COLUMN SCHEDULE (BLOCK-A)

GRADE OF CONCRETE - M20

2ndFLOOR TO ROOF LVL	4-20 TOR + 4-16 TOR	8-16 TOR	4-20 TOR + 4-16 TOR	8-16 TOR
FOUNDATION TO 2nd FLOOR	8-20 TOR	4-20 TOR + 4-16 TOR	4-20 TOR + 4-16 TOR	8-16 TOR
LINKS DETAILS				
C/S OF COLUMN				
COL SIZE	250X450	250X450	250X450	250X450
LINK	8 @100C/C UP TO 75 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8 @200C/C			
COL MARKED	C1A,C2A,C3A,C4A,C5A C14A,C17A,C18A	C16A,C15A,C19A,C27A C22A	C13A	C6A,C7A,C8A,C9A,C10A C11A,C12A,C20A,C21A C23A,C25A,C26A,C27A C28A,C29A

COLUMN SCHEDULE (BLOCK-B)

GRADE OF CONCRETE - M20

2ndFLOOR TO ROOF LVL	4-20 TOR + 4-16 TOR	8-16 TOR	8-16 TOR	4-20 TOR + 4-16 TOR
FOUNDATION TO 2nd FLOOR	8-20 TOR	4-20 TOR + 4-16 TOR	8-16 TOR	4-20 TOR + 4-16 TOR
LINKS DETAILS				
C/S OF COLUMN				
COL SIZE	250X450	250X450	250X450	250X450
LINK	8 @100C/C UP TO 75 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8 @200C/C			
COL MARKED	C1B,C2B,C3B,C4B,C7B C9B,C13B	C5B,C6B,C10B,C11B [illegible] C17B,C19B,C20B,C21B [illegible] C26B	[illegible]	[illegible]

COLUMN SCHEDULE (BLOCK-C)

GRADE OF CONCRETE - M20

2ndFLOOR TO ROOF LVL	4-20 TOR + 4-16 TOR	8-20 TOR	4-20 TOR + 4-16 TOR	8-16 TOR	8-16 TOR
FOUNDATION TO 2nd FLOOR	8-20 TOR	8-20 TOR	12-20 TOR	4-20 TOR + 4-16 TOR	8-16 TOR
LINKS DETAILS					
C/S OF COLUMN					
COL SIZE	250X450	250X450	250X450	250X450	250X450
LINK	8 @100C/C UP TO 75 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8 @200C/C				
COL MARKED	C3C,C10C,C11C,C13C,C14C C15C,C17C,C18C,C20C	C4C,C16C,C21C	C9C	C6C,C5C,C12C,C19C,C22C C23C,C24C,C25C,C27C C26C	C8C,C7C,C1C,C2C [illegible] C29C

BEAM SCHEDULE FOR BLOCK-A

GRADE OF CONCRETE - M20

BEAM MKD	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
[illegible]	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	5-16 T	4-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	2-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	450	2-16 T	3-16 T	2-16 T	5-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	3-16 T	2-16 T	3-16 T	2-16 T	8 T @150C/C	8 T @150C/C
[illegible]	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C

BEAM SCHEDULE FOR BLOCK-B

GRADE OF CONCRETE - M20

BEAM MKD	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
[illegible]	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	5-16 T	4-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	200	400	4-20 T	2-20 T	2-20 T	4-20 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	2-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C

BEAM SCHEDULE FOR BLOCK-C

GRADE OF CONCRETE - M20

BEAM MKD	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
[illegible]	250	400	5-16 T	2-16 T	2-16 T	5-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	4-16 T	4-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
[illegible]	250	400	2-16 T	2-16 T	2-16 T	3-16 T	8 T @100C/C	8 T @200C/C
B4	250	400	4-16 T	2-16 T	2-16 T	3-16 T	8 T @100C/C	8 T @200C/C
B5	250	400	2-16 T	3-16 T	2-16 T	5-16 T	8 T @100C/C	8 T @200C/C
LB-1 (RAMP)	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C

SCHEDULE OF FLOOR AND ROOF SLAB(BL-A)

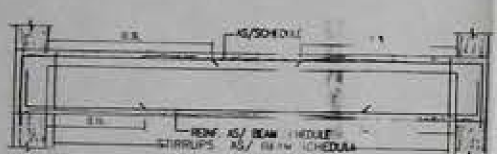
PANEL MKD	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(115 TK.)	8 TOR @100 C/C(Top) 8 TOR @125 C/C(Bott.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)
S2(115 TK.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)	8 TOR @175 C/C(Top) 8 TOR @200 C/C(Bott.)
S3(115 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)
S4(115 TK.)	8 TOR @200 C/C(Top) 8 TOR @100 C/C(Bott.)	8 TOR @200 C/C(Top) 8 TOR @200 C/C(Bott.)

SCHEDULE OF FLOOR AND ROOF SLAB(BL-B)

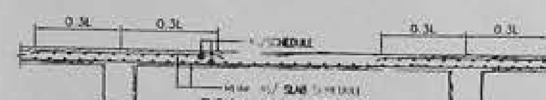
PANEL MKD	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(115 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)
S2(115 TK.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)	8 TOR @175 C/C(Top) 8 TOR @200 C/C(Bott.)
S3(125 TK.)	8 TOR @100 C/C(Top) 8 TOR @125 C/C(Bott.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)
S4(115 TK.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)

SCHEDULE OF FLOOR AND ROOF SLAB(BL-C)

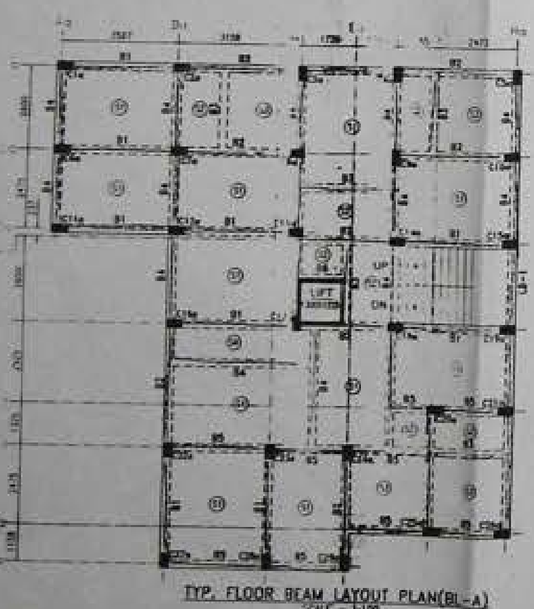
PANEL MKD	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(115 TK.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)	8 TOR @175 C/C(Top) 8 TOR @200 C/C(Bott.)
S2(115 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)
S3(125 TK.)	8 TOR @175 C/C(Top) 8 TOR @200 C/C(Bott.)	8 TOR @200 C/C(Top) 8 TOR @200 C/C(Bott.)
S4(115 TK.)	8 TOR @200 C/C(Top) 8 TOR @100 C/C(Bott.)	8 TOR @200 C/C(Top) 8 TOR @200 C/C(Bott.)



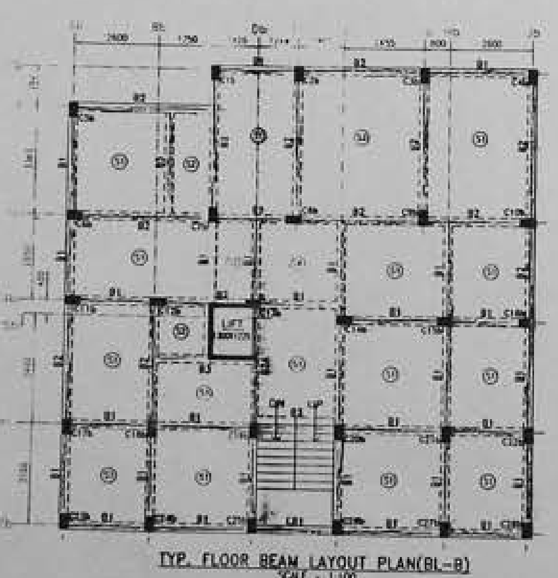
TYPICAL DETAIL OF BEAM
SCALE - 1:100



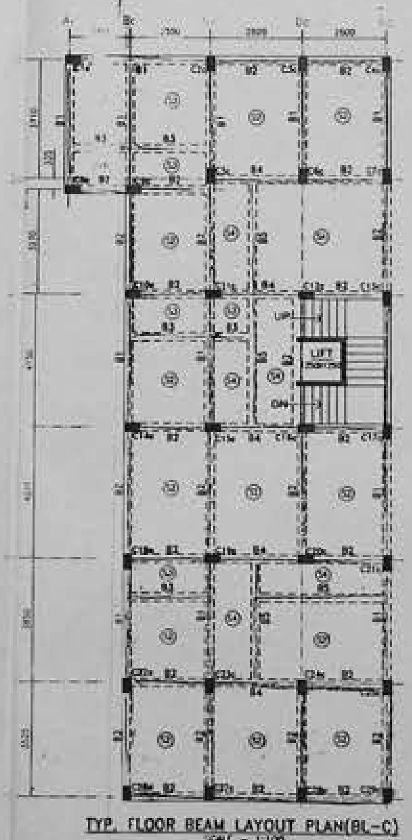
TYPICAL DETAIL OF SLAB
SCALE - 1:100



TYP. FLOOR BEAM LAYOUT PLAN(BL-A)
SCALE - 1:100



TYP. FLOOR BEAM LAYOUT PLAN(BL-B)
SCALE - 1:100



TYP. FLOOR BEAM LAYOUT PLAN(BL-C)
SCALE - 1:100

AREA STATEMENT

TOTAL AREA OF LAND(AS PER DEED)(14K.-07CH.-27SFT.) = 968.24 SQM
TOTAL AREA OF LAND(AS PER MEASURED) = 968.24 SQM
PERMISSIBLE COVERED AREA (50%) = 484.12 SQM
[BLOCK-A] COVERED AREA-GROUND FLOOR(GARAGE) = 184.54 SQM
1ST FLOOR = 184.54 SQM
2ND FLOOR = 184.54 SQM
3RD FLOOR = 184.54 SQM
[BLOCK-A] TOTAL COVERED AREA = 738.16 SQM
[BLOCK-B] COVERED AREA - GROUND FLOOR = 205.86 SQM
1ST FLOOR = 205.86 SQM
2ND FLOOR = 205.86 SQM
3RD FLOOR = 205.86 SQM
[BLOCK-B] TOTAL COVERED AREA - = 823.44 SQM
CAR PARKING AREA(50% OF GROUND FLOOR) = 117.09 SQM
FLAT AREA (50% OF GROUND FLOOR) = 88.77 SQM
[BLOCK-C] COVERED AREA - GROUND FLOOR = 198.52 SQM
1ST FLOOR = 198.52 SQM
2ND FLOOR = 198.52 SQM
3RD FLOOR = 198.52 SQM
CAR PARKING AREA(50% OF GROUND FLOOR) = 110.32 SQM
FLAT AREA (50% OF GROUND FLOOR) = 88.20 SQM
[BLOCK-C] TOTAL COVERED AREA - = 794.08 SQM
[BLOCK-A+B+C] TOTAL COVERED AREA - = 2355.68 SQM
LEFT OPEN AREA = 379.32 SQM
VOLUME OF TOTAL CONSTRUCTION = 7281.775 CUM

PROPOSED IV STORIED RESIDENTIAL BUILDING PLAN OF SMT. MANJULA BHATTACHARYYA & OTEHRS, IN RESPECT OF MUNICIPAL HOLDING NO.- 50, SARAT BOSE ROAD, WARD NO.- 06, MOUZA.- DIGLA, J.L. NO.- 18, R.S. NO.- 161, TOUZI NO.- 173, C.S. & R.S. KHATIAN NO.- 270,271,589,590, C.S. & R.S. DAG NO.- 569,570, P.S.- DUM DUM, DIST.- 24 PGS (N), UNDER SOUTH DUM DUM MUNICIPALITY.

NOTE:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWING SHOULD BE IMMIDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMENCING
3. SUPER STRUCTURE: SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M20 UNLESS OTHERWISE NOTED
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. FOR STEEL GRADE Fe 500 AS PER IS 1786-2008.
8. ALL DISTRIBUTION BARS ARE [illegible] @ 250 C/C AND TO BE PROVIDED
9. ALL CHAIRS ARE [illegible] AND TO BE PROVIDED WHEREVER REQUIRED
10. ALL SPACER BARS ARE 25 [illegible] C/C AND TO BE PROVIDED
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS DIA OF BAR.
12. FOUNDATION & PLINTH: BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF [illegible] CLASS BRICK IN [illegible] CEMENT MORTAR
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS

MEMBER	TOP	BOTTOM	SIDE
a. PILE	[illegible]	50	50
b. PILE CAP	75	75	75
c. COLUMN	40	40	40
d. FLOOR BEAM	30	30	30
e. TIE BEAM	[illegible]	30	30
f. FLOOR SLAB	[illegible]	20	20

14. SPECIFIC GRAVITY OF THE [illegible] SHALL BE MAINTAINED AT 1:1 TO 1:2 BEFORE CASTING.

CERTIFICATE OF OWNER.

CERTIFIED THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION & ALTERATION TO THIS PLAN SO AS TO CONVERT THE FLAT [illegible] USE OR ALLOW IT TO BE USED FOR SEPERATE FLATS PER FLOOR/STOREY.

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR THE SOUTH DUM DUM MUNICIPALITY IN VOGUE & ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING & AFTER CONSTRUCTION OF THE BUILDING.

CERTIFIED THAT I ALSO UNDERTAKE TO REPORT OF COMMENCEMENT BEFORE 7 DAYS & COMPLETION WOULD BE REPORTED WITHIN 10 DAYS.

I ALSO UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE OR ANY COMPLAIN FROM ANY CORNER IN RESPECT OF THE PROPERTY AS PER PLAN.

I HAVE NOT SOLD/TRANSFERED ANY PART OF MY PROPERTY/LAND TO ANYBODY UNTILL NOW.

IF ANY DISPUTE ARISES IN FUTURE "SOUTH DUM DUM MUNICIPALITY" WILL NOT BE LIABLE.

Suprita Das
Nandana Chatterjee
Debarupa Paul

SIG. OF THE OWNER

CERTIFICATE OF ENGINEER

CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE OF THE BUILDING HAVE BEEN SO DESIGN BY ME/US TO BE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL ETC. AS PER I.S.I. STANDARD & N.B. CODE.

CERTIFIED THAT THE PLAN HAS BEEN DESIGN & DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES FOR "SOUTH DUM DUM MUNICIPALITY".

I AS A STRUCTURAL DESIGNER HEREBY CERTIFY THAT I IDEMNIFY SOUTH DUM DUM MUNICIPALITY FOR ANY STRUCTURAL DEFECTS AND / OR FAILURE OF THE PROPOSED BUILDING AFTER OR DURING THE CONSTRUCTION.

HOWEVER STRUCTURAL DESIGN CALCULATION ARE SUBMITTED FOR REFERENCE OF

MITA SAHA
Licensed Building Surveyor
Class-I Lic No-SDDM/L.B.S/[illegible]

SIG. OF THE L.B.S

MS. MITA SAHA
M.E. (Struct), MIE, CE
ESE-24 (SDDM)
AO-88, Sec-11, Salt Lake
Mob: [illegible]

SIG. OF THE ENGINEER

STRUCTURAL CONSULTANT	DRAWN BY:- S. Adhikary	CHECKED BY:- MITA SAHA
MAK ENGINEERS. Salt-Lake City, BF-224, Sector-I, Kolkata-700 064 E-mail: [illegible] Mob. no.- [illegible]	SCALE - 1:100 DATE 06.09.2018 SHEET- 2 OF 2	