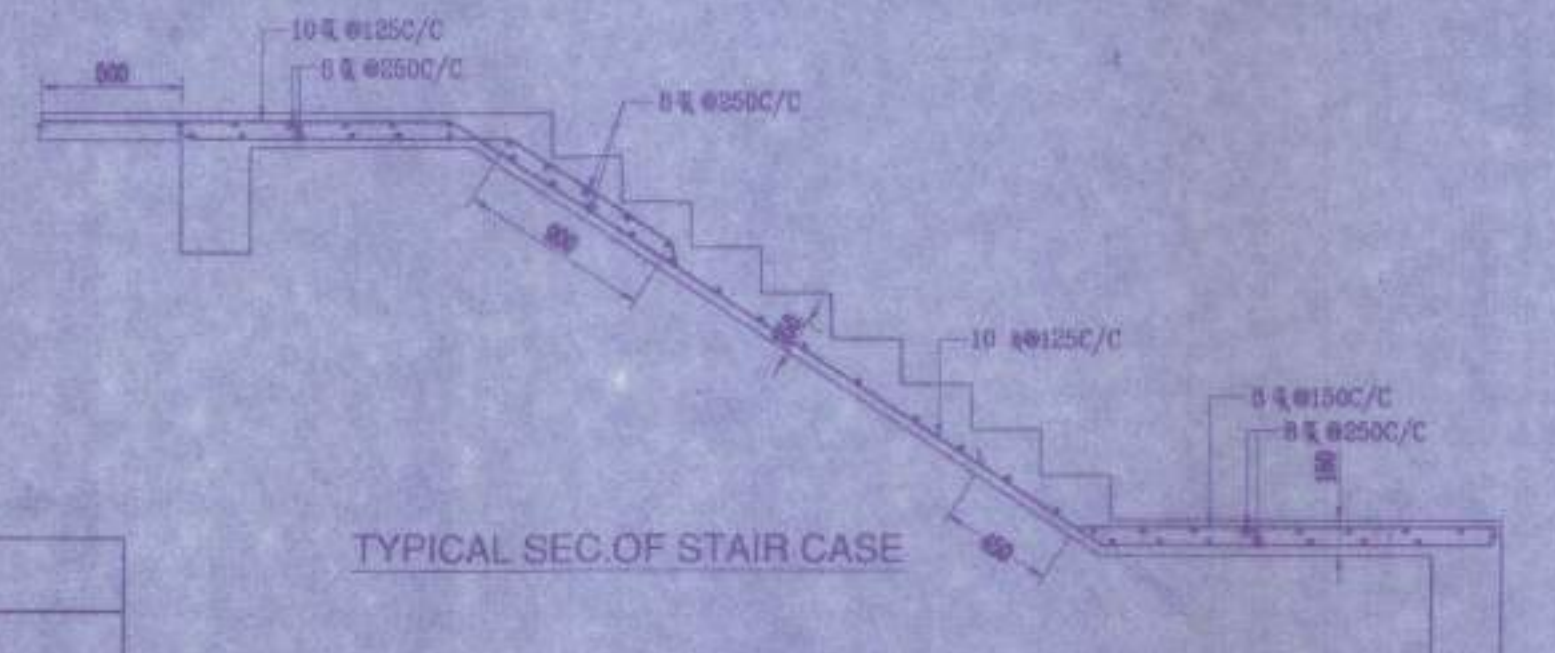


(TYP.) BEAM SCHEDULE (CONC.GR.M25) (BLOCK-1A)

BEAM MKD	BEAM SIZE		REINFT. AT LEFT SUPPT		REINFT. AT SPAN		REINFT. AT RIGHT SUPPT		STRENGTH	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250	500	3-16@9-12	3-16	2-16	3-16@12-12	3-16	3-16	8 @ 1000/C	8 @ 1500/C
B2	250	600	3-20@9-12	3-20	2-20	3-20@12-12	3-20	3-20	10 @ 1000/C	10 @ 2000/C
B3	250	500	3-16	3-16	2-16	3-16	3-16	3-16	8 @ 1500/C	8 @ 1500/C
B4	250	600	3-20@9-12	3-20	2-20	3-20@12-12	3-20	3-20	10 @ 1000/C	10 @ 2000/C
B5	250	600	3-20@9-12	3-20	2-20	3-20@12-12	3-20	3-20	10 @ 1000/C	10 @ 2000/C
B6A	250	600	3-20@9-12	2-20	3-20@12-12	2-20	3-20@12-12	2-20	10 @ 1000/C	10 @ 1000/C
B6B	250	600	3-20@9-12	2-20	3-20@12-12	2-20	3-20@12-12	2-20	10 @ 1000/C	10 @ 2000/C
B7	250	600	3-20	2-20	2-20	3-20@12-12	3-20	2-20	8 @ 1000/C	8 @ 2000/C
B8	250	750	3-25@9-12	2-25	2-25	3-25@12-12	3-25	2-25	10 @ 1000/C	10 @ 2000/C
B9	150	500	2-16	2-16	2-16	3-16	2-16	2-16	8 @ 1500/C	8 @ 1500/C
MB1	250	600	3-16	2-16	2-16	3-16	2-16	2-16	8 @ 1000/C	8 @ 2000/C

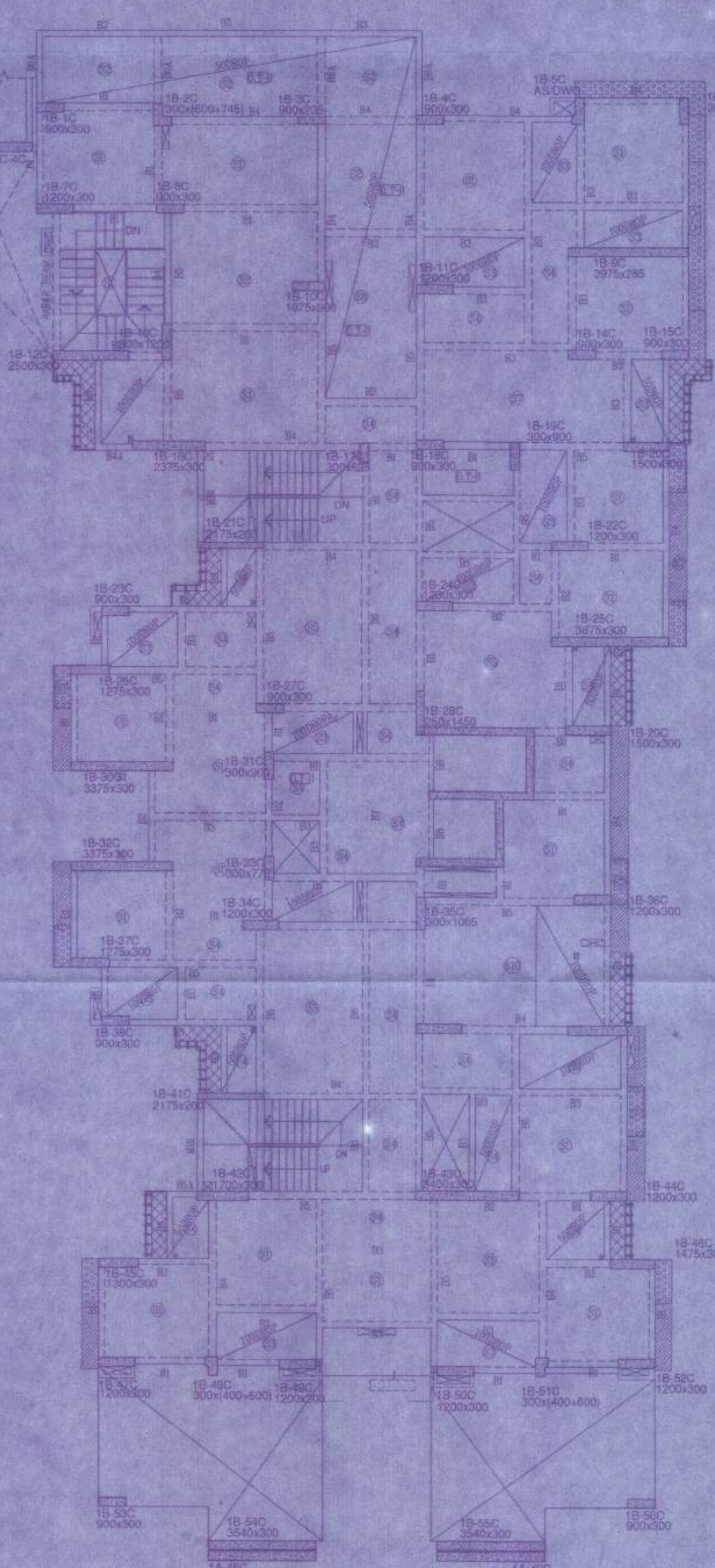
(TYP.) BEAM SCHEDULE (CONC.GR.M25) (BLOCK-1B)

BEAM MKD	BEAM SIZE		REINFT. AT LEFT SUPPT		REINFT. AT SPAN		REINFT. AT RIGHT SUPPT		STRENGTH	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250	600	2-16@9-12	2-16@12-12	2-16	3-16@12-12	2-16@12-12	2-16@12-12	8 @ 1000/C	8 @ 2000/C
B2	250	600	3-16@12-12	3-16	3-16	3-16@12-12	3-16	3-16	8 @ 1500/C	8 @ 2000/C
B3	250	500	2-16@12-12	2-16	2-16	2-16@12-12	2-16@12-12	2-16	8 @ 2000/C	8 @ 2000/C
B4	250	750	2-20@9-12	2-20	2-20@12-12	2-20	2-20@12-12	2-20	10 @ 1000/C	10 @ 1000/C
B5A	250	750	3-20@9-12	2-20	3-20@12-12	2-20	3-20@12-12	2-20	10 @ 1000/C	10 @ 1000/C
B5B	250	750	3-20@9-12	3-20	2-20	3-20@12-12	3-20	3-20	10 @ 1000/C	10 @ 2000/C
B6	250	750	3-20	2-20	2-20	3-20	3-20	2-20	10 @ 1000/C	10 @ 2000/C
B7	250	750	2-25@9-12	2-25	2-25	3-25@12-12	3-25	2-25	10 @ 1000/C	10 @ 2000/C
B8	150	500	2-16@12-12	2-16	2-16	2-16	2-16@12-12	2-16	8 @ 1000/C	8 @ 2000/C
MB1	250	600	3-20@12-12	2-20	2-20	3-20@12-12	3-20@12-12	2-20	8 @ 1000/C	8 @ 2000/C

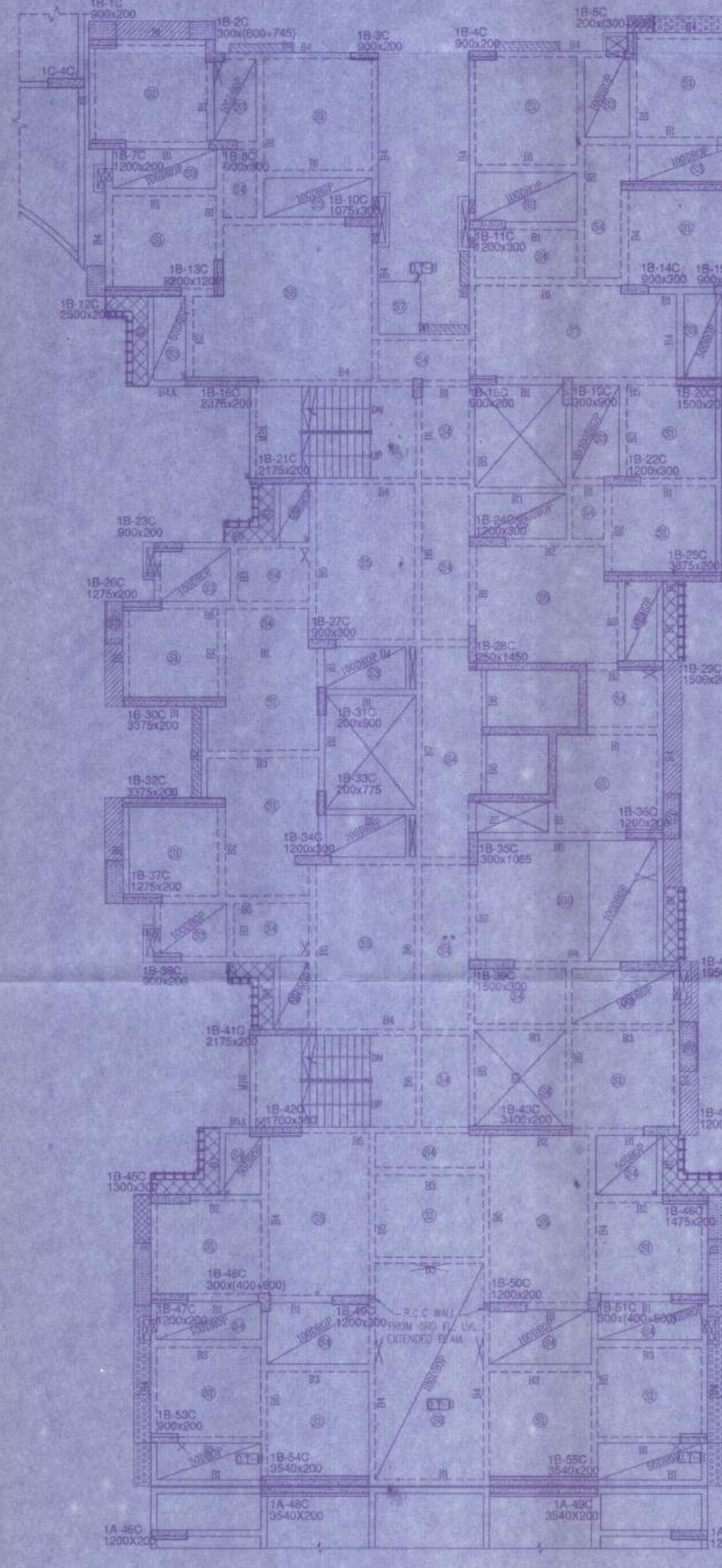


(TYP.) SLAB SCHEDULE (BL-1A&1B)

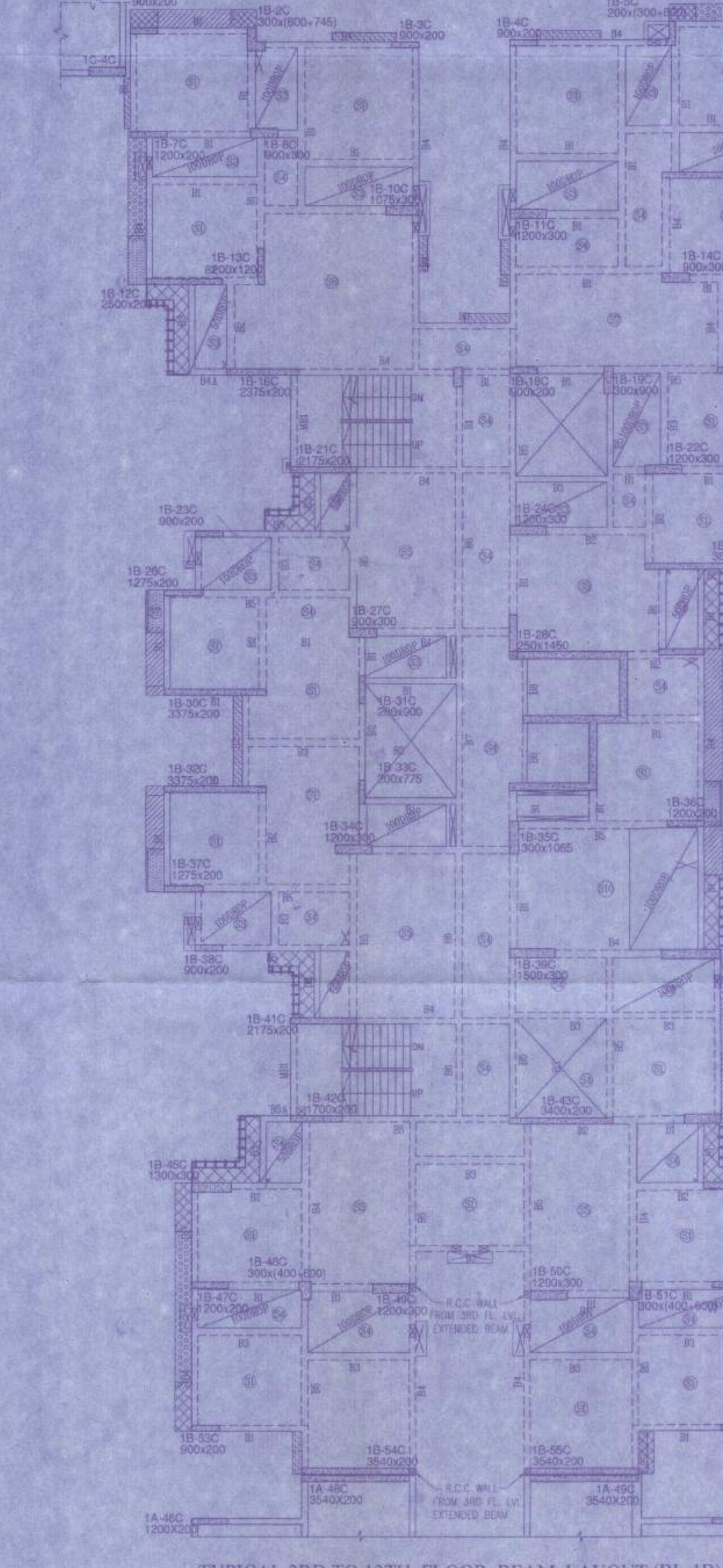
SLAB MKD	DEPTH	REINFT. AT SHORTER SPAN		REINFT. AT LONGER SPAN	
		TOP	BOTTOM	TOP	BOTTOM
S1	115	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.
S2	125	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.
S3	115	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.
S4	115	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.	8 @ 4000/C ST. 8 @ 4000/C CD.
S5	125	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.
S6	125	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.	8 @ 3000/C ST. 8 @ 3000/C CD.
S7	150	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.
S8	150	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.
S9	150	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.
S10	175	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.	10 @ 3000/C ST. 10 @ 3000/C CD.



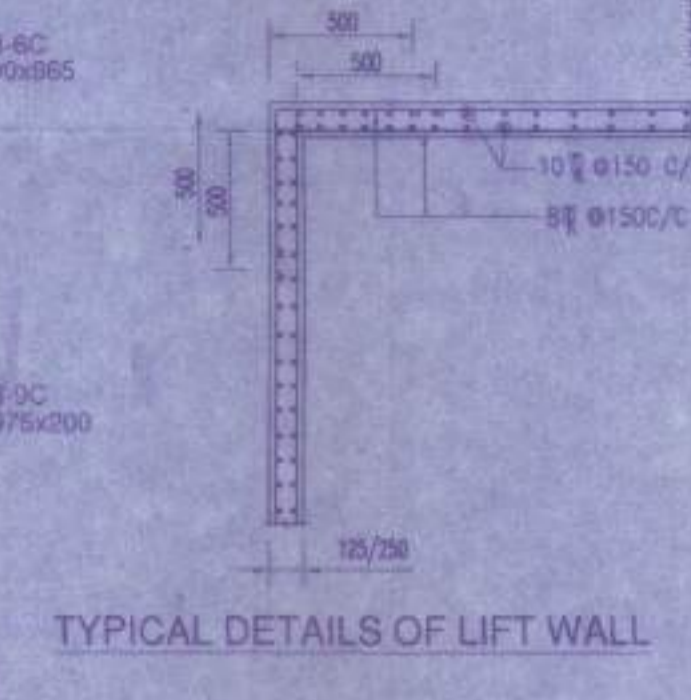
FIRST FLOOR BEAM LAYOUT (BL-1B)



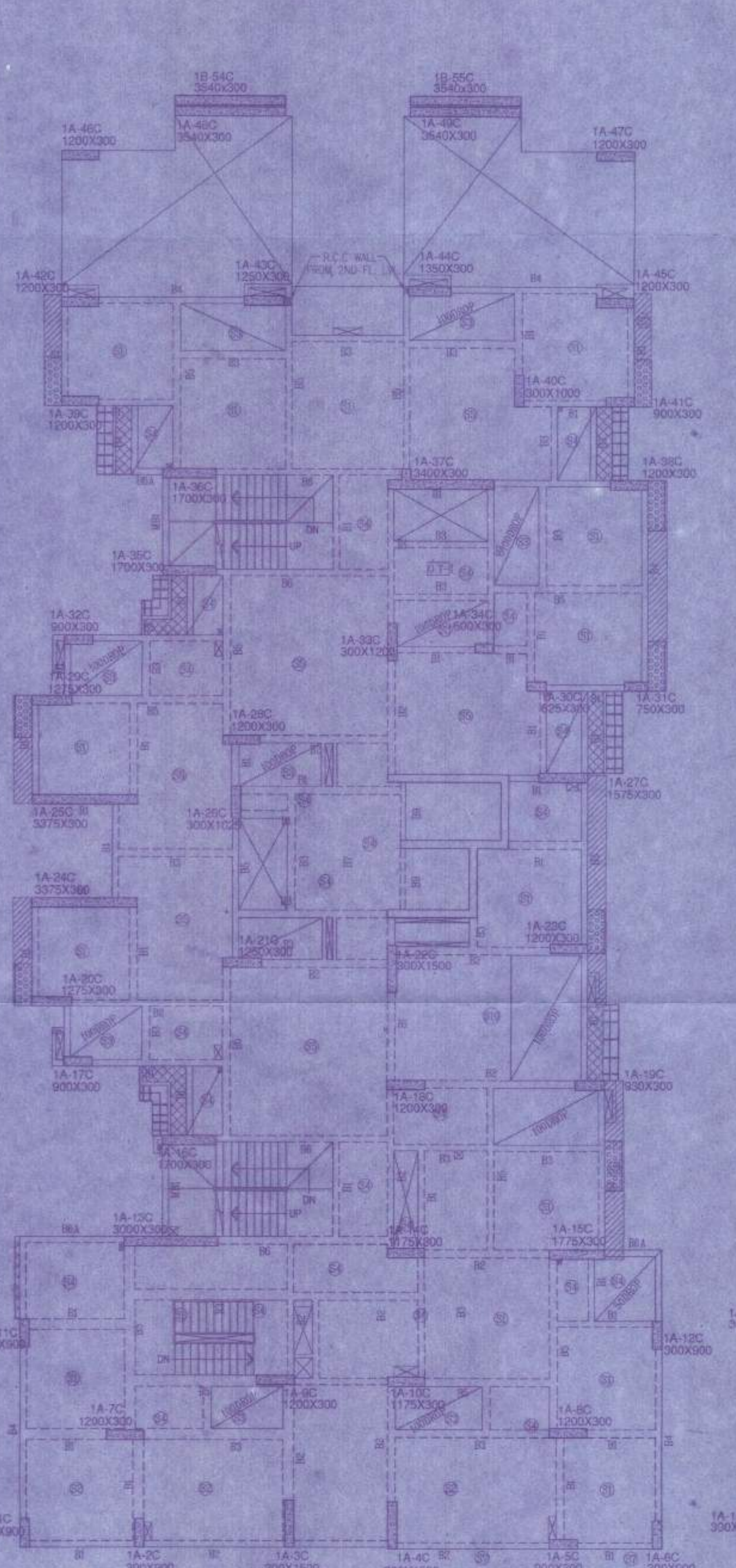
SECOND FLOOR BEAM LAYOUT (BL-1B)



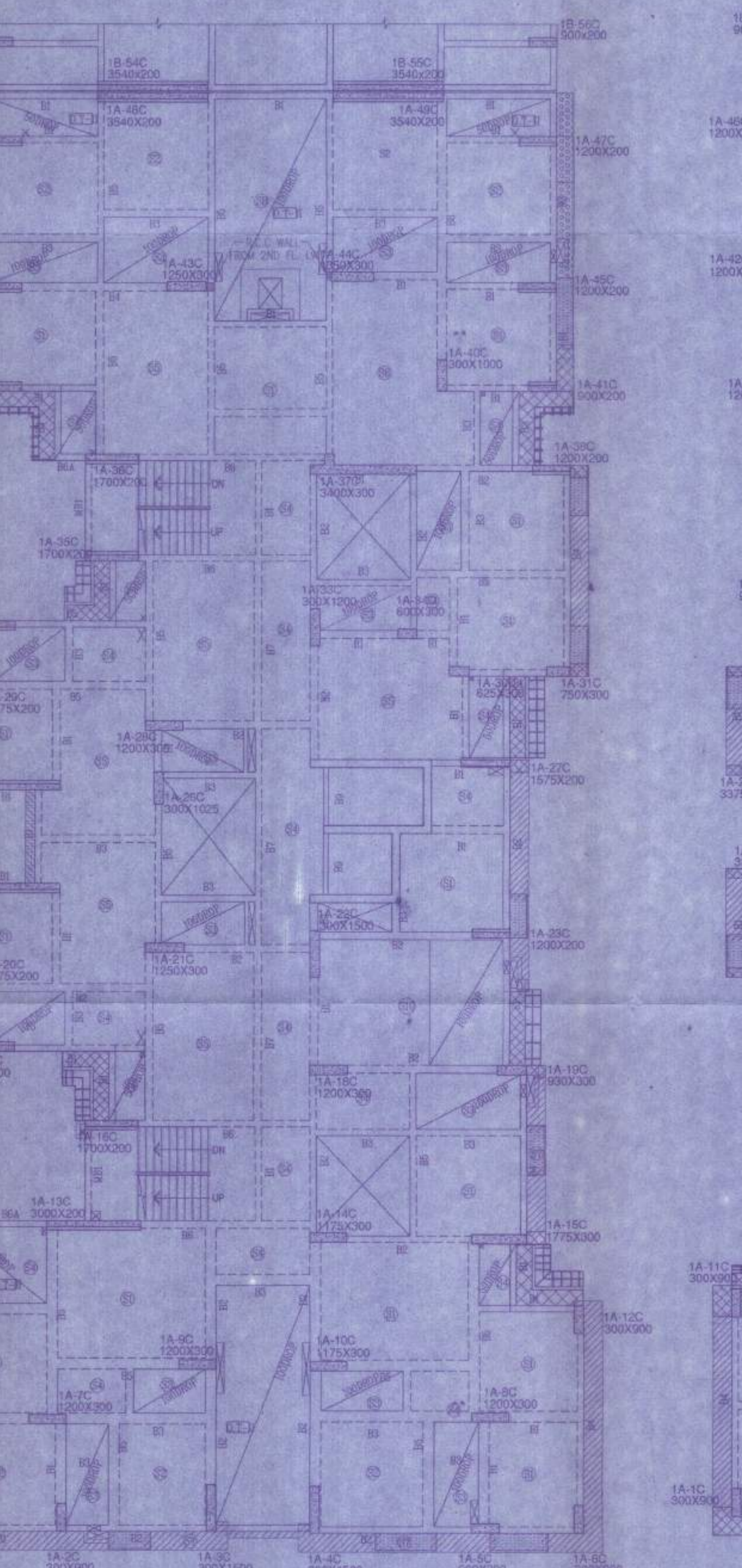
TYPICAL 3RD TO 13TH FLOOR BEAM LAYOUT (BL-1B)



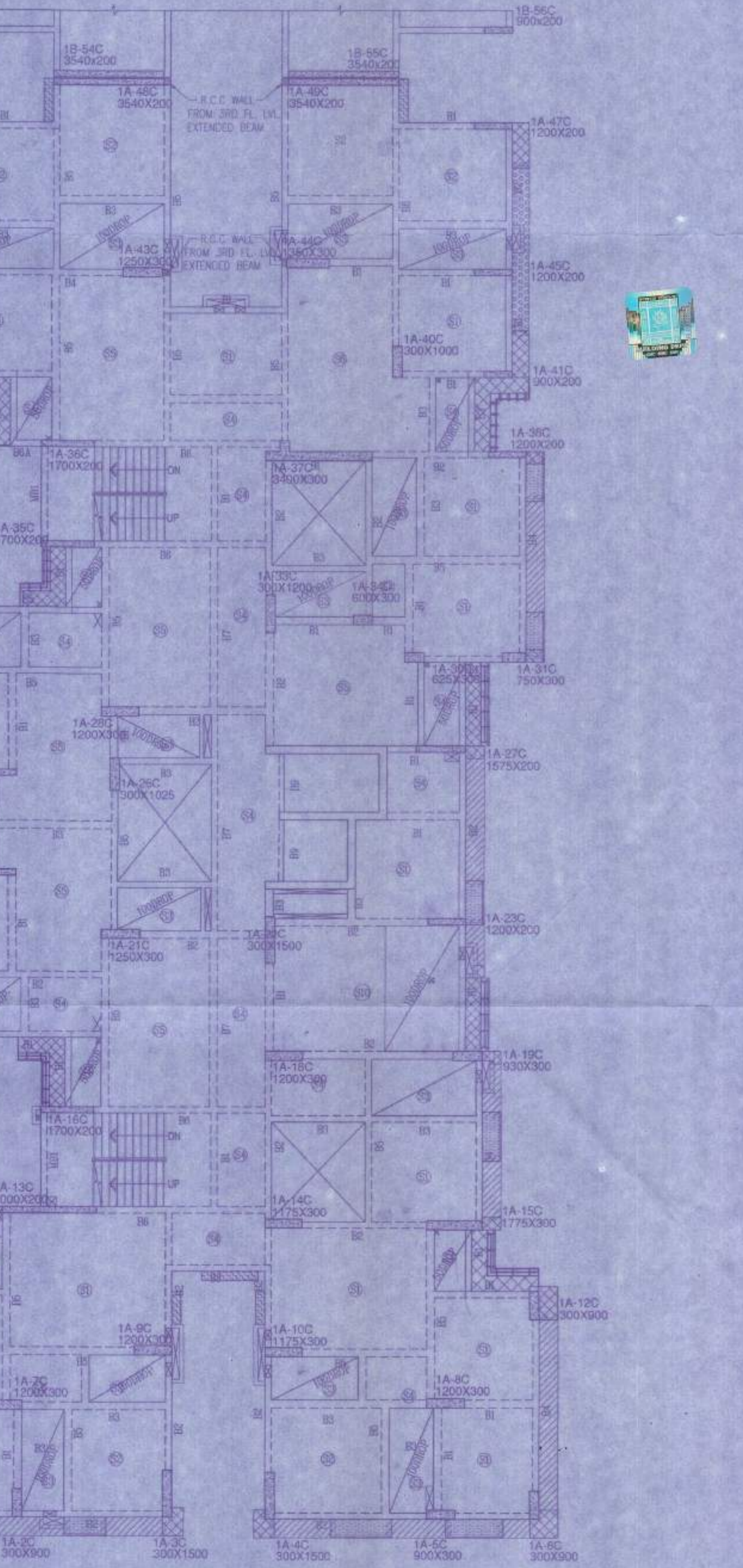
TYPICAL DETAILS OF LIFT WALL



FIRST FLOOR BEAM LAYOUT (BL-1A)



SECOND FLOOR BEAM LAYOUT (BL-1A)



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

NOTES:-  
 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.  
 2. SUPER STRUCTURE - SUPER STRUCTURE SHALL BE OF 150 CLASS BRICK IN 1:5 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, SPICES & BOND LENGTH SHALL BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.  
 7. FOUNDATION & PLUMB - BRICKWORK IN FOUNDATION & PLUMB SHALL BE OF 150 CLASS BRICK IN 1:5 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	50	40	40
c. FLOOR BEAM	30	30	30
d. THE BEAM	25	25	25
e. FLOOR SLAB	25	25	25

SIGNATURE OF OWNER  
 SIGNATURE OF STRUCTURAL ENGINEER  
 THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWING OF THE BUILDING AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, ENGINEERING AND PROFESSIONAL ENGINEER, INCLUDING THE DESIGN AND CONSTRUCTION OF THE BUILDING CODE OF PRACTICE AND CONSTRUCTION OF THE BUILDING AND IS COMPLETE IN ALL RESPECTS.  
 SANJIV J. PAREKH  
 M.B.E. No. 14844-ENR  
 R.C.E. No. 14844-ENR  
 E.S. No. 14844-ENR  
 SIGNATURE OF STRUCTURAL ENGINEER  
 SANJIV GUPTA  
 P.E. No. 14844-ENR  
 CHARTERED ENGINEER  
 REGISTERED STRUCTURAL ENGINEER  
 REVIEWER BHAU K. SINGH  
 SIGNATURE OF ARCHITECT  
 ARCHITECT  
 I do hereby certify with full responsibility that the BUILDING PLAN HAS BEEN DRAWN UP AS PER M.C. BUILDING RULES, 2009 AS AMENDED FROM TIME TO TIME THAT THE WIDTH OF THE BUILDING DOES NOT EXCEED WITH THE R.F. AND IT IS A BUILDABLE SITE NOT A TANK OR A FILLED UP TANK. THE SITE PLAN, LOCATION PLAN AND AGREED WITH THE SITE. THE PLAN IS SUBMITTED BY THE ARCHITECT AND I AM RESPONSIBLE TALKING WITH THE RELEVANT DEPT.  
 PROJECT  
 PROPOSAL FOR OBTAINING THE SANCTION OF ADDITION & ALTERATION OF 8-GATE STORIED RESIDENTIAL BUILDING. AS PER M.C. ACT 1960 READ WITH U.R. (G) ALONG WITH 60% OF M.C. BUILDING RULES 2009 INCORPORATED. ADDITION IN 1ST & 13TH FLOOR AT PREMISES NO. 24, CHANDRA HARSHAR ROAD, KOKATA-PONDA, WARD-14A, UNDER MUNICIPALITY, P. S. THIRUVARUR, DIST. S. P. KANNUR DISTRICT DATED 08/08/2018.  
 TITLE  
 1ST 2ND & (TYP.) FLOOR BEAM LAYOUT, BEAM & SLAB SCHEDULE (BLOCK-1A&1B)  
 ARCHITECTS  
 AGRAWAL & AGRAWAL  
 BANGALORE  
 STRUCTURAL ENGINEERS  
 S.P.A. CONSULTANTS  
 34, BEAM MOHAN DUTTA ROAD  
 BANGALORE - 560025  
 E-MAIL: spa\_cons@yashoo.com IN: 934-675-3484  
 DRAWN BY: AS CHECKED BY: SP JOB NO: 2018/05/AAA/34  
 DATE: 14.12.18 SCALE: 1:100.00 DRG. NO: CP-04