

COLUMN SCHEDULE
GRADE OF CONCRETE - M25

ABOVE FIFTH FLOOR LEVEL	8-20 # + 6-16 #	14-20 #	8-20 # + 6-16 #	12-16 #	8-20 # + 12-16 #	10-20 #	20-16 #	24-20 #
THIRD TO FIFTH FLOOR LEVEL	12-20 #	4-20 # + 10-20 #	14-20 #	4-20 # + 8-16 #	18-20 #	8-20 # + 12-20 #	10-20 #	12-20 #
FIFTH TO THIRD FLOOR LEVEL	8-20 # + 6-20 #	8-20 # + 6-20 #	4-20 # + 8-20 #	8-20 # + 6-20 #	8-20 # + 12-20 #	10-20 #	10-20 #	12-20 #
FOUNDATION TO FIRST FLOOR LEVEL	12-20 #	14-20 #	8-20 # + 6-20 #	12-20 #	12-20 #	18-20 #	14-20 # + 6-20 #	4-20 # + 4-16 #
LINK	8 # 150 C/C							
SIZE	250x750	250x750	250x750	250x600	250x600	300x200	300x200	250x500
COLLUMN MARKED	C1	C2	C3	C4	C5	C6	C7	C8

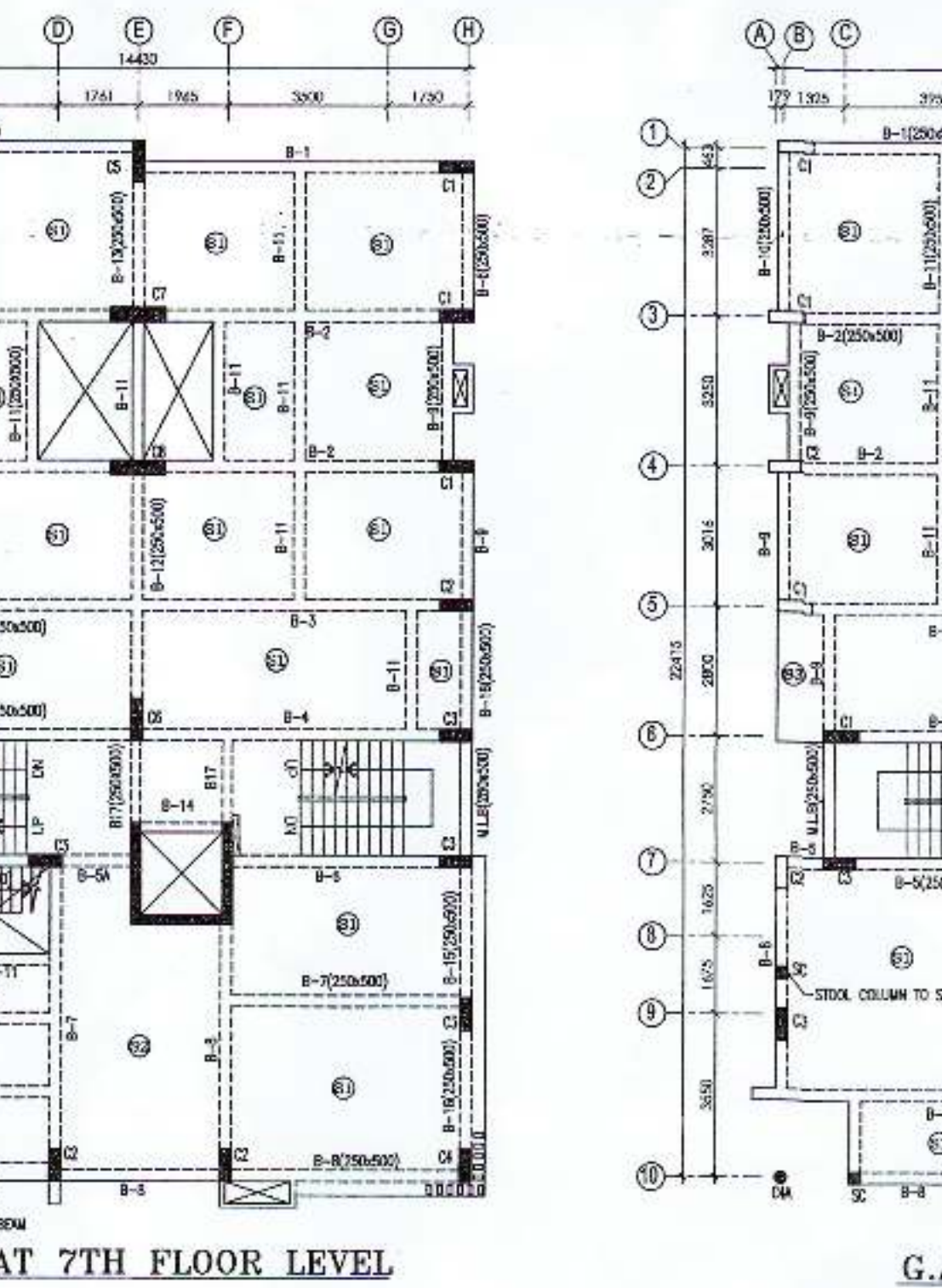
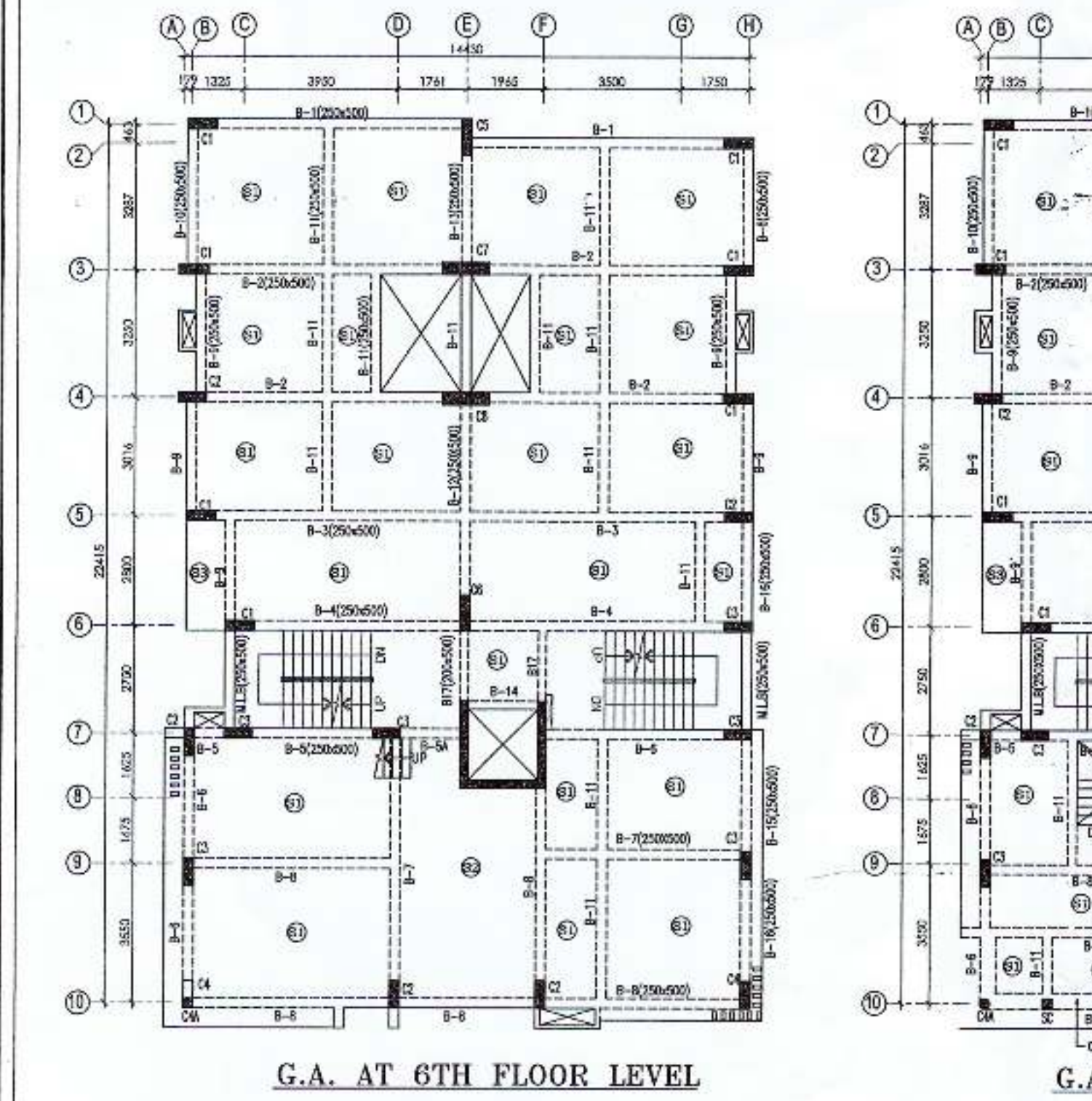
BEAM SCHEDULE
GRADE OF CONCRETE - M25

SL. NO.	BEAM MARKED	BEAM SIZE	SUPPORT		SPAN		STIRRUPS	
			TOP	BOTTOM	TOP	BOTTOM	SIZE	SPACING
1	B-1	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
2	B-2	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
3	B-3	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
4	B-4	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
5	B-5	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
6	B-6	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
7	B-7	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
8	B-8	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
9	B-9	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
10	B-10	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
11	B-11	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
12	B-12	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
13	B-13	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
14	B-14	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
15	B-15	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
16	B-16	250	2-20 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
17	B-17	200	2-16 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
18	B-18	200	2-16 #	2-16 #	2-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C

NOTES:-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- SUPER STRUCTURE: SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- GRADE OF CONC. M-25, OTHERWISE MENTIONED.
- ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
- FOR STEEL GRADE F_y 500 AS PER IS 1786-1973.
- LAPS, SPACES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
- FOUNDATION & PLINTH: BRICKWORK IN FOUNDATION AND PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- ALL DISTRIBUTION BARS ARE 8 TOR @ 200 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- ALL SPACER BARS ARE 25 TOR @ 200 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION	50	50	50
b. COLUMN	25	25	25
c. FLOOR BEAM	25	25	25
d. THE BEAM	25	25	25
e. FLOOR SLAB	20	20	20
- THE FILE CAPACITY HAS BEEN TENTATIVELY TAKEN AS 400TON. IT IS SUBJECT TO CONVERSION AFTER INITIAL LOAD TEST ON PILE.



BEAM SCHEDULE (1ST FLOOR)
GRADE OF CONCRETE - M25

SL. NO.	BEAM MARKED	BEAM SIZE	SUPPORT		SPAN		STIRRUPS	
			TOP	BOTTOM	TOP	BOTTOM	SIZE	SPACING
1	18-1	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
2	18-2	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
3	18-3	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
4	18-4	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
5	18-5	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
6	18-6	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
7	18-7	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
8	18-8	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
9	18-9	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
10	18-10	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
11	18-11	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
12	18-12	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
13	18-13	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
14	18-14	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
15	18-15	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
16	18-16	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
17	18-17	250	2-20 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C
18	18-18	200	2-16 #	2-16 #	3-20 #	2-16 #	2-8 # 150 C/C	2-8 # 150 C/C

SLAB SCHEDULE
GRADE OF CONCRETE - M25

SL. NO.	SLAB MARKED	THICKNESS	SHORTER DIRECTION		LONGER DIRECTION	
			SUPPORT	TOP	SUPPORT	TOP
1	S1	115	8 # 200 C/C	8 # 200 C/C	8 # 200 C/C	8 # 200 C/C
2	S2	125	8 # 175 C/C	8 # 150 C/C	8 # 200 C/C	8 # 175 C/C
3	S3	125	8 # 150 C/C	8 # 200 C/C	8 # 200 C/C	8 # 200 C/C

PILE-CAP SCHEDULE
GRADE OF CONCRETE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
1P	800x800	800	10 # 150 C/C (T)	10 # 150 C/C (B)
2P	AS PER DWD	800	12 # 150 C/C (T)	10 # 150 C/C (B)
3P	2300x2300	500	12 # 150 C/C (T)	12 # 150 C/C (B)
4P	2300x3300	1050	12 # 150 C/C (T)	12 # 150 C/C (B)
5P	2300x3800	1250	12 # 150 C/C (T)	12 # 150 C/C (B)
6P	2300x3800	1250	12 # 150 C/C (T)	12 # 150 C/C (B)
7P	5400x900	1600	12 # 150 C/C (T)	12 # 150 C/C (B)
8P	3800x3800	1500	12 # 150 C/C (T)	12 # 150 C/C (B)
17P	5400x900	1600	12 # 150 C/C (T)	12 # 150 C/C (B)
24P	5300x3500	1600	12 # 150 C/C (T)	12 # 150 C/C (B)

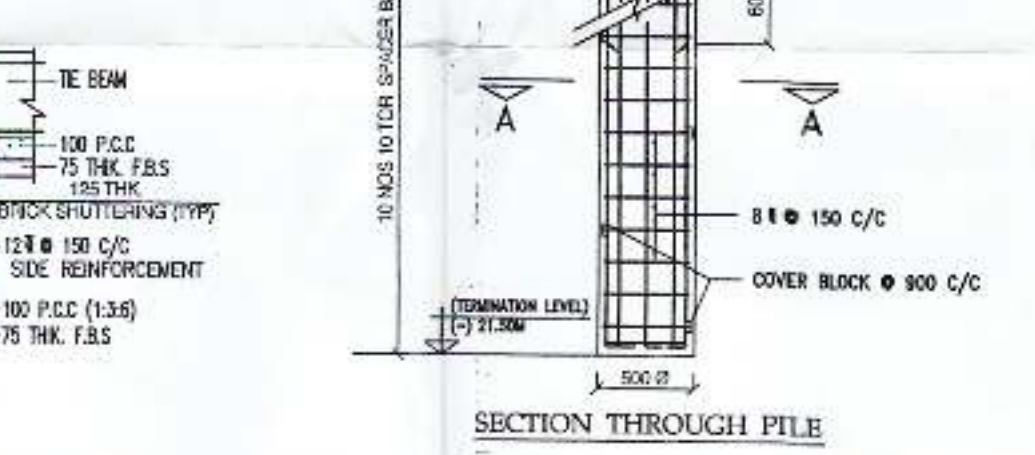
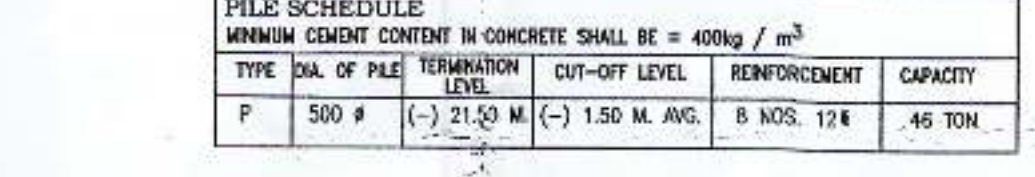
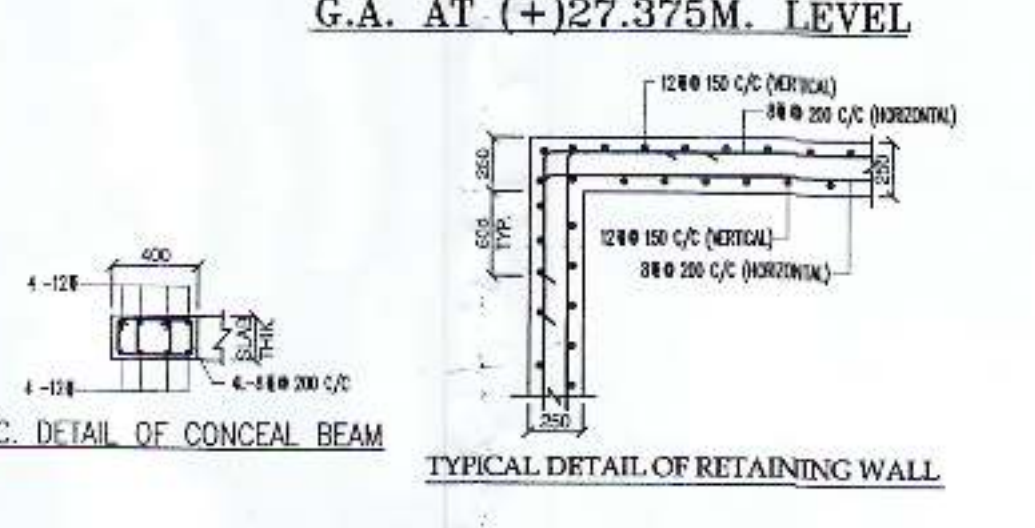
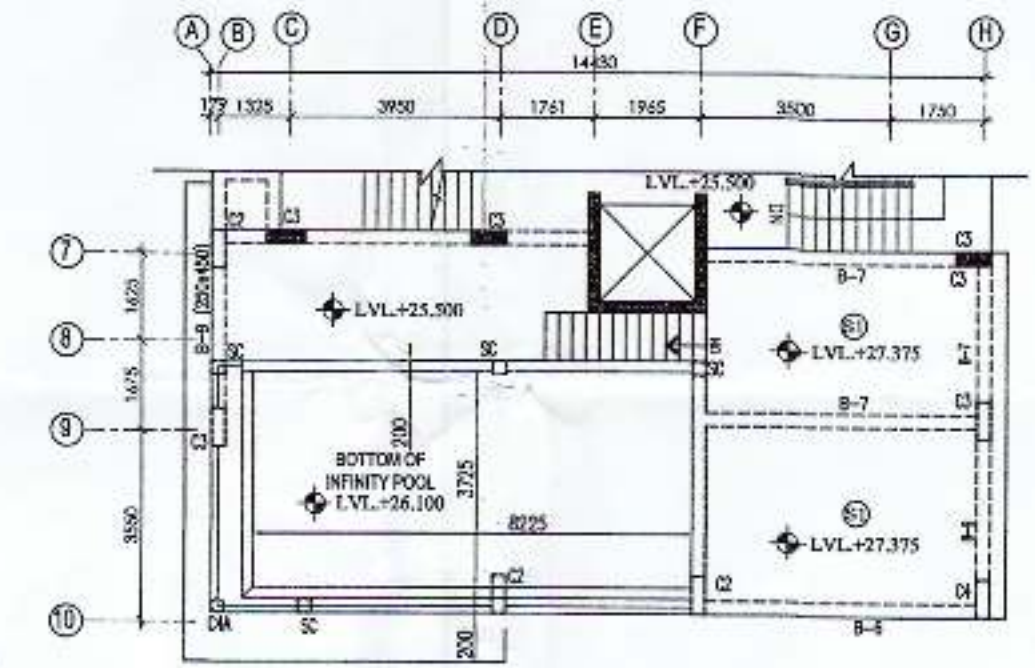
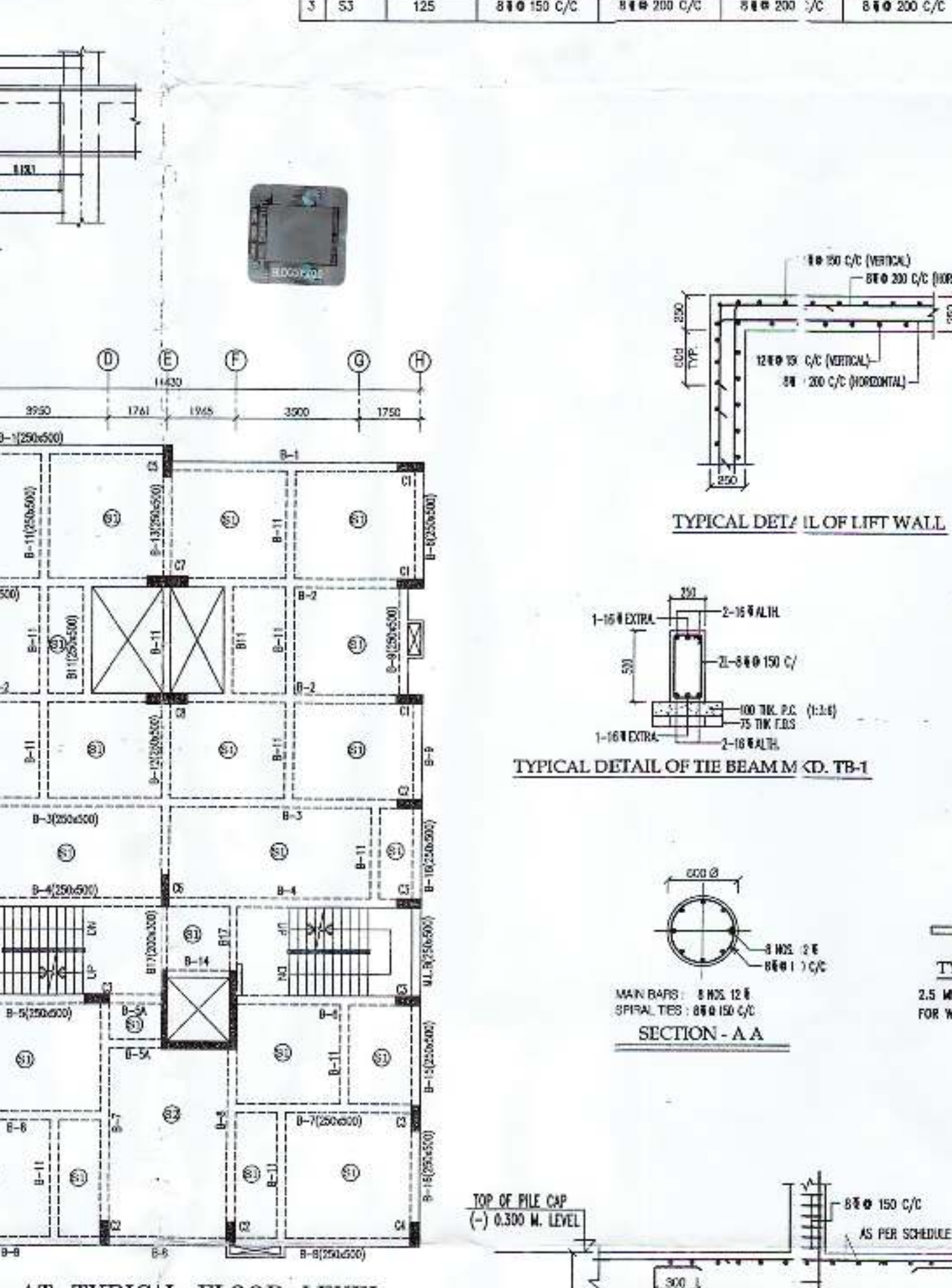
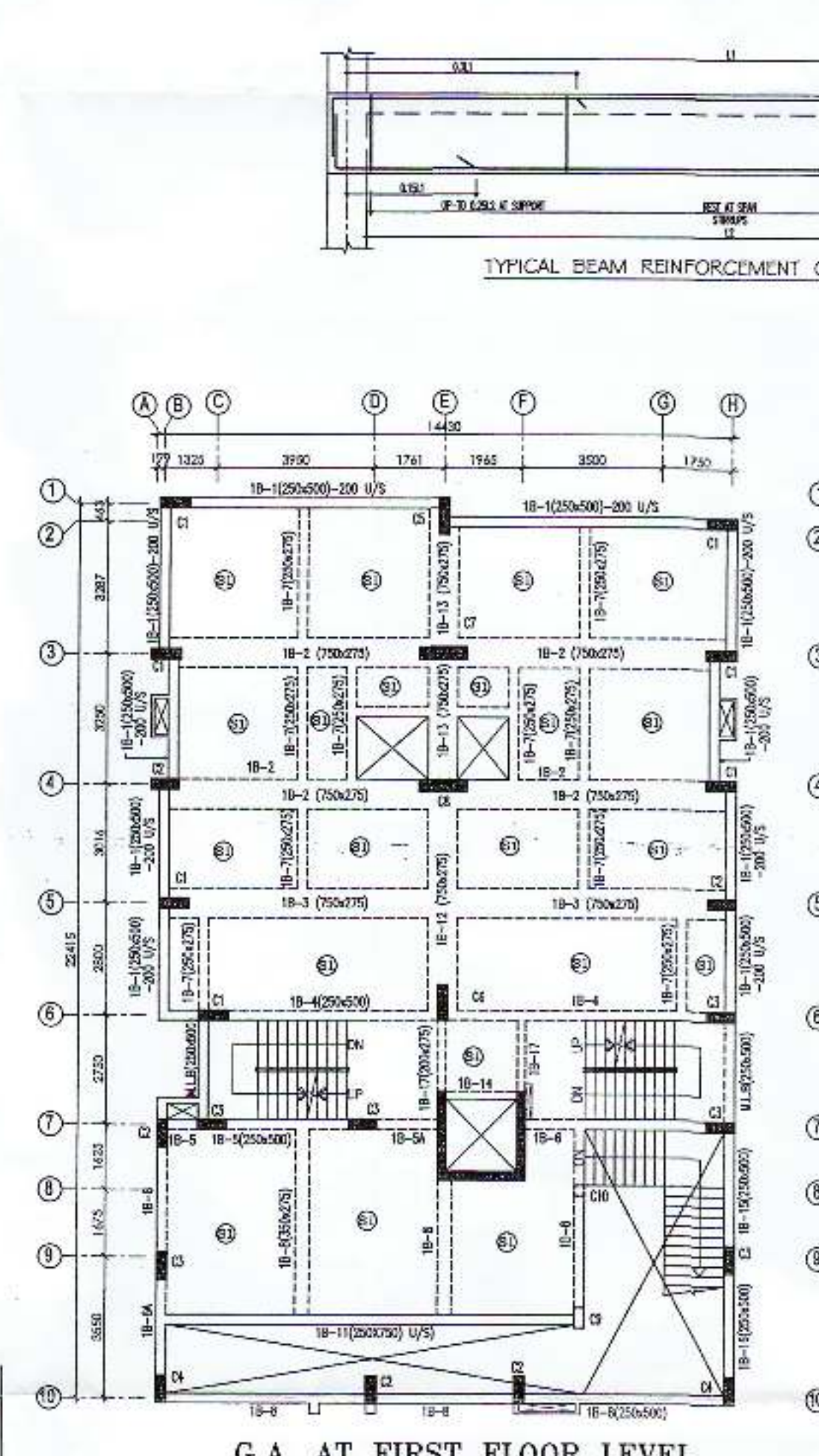
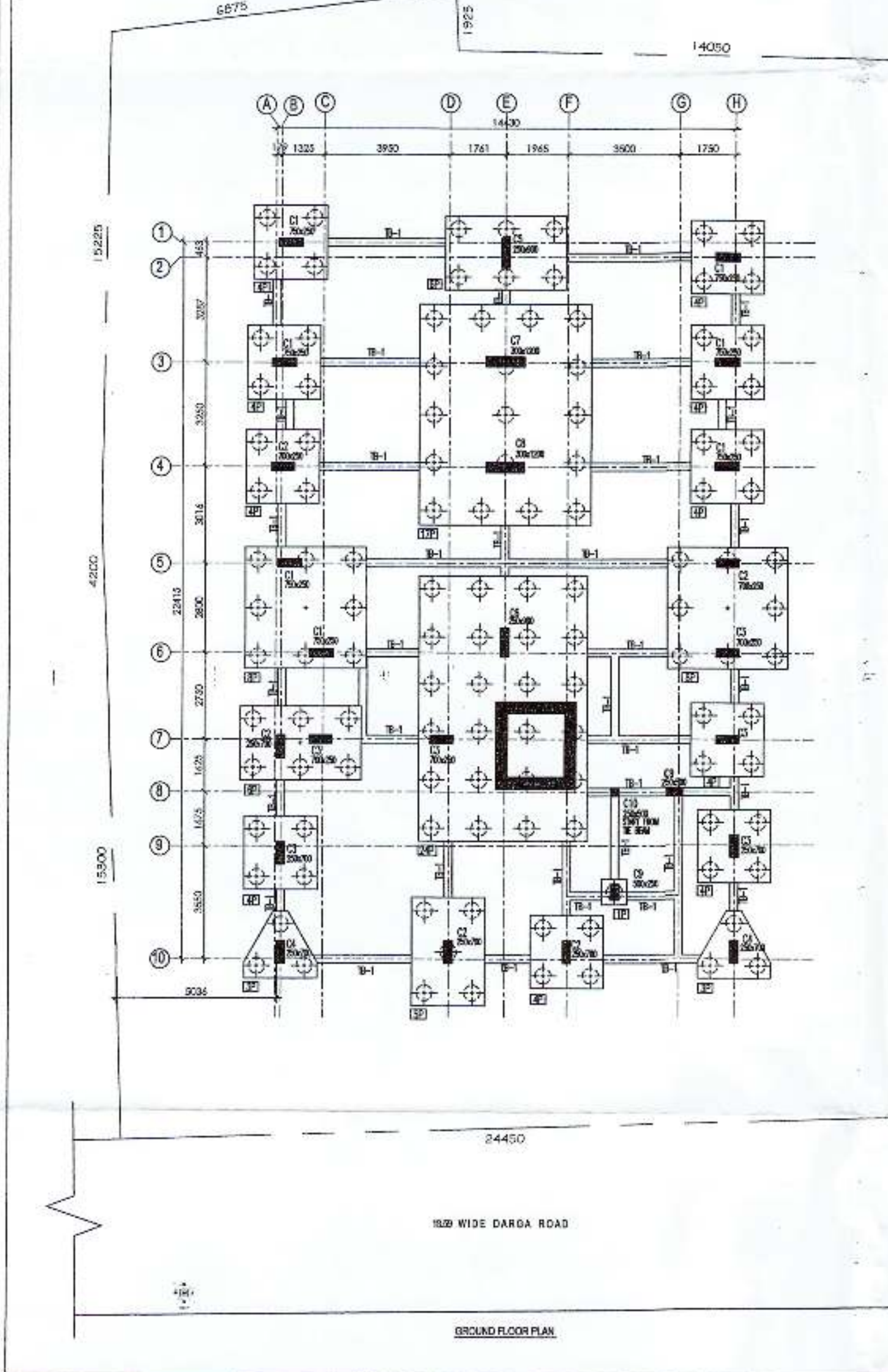
CERTIFICATE OF STRUCTURAL ENGINEER.

THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPERSTRUCTURE 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.

Soma Kazi
Soma Kazi
E.S.E. 1-271
Kolkata Municipal Corporation

Prajanta Kumar Ghosh
Prajanta Kumar Ghosh
Geotechnical Engineer
LICENSED NO. 61960

Mr. Soma Kazi
SIGNATURE OF STRUCTURAL ENGINEER.



CERTIFICATE OF ARCHITECT.

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PER THE PROVISION OF K.M.C. RULE, 1990 ARRANGED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP-TANK.

Andam Ghosh
Andam Ghosh
CA / 2007 / 41093

Mr. Andam Ghosh
SIGNATURE OF ARCHITECT.

REVISION

REV. NO.	DATE	DESCRIPTION

PROJECT:
PROPOSED GROUND+18 STORED RESIDENTIAL BUILDING PLAN (BT: 25.5 M) AT PLOT NO. 25C, DARGA ROAD, WARD-64, KOLKATA - 700017 (HOW R.M.P.W. AS 031 54/HE/ME/25) PREPARED UNDER SECTION 393A OF K.M.C. ACT 1990 AND BUILDING RULES 2009.

PROJECT ARCHITECTS:
GEOMETRICS
ARCHITECTURE & INTERIORS

STRUCTURAL ENGINEER:
POSEIDON ENGINEERING SERVICES
32, PANDITRA ROAD
KOLKATA - 700009
E-Mail: somakazi@poseidon.co.in

TITLE:
STRUCTURAL DRAWING

DRAWN BY: SUKANTA DATE: 06.09.2018 SHEET NO.: 01
CHECKED BY: SOMA KAZI SCALE: 1:100, 1:25 REVISION: 0
JOB NO.: 2016 / 10 / GEOMETRICS / INVENT
DRG. NO.: 2016 / 10 / GEOMETRICS / INVENT / CS 01
STATUS: TENDER APPROVAL CORP.