

COLUMN NO.	COLUMN SIZE	2ND FLOOR TO 3RD FLOOR		3RD FLOOR TO 4TH FLOOR		4TH FLOOR TO 5TH FLOOR		5TH FLOOR TO 6TH FLOOR		6TH FLOOR TO 7TH FLOOR		7TH FLOOR TO 8TH FLOOR		8TH FLOOR TO 9TH FLOOR	
		NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)	NO. OF PILES	PILE DIA. (MM)
C1	400 X 400	20-25E	250	20-25E	250	20-25E	250	20-25E	250	20-25E	250	20-25E	250	20-25E	250
C2	400 X 400	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C3	400 X 400	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C4	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C5	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C6	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C7	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C8	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C9	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C10	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C11	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C12	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C13	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200
C14	300 X 300	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200	20-25E	200
C15	300 X 300	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200	24-30E	200

SCHEDULE OF PILE CAP

PILE No. / M.D.	SIZE	DEPTH	CONTR. SUPP.	DISCONT. SUPP.	STAIRUPS
1	IP	9000	800	12@125 C/C	8@200 C/C
2	4P	2200 X 300	12@75 C/C	12@75 C/C	8@200 C/C
3	4P	AS PER D.W.G.	12@75 C/C	12@75 C/C	8@200 C/C
4	4P	AS PER D.W.G.	12@90 C/C	12@90 C/C	8@200 C/C
5	4P	AS PER D.W.G.	12@75 C/C	12@75 C/C	8@200 C/C
6	5P	2200 X 400	10@90 C/C	12@90 C/C	8@200 C/C
7	6P	4900 X 300	12@75 C/C	12@75 C/C	8@200 C/C
8	8P	4900 X 400	10@75 C/C	12@75 C/C	8@200 C/C
9	11P	AS PER D.W.G.	12@75 C/C	12@75 C/C	8@200 C/C
10	13P	AS PER D.W.G.	12@75 C/C	12@75 C/C	8@200 C/C
11	30P	4500 X 400	10@75 C/C	12@75 C/C	8@200 C/C

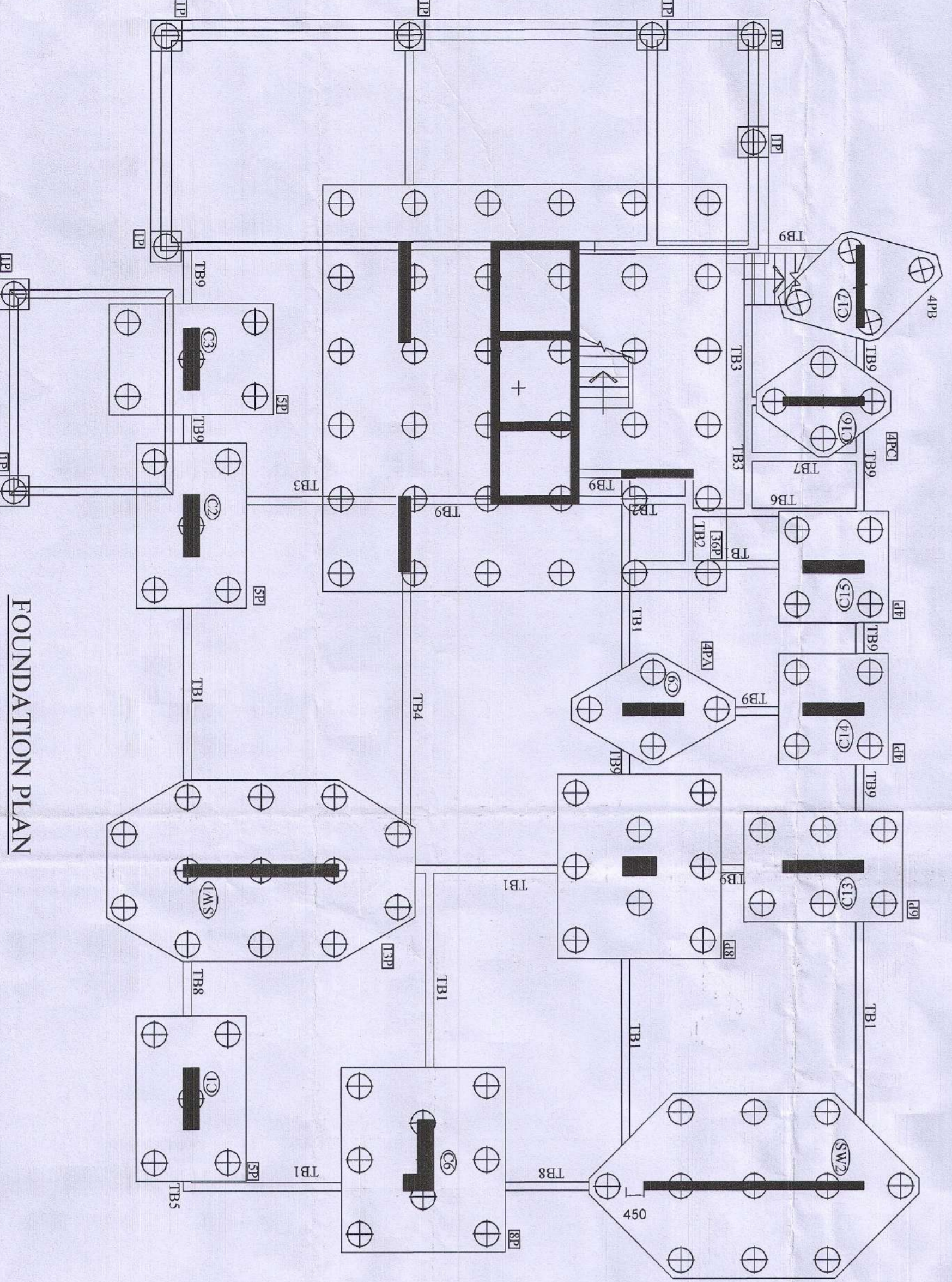
BEAM M.D.	SIZE	TOP SUPP.	SPAN	DISCONT. SUPP.	STAIRUPS
B1	400 X 600	4-16	8-16	ALL THROUGH	10@4-D @100 C/C
B2	600 X 600	8-16	8-16	ALL THROUGH	10@4-D @100 C/C
B3	800 X 600	8-16	8-16	ALL THROUGH	10@4-D @100 C/C

SCHEDULE OF THE BEAM

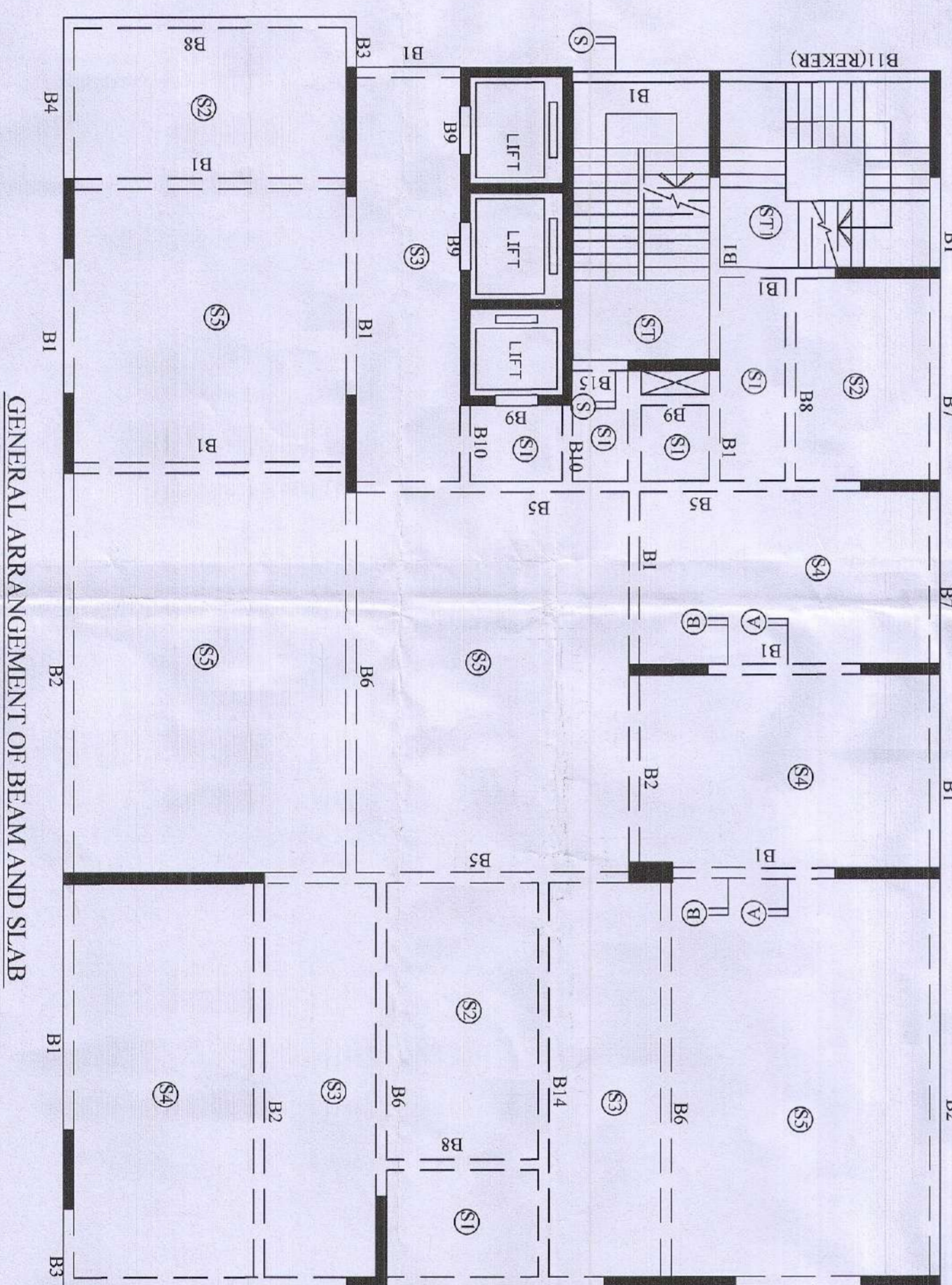
SLAB M.D.	THICKNESS	TOP SUPP.	SPAN	DISCONT. SUPP.	STAIRUPS
T1	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T2	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T3	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T4	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T5	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T6	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T7	200	2-12E	2-12E	2-12E	8@21 @100 C/C
T8	200	2-12E	2-12E	2-12E	8@21 @100 C/C

SCHEDULE OF SLAB

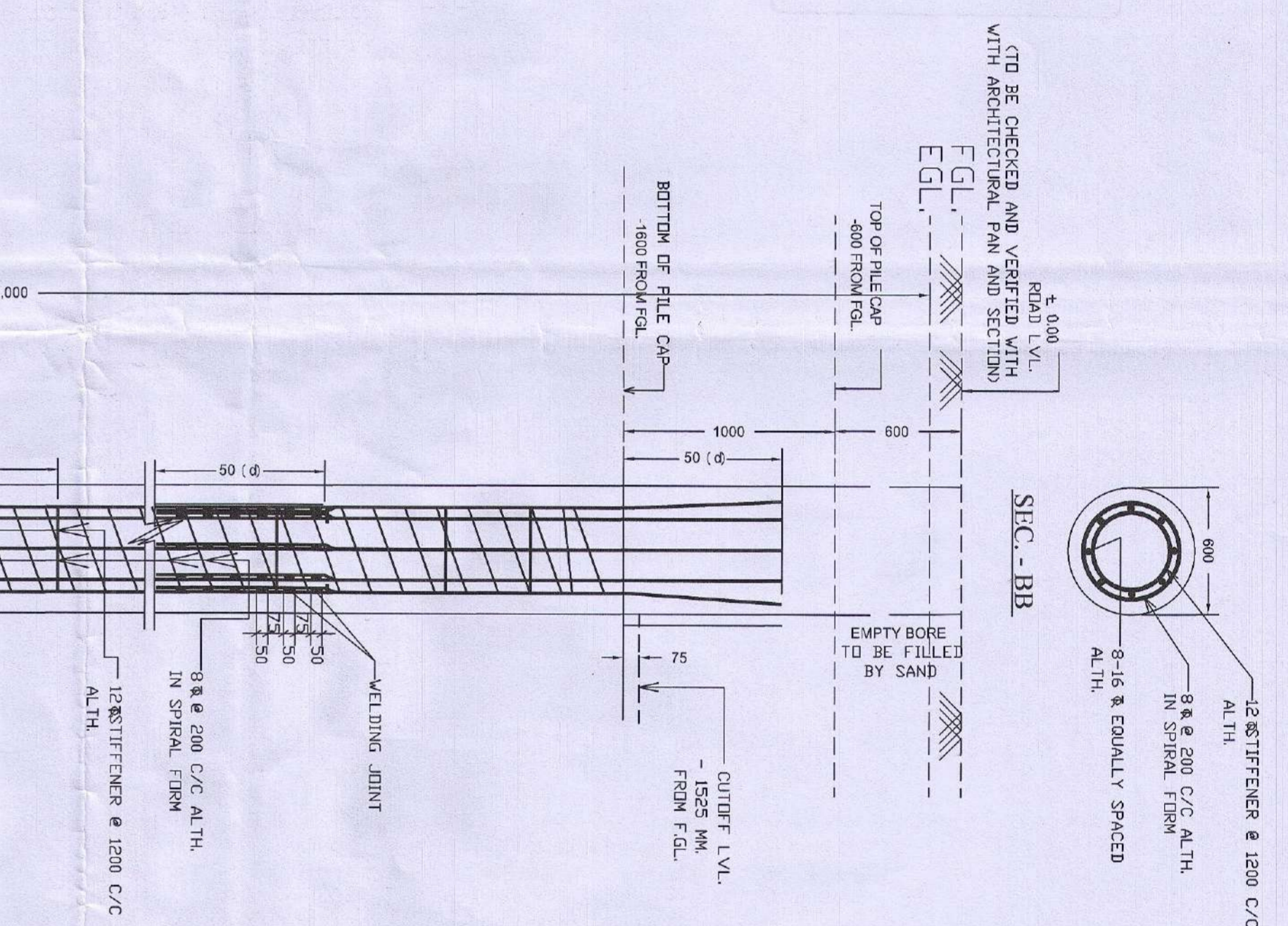
SLAB M.D.	THICKNESS	TOP SUPP.	SPAN	DISCONT. SUPP.	STAIRUPS
S1	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S2	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S3	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S4	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S5	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S6	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S7	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S8	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S9	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S10	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S11	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S12	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S13	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S14	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C
S15	150	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C	8@21 @100 C/C



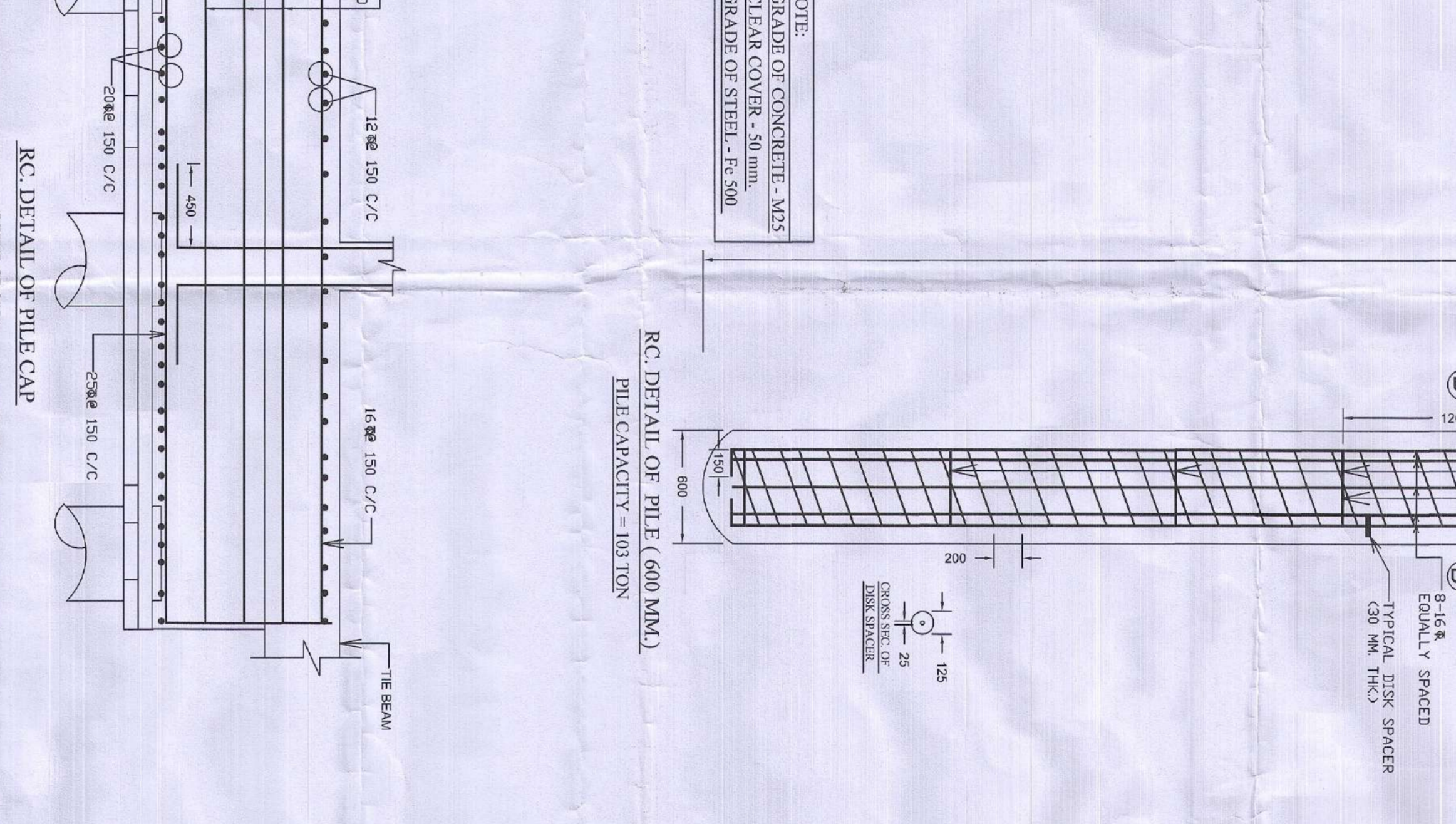
FOUNDATION PLAN



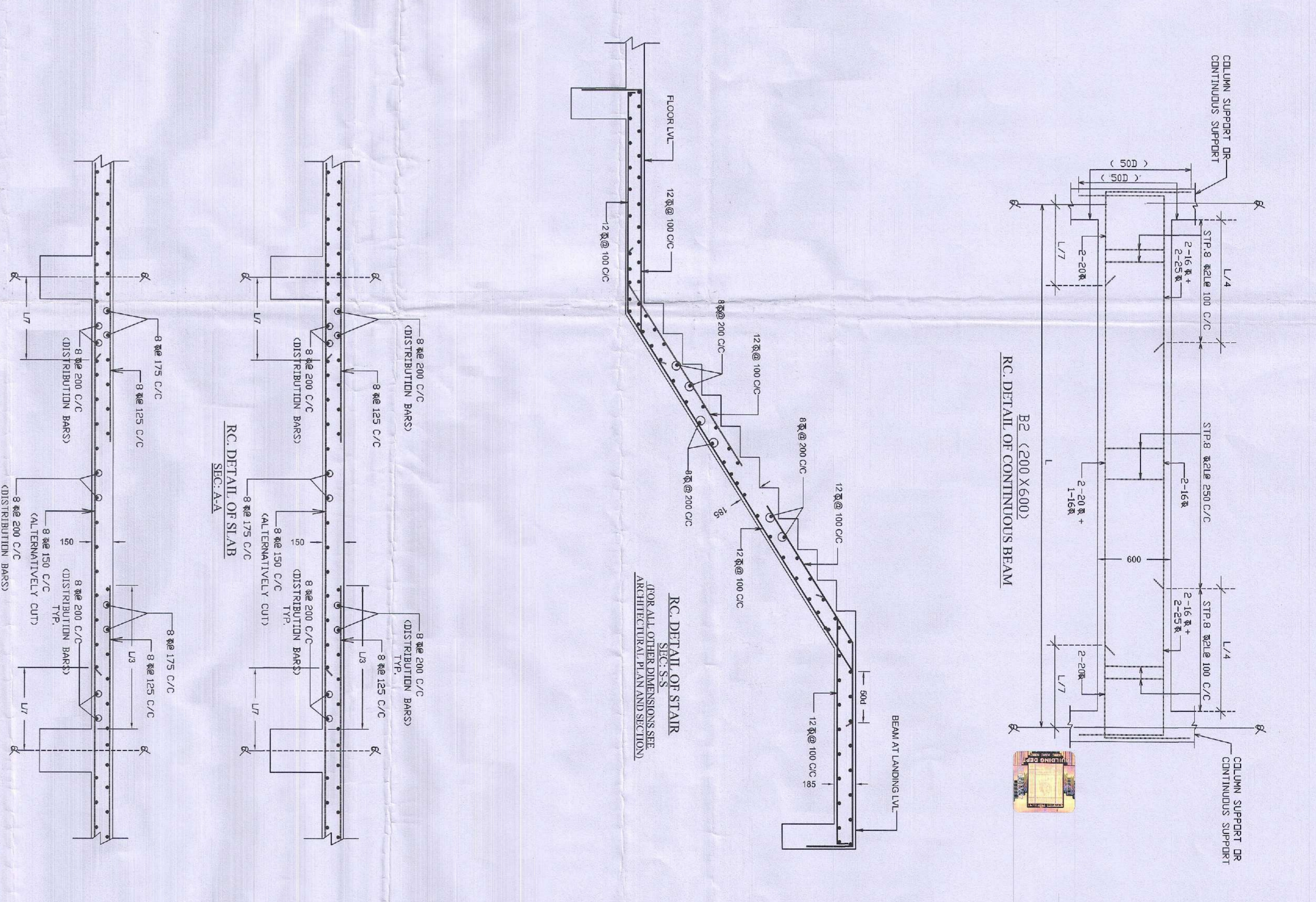
GENERAL ARRANGEMENT OF BEAM AND SLAB



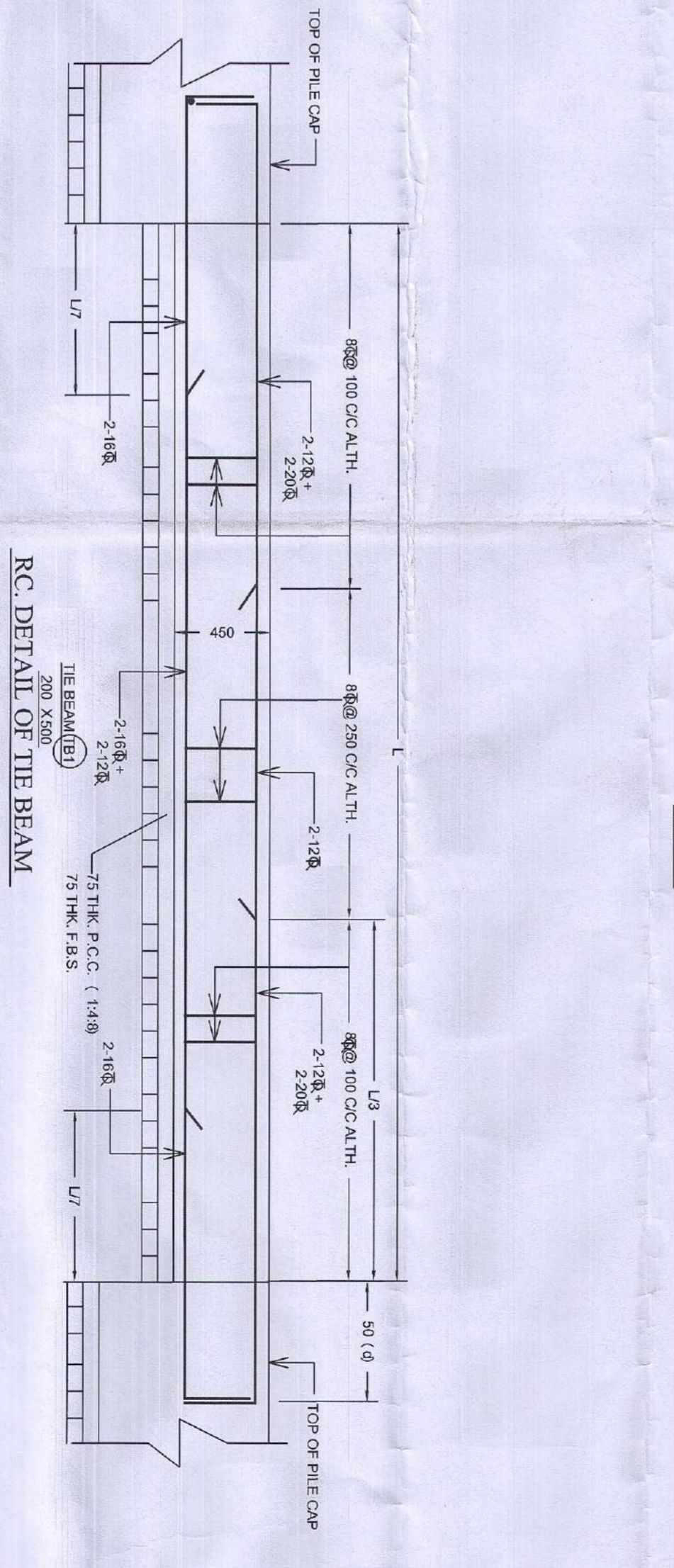
SECTIONAL VIEW OF PILE CAP AND BEAM



RC DETAIL OF PILE CAP



RC DETAIL OF CONTINUOUS BEAM



RC DETAIL OF THE BEAM

NOTE :
 1. ALL DIMENSIONS ARE IN MILLIMETERS.
 2. GRADE OF CONCRETE FOR THE TOTAL PROJECT (IE PILING WORK, FOUNDATION AND SUPER STRUCTURE) WILL BE M30.
 3. COVER OF STEEL - Fe 500
 4. COVER TO REINFORCEMENTS
 CLEAR COVER FOR PILE CAP = 65 MM
 CLEAR COVER FOR BEAM = 40 MM
 CLEAR COVER FOR ALL RC WALL = 30 MM
 5. LAPS TO BE 50D
 6. ALL THE BARS SHOULD NOT BE LAPPED IN SAME LOCATION BUT SHOULD BE IN A STAGGERED WAY
 7. LAPPING JOINT SHALL BE AVOIDED AT MAX. MOMENT & SHEAR ZONE AND AS PER DISCRETION OF ENGINEER IN CHARGE & SHOULD BE STAGGERED.

NOTE FOR SUPERSTRUCTURE :
 1. CONCRETE MIX TO BE USED IN TOTAL R.C. WORK (BOTH FOUNDATION AND SUPERSTRUCTURE)-M30
 2. GRADE OF STEEL - Fe 500
 3. COVER TO REINFORCEMENTS :
 40mm FOR COLUMN
 25mm FOR BEAM
 15mm FOR SLAB
 4. LAPS OF BAR TO BE 50D
 5. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS FOR ALL OTHER DIMENSIONS BEFORE CONSTRUCTION.

UNDERGOING HAS INSPECTED THE SITE CARRIED OUT THE SOIL INVESTIGATION AND THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED THEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

SIGNATURE OF GEO-TECHNICAL ENGINEER :

Pankaj Kumar Datta
 BRHILLITO INDIAN

FOR AND ON BEHALF OF

 Chandri Prasad Khanra
 CHANDRI PROSAD KHANRA
 REG. NO. ESE 1/2

SIGNATURE OF OWNER :

THE STRUCTURAL DESIGN 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 THIS IS SAFE AND STABLE IN ALL RESPECTS.

SIGNATURE OF STRUCTURAL ENGINEER :

THE BUILDING HAS BEEN DRAWN UP AS PER THE PROVISION OF THE I.M.C. BUILDING RULES 2009 AND THAT THE SITE CONDITIONS INCLUDING THE NATURE OF SITE AND NOT A LACK OR FILLED UP LAKE. THE PLOTS LIVING VACANT IN MAJOR PORTION AND DEMARCATED BY BRICK BUILT BOUNDARY WALL.

SIGNATURE OF ARCHITECT :

PROJECT	PROPOSED G+X UNIT-29/35 MFL'S STORED RESIDENTIAL AT PREMISES NO. 4 HASTINGS PARK ROAD, BOKROUGHA, WARD-7, KOLKATA-700027 (UNDER KOLKATA MUNICIPAL CORPORATION)
JOB NO.	FOUNDATION PLAN WITH RETINORCEMENT
DATE OF ISSUE	OF FOUNDATION AND COLUMN, GENERAL ARRANGEMENT OF BEAM AND SLAB WITH RETINORCEMENT
REV. NO.	REVISIONS
SCALE	AS PER D.W.G.
DATE	11/01/24
PREPARED BY	CAL (22/07/2020)
CHECKED BY	
DATE	

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