

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
C5, C12	250 X 500 6-16 6-16	250 X 500 4-16 2-12 4-16	250 X 500 6-12 6-12	8 TOR @ 200 C/C
C6, C13	250 X 500 4-16 4-16	250 X 500 2-16 2-12 2-16	250 X 500 4-12 4-12	8 TOR @ 200 C/C
C7, C9, C10, C11, C14, C15, C16, C17, C18, C19, C20, C21, C24	250 X 400 4-16 4-16	250 X 400 2-16 2-12 2-16	250 X 400 4-12 4-12	8 TOR @ 200 C/C
C1, C2, C3, C4, C8, C22, C23	250 X 350 4-16 4-16	250 X 350 2-16 2-12 2-16	250 X 350 4-12 4-12	8 TOR @ 200 C/C

SCHEDULE OF R.C.C. BEAMS

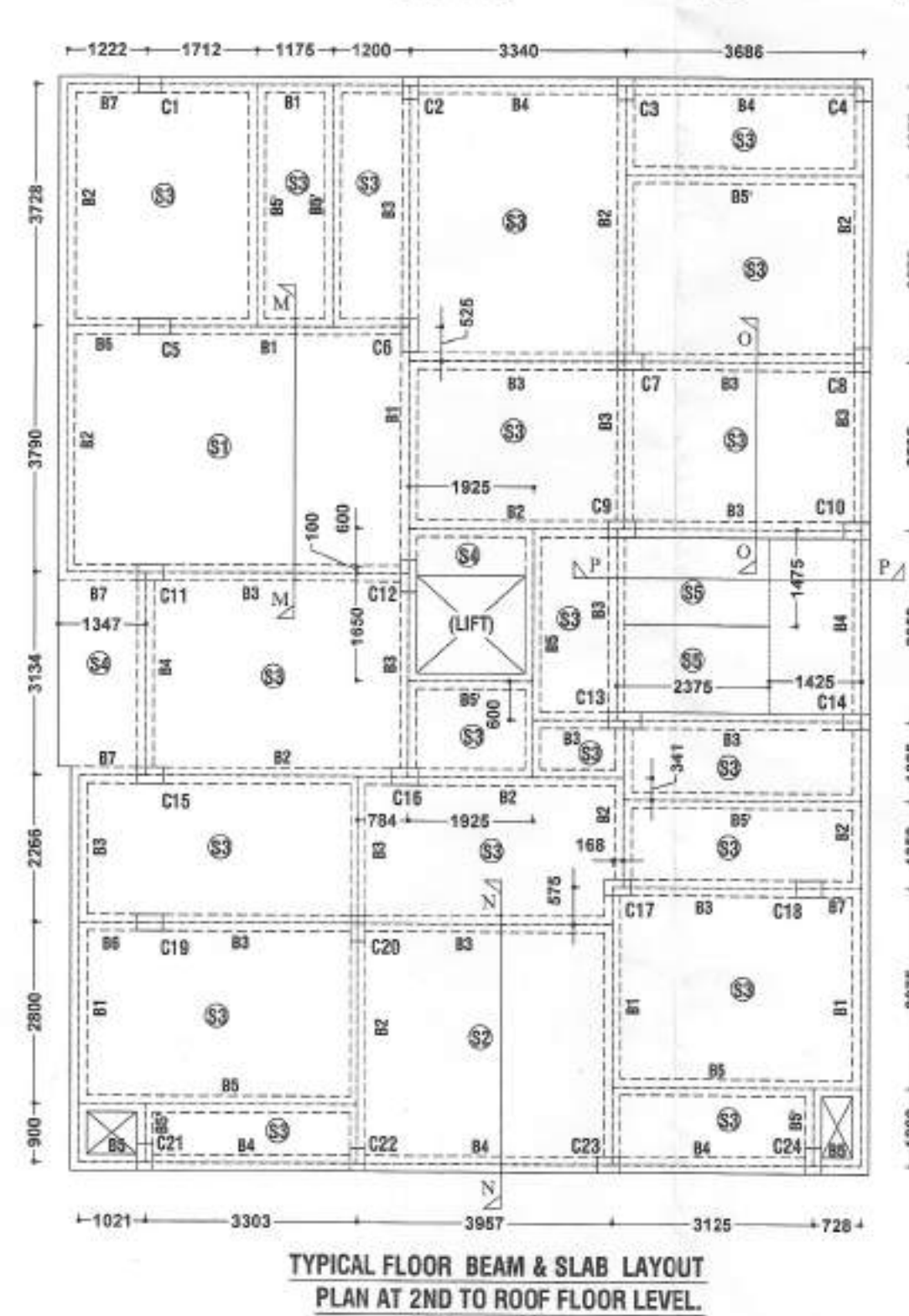
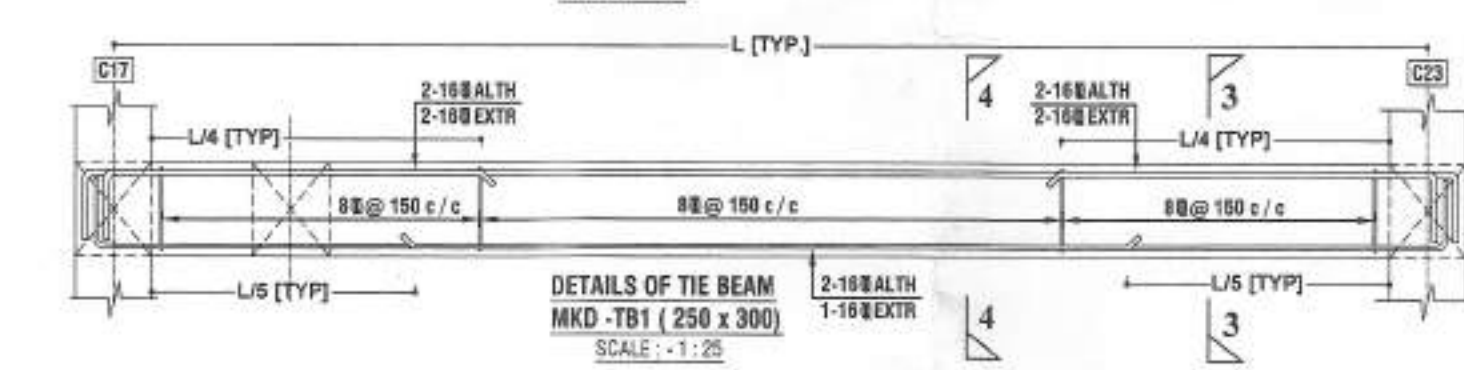
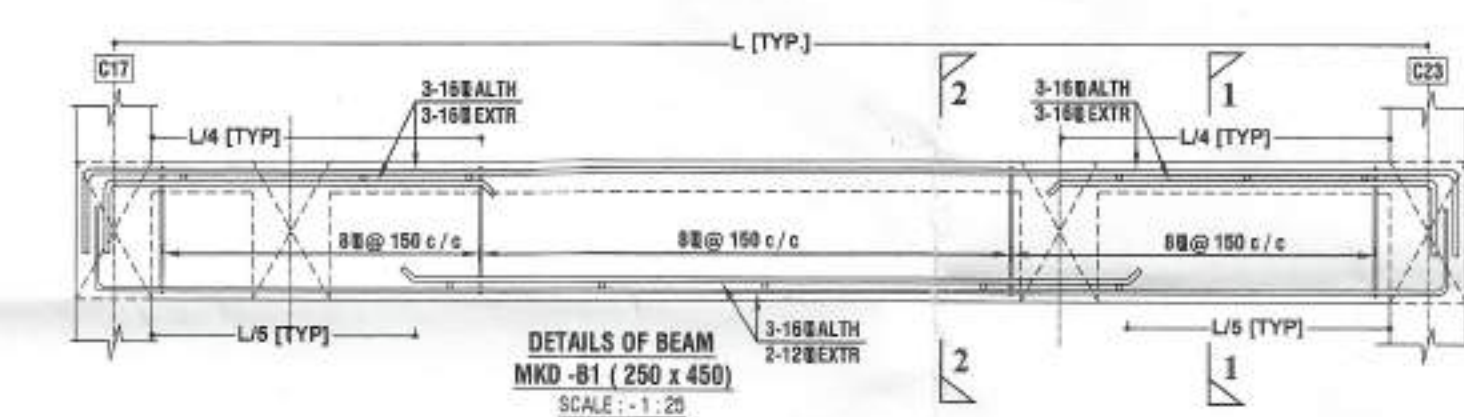
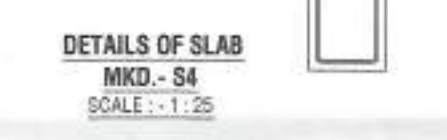
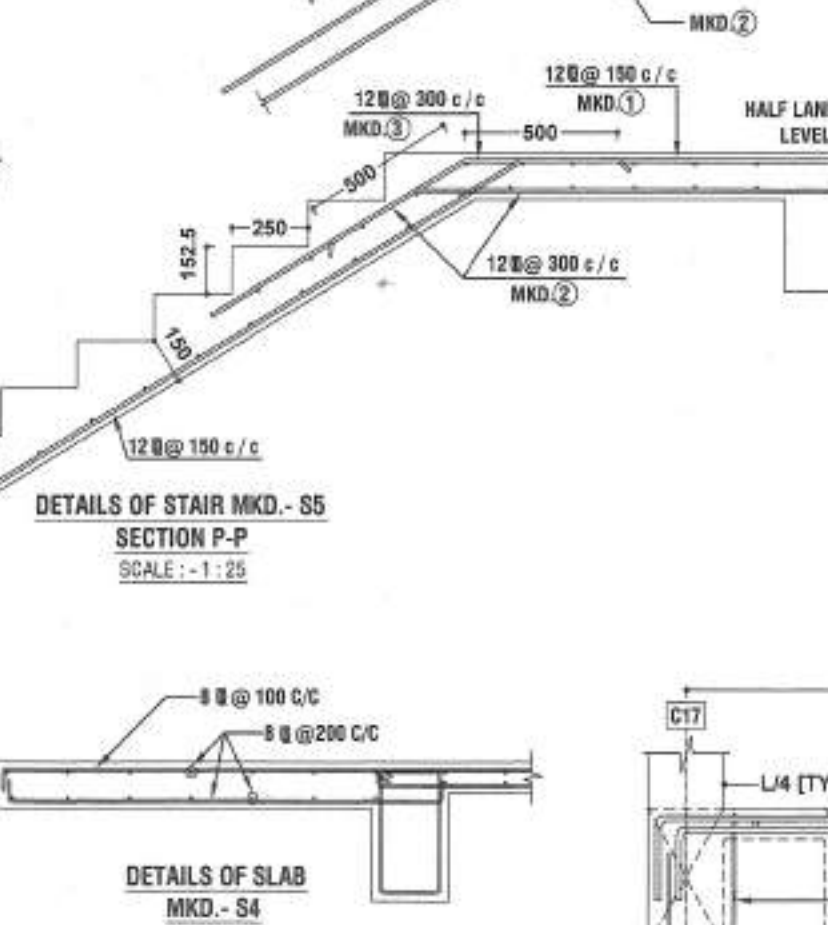
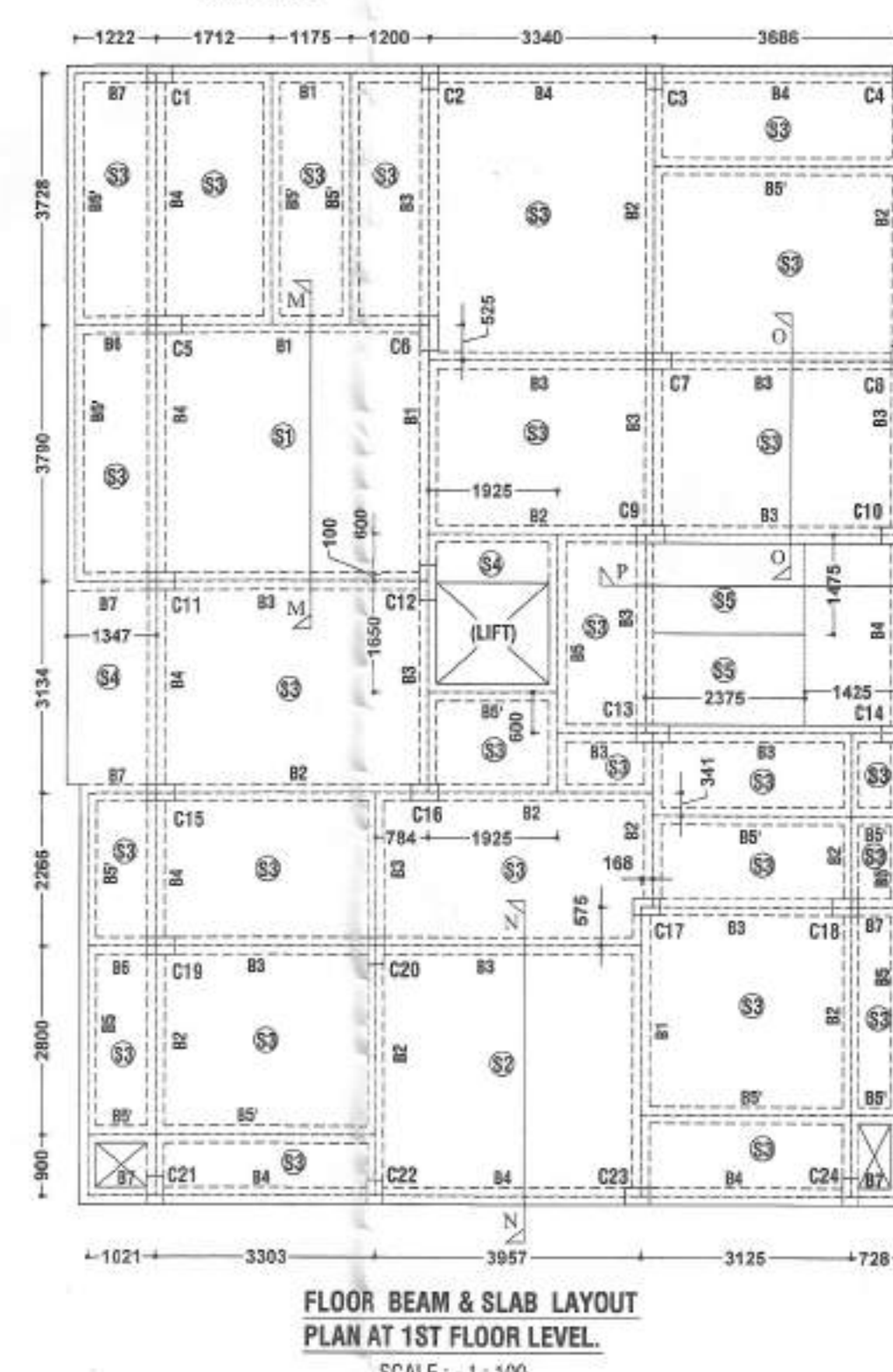
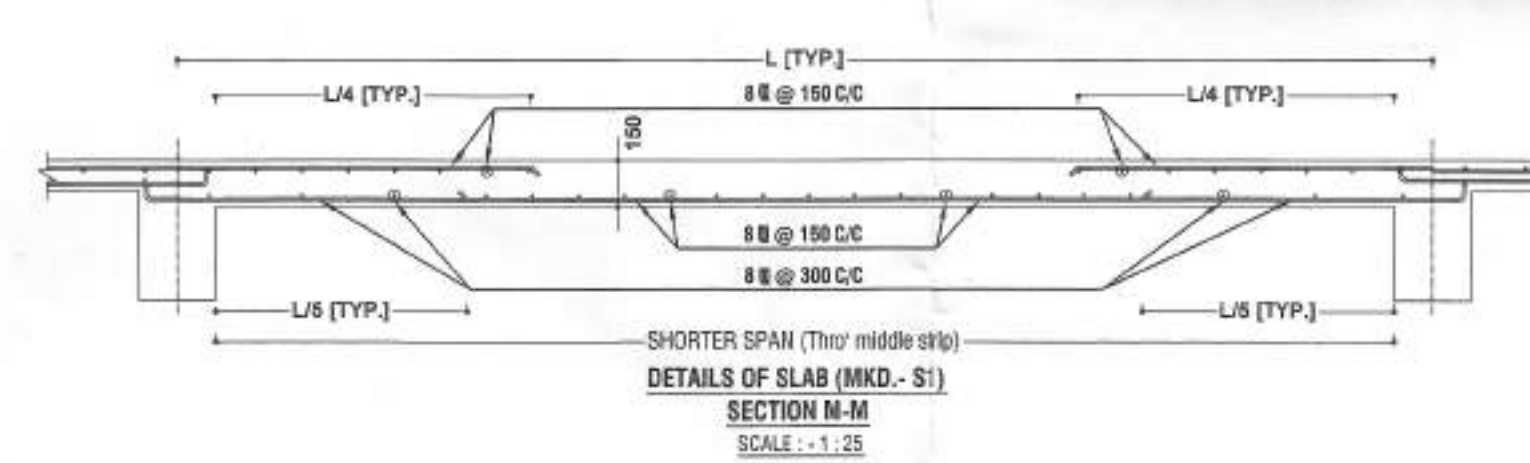
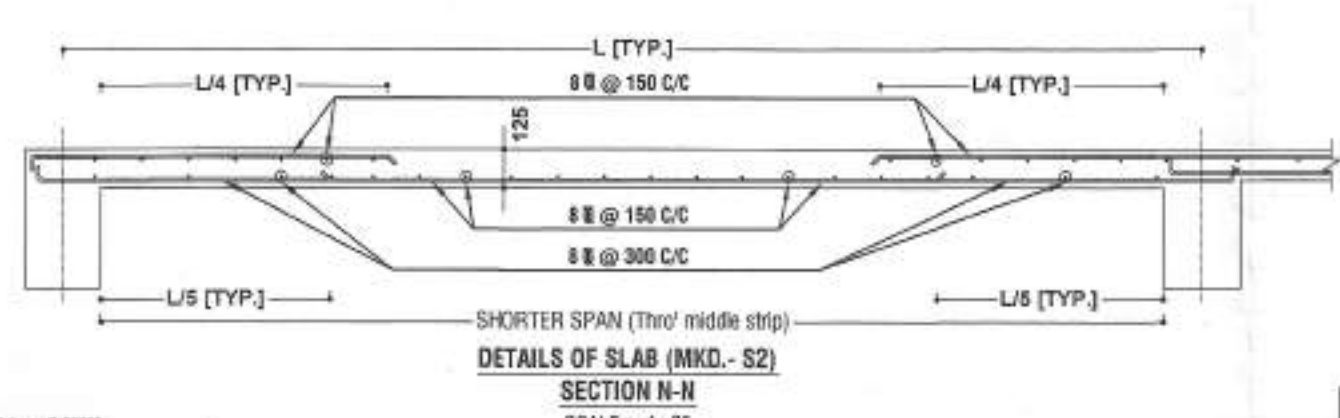
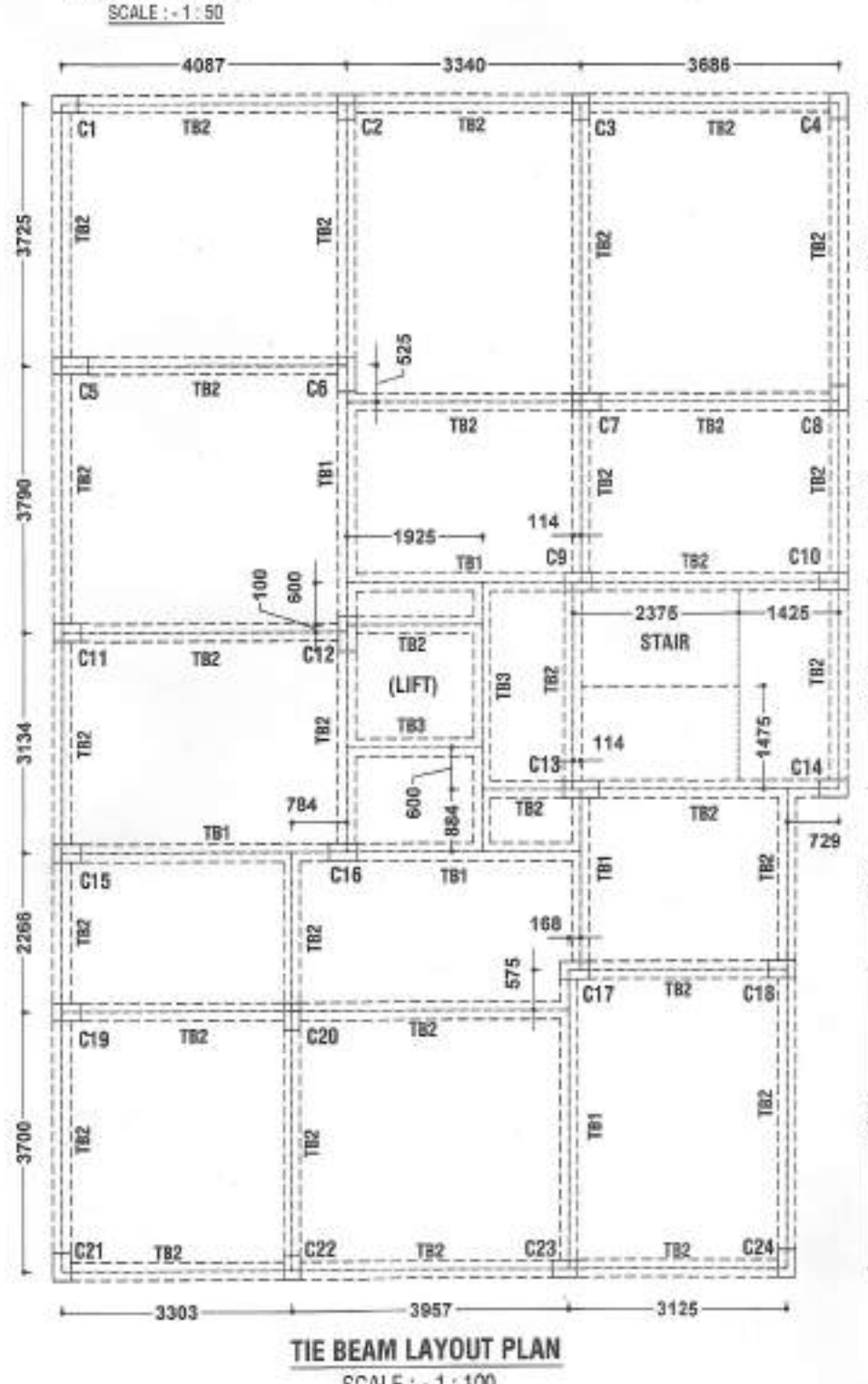
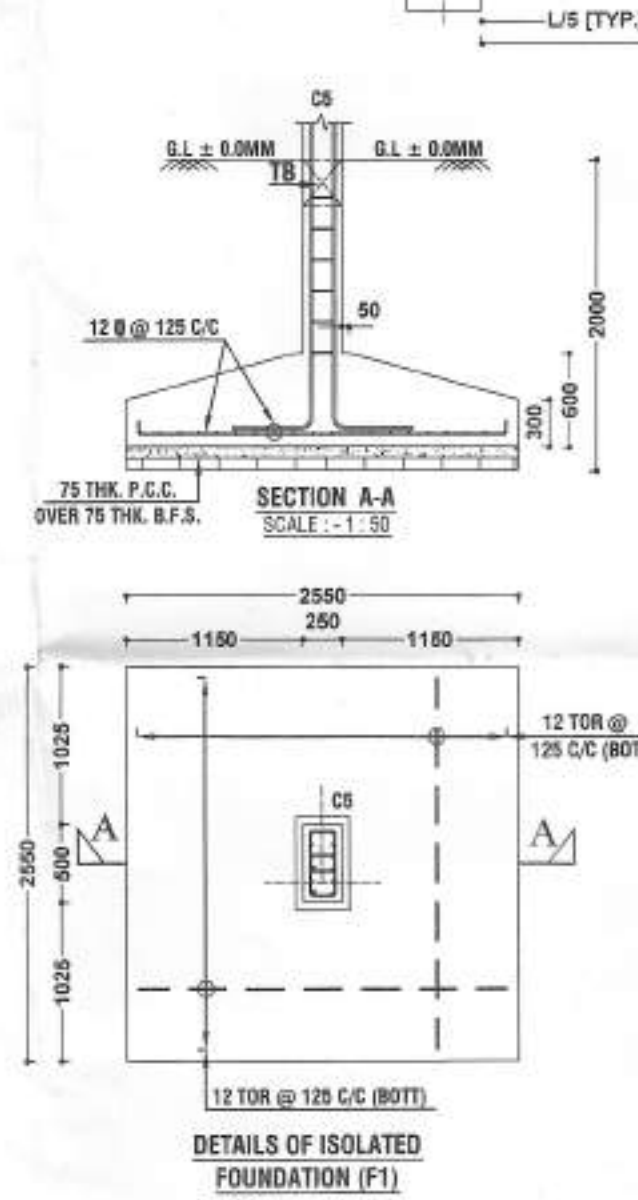
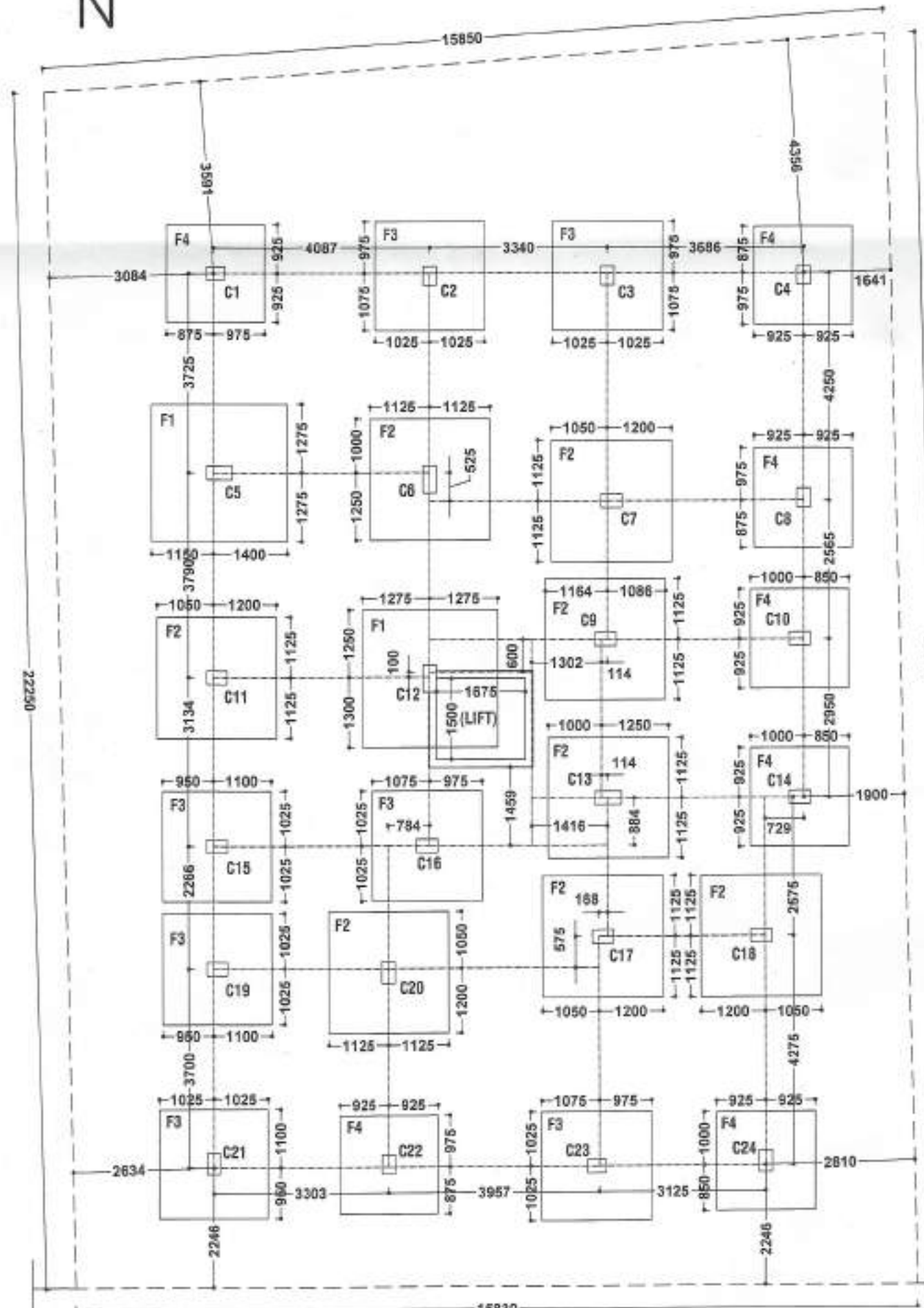
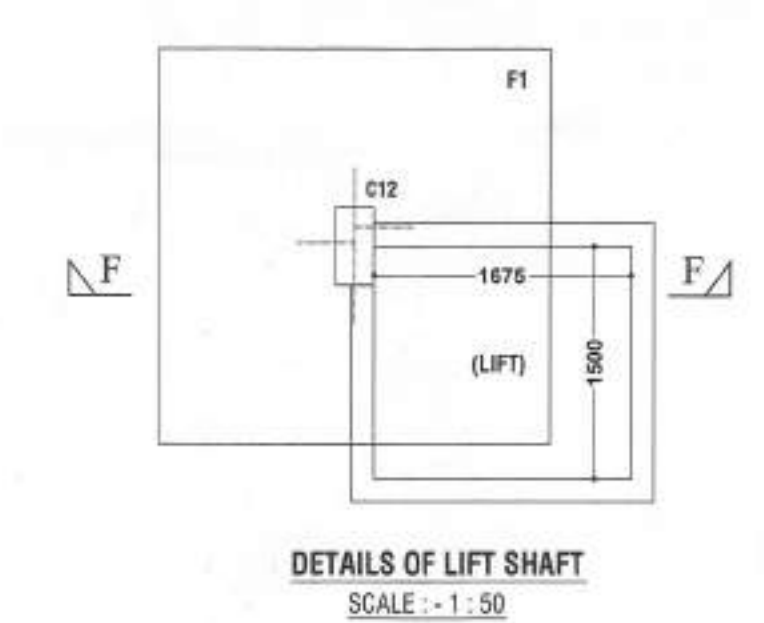
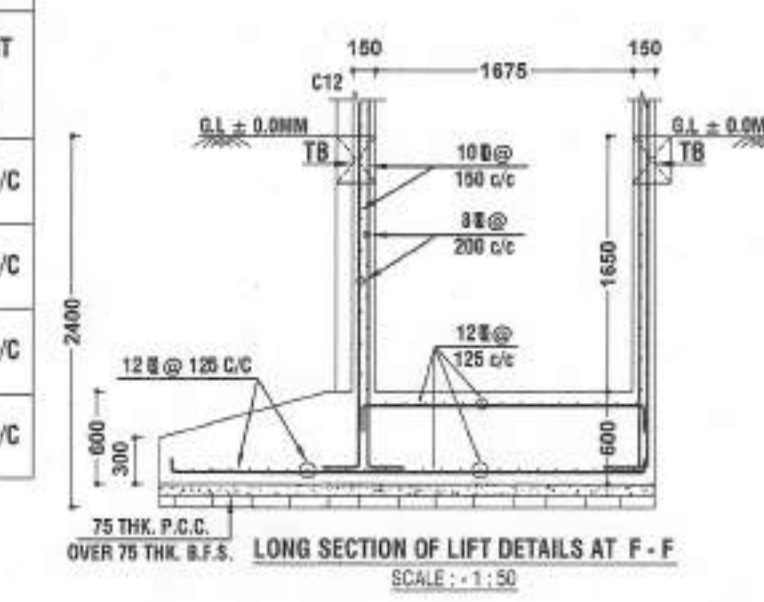
BEAM MKD.	BEAM SECTION	SIZE & REINFORCEMENT AT SUPPORT	STIRRUP AT SUPPORT	SIZE & REINFORCEMENT AT SPAN	STIRRUP AT SPAN
B1	250X450	3-16 3-16	8 TOR 2L @ 150 C/C	3-16 3-16	8 TOR 2L @ 150 C/C
B2	250X450	2-16 2-16	8 TOR 2L @ 150 C/C	2-16 2-16	8 TOR 2L @ 150 C/C
B3	250X450	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C
B4	250X450	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C
B5	250X450	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C
B5'	250X350	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C
B6	250X450	6-16 3-12	8 TOR 2L @ 125 C/C	6-16 3-12	8 TOR 2L @ 125 C/C
B7	250X450	5-16 3-12	8 TOR 2L @ 125 C/C	5-16 3-12	8 TOR 2L @ 125 C/C
TB1	250X300	2-16 2-16	8 TOR 2L @ 150 C/C	2-16 2-16	8 TOR 2L @ 150 C/C
TB2	250X300	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C
TB3	250X300	2-16 2-16	8 TOR 2L @ 200 C/C	2-16 2-16	8 TOR 2L @ 200 C/C

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
S1	150	8 @ 150 c/c (top)	8 @ 150 c/c (top)
S2	125	8 @ 150 c/c (top)	8 @ 150 c/c (top)
S3	100	8 @ 200 c/c (top)	8 @ 200 c/c (top)
S4	150	8 @ 100 c/c (top)	8 @ 200 c/c (top & bott.)
S5	150	8 @ 200 c/c (bott.)	12 @ 150 c/c (bott.)

SCHEDULE OF ISOLATED FOUNDATIONS

FDN. MKD.	UNDER COLUMN	SIZE OF FOUNDATION	THICKNESS (MM)	REINFORCEMENT BOTHWAYS AT BOTTOM
F1	C5, C12	2500X2500	600	12 TOR @ 125 C/C
F2	C6, C7, C9, C11, C13, C17, C18, C20	2250X2250	450	12 TOR @ 125 C/C
F3	C2, C3, C15, C16, C19, C21, C23	2050X2050	450	12 TOR @ 175 C/C
F4	C1, C4, C8, C10, C14, C22, C24	1850X1850	450	12 TOR @ 175 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 & 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.

Tushar Baran Pahari

TUSHAR BARAN PAHARI
M.E. (STRUCTURE), MGS.
E.S.E. NO. 1746
CHARTERED ENGINEER
(M)-10101010
SIG. OF STRUCTURAL ENGINEER

Shilprasad Sarkar
Shilprasad Sarkar
Civil Engineer, Planner, Estimator
Licence No. L-119, Mouza - BHIRINGI,
P.S.-DURGAPUR, DIST - PAS

Tushar Baran Pahari

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M.E. (STRUCTURE)
D1-19/1, New Jyotiba, Maheshwala
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Empanelled Geotechnical
Engineer of K.M.C. No. G.T/148

TUSHAR BARAN PAHARI
EMPAANELLED GEOTECHNICAL
ENGINEER OF K.M.C. NO. G.T/148
SIGNATURE OF GEO-TECHNICAL ENGINEER

Biswarup Shil

SIGNATURE OF OWNER

STRUCTURAL DRAWING OF A PROPOSED G+3 STORIED RESIDENTIAL APARTMENT OF SRI. BISWARUP SHIL, OVER R.S PLOT NO. - 1503(P), L.R. - 3920(P), KHATAN NO. - 14043 (L.R.), J.L. NO. - 119, MOUZA - BHIRINGI, P.S.-DURGAPUR, DIST - PAS

* HOLDING NO- 1186/N.
* ASSESSMENT NO.-330940
* STREET- SRINAGAR PAL
DURGAPUR-713213.

