

SPACE FOR OFFICE

**FOUNDATION SCHEDULE**

| F.D.N. MKD. | F.D.N. UNDER COLUMN                   | FOUND. SIZE (mm) | d (mm) | D (mm) | REINFORCEMENT                     |
|-------------|---------------------------------------|------------------|--------|--------|-----------------------------------|
| F1          | C1, C2, C4, C5                        | 2000x2000        | 200    | 300    | 10 T @ 125 c/c (BW)               |
| F2          | C3, C7, C20, C8                       | 2600x2600        | 200    | 400    | 12 T @ 125 c/c (BW)               |
| F3          | C6, C9, C12, C8, C16, C27, C28        | 2300x2300        | 200    | 350    | 12 T @ 150 c/c (BW)               |
| F4          | C8, C10, C19, C21, C22, C24, C25, C26 | 2800x2800        | 200    | 450    | 12 T @ 110 c/c (BW)               |
| F5          | C23                                   | 3015x2600        | 200    | 450    | 12 T @ 110 c/c (BW)               |
| F6          | C11                                   | 1800x1800        | 200    | 300    | 10 T @ 150 c/c (BW)               |
| F7          | C20                                   | 2420x2000        | 200    | 350    | 10 T @ 110 c/c (BW)               |
| F8          | C13+C14+C15+C18                       | 7105x510         | 450    | 450    | 12 T @ 150 c/c (BW) IN TWO LAYERS |

**BEAM SCHEDULE**

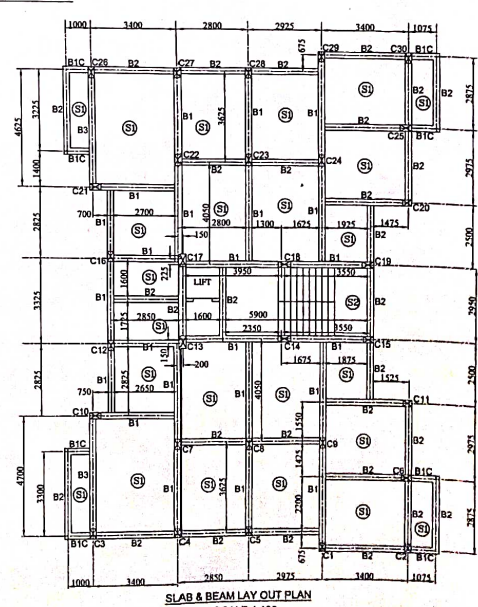
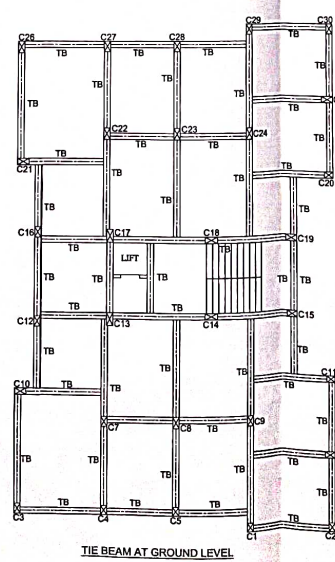
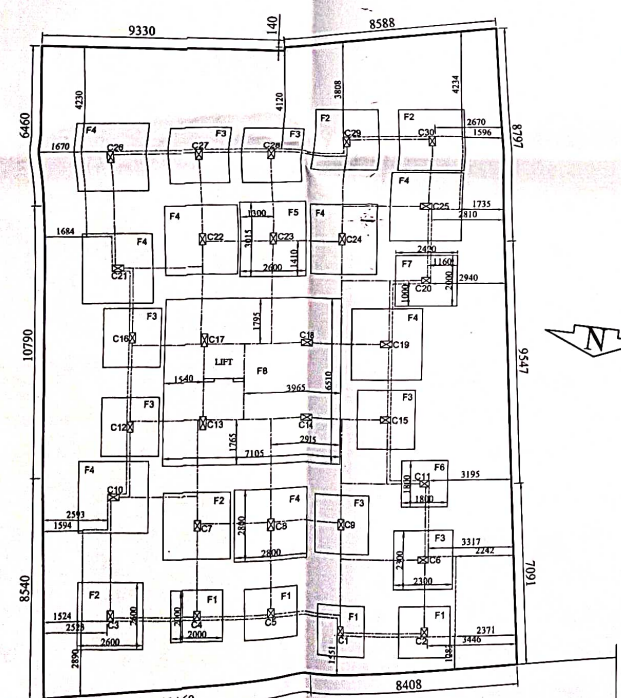
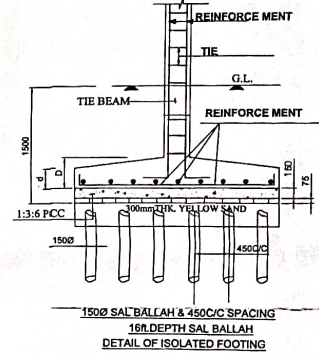
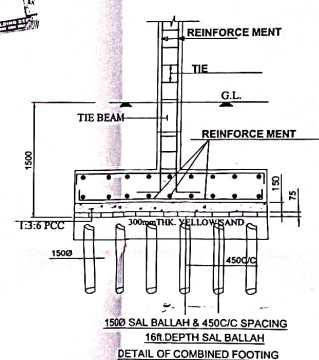
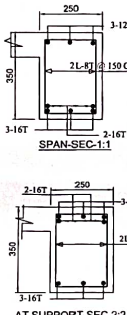
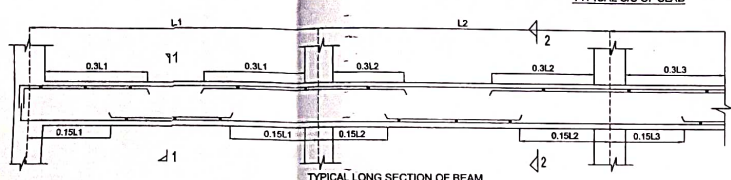
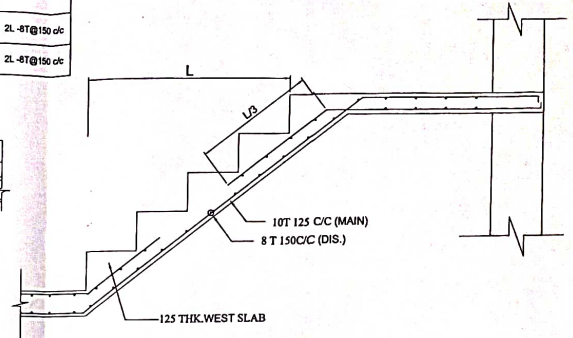
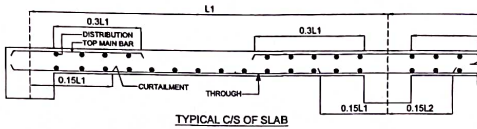
| BEAM MKD.     | SECTION | REINF. (SUPPORT) |        | REINF. (SPAN) |        | STIRRUP         |
|---------------|---------|------------------|--------|---------------|--------|-----------------|
|               |         | TOP              | BOTTOM | TOP           | BOTTOM |                 |
| B1            | 250x350 | 3-12 F<br>2-16 F | -16 F  | 3-12 F        | 5-16 F | 2L-8T @ 150 c/c |
| B2            | 250x300 | 2-12 F<br>2-16 F | 2-16 F | 2-12 F        | 4-16 F | 2L-8T @ 150 c/c |
| B3            | 250x400 | 3-16 F<br>2-16 F | 3-16 F | 3-16 F        | 5-16 F | 2L-8T @ 150 c/c |
| B1C           | 250x350 | 5-16 F           | 2-16 F | 5-16 F        | 2-16 F | 2L-8T @ 150 c/c |
| ALL TIE BEAMS | 250x350 | 3-12 F<br>2-12 F | 3-12 F | 3-12 F        | 5-12 F | 2L-8T @ 150 c/c |

**COLUMN SCHEDULE**

| COLUMN MKD.                                    | SECTION | REINFORCEMENT | TIE             |
|--|---------|---------------|-----------------|
| C13, C14, C17, C18                             | 250x350 | 12-16T        | 2L-8T @ 150 c/c |
| C8, C9, C10, C11, C12, C22, C23, C24, C25, C26 | 250x450 | 10-16T        | 2L-8T @ 150 c/c |
| C1, C2, C4, C5, C11, C20                       | 250x350 | 8-16T         | 2L-8T @ 150 c/c |
| ALL OTHERS                                     | 250x400 | 8-16T         | 2L-8T @ 150 c/c |

**SLAB SCHEDULE**

| SLAB MKD. | THICKNESS | REINFORCEMENT |              | PROVIDE 8T 150 c/c AT EDGES AS EXTRA TOP |
|-----------|-----------|---------------|--------------|--|
|           |           | MAIN REINF.   | DISTRIBUTION |  |
| S1        | 110 MM    | 8 T @ 125 c/c | 8 T 150 c/c  |  |
| S2        | 120 MM    | 8 T @ 125 c/c | 8 T 125 c/c  | PROVIDE 8T 150 c/c AT EDGES AS EXTRA TOP |



6.150M. WIDE K.M.C. ROAD

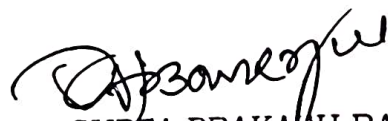
## PROJECT :

STRUCTURAL LAYOUT PLAN OF PROPOSED G+III STORIED RESIDENTIAL BUILDING  
PLAN AT PREMISES NO.-2108, NAYABAD, UNDER- K.M.C WARD NO-109,  
BOROUGH - XII, OF HEIGHT-12.250 M., MOUZA - NAYABAD, J.L NO - 25,  
R.S. KHATIAN NO-139, R.S. DAG NO.-110,  
COMPLYING K.M.C. BUILDING RULE 2009.UNDER SECTION 393A OF K.M.C. ACT-1980.  
PLAN CASE NO-2019120825

### NOTES & SPECIFICATIONS

- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
- GRADE OF CONCRETE M20 AND GRADE OF STEEL FE415.
- CENTER LINE GIVEN HERE ARE BEAM CL ONLY.
- IN CASE OF ANY DISCRIPANCY IN DW'G. REFER TO ARCHITECT.
- FOUNDATION :- 1) BOTTOM COVER-50MM SHOULD BE MAINTAINED.  
2) SIDE COVER-75MM.
- COLUMN:- CLEAR COVER -40MM.
- BEAM:- 1)TOP-25MM, 2)BOTTOM-25MM,3)SIDE-15MM.
- SLAB :- 1) BOTTOM-15MM 2) SIDE-15MM.
  
- EXTRA TOP REINFORCEMENT:-  
0.25XC/C DISTANCE OF DISCONTI.SUPT.
- EXTRA TOP REINFORCEMENT:-  
0.25XC/C DISTANCE OF CONTI. SUPT.
- EXTRA BOTTOM REINFORCEMENT:-  
0.10XC/C DISTANCE OF DISCONT.SUPT.
- EXTRA BOTTOM REINFORCEMENT:-  
0.15XC/C DISTANCE OF CONT. SUPT.
  
- SLAB:-  
1)TOP CURTAILMENT OF BAR: 0.10XC/C DISTANCE OF DISCONTINUOUS EDGE  
2)TOP CURTAILMENT OF BAR: 0.15XC/C DISTANCE OF CONTINUOUS EDGE.  
3)BOTTOM CURTAILMENT OF BAR: 0.15XC/C DISTANCE OF DISCONTI.EDGE  
4)BOTTOM CURTAILMENT OF BAR :-0.25XC/C DISTANCE OF CONTI.EDGE.  
5) EXTRA TOP CURTAILMENT OF BAR:- 0.30XC/C DISTANCE OF CONTI. EDGE.  
• BOND/LAP LENGTH FOR REINFORCEMENT-50D.  
• FOUNDATION DEPTH SHOULD BE MAINTAINED 1200MM FROM ORIGINAL SOIL.
  
- ABBREVIATION USED :-  
(a) TB - TIE BEAM., (b) B - FLOOR BEAM. ,  
(c) C - COLUMN.,(d) S - SLAB.,(e) F - FOOTING.

I 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 AND K.M.C. Act.1980, THAT THE SITE CONDITIONS INCLUDING THE WIDTH OF ABUTTING ROAD CONFORM WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE & NOT A TANK OR FILLED UP TANK THE PLOT IS DEMARKED BY BOUNDARY WALL.THE CONSTRUCTION OF U.G WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

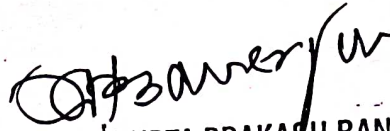


SUPTA PRAKASH BANERJEE  
B. TECH. (CIVIL)  
LICENSED BUILDING SURVEYOR  
KOLKATA MUNICIPAL CORPORATION  
LICENCE No:- 1070 CLASS- 1

SUPTA PRAKASH BANERJEE LICENCE NO-1070(1)

SIG. OF L.B.S.

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LODS INCLUDING SEISMIC LODS AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL TESTING HAS BEEN DONE BY RUPAK KUMAR BANERJEE, OF ACUMEN GEO CONSULTANTS, 2F, NABA ROY LANE, ALIPORE, KOLKATA- 700027, KOLKATA- 700027, WEST BENGAL, INDIA. THE RECOMMENDATIONS SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURE CALCULATIONS. LOADS INCLUDING THE SEISMIC LOAD AS PER THE N.B.C. OF INDIA.



**SUPTA PRAKASH BANERJEE**  
Empanelled Structural Engineer  
Kolkata Municipal Corporation  
Licence No.- ESE/II-554

SUPTA PRAKASH BANERJEE ESE-554(II)  
SIG. OF E.S.E.

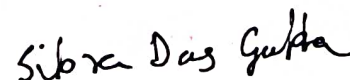
UNDER SIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THERE ON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE, IN ALL RESPECT FROM GEO-TECHNICAL POINT OF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



**RUPAK KUMAR BANERJEE**  
B.C.E., M.E., MIGS  
M.I.E., CHARTERED ENGINEER  
ENLISTED GEO TECHNICAL ENGINEER (K.M.C.)  
G.T./1/3 (K.M.C.) LM-4279, M.-153878-5

RUPAK KUMAR BANERJEE, LICENCE NO. GT-1/3(K.M.C)  
SIG. OF GEO TECHNICAL CONSULTANT

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT.  
I SHALL ENGAGE L.B.S & E.S.E. DURING CONSTRUCTION.  
I SHALL FOLLOW THE INSTRUCTIONS OF L.B.S & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER B.S. PLAN).  
K.M.C AUTHORITY WILL NOT BE 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 UNDERTAKING UNDER THE GUIDANCE OF E.S.E/  
L.B.S BEFORE STARTING OF BUILDING FOUNDATION WORK.  
I WAS PHYSICALLY PRESENT DURING SITE INSPECTION & DULY IDENTIFIED THE PLOT.



**SMT. SIPRA DASGUPTA**  
SIGNATURE OF OWNER

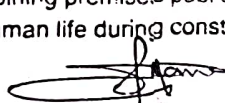
DRAWN BY : SUDIP MANDAL  
DATE-04/09/2020



**CONSTECH INDIA**  
28D RAJA S.C. MALLIK ROAD  
JADAVPUR, KOLKATA -700032

# PARTY'S COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2020/20151 Date 01-10-2020 for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.



EXECUTIVE ENGINEER/ASSTT. ENGINEER  
BOROUGH NO. - X2

