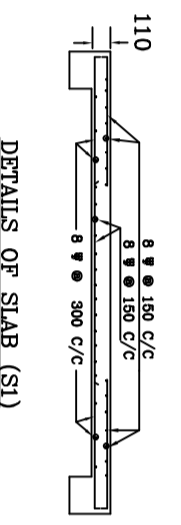
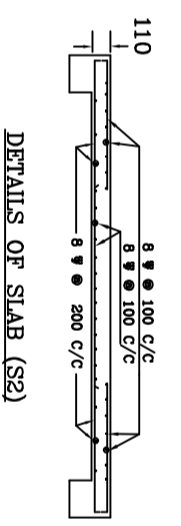


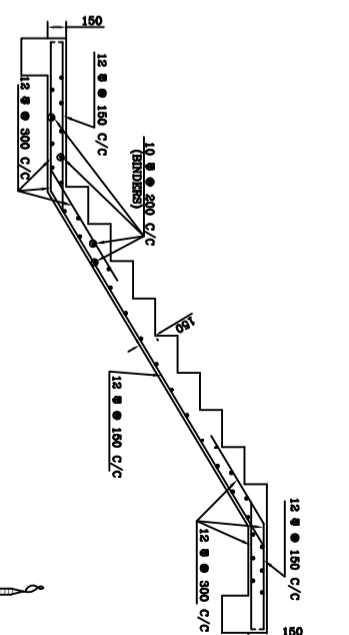
DETAILS OF LONG SECTION OF BEAM (B1)  
SCALE - 1:25



DETAILS OF SLAB (S1)  
SCALE - 1:25



DETAILS OF SLAB (S2)  
SCALE - 1:25



DETAILS OF STAIR SLAB  
SCALE - 1:25

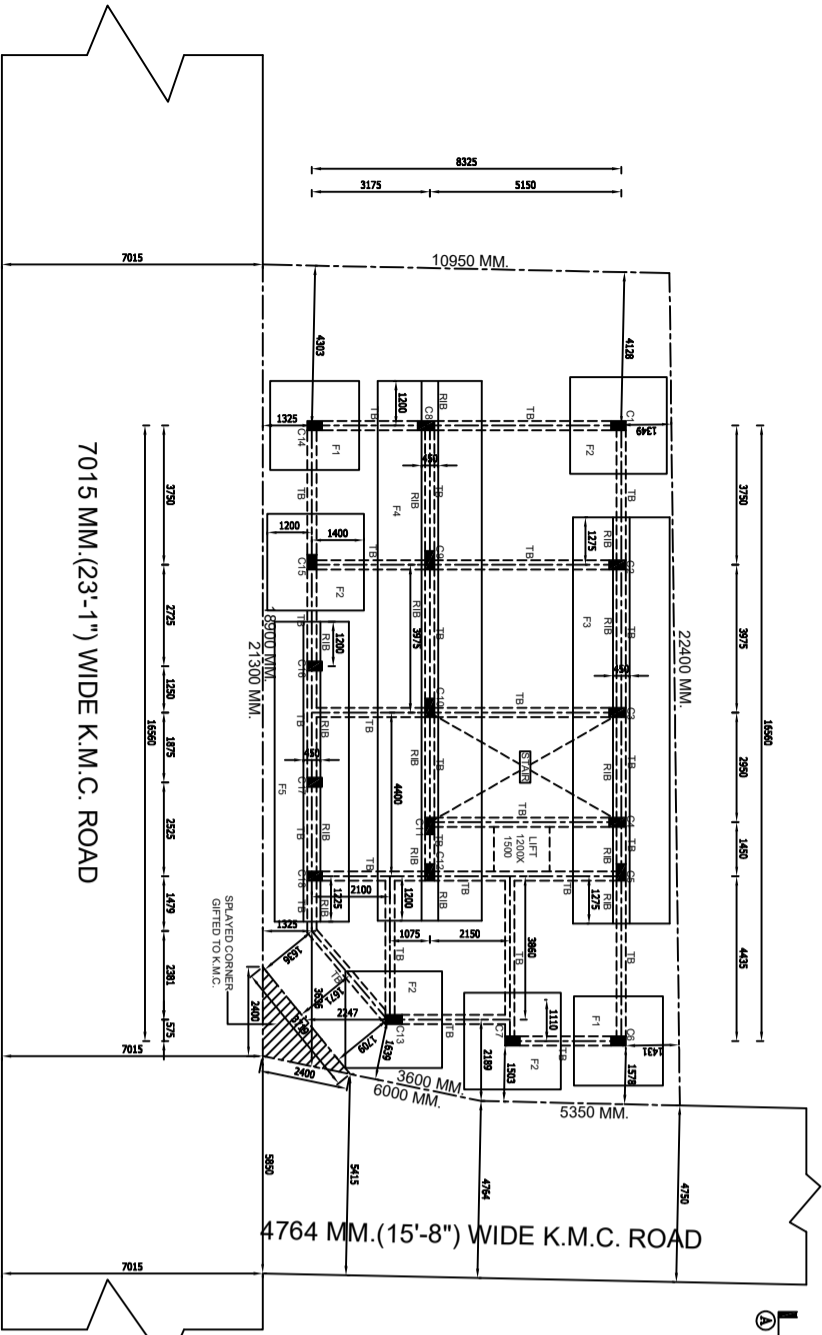
SCHEDULE OF SLABS			
THICKNESS OF SLAB (MM)	REINFORCEMENT ALONG SHORTER DIRECTION	REINFORCEMENT ALONG LONGER DIRECTION	AT END PORTION
S-1	8 $\Phi$ @ 150 MM C/C (TOP) & 8 $\Phi$ @ 150 MM C/C (BOTTOM)	8 $\Phi$ @ 150 MM C/C (TOP) & 8 $\Phi$ @ 150 MM C/C (BOTTOM)	8 $\Phi$ @ 150 MM C/C (TOP) & 8 $\Phi$ @ 150 MM C/C (BOTTOM)
S-2	8 $\Phi$ @ 100 MM C/C & 8 $\Phi$ @ 200 MM C/C (BOTTOM)	8 $\Phi$ @ 100 MM C/C & 8 $\Phi$ @ 200 MM C/C (BOTTOM)	8 $\Phi$ @ 100 MM C/C & 8 $\Phi$ @ 200 MM C/C (BOTTOM)
S-3	8 $\Phi$ @ 100 MM C/C (TOP) & 8 $\Phi$ @ 125 MM C/C (BOTTOM)	8 $\Phi$ @ 100 MM C/C (TOP) & 8 $\Phi$ @ 100 MM C/C (BOTTOM)	8 $\Phi$ @ 100 MM C/C (TOP) & 8 $\Phi$ @ 100 MM C/C (BOTTOM)

SCHEDULE OF BEAMS			
BEAM MARKED	SIZE OF BEAM (mm)	SUPPORT REINFORCEMENT	SPAN REINFORCEMENT
B-1	250 X 350	2-16 $\Phi$ (ALTH) TOP & 2-16 $\Phi$ (ALTH) BOTTOM	2-16 $\Phi$ (ALTH) TOP & 2-16 $\Phi$ (ALTH) BOTTOM
B-2	250 X 350	2-16 $\Phi$ (ALTH) TOP & 2-12 $\Phi$ (EXTRA) BOTTOM	2-16 $\Phi$ (ALTH) TOP & 2-12 $\Phi$ (EXTRA) BOTTOM
B-3	250 X 400	2-16 $\Phi$ (ALTH) TOP & 2-12 $\Phi$ (EXTRA) BOTTOM	2-16 $\Phi$ (ALTH) TOP & 2-12 $\Phi$ (EXTRA) BOTTOM
B-4	250 X 400	2-16 $\Phi$ (ALTH) TOP & 2-16 $\Phi$ (EXTRA) BOTTOM	2-16 $\Phi$ (ALTH) TOP & 2-12 $\Phi$ (EXTRA) BOTTOM
B-5	250 X 400	3-16 $\Phi$ (ALTH) TOP & 2-16 $\Phi$ (EXTRA) BOTTOM	2-16 $\Phi$ (ALTH) TOP & 2-16 $\Phi$ (EXTRA) BOTTOM

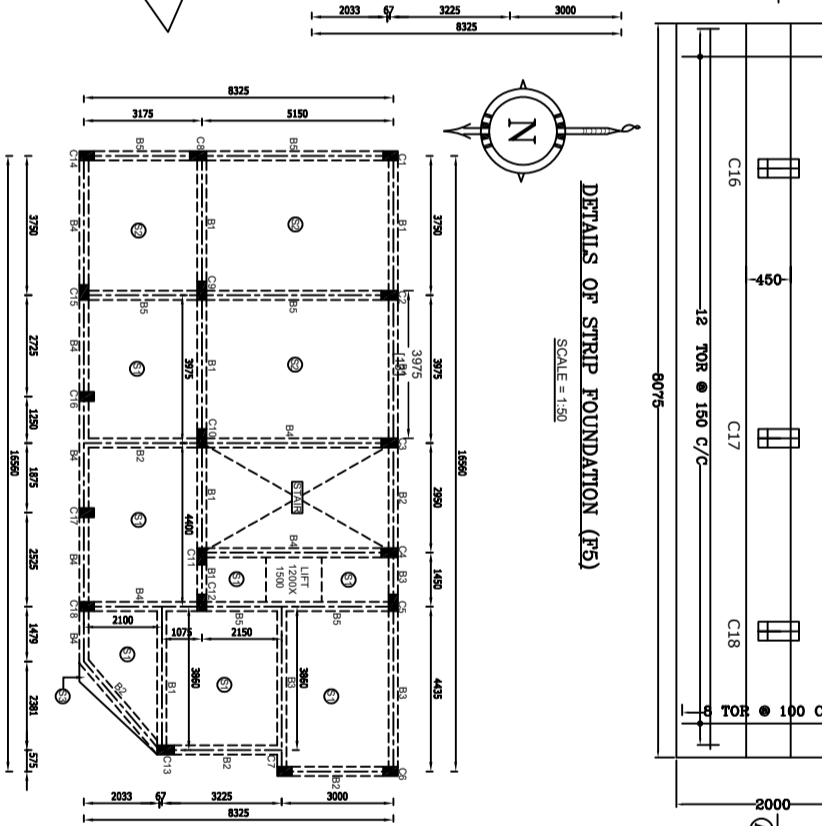
SCHEDULE OF RIB-BEAMS			
SIZE OF BEAM (mm)	SUPPORT REINFORCEMENT	SPAN REINFORCEMENT	STIRRUPS
F-5	450 X 550	3 NOS. 16 $\Phi$ TOP & 5 NOS. 16 $\Phi$ BOTTOM	8 $\Phi$ 4L @ 150 MM C/C
F-3, F-4	450 X 650	3 NOS. 16 $\Phi$ TOP & 5 NOS. 16 $\Phi$ BOTTOM	8 $\Phi$ 4L @ 150 MM C/C

SCHEDULE OF FOUNDATIONS				
FOUNDATION MARKED	TYPE OF FOUNDATION	UNDER COLUMN	LENGTH (m)	WIDTH (m)
F-1	ISOLATED FOOTING	C-1, C-7, C-15, C-16	2400	2400
F-2	ISOLATED FOOTING	C-2, C-3, C-4, C-5	10925	2600
F-3	ISOLATED FOOTING	C-8, C-9, C-10, C-11, C-12	14525	2800
F-4	STRIP FOOTING	C-16, C-17, C-18	8075	2000
F-5	STRIP FOOTING	C-9, C-10	8075	350 TO 200

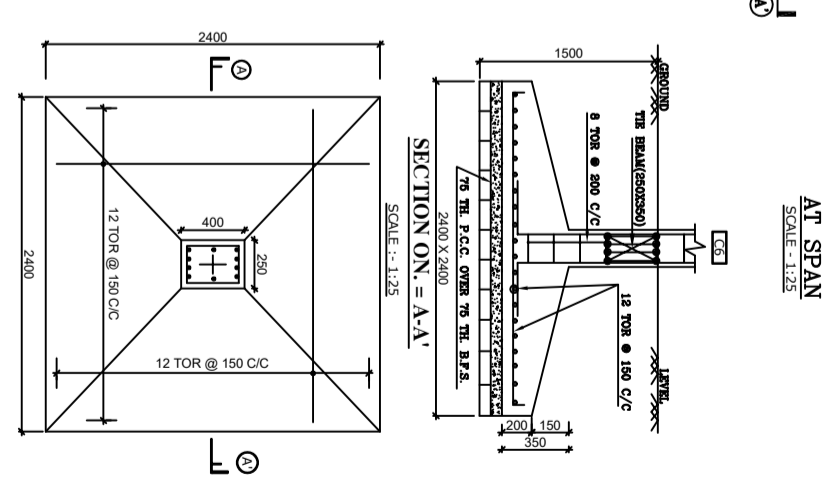
SCHEDULE OF COLUMNS		
COLUMN MARKED	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL	COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR LEVEL TO ROOF LEVEL
C-1, C-6, C-7, C-14, C-15, C-16, C-17, C-18	250 X 400 8 NOS. 16 $\Phi$ + 2 NOS. 12 $\Phi$	250 X 400 4 NOS. 16 $\Phi$ + 4 NOS. 12 $\Phi$
C-2, C-3, C-4, C-5, C-8, C-11, C-12, C-13	250 X 450 12 NOS. 16 $\Phi$	250 X 450 6 NOS. 16 $\Phi$ + 6 NOS. 12 $\Phi$
C-9, C-10	250 X 500 12 NOS. 16 $\Phi$	250 X 500 6 NOS. 16 $\Phi$ + 6 NOS. 12 $\Phi$



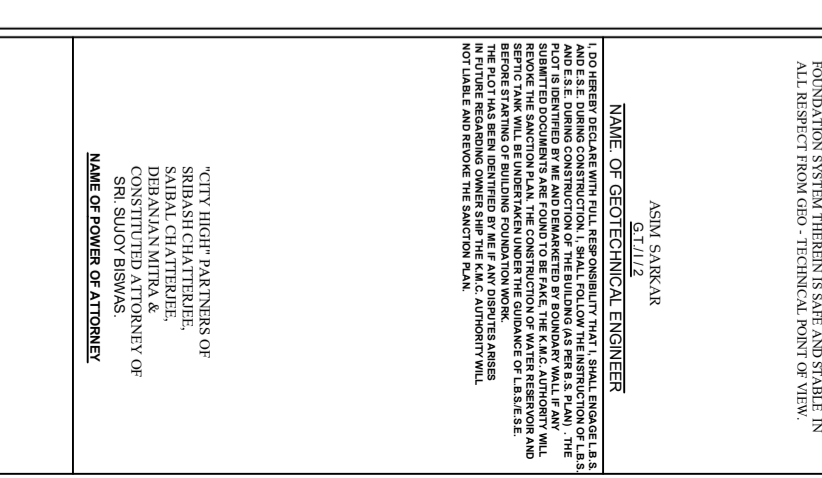
COLUMNS & FOUNDATIONS LAYOUT PLAN  
SCALE - 1:100



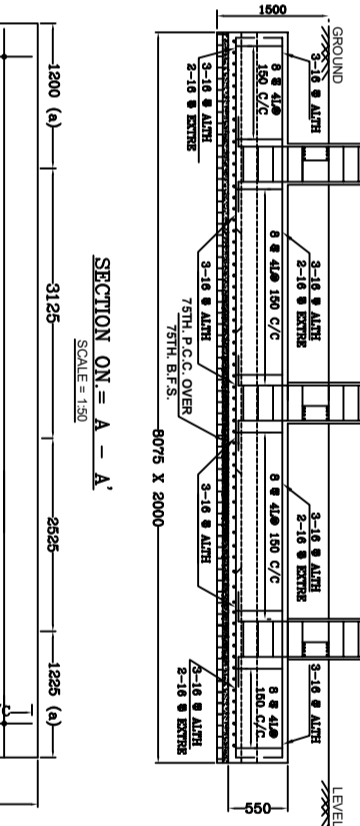
BEAMS & SLABS LAYOUT PLAN  
SCALE - 1:100



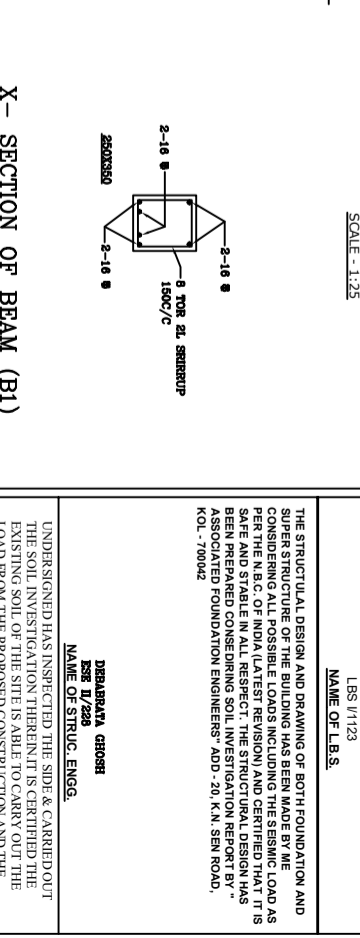
DETAILS OF STRIP FOUNDATION (F5)  
SCALE - 1:25



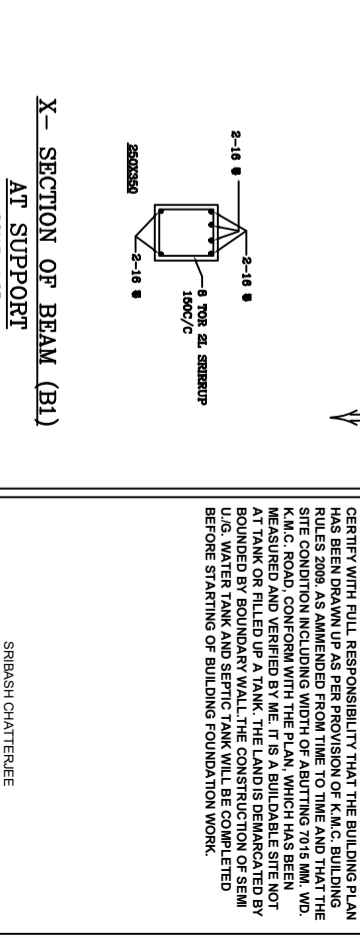
DETAILS OF ISOLATED FOUNDATION (F1)  
SCALE - 1:25



SECTION ON = A - A'  
SCALE = 1:50



X-SECTION OF BEAM (B1) AT SUPPORT  
SCALE - 1:25



X-SECTION OF BEAM (B1) AT SUPPORT  
SCALE - 1:25

STRUCTURAL PLAN FOR PROPOSED G+HII STORED RESIDENTIAL BUILDING AT PREMISES NO. - 3, FAKIR PARA ROAD, WARD NO. - 128, BOROUGH - XIV, P. S. - PARNASREE, KOLKATA - 700024, U/S - 393 (A) OF K.M.C. ACT, 1980, ALONG WITH THE K.M.C. BUILDING RULE 2009.

NAME OF OWNER - SRI. SUJOY BISWAS.

**SPECIFICATIONS:-**

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

CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING CODE, 1980, AS AMENDED FROM THE BUILDING AND PLANNING ACT, 1956, AND THE BUILDING PLAN HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE NOT AT RISK OR FILLED UP A TANK. THE LAND IS DEMARCATED BY U/G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME. THE LOADS AS PER THE N.E.C. OF INDIA (LATER 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, TOL - 700042.

DR. RAJESH CHATTERJEE  
RBS V/1123  
NAME OF L.B.S.

UNDER SIGNED HAS INSPECTED THE SITE & CARRIED OUT THE SOIL INVESTIGATION THEREIN IS GATHERED 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/11/2  
NAME OF GEOTECHNICAL ENGINEER

I, TOO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I, SMALL ENGINEER 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 PLAN IS IDENTIFIED BY ME AND DEMARCATED BY BOUNDARY WALL PER B.S. PLAN. THE LOADS AS PER THE N.E.C. OF INDIA (LATER REVISION) AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK WILL BE UNDER TAKEN UNDER THE GUIDANCE OF L.B.S. E.S.E. BEFORE STARTING OF BUILDING FOUNDATION WORK.

SRI. SUJOY BISWAS  
NAME OF OWNER

SRI. SUJOY BISWAS  
NAME OF POWER OF ATTORNEY