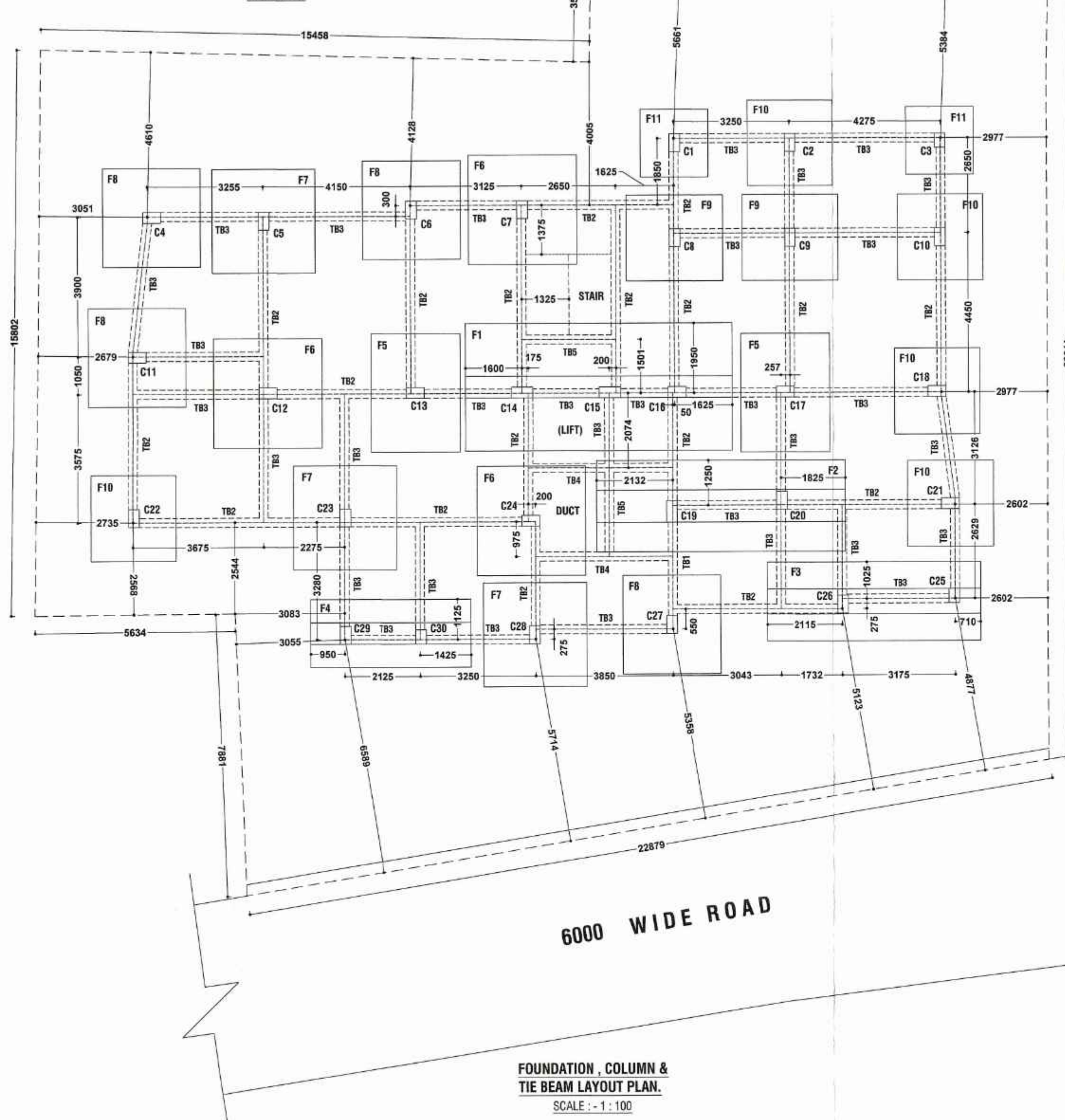
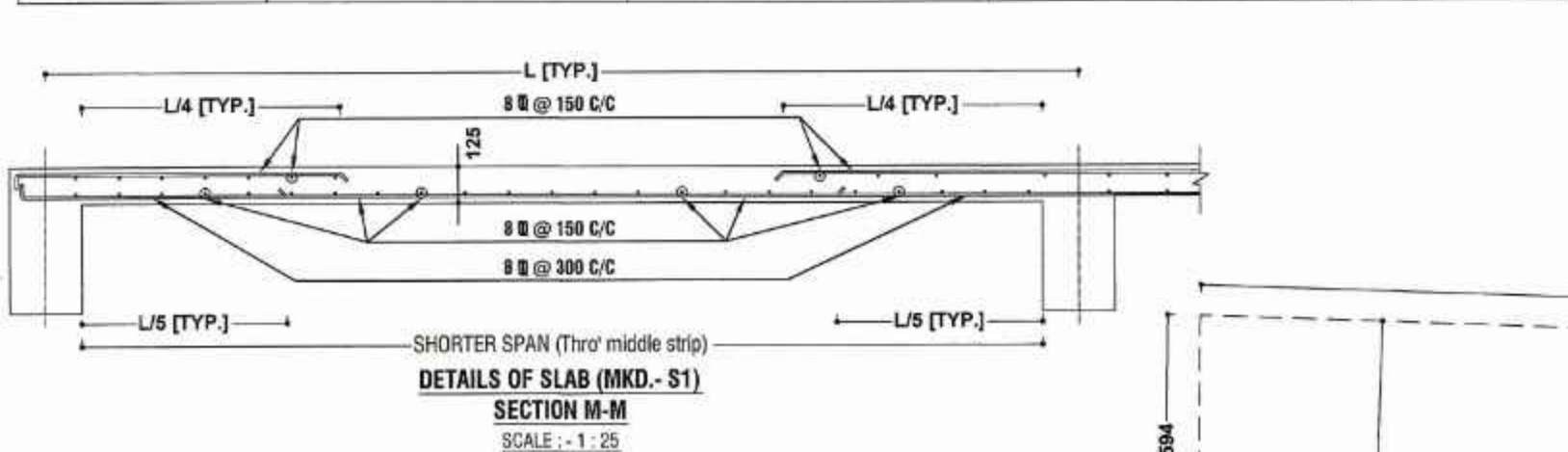
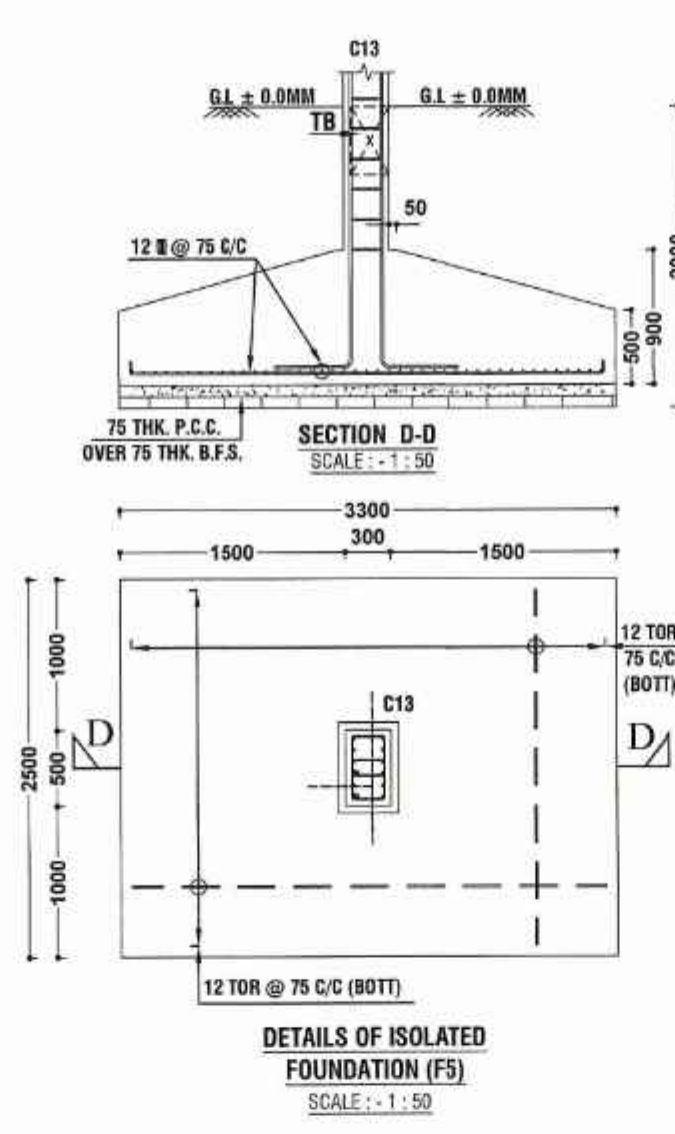
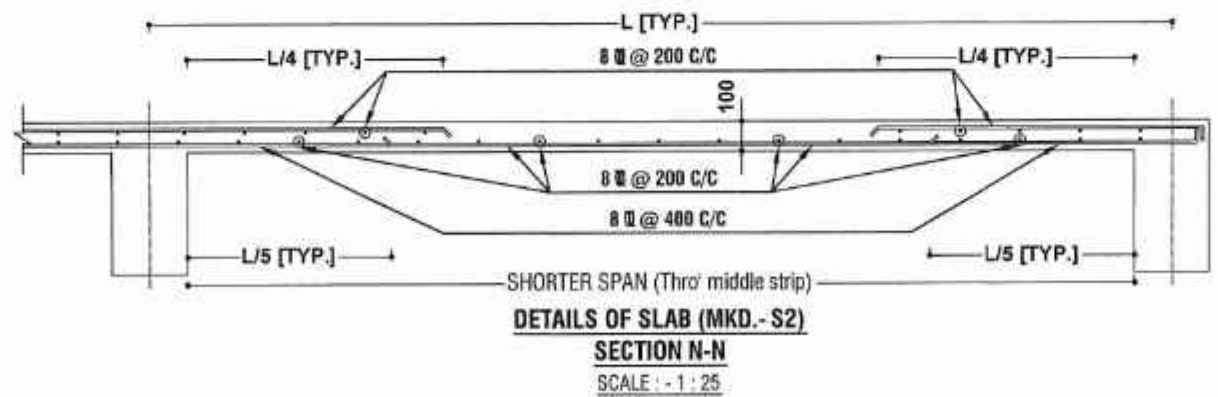


SCHEDULE OF R.C.C. COLUMNS				
COLUMN MKD.	SIZE & REINFORCEMENT FROM BASE TO 2ND. FL. LVL.	SIZE & REINFORCEMENT FROM 2ND. FL. LVL. TO 3RD. FL. LVL.	SIZE & REINFORCEMENT FROM 3RD. FL. LVL. TO ABOVE FL. LVL.	STIRRUP
C14,C15,C19	300 X 500 6-20# 6-20#	300 X 500 4-20# 2-16#	300 X 500 4-16# 2-12#	8 TOR @ 200 C/C
C4,C5,C6,C7,C11, C12,C13,C20, C22,C23,C24, C26,C27,C28	300 X 500 6-20# 6-20#	300 X 500 4-20# 2-16#	300 X 500 4-16# 2-12#	8 TOR @ 200 C/C
C8,C9,C16,C17	300 X 500 6-16# 6-16#	300 X 500 4-16# 2-12#	300 X 500 4-12# 6-12#	8 TOR @ 200 C/C
C1,C2,C10, C18,C21,C29	300 X 500 4-16# 4-16#	300 X 500 2-16# 2-12#	300 X 500 4-12# 2-12#	8 TOR @ 200 C/C
C3,C25,C30	300 X 400 4-16# 4-16#	300 X 400 2-16# 2-12#	300 X 400 4-12# 2-12#	8 TOR @ 200 C/C

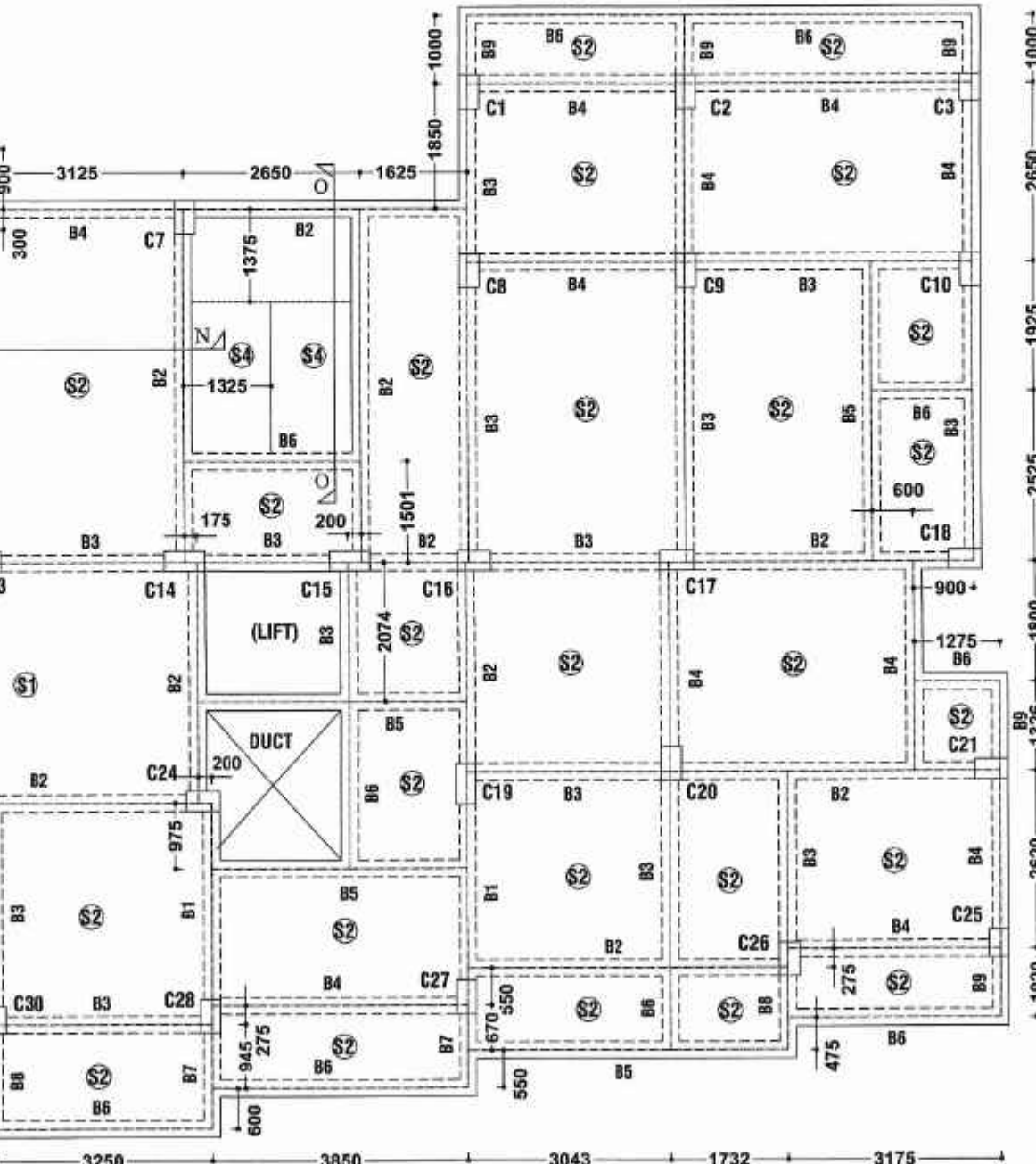
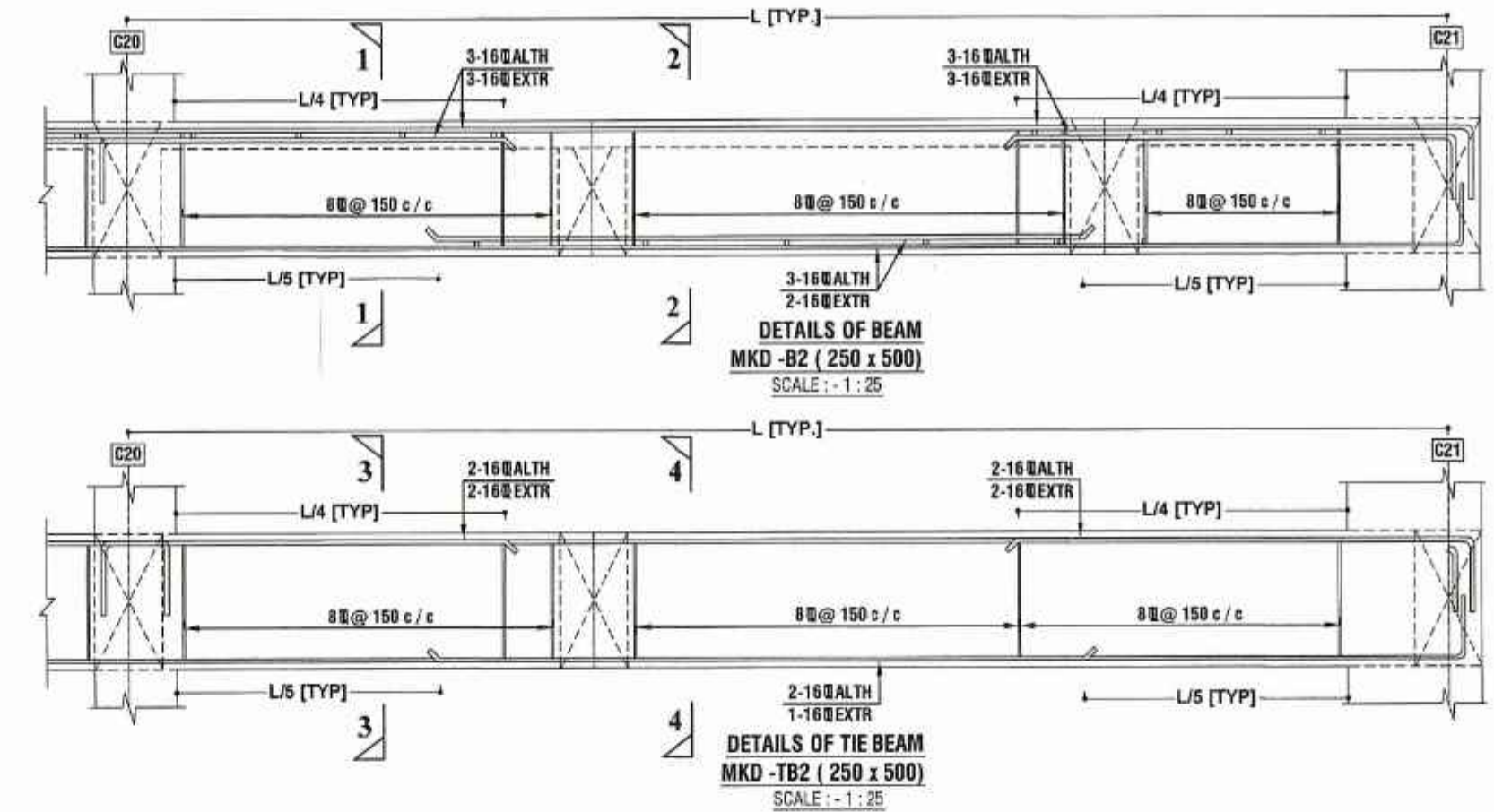
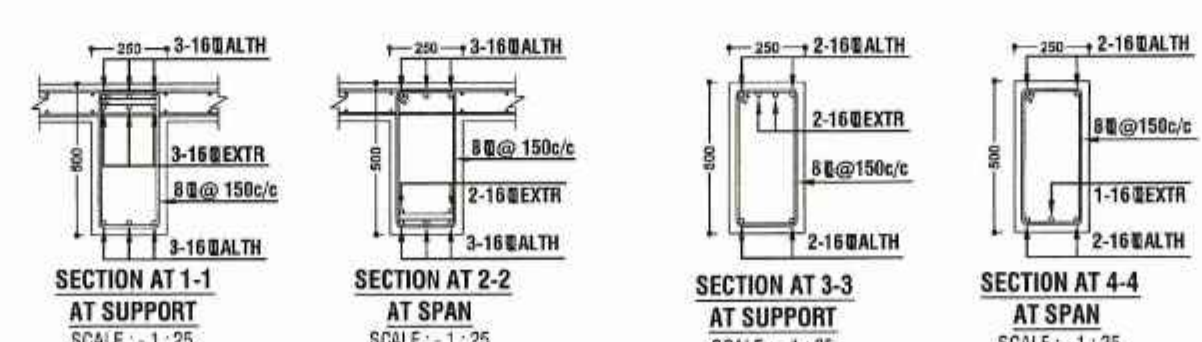


SCHEDULE OF R.C.C. BEAMS						
BEAM MKD.	BEAM SECTION	SIZE & REINFORCEMENT AT SUPPORT		STIRRUP AT SUPPORT		STIRRUP AT SPAN
		TOP	BOTTOM	TOP	BOTTOM	
B1	250X500	3-20# 4-20#	3-16# 3-16#	10 TOR 2L @ 125 C/C	3-20# 3-16#	10 TOR 2L @ 125 C/C
B2	250X500	3-16# 3-16#	3-16# 3-16#	8 TOR 2L @ 150 C/C	3-16# 2-16#	8 TOR 2L @ 150 C/C
B3	250X500	2-16# 3-16#	3-12# 3-12#	8 TOR 2L @ 150 C/C	2-16# 2-12#	8 TOR 2L @ 200 C/C
B4	250X500	2-16# 2-16#	3-12# 3-12#	8 TOR 2L @ 200 C/C	2-16# 3-12#	8 TOR 2L @ 200 C/C
B5	450X200	4-16# 3-16#	3-16# 3-16#	8 TOR 2L @ 125 C/C	4-16# 2-16#	8 TOR 2L @ 125 C/C
B6	250X500	2-16# 2-16#	3-16# 3-16#	8 TOR 2L @ 150 C/C	2-16# 3-16#	8 TOR 2L @ 200 C/C
B7	250X500	2-16# 2-16#	3-16# 3-16#	8 TOR 2L @ 200 C/C	2-16# 3-16#	8 TOR 2L @ 200 C/C
B8	250X500	5-20# 3-12#	3-12# 3-12#	8 TOR 2L @ 125 C/C	5-20# 3-12#	8 TOR 2L @ 125 C/C
B9	250X500	6-16# 3-12#	3-12# 3-12#	8 TOR 2L @ 125 C/C	6-16# 3-12#	8 TOR 2L @ 125 C/C
TB1	250X500	3-16# 3-16#	2-16# 2-16#	8 TOR 2L @ 150 C/C	3-16# 2-16#	8 TOR 2L @ 150 C/C
TB2	250X500	2-16# 2-16#	2-16# 2-16#	8 TOR 2L @ 150 C/C	2-16# 2-16#	8 TOR 2L @ 200 C/C
TB3	250X500	2-16# 2-16#	2-16# 2-16#	8 TOR 2L @ 200 C/C	2-16# 2-16#	8 TOR 2L @ 200 C/C
TB4	250X500	2-16# 2-16#	3-16# 3-16#	8 TOR 2L @ 150 C/C	2-16# 3-16#	8 TOR 2L @ 200 C/C
TB5	250X500	2-16# 2-16#	2-16# 2-16#	8 TOR 2L @ 200 C/C	2-16# 2-16#	8 TOR 2L @ 200 C/C

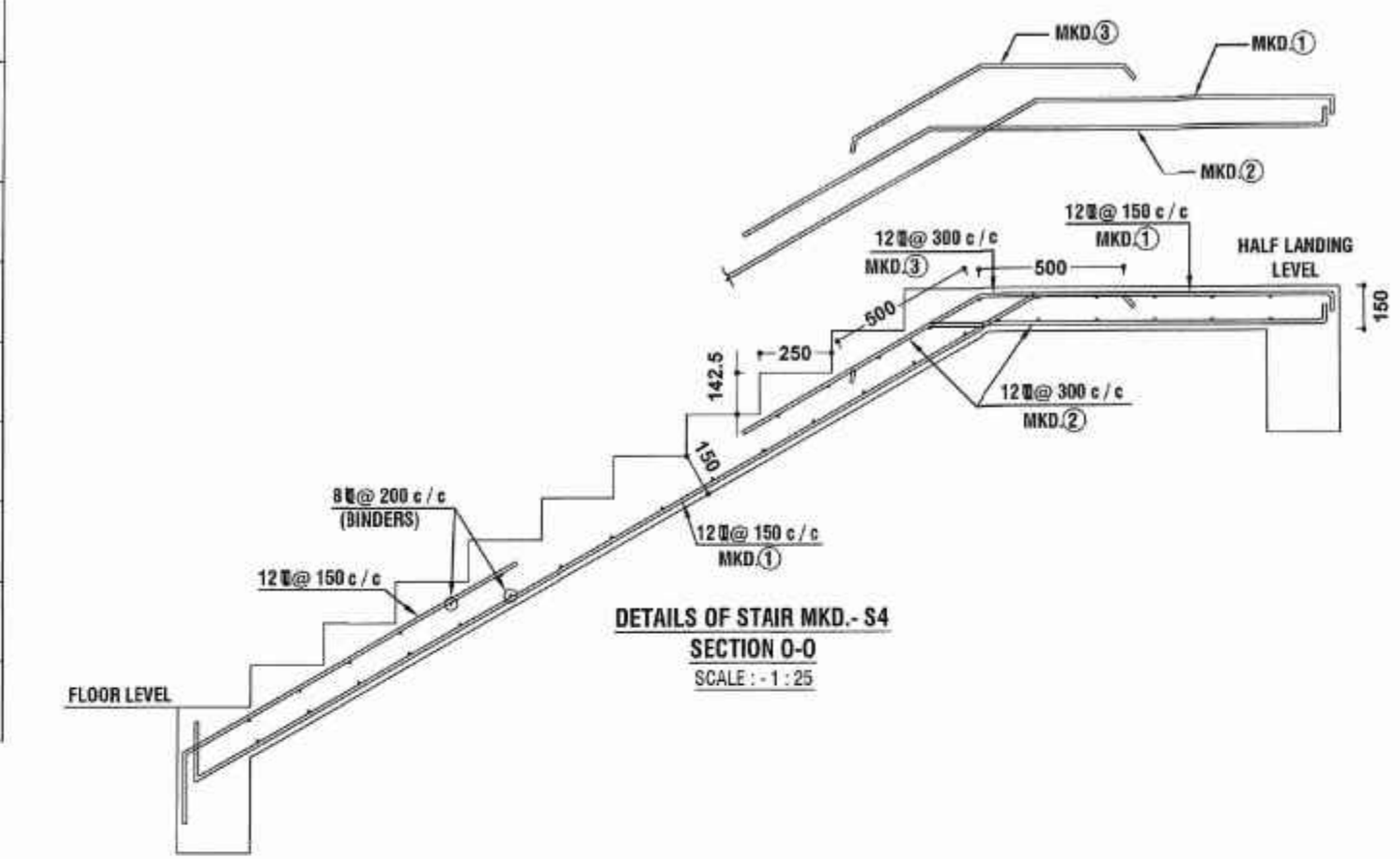
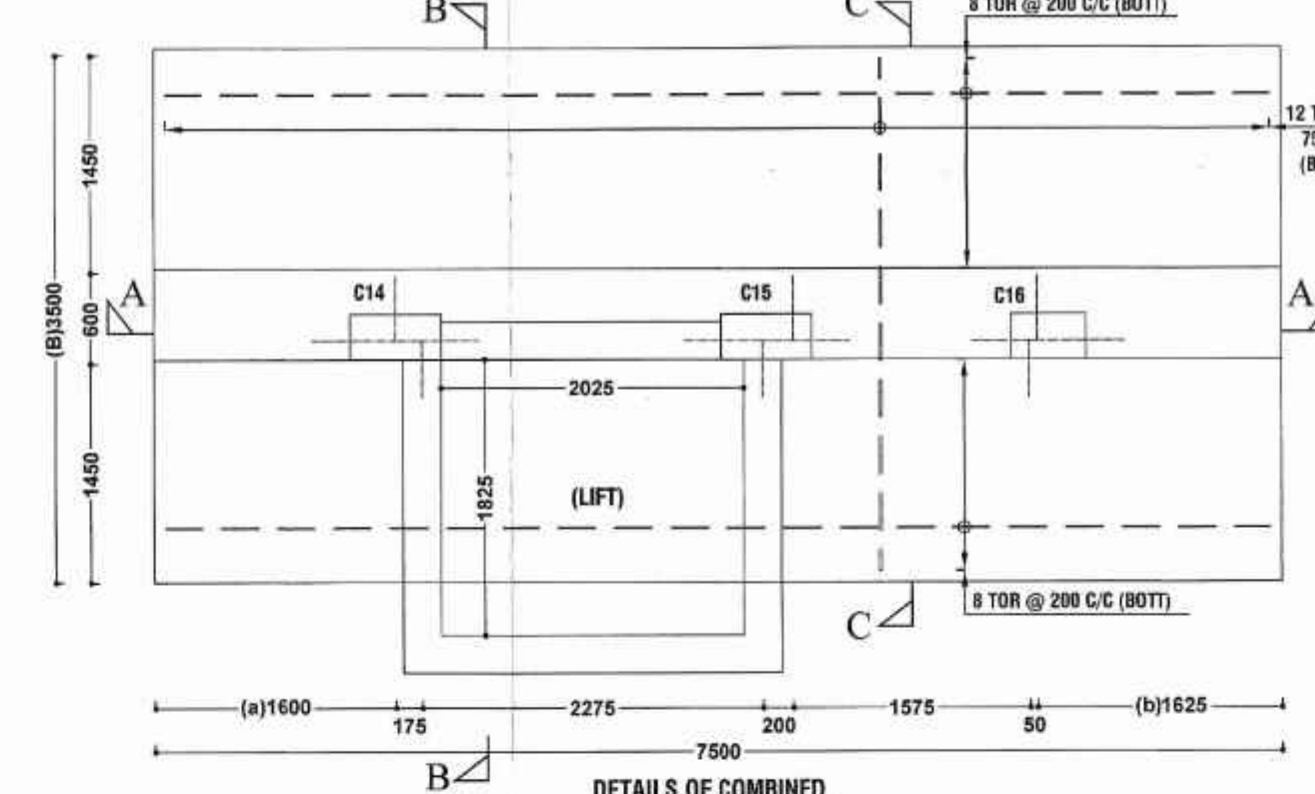
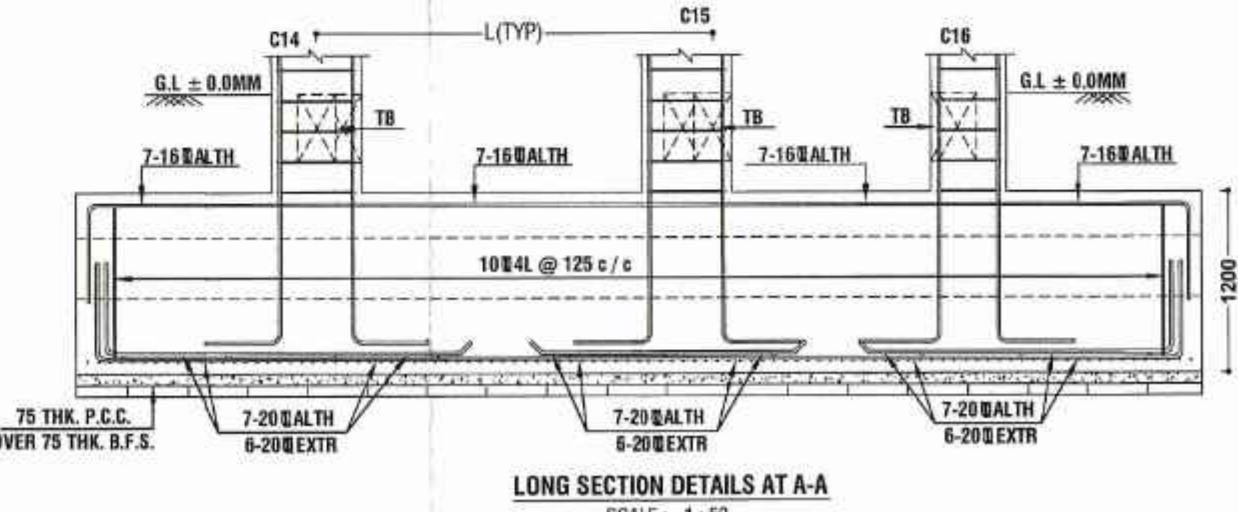
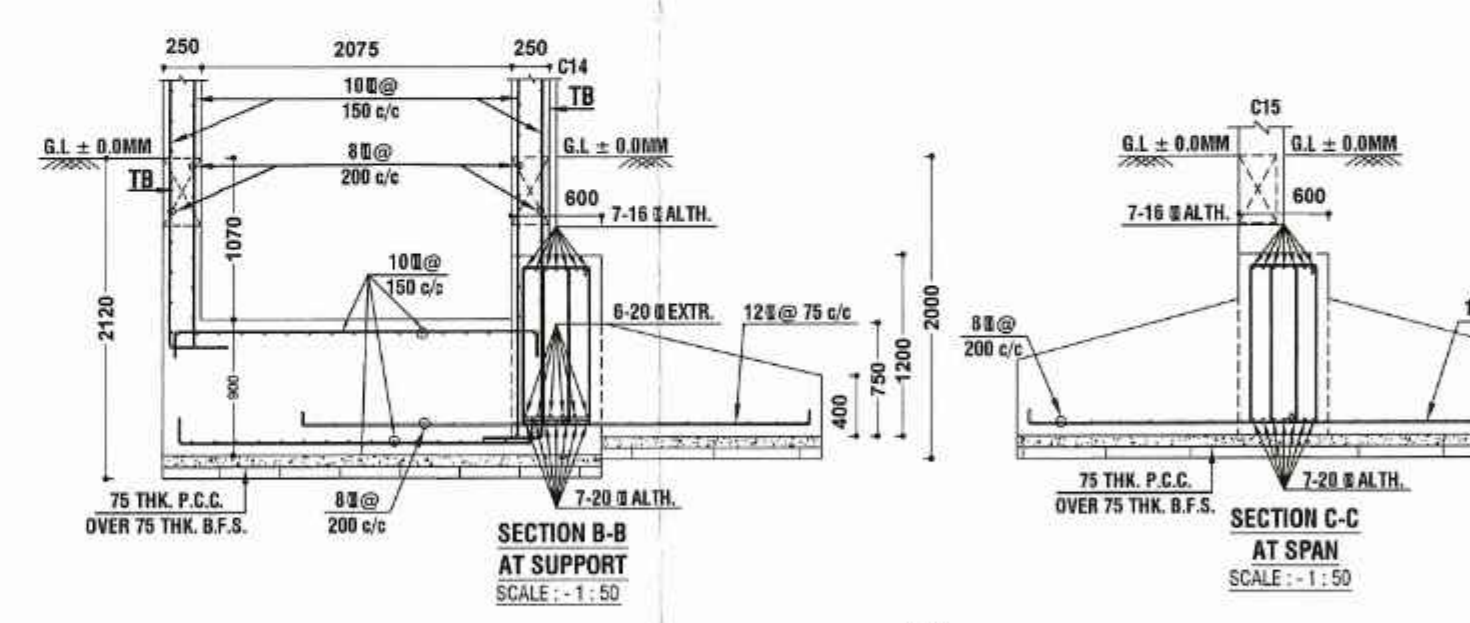


SCHEDULE OF COMBINED FOUNDATIONS										
FNDL MKD.	UNDER COLUMN	SIZE OF FND.	SLAB DIMENSIONS				INVERTED T BEAM			
			(a) M	(b) M	(c) M	(d) M	BEAM SIZE MM X MM	LONG REINFORCEMENT AT SUPPORT	LONG REINFORCEMENT AT SPAN	STIRRUP
F1	C14+C15+C16	3550 X 7500	1.6 AT C15	1.625 AT C15	3.55	3.55	900 X 600	7-16#	7-20# + 6-20#	7-16#
F2	C19+C20	2550 X 7000	2.132 AT C19	1.825 AT C19	2.55	2.55	900 X 600	8-16#	8-16# + 7-16#	8-16#
F3	C26+C25	2200 X 6000	2.115 AT C25	0.71 AT C24	2.20	2.20	700 X 300	7-16#	7-16# + 6-16#	7-16#
F4	C29+C30	1900 X 4500	0.85 AT C29	1.425 AT C29	1.90	1.90	600 X 600	4-16#	4-16# + 3-16#	4-16#

SCHEDULE OF R.C.C. SLABS				
SLAB MKD	THICKNESS (mm)	REINFORCEMENT PARALLEL TO SHORTER DIRECTION		REINFORCEMENT PARALLEL TO LONGER DIRECTION
		AT MIDDLE SPAN	AT END SPAN	AT MIDDLE SPAN
S1	125	8# @ 150 c/c (bot.)	8# @ 150 c/c (top)	8# @ 150 c/c (bot.)
S2	100	8# @ 200 c/c (bot.)	8# @ 200 c/c (top)	8# @ 200 c/c (bot.)
S3	150	8# @ 100 c/c (top)	8# @ 100 c/c (top)	8# @ 200 c/c (top & bot.)
S4	150	8# @ 200 c/c (bot.)	8# @ 200 c/c (bot.)	12# @ 150 c/c (bot.)



SCHEDULE OF ISOLATED FOUNDATIONS					
FNDL MKD.	UNDER COLUMN	SIZE OF FOUNDATION	THICKNESS (MM)		REINFORCEMENT BOTHWAYS AT BOTTOM
			AT HEEL	AT TOE	
F5	C13,C17	3300X2500	900	500	12 TOR @ 75 C/C
F6	C7,C12,C24	3050X3050	900	500	12 TOR @ 75 C/C
F7	C5,C23,C28	2900X2900	600	300	12 TOR @ 75 C/C
F8	C4,C6,C11,C27	2750X2750	600	300	12 TOR @ 75 C/C
F9	C8,C9	2700X2400	600	300	12 TOR @ 75 C/C
F10	C2,C10,C16,C21,C22	2400X2400	600	300	12 TOR @ 150 C/C
F11	C1,C3	1900X1900	450	200	12 TOR @ 150 C/C



- SPECIFICATIONS**
- DEPTH OF FOUNDATION IS AT 2.0 M. BELOW EXISTING G.L.
 - SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT
 - FOUNDATIONS MUST BE PLACED WITH RESPECT TO THE CENTRE OF THE COLUMNS.
 - GRADE OF CONCRETE IS M-20 (1:1.5:3, NOMINAL MIX) AND GRADE OF STEEL IS Fe-500.
 - CLEAR COVER TO MAIN REINFORCEMENT IS AS PER BELOW:-
 - FOUNDATION - 75 MM
 - COLUMN - 40 MM
 - BEAM - 25 MM
 - SLAB - 20 MM
 - ALL SLABS MUST BE MONOLITHIC WITH SUPPORTING BEAM.
 - ALL OTHER SPECIFICATIONS AS PER NATIONAL BUILDING CODE OF INDIA

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

Saha
TUSHAR BARAN PAHARI
ME (Structural)
P-32, Parkside Plaza, 4th Floor, 3A,
TUSHAR-BARAN PAHARI
B.E.E. NO. 1748
CHARTERED ENGINEER
REG. NO. 1748
BIS OF STRUCTURAL ENGINEER

SIGNATURE OF L.B. ARCHITECT

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TUSHAR BARAN PAHARI
ME (Structural)
P-32, Parkside Plaza, 4th Floor, 3A,
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B.E.E. NO. 1748
CHARTERED ENGINEER
REG. NO. 1748
BIS OF STRUCTURAL ENGINEER

SIGNATURE OF OWNER

STRUCTURAL DRAWING OF A PROPOSED FIVE STORIED (G+3+1 EXTRA FLOOR) RESIDENTIAL (APARTMENT) BUILDING OF SRI NITHUR SAHA, OVER R.S. PLOT NO. - 1000, 1006, L.R. PLOT NO. - 2077, 2555 OF MOUZA - BIRBHANPUR, J.L.NO. - 91, P.S. - COKE-OVEN, DIST - PASCHIM BARDHAMAN.

** HOLDING NO. - 580/N
** I.D.NO. -
** CIRCLE/WARD NO.-41
** ADDRESS - RD 87-BIRBHANPUR VILLAGE DGP-02.