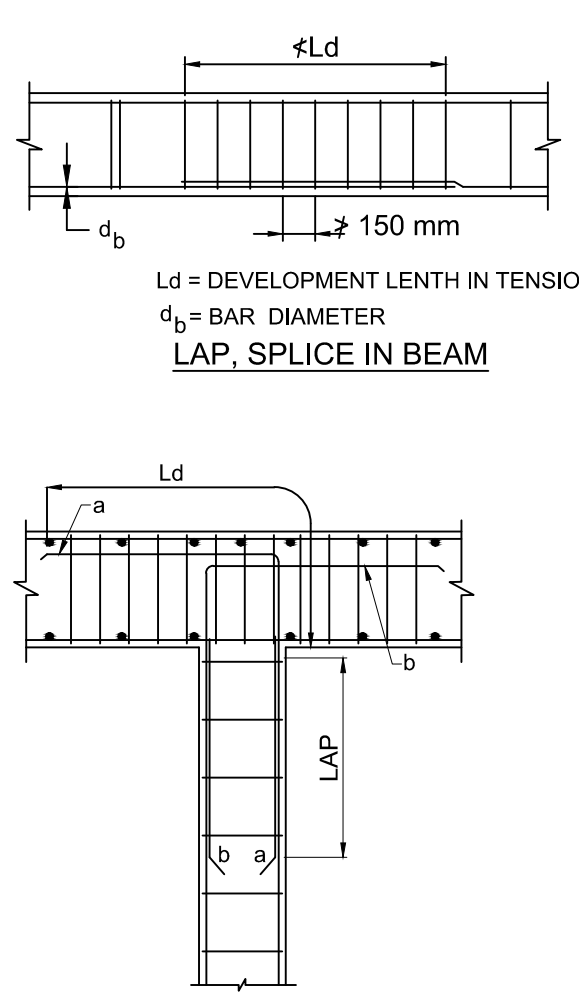
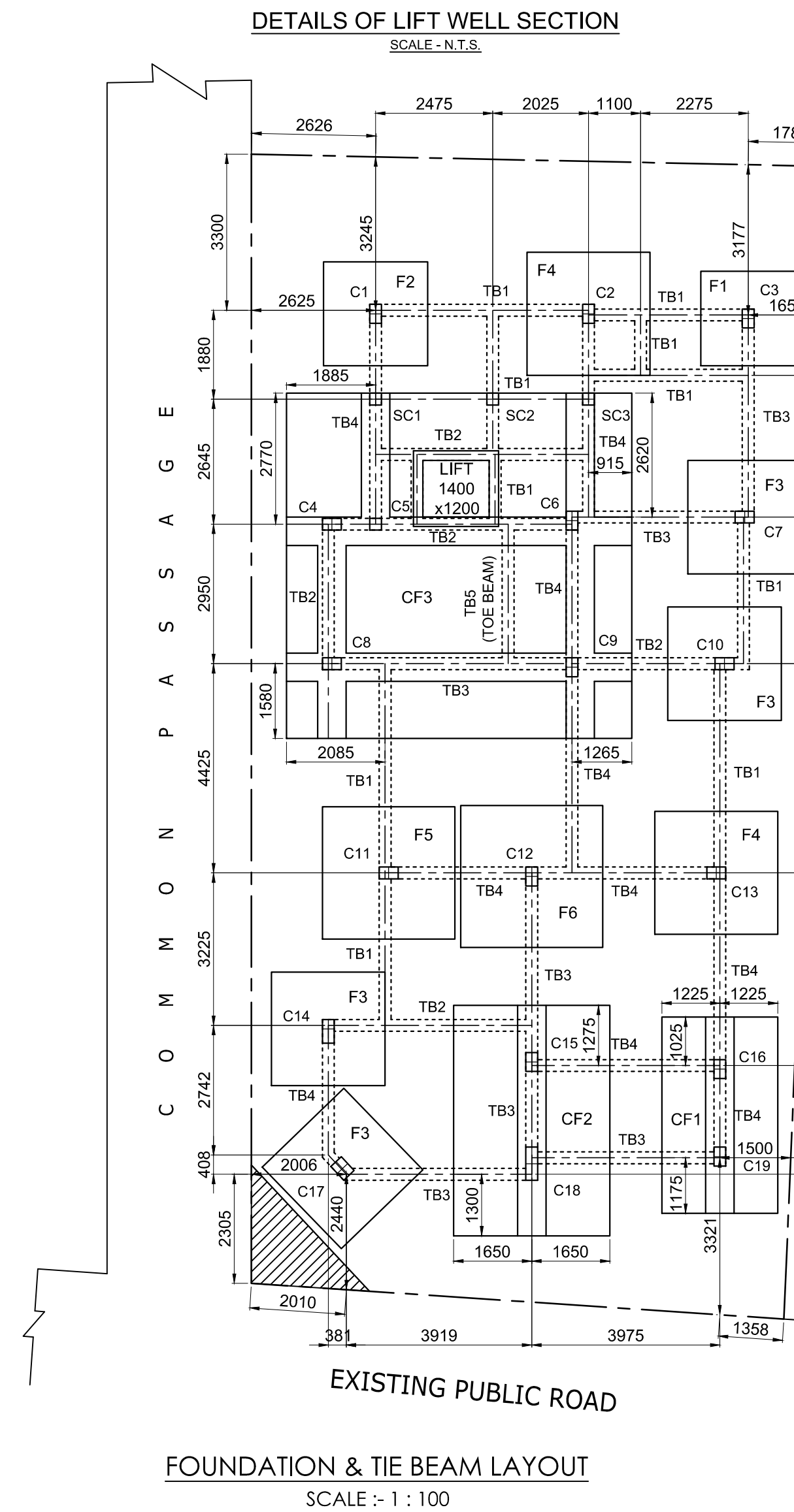
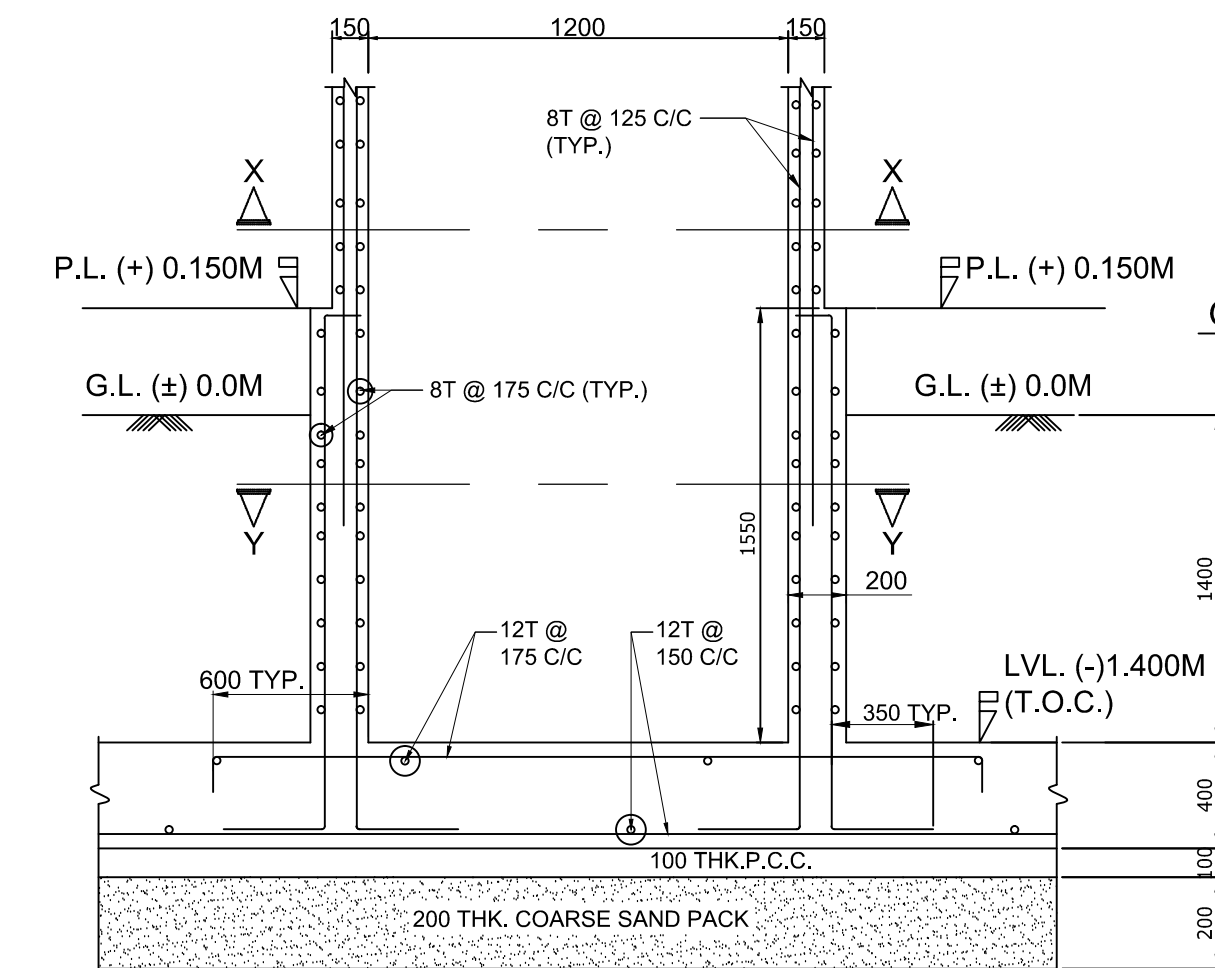
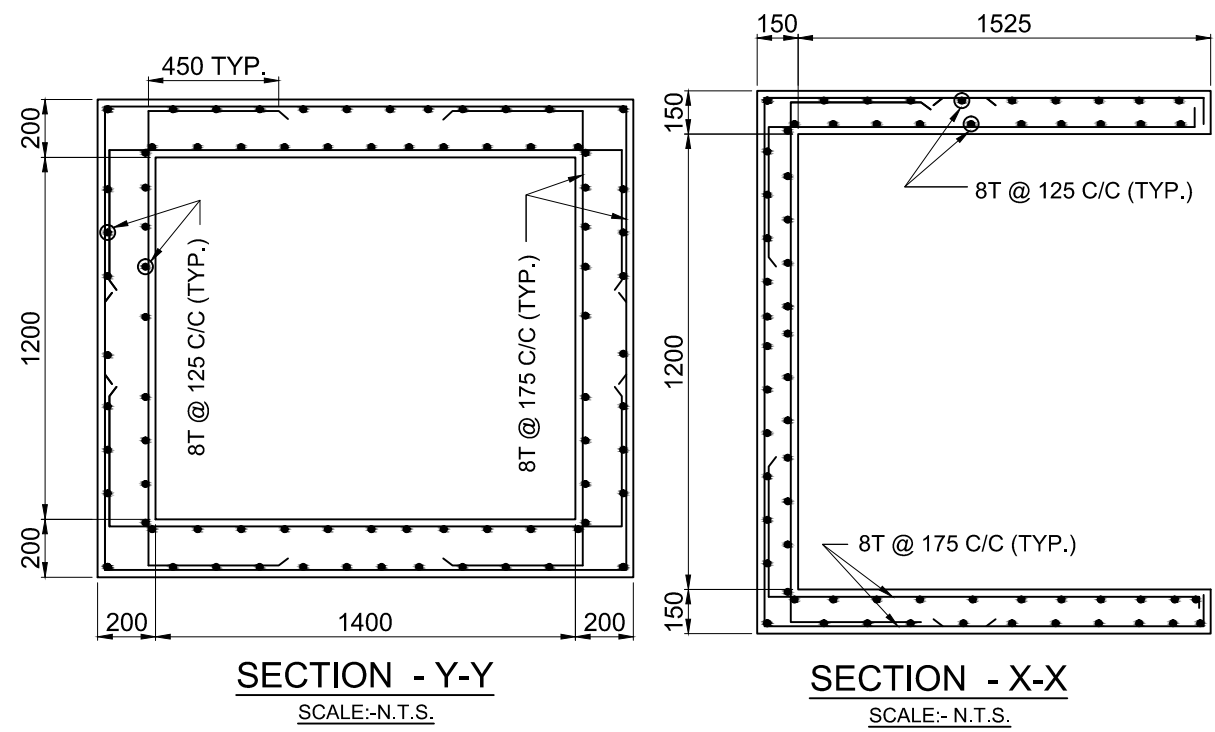
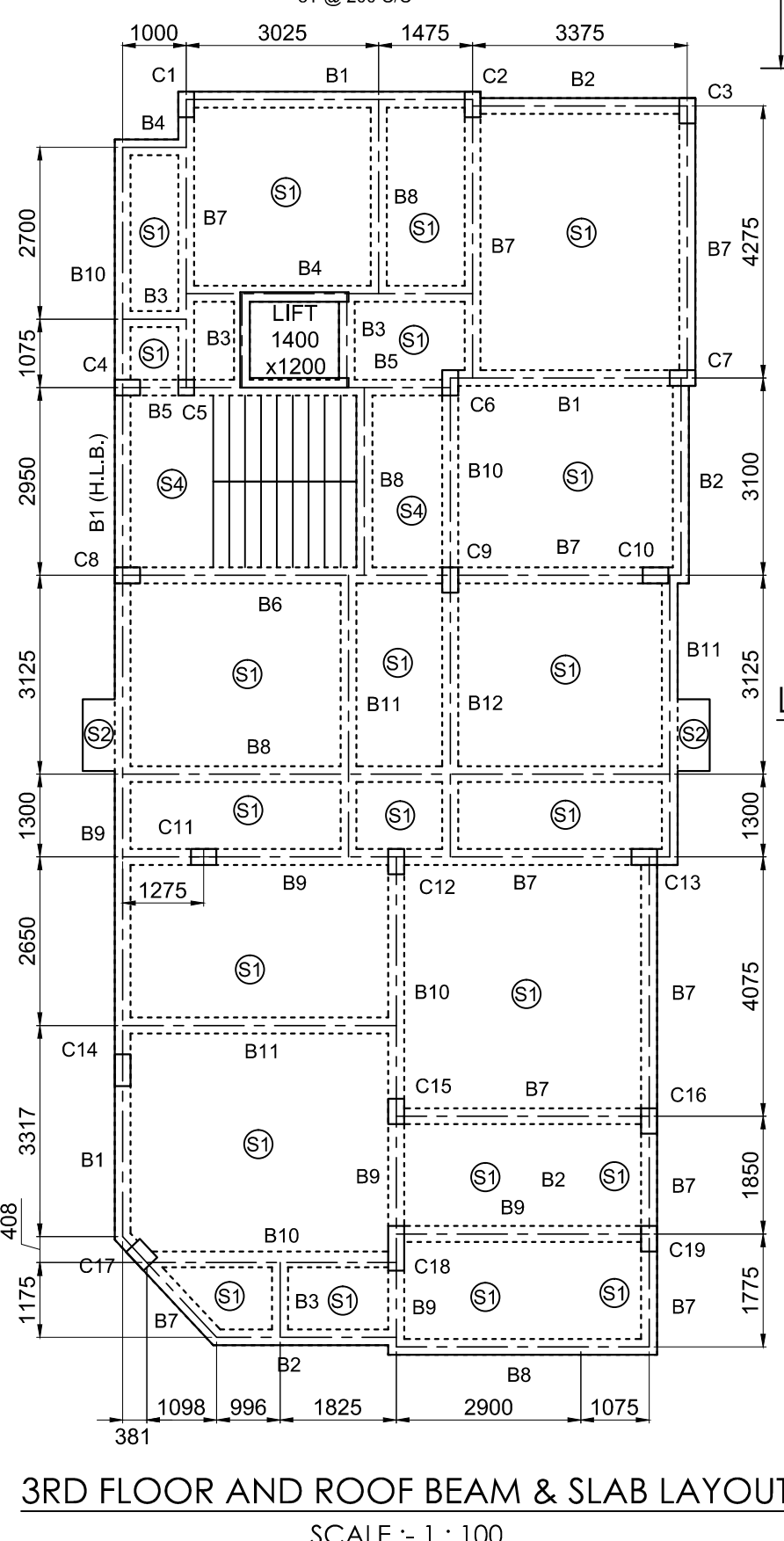
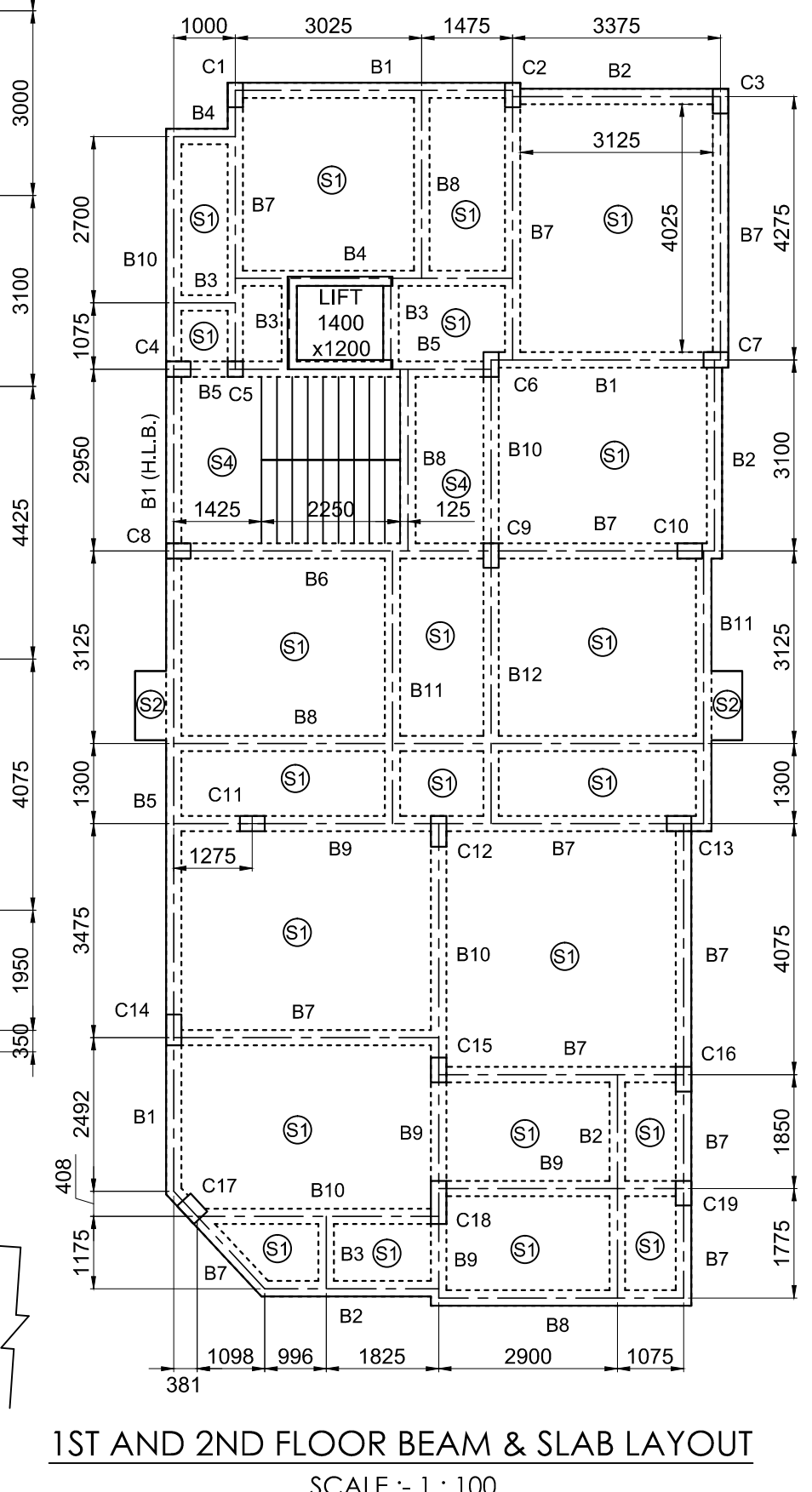
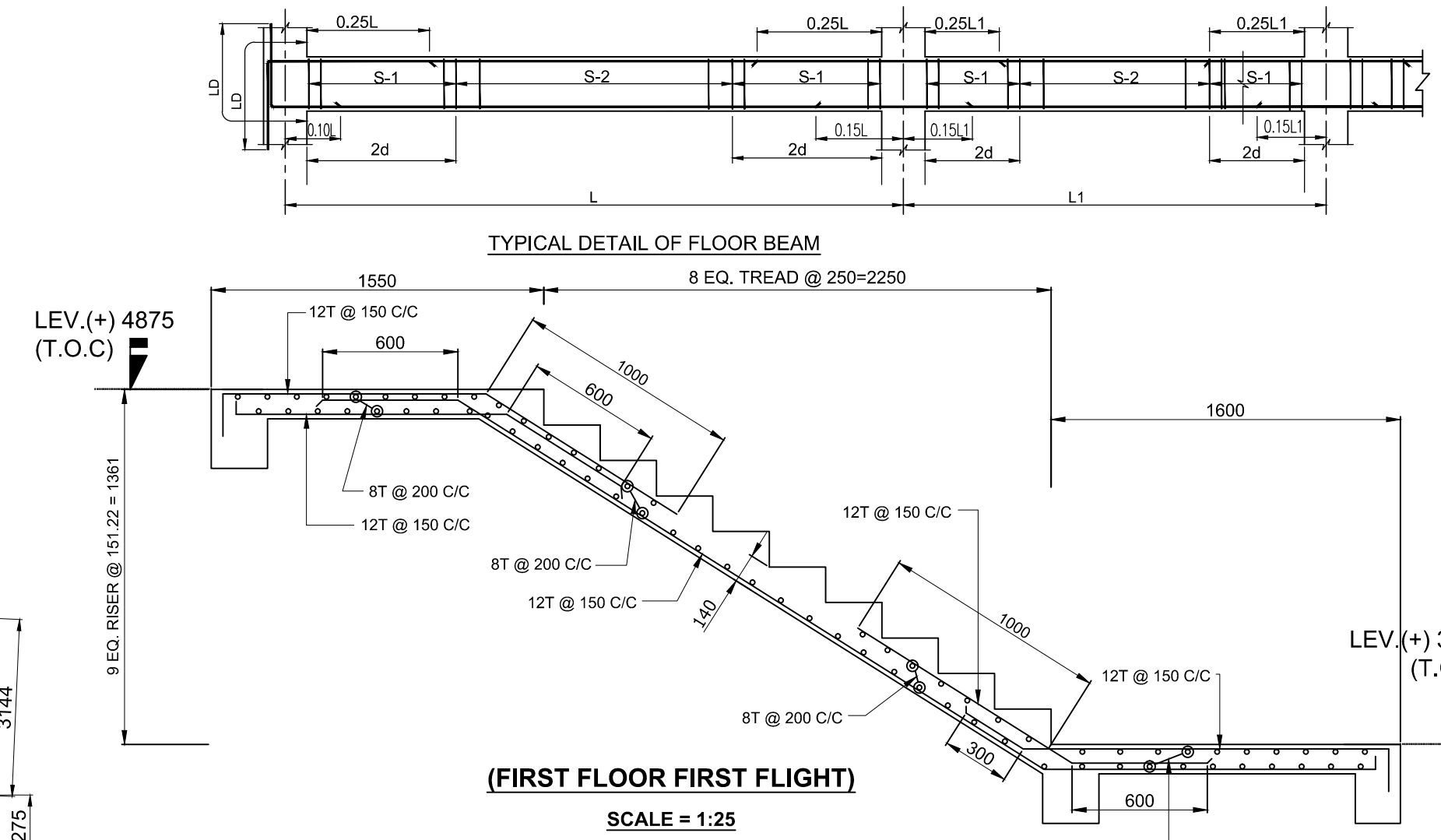




DETAILS OF TERMINATIONS OF COLUMN BARS INSIDE THE BEAM

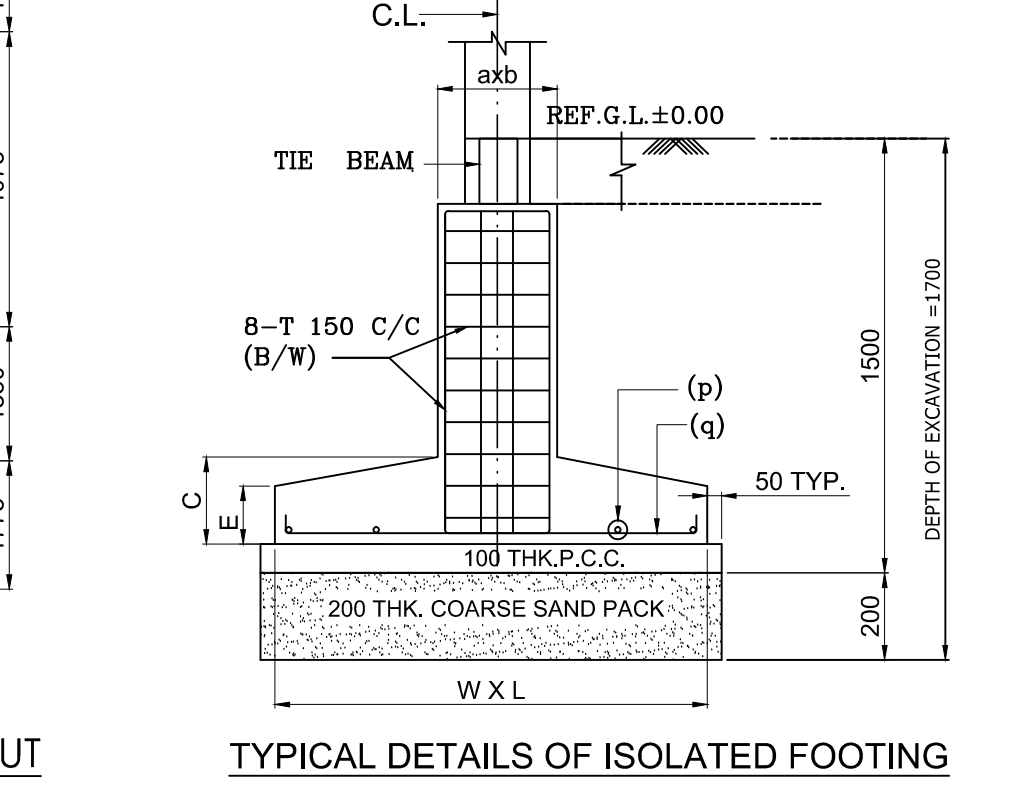
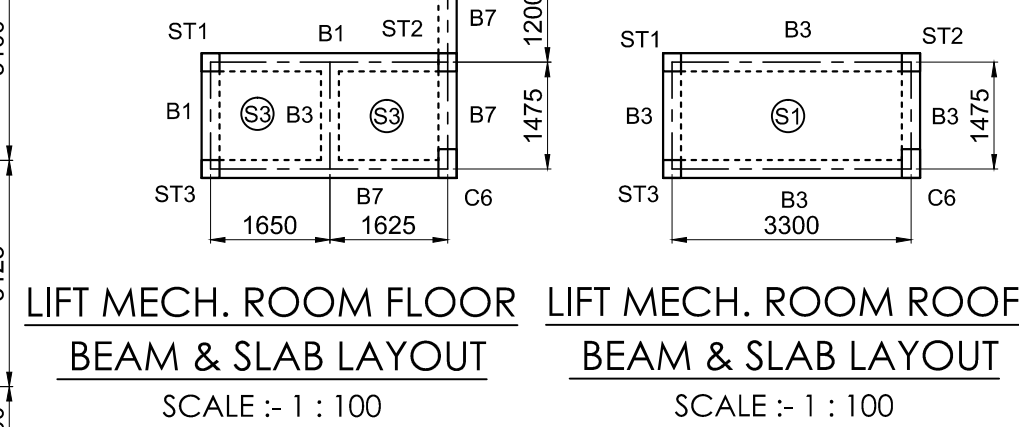
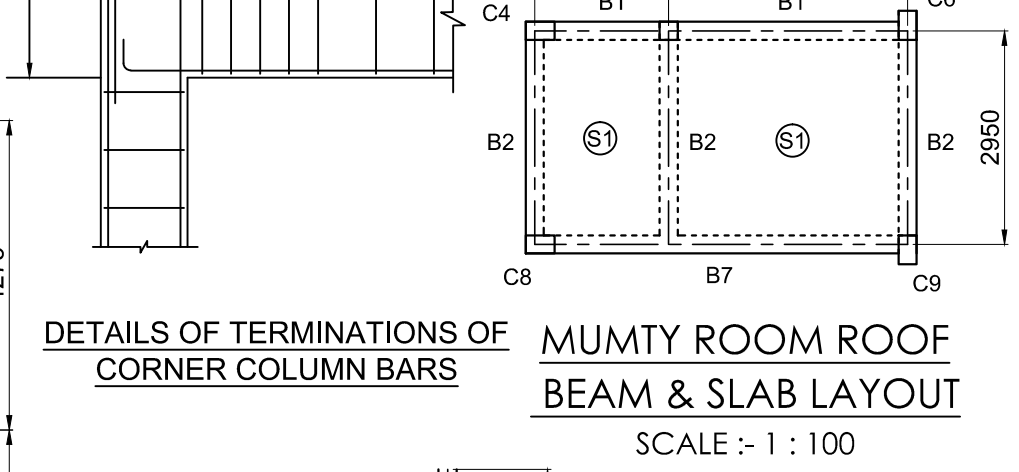
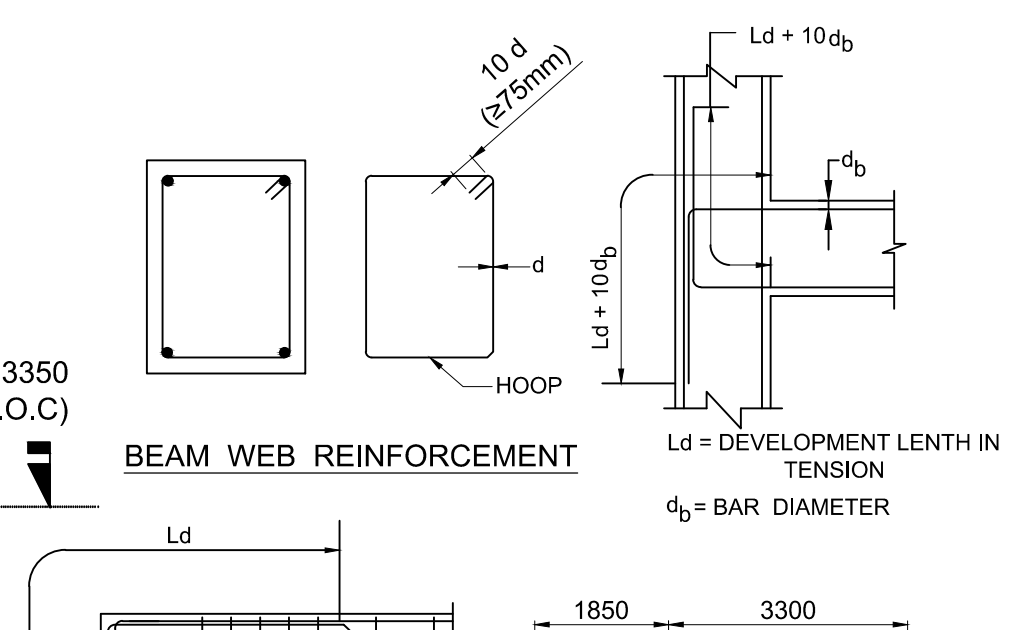


FOOTING MARK	SCHEDULE OF FOUNDATION									NO. OF FOOTING
	COLUMN MARK	LENGTH(L) (mm)	WIDTH(W) (mm)	THICKNESS(mm)		PEDESTAL		REINFORCEMENT		
				EDGE(E)	CENTER(C)	LENGTH(a)	WIDTH(b)	SHORTER SPAN(q)	LONGER SPAN(p)	
F1	C3	2000	2000	250	400	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 175 C/C	12T @ 175 C/C	1
F2	C1	2200	2200	250	400	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 175 C/C	12T @ 175 C/C	1
F3	C7,C10,C14,C17	2400	2400	250	400	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 175 C/C	12T @ 175 C/C	4
F4	C2,C13	2600	2600	250	450	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 175 C/C	12T @ 175 C/C	2
F5	C11	2800	2800	250	500	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 175 C/C	12T @ 175 C/C	1
F6	C12	3000	3000	250	500	+100 OF LEN OF COL.	+100 OF WID OF COL.	12T @ 125 C/C	12T @ 125 C/C	1
CF1	C16-C19	4150	2450	250	400			12T @ 150 C/C	10T @ 200 C/C	1
CF2	C15-C18	4875	3300	250	450			12T @ 125 C/C	10T @ 200 C/C	1
CF3	C4-C5-C6-C8-C9-LIFT	7300	7300	400	400			12T @ 175 C/C (AT LIFT PORTION) 12T @ 150 C/C (AT BOTTOM)	12T @ 175 C/C (AT LIFT PORTION) 12T @ 150 C/C (AT BOTTOM)	1

MKD.	SIZE	REINFORCEMENT				STIRRUP (2L-8T)	
		SUPPORT		SPAN		SUPPORT (s1)	SPAN (s2)
		TOP	BOTT.	TOP	BOTT.		
TB1	250	350	2-12T	2-12T	2-12T	100 C/C	150 C/C
TB2	200	350	3-12T	2-12T	3-12T	100 C/C	150 C/C
TB3	250	350	2-16T + 1-16T	2-12T + 1-16T	2-16T	100 C/C	150 C/C
TB4	250	350	2-16T	2-12T + 1-12T	2-16T	100 C/C	150 C/C
TB5	250	350	2-12T	3-12T	2-12T	100 C/C	150 C/C

MKD.	SIZE	REINFORCEMENT				STIRRUP (2L-8T)	
		SUPPORT		SPAN		SUPP. (s1)	SPAN (s2)
		TOP	BOTT.	TOP	BOTT.		
B1	250	400	2-16T+1-16T	2-12T	2-16T	2-12T+1-16T	100 C/C 150 C/C
B2	250	400	2-16T	2-12T+1-12T	2-16T	2-12T+1-12T	100 C/C 150 C/C
B3	250	400	2-12T	2-12T	2-12T	2-12T	100 C/C 150 C/C
B4	250	400	2-16T+2-16T	2-12T+1-16T	2-16T+2-16T	2-12T+1-16T	100 C/C 150 C/C
B5	250	400	3-16T+2-12T	3-12T+2-16T	2-16T	3-12T+2-16T	100 C/C 150 C/C
B6	250	400	3-16T+2-16T	3-12T	2-16T	3-12T+2-16T	100 C/C 150 C/C
B7	250	400	3-16T+2-12T	2-12T+1-16T	2-16T	2-12T+1-16T	100 C/C 150 C/C
B8	250	400	2-12T	3-12T	2-12T	3-12T	100 C/C 150 C/C
B9	250	400	3-16T+3-16T	2-12T+2-16T	3-16T	2-12T+2-16T	100 C/C 150 C/C
B10	250	400	3-16T+2-16T	2-12T+2-16T	3-16T	2-12T+2-16T	100 C/C 150 C/C
B11	250	400	2-16T	2-16T+2-16T	2-16T	2-16T+2-16T	100 C/C 150 C/C
B12	250	400	3-16T+2-16T	3-12T+2-16T	3-16T	3-12T+2-16T	100 C/C 150 C/C

MKD.	THICK	REINFORCEMENT							
		SHORTER SPAN				LONGER SPAN			
		SUPPORT		SPAN		SUPPORT		SPAN	
S1	110	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C
S2	125	8T @ 125 C/C	8T @ 250 C/C	8T @ 125 C/C	8T @ 125 C/C	8T @ 125 C/C	8T @ 250 C/C	8T @ 125 C/C	8T @ 250 C/C
S3	150	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C
S4	140	LONGITUDINAL REINFORCEMENT- 12T @ 150 C/C DISTRIBUTION STEEL - 8T @ 200 C/C							STAIR WAIST SLAB



SCHEDULE OF COLUMN			NO. OF COL.
COLUMN MKD.	REINFORCEMENT	SHAPE OF BAR	
	BELOW G.L. TO TOP LEVEL		
C1,C3,C10	8T @ 125 C/C (TYP.) WITH 2 C.L. PER SET		3
C2,C6,C11, C13,C14	8T @ 125 C/C (TYP.) WITH 2 C.L. PER SET		5
C4,C7,C16	8T @ 125 C/C (TYP.) WITH 2 C.L. PER SET		3
C8,C12,C19	8T @ 125 C/C (TYP.) WITH 3 C.L. PER SET		3
C15	8T @ 125 C/C (TYP.) WITH 2 C.L. PER SET		1
C17	8T @ 125 C/C (TYP.) WITH 3 C.L. PER SET		1
C9	8T @ 125 C/C (TYP.) WITH 3 C.L. PER SET		1
C18	8T @ 125 C/C (TYP.) WITH 3 C.L. PER SET		1
C5	8T @ 125 C/C (TYP.) WITH 1 C.L. PER SET		1
ST1,ST2,ST3 SC1,SC2,SC3	8T @ 125 C/C (TYP.) WITH 1 C.L. PER SET		6

NOTES & SPECIFICATIONS

- 1.ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
- 2.WRITTEN DIMENSIONS TO BE FOLLOWED.
- 3.ALL P.C.C. WORK WILL BE IN (1:3:6)
- 4.ALL BUILDING MATERIALS TO BE USED AS PER N.B.C. OF INDIA.
- 5.MINIMUM COVER FOR R.C.C. STRUCTURES :
FOR SLAB- 20 M.M.
FOR BEAM-25 M.M.
FOR COLUMN-40 M.M.
- 6.GRADE OF CONCRETE- M 20 (1:1.5:3).
- 7.GRADE OF STEEL - Fe 500
- 8.FOUNDATION DESIGNED CONSIDERING SOIL BEARING CAPACITY TO BE 8.4 T/SQM. AS PER SOIL REPORT.
9. FOUNDATION DEPTH= -1.5 M BELOW GROUND LEVEL.
10. THE STRUCTURAL DESIGN IS MADE CONSIDERING G+III STORIED STRUCTURE .

STRUCTURAL CERTIFICATE

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 LOADS AS PER N.B.C. OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SAMIRAN MUKHERJEE
GEOTECH
G.T.E-30(CLASS-1)
A/28 , ATABAGAN ,
P.O.-LASKARPUR ,
PIN-700153

SOURMEN DEY
L.B.S. NO.- 102(CLASS-I)

NAME OF L.B.S. NAME OF G.T.E.

SAMIRAN MUKHERJEE
B.C.E.
E.S.E. NO. - 57
A-28 , ATABAGAN , GARIA ,
KOLKATA -700084

BELA BHATTACHARYA

NAME OF E.S.E. NAME OF OWNER

STRUCTURAL DRAWING OF PROPOSED G+ III RESIDENTIAL BUILDING PLAN AT MOUZA - BORAL , J.L. No.- 61 ,R.S. DAG NO. - 392 & 393 , L.R. DAG NO.- 518 & 519 ,R.S. KHATIAN NO. - 196 & 240 , L.R. KHATIAN NO. - 4320 , WARD No.- 34 , HOLDING No.- 244 , BORAL -B , P.S.-NARENDPUR (NEW) SONARPUR (OLD) , DIST.-24 PARGANA(S).

UNDER RAJPUR SONARPUR MUNICIPALITY.
OWNERS' NAME SMT. BELA BHATTACHARYA .

TITLE
DETAILS OF:-
FOUNDATION,FOUNDATION BEAM,STOOL COLUMN,
LIFT,COLUMN,TIE-BEAM,BEAM & SLAB.

STRUCTURAL SHEET

SCALE - 1:100 & AS NOTED