

CERTIFICATE OF STRUCTURAL REVIEWER
 I/WE HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR THE CONSTRUCTION OF PROPOSED G+4RB BUILDING AT HOLDING NO 79/F/1 B.I. ROAD, WARD NO. 6 - MOUDA, AGARPARA, J.L. NO.11, DAG NOS.1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089, POLICE STATION, KHARDAH, DISTRICT-24 PARAGANADORTH) UNDER THE JURISDICTION OF PANHATI MUNICIPALITY HAVE BEEN PERSONALLY VISITED BY ME/US AND ALL THE DESIGNS, DRAWINGS, SOIL TEST REPORT AND LOAD TEST RESULTS FOR FOUNDATION AND SUPERSTRUCTURE HAVE BEEN DULY REVIEWED CONFORMING TO STIPULATIONS OF ALL LATEST RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE AND IT IS FOUND THAT EVERYTHING IS COMPLETELY IN ORDER AND THE PROPOSED FOUNDATION AND SUPER STRUCTURE ARE SAFE IN ALL RESPECT.

Utpal Santra
UTPAL SANTRA
 B.C.E., M.C.E. (STRUCT.)
 F.I.E.-F1212601
 IAC Registered Structural Engineer (E.S.R.-115111)

SIGNATURE OF STRUCTURAL REVIEWER
 CERTIFICATE OF OWNER & DEVELOPER
 I/WE HEREBY CERTIFY THAT I/WE HAVE DONE THROUGHOUT THE BUILDING PERIODS OF BEST PRACTICE MEANS AND BUILDINGS TO BE CONSTRUCTED AND AMENDMENTS ALSO UNDERTAKEN TO ARISE BY THESE RULES DURING & AFTER THE CONSTRUCTION OF THE BUILDING.
VEENAY APARTMENTS LTD - 2020S
S.P.
 S.P. SINGH
 CHARTERED ACCOUNTANT
 SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER
 I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE PROPOSED G+4RB B.I. BUILDING AT HOLDING NO 79/F/1 B.I. ROAD, WARD NO. 6, MOUDA, AGARPARA, J.L. NO.11, DAG NOS.1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089, POLICE STATION, KHARDAH, DISTRICT-24 PARAGANADORTH) UNDER THE JURISDICTION OF PANHATI MUNICIPALITY, HAVE BEEN PERSONALLY INSPECTED AND ASSESSED BY ME/US. I/WE WILL MAKE SUCH FOUNDATION AND SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONCERNS, IF ANY, CONSIDERING ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
 B.C.E., M.E., M.I.C.E.
 M.I.E., CHARTERED ENGINEER
 ENLISTED 051 TECHNICAL ENGINEER (I.C.M.C.)
 G.L/03 (I.C.M.C.) LM-4279, M-153878-5

SIGNATURE OF GEO-TECHNICAL ENGINEER
ANKIT AGARWALA
 B.E. (CIVIL), M.E. (STRUC.)
 G. ENCL. M.I. (STRUCT. E. (LONDON))
 Membership No. 076392905
 IAC EMPLOYED STRUCTURAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER
KAMAL KUMAR PERIWAL
 CA-95-19679

SIGNATURE OF ARCHITECT
KAMAL KUMAR PERIWAL
 CA-95-19679

SPACE FOR SEAL

NOTE:
 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT SHALL BE TMT BARS OF GRADE FE-500 TO IS-1786-1985 AND ELEVATION SHALL BE MINIMUM 14.5 PERCENT.
 3. CLEAR COVER FOR ALL MAIN REIN SHALL BE
 - APPLE CAP = 50
 - COLUMN = 40
 - FLOOR BEAM = 25
 - FLOOR SLAB = 25
 - E/SLAB = 25
 4. GRADE OF CONCRETE IS/M30
 5. GRADE OF P.C.C.
 - UNDER FOUNDATION = 1:4:8
 - UNDER FLOOR = 1:2:4
 6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELATED ARCH DRAWING.
 7. ANY DISCREPANCY IN THE STRUCTURAL DRAWINGS WITH ANY OTHER DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT.
 8. DETAILS OF PILE CAP TO BE PROVIDED IN THE WORKING DRAWING.
 9. FOR DETAIL OF PILE SHAFT REFER DRG. NO. 00-540-00-01.
 10. THE REINFORCEMENT DETAIL MUST CONTAIN THE STIPULATION OF IS 4526:1993
 11. CONSTRUCTION SHALL BE DONE AS PER IS 4526:2000
 Project:
 PROPOSED G+4RB BUILDING UNDER PANHATI MUNICIPALITY, AT HOLDING NO.79/F/1 B.I. ROAD, WARD NO. 6, MOUDA, AGARPARA, J.L. NO.11, DAG NOS.1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089, POLICE STATION, KHARDAH, DISTRICT-24 PARAGANADORTH)

MAHESWARI & ASSOCIATES-
 37A, BAKER ROAD, 2ND FLOOR
 ALIPUR, KOLKATA - 700 027
 www.architects.com

Civil & Structural Consultants:
M.N.CONSULTANTS (Pvt).Ltd.
MNC HOUSE
 1516, RAJDANGA MAIN ROAD
 KOLKATA - 700 107
 Ph.no.-913324418082/913340165700
 FAX NO. 913324418083
 E-MAIL:mncnpl2008@gmail.com.

Title:
GA AT TYPICAL FLOOR.
 Scale:
 AS SHOWN
 Date
 17.02.2021
 Drawn
 BALARAM
 Design Development Construction Dwg As Built Dwg
 Contract Document Construction Dwg Tender Dwg
 File Name

Job No.
 1657
 Drawing No.
 C-00-S20-04-01

SCHEDULE OF TYP. FLOOR BEAMS (SCHEDULE OF ROOF BEAMS ARE SIMILAR)

BEAM MKD.	BEAM SIZE	BEAM REINF.						STIRRUP		REMARKS	
		END SUPPT. (T)	(B)	MID SPAN (T)	(B)	CONT. SUPPT. (T)	(B)	CANT END (T)	(B)		UPTO L/3 FROM SUPPT.
B1	200x800	2-20T + 2-20T	2-20T	2-20T	2-20T + 2-20T	2-20T	2-20T			10T-2L @ 100 C/C	10T-2L @ 200 C/C
B2	200x800	2-16T + 2-16T	2-16T	2-16T	2-16T + 2-12T					8T-2L @ 100 C/C	8T-2L @ 200 C/C
B3	200x800	2-20T + 2-20T	2-20T	2-20T	2-20T + 2-20T	2-20T	2-20T			10T-2L @ 100 C/C	10T-2L @ 100 C/C
B4	200x600	2-20T + 2-20T	2-20T	2-20T	2-20T					10T-2L @ 100 C/C	10T-2L @ 100 C/C
B5	200x900	2-20T + 2-20T + 2-12T	2-20T	2-20T	2-20T					10T-2L @ 100 C/C	10T-2L @ 100 C/C
B6	200x600	2-16T + 2-16T	2-16T	2-16T	2-16T + 2-12T					8T-2L @ 150 C/C	8T-2L @ 200 C/C
B7	200x800	2-20T + 2-20T	2-20T	2-20T	2-20T + 2-12T					8T-2L @ 150 C/C	8T-2L @ 200 C/C
B8	200x800	2-20T + 2-20T	2-20T	2-20T	2-20T	2-20T	2-20T			10T-2L @ 100 C/C	10T-2L @ 100 C/C
B9	200x800	2-20T + 2-20T	2-20T	2-20T	2-20T	2-20T	2-20T			10T-2L @ 100 C/C	10T-2L @ 200 C/C
B10	200x800	2-20T + 2-20T	2-16T	2-20T	2-16T					8T-2L @ 100 C/C	8T-2L @ 175 C/C

SCHEDULE OF SLABS

SLAB MKD.	SLAB THK.	SLAB REINF.				DIST.
		SHORTER DIR. SUPPORT	MID SPAN	LONGER DIR. SUPPORT	MID SPAN	
S1	125	8T @ 125C/C	8T @ 150C/C	8T @ 150C/C	8T @ 175C/C	8T @ 3000/C
S2	115	8T @ 150C/C	8T @ 175C/C	8T @ 200C/C	8T @ 250C/C	8T @ 3000/C
S3	115	8T @ 150C/C	8T @ 175C/C	8T @ 175C/C	8T @ 200C/C	8T @ 3000/C
S4	115	8T @ 100C/C	8T @ 100C/C	8T @ 175C/C	8T @ 200C/C	8T @ 3000/C
S5	175	10T @ 100C/C	10T @ 125C/C	10T @ 100C/C	10T @ 125C/C	8T @ 3000/C
S6	115	8T @ 150C/C	8T @ 175C/C	8T @ 150C/C	8T @ 175C/C	8T @ 3000/C
S7	150	8T @ 100C/C	8T @ 125C/C	8T @ 125C/C	8T @ 150C/C	8T @ 3000/C
S8	125	8T @ 100C/C	8T @ 200C/C	8T @ 200C/C	8T @ 200C/C	8T @ 3000/C

SCHEDULE OF SHEAR WALL

ROOF LEV.	TO	14TH FLOOR	TO	9TH FLOOR	TO	5TH FLOOR	TO	FOUNDATION	
14-15	12-20T + 32-10T	14-15	8-20T + 18-12T	9-10	12-20T + 32-10T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T
13-14	8-20T + 18-12T	12-13	12-20T + 32-10T	10-11	12-20T + 32-10T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T
12-13	8-20T + 18-12T	10-11	12-20T + 32-10T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
11-12	8-20T + 18-12T	9-10	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
10-11	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
9-10	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
8-9	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
7-8	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
6-7	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
5-6	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
4-5	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
3-4	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
2-3	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T
1-2	8-20T + 18-12T	8-9	8-20T + 18-12T	12-13	20-20T + 14-12T	14-15	26-20T + 44-20T	16-17	26-20T + 44-20T

SCHEDULE OF TYP. FLOOR BEAMS (SCHEDULE OF ROOF BEAMS ARE SIMILAR)

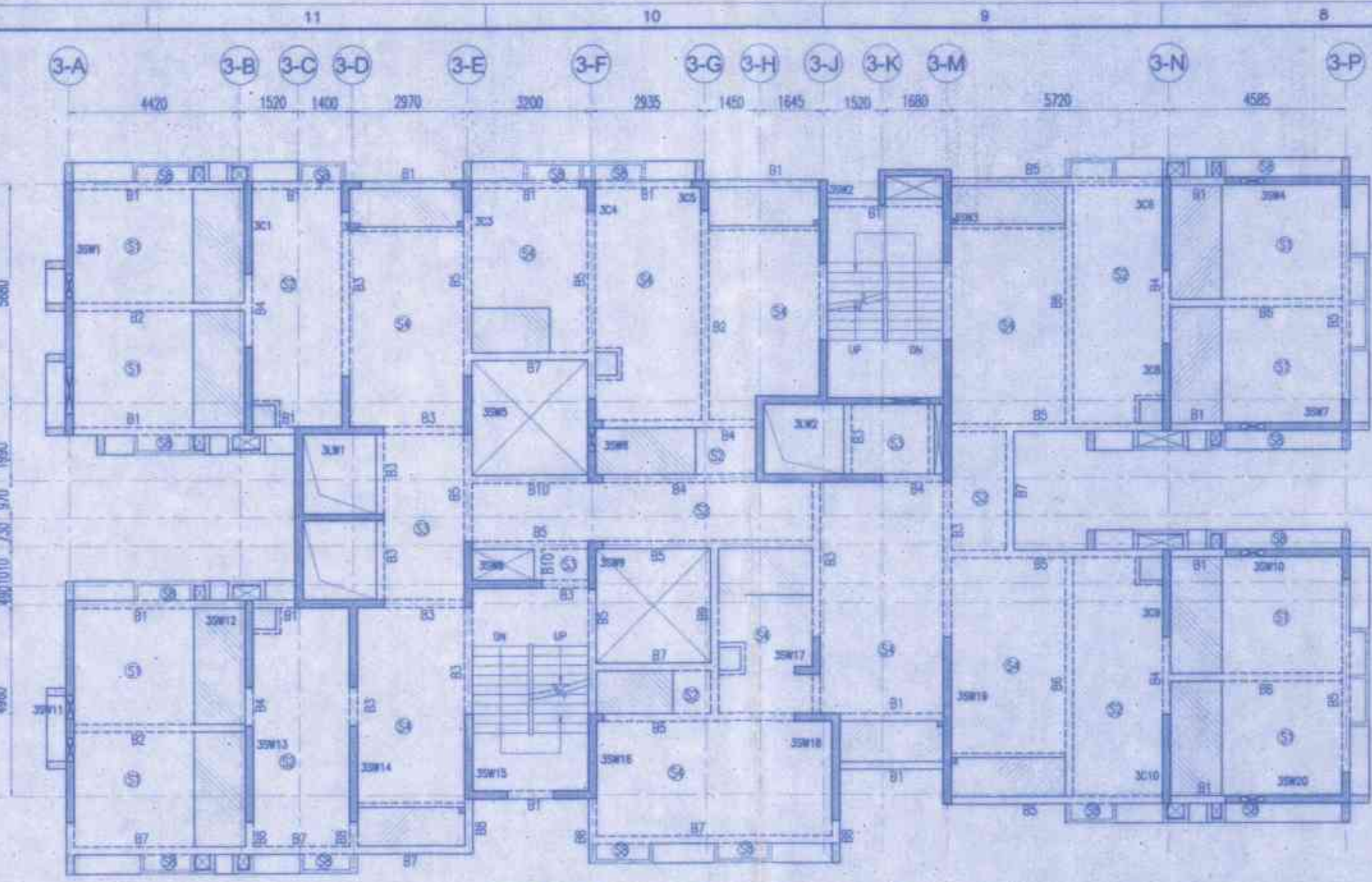
BEAM MKD.	BEAM SIZE	BEAM REINF.						STIRRUP		REMARKS	
		END SUPPT. (T)	(B)	MID SPAN (T)	(B)	CONT. SUPPT. (T)	(B)	CANT END (T)	(B)		UPTO L/3 FROM SUPPT.
CB1	200x800	2-25T + 2-25T	2-20T	2-25T	2-20T + 2-25T	2-25T	2-20T			10T-2L @ 100 C/C	10T-2L @ 200 C/C
CB2	200x600	2-16T + 2-16T	2-16T	2-16T	2-16T + 2-16T	2-16T				8T-2L @ 100 C/C	8T-2L @ 200 C/C
CB3	200x800	2-25T + 2-25T	2-20T	2-25T	2-20T + 2-25T	2-25T	2-20T			10T-2L @ 100 C/C	10T-2L @ 200 C/C
CB4	250x800	2-25T + 2-25T	2-20T	2-25T	2-20T + 2-25T	2-25T	2-20T			10T-2L @ 125 C/C	10T-2L @ 300 C/C

SCHEDULE OF SLABS

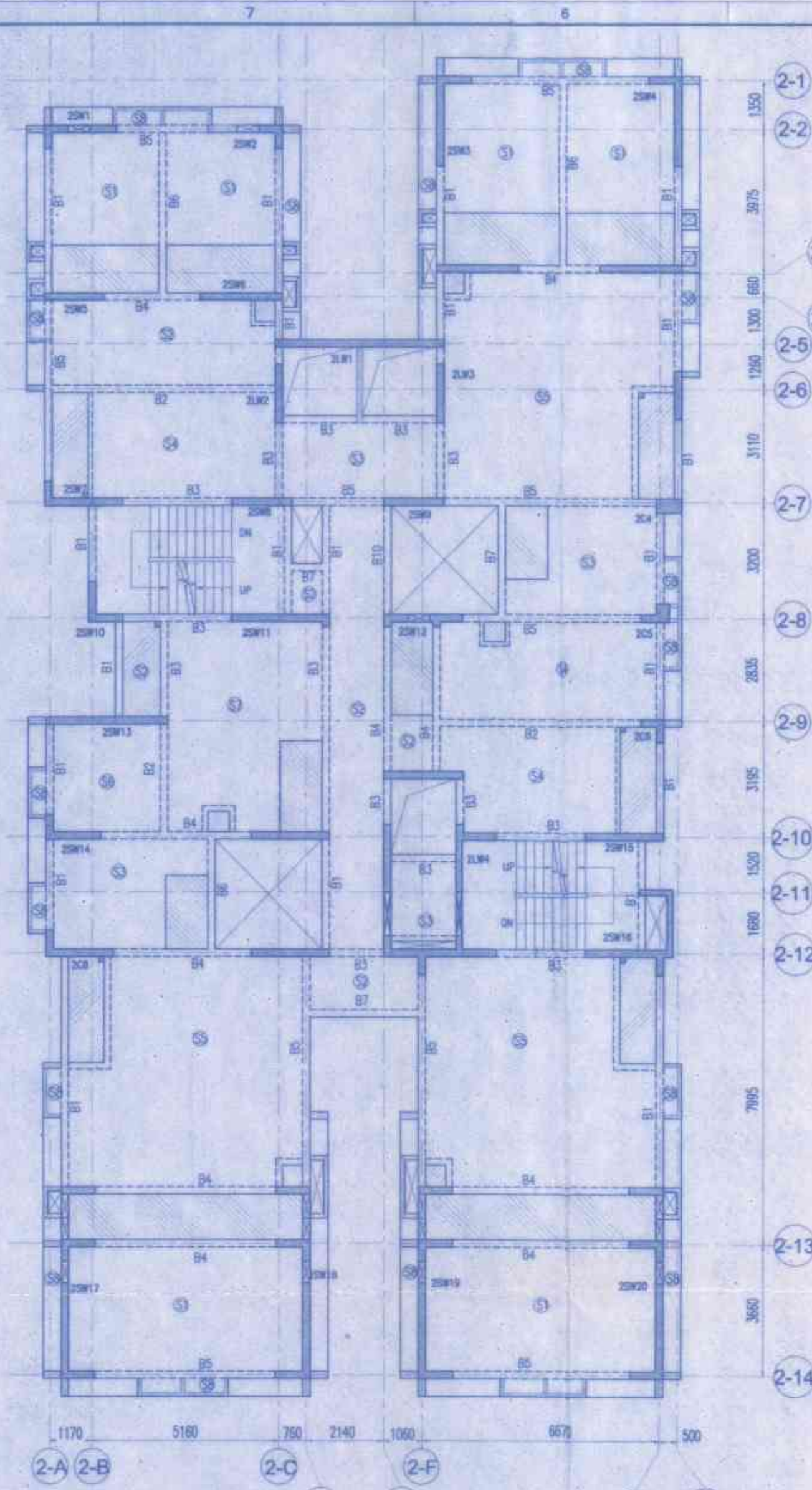
SLAB MKD.	SLAB THK.	SLAB REINF.				DIST.
		SHORTER DIR. SUPPORT	MID SPAN	LONGER DIR. SUPPORT	MID SPAN	
CS1	125	8T @ 125C/C	8T @ 150C/C	8T @ 125C/C	8T @ 150C/C	8T @ 3000/C
CS2	125	10T @ 150C/C	10T @ 175C/C	8T @ 150C/C	8T @ 175C/C	8T @ 3000/C
CS3	150	10T @ 125C/C	10T @ 150C/C	8T @ 125C/C	8T @ 150C/C	8T @ 3000/C

SCHEDULE OF SHEAR WALL

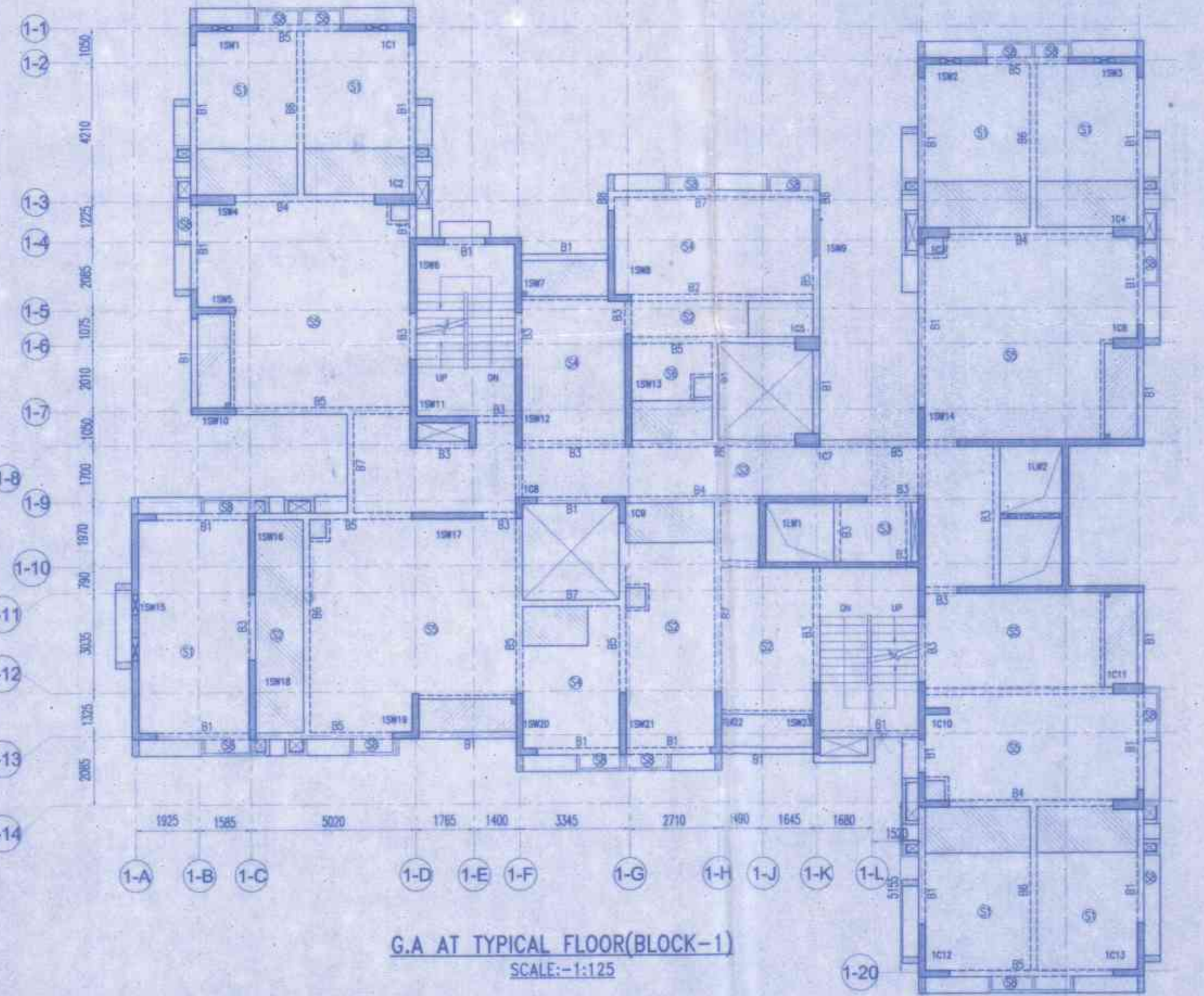
ROOF TO FOUNDATION	16-16T	30-16T
COL. SIZE	800x200	200x1700
LEVEL	CS10, CS11, CS12, CS13, CS14, CS15	CS10, CS11



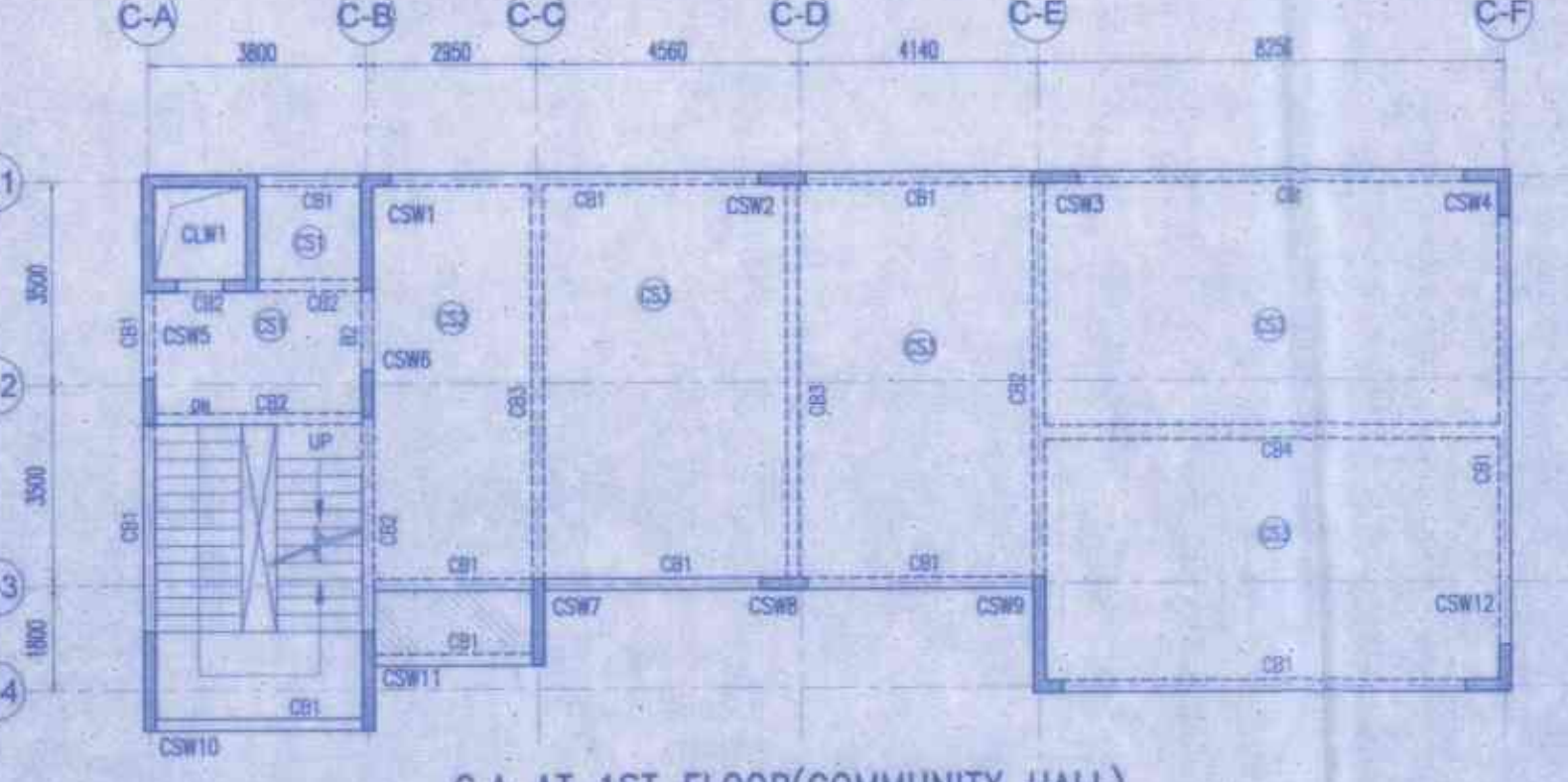
G.A AT TYPICAL FLOOR (BLOCK-3)
 SCALE:-1:125



G.A AT TYPICAL FLOOR (BLOCK-2)
 SCALE:-1:125



G.A AT TYPICAL FLOOR (BLOCK-1)
 SCALE:-1:125



G.A AT 1ST FLOOR (COMMUNITY HALL)
 SCALE:-1:125

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Handwritten notes at the top of the page, including the number '10' and some illegible scribbles.

G.A. of the plan (15)

367 Date: 21 DEC 2021
The plan has been sanctioned subject to rules & the condition that Notice of commencement of work and certificate of completion/occupancy should be submitted to the municipality within one month of commencement and completion as per Rule 21 of the W.B.M. Act, 2007 as amended. This sanction shall remain valid for three years from the date sanction

Signature
21/12/21
Sub Assistant Engineer
Panihati Municipality

Signature
Asst. Engineer
Panihati Municipality

SANCTIONED
Signature
Executive Officer 21 DEC 2021
Panihati Municipality