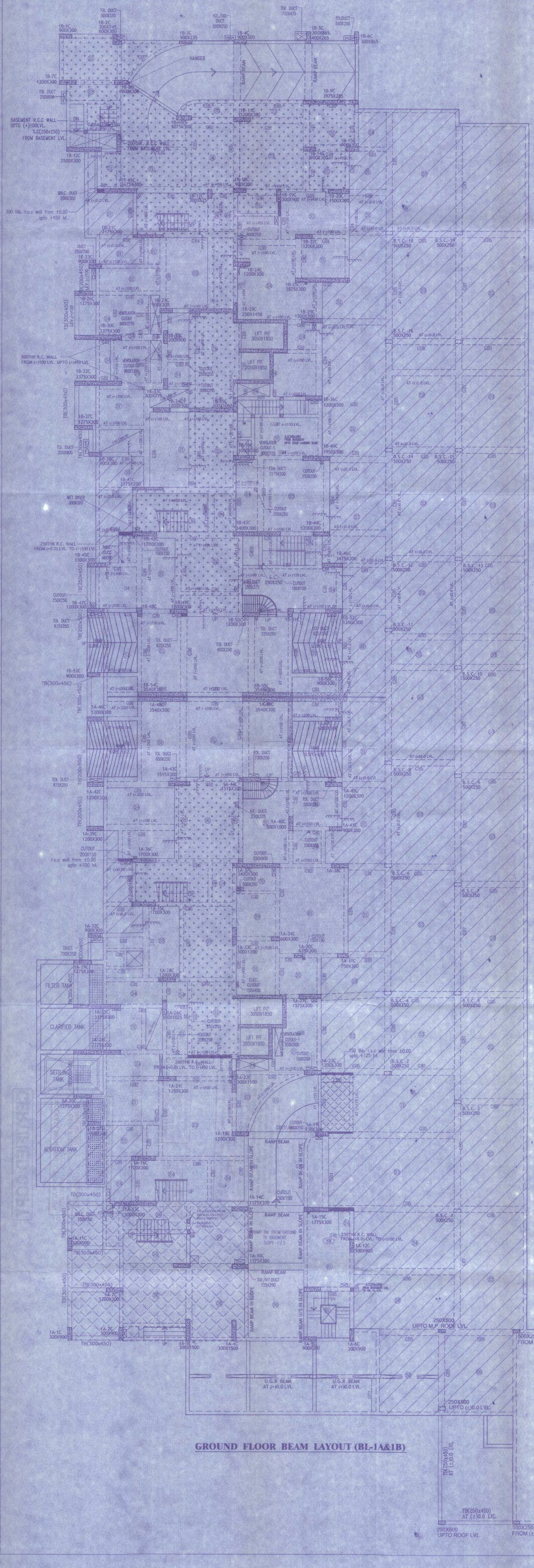


GROUND FLOOR BEAM LAYOUT (BL-1A&1B)

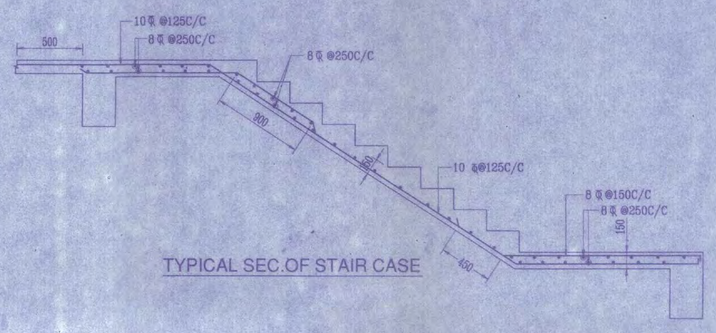
(GROUND FLOOR) BEAM SCHEDULE (CONC.GR.M30) (BLOCK-1)

BEAM MKD.	BEAM SIZE		REINFT. AT LEFT SUPPT.		REINFT. AT SPAN		REINFT. AT RIGHT SUPPT.		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
GB1	250	450	3-20ϕ+2-16ϕ	3-20ϕ	2-20ϕ	3-20ϕ+3-16ϕ	3-20ϕ+2-16ϕ	3-20ϕ	10ϕ @100C/C	10ϕ @150C/C
GB2	350	450	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB3	350	450	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	5-20ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB4	350	450	6-16ϕ	6-16ϕ	6-16ϕ	6-16ϕ	6-16ϕ	6-16ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB5	450	350	6-20ϕ	6-20ϕ	6-20ϕ	6-20ϕ	6-20ϕ	6-20ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB6A	300	450	3-25ϕ+3-20ϕ	3-25ϕ	3-25ϕ+3-20ϕ	2-20ϕ	3-25ϕ+3-20ϕ	2-20ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB6	300	450	3-25ϕ	3-25ϕ	3-25ϕ	3-25ϕ	3-25ϕ	3-25ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB7	450	350	6-25ϕ	6-25ϕ	6-25ϕ	6-25ϕ	6-25ϕ	6-25ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB8	300	450	3-25ϕ+2-25ϕ	3-25ϕ	3-25ϕ	3-25ϕ+2-20ϕ	3-25ϕ+2-25ϕ	3-25ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GB9	300	450	3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ	3-20ϕ	4L-10ϕ @100C/C	4L-10ϕ @150C/C
GMB1	250	400	3-20ϕ	2-20ϕ	3-20ϕ	3-20ϕ+2-16ϕ	3-20ϕ	2-20ϕ	10ϕ @100C/C	10ϕ @200C/C

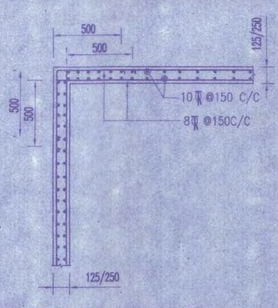
GR. FLOOR SLAB SCHEDULE(BL-1A&1B)

GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	150	10ϕ @250C/C ST. 10ϕ @250C/C CKD.	10ϕ @300C/C ST. 10ϕ @300C/C CKD.
S3	175	10ϕ @200C/C ST. 10ϕ @200C/C CKD.	10ϕ @200C/C ST. 10ϕ @200C/C CKD.
S4	150	8ϕ @150C/C (TOP) 8ϕ @200C/C (BOTT)	8ϕ @200C/C (TOP) 8ϕ @200C/C (BOTT)
S5	200	12ϕ @150C/C (TOP) 12ϕ @150C/C (BOTT.)	12ϕ @200C/C (TOP) 12ϕ @200C/C (BOTT.)
S6	225	12ϕ @125C/C (TOP) 12ϕ @125C/C (BOTT.)	12ϕ @200C/C (TOP) 12ϕ @200C/C (BOTT.)



TYPICAL SEC.OF STAIR CASE



TYPICAL DETAILS OF LIFT WALL

NOTES:-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE AS/SCHEDULE
4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
5. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
COLUMN			40
FLOOR BEAM	30	30	30
	30	30	30
	25	25	25

Manipal Housing Finance (P) Ltd.
Mayfair Garden (P) Ltd.
Manipal Technologies Ltd.
Happy Home Fiscal Service (P) Ltd.
Skipper Mercantile (P) Ltd.
BestView Vinimay (P) Ltd.
Evernew Vinimay (P) Ltd.
Blue Bow Merchants (P) Ltd.
Mahima Tie up (P) Ltd.
Zegstar Commercial (P) Ltd.
Manipal Vyapaar (P) Ltd.
Instylo Distributors (P) Ltd.
Fairplan Vinimay (P) Ltd.
Exclusive Commotrade (P) Ltd.
Tumbler Marketing (P) Ltd.
Suvarna Apartments (P) Ltd.
Shreeparna Supplies (P) Ltd.
Lansdowne Vinimay (P) Ltd.
Shreeparna Vinimay (P) Ltd.

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER.

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

SANJIV J. PAREKH
M.E.(STRUCTURE) (CONST.ENG.)
B. C. E., FIE-(F-6818202-4)
E. S. E. NO. 103 (I) & M. C.

SIGNATURE OF STRUCTURAL ENGG.

SANJIB GUHA
BSC, BCE, FIE-(F-115654-5)
CHARTERED ENGINEER
ENLISTED STRUCTURAL
REVIEWER 88/16 K.M.C.

SIGNATURE OF STRUC.REVIEWER

ALOK ROY
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
Class-I, No.- G.T//111
6A, Milon Park,
Kolkata-700 084

SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF ARCHITECT

I DO HERE BY CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER K.M.C. BUILDING RULE - 2009 AS AMENDED FROM TIME TO TIME THAT THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE NOT A TANK OR A FILLED UP TANK. THE SITE PLAN, LOCATION PLAN AGREES WITH THE SITE. THE PLOT IS DEMARCATED BY BOUNDARY WALLS & MEASUREMENTS TALLY WITH THE REGD. DEED PLAN.

JAY PRAKASH BHARAT KUMAR AGRAWAL
B. Arch., A.I.I.A.,
Reg. No. CA / 86 / 10098
ARCHITECT SL. NO. - 32(A)

SIGNATURE OF ARCHITECT

PROJECT

PROPOSAL FOR OBTAINING THE SANCTION OF ADDITION & ALTERATION OF B+G+XIII STORIED RESIDENTIAL BUILDING U/S 394 OF KMC ACT 1980 READ WITH U/R 26 (2a) ALONG WITH 69A(1)(c) OF KMC BUILDING RULES 2009 INCORPORATING ADDITION IN 1ST & 13TH FLOOR AT PREMISES NO. 24, DIAMOND HARBOUR ROAD, KOLKATA-700104, WARD -144, UNDER BOROUGH - XVI , P.S.-THAKURPUKUR. (REF. B.S. PLAN NO. 2016160118 DATED 29.08.2016)

TITLE

GROUND FLOOR BEAM LAYOUT, BEAM & SLAB SCHEDULE (BLOCK-1A&1B)

ARCHITECTS

AGRAWAL & AGRAWAL
BARODA KOLKATA

STRUCTURAL ENGINEERS

S.P.A.CONSULTANTS
34, RAM MOHAN DUTTA ROAD
KOLKATA - 700020 PHONE - 4757614/4763733.
E-Mail: spa_cons@yahoo.co.in FAX-475-2484

DRAWN BY-	CHECKED BY	JOB NO.
A.S	S.P	2016/05/A&A/34/24,D.H.ROAD(JOKA)
DATE- 14.12.16	SCALE : 1:100,25	DRG. NO. CS- 06