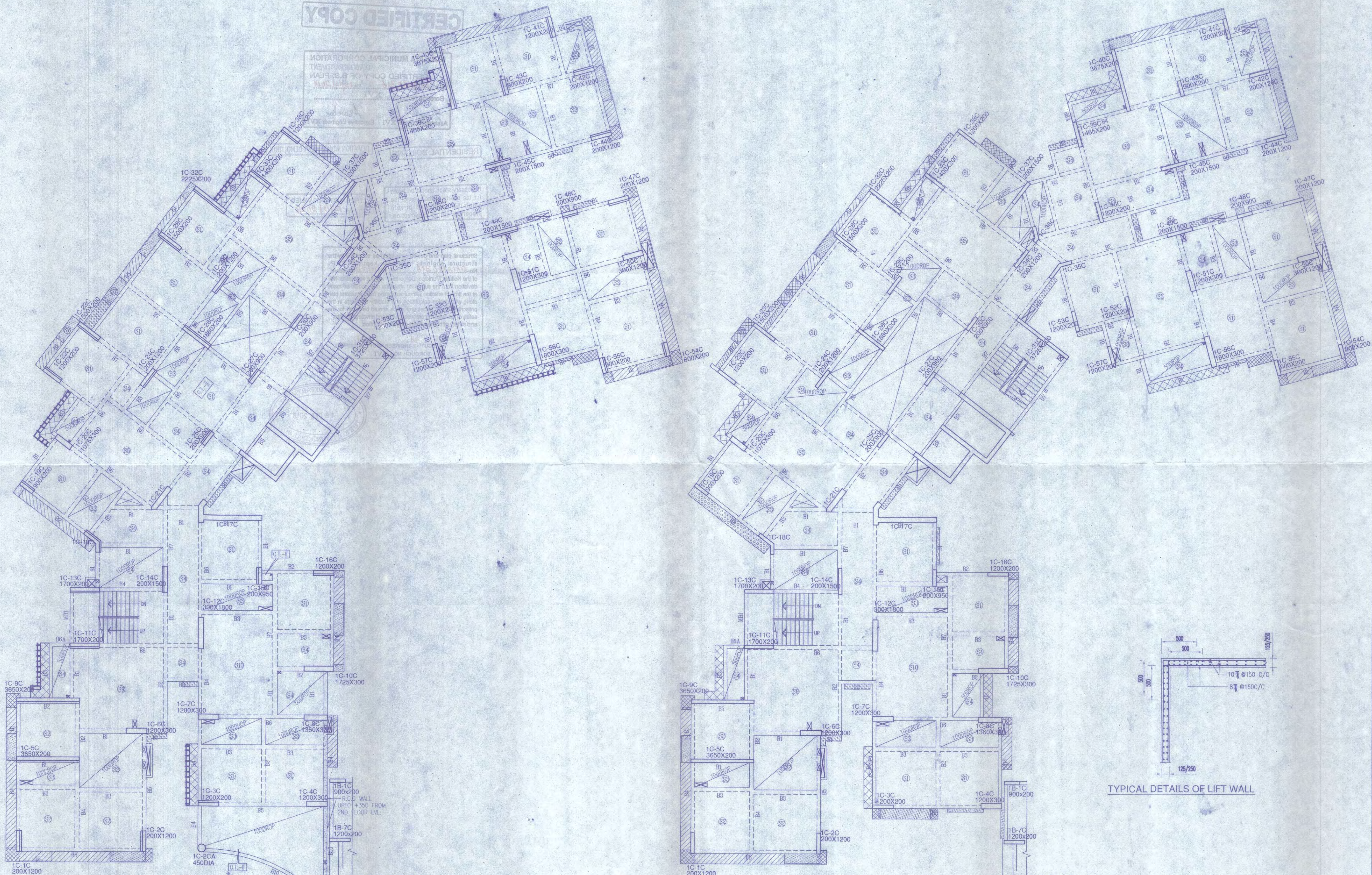


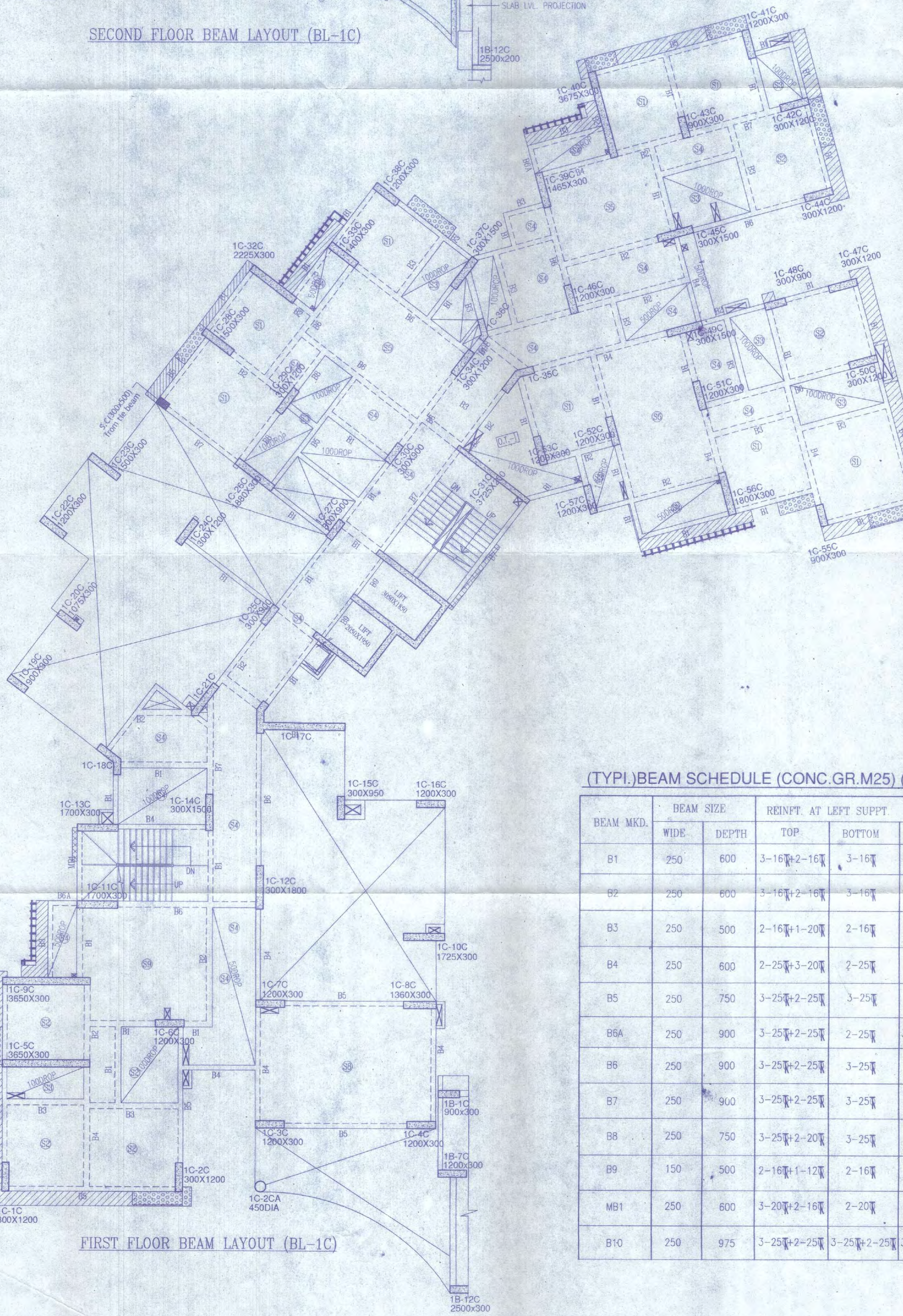
CERTIFIED COPY



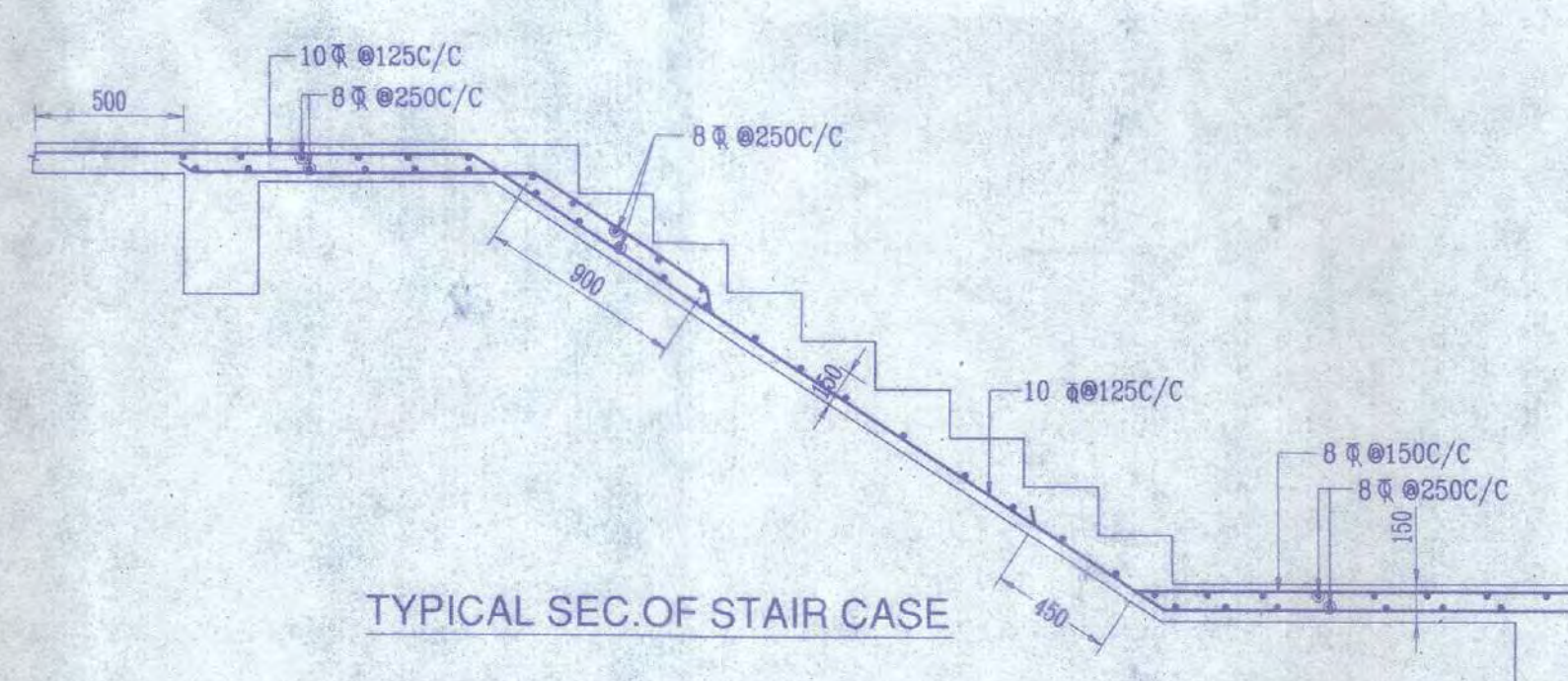
SECOND FLOOR BEAM LAYOUT (BL-1C)

TYPICAL 3RD TO 13TH FLOOR BEAM LAYOUT (BL-1C)

TYPICAL DETAILS OF LIFT WALL



FIRST FLOOR BEAM LAYOUT (BL-1C)



TYPICAL SEC. OF STAIR CASE

(TYP.) SLAB SCHEDULE (BL-1C)
GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	115	8# @400/C ST. 8# @400/C CKD.	8# @400/C ST. 8# @400/C CKD.
S2	125	8# @300/C ST. 8# @300/C CKD.	8# @300/C ST. 8# @300/C CKD.
S3	115	8# @200/C (TOP) 8# @200/C (BOT)	8# @200/C (TOP) 8# @200/C (BOT)
S4	115	8# @150/C (TOP) 8# @200/C (BOT)	8# @200/C (TOP) 8# @200/C (BOT)
S5	125	8# @300/C ST. 8# @300/C CKD.	8# @400/C ST. 8# @400/C CKD.
S6	125	8# @250/C ST. 8# @250/C CKD.	8# @300/C ST. 8# @300/C CKD.
S7	150	10# @150/C (TOP) 8# @200/C (BOT)	8# @200/C (TOP) 8# @200/C (BOT)
S8	150	10# @300/C ST. 10# @300/C CKD.	8# @300/C ST. 8# @300/C CKD.
S9	150	8# @250/C ST. 8# @250/C CKD.	8# @300/C ST. 8# @300/C CKD.
S10	175	8# @200/C ST. 8# @200/C CKD.	8# @250/C ST. 8# @250/C CKD.

(TYP.) BEAM SCHEDULE (CONC. GR. M25) (BLOCK-1C)

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
B1	250	600	3-16# 2-16#	3-16#	3-16#	3-16# 2-12#	3-16# 2-16#	3-16#	8# @100/C	8# @200/C
B2	250	600	3-16# 2-16#	3-16#	3-16#	3-16# 2-16#	3-16# 2-16#	3-16#	8# @100/C	8# @200/C
B3	250	500	2-16# 1-20#	2-16#	2-16#	2-16# 1-12#	2-16# 1-20#	2-16#	8# @200/C	8# @200/C
B4	250	600	2-25# 3-20#	2-25#	2-25#	2-25# 1-16#	2-25# 3-20#	2-25#	10# @100/C	10# @200/C
B5	250	750	3-25# 2-25#	3-25#	2-25#	3-25# 2-20#	3-25# 2-25#	3-25#	10# @100/C	10# @200/C
B6A	250	900	3-25# 2-25#	2-25#	3-25# 2-25#	2-25#	3-25# 2-25#	2-25#	10# @100/C	10# @100/C
B6	250	900	3-25# 2-25#	3-25#	2-25#	3-25#	3-25# 2-25#	3-25#	10# @100/C	10# @200/C
B7	250	900	3-25# 2-25#	3-25#	2-25#	3-25#	3-25# 2-25#	3-25#	10# @100/C	10# @200/C
B8	250	750	3-25# 2-20#	3-25#	2-25#	3-25#	3-25# 2-20#	3-25#	10# @100/C	10# @200/C
B9	150	500	2-16# 1-12#	2-16#	2-16#	2-16#	2-16# 1-12#	2-16#	8# @100/C	8# @200/C
MB1	250	600	3-20# 2-16#	2-20#	2-20#	3-20# 2-12#	3-20# 2-16#	2-20#	8# @100/C	8# @200/C
B10	250	975	3-25# 2-25#	3-25# 2-25#	3-25# 2-25#	3-25# 2-25#	3-25# 2-25#	3-25# 2-25#	10# @100/C	10# @100/C

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 IS CODES.
 5. FOR STEEL GRADE Fe 500 AS PER IS 1786-1979.
 6. LAPS, SPLICES & BOND LENGTH SHOULD BE 30 D WHERE 'D' IS THE SMALLEST BAR DIA.
 7. FOUNDATION & PLINTH - BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK 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
b. COLUMN			40
c. FLOOR BEAM (P.L.S.)	30	30	30
d. TR. BEAM (TR. BEAM SERVICE) (P.L.S.)	30	30	30
e. FLOOR SLAB (P.L.S.)	25	25	25

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.
 SANJIB GUHA
 ALL STRUCTURAL ENGINEER
 R.C.E. No. 104 (1) K.M.C.
 E.S. No. 104 (1) K.M.C.
 SIGNATURE OF STRUCTURAL ENGR.
 SANJIB GUHA
 B.S.C., B.C.E., P.E. (F-115854-S)
 CHARTERED ENGINEER
 REGISTERED STRUCTURAL ENGINEER
 REVIEWER 8918 K.M.C.
 SIGNATURE OF ARCHITECT REVIEWER
 ALOK ROY
 Registered Geotechnical Engineer
 Kolkata Municipal Corporation
 Class No. 63/711
 64, Milan Park
 SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF ARCHITECT
 I DO HEREBY 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 CONFORMS WITH THE PLAN AND THAT 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.L.L.T.
 Reg. No. CA 162/1059
 ARCHITECT (S.L. NO. - 329A)
 SIGNATURE OF ARCHITECT
 PROJECT
 PROPOSAL FOR OBTAINING THE SANCTION OF ADDITION & ALTERATION OF B-G-2/II STORIED RESIDENTIAL BUILDING (S.B. OF K.M.C. ACT 1950 READ WITH LR 26 (50) ALONG WITH 69A(1)(c) OF K.M.C. BUILDING RULES 2009 INCORPORATING ADDITION IN 1ST & 13TH FLOOR AT PREMISES NO. 24, DIAMOND HARBOUR ROAD, KOLKATA-70014, WARD-144, UNDER BOROUGH - XVI, P.S. THAKURPUKUR, (REF. B.S. PLAN NO. 2016180118 DATED 29.08.2016)
 TITLE
 1ST 2ND & (TYP.) FLOOR BEAM LAYOUT, BEAM & SLAB SCHEDULE (BLOCK-1C)
 ARCHITECTS
 AGRAWAL & AGRAWAL
 BARODA
 KOLKATA
 STRUCTURAL ENGINEERS
 S.P.A. CONSULTANTS
 34, RAM MOHAN DUTTA ROAD
 KOLKATA - 700020 PHONE - 476814/4768783
 E-Mail: spa_cons@yahoo.co.in FAX-476-2454
 DRAWN BY: A.S. CHECKED BY: S.P. NOB NO: 2016/05/ARA/34/24.D.H.ROAD(KOLK)
 DATE: 14.12.18 SCALE: 1:100, 25 DATE: 14.12.18 SCALE: 1:100, 25 DRG. NO: CS-05