BHAKTINAGAR, DISTRICT - JALPAIGURI.

DECLARATION OF STRUCTURAL ENGINEER

I hereby certify that the foundation and superstructure of the building proposed for construction on plot no : 558, 559, 480 (R.S.), 40(P)/41 (L.R.) Street - Tiranga More, Shastri Nagar under the jurisdiction of Siliguri Municipal Corporation Ward No. 40 have been personally inspected and so designed by me will make such foundation and superstructure safe in all respect including the consideration of bearing capacity and settlement of soil and other conditions, if any, conforming to all stipulations of all relevant IS Code of practice and National Building Code.

Gautam Deb  
Structural Designer/II-6/SMC  
Ph: 9064760643