

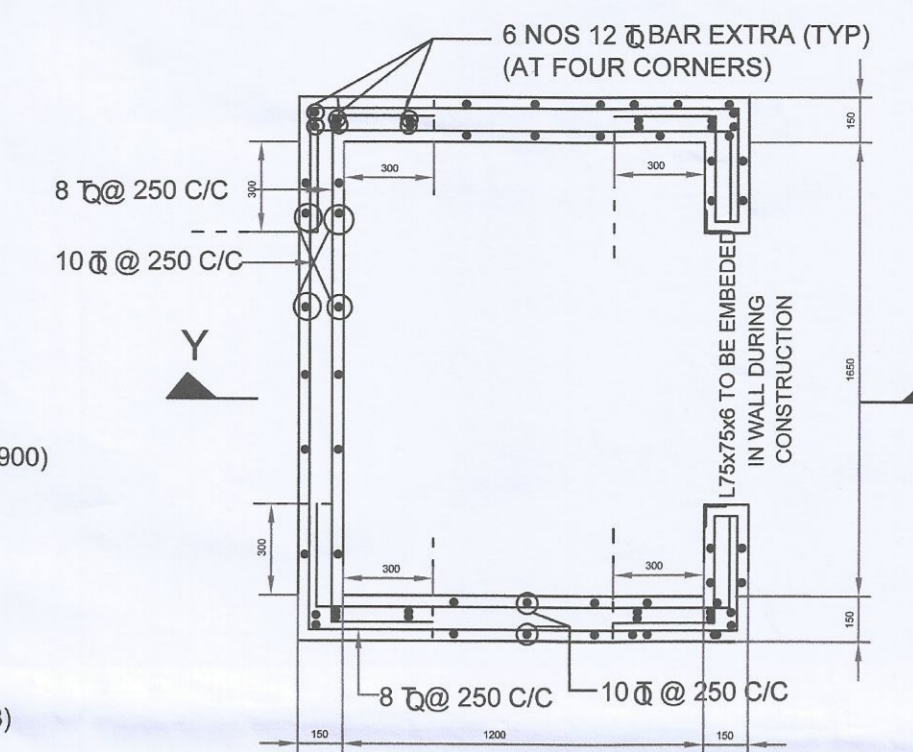
SCHEDULE OF TIE-BEAM					
SIZE OF BEAM ie WIDTH(MM) x DEPTH (MM)	SUPPORT REINFORCEMENT		SPAN REINFORCEMENT		STIRRUPS
	LONGITUDANAL REINF.		LONGITUDANAL REINF.		
	TOP	BOTTOM	TOP	BOTTOM	
250 X 350	4-12 $\Phi$	2-12 $\Phi$	2-12 $\Phi$	4-12 $\Phi$	8 $\Phi$ @ 150MM C/C

SCHEDULE OF BEAM						
BEAM MARKED	SIZE OF BEAM ie WIDTH(mm) x DEPTH(mm)	SUPPORT REINFORCEMENT		SPAN REINFORCEMENT		STIRRUPS
		LONGITUDANAL REINFORCEMENT		LONGITUDANAL REINFORCEMENT		
		TOP	BOTTOM	TOP	BOTTOM	
B-1	250 X 450	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C
B-2	250 X 350	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C
B-3	250 X 350	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	2-12 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	2-12 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C

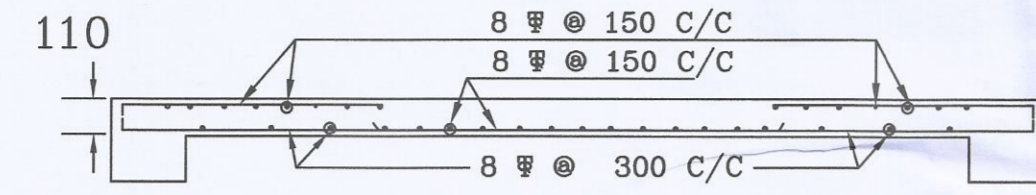
SCHEDULE OF BEAM						
BEAM MARKED	SIZE OF BEAM ie WIDTH(mm) x DEPTH(mm)	SUPPORT REINFORCEMENT		SPAN REINFORCEMENT		STIRRUPS
		LONGITUDANAL REINFORCEMENT		LONGITUDANAL REINFORCEMENT		
		TOP	BOTTOM	TOP	BOTTOM	
B-1	250 X 450	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C
B-2	250 X 350	2-16 $\Phi$ (ALTH) + 2-16 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C
B-3	250 X 350	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	2-12 $\Phi$ (ALTH)	2-16 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	2-12 $\Phi$ (ALTH) + 2-12 $\Phi$ (EXTRA)	8 $\Phi$ @ 150 MM C/C

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 OUT THE LOAD FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM THEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO- TECHNICAL POINT OF VIEW.

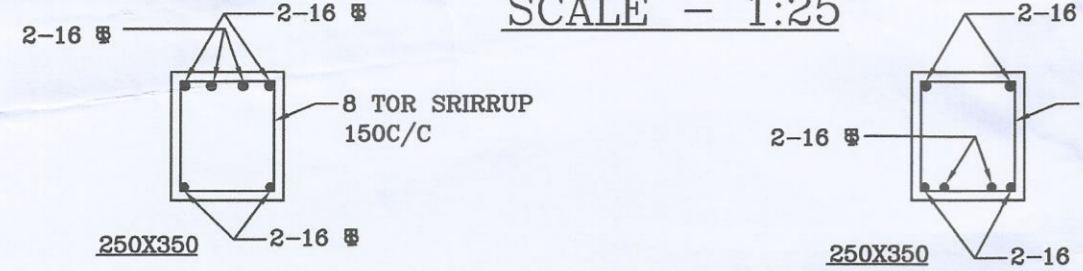
ASIM SARKAR  
G.T./1/2  
SIGNATURE OF GEOTECHNICAL ENGINEER



PLAN  
STRUCTURAL DETAILS OF LIFT  
SCALE - 1:25



DETAILS OF SLAB (S1)  
SCALE - 1:25



X- SECTION OF BEAM (B3)  
AT SUPPORT  
SCALE - 1:25

X- SECTION OF BEAM (B3)  
AT SPAN  
SCALE - 1:25

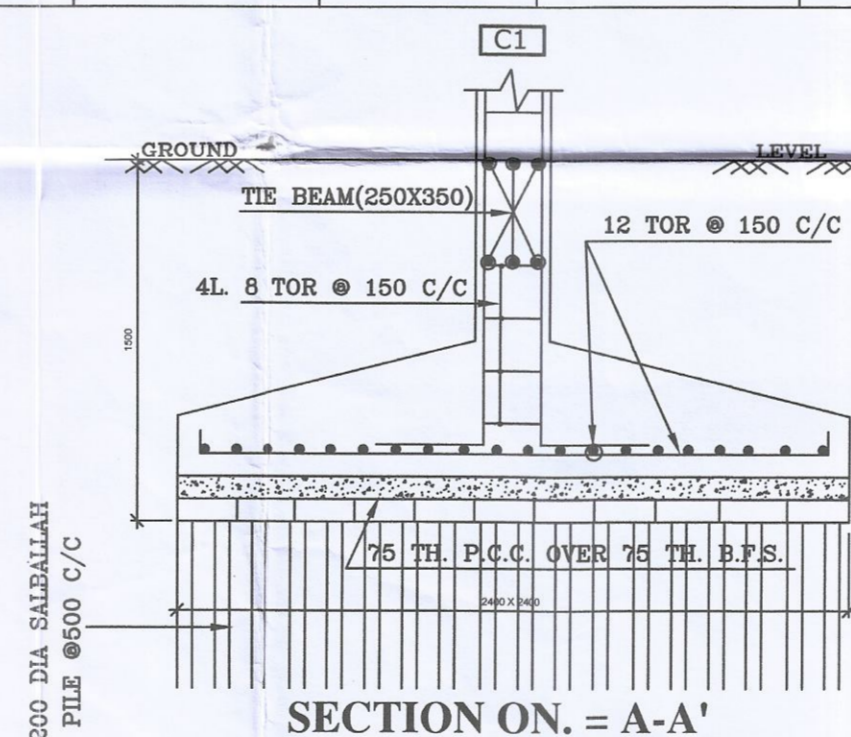
SCHEDULE OF SLAB					
SLAB MARKED	THICK- NESS OF SLAB (M.M)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		AT MIDDLE PORTION	AT END PORTION	AT MIDDLE PORTION	AT END PORTION
		S-1	110	8 $\Phi$ @ 150 MM C/C	8 $\Phi$ @ 150 MM C/C
S-2	110 TO 125	10 $\Phi$ @ 100 MM C/C	10 $\Phi$ @ 100 MM C/C	10 $\Phi$ @ 100 MM C/C (TOP) & 10 $\Phi$ @ 200 MM C/C (BOTTOM)	10 $\Phi$ @ 100 MM C/C (TOP) & 10 $\Phi$ @ 200 MM C/C (BOTTOM)

SCHEDULE OF FOUNDATION							
FOUNDATION MARKED	TYPE OF FOUNDATION	UNDER COLUMN	LENGTH(m)	WIDTH(m)	THICKNESS OF SLAB (MM)	REINFORCEMENT IN SLAB	
						ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION
F-1	ISOLATED FOOTING	C-1	2400	2400	350 TO 200	12 $\Phi$ @ 150 MM C/C	12 $\Phi$ @ 150 MM C/C
F-2	ISOLATED FOOTING	C-11	2600	2600	350 TO 200	12 $\Phi$ @ 150 MM C/C	12 $\Phi$ @ 150 MM C/C
F-3	STRIP FOOTING	C-2, C-3, & C-4	8925	2000	350 TO 200	12 $\Phi$ @ 150 MM C/C	8 $\Phi$ @ 100 MM C/C
F-4		C-5, & C-6	6200	2000	350 TO 200	12 $\Phi$ @ 150 MM C/C	8 $\Phi$ @ 100 MM C/C
F-5		C-9, & C-10	6200	2000	350 TO 200	12 $\Phi$ @ 150 MM C/C	100 MM C/C
F-6		C-7, & C-8	7850	2600	350 TO 200	12 $\Phi$ @ 150 MM C/C	8 $\Phi$ @ 100 MM C/C
F-7		C-12, C-13, & C14	8925	2000	350 TO 200	12 $\Phi$ @ 150 MM C/C	8 $\Phi$ @ 100 MM C/C

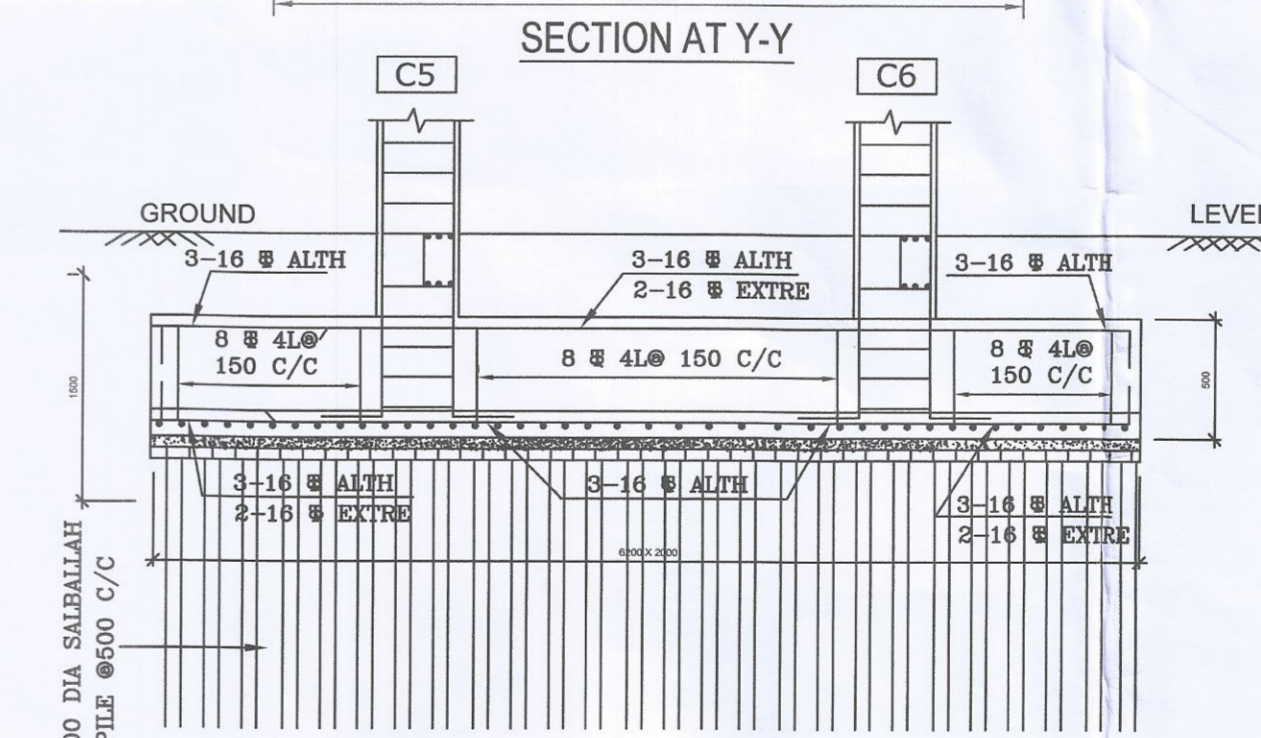
SCHEDULE OF RIB-BEAM						
RIB BEAM UNDER FDN. MKD.	SIZE OF BEAM ie WIDTH(MM) x DEPTH (MM)	SUPPORT REINFORCEMENT		SPAN REINFORCEMENT		STIRRUPS
		LONGITUDANAL REINFORCEMENT		LONGITUDANAL REINFORCEMENT		
		TOP	BOTTOM	TOP	BOTTOM	
F-3, F-4 F-5, F-7	400 X 550	3 NOS. 16 $\Phi$	5 NOS. 16 $\Phi$	5 NOS. 16 $\Phi$	3 NOS. 16 $\Phi$	8 $\Phi$ 4L @ 150 MM C/C
F-6	450 X 600	3 NOS. 16 $\Phi$	5 NOS. 16 $\Phi$	5 NOS. 16 $\Phi$	3 NOS. 16 $\Phi$	8 $\Phi$ 4L @ 150 MM C/C

SCHEDULE OF COLUMN		
COLUMN MARKED	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND. FLOOR LEVEL	
	COLUMN SIZE & REINFORCEMENT FROM 2ND. FLOOR LEVEL TO ROOF LEVEL	COLUMN SIZE & REINFORCEMENT FROM 2ND. FLOOR LEVEL TO ROOF LEVEL
C-1, C-3, C-4, C-11, C-13, C-14	250 X 400 8 NOS. 16 $\Phi$ + 2 NOS. 12 $\Phi$	250 X 400 4 NOS. 16 $\Phi$ + 6 NOS. 12 $\Phi$
C-5, C-6, C-9, C-10	250 X 450 8 NOS. 16 $\Phi$ + 2 NOS. 12 $\Phi$	250 X 450 4 NOS. 16 $\Phi$ + 6 NOS. 12 $\Phi$
C-2, C-7, C-8, C-12	250 X 450 12 NOS. 16 $\Phi$	250 X 450 6 NOS. 16 $\Phi$ + 6 NOS. 12 $\Phi$

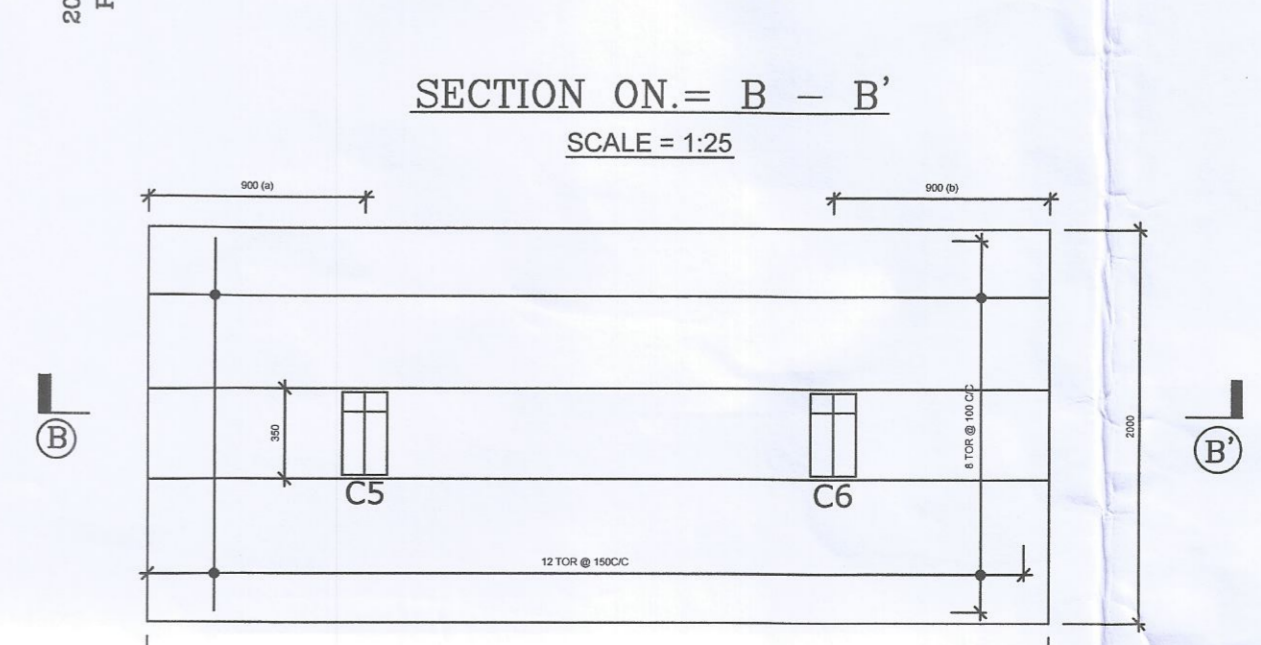
USE 4L 8  $\Phi$  STIRRUPS @ 150 MM C/C



SECTION ON. = A-A'  
SCALE - 1:25

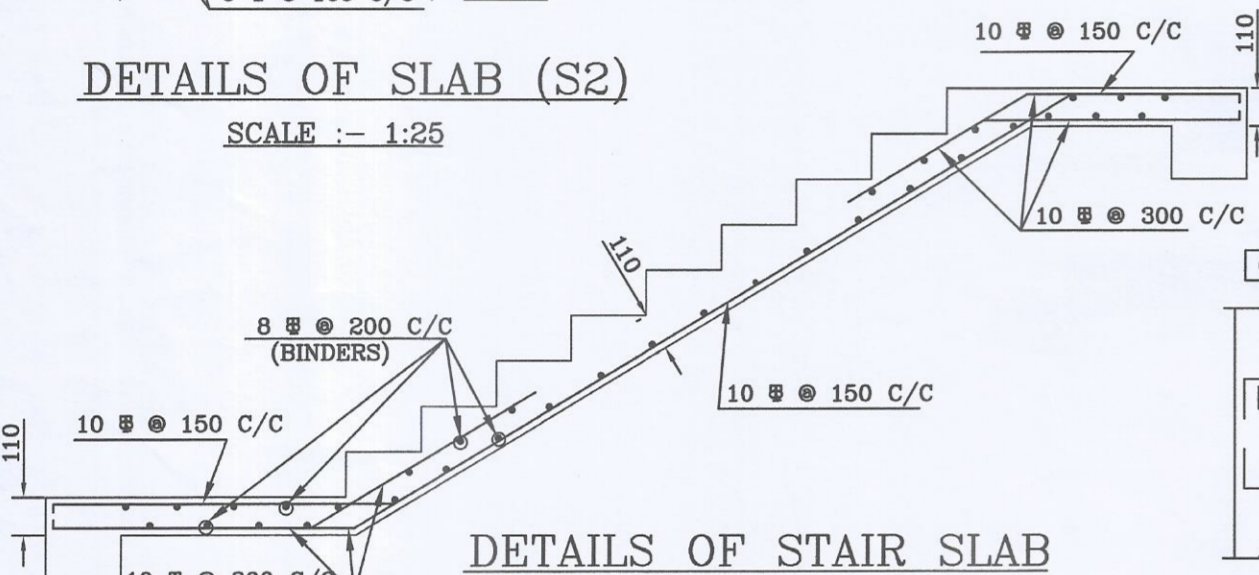


SECTION ON. = B - B'  
SCALE = 1:25



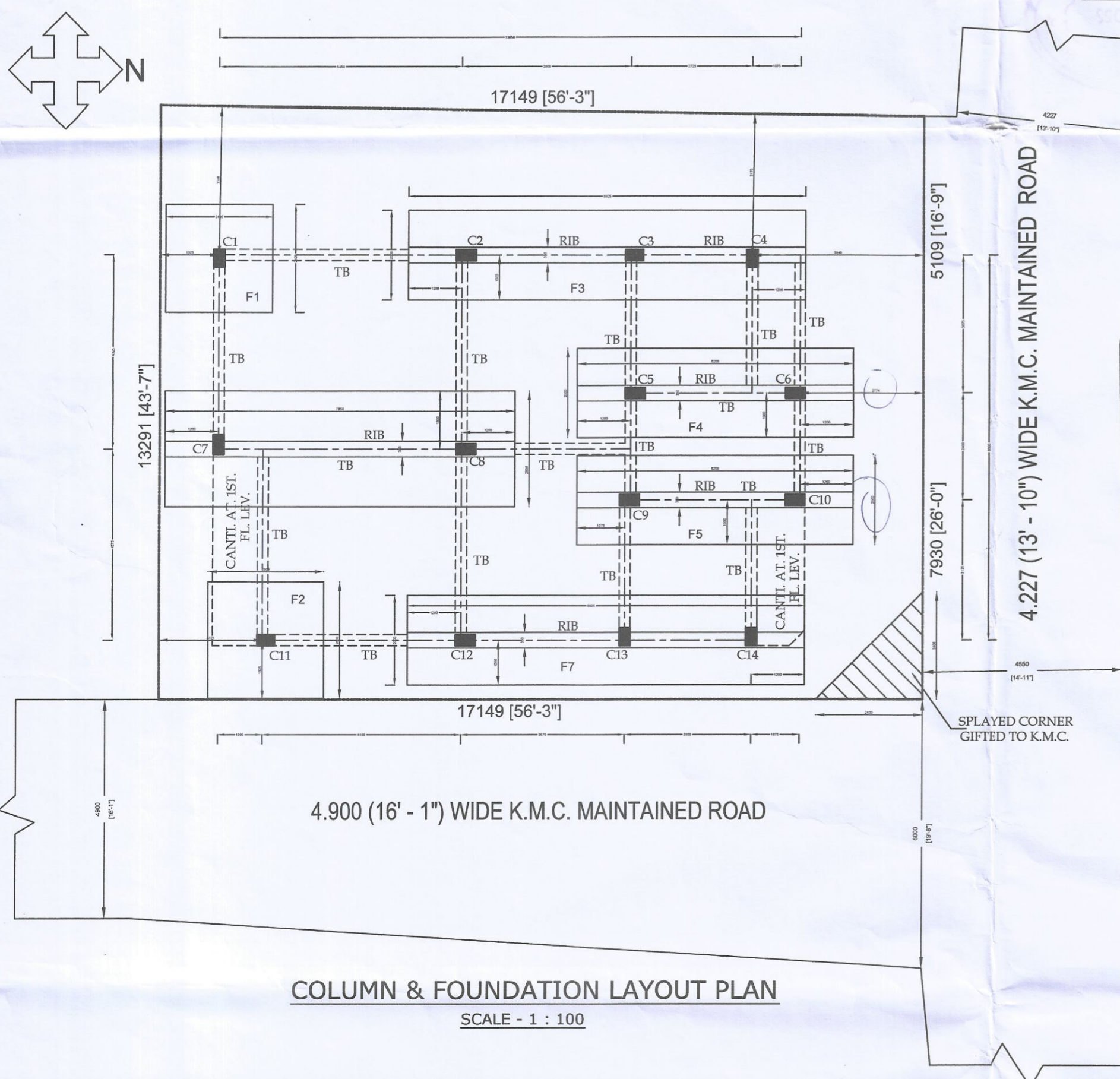
DETAILS OF STRIP FOUNDATION (F4)  
SCALE = 1:25

DETAILS OF SLAB (S2)  
SCALE - 1:25

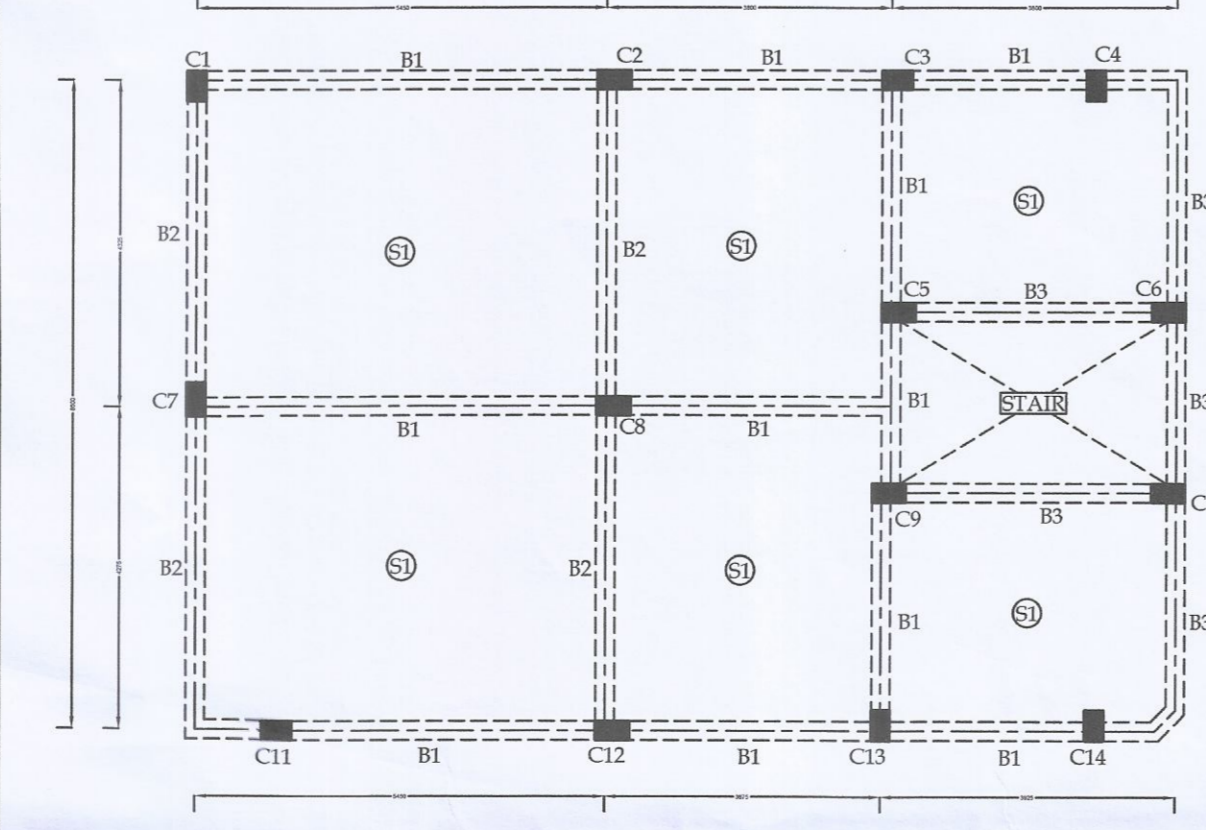


DETAILS OF STAIR SLAB  
SCALE - 1:25

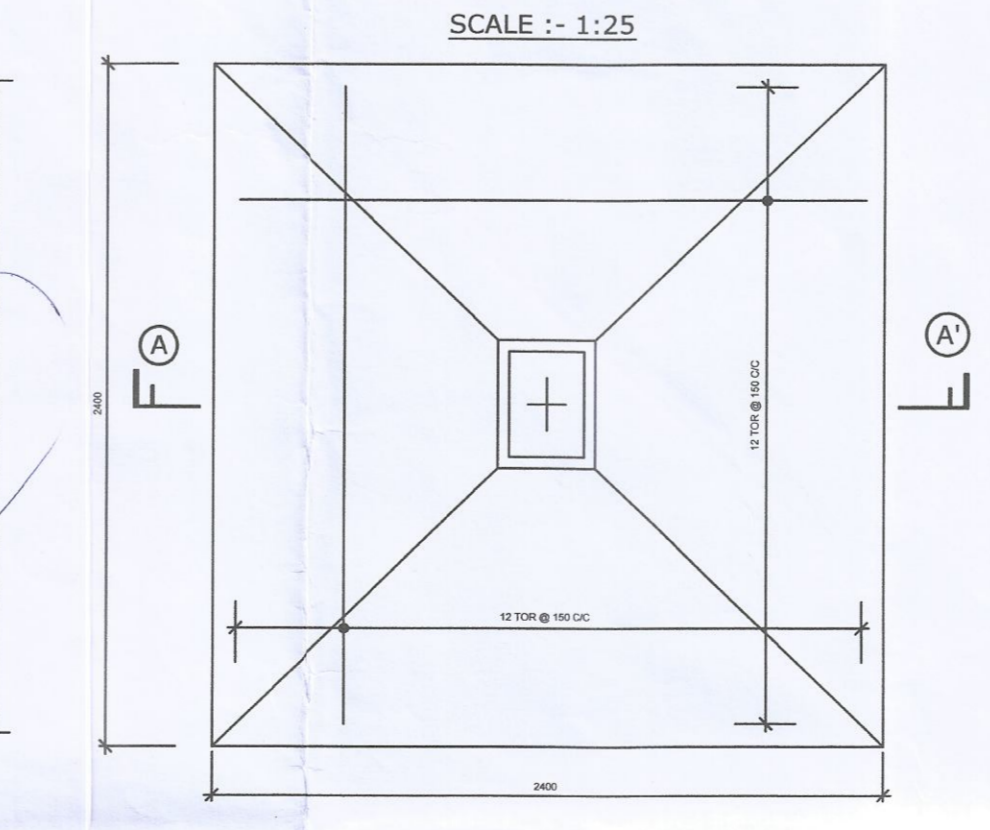
DETAILS OF LONG SECTION OF BEAM (B3)  
SCALE - 1:25



COLUMN & FOUNDATION LAYOUT PLAN  
SCALE - 1 : 100



BEAM & SLAB LAYOUT PLAN  
SCALE:-1:100



DETAILS OF ISOLATED FOUNDATION (F1)  
SCALE - 1:25

SPECIFICATIONS:-

1. DEPTH OF FOUNDATION IS AT 1.50 M. BELOW EX. G.L.
2. ASSUMING BEARING CAPACITY OF SOIL 7 t / SQ.M.
3. GRADE OF CONC. IS M-20 AND GRADE OF STEEL IS Fe-500.
4. CLEAR COVER TO MAIN REIN. IS AS PER BELOW :-  
a). FOUNDATION - 50 MM. b). COLUMN - 40 MM.  
c). BEAM - 25 MM. d). SLAB - 15 MM.
5. ALL SLABS MUST BE CAST MONOLITHIC WITH SUPPORTING BEAM.
6. ALL OTHER SPECIFICATIONS ARE AS PER NATIONAL BUILDING CODE OF INDIA.

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 LOAD AS PER THE N.B.C. OF INDIA (LATEST REVISION) AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE STRUCTURAL DESIGN HAS BEEN PREPARED CONSIDERING SOIL INVESTIGATION REPORT BY "ASSOCIATED FOUNDATION ENGINEERS" ADD - 20, K.N. SEN ROAD, KOL - 700042

DEBABRATA GHOSH  
E.S.E. II/228  
SIGN. OF E. S. E.

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME & THAT THE SITE CONDITION INCLUDING THE ADJUTING K.M.C. ROAD 4.90M. CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE & NOT A TANK OR FILLED UP TANK. THE LAND IS DEMARCATED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING

SRI BASH CHATTERJEE L.B.S. I/1123  
SIGN. OF L. B. S.

I, DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I, SHALL ENGAGE L.B.S. AND E.S.E. DURING CONSTRUCTION. I, SHALL FOLLOW THE INSTRUCTION OF L.B.S. AND E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER B.S. PLAN). THE PLOT IS IDENTIFIED BY ME AND DEMARCATED BY BOUNDARY WALL. IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE, THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK WILL BE UNDERTAKEN UNDER THE GUIDANCE OF L.B.S./E.S.E. BEFORE STARTING OF BUILDING FOUNDATION WORK. IF ANY DISPUTES ARISES IN FUTURE REGARDING OWNER SHIP THE K.M.C. AUTHORITY WILL NOT LIABLE AND REVOKE THE SANCTION PLAN.

Md. Suleman  
SRI TAPAS BOSE,  
MR. MD. SULEMAN C.A.  
OF SMT. SIMA SARKAR,  
SRI. GOUTAM SARKAR,  
SMT. MOUSUMI SAHA  
SIGNATURE OF POWER OF ATTORNEY

STRUCTURAL PLAN OF A PROPOSED LIFT AT G+III STORIED RESIDENTIAL BUILDING U/S 393 (A) OF K.M.C. ACT. 1980 ALONG WITH KMC B/R 2009, AT PRE. NO. - 72, MAJLISH ARA ROAD, WARD NO. 121, BOROUGH NO. - XIV, P.S - BEHALA, KOLKATA - 700042, UNDER K.M.C.  
(B.S. Plan no - 2020190102 rd - 7/8/20  
OWNERS NAME - SMT. SIMA SARKAR, SRI. GOUTAM SARKAR  
SMT. MOUSUMI SAHA

