

SCHEDULE OF BEAM :-						
BEAM MKD.	SIZE OF BEAM WIDTH(mm) x DEPTH(mm)	AT SUPPORT		AT SPAN		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
		B1	250X400	2-16 @ 2-16 @	2-16 @ 2-16 @	
B2	250X400	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	8 @ 2L @ 150mm C/C
B3	250X400	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	8 @ 2L @ 150mm C/C
B4	250X400	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	8 @ 2L @ 150mm C/C
B5	250X550	3-16 @ 3-20 @	3-16 @ 3-20 @	3-16 @ 3-20 @	3-16 @ 3-20 @	8 @ 2L @ 150mm C/C
B6	250X550	3-16 @ 3-20 @	3-16 @ 3-20 @	3-16 @ 3-20 @	3-16 @ 3-20 @	8 @ 2L @ 150mm C/C
B7	250X550	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	8 @ 2L @ 150mm C/C
B8	250X550	2-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	2-16 @ 1-16 @	8 @ 2L @ 150mm C/C
B9	250X550	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	3-16 @ 2-16 @	8 @ 2L @ 150mm C/C
B10	250X250	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	8 @ 2L @ 150mm C/C
TIE BEAM:-						
TB1	250X400	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	2-16 @ 2-16 @	8 @ 2L @ 150mm C/C
TB2	250X400	3-16 @ 3-16 @	3-16 @ 3-16 @	3-16 @ 3-16 @	3-16 @ 3-16 @	8 @ 2L @ 150mm C/C

SCHEDULE OF FOUNDATION :-							
FND. MKD.	FND. TYP.	UNDER COLUMN	LENGTH (mm)	WIDTH (mm)	THICKNESS OF SLAB(mm)	REINFORCEMENT IN SLAB	
						ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION
F1	ISOLATED FOOTING	C19	3100	2650	550 TO 250	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F2	ISOLATED FOOTING	C14 + LIFT WALL	3600	3000	550	12 @ @ 150mm C/C TOP & BOTTOM	12 @ @ 150mm C/C TOP & BOTTOM
F3	ISOLATED FOOTING	C8-C5	7300	2950	450 TO 200	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F4	ISOLATED FOOTING	C9-C6	6150	2750	350 TO 200	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F5	ISOLATED FOOTING	C20-C21	5200	2800	400 TO 200	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F6	ISOLATED FOOTING	C3-C4	5400	3500	450 TO 250	12 @ @ 125mm C/C	10 @ @ 150mm C/C
F7	ISOLATED FOOTING	C16-C17-C18	7700	2900	400 TO 200	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F8	ISOLATED FOOTING	C11-C12-C13	9450	3000	400 TO 200	12 @ @ 125mm C/C	10 @ @ 150mm C/C
F9	ISOLATED FOOTING	C15-C18-C7	10050	3000	400 TO 200	12 @ @ 125mm C/C	10 @ @ 150mm C/C
F10	ISOLATED FOOTING	C22-C23-C24	7400	2400	350 TO 150	12 @ @ 150mm C/C	10 @ @ 150mm C/C
F11	ISOLATED FOOTING	C1-C2	5200	2800	200 TO 200	12 @ @ 150mm C/C	10 @ @ 150mm C/C

DEPTH OF FOUNDATION = 1.55 m BELOW EGL.

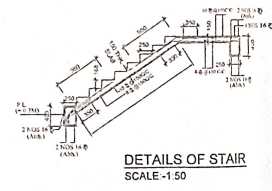
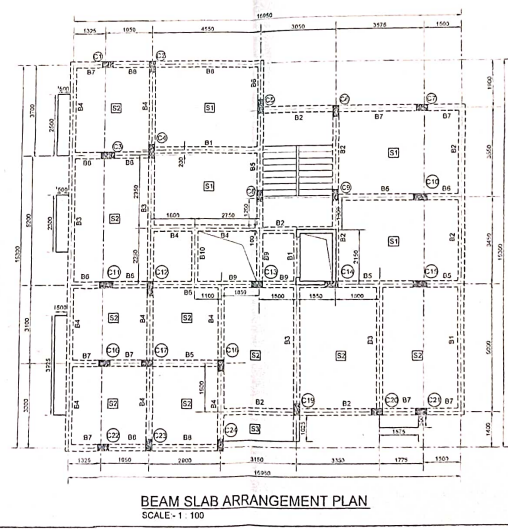
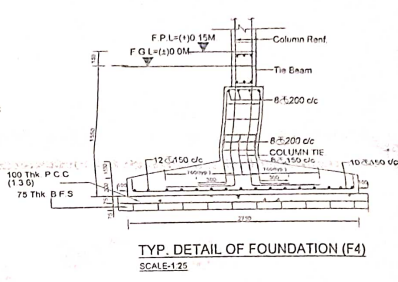
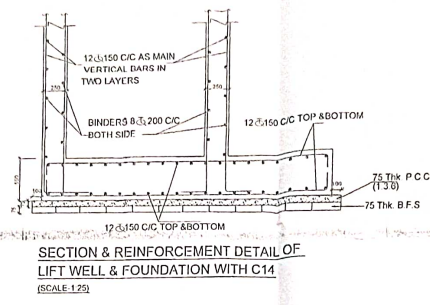
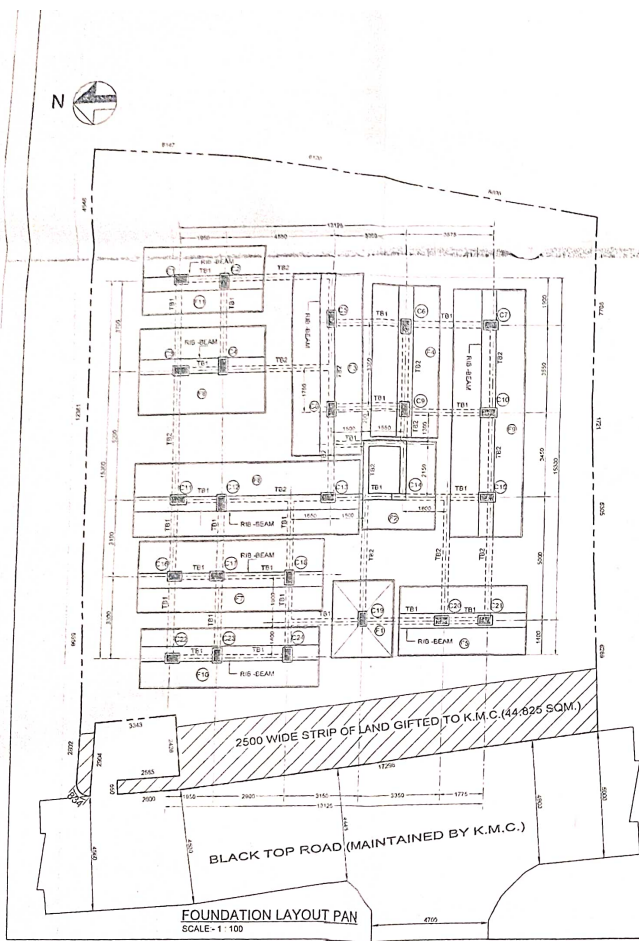
SCHEDULE OF RIB-BEAM :-						
RIB BEAM UNDER FOUNDATION MARKED	SIZE OF RIB-BEAM WIDTH(mm) x DEPTH(mm)	SUPPORT LONG REINFORCEMENT		SPAN LONG REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
F3,F4	400 x 300	6-16 @	6-16 @	10 @ (H) @ 150mm C/C	10 @ (H) @ 150mm C/C	8 @ 150mm
F4,F5,F7,F11	400 x 300	5-16 T	5-16 @	10 @ (H) @ 150mm C/C	10 @ (H) @ 150mm C/C	8 @ 150mm
F6	400 x 300	4-16 @	4-16 @	10 @ (H) @ 150mm C/C	10 @ (H) @ 150mm C/C	8 @ 150mm
F9	400 x 300	3-16 @	3-16 @	10 @ (H) @ 150mm C/C	10 @ (H) @ 150mm C/C	8 @ 150mm
F10	400 x 300	4-16 @	4-16 @	10 @ (H) @ 150mm C/C	10 @ (H) @ 150mm C/C	8 @ 150mm

SCHEDULE OF SLAB :-			
PANEL TYPE	OVERALL THICKNESS	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1	125mm	8 @ @ 150mm C/C TOP & BOTTOM	8 @ @ 150mm C/C TOP & BOTTOM
S2	110mm	8 @ @ 150mm C/C TOP & BOTTOM	8 @ @ 150mm C/C TOP & BOTTOM
S3 (CAMT SLAB)	125mm TO 110mm	10 @ @ 150mm C/C TOP & BOTTOM	8 @ @ 150mm C/C TOP & BOTTOM
STAIR	150mm	8 @ @ 150mm C/C TOP & BOTTOM	10 @ @ 125mm C/C TOP & BOTTOM MAIN BARS

SCHEDULE OF COLUMN :-			
COL. MKD.	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL	COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR TO 3RD FLOOR LEVEL	COLUMN SIZE & REINFORCEMENT FROM 3RD FLOOR TO 4TH FLOOR LEVEL
C5,C15	250X550 6-16 @ + 6-20 @	250X550 12-16 @	250X550 12-16 @
C1,C7,C10,C11,C12,C14	250X550 12-16 @	250X550 12-16 @	250X550 12-16 @
C6,C7,C8,C9,C13,C16,C17,C19,C21	250X450 12-16 @	250X450 12-16 @	250X450 12-16 @
C1,C2,C18,C20,C22	250X450 10-16 @	250X450 10-16 @	250X450 10-16 @
C23,C24	250X450 8-16 @	250X450 8-16 @	250X450 8-16 @

USE: 8 @ STIRRUPS @ 150mm

2) SCALE 1:100. OTHERWISE MENTIONED
3) P.C.C. 75 MM THICK (1:4:8)
4) GRADE OF CONCRETE M-20 (1:1.5:3)
5) GRADE OF STEEL Fe 500
6) CLEAR COVER TO REINFORCEMENT
a) FOUNDATION SLAB & BEAM - 50 MM
b) FLOOR SLAB - 15 MM
c) FLOOR BEAM - 25 MM
d) TIE BEAM - 25 MM
e) COLUMN - 40 MM



PROJECT:

STRUCTURAL PLAN OF A PROPOSED G+FOUR (G+IV) STORIED RESIDENTIAL BUILDING AT PREMISES NO.- 62, MAJLISH ARA ROAD, WARD NO.- 121, BOROUGH NO.- XIV, UNDER K.M.C. (S.S.U), U/S 393A, OF K.M.C ACT-1980 COMPLYING BUILDING RULE- 2009.

OWNER / APPLICANT:- POTENCY COMMERCIAL LLP.
REPRESENTED BY ITS PARTNER MR. PRANAY DHELIA.

TITLE:- FOUNDATION LAYOUT PLAN, BEAM SLAB ARRANGEMENT PLAN, SCHEDULE & SECTIONS.

SPECIFICATIONS & NOTES:-

GRADE OF CONCRETE-M 20 & STEEL Fe 500
PROPORTION OF MORTAR FOR 200 OR 250 TH. B/W=1:6
PROPORTION OF MORTAR FOR 125 & 75 TH. B/W=1:4
MIX. PROPORTION OF MORTAR D.P.C.=1:2:4
MIX. PROPORTION OF MORTAR FOR L.T=2:2:7
ALL DIMENTIONS ARE IN M.M
SCALE-1:100, OTHERWISE MENTIONED
ALL 125 THk CUP BOARD WALL IS R.C.C. WALL.

OWNERS DECLARATION

I/WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I / WE SHALL ENGAGE L.B.S & E.S.E DURING CONSTRUCTION I / WE SHALL FOLLOW THE INSTRUCTIONS OF L.B.S & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER B.S.PLAN). KMC AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURES. IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE, THE KMC AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK WILL BE UNDERTAKEN UNDER THE GUIDANCE OF E.S.E / L.B.S. BEFORE STARTING OF BUILDING FOUNDATION WORK.

POTENCY COMMERCIAL LLP.
REPRESENTED BY ITS PARTNER MR. PRANAY DHELIA.

NAME OF THE APPLICANT / OWNER

L.B.S. DECLARATION

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

MONOJ KUMAR BHATTACHARJEE
(L.B.S NO.- 1267 CLASS- I)

NAME OF L.B.S.

NAME OF THE APPLICANT / OWNER

L.B.S. DECLARATION

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

MONOJ KUMAR BHATTACHARJEE
(L.B.S NO. - 1267 CLASS- I)

NAME OF L.B.S.

E.S.E DECLARATION

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE SOIL TEST REPORT DONE BY BHASKAR ROY (G.T.E. 2/II). THE RECOMMENDATIONS OF SOIL REPORT CONSIDERING DURING STRUCTURAL CALCULATION.

BHASKAR ROY
(E.S.E. NO. - 143 CLASS- I)

NAME OF E.S.E

GEO - TECHNIC DECLARATION

UNDER SIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW

BHASKAR ROY
(G.T.NO. - 2 CLASS- II)

NAME OF THE GEO TECHNICAL ENGR.

CONSULTANT:



CONSOL

CONSTRUCTIONAL SOLUTION PROVIDER

12, ROY BAHADUR ROAD,

KOLKATA 700 034

WWW.CONSOLKOLKATA.COM, consol.feedback@gmail.com

DRAWN BY:-

S.HORE

CHECKED BY:-

S.GHOSH

SHEET NO. :- ARC. /02

