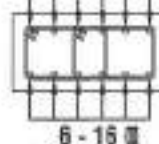
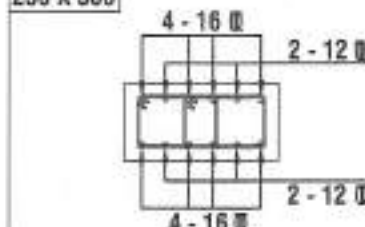
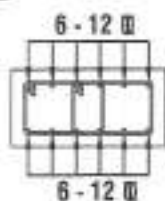
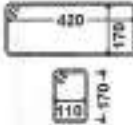
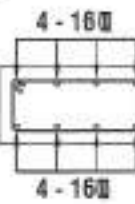
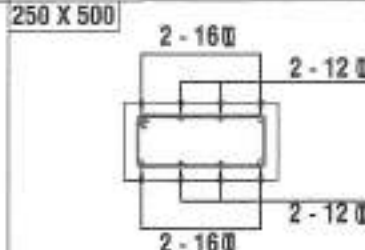
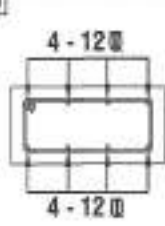
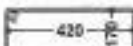
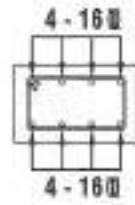
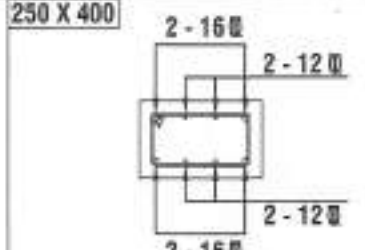
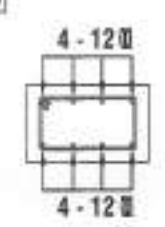
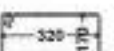
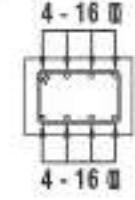
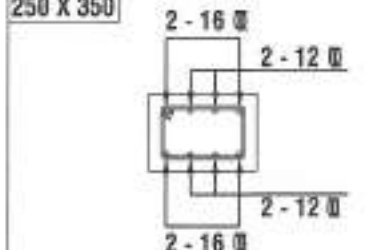
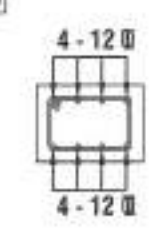
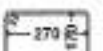


SCHEDULE OF R.C.C. COLUMNS

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

SCHEDULE OF R.C.C. BEAMS

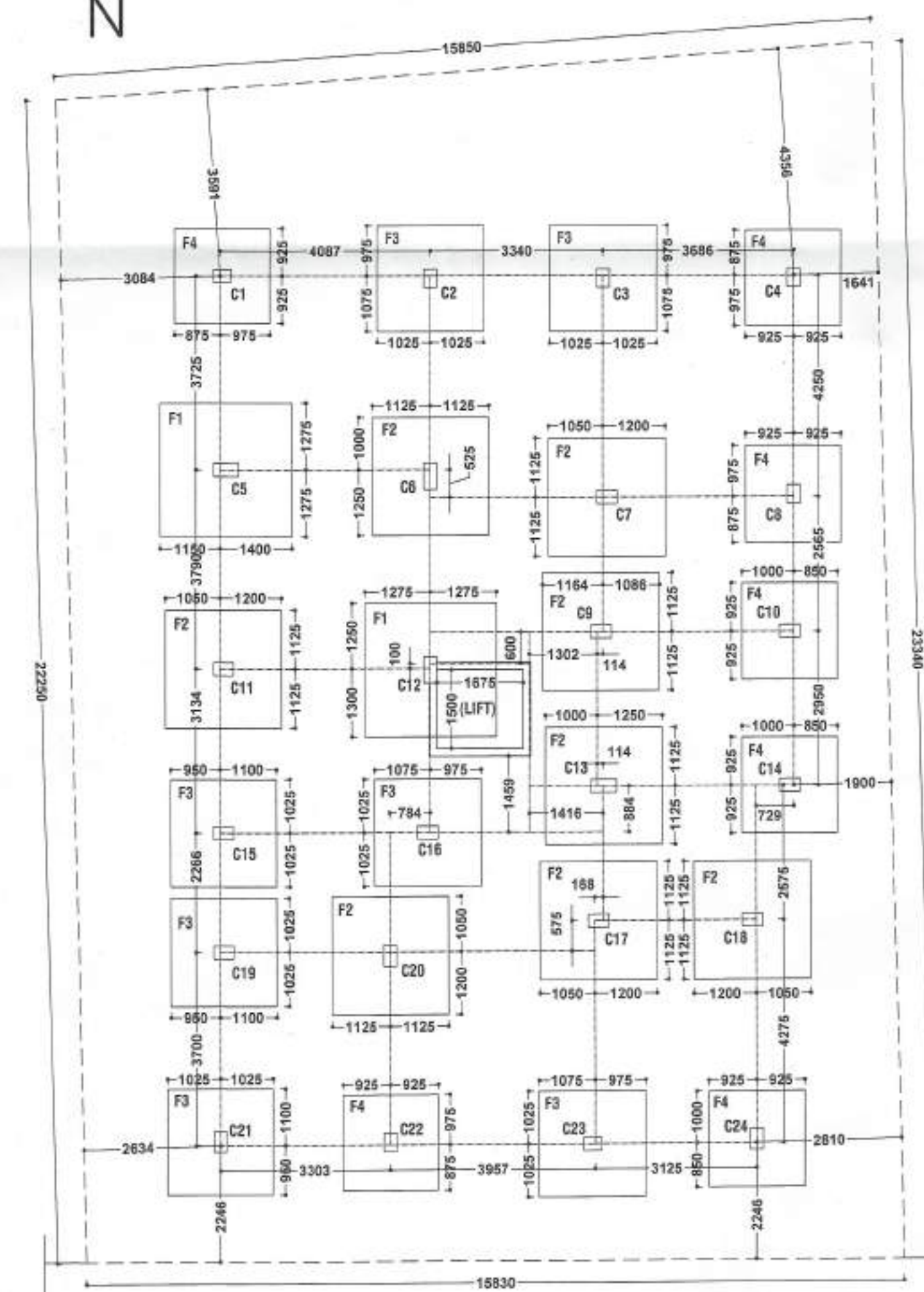
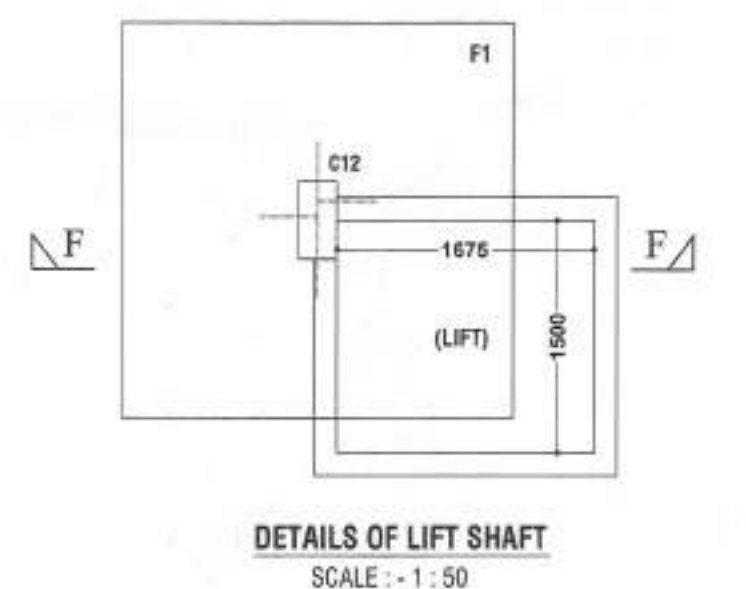
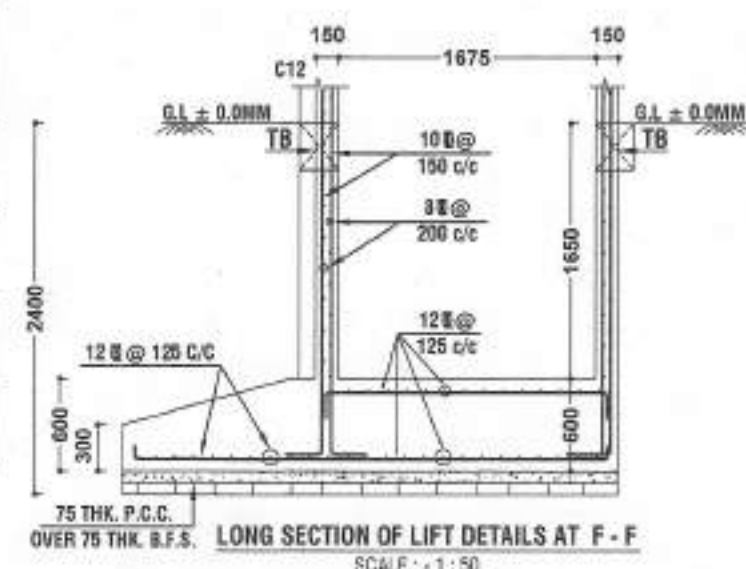
BEAM MKD.	BEAM SECTION	SIZE & REINFORCEMENT AT SUPPORT		STIRRUP AT SUPPORT	SIZE & REINFORCEMENT AT SPAN		STIRRUP AT SPAN
		TOP	BOTTOM		TOP	BOTTOM	
B1	250X450	3 - 16 ⅜ + 3 - 16 ⅜	3 - 16 ⅜	8 TOR 2L @ 150 C/C	3 - 16 ⅜	3 - 16 ⅜ + 2 - 12 ⅜	8 TOR 2L @ 150 C/C
B2	250X450	2 - 16 ⅜ + 2 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 150 C/C	2 - 16 ⅜	3 - 12 ⅜ + 2 - 12 ⅜	8 TOR 2L @ 150 C/C
B3	250X450	2 - 16 ⅜ + 2 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 200 C/C	2 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 200 C/C
B4	250X450	2 - 12 ⅜ + 2 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 200 C/C	2 - 12 ⅜	3 - 12 ⅜	8 TOR 2L @ 200 C/C
B5	250X450	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C
B5'	250X350	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C
B6	250X450	6 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 125 C/C	6 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 125 C/C
B7	250X450	5 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 125 C/C	5 - 16 ⅜	3 - 12 ⅜	8 TOR 2L @ 125 C/C
TB1	250X300	2 - 16 ⅜ + 2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 150 C/C	2 - 16 ⅜	2 - 16 ⅜ + 1 - 16 ⅜	8 TOR 2L @ 150 C/C
TB2	250X300	2 - 12 ⅜ + 2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C	2 - 12 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C
TB3	250X300	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C	2 - 16 ⅜	2 - 16 ⅜	8 TOR 2L @ 200 C/C

SCHEDULE OF R.C.C. SLABS

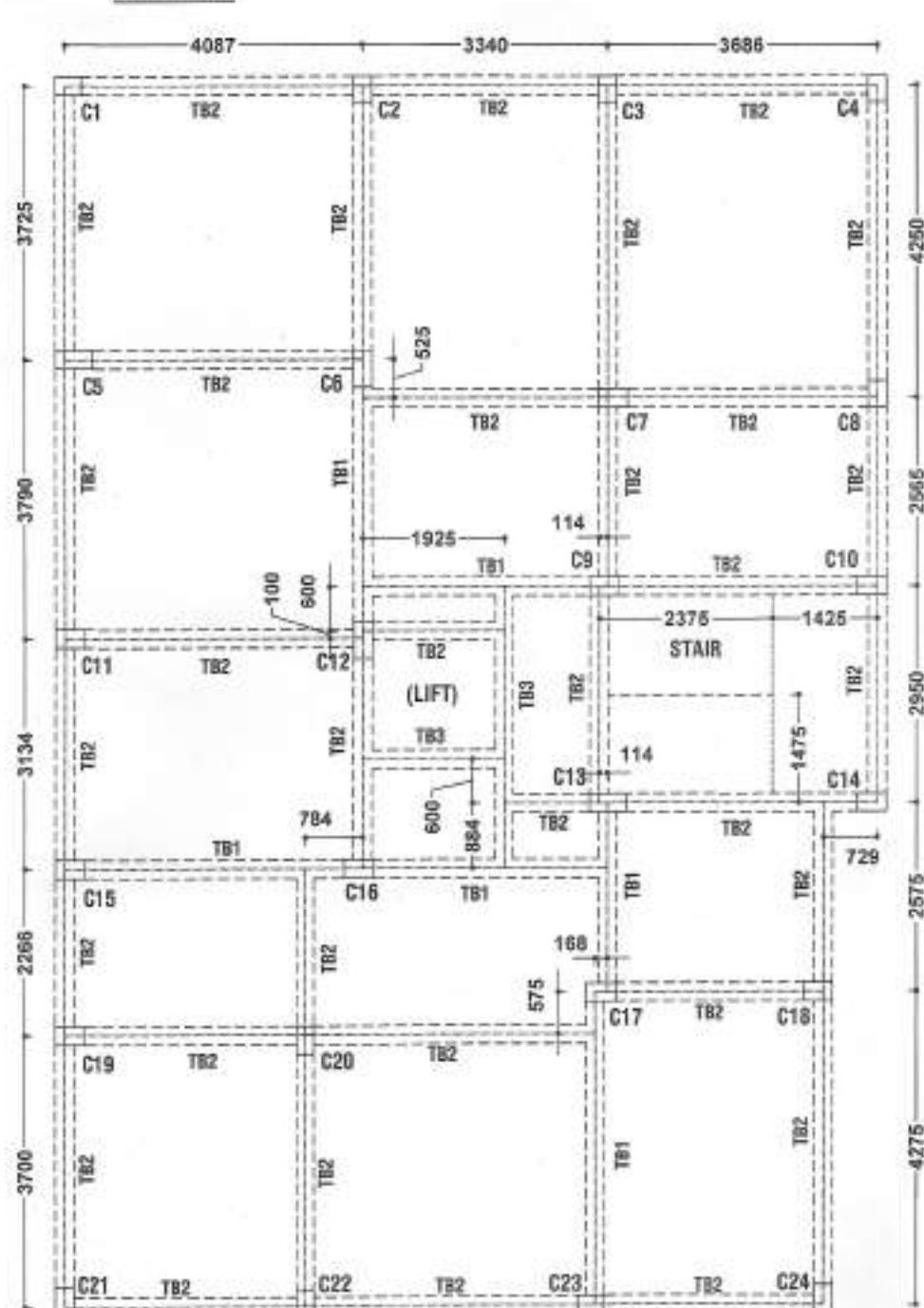
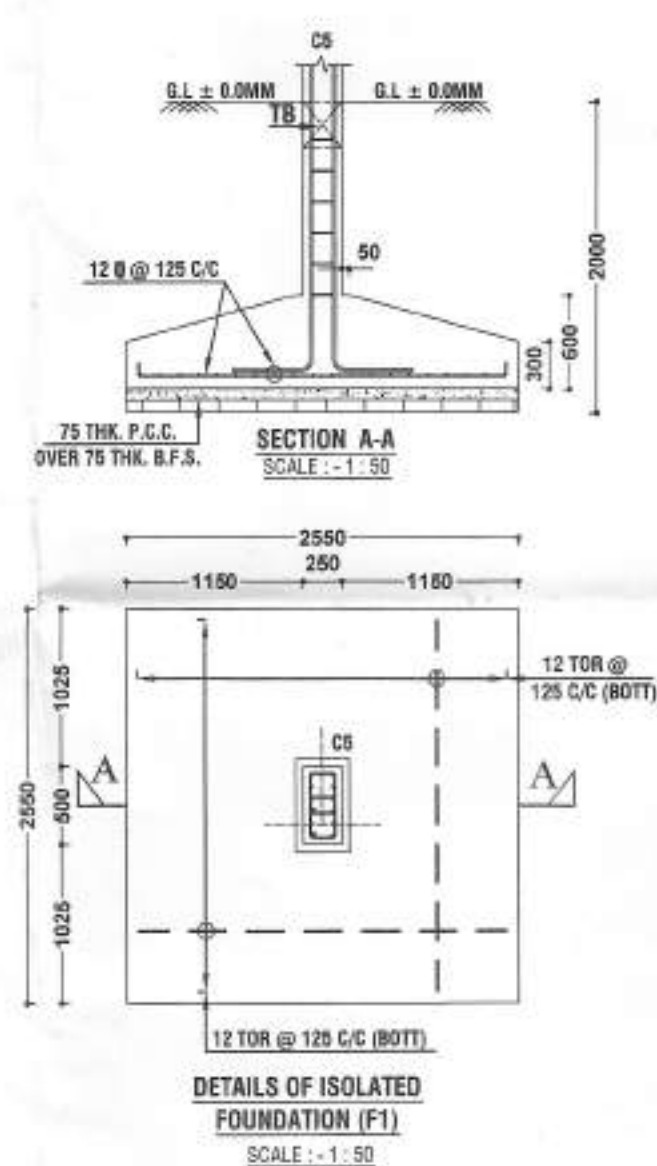
SLAB MKD	THICKNESS (mm)	REINFORCEMENT PARALLEL TO SHORTER DIRECTION		REINFORCEMENT PARALLEL TO LONGER DIRECTION	
		AT MIDDLE SPAN	AT END SPAN	AT MIDDLE SPAN	AT END SPAN
S1	150	8@150 c/c (bot.),	8@150 c / c (top) 8@300 c / c (bolt.)	8@150 c/c (bolt.)	8@150 c / c (top) 8@300 c / c (bolt.)
S2	125	8@150 c/c (bolt.)	8@150 c / c (top) 8@300 c / c (bolt.)	8@150 c/c (bolt.)	8@150 c / c (top) 8@300 c / c (bolt.)
S3	100	8@200 c/c (bolt.)	8@200 c / c (top) 8@400 c / c (bolt.)	8@200 c/c (bolt.)	8@200 c / c (top) 8@400 c / c (bolt.)
S4	150	8@100 c / c (top) 8@200 c / c (bolt.)	8@100 c / c (top) 8@200 c / c (bolt.)	8@200 c / c (top & bolt.)	8@200 c / c (top & bolt.)
S5	150	8@200 c / c (binder.)	8@200 c / c (binder.)	12@150 c / c (bolt.)	12@150 c / c (top) 12@300 c / c (bolt.)

SCHEDULE OF ISOLATED FOUNDATIONS

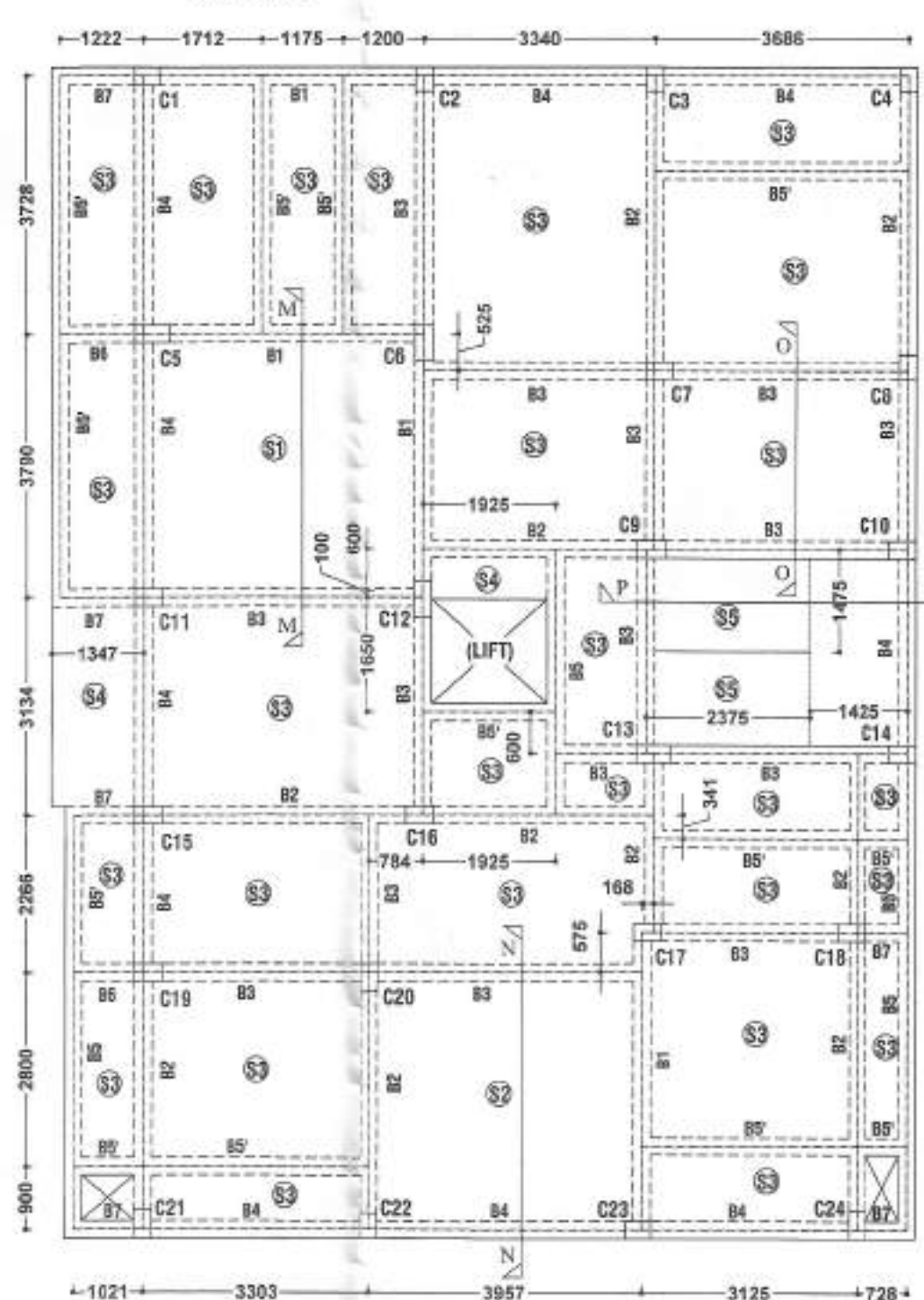
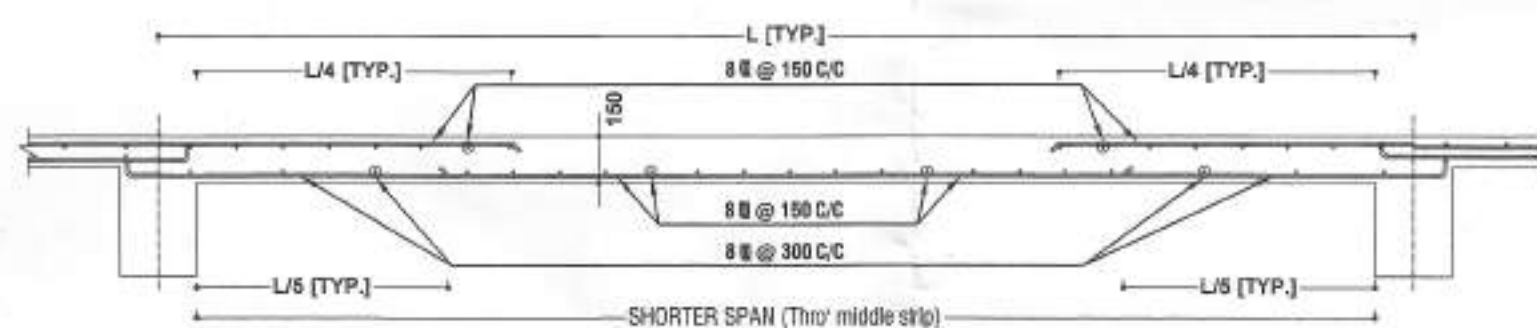
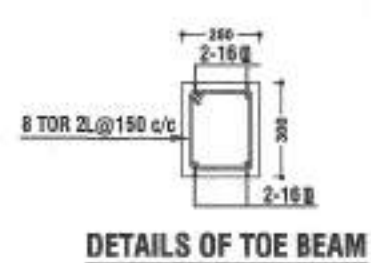
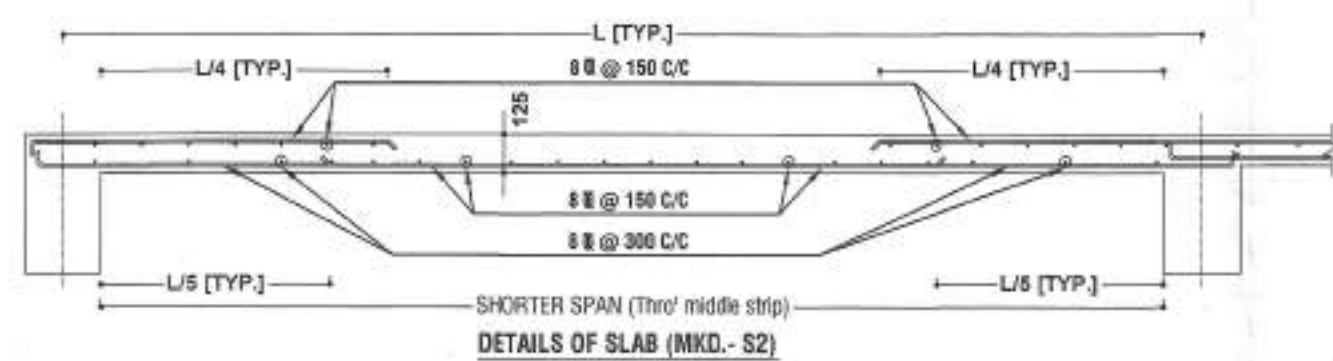
FON. MKD.	UNDER COLUMN	SIZE OF FOUNDATION	THICKNESS (MM)		REINFORCEMENT BOTHWAYS AT BOTTOM
			AT HEEL	AT TOE	
F1	C5,C12	2550X2550	600	300	12 TOR @ 125 C/C
F2	C6,C7,C8,C11, C13,C17,C18,C20	2250X2250	450	200	12 TOR @ 125 C/C
F3	C2,C3,C15,C16, C19,C21,C23	2050X2050	450	200	12 TOR @ 175 C/C
F4	C1,C4,C8,C10, C14,C22,C24	1850X1850	450	200	12 TOR @ 175 C/C



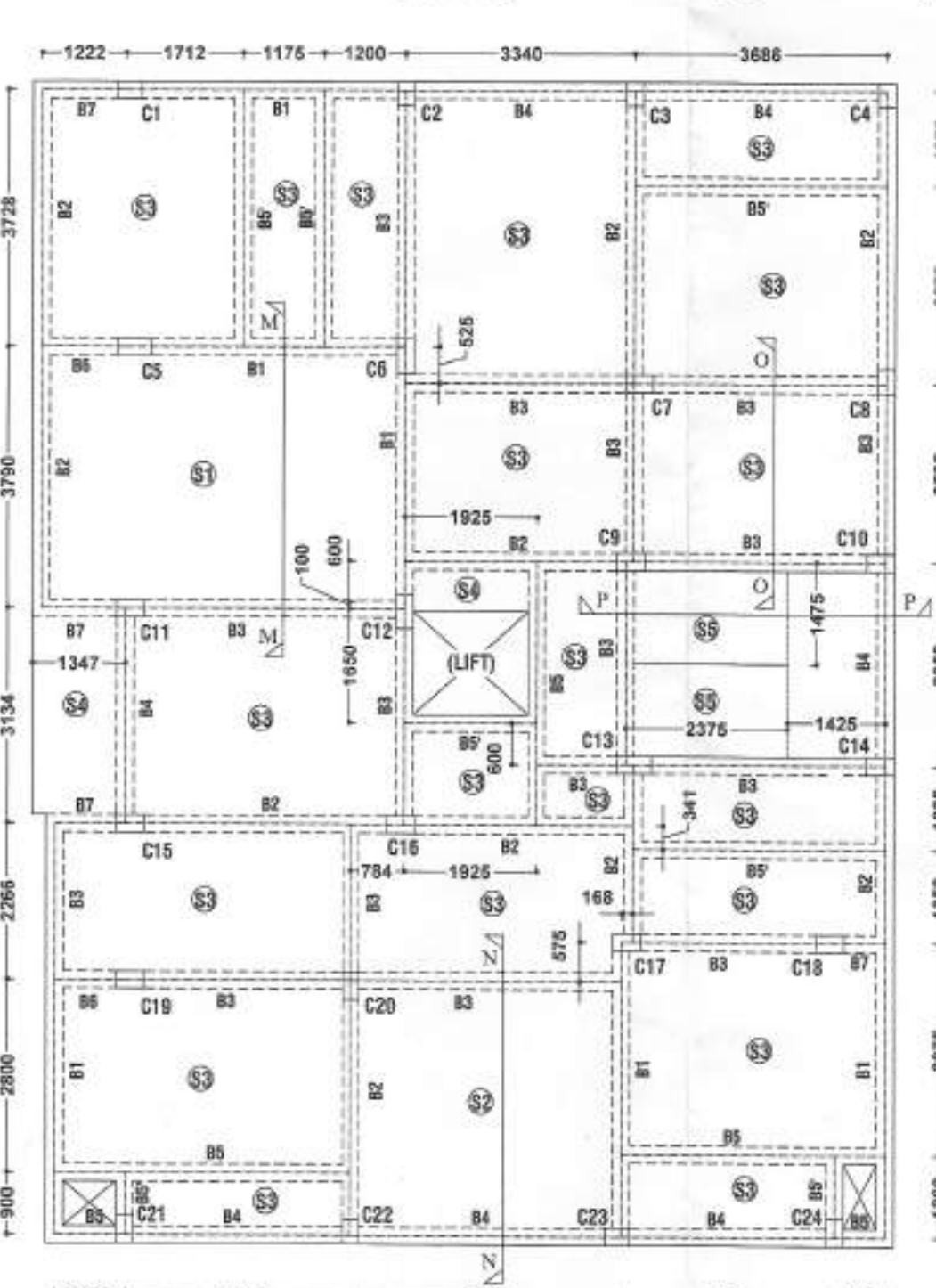
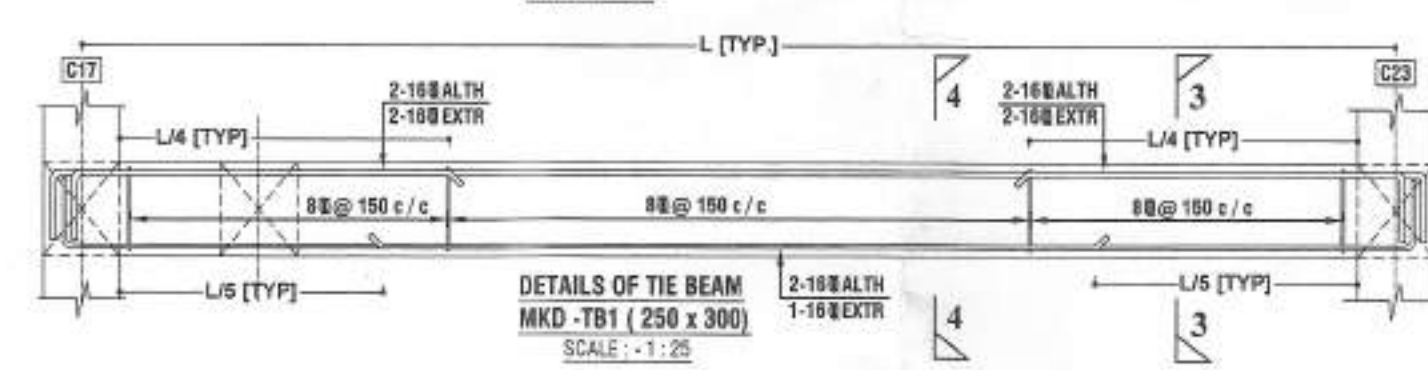
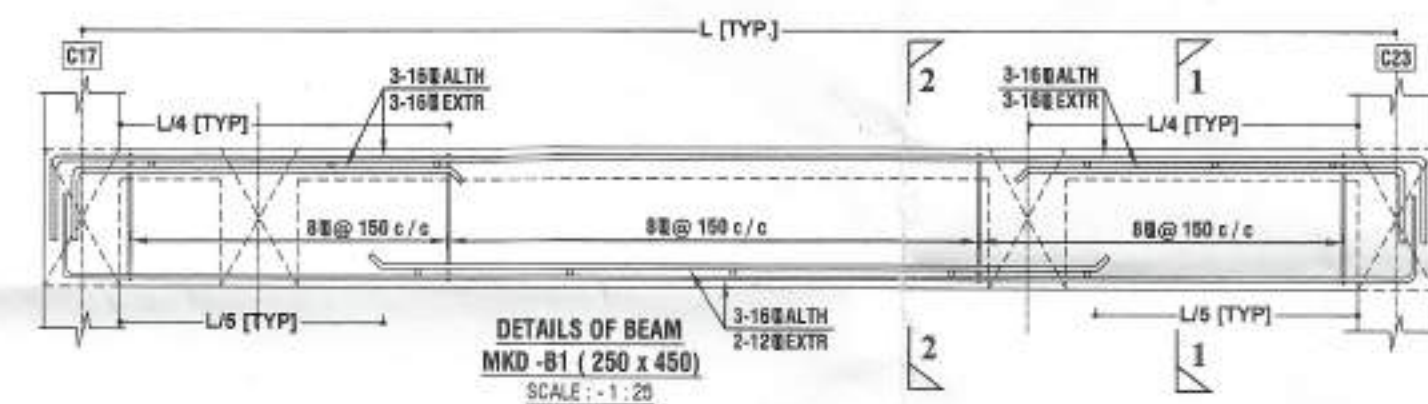
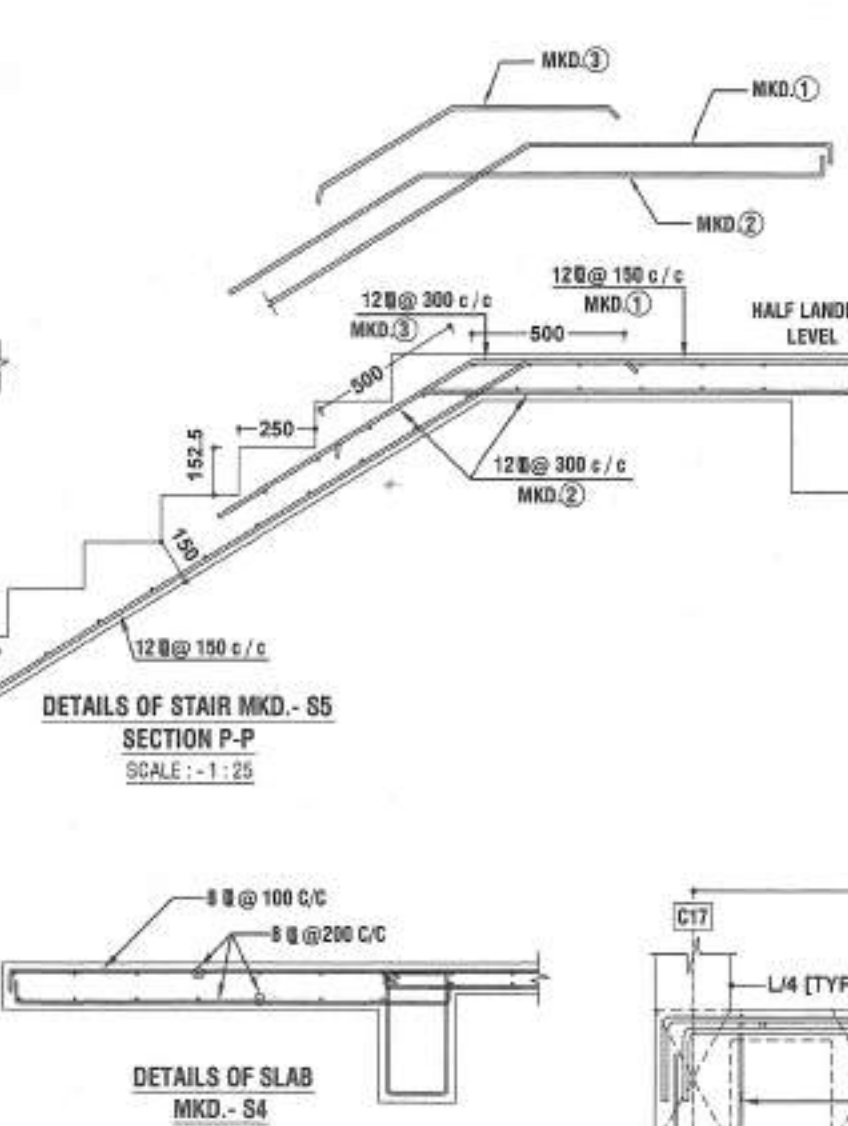
**FOUNDATION & COLUMN
LAYOUT PLAN**
SCALE : - 1 : 100



TIE BEAM LAYOUT PLAN
SCALE : - 1 : 100



**FLOOR BEAM & SLAB LAYOUT
PLAN AT 1ST FLOOR LEVEL.**
SCALE : + 1 : 100



**TYPICAL FLOOR BEAM & SLAB LAYOUT
PLAN AT 2ND TO ROOF FLOOR LEVEL.**
SCALE :- 1 : 100

- ## SPECIFICATIONS

1. DEPTH OF FOUNDATION IS AT 2.0 M. BELOW EXISTING G.L.
2. SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT
3. FOUNDATIONS MUST BE PLACED WITH RESPECT TO THE CENTRE OF THE COLUMNS.
4. GRADE OF CONCRETE IS M-20 (1 : 1.5 : 3, NOMINAL MIX) AND GRADE OF STEEL IS Fe-50.
5. CLEAR COVER TO MAIN REINFORCEMENT IS AS PER BELOW :-
 - a) FOUNDATION - 75 MM
 - b) COLUMN - 40 MM
 - c) BEAM - 25 MM
 - d) SLAB - 20 MM
6. ALL SLABS MUST BE MONOLITHIC WITH SUPPORTING BEAM.
7. 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.

Sahan
TUSHAR BARAN PAHARI
M.E. (STRUCTURE) MGS,
E.S.E NO- 1746
CHARTERED ENGINEER,
(M) - 933108 6294
SIO. OF STRUCTURAL ENGINEER

Shibaprasad Sarkar
Civil Engineer, Planner, Estimator
Licence No- BM 4/BPE/161
SIGNATURE OF L.B.S/ARCHITECT

TUSHARBARAN PAHARI
M.E. (Structure)
D1-19/1, New Jhowtala, Maheshtala
Kolkata-700 141
Empanelled Geotechnical
Engineer of K.M.C., No.-G.T/1/48

TUSHAR BARAN PAHARI
EMPANELLED GEOTECHNICAL
ENGINEER OF K.M.C. NO.- G.T/48
SIGNATURE OF GEO-TECHNICAL ENGINEER

Bismarck 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), KHATIAN NO.- 14043 (L.R.),
J. L. NO.-119, MOUZA - BHIRINGI,
P.S.-DURGAPUR, DIST - PASCHIM BARDHAMAN.

* HOLDING NO- 1186/N.
* ASSESSMENT NO.-3309403603326.
* STREET- SRINAGAR PALLY,BANACHITY,
DURGAPUR-713213.