

**FOOTING SCHEDULE (M25:Fe500)**

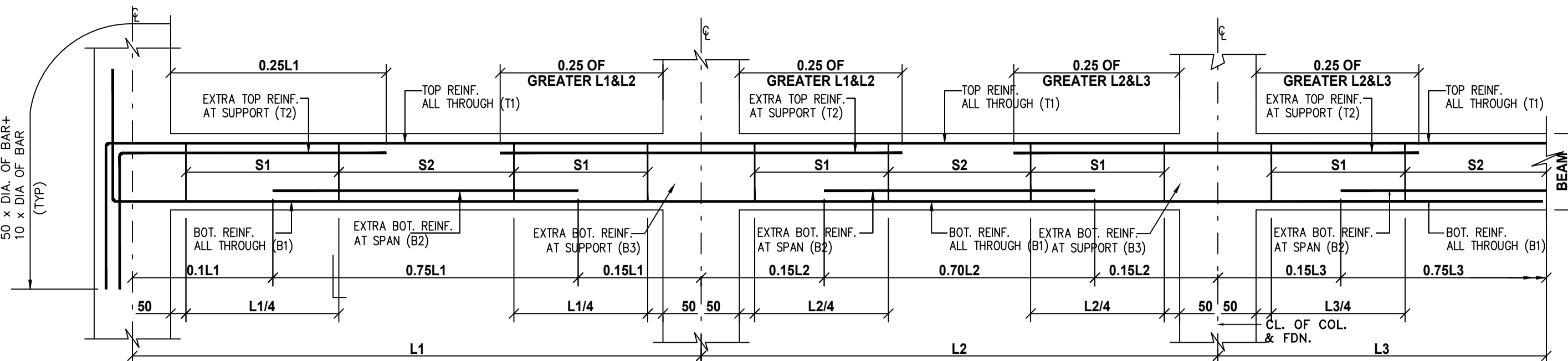
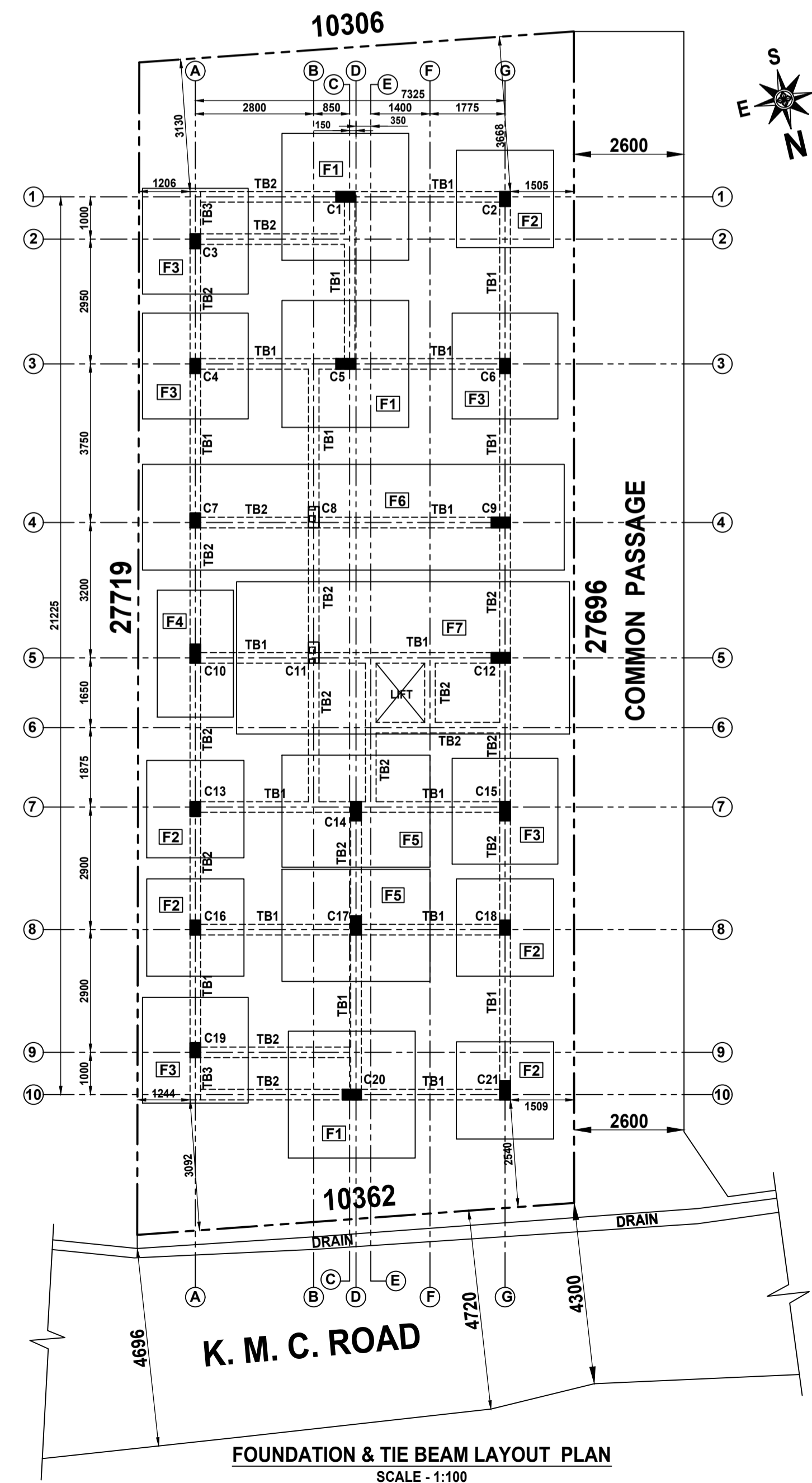
FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION				FOOTING REINFORCEMENT	
			L	B	D1	D	BOTTOM	
			ALONG B	ALONG L				
F1	C1,C5,C20	SLOPED	3000	3000	250	400	T12@125 C/C	T12@125 C/C
F2	C2,C13,C16,C18,C21	SLOPED	2300	2300	200	350	T12@150 C/C	T12@150 C/C
F3	C3,C4,C6,C15,C19	SLOPED	2500	2500	225	400	T12@150 C/C	T12@150 C/C
F4	C10	SLOPED	3000	1800	200	350	T12@100 C/C	T12@125 C/C
F5	C14,C17	SLOPED	3500	2650	225	400	T12@125 C/C	T12@125 C/C
F6	C7+C8+C9	COMBINED	9975	2500	400	400	T12@150 C/C	T12@150 C/C
F7	C11+C12	COMBINED	7875	3600	400	400	T16@100 C/C	T16@150 C/C
							TOP & BOTTOM BOTH LAYERS	

**BEAM SCHEDULE (M25:Fe500)**

BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR STIRRUPS	
		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
S1	250 X 350	3-T16	+ 2-T16	3-T16	+ 2-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C

**TIE BEAM SCHEDULE (M25:Fe500)**

BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	
		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SUPPORT	SPAN
TB1	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C
TB2	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C
TB3	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C



**COLUMN SCHEDULE (M25:Fe500)**

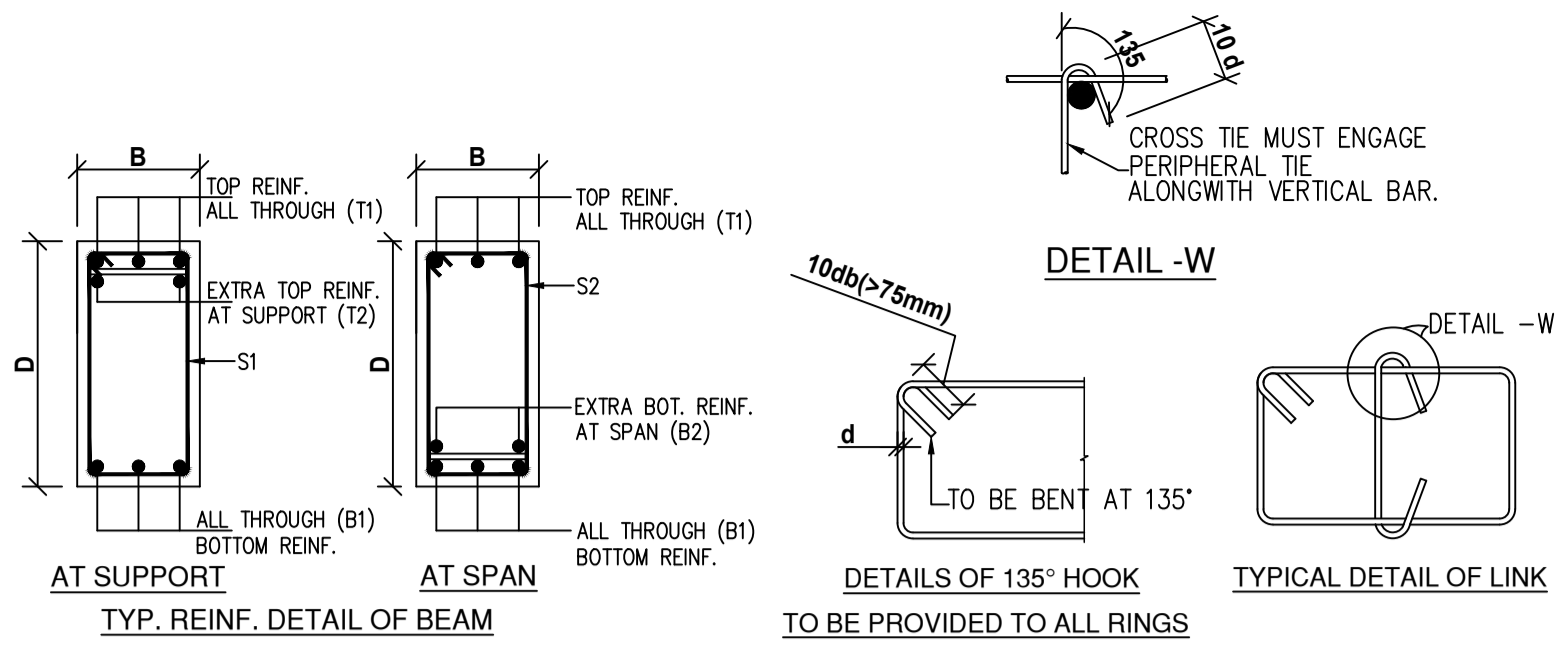
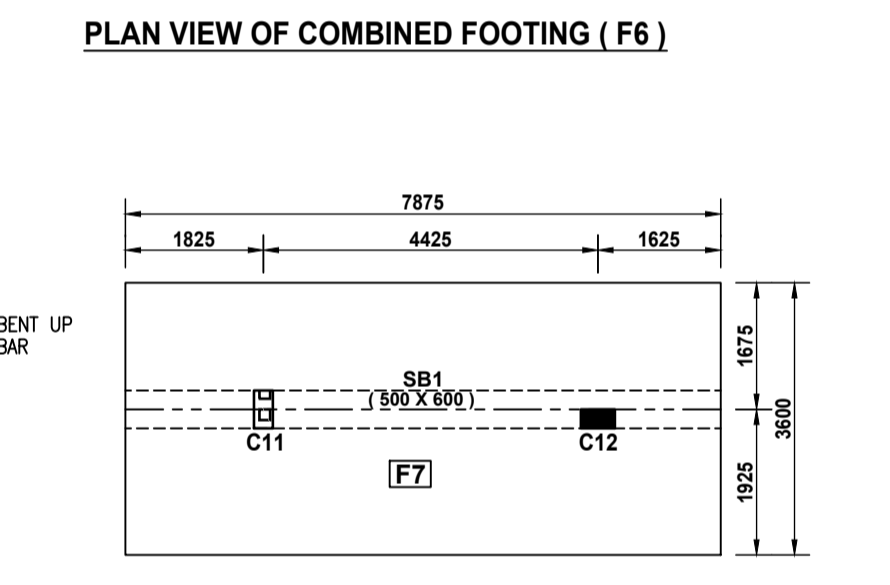
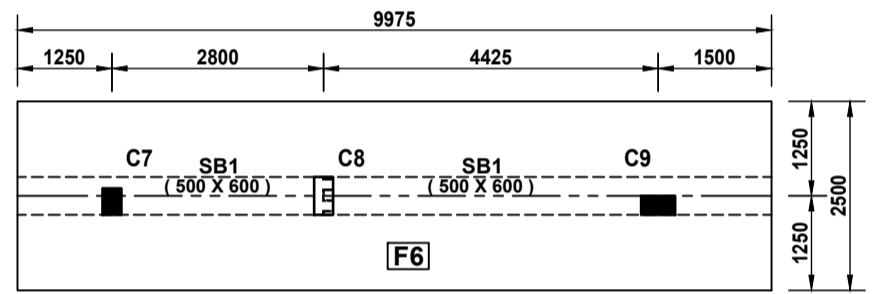
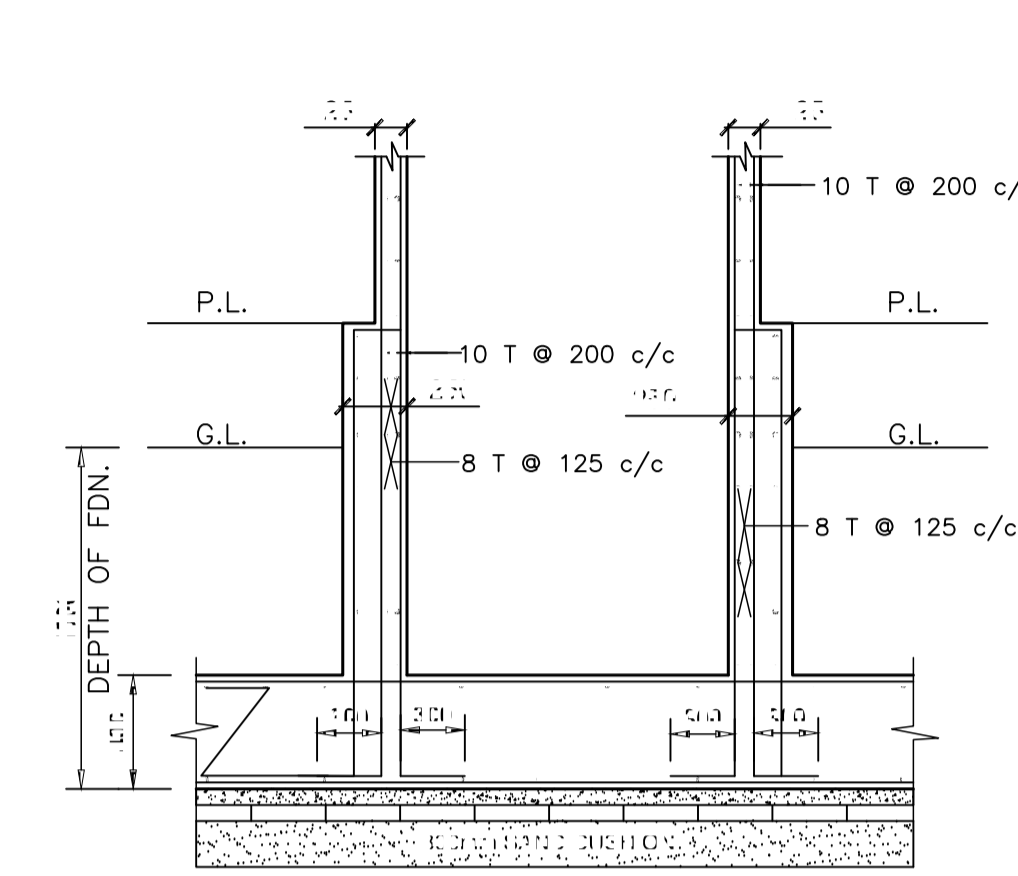
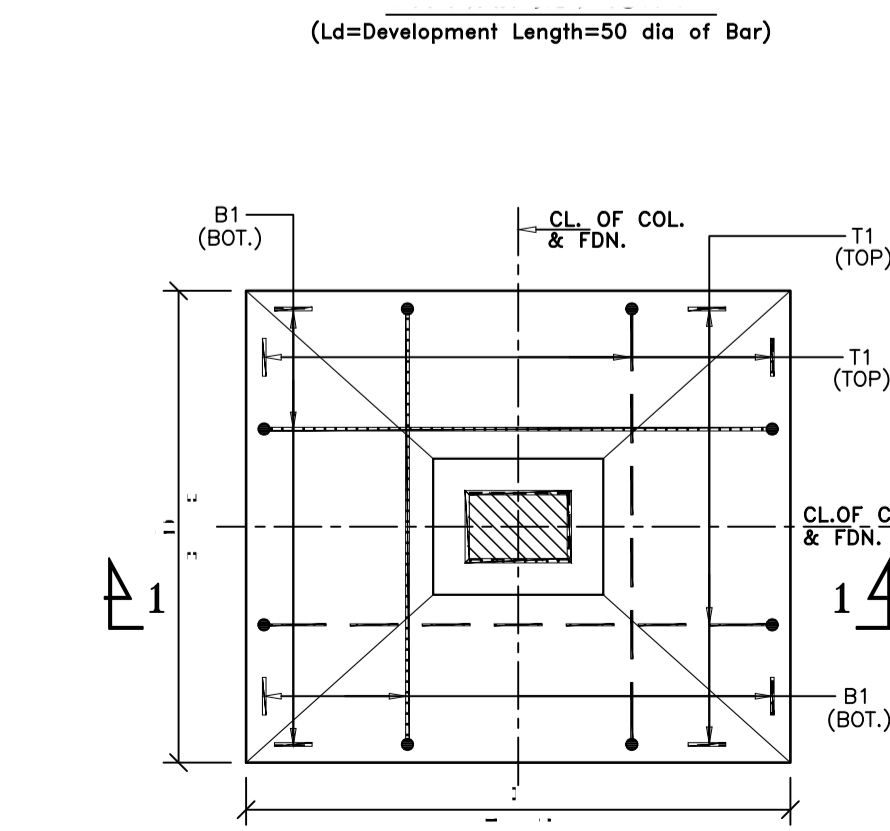
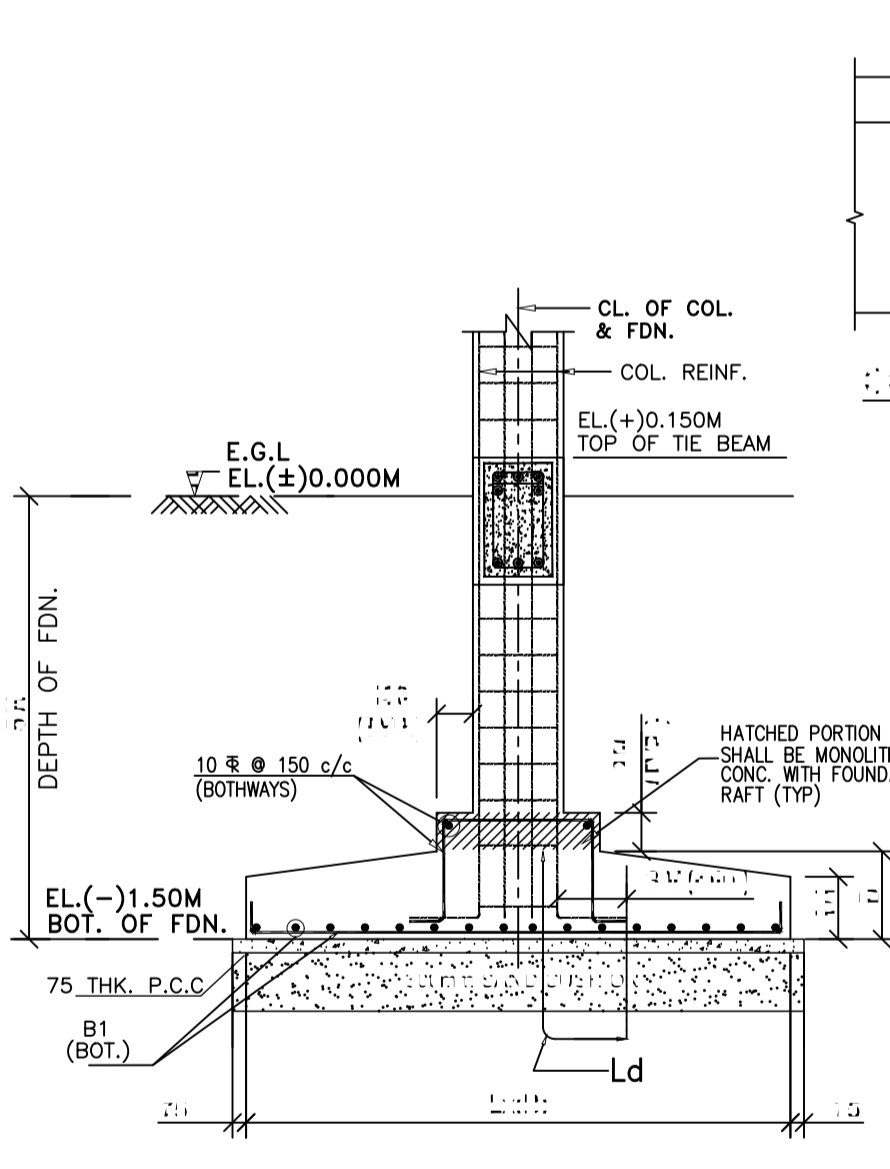
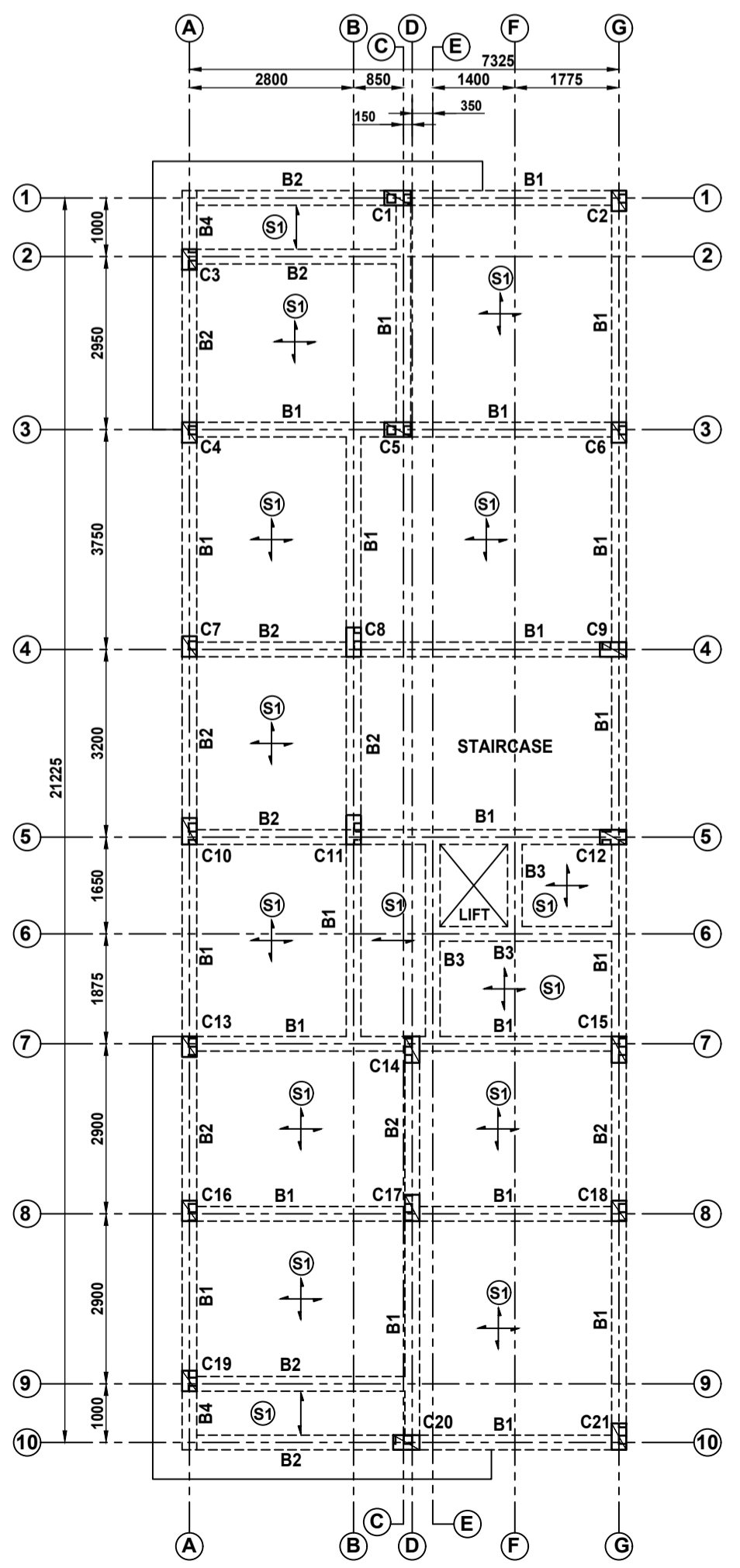
ROOF TO FOOTING	M20 : Fe500 , COVER = 40mm END / CONFINING ZONE = 450 MM			M20 : Fe500 , COVER = 40mm END / CONFINING ZONE = 450 MM			M20 : Fe500 , COVER = 40mm END / CONFINING ZONE = 450 MM			M20 : Fe500 , COVER = 40mm END / CONFINING ZONE = 450 MM		
	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
ROOF	T8 @ 75	T8 @ 75	T8 @ 150	T8 @ 75	T8 @ 75	T8 @ 150	T8 @ 75	T8 @ 75	T8 @ 150	T8 @ 75	T8 @ 75	T8 @ 150
FOOTING	10-T16			10-T16			8-T16			6-T16		
COLUMN	C8,C11			C5,C12,C14,C17			C1,C9,C10,C15,C20,C21			C2,C3,C4,C6,C7,C13,C16,C18,C19		

**FLOOR BEAM SCHEDULE (M25:Fe500)**

BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	
		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SUPPORT	SPAN
B1	250 X 350	3-T16	3-T16 + 2-T12	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C
B2	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C
B3	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C
B4	250 X 350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 125 C/C	2L-T8 @ 125 C/C

**FLOOR SLAB SCHEDULE (M25 : Fe500)**

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG SUPPORT	OVER SHORT SUPPORT
S1	115	T8 @ 150 C/C	T8 @ 150 C/C	T8 @ 150 C/C	T8 @ 150 C/C



**NOTES:-**

- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO MILLIMETERS & LEVELS ARE IN METER, EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH), HOWEVER ARCHITECTURAL DRAWING SHALL BE COORDINATED FOR ALL LEVELS.
- ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
- ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT. BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
- ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
- UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH=50xBAR DIA.
- UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C
- CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
  - i) COLUMNS : 40 MM
  - ii) SLAB : 20 MM
  - iii) BEAM : 25 MM
  - iv) WALL : 20 MM
  - v) STAIR : 20 MM
- GRADE OF CONCRETE WILL BE M25 FOR BOTH SUB AND SUPERSTRUCTURE AS PER IS: 456:2000.
- DEVELOPMENT LENGTH 50XD FOR LAP & SPICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987

**CERTIFICATE OF STRUCTURAL ENGINEER**

CERTIFIED WITH FULL RESPONSIBILITY THAT THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

**Manash M.G. Majumder**  
(M.Tech.-Struc.)  
Empelled Structural Engineer,  
Kolkata Municipal Corporation  
E.S.E. No.-II/506

SIGNATURE OF E.S.E.  
MANASH M.G. MAJUMDER, E.S.E. / II / 586

**Manash M. G. Majumder**  
(Civil Engineer)  
Class-I LBS, Kolkata Municipal Corporation  
LBS NO.- 1078(I)

SIGNATURE OF L.B.S.  
MANASH M.G. MAJUMDER, LBS / II / 1078

**STRUCTURAL DRAWING FOR FOR G+III STORIED RESIDENTIAL BUILDING ( U/S 393A OF K.M.C. ACT 1980 & K.M.C. BLDG. RULE - 2009 ) AT PREMISES NO.- 502, PANCHANANTALA, WARD NO.- 111, BOROUGH- XI, P.S.- BANDRANI, KOLKATA- 700 096, ( BUILDING HEIGHT- 12.475 M ), UNDER THE KOLKATA MUNICIPAL CORPORATION**

Drawn by Bikash Halder	Checked by M.M.G.M.	Approved by - date M.M.G.M. - 13/01/23	Filename S/P / 393A / 08 / 21 / 22-23	Date 12/01/2023	Scales 1:100, 50,600,4000
Space-S House of Civil & Architectural Consultancy E-30A, RAMGARH, KOLKATA-700 047. (M) - 9830429400, 9088015153			LAYOUT PLANS, TYPICAL SECTIONAL, DETAILS & SCHEDULES		
PREM. NO. 502, PANCHANANTALA			Revision 0	Sheet 1/1	

ALL DIMENSIONS ARE IN MM OTHERWISE MENTIONED.