

SCHEDULE OF FOOTINGS :-

FOUNDAT-ION MKD.	TYPE OF FOUNDATION	UNDER COLUMN	LENGTH (M)	WIDTH (M)	THICKNESS (M.)		REINFORCEMENT IN SLAB ALONG		PEDESTAL
					D1	D2	SHORTER	LONGER	
					REINFORC.				
F1	ISOLATED FOOTING	C14 + LIFT WALL	3.100	2.850	0.450		12 Ø TOR @ 170 MM. C / C	12 Ø TOR @ 170 MM. C / C	12 Ø TOR 2L @ 150 MM. C / C
F2	'DO'	C1, C6, C7, C12, C43, C44	1.850	1.850	0.200	0.200	10 Ø TOR @ 150 MM. C / C	10 Ø TOR @ 150 MM. C / C	12 Ø TOR 2L @ 150 MM. C / C
F3	'DO'	C2, C5, C13, C16, C35, C36, C39, C40	2.450	2.450	0.250	0.300	12 Ø TOR @ 150 MM. C / C	12 Ø TOR @ 150 MM. C / C	12 Ø TOR 2L @ 150 MM. C / C
F4	'DO'	C17, C23, C24, C28, C29, C34, C37, C38, C41, C42, C48, C46	2.250	2.250	0.200	0.200	12 Ø TOR @ 150 MM. C / C	12 Ø TOR @ 150 MM. C / C	12 Ø TOR 2L @ 150 MM. C / C

SCHEDULE OF COMBINED FOOTINGS :-

FOUNDATION MKD.	UNDER COLUMN	LENGTH (mm.)	WIDTH (mm.)	b (mm.)	THICKNESS (mm.)			X (mm.)	Y (mm.)	LONG REINFORCEMENT		STIRRUPS (AST 3)	REINFORCEMENT IN SLAB ALONG	
					D1	D2	D3			TOP (AST 1)	BOTTOM (AST 2)		SHORTER (AST 4)	LONGER (AST 5)
					REINFORC.									
F5	C3 - C5, C8 - C13, C11 - C16	5400	2500	500	200	150	300	1525		5 - 12 Ø TOR	5 - 16 Ø TOR	8 Ø TOR 4L @ 150 C/C	12 Ø TOR @ 170 MM. C/C	10 Ø TOR @ 170 MM. C/C
F6	C4 - C10 - C15	8450	2600	500	200	150	300	1150		6 - 16 Ø TOR	6 - 16 Ø TOR	8 Ø TOR 4L @ 150 C/C	12 Ø TOR @ 170 MM. C/C	10 Ø TOR @ 170 MM. C/C
F7	C18 - C19 - C20 - C21, C24 - C25 - C26 - C27, C30 - C31 - C32 - C33	9850	2400	500	200	150	300	1150		4 - 16 Ø TOR	4 - 16 Ø TOR	8 Ø TOR 4L @ 150 C/C	12 Ø TOR @ 170 MM. C/C	10 Ø TOR @ 170 MM. C/C

SCHEDULE OF R. C. C. TIE BEAM :-

BEAM MKD.	SIZE (mm X mm)	LONG REINFORCEMENT AT SUPPORT		STIRRUPS AT SUPPORT	LONG REINFORCEMENT AT SPAN		STIRRUPS AT SPAN
		TOP	BOT.		TOP	BOT.	
TB1	0.250 X 0.350	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C
TB2	0.250 X 0.350	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C

SCHEDULE OF R. C. C. SLAB :-

PANEL MKD.	THICK. (M)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		TOP	BOT.	TOP	BOT.
S1	0.100	8 Ø TOR @ 0.150 M. C / C (TOP & BOTTOM)		8 Ø TOR @ 0.150 M. C / C (TOP & BOTTOM)	
STAIR SLAB	0.150	10 Ø TOR @ 0.75 M. C / C (TOP & BOTTOM)		12 Ø TOR @ 0.150 M. C / C (TOP & BOTTOM)	

SCHEDULE OF R. C. C. BEAM :-

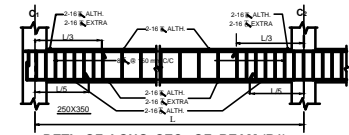
BEAM MKD.	SIZE (M X M)	LONG REINFORCEMENT AT SUPPORT		STIRRUPS AT SUPPORT	LONG REINFORCEMENT AT SPAN		STIRRUPS AT SPAN
		TOP	BOT.		TOP	BOT.	
B1	0.250 X 0.350	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C
B2	0.250 X 0.350	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 125 MM C/C	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 170 MM C/C
B3	0.250 X 0.350	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 125 MM C/C	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 170 MM C/C
B4	0.250 X 0.350	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	3 - 16 Ø TOR	3 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C
B5	0.250 X 0.350	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C
B5a	0.250 X 0.350	4 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C	2 - 16 Ø TOR	2 - 16 Ø TOR	8 Ø TOR 2L @ 150 MM C/C

SCHEDULE

COLUMN MKD.	SECTION (M)
C14, C15	0.250 X 0.4
C3, C4, C8, C11, C30, C33, C36, C39	0.250 X 0.4
C2, C5, C9, C10, C13, C16, C23, C24, C27, C28, C35, C40, C41, C46	0.250 X 0.5
C1, C6, C7, C12, C17, C21, C19, C20, C25, C26, C29, C30, C31, C32, C34, C37, C38, C42, C45	0.250 X 0.3
LIFT WALL	125 MM THK



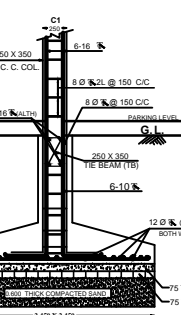
DETAILS OF R. C. C. BEAM TYPE (B1)



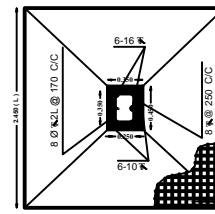
DETL. OF LONG SEC. OF BEAM (B1)

DETL. OF R. C. C. LINTEL & CHAJJA

SCALE: 1:20



SECTION = D - D

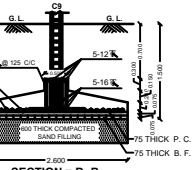
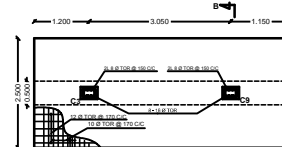


DETL. OF R. C. C. COLUMN ISOLATED FOOTING (F4)

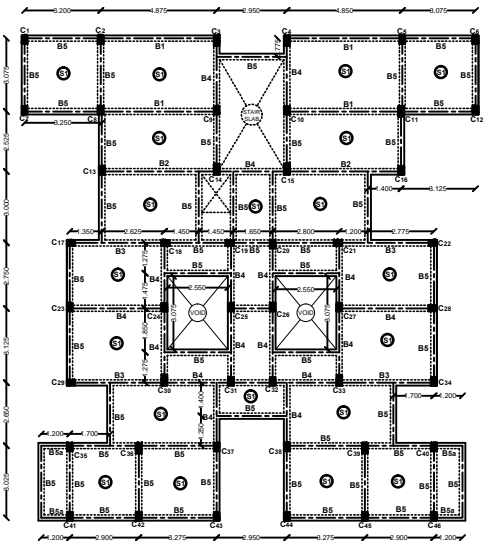
SCALE: 1:20

DETL. OF R. C. C. COMBINED COLUMN FOUNDATION (F5)

SCALE: 1:50

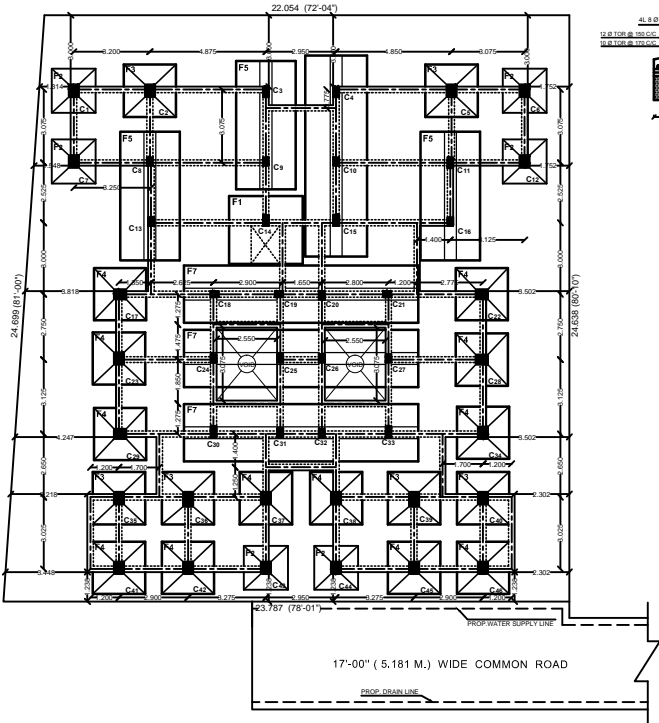


SECTION = B - B



BEAM LAYOUT PLAN

SCALE: 1:100



FOUNDATION LAYOUT PLAN

SCALE: 1:100

STRUCTURAL PLAN FOR G+111 STORED (HEIGHT - 12.35 M.) RESIDENTIAL BUILDING PLAN OF 1) ASHIM BISWAS S/O. ASOKE KUMAR BISWAS, 2) BANDANA MONDAL W/O. SUKHAMAY MONDAL, 3) DOLLY MALI W/O. PRADIP MALI AT MOUZA - SANPAMIRZANAGAR, J. L. NO - 11, L.R. DAG NO - 406, L.R. KHATIAN NO - 7119, 1085, 7307, WARD NO. - 11, P. S. - MAHESHITALA UNDER MAHESHITALA MUNICIPALITY, DIST. SOUTH 24 - PARGANAS.

HOLDING NO. - C2 - 54 / NEW, G. L. ROY ROAD

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

BHASKAR ROY
NAME OF STRUCTURAL ENGINEER

THIS IS TO CERTIFY THAT THIS BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF MUNICIPAL BUILDING RULES 1995 AS AMENDED FROM TIME TO TIME AND THE CONDITION INCLUDING THE WIDTH OF THE ADJUTING ROAD COMMON PASSAGE CONFORM WITH THE PLAN AND THE SITE IS A BOUNDABLE SITE AND NOT A TANK OR FILLED UP TANK.

SWARAJIT ROY
NAME OF ARCHITECT

OWNER'S NAME : 1) ASHIM BISWAS
2) BANDANA MONDAL
3) DOLLY MALI

SCALE : 1:100, 1:50, 1:25, 1:20



DRAWN BY SUVANKAR MONDAL

PREPARED BY:-

MODULUX
CONSTRUCTION & CONSULTANCY

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