

FOOTING SCHEDULE (M25:Fe500)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION				PEDESTAL SIZE (L x B) ** HEIGHT AS PER REQUIRED	FOOTING REINFORCEMENT			
			L	B	D1	D		ALONG B	ALONG L	ALONG B	ALONG L
F1	C1,C23	SLOPED	2000	2000	200	350	600x450 4NOS10 ϕ L BAR B/W	T12@150 C/C	T12@150 C/C		
F2	C2,C10,C11,C17, C24,C25,C26,C28	SLOPED	2200	2200	200	350	600x450 4NOS10 ϕ L BAR B/W	T12@150 C/C	T12@150 C/C		
F3	C16,C27	SLOPED	2400	2400	200	350	600x450 4NOS10 ϕ L BAR B/W	T12@150 C/C	T12@150 C/C		
F4	C3+C9	STRIP	3200	4500	250	400		T12@125 C/C	T12@150 C/C		
F5	C4+C5+C6	STRIP	9225	2100	250	400		T12@125 C/C	T12@150 C/C		
F6	C7+C8	STRIP	6600	2100	250	400		T12@125 C/C	T12@150 C/C		
F7	SC1+C12+C13+C14+C15 +C18+C19+C20+C21+C22	RAFT	14000	5700	400	400		T16@100 C/C	T16@100 C/C	T12@200 C/C	T12@200 C/C

FOUNDATION BEAM SCHEDULE (M25:Fe500)

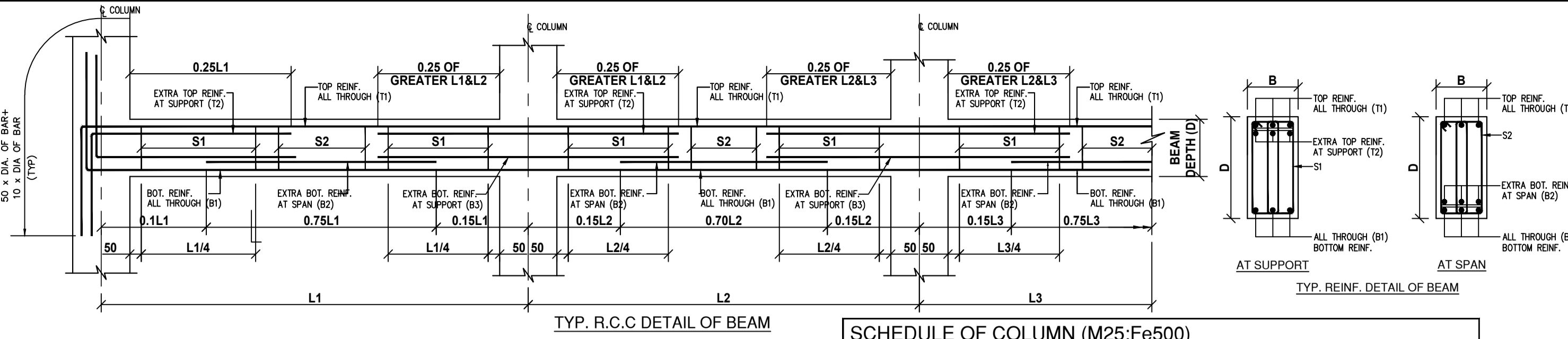
BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR STIRRUPS	
	B1	D2	SUPPORT	SPAN	SUPPORT	SPAN	SUPPORT(S1)	SPAN(S2)
SB1	600	600	5-T16 +2-T16	5-T16 +2-T16	5-T16	5-T16	4L-T8@125 C/C	4L-T8@150 C/C

TIE BEAM SCHEDULE (M25:Fe500)

BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
		B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SUPPORT
TB1	250	350	3-T16	3-T16 +2-T12	3-T16	3-T16 +2-T12	3-T16	3-T16 +2-T12	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C
TB2	250	350	3-T16	3-T16	3-T16	3-T16 +2-T12	3-T16	3-T16 +2-T12	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C
TB3	250	350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 150 C/C	2L-T8 @ 150 C/C
TB4	250	350	3-T16	3-T16	3-T16	3-T16 +2-T16	3-T16 +2-T16	3-T16 +2-T16	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C

FLOOR BEAM SCHEDULE (M25:Fe500)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SUPPORT	SPAN
B1	250	350	3-T16	3-T16 +2-T16	3-T16	3-T16 +2-T16	3-T16	3-T16 +2-T16	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C
B2	250	350	3-T16	3-T16	3-T16	3-T16 +2-T16	3-T16	3-T16 +2-T16	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C
B3	250	350	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 150 C/C	2L-T8 @ 150 C/C
B4	250	300	3-T12	3-T12	3-T12	3-T12	3-T12	3-T12	2L-T8 @ 150 C/C	2L-T8 @ 150 C/C
B5	250	350	3-T16	3-T16	3-T16	3-T16 +2-T16	3-T16 +2-T16	3-T16 +2-T16	2L-T8 @ 100 C/C	2L-T8 @ 150 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
S2	110 TO 125	T8 @ 150 C/C	T8 @ 150 C/C	T10 @ 150 C/C	T10 @ 150 C/C

SCHEDULE OF COLUMN (M25:Fe500)

COLUMN MKD.	SIZE (mm)	MAIN REINFORCEMENT		LATERAL TIES REINFORCEMENT
		FOUNDATION TO ROOF		
C4,C15	250x500	10-16 ϕ		2L 8 ϕ @ 150 c/c
C8,C9,C10,C11,C12,C13, C14,C16,C17,C20,C21,C22	250x400	10-16 ϕ		2L 8 ϕ @ 150 c/c
C1,C2,C3,C5,C6,C7,C18,C19, C23,C24,C25,C26,C27,C28	250x350	8-16 ϕ		2L 8 ϕ @ 150 c/c
SC1	250x250	4-16 ϕ (FOUNDATION TO TIE BEAM)		2L 8 ϕ @ 150 c/c

NOTES :-

A. GENERAL:

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER.
- DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- ALL FOUNDATIONS SHALL BE REST ON VIRGIN SOIL OR ON THOROUGHLY COMPACTED SOIL AS PER SPECIFICATION. WHENEVER THE SOIL CONTAIN THE LOOSE SOIL POCKETS, THE SAME SHALL BE REMOVED AND REFILLED WITH THE P.C.C.

B. CONCRETE WORK:

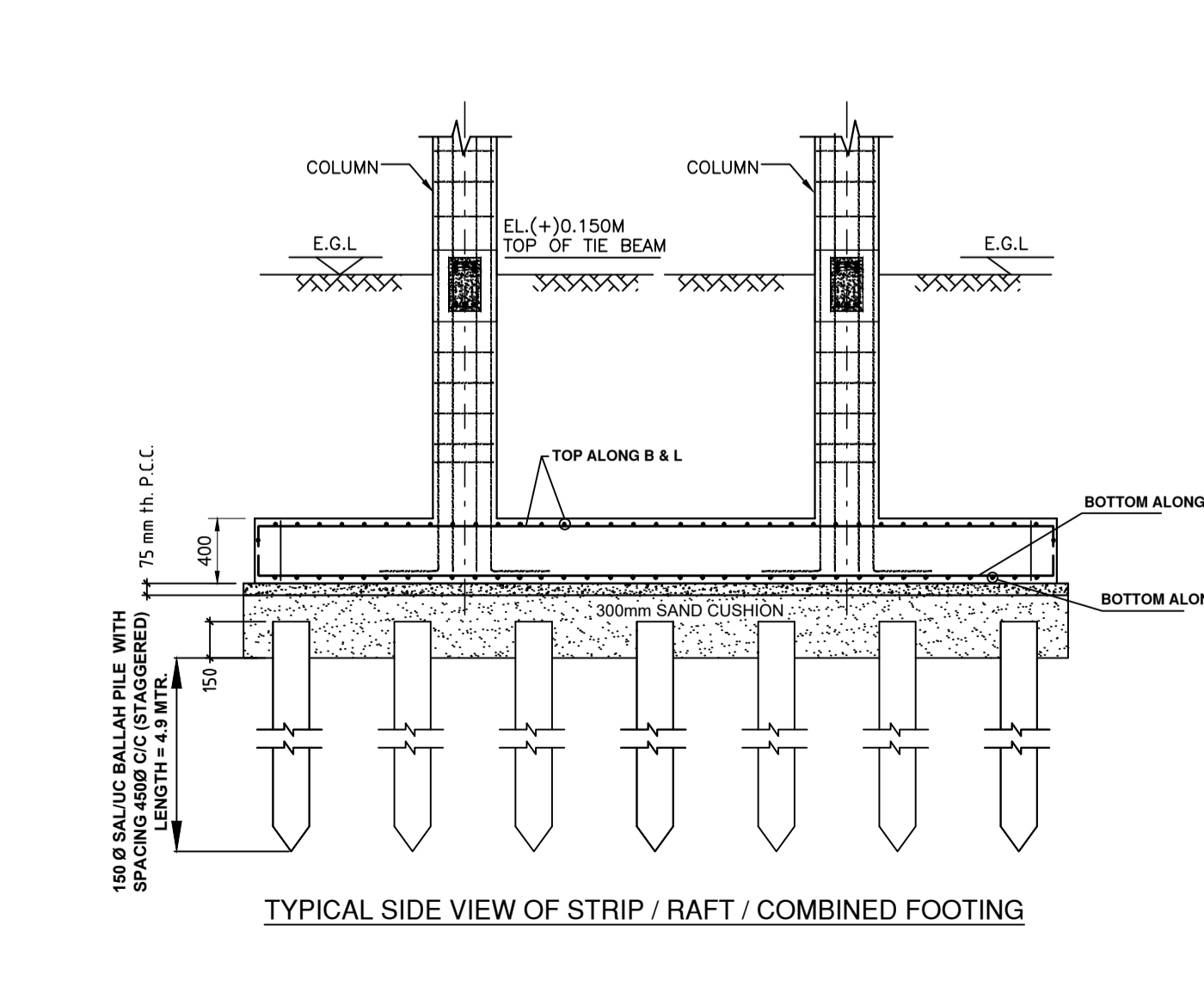
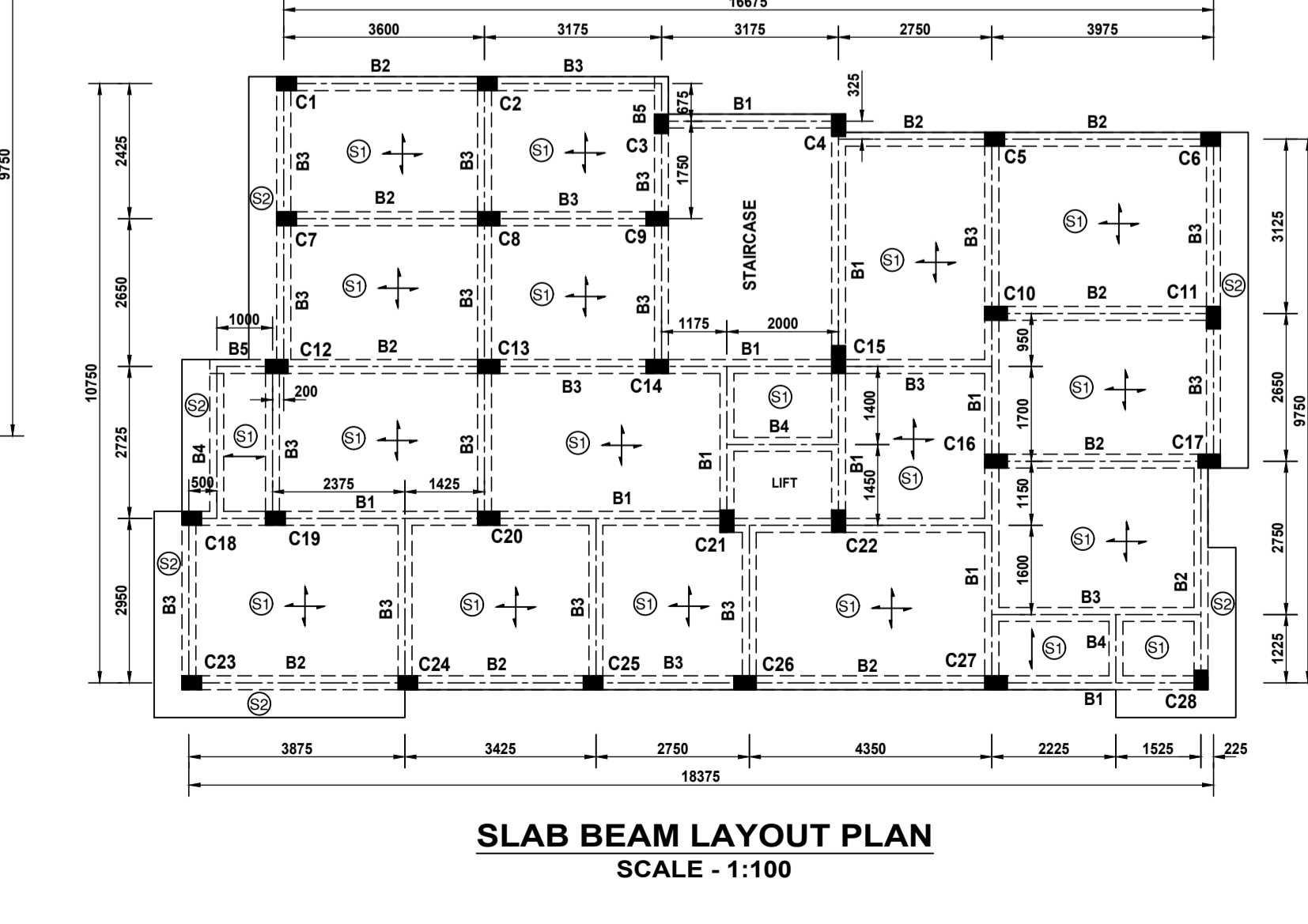
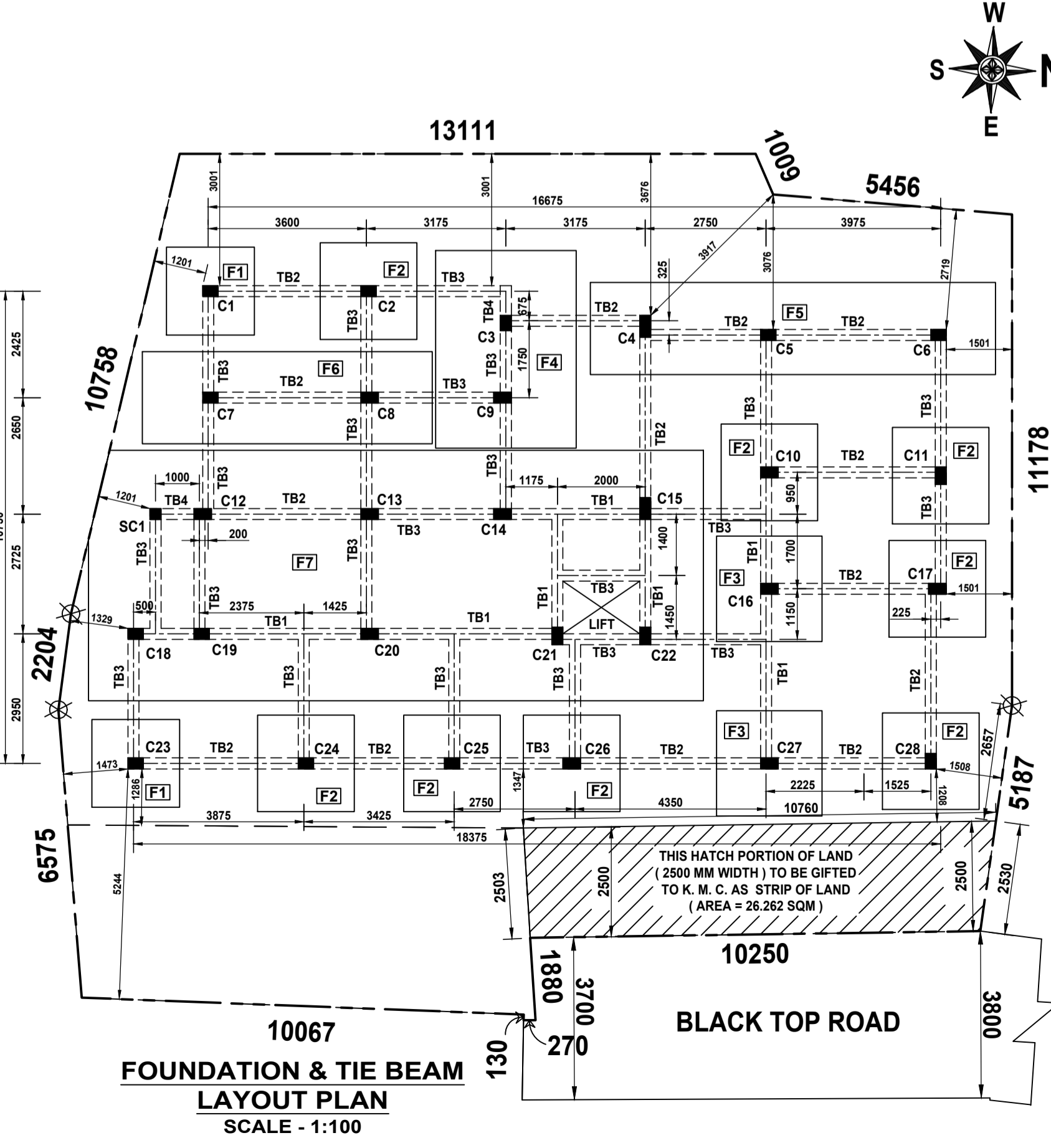
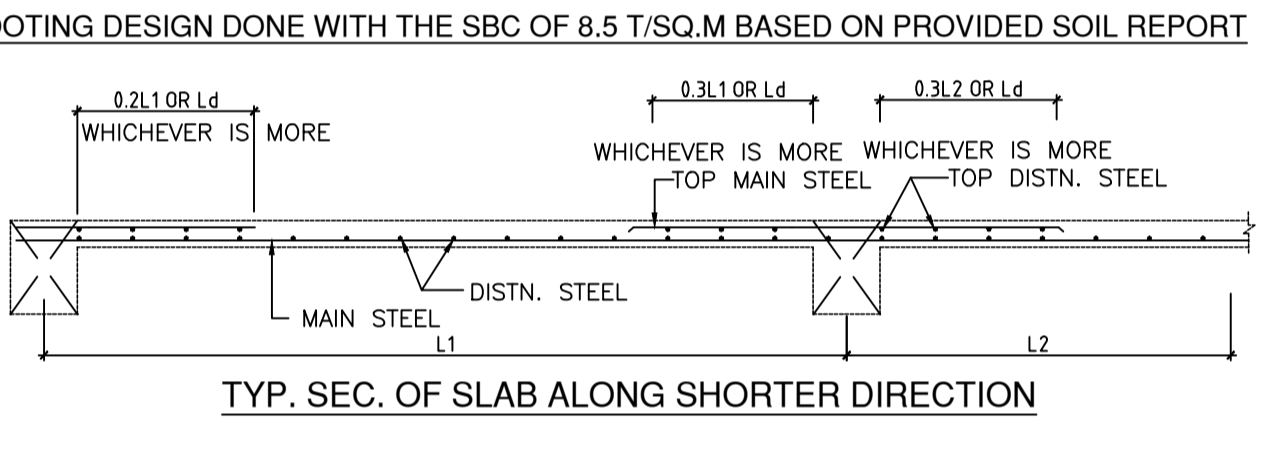
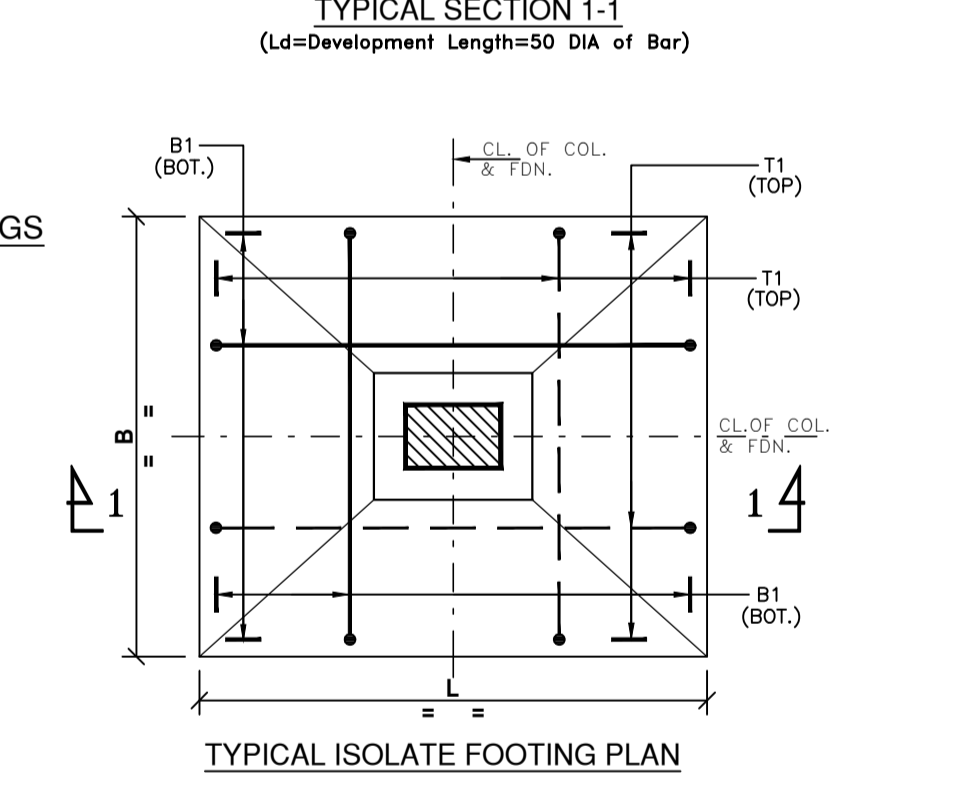
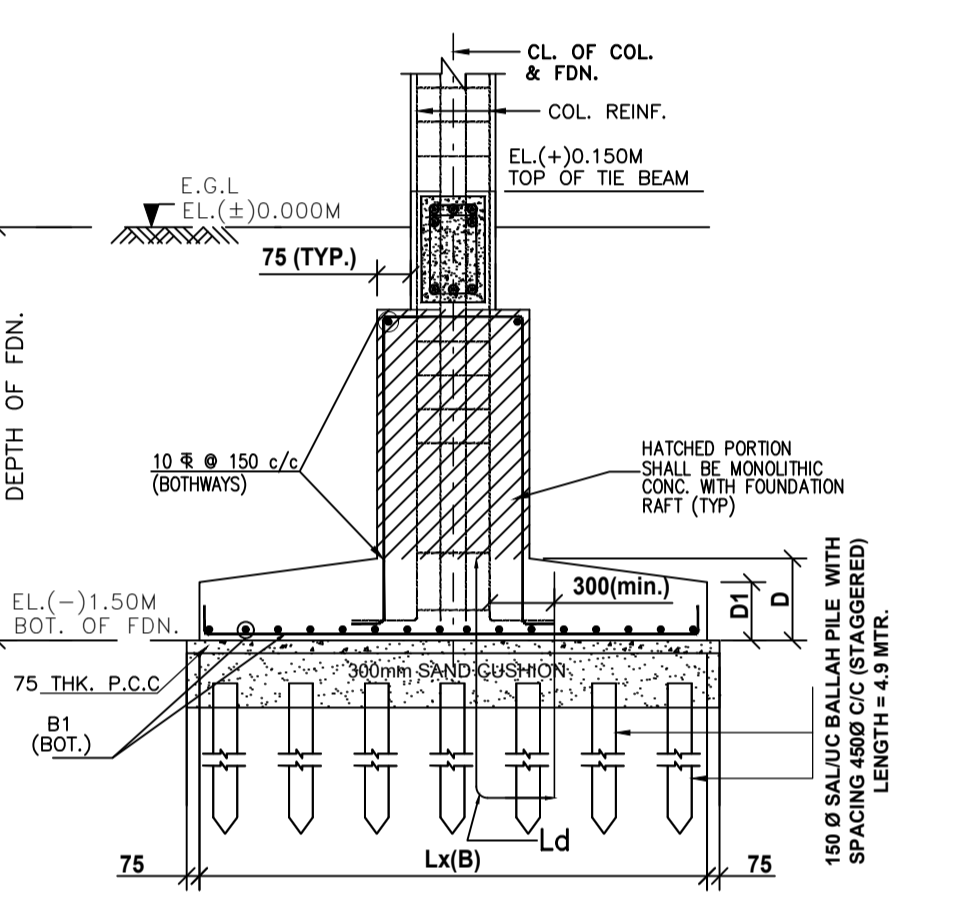
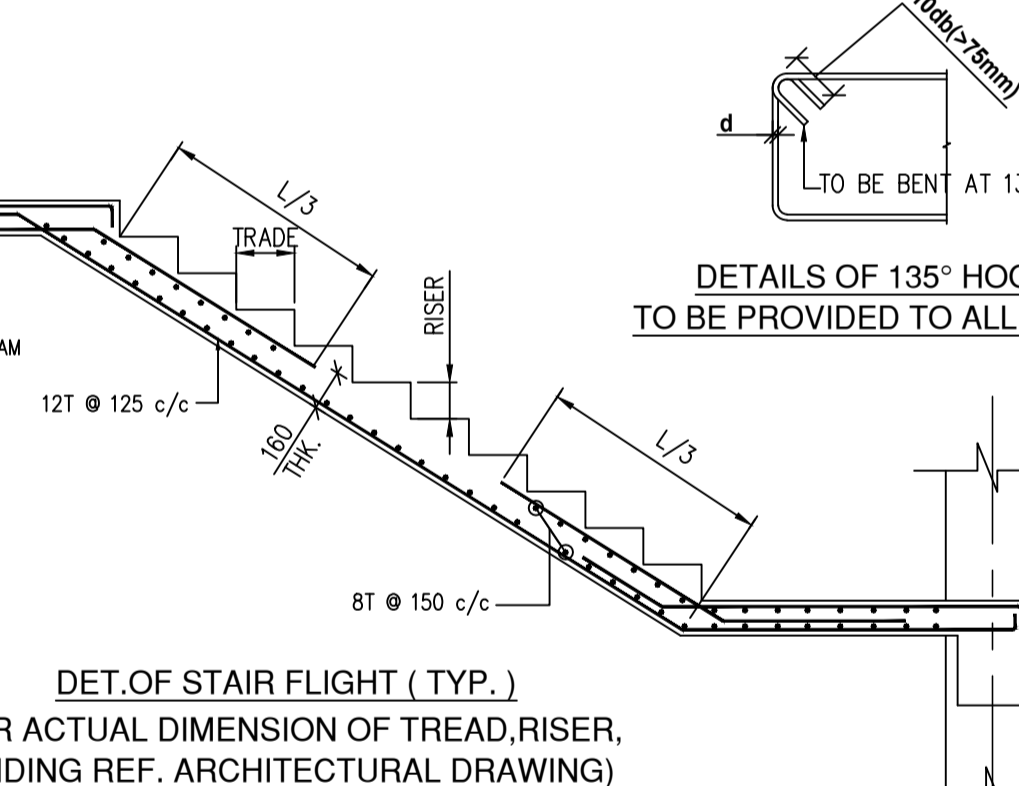
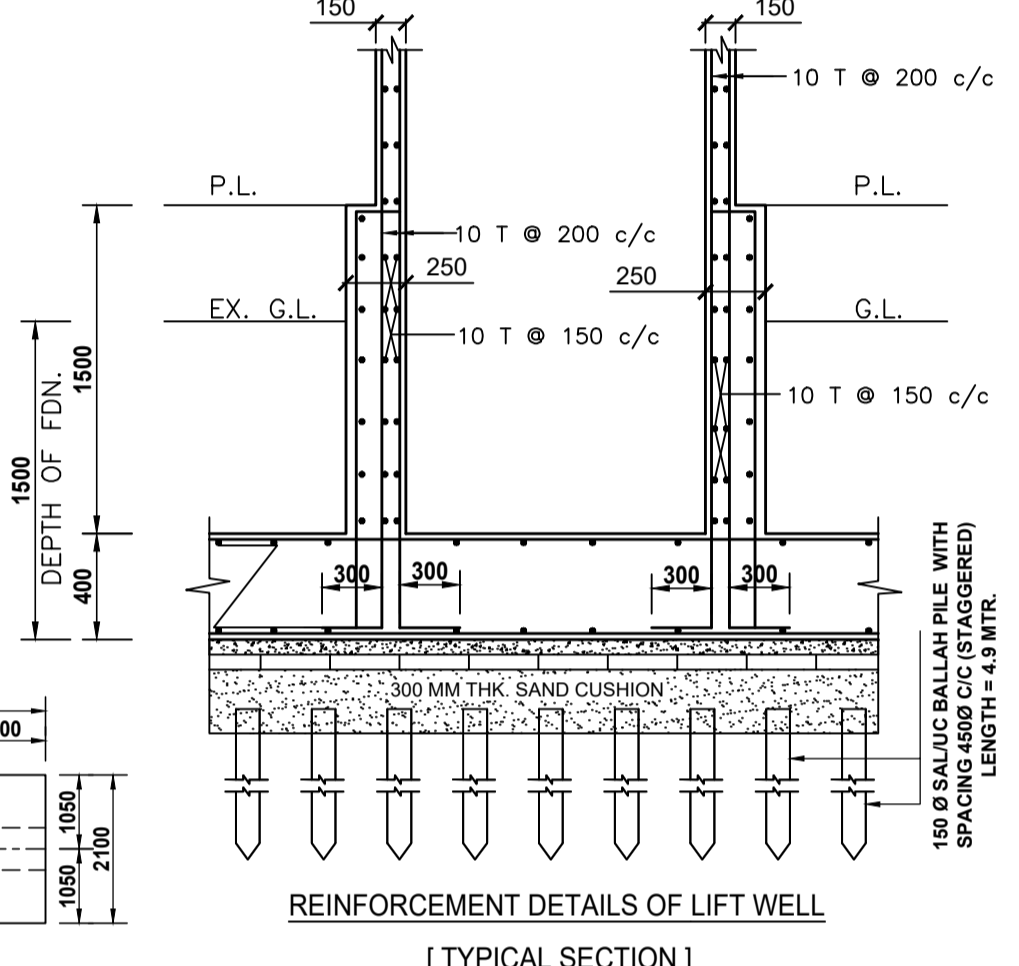
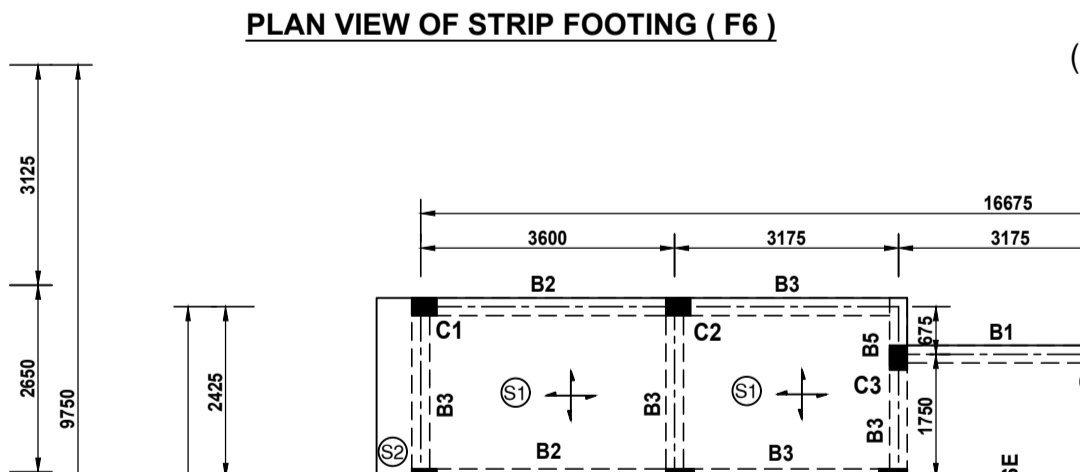
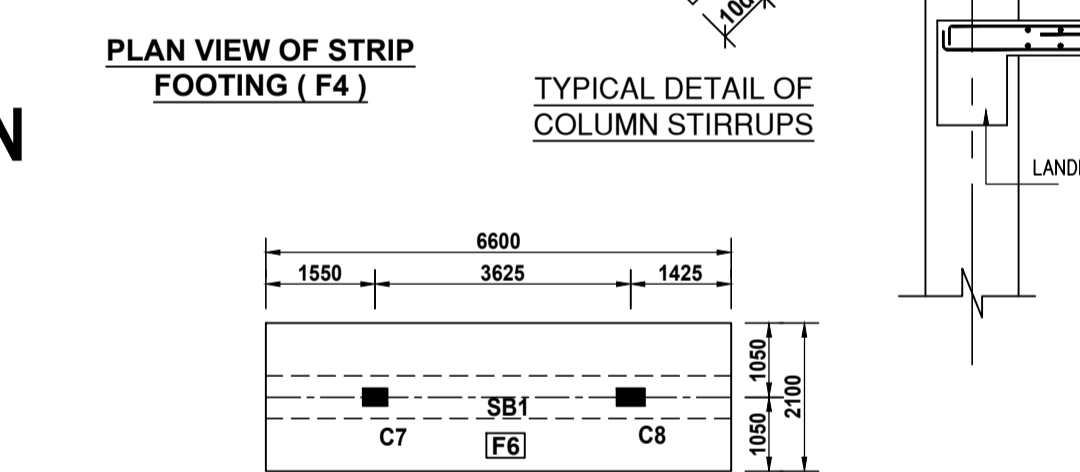
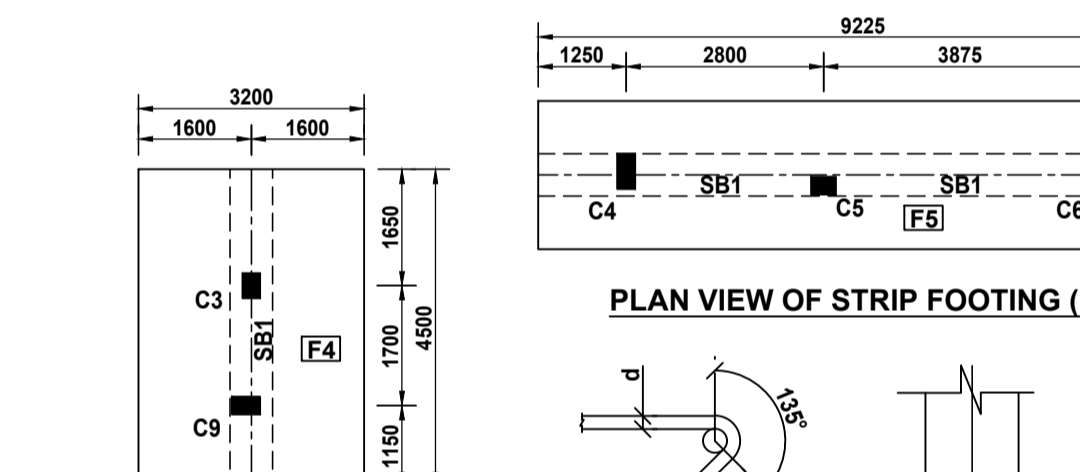
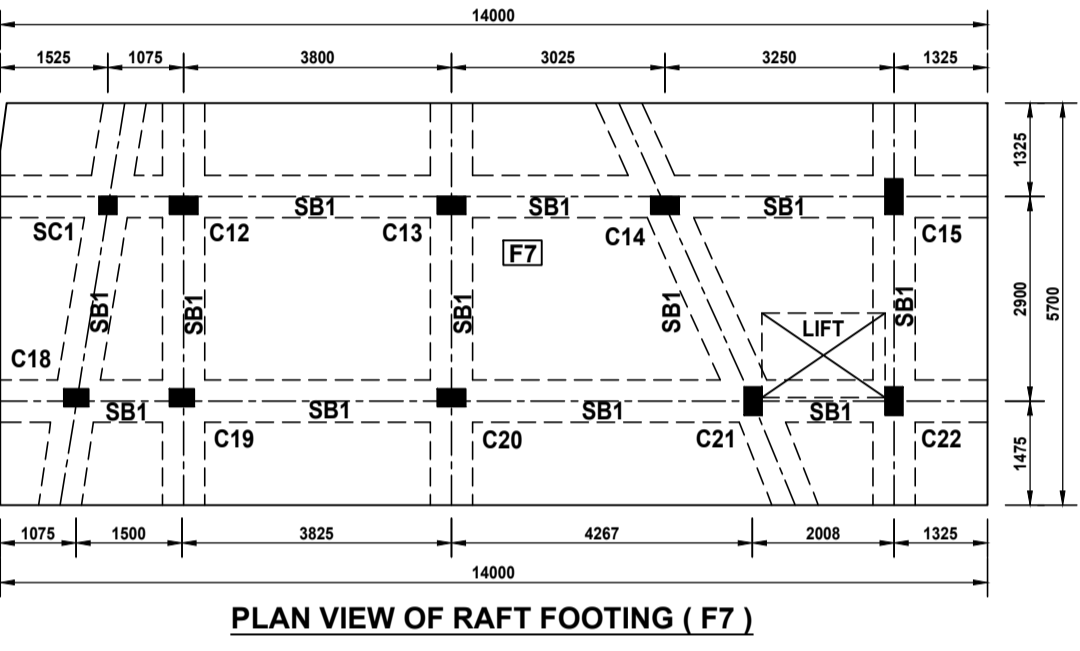
- ALL CONCRETE WORK SHALL BE AS PER IS-456 (LATEST REVISION).
- ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE AS FOLLOWS UNLESS NOTED OTHERWISE.
 - THE GRADE CONC. FOR SUB & SUPER STRUCTURES ARE M-25
 - PLAIN CONCRETE WORK SHALL BE OF THE FOLLOWING GRADES OF NOMINAL MIX CONCRETE:
 - 1:5:10 PLUM CONCRETE FOR FILLING CONCRETE UNDER FOUNDATION (WITH MAXIMUM AGGREGATE SIZE OF 40 MM) AND AS, PITS, TRENCHES ETC.
 - M-15 FOR LEAN CONCRETE BELOW FOUNDATIONS & PLINTH PROTECTION
 - THE MINIMUM CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT SHALL BE AS FOLLOWS:

STRUCTURAL ELEMENT	COVER		
	TOP	BOTTOM	SIDES
a) PLINTH BEAM	25	40	40
b) COLUMNS	50	-	40
c) SLAB ON GRADE	20	25	25
d) FLOOR BEAM	25	25	25
e) SLAB	20	20	20
f) FOUNDATION	50	50	50

C. REINFORCEMENTS:

- ALL REINFORCING STEEL SHALL BE OF TESTED QUALITY.
- (a) HIGH YIELD STRENGTH DEFORMED BAR REINFORCEMENT (YIELD STRESS Fe-500 N/MM²) SHALL CONFORM TO IS:1786. (LATEST REVISION)
- LAPS AND SPICES OF REINFORCEMENT TO SUIT AVAILABLE LENGTH OF BARS SHALL BE MADE AS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER AT SITE.
- ALL HOOKS, BENDS, LAPS AND SPICES SHALL BE AS PER IS:2502.
- THE LAP/ANCHORAGE LENGTH OF BARS OF DIAMETER 'D' SHALL BE AS FOLLOWS:-

CONCRETE GRADE	DEFORMED BARS TENSION	COMPRESSION
M-25	50D	40D
- LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
- LAPPING OF BARS FOR BEAM AND SLAB SHALL BE AVOIDED IN THE MAXIMUM TENSION ZONES.
- DEVELOPMENT LENGTH (L_d) = 50D/DIA OF THE BAR.
- ALL SPACER BARS ARE 250 ϕ 450 C/C AND TO BE PROVIDED WHEREVER REQUIRED.



CERTIFICATE OF GEO-TECHNICAL ENGINEER

UNDERSIGNED HAS INSPECTED THE SITE CARRIED OUT THE SOIL INVESTIGATION THEREIN. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED THEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

Kallol Kr. Ghoshal B.E.(Civil), MIE
Geo Technical Engineer
KMC Empnment No. G.T./11/49

SIGNATURE OF GEO-TECHNICAL ENGINEER
KALLOL KUMAR GHOSHAL, G.T. / 11 / 49

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.

SUJAY KR SANTRA
B-Tech (Civil), M-Tech (Structure)
KMC ESE(II)-635, IEI-AM13178-1
Chartered Engineer

SIGNATURE OF E.S.E.
SUJAY KR. SANTRA, ESE / II / 635

MAMTA DEVI
MAMTA DEVI (PROPRIETRESS OF SHREE BHUMI REAL ESTATE), AS C.A. FOR KAMAN MONDAL, ARDIY MONDAL, SANDHYA MONDAL, MADAN MONDAL, ARATI MONDAL, DILIP MONDAL, BAIJYA NATH MONDAL, GITA MONDAL, MANASI MONDAL, MANASI BISWAS, MOUSUMI MONDAL, KALI MONDAL, PINKI BAKSHI & RINKI MONDAL.

SIGNATURE OF APPLICANT
MAMTA DEVI (PROPRIETRESS OF SHREE BHUMI REAL ESTATE), AS C.A. FOR KAMAN MONDAL, SANDHYA MONDAL, MADAN MONDAL, ARATI MONDAL, DILIP MONDAL, BAIJYA NATH MONDAL, GITA MONDAL, MANASI MONDAL, MANASI BISWAS, MOUSUMI MONDAL, KALI MONDAL, PINKI BAKSHI & RINKI MONDAL.

MD. TOSHIF ALAM
License No.- 1870
LBS (I), EMC

SIGNATURE OF L.B.S.
MD. TOSHIF ALAM, L.B.S / II / 1670

STRUCTURAL DRAWING FOR G + III STORED RESIDENTIAL BUILDING OF HEIGHT - 12.500 M, U/S 393A OF K.M.C. ACT 1980 & K.M.C. BLDG. RULE - 2009, AT PREMISES NO.- 12 / 3B / 1J, DHARMATALA ROAD, WARD NO.- 67, BOROUGH - VII, P.S.- KASBA, KOLKATA - 700 039, UNDER THE KOLKATA MUNICIPAL CORPORATION.

Drawn by: Bikash Halder | Checked by: SUJAY KR. SANTRA | REF. NO.: DP/63/EOB-393A/08/24-25 | Date: 18/10/2024 | Scale: 1:100, 50,600,4,000

DREAM PLANNER
ESCAPE THE ORDINARY
PREMISES NO.- 4 / C, DHARMATALA ROAD, KOLKATA-700 0039
MOBILE - 8296429626

LAYOUT PLANS, TYPICAL SECTIONAL, DETAILS & SCHEDULES

PREM. NO.- 12 / 3B / 1J, DHARMATALA ROAD | Revision: 0 | Sheet: 1/1

ALL DIMENSIONS ARE IN MM OTHERWISE MENTIONED.