UM/BLDG/PLAN NO. SWS-OBPAS/1501/2024/0037 DATE 07.03.24

APPARTMENT BUILDING

REVISED ON Date...12.03.24.. Valid Up to..11.03.27
Sub-Assistant Engineer Uluberia Municipality

REVISED ON Date...12.03.24 Valid Up to..11.03.27
Assistant Engineer ULUBERIA MUNICIPALITY

REVISED ON Date...12.03.24 Valid Up to..11.03.27
Chairman Uluberia Municipality

SCHEDULE OF COLUMN

COLN. MKD	FOUNDATION TO 2ND FL. SIZE	FOUNDATION TO 2ND FL. REINF.	2ND FL. TO 4TH FL. SIZE	2ND FL. TO 4TH FL. REINF.	4TH FL. TO ROOF LEV./ STAIR ROOF LEV. SIZE	4TH FL. TO ROOF LEV./ STAIR ROOF LEV. REINF.
C43,C47,C48,C49	300 X 700	8-20 ϕ	300 X 700	4-20 ϕ + 4-16 ϕ	300 X 700	8-16 ϕ
C35,C36,C38,C39,C40 C42,C44,C46,C50,C51, C52,C53,C54,C55,C58 C60,C4,C5,C6,C9,C12 C15,C18,C22,C25	300 X 700	8-20 ϕ + 2-12 ϕ	300 X 700	4-20 ϕ + 4-16 ϕ	300 X 700	8-16 ϕ
C34,C37,C45,C56,C57, C59,C2,C7,C11,C13,C14 C19,C20,C8,C21,C24 C26,C29,C30,C32	300 X 500	8-20 ϕ + 4-16 ϕ	300 X 500	12-16 ϕ	300 X 500	8-16 ϕ
C1,C3,C10,C16,C17,C23 C28,C31,C33,C27,C41	300 X 500	4-20 ϕ + 4-16 ϕ	300 X 500	8-16 ϕ	300 X 500	8-16 ϕ

2L - 8 @ 190 c/c ϕ

SCHEDULE OF FLOOR BEAM

BEAM MKD	BEAM SIZE	REINFORCEMENTS AT SUPPORT TOP	AT SUPPORT BOTT.	AT SUPPORT STIRRUP	AT MID SPAN TOP	AT MID SPAN BOTT.	AT MID SPAN STIRRUP
B1	250X500	7-20 ϕ	3-20 ϕ	2L-8 ϕ @ 100 MM. C/C	3-20 ϕ	4-20 ϕ	2L-8 ϕ @ 200 MM. C/C
B2	250X500	5-20 ϕ	2-16 ϕ	2L-8 ϕ @ 100 MM. C/C	2-20 ϕ	4-16 ϕ	2L-8 ϕ @ 200 MM. C/C
B3	250X500	6-16 ϕ	2-16 ϕ	2L-8 ϕ @ 100 MM. C/C	2-16 ϕ	3-16 ϕ	2L-8 ϕ @ 200 MM. C/C
SB1	250X300	4-12 ϕ	4-12 ϕ	2L-8 ϕ @ 200 MM. C/C	4-12 ϕ	4-12 ϕ	2L-8 ϕ @ 200 MM. C/C

SCHEDULE OF FOUNDATION BEAM

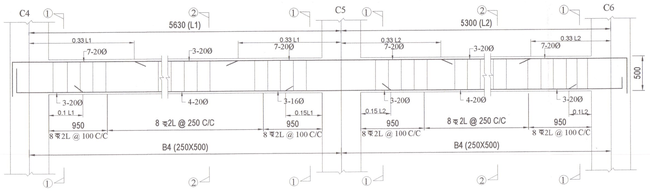
BEAM MKD	BEAM SIZE	REINFORCEMENTS AT SUPPORT TOP	AT SUPPORT BOTT.	AT SPAN TOP	AT SPAN BOTT.	4L-10ϕ STIRRUP @ AT SUPPORT	4L-10ϕ STIRRUP @ AT SPAN
FB1	650X750	4-20 ϕ	11-20 ϕ	11-20 ϕ	4-20 ϕ	150 MM. C/C	200 MM. C/C
FB2	650X750	4-20 ϕ	8-20 ϕ	8-20 ϕ	4-20 ϕ	170 MM. C/C	200 MM. C/C
FB3	650X750	3-20 ϕ	5-20 ϕ	5-20 ϕ	3-20 ϕ	200 MM. C/C	200 MM. C/C

SCHEDULE OF RCC SLAB

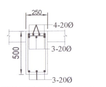
PANEL MARKED	SLAB THICKNESS (mm)	SHORTER DIRECTIONS SUPPORT TOP	SHORTER DIRECTIONS SPAN BOTT.	LONGER DIRECTIONS SUPPORT TOP	LONGER DIRECTIONS SPAN BOTT.
P1	130 MM	200 mm c/c	200 mm c/c	200 mm c/c	200 mm c/c
OTHERS PANEL	120 MM	200 mm c/c	200 mm c/c	200 mm c/c	200 mm c/c
CANTILEVER	150 MM	100 mm c/c	200 mm c/c	200 mm c/c	200 mm c/c

STAIR WAIST RCC SLAB

D	MAIN STEEL BAR	DISTRIBUTOR STEEL BAR
150 MM.	10 mm ϕ @ 130 mm C/C.	8 mm ϕ @ 200 mm C/C.

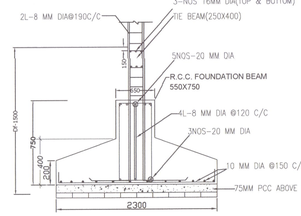


DETAILS OF R.C.C. ROOF BEAM ALONG COLUMN C4, C5 & C6

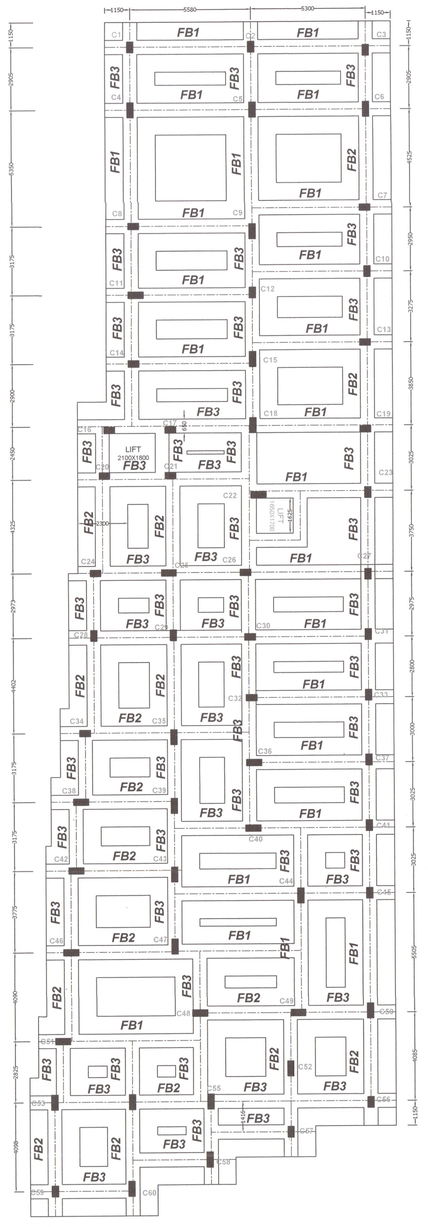


SECTION AT 1-1

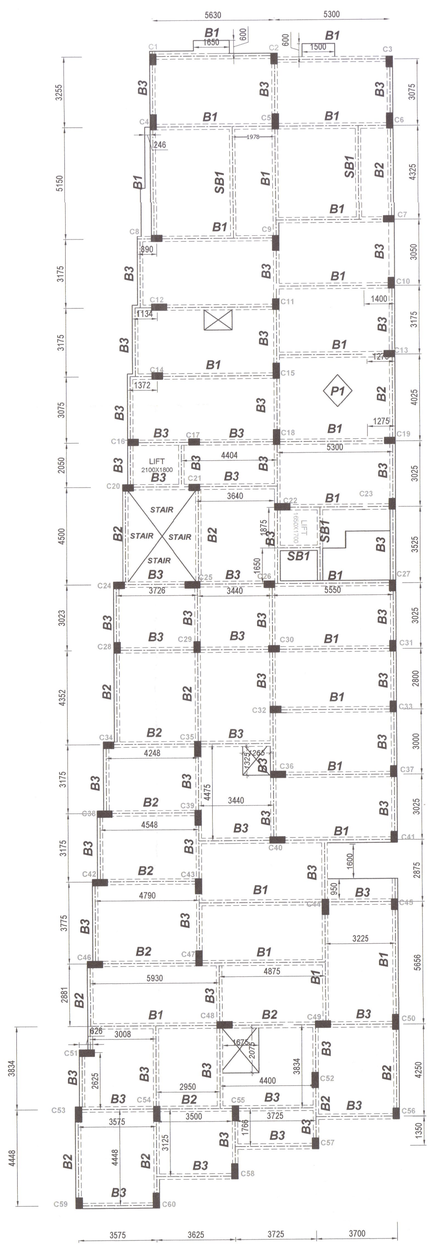
SECTION AT 2-2



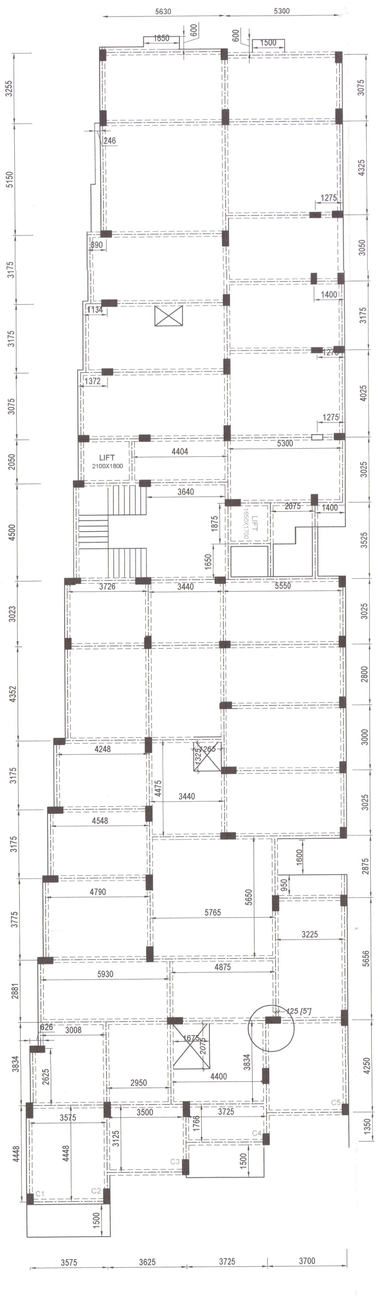
DETAIL OF FOUNDATION
FB3 (MID SPAN)



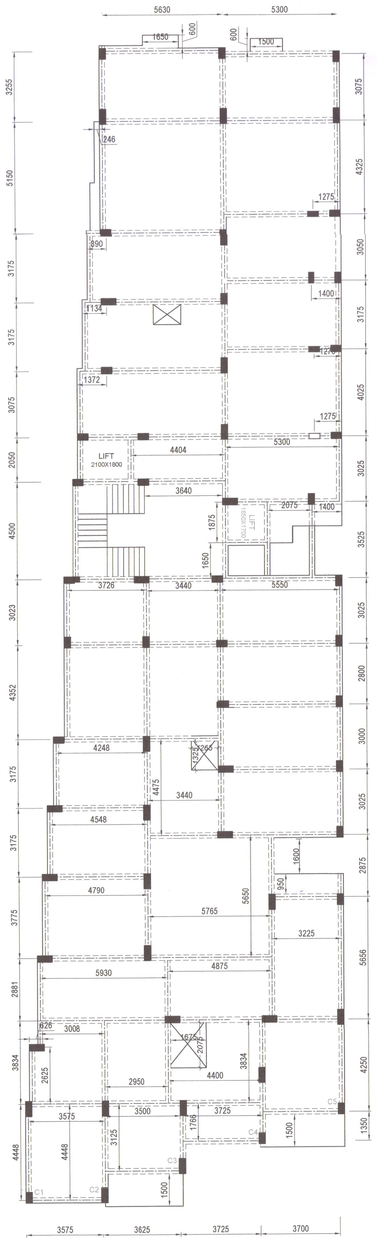
FOUNDATION BEAM LAYOUT PLAN
SCALE - 1:100



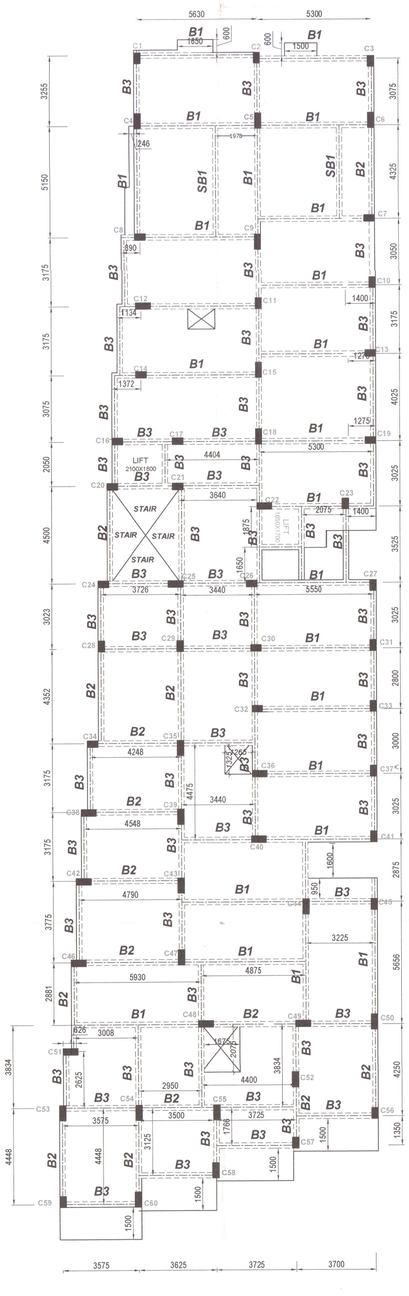
PROPOSERD GROUND FLOOR PLAN
SCALE - 1:100



PROPOSERD FIRST & 5TH FLOOR PLAN
SCALE - 1:100



PROPOSERD 2ND & 4TH FLOOR PLAN
SCALE - 1:100



PROPOSERD 3RD FLOOR PLAN
SCALE - 1:100

NOTES:-

a. GRADE OF CONC. M20 & GRADE OF STEEL : Fe 415 CONFORMING TO IS: 1786-1978
b. CLEARCOVER FOR SLAB 20mm., BEAM 25mm, COLUMN 40mm, FOUNDATION 60mm.
c. LAPING 50 D. (DIA OF BAR) ACCORDANCE WITH IS 456-2000
d. THK. OF EXTERNAL WALL 250 mm & INTERNAL WALL 125mm THK.
e. THK. OF LIFT SHAFT MADE OF RC 200mm
f. CORNER REINFORCEMENTS ARE TO BE PROVIDED IN THE SLAB PANELS AS PER IS :456-2000
g. FOUNDATION HAS BEEN DESIGNED BASED ON THE INFORMATION AVAILABLE IN SOIL REPORT PREPARED BY SOILEX, 48J.B.T. ROAD KOL-700050.
h. TO ENSURE STRUCTURAL SAFETY OF THE BUILDING, THE THICKNESS OF WALLS, SLABS, DIMENSIONS OF BEAMS,COLUMNS,FOUNDATIONS,& OTHER REINFORCEMENT DETAILS MUST BE INDENTICAL WITH THE SAME AS GIVEN IN THIS STRUCTURAL DWG.

P R O J E C T

PROPOSED STRUCTURAL DRAWING FOR (G + V) STORIED RESIDENTIAL BUILDING OF SARMITA DEVELOPERS LLP REPRESENTED BY ITS DESIGNATED PARTNERS 1. SUMANTA CHANDRA S/O LATE RABINDRA NATH CHANDRA 2. MADHUMITA GHOSH NEE CHANDRA SITUATED AT R.S. DAG NO - 1032 & 1036, L.R. DAG NO -1110 & 1114, R.S.KH NO-340 & 121, L.R. KHATIAN NO - 3372, J.L. NO -86, MOUZA-LATIBPUR, HOLDING NO-186/308ZR/278/ZR, WARD NO-28, UNDER ULUBERIA MUNICIPALITY , P.S. - ULUBERIA DISTRICT - HOWRAH , PIN-711316

Certificate of Structural Engineer :-

Certify that the structural drawing and design of both the foundation and superstructure of the building / buildings has been made considering the soil test report (as per this rule and regulations made under the Act) and also considering all possible loads, seismic load and the moments generated by the proposed structure as per current Codes,the Bureau of Indian Standard and National Building Code of India and certify that it is safe and stable in all respect up to v story/stories and these provisions shall be adhered to during the construction.

K. Sarkar
KUNAL KANTI SARKAR
B.E. (Civil), M.E. (Cal)
Consulting Engineer (Structural)
E.&.E. / 7914 of
Calcutta Municipal Corporation

K. Sarkar
KUNAL KANTI SARKAR
B.E. (Civil) M.E. (Cal)
Consulting Engineer (Structural)
C.M.C. 9/24.3

SIGNATURE OF STRUCTURAL ENGINEER

MOTIAR RAHAMAN MOLLAH
B. Tech. (Civil)
L.B.S., Uluberia Municipality
Licence No- 05
Mob.- 9830654725

SIGN . OF L.B.S.

SARMITA DEVELOPERS LLP
Partner

SARMITA DEVELOPERS LLP
Madhumita Ghosh Chandra
Partner

SIGN. OF OWNER'S/ DEVELOPER

SHEET NO.	DATE-01.06.21	SCALE
2/2	ALL DIMENTION	1:25,50,100.