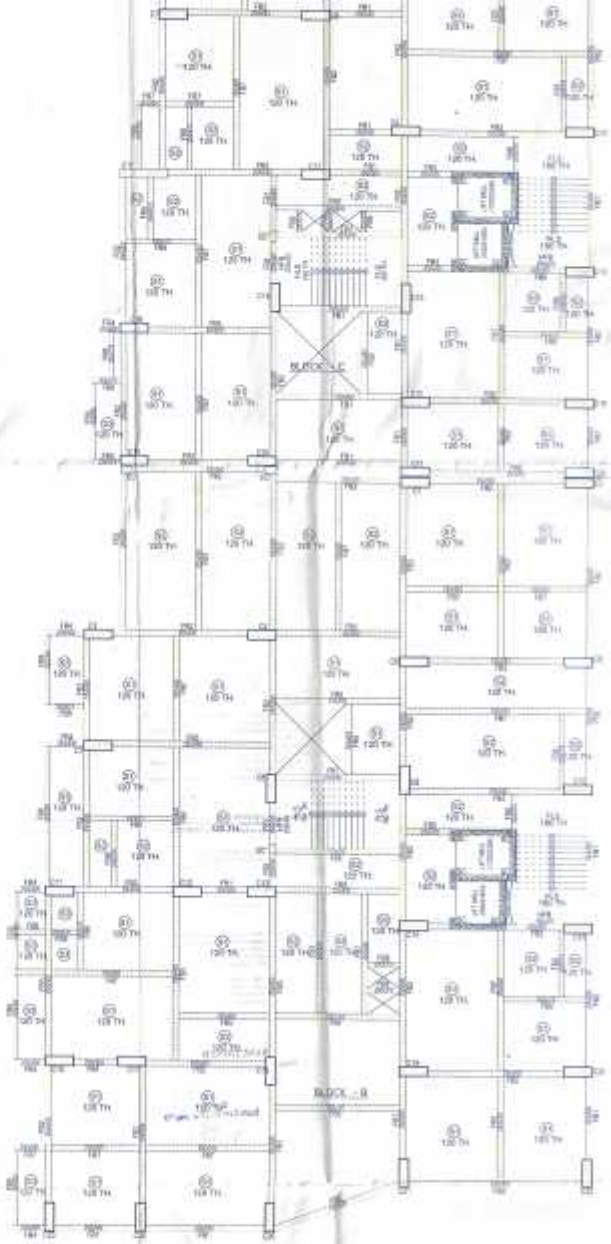
3. FLOOR BEAM	25	30	30
4. FLOOR SLAB	25	30	30
5. WAIST SLAB	25	30	30
6. LIFT WALL	-	-	30

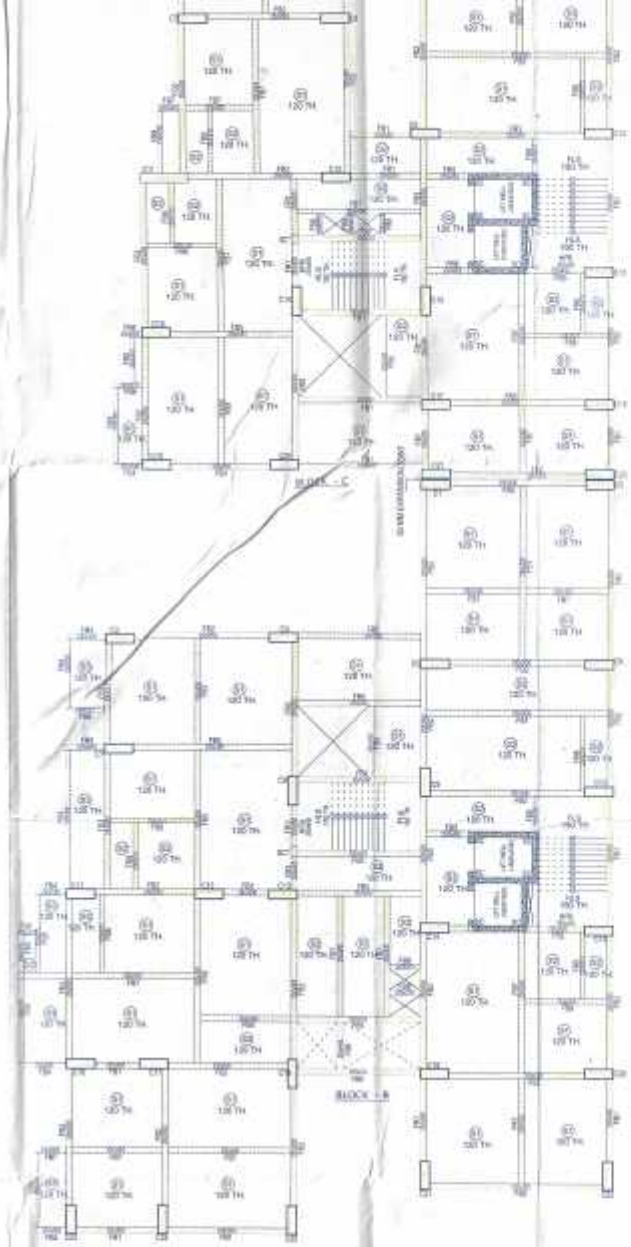
7. EXTRA TOP & BOTTOM
BEAM - I) EXT. TOP TO BE PROVIDED AT 0.25L FROM SUPPORT
II) EXT. BOTT. TO BE EXTENDED 0.15L FROM SUPPORT.
SLAB - I) EXT. TOP TO BE PROVIDED IN ALL SUPPORT FOR A LENGTH OF 0.25L+120 FROM SUPPORT
8. ALL DRAWINGS SHALL BE CORRELATED WITH ARCHITECTURAL DRAWINGS AND ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER BEFORE EXECUTION.
9. CONTRACTOR MUST VERIFY ALL DIMENSION AT SITE BEFORE EXECUTION OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER LINE AND LEVEL OF STRUCTURE.
10. SUITABLE BRACKETS & CHAIRS TO BE PROVIDED WHERE REQD.
11. BARS SHOULD BE SPLAYED I.N.O. WHERE REQUIRED.
12. ALL THE WORKS SHALL BE DONE AS PER REQUIREMENT IS CODE PERTAINING TO WORK.
13. DESIGN IS BASED ON AS PER IS 456:2000, IS 1893:2002, SP-16 & IS 13920.
14. FOR REINFORCEMENT CONFINEMENT REFER IRC:SP:34 (LATEST) WHERE EVER REQUIRED.
15. FOR DUCTILE DETAIL REF COLLOW IS 13920:1993.

SPECIFICATIONS :-

1. ALL EXTERNAL WALLS ARE 250 TH. AND INTERNAL WALLS ARE 125 & 75 TH. AS MENTIONED IN ARCHITECTURAL DRG.
2. ALL WORKS OF PRECAST CHAJJA MEASURE WILL BE TAKEN AT THE TIME OF CONSTRUCTION.
3. ALL BUILDING MATERIALS WILL BE AS PER I.S. 2338 & I.S.C. 1893.



FIRST FLOOR BEAM LAYOUT PLAN
(SCALE 1 : 100)



2ND. FLOOR BEAM LAYOUT PLAN
(SCALE 1 : 100)

FLOOR/ROOF SLAB SCHEDULE
CONCRETE GRADE M - 25

SLAB NO.	DEPTH	REINF. AT SPAN BOTTOM		REINF. AT SUPPORT TOP	
		SHORTER DIRECTION	LONGER DIRECTION	SHORTER DIRECTION	LONGER DIRECTION
S1	120	10 ϕ @ 125 C/C	10 ϕ @ 125 C/C	10 ϕ @ 125 C/C	10 ϕ @ 125 C/C
S2	120	10 ϕ @ 125 C/C	10 ϕ @ 150 C/C	10 ϕ @ 125 C/C	10 ϕ @ 150 C/C
S3	120	10 ϕ @ 150 C/C	10 ϕ @ 150 C/C	10 ϕ @ 150 C/C	10 ϕ @ 150 C/C

FIRST FLOOR TO ROOF BEAM SCHEDULE AT DIFFERENT LV.
GRADE OF CONCRETE : M30 from 1st FLOOR to ROOF

BEAM NO.	WIDTH	DEPTH	SUPPORT REINF.		SPAN REINF.		STIRRUPS	
			TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
FB1	230	600	3-20ϕ + 1-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ + 1-20ϕ	2L-10ϕ @ 150 C/C	2L-10ϕ @ 200 C/C
FB2	230	600	3-20ϕ + 2-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ + 2-20ϕ	2L-10ϕ @ 125 C/C	2L-10ϕ @ 175 C/C
FB3	230	600	3-20ϕ + 3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ + 3-20ϕ	2L-10ϕ @ 125 C/C	2L-10ϕ @ 125 C/C
FB4	230	600	3-20ϕ + 3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ	2L-10ϕ @ 150 C/C	2L-10ϕ @ 150 C/C
FB5	230	600	3-20ϕ + 3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ + 3-20ϕ	2L-10ϕ @ 150 C/C	2L-10ϕ @ 200 C/C

Director
SIGNATURE OF OWNER

CERTIFICATE OF BUILDING PLAN

I/WE HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON BUILDING NO. 30/3 STREET CAL JESSORE ROAD WARD NO. 21 UNDER THE JURISDICTION OF SOUTH DUM DUM MUNICIPALITY HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT RULES UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES. I/WE ALSO TO CERTIFY THAT ALL RELEVANT NO OBJECTION CERTIFICATES FOR THE PROPOSED BUILDING AS PER THE AND REQUIRED BY FIRE DEPARTMENT, AIRPORT AUTHORITY, TELECOMMUNICATION DEPARTMENT ETC. IS APPLICABLE & THEREFORE ARE ALSO ENCLOSED WITH THE APPLICATION FOR OBTAINING APPROVAL OF THE PLAN TO CONSTRUCT A COMMERCIAL TYPE OF THE BUILDING ON THE SAID PLOT.

Tarkan Bhattacharjee
Licensed Building Surveyor
Class I
Lic. No.: [illegible]

SIGN. OF LICENSED BUILDING SURVEYOR/ARCHITECT

CERTIFICATE OF STRUCTURAL STABILITY

I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING TO BE USED FOR CONSTRUCTION ON HOLDING NO. 30/3 STREET CAL JESSORE ROAD WARD NO. 21 UNDER THE JURISDICTION OF SOUTH DUM DUM MUNICIPALITY HAVE BEEN PERSONALLY INSPECTED AND ACCORDING BY MEASURE ALL RAW SOIL FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONSTRUCTIVE AND CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT I.S. CODE OF PRACTICE AND NATIONAL BUILDING CODE.

M. and N. Estate Designs, JV
Regn. No.: CA/2006/33277
Supervising Structural Engineer
Lic. No.: [illegible]

Ashoke Kumar Bhattacharjee
26, Bhaskar Park, Kolkata - 700078
Registered Geotechnical Engineer
NO.- [illegible]

SIGN. OF STRUCTURAL ENGINEER

SIGN. OF GEOTECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL REVIEWER

I/WE HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION AT HOLDING NO. 30/3 STREET CAL JESSORE ROAD WARD NO. 21 UNDER THE JURISDICTION OF SOUTH DUM DUM MUNICIPALITY HAS BEEN VISITED BY ME/US. FOR ALL THE SEISMIC DESIGN ASPECT OF THE DRAWING NUMBER SHOWN FLOOR TEST REPORT AND SOIL TEST RESULTS FOR FOUNDATION AND SUPERSTRUCTURE HAVE BEEN DULY REVIEWED CONFORMING TO DRAWING OF ALL LATEST RELEVANT I.S. CODE OF PRACTICE AND NATIONAL BUILDING CODE. THE PROPOSED FOUNDATION AND SUPER STRUCTURE ARE SAFE IN ALL RESPECT.

Ashoke Kumar Bhattacharjee
26, Bhaskar Park, Kolkata - 700078
Registered Structural Engineer
NO.- [illegible]

SIGN. OF STRUCTURAL REVIEWER

PROJECT TITLE :
REVISED G+7 (BLOCK-A) & G + 18 (BLOCK-B & C, Including one service floor at 1st. floor) STORIED RESIDENTIAL BUILDING PLAN AT HOLDING NO. 30/3, CAL-JESSORE ROAD, WARD NO.-21, KOLKATA-700055. MOUZA - SHYAMNAGAR, EL. NO-32/20, C.S. DAG NO.- 223, 211, 224, 213, 215, 216, 219, 222. C.S. KHATIAN NO-5, 6, 7, 11, 447, 733, 79, 884. P.S.-DUM DUM, DIST.-24 PGS (N), UNDER SOUTH DUM DUM MUNICIPALITY.

NAME OF OWNERS :-
M/S. GANGOTRI MARCOM PVT. LTD. & NINE OTHERS.

PREVIOUS SANCTION PLAN NO.-482, DATED-19.07.2014

SANCTION DRAWING FOR BLOCK-B & C