FOUNDATION SCHEDULE

FDN MKD.	F.D.N UNDER COLUMN	FOUND SIZE L1XL2 [mmxmm]	d (mm)	D (mm)	REINFORCEMENT
F1	C1,C16,C25	2000X2000	200	400	10 T @125 c/c(B/W)
F2	C3,C20	2900X2900	250	500	16 T @ 150 c/c(B/W)
F3	C18	3050X2400	250	450	12 T @ 110 c/c(B/W)
F4	C2,C11,C12,C22	2700X2700	250	450	12 T @ 110c/c(B/W)
F5	C6+C9	3000X5375		450	12 T @ 125 c/c(B/W) IN TWO LAYERS
F6	C14+C15+C17+LIFT	AS PER DR.		450	12 T @ 125 c/c(B/W) IN TWO LAYERS
F7	C23+C24	3900X3000		450	12 T @ 125 c/c(B/W) IN TWO LAYERS
F8	ALL OTHERS	2300X2300	200	400	10 T @ 100 c/c(B/W)

BEAM SCHEDULE

BEAM MKD.	SECTION	REINF.(SUPPORT)		REINF.(SPAN)		STIRRUP
		TOP	BOTTOM	TOP	BOTTOM	
B1	200X350	3-12ϕ + 2-16ϕ	3-16ϕ	3-12ϕ	5-16ϕ	2L -8T@150 c/c
B2	250X300	2-12 ϕ + 2-16 ϕ	2-16ϕ	2-12ϕ	4-16ϕ	2L -8T@150 c/c
B3	250X400	3-16 ϕ + 2-16 ϕ	3-16ϕ	3-16ϕ	5-16ϕ	2L -8T@150 c/c
B4	200X450	3-16 ϕ + 3-16 ϕ	3-16ϕ	3-16ϕ	6-16ϕ	2L -8T@150 c/c
B1C	250X350	5-16 ϕ	2-16ϕ	5-16ϕ	2-16ϕ	2L -8T@150 c/c
B2C	250X500 TO 250X350	5- 20 ϕ	2-20ϕ	5-20ϕ	2-20ϕ	2L -8T@150 c/c
TB1	250X350	5 - 12ϕ	3-12ϕ	3-12ϕ	5-12ϕ	2L -8T@150 c/c
TB2	200X400	5 - 12ϕ	3-12ϕ	3-12ϕ	5-12ϕ	2L -8T@150 c/c

SLAB SCHEDULE

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

COLUMN SCHEDULE

COLUMN MKD.	SECTION	REINFORCE-MENT	TIE
C1,C16,C25	250X350	6 - 16T	2L-8T@150 c/c
C4,C5,C8,C10,C13, C24	250X400	6 - 16T	2L-8T@150 c/c
C7,C9,C21,C22, C23	250X400	8 - 16T	2L-8T@150 c/c
C3,C6,C14,C15,C20	250X500	10 - 16T	2L-8T@150 c/c
ALL OTHERS	250X450	8 - 16T	2L-8T@150 c/c

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 DWG. 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:- 0.25X/C/C DISTANCE OF DISCONTI.SUPT.
- EXTRA TOP REINFORCEMENT:- 0.25X/C/C DISTANCE OF CONTI. SUPT.
- EXTRA BOTTOM REINFORCEMENT: 0.10X/C/C DISTANCE OF DISCONT.SUPT.
- EXTRA BOTTOM REINFORCEMENT:- 0.15X/C/C DISTANCE OF CONT. SUPT.

- **SLAB:-** 1)TOP CURTAILMENT OF BAR: 0.10X/C/C DISTANCE OF DISCONTINUOUS EDGE 2)TOP CURTAILMENT OF BAR: 0.15X/C/C DISTANCE OF CONTINUOUS EDGE. 3)BOTTOM CURTAILMENT OF BAR: 0.15X/C/C DISTANCE OF DISCONTI.EDGE 4)BOTTOM CURTAILMENT OF BAR :-0.25X/C/C DISTANCE OF CONTI.EDGE. 5) EXTRA TOP CURTAILMENT OF BAR:- 0.30X/C/C DISTANCE OF CONTI. EDGE.
- BOND/LAP LENGTH FOR REINFORCEMENT-50D.
- FOUNDATION DEPTH SHOULD BE MAINTAINED 1500MM FROM ORIGINAL SOIL.

DECLARATION OF STRUCTURAL ENGINEER

CERTIFIED THAT THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALLPOSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE ALL RESPECT

S B Bhattacharyya (Omi)
ESE-116/1
S.B. BHATTACHARJEE
E.S.E. OF K.M.C.
E.S.E. NO. - 116, CLASS - I
SIGNATURE OF E.S.E.

DECLARATION

IT IS CERTIFIED THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF BUILDING RULES AS AMMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND AS INFORMED BY THE OWNER NOT A TANK OR FILLED UP TANK.

Suparna Ganguly
Suparna Ganguly
L.B.S. of K.M.C.
L.B.S. No.-109
SUPARNA GANGULY
L.B.S. OF K.M.C.
L.B.S. NO. - 109, CLASS - I
SIGNATURE OF L.B.S.

SRI ANIL CHANDRA GHOSH
As constituted attorney for
SMT. SAFALI BISWAS
SRI SANDIPAN BISWAS
SMT. SOMA CHOWDHURY
SRI ANIL CHANDRA GHOSH
C/A. OF SAFALI BISWAS, SRI SANDIPAN BISWAS AND SMT. SOMA CHOWDHURY
SIGN. OF OWNER

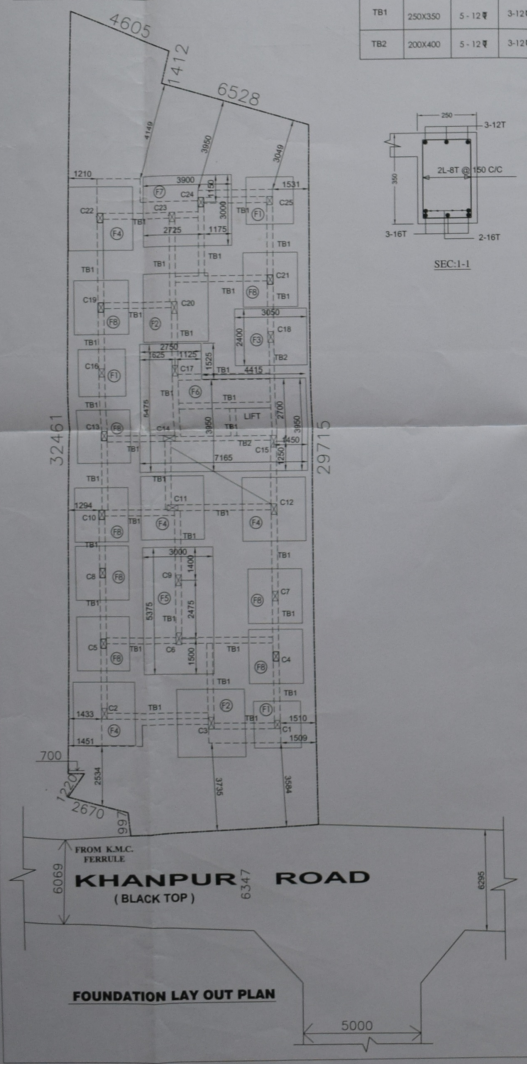
STRUCTURAL ENGINEER

S.B. BHATTACHARYYA

DWG .NO : 10 S07 17
PLAN .NO :
S.D : S.B.B
DRAWN BY : S.R

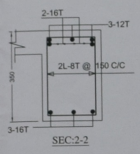
STRUCTURAL DRAWING OF PROPOSED G+III STORIED RESIDENTIAL BUILDING PLAN U/S 393A, K.M.C. ACT 1980 BUILDING RULE 2009 AT PRE. NO.- 16/5, KHANPUR ROAD, P.S. - NETAJI NAGAR, WARD NO. 98, BOROUGH NO. X, DIST: 24- PARGANAS(S) KOLKATA-700047.

USE FOR OFFICE

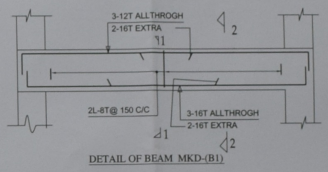


FOUNDATION LAY OUT PLAN

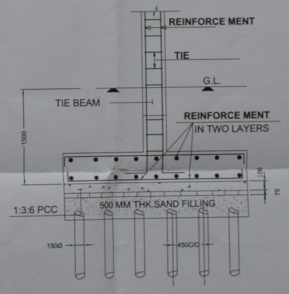
SEC:1-1



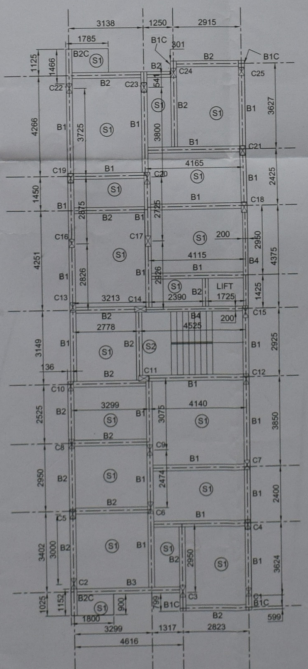
SEC:-2-2



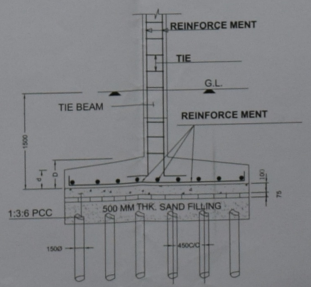
DETAIL OF BEAM MKD-(B1)



DETAIL OF COMBINED FOOTING



SLAB & BEAM LAY OUT PLAN



150 MMØ SAL BALLAH & 450C/C SPACING
16FT.DEPTH SAL BALLAH
DETAIL OF ISOLATED FOOTING

PARTY'S COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2017100078 Date 14.7.2017 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 safetyof the adjoining premises public and private properties and safety of human life during construction.

EXECUTIVE ENGINEER/~~ASSTT ENGINEER~~
BOROUGH NO. X

174/Br-x/16-17

BUILDING DEPARTMENT
13 JUL 2017
Borough-X
THE KOLKATA MUNICIPAL CORPORATION