SCHEDULE OF COLUMN

COLUMN MKD	COLUMN SIZE & REIN FROM FOUND TO SECOND FLOOR LEVEL	COLUMN SIZE & REIN FROM SECOND FLOOR TO ROOF LEVEL
C1, C2, C3, C4, C6, C7, C8 C10, C11, C13, C14, C16, C18	250X450 12-16T	250X450 6-16T + 4-12T
C5, C9, C12, C15, C17	250X500 12-16T	250X500 6-16T + 6-12T

USE OF 8 T STIRRUPS @ 200 C/C

SCHEDULE OF RIB BEAM

UNDER FOUNDATION MKD. RIB BEAM	SIZE OF BEAM RIB BEAM	SUPPORT LONG REINFORCEMENT		SPAN LONG REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
F-1, F-5 RB - 1	450X550	3-16 T	5-16 T	5-16 T	3-16 T	8T 4-L@150mmC/C
F-2, F-3, F-4 RB - 2	450X850	3-16 T	5-16 T	5-16 T	3-16 T	8T 4-L@150mmC/C

SCHEDULE OF FOOTING

FDN MKD	TYPE OF FOUNDATION	UNDER COL. MKD.	LENGTH (m)	BREADTH (m)	THICKNESS OF SLAB (mm)	REINFORCEMENT	
						ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION
F1	STRIP FOOTING	C1, C2 & C3	10.613	2.00	350 TO 200	12T@150c/c	8 T@100c/c
F2		C4, C5, C8 & C7	12.088	2.50	350 TO 200	12T@150c/c	8T@100c/c
F3		C8, C9, C10 & C11	12.088	2.70	350 TO 200	12T@150c/c	8T@100c/c
F4		C12, C13, C14 & C15	11.625	2.80	350 TO 200	12T@125c/c	8T@100c/c
F5		C16, C17 & C18	11.625	2.20	350 TO 200	12T@125c/c	8T@100c/c

DEPTH OF FOUNDATION = 1.5 M BELOW EXISTING GROUND LEVEL

SCHEDULE OF FLOOR SLAB

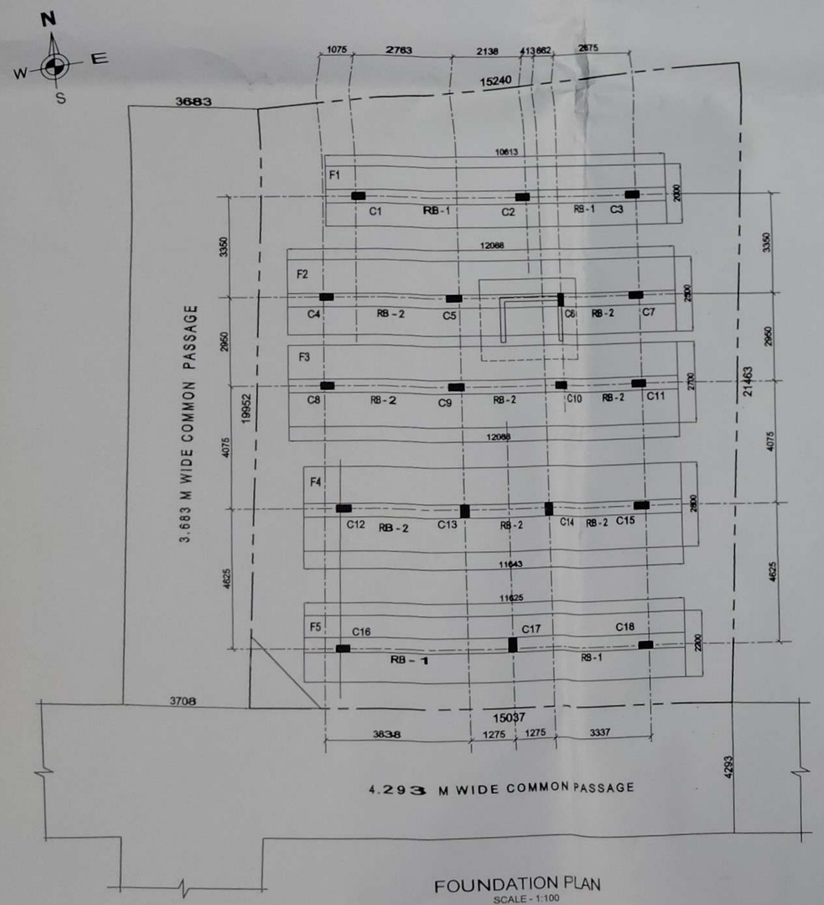
SLAB MKD.	SLAB THK.	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		At middle portion	At end portion	At middle portion	At end portion
S1	110	8T @ 150C/C	8T @ 150 C/C top & 8T @ 300 C/C bottom	8T @ 150 C/C	8T @ 150 C/C top & 8T @ 300 C/C bottom
S2	110	8T @ 100C/C	8T @ 100 C/C top & 8T @ 200 C/C bottom	8T @ 100 C/C	8T @ 100 C/C top & 8T @ 200 C/C bottom

SCHEDULE OF FLOOR BEAM

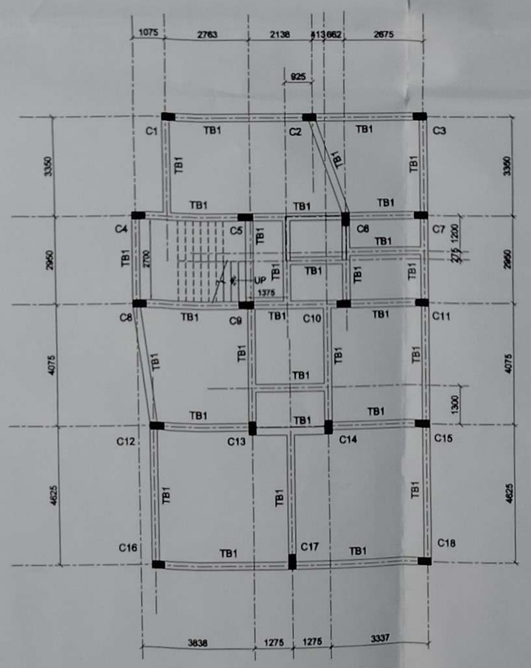
BEAM MKD.	SIZE OF BEAM	SUPPORT LONG REINFORCEMENT		SPAN LONG REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B1	250X400	3-16 T+2-16 T	3-16 T	3-16 T	3-16 T+2-16T	8T@150mmC/C
B2	250X400	2-16 T+2-12 T	2-16 T	2-16 T	2-16 T+2-12 T	8T@150mmC/C
B3	250X350	2-16 T+2-12 T	2-16 T	2-16 T	2-16 T+2-12 T	8T@150mmC/C
B4	250X350	2-16 T+2-12 T	2-12 T	2-16 T	2-12 T+2-12 T	8T@150mmC/C
B5	250X300	2-12 T+2-12 T	4-12 T	4-12 T	2-12 T+2-12 T	8T@150mmC/C

SCHEDULE OF TIE BEAM

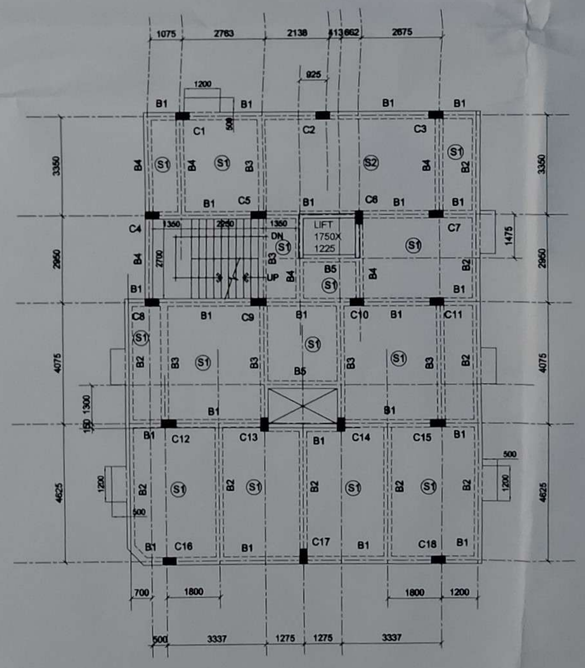
TIE BEAM MKD.	SIZE OF TIE BEAM	SUPPORT LONG REINFORCEMENT		SPAN LONG REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
TB1	250X350	2-16 T+2-12 T	2-12 T	2-16 T	2-12 T+2-12 T	8T@150mmC/C



FOUNDATION PLAN
SCALE - 1:100



TIE BEAM LAYOUT PLAN
SCALE - 1:100



BEAM & SLAB LAYOUT PLAN
SCALE - 1:100

IMPORTANT NOTES :-

1) ALL DIMENSIONS AND LEVELS SHOWN IN THE DRAWING ARE IN MM AND SHOULD BE FOLLOWED AS SHOWN IN THE DRAWING.
2) THE DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING AND ANY DISCREPANCY BETWEEN THE TWO SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING OF JOB
3) LEVELS IN THE DRAWING ARE SHOWN WITH REFERENCE TO EXISTING G.L AT SITE. WHICH HAS BEEN MARKED AS R.L +/-0.00
4) THE DRAWINGS SHOULD BE STUDIED CAREFULLY AND ALL DIMENSIONS SHOWN HERE SHOULD BE CHECKED AT SITE. CLARIFICATION REGARDING DISCREPANCY IF ANY, SHOULD BE OBTAINED BEFORE COMMENCEMENT OF WORK.
5) SPACER BAR USED SHALL BE OF 20mm. OR DIAMETER OF THE BAR USED N THE JOB WHICH IS LARGER.
6) STEEL TO BE USE SHOULD BE OF Fe-500 GRADE. REINFORCEMENT SHOULD BE WITH COLD TWISTED DEFORMED BARS CONFIRMING TO IS :- 1786 AND HAVE BEEN SHOWN AS .
7) CONCRETE SHOULD BE OF GRADE M20.
8) CLEAR COVER FOR MAIN REINFORCEMENT UNLESS MENTIONED SHOULD BE AS BELOW :-
   a) FOOTING:- 75 MM b) COLUMN :- 40MM
   b) FLOOR BEAM:- 25 MM , FLOOR SLAB = 15 MM
9) ANCHORAGE/LAP LENGTH SHOULD NOT BE LESS THAN 50 D FOR TENSION BAR AND 40 D FOR COMPRESSION BAR.
10) WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

CERTIFICATE OF STRUCTURAL ENGINEER :

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN PREPARED BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS. SOIL TEST HAS BEEN DONE BY M/GS SUJIT KUMAR BOSE OF 'BOSE ENGINEERS', ADDRESS : 53, PURNA CHANDRA MITRA LANE, KOLKATA - 700033. THE RECOMMENDATION OF SOIL TEST HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION .

D. GHOSH
EMPANELMENT NO. - II /128 (K.M.C.)
NAME OF STRUCTURAL ENGINEER

CERTIFICATE OF GEO-TECHNICAL ENGINEER :

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO -TECHNICAL POINT OF VIEW.

SUJIT KUMAR BOSE
EMPANELMENT NO. - G.T. / I / 12 (K.M.C.)
NAME OF GEO TECHNICAL ENGINEER

CERTIFICATE OF ARCHITECT :

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 CONDITIONS INCLUDING THE WIDTH OF THE ABUTTING 4.293 M. WIDE ROAD, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE & NOT A TANK OR FILLED - UP TANK. THE PLOT IS BOUNDED BY BOUNDARY WALLS. THE CONSTRUCTION OF S.U.G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

(ANJAN DUTTA)
(CA/93/16409)
NAME OF ARCHITECT

OWNER'S/APPLICANT DECLARATION :

I / WE SHALL ENGAGE L.B.S. & E.S.E. DURING CONSTRUCTION
I / WE SHALL FOLLOW THE INSTRUCTION OF L.B.S. & E.S.E. DURING CONSTRUCTION OF THE BUILDING AS PER (B.S.PLAN) K.M.C. AUTHORITY WILL NOT RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURES. 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 E.S.E. & L.B.A. BEFORE STARTING OF BUILDING FOUNDATION WORK.

SMT. SANDHYA DAS, SMT. GITA DAS, SHRI BIPLAB DAS
NAME OF OWNER/APPLICANT

PLAN OF A PROPOSED G+III STORIED RESIDENTIAL BUILDING U/S 393A OF K.M.C. ACT 1980 COMPLYING K.M.C. BUILDING RULE 2009 (AMENDED) AT PREMISES NO. - 63/2A, BANERJEE PARA ROAD, WARD NO. - 127, BOROUGH- XIV, P.S. - SARSUNA, KOLKATA - 700061,

OWNERS NAME:-
SMT. SANDHYA DAS, SMT. GITA DAS, SHRI BIPLAB DAS