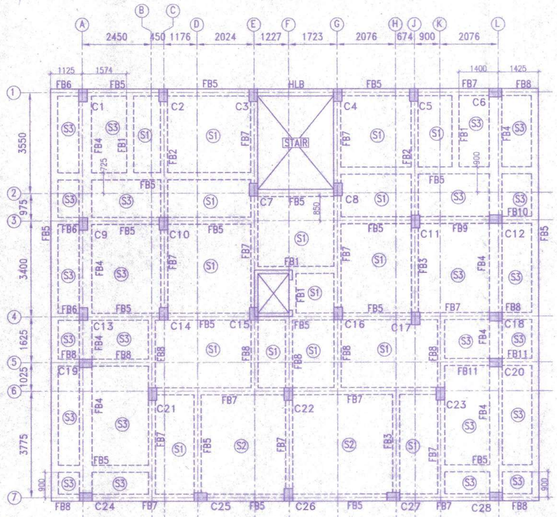
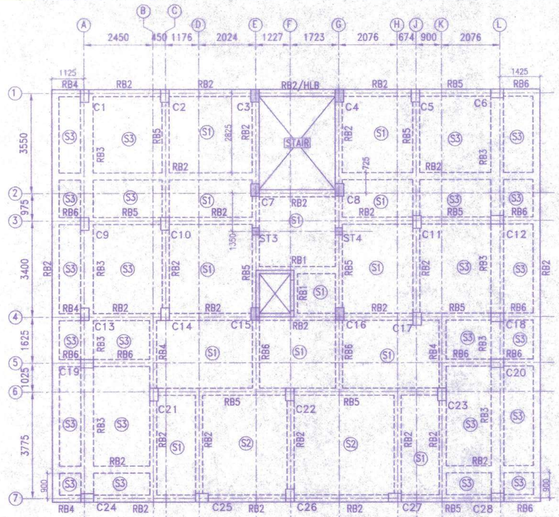
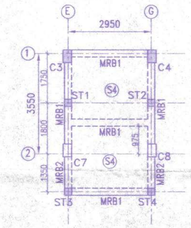


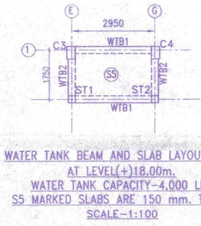
3RD & 4TH FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)8.7m.,(+)11.6m.
S1 MARKED SLABS ARE 115 mm. THICK.
S2 MARKED SLABS ARE 125 mm. THICK.
S3 MARKED SLABS ARE 150 mm. THICK.
SCALE-1:100



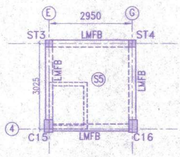
ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)14.5m.
S1 MARKED SLABS ARE 115 mm. THICK.
S2 MARKED SLABS ARE 125 mm. THICK.
S3 MARKED SLABS ARE 150 mm. THICK.
SCALE-1:100



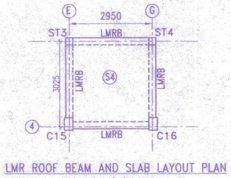
MUMTY ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)17.00m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE-1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)18.00m.
WATER TANK CAPACITY-4,000 LIT.
S5 MARKED SLABS ARE 150 mm. THICK.
SCALE-1:100



LMR FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)16.00m.
S5 MARKED SLABS ARE 150 mm. THICK.
SCALE-1:100



LMR ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL(+)18.50m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE-1:100

SCHEDULE OF S1,S2&S3 MARKED SLABS
(1ST FLOOR,TYPICAL FLOOR & ROOF SLABS
THICKNESS-115mm.,125mm. & 150mm.)

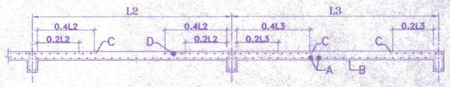
BAR MKD.	REINFORCEMENT	POSITION
A	8# @ 150 mm C/C (ALL THROUGH)	BOT.
B	8# @ 150 mm C/C (ALL THROUGH)	BOT.
X	8# @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# @ 150 mm C/C (ALL THROUGH)	BOT.
C	8# @ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# @ 200 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S5 MARKED SLABS
(LMR FLOOR & WATER TANK SLAB
THICKNESS-150mm.)

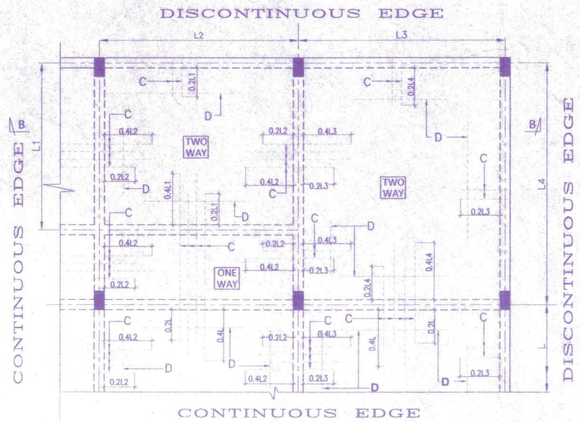
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF S4 MARKED SLABS
(MUMTY & LMR ROOF SLAB
THICKNESS-115mm.)

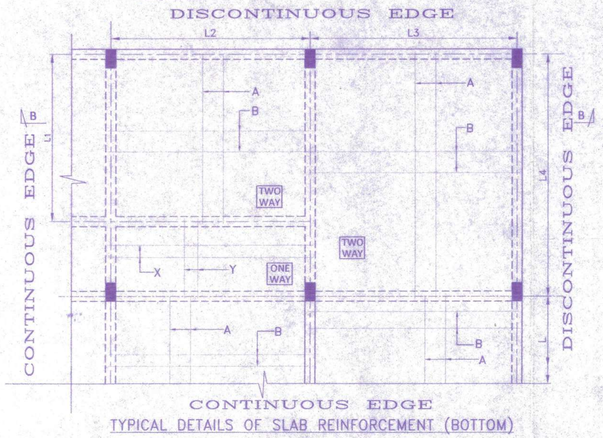
BAR MKD.	REINFORCEMENT	POSITION
E	8T @ 150 mm C/C (ALL THROUGH)	BOT.
F	8T @ 150 mm C/C (ALL THROUGH)	TOP



SECTION - B-B
SCALE-N.T.S.



CONTINUOUS EDGE
TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1,S2&S3)
(SCALE-N.T.S)



CONTINUOUS EDGE
TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1,S2&S3)
(SCALE - N.T.S.)

SCHEDULE OF 3RD & 4TH FLOOR BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
FB1	250	350	3-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@150 C/C
FB2	250	400	2-16Φ +1-12Φ	3-16Φ	2-16Φ +1-12Φ	2-12Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
FB3	250	400	2-16Φ +1-12Φ	3-12Φ	2-16Φ +1-12Φ	2-12Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
FB4	400	175	4-16Φ	-	4-16Φ	-	4L-8Φ@100 C/C	4L-8Φ@150 C/C
FB5	250	400	2-16Φ +1-12Φ	2-12Φ	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
FB6	250	400	LAYER1 2-16Φ +1-12Φ; LAYER2 2-16Φ +1-12Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
FB7	250	400	2-16Φ +1-12Φ	3-16Φ	2-16Φ +1-12Φ	3-12Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
FB8	250	400	LAYER1 2-16Φ +1-12Φ; LAYER2 3-16Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
FB9	250	400	3-16Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
FB10	250	400	3-16Φ +1-12Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
FB11	250	400	LAYER1 2-16Φ +1-12Φ; LAYER2 3-16Φ	-	LAYER1 2-16Φ +1-12Φ; LAYER2 2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
HLB	250	400	3-16Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C

SCHEDULE OF ROOF BEAMS

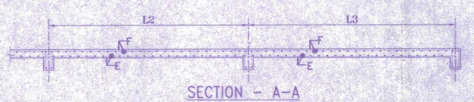
BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
RB1	250	350	3-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@150 C/C
RB2	250	400	2-16Φ +1-12Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
RB3	450	175	4-16Φ	-	4-16Φ	-	4L-8Φ@100 C/C	4L-8Φ@150 C/C
RB4	250	400	2-16Φ +1-12Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
RB5	250	400	2-16Φ +1-12Φ	2-16Φ	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
RB6	250	400	LAYER1 2-16Φ +1-12Φ; LAYER2 2-16Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
HLB	250	400	3-16Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C

SCHEDULE OF ABOVE ROOF BEAMS

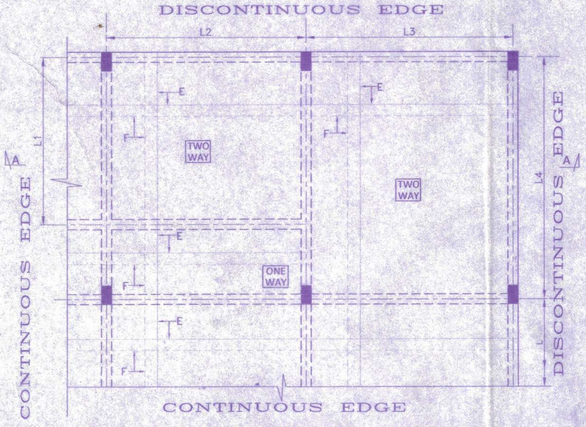
BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
WTB1	250	400	2-12Φ +1-16Φ	-	2-12Φ +1-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
WTB2	250	400	2-12Φ +1-16Φ	-	2-12Φ +1-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
LMFB	250	350	2-16Φ +1-12Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
MRB1	250	350	3-16Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
MRB2	250	350	3-16Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
LMRB	250	350	2-12Φ +1-16Φ	-	2-16Φ +1-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C

SPECIAL NOTE:-

THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEERR FOR STRICT SUPERVISION.



SECTION - A-A
SCALE-N.T.S.



CONTINUOUS EDGE
TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S4 & S5)
(SCALE-N.T.S.)

FOR GENERAL NOTES REFER SHEET 2 OF 3

TITLE

STRUCTURAL DRAWING OF PROPOSED G+IV STORIED RESIDENTIAL BUILDING AT MOUZA- UDAYRAMPUR,J.L NO-74,R.S & L.R DAG NO-942/1356(P),L.R KH. NO-3283, UNDER CHAK ENAYET NAGAR GRAM PANCHAYET,P.S- BISHNUPUR, DIST -24 PGS (S), WEST BENGAL.

DECLARATION OF OWNER

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT, I SHALL ENGAGE L.B.S & ESE DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE. IF ANY SUBMITTED DOCUMENT ARE FAKE , THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF S.U.G.W.R TAKEN UNDER THE GUIDANCE OF L.B.S. / ESE BEFORE STARTING OF BUILDING FOUNDATION.

MANAFULI INFRASTRUCTURES LLP
Designated Partner

MANAFULI INFRASTRUCTURES LLP
Designated Partner

MANAFULI INFRASTRUCTURES LLP
Designated Partner

SIGNATURE OF OWNER

DECLARATION OF L.B.S./ ARCHITECT

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF KMC BUILDING RULES 2009 AS AMMENDED FROM TIME TO TIME & THAT THE SITE CONDITION INCLUDING THE ABUTTING K.M.C. MAINTAINED ROAD CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE & NOT A TANK OR FILLED UP TANK. THE LAND IS DEMARCATED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING.

Ashish Kr. Chakraborty
Ashish Kr. Chakraborty
Licensed Building Surveyor
Chairman's Cell No. 1 & 2
Kolkata Municipal Corporation

SIGNATURE OF L.B.S./ ARCHITECT

SIGNATURE OF GEO-TECHNICAL ENGINEER

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

DR. SUJIT KUMAR BOSE
PhD, M.C.E(Soil), B.C.E(Hons.)
MIGS, MIRC
Empanneled Geotechnical
Engineer Under KMC
License No:-G.T./1/12

SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPERSTUCTURE OF THE BUILDING HAS BEEN PREPARED BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & THE FOUNDATION IS CAPABLE OF TAKING THE LOAD. CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS. STRUCTURE DESIGN CALCULATION HAS BEEN CONSIDERING SOIL REPORT AND ARCHITECTURAL DRAWING AS INPUT.

3/8/23

SUSMITA CHOUDHURY
B.TECH (CIVIL)- WBUT
ME (CONSTRUCTION) - JU
FIE-1/RJ/ESON/130
FSE-II/KM/C/664
WBA/PRDA/21/00010
CVEK/NKDA/10/00175
(M)- 8697517321/7003201735

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF VETTING AUTHORITY

CHECKED & VETTED 1/8/23
DR. DIPANKAR CHAKRAVORTY
STRUCTURAL ENGINEERING DIVISION
PROFESSOR & FORMER HEAD
CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
B.E. (Civil) Gold Medalist of Jadavpur Univ., M.Tech. and Ph.D (IIT, Kgp)
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DRAWING TITLE

3RD & 4TH FLOOR, ROOF AND ABOVE ROOF BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS AND DETAILS OF SLAB

SCALE.-1:100 OR AS SHOWN
DATE.-03.08.2023
SHEET NO. - 3 OF 3 | SHEET SIZE - A1