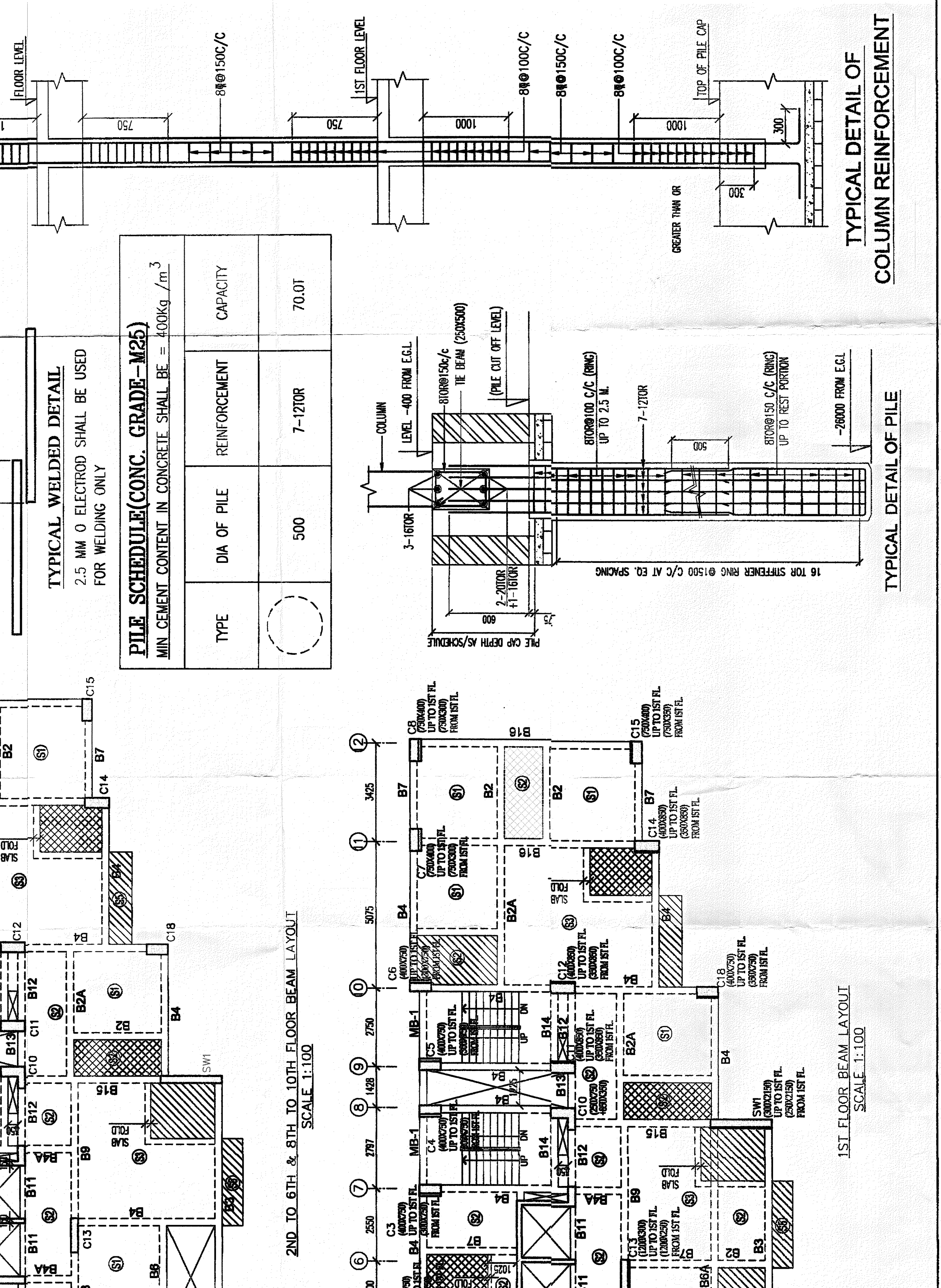
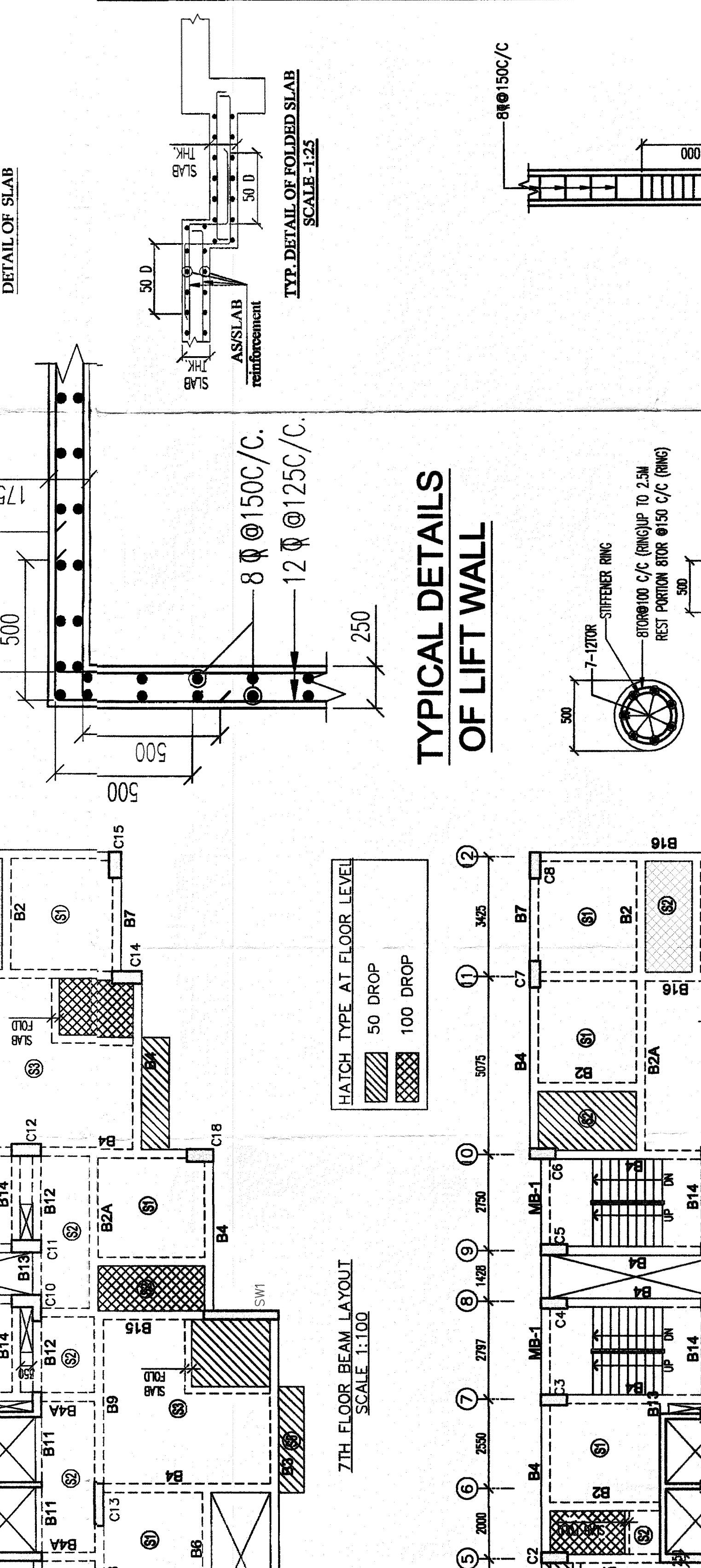
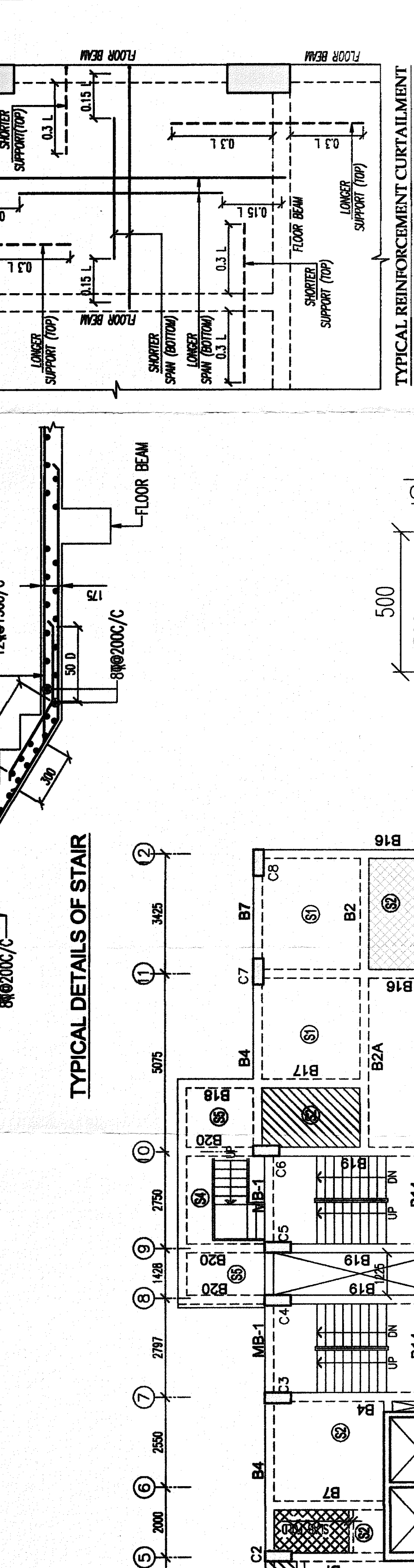
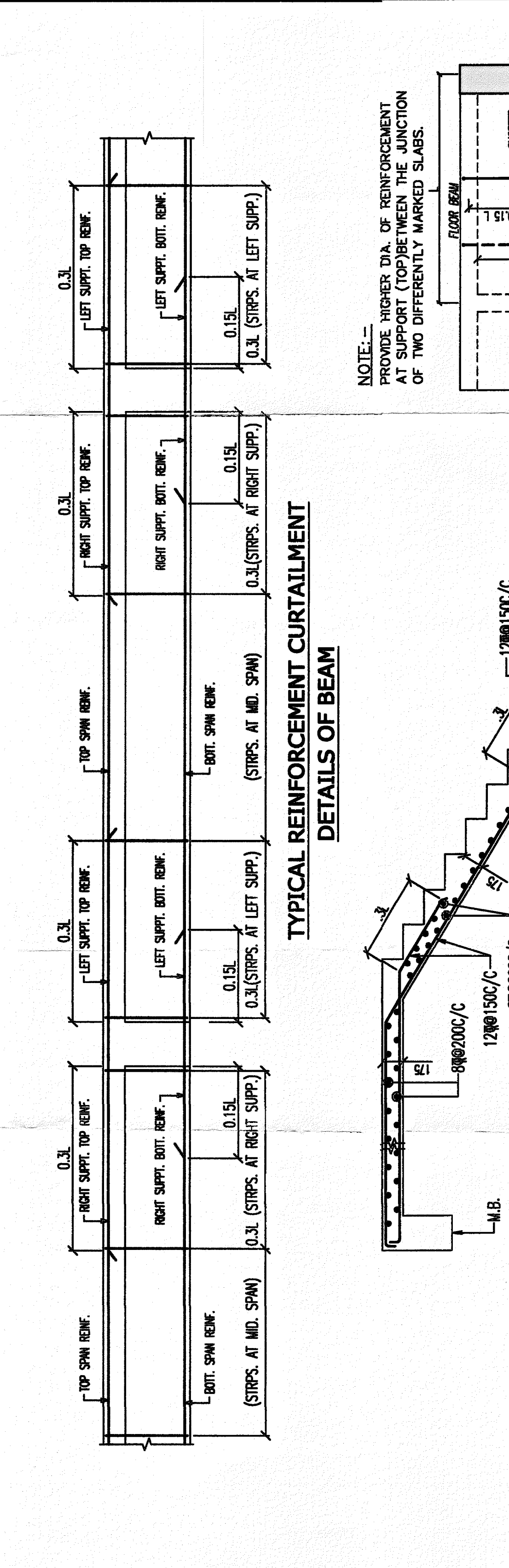


NOTES:
 1. ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE MENTIONED.
 2. SUPER STRUCTURE: SUPER STRUCTURE SHALL BE OF AAC BLOCK ONLY.
 3. ALL GRADE OF CONCRETE M25 UNLESS OTHERWISE SPECIFIED.
 4. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
 5. FOR STEEL GRADE Fy 500 AS PER IS 1786-2008.
 6. LAPS, SPACES & BEND LENGTH SHOULD BE 50 D WHERE 'D' IS THE LARGEST BAR DIA.
 7. FOUNDATION & PILING: BROWWORK IN FOUNDATION & PILING 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	30	30	40
c. TIE BEAM	30	30	30
d. FLOOR BEAM	30	30	30
e. FLOOR SLAB	20	20	20
f. PILE CAP	50	50	75

CERTIFICATE OF STRUCTURAL ENGINEER
 I, *[Signature]*
 SANJIV J. PAREKH
 MEMBER OF THE INSTITUTE OF STRUCTURAL ENGINEERS
 REG. NO. 10010/2008
 ADDRESS: 10010/2008, 10010/2008, 10010/2008
 I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN & CONSTRUCTION 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 THAT IT IS SAFE & STABLE IN ALL RESPECTS.

PROJECT: PROPOSED G+X STORED (36.6 MT. HT.) RESIDENTIAL BUILDING AT PRE. NO. -90A, GARDEN REACH ROAD, KOLKATA-700023, WARD NO. -75, BOROUGH NO. -1X.
 ARCHITECTS: RAJ AGRAWAL & ASSOCIATES
 8B, ROYD STREET, KOLKATA-16
 STRUCTURAL ENGINEERS: S.P.A. CONSULTANTS
 34, RAM MOHAN DUTTA ROAD, KOLKATA-700023
 E-MAIL: sap@spacon.com
 CHECKED BY: MITHUN KAVAI
 SCALE: 1:100
 DATE: 26.09.2023
 DRAWN BY: MITHUN KAVAI
 SCALE: 1:100
 DATE: 26.09.2023
 PROJECT NO: SP/RAJ/2013/25
 SHEET NO: 01



COLUMN SCHEDULE - M40 UP TO 1ST FLOOR LEVEL FROM 1ST FLOOR LEVEL GRADE OF CONCRETE - M30

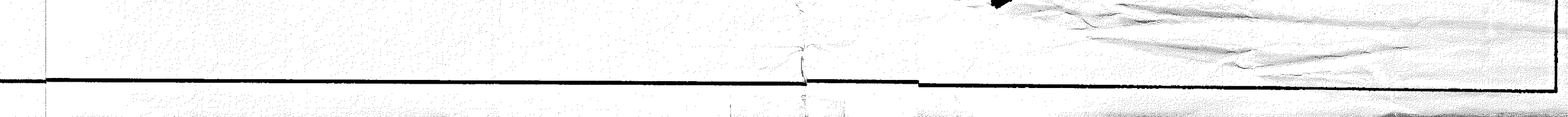
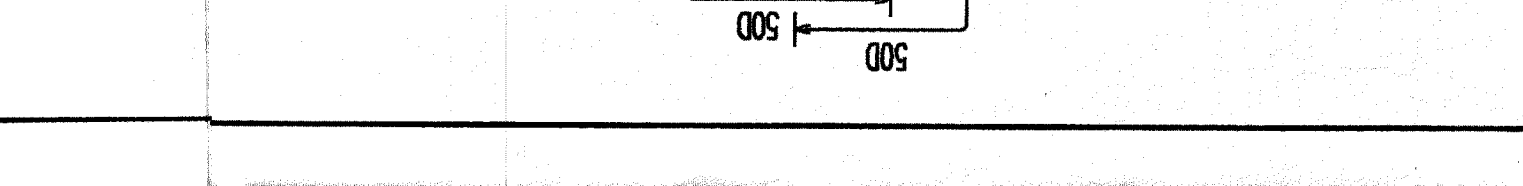
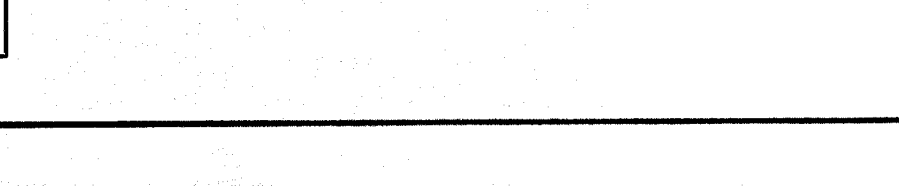
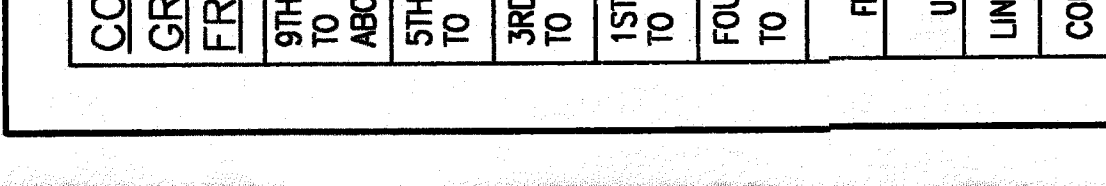
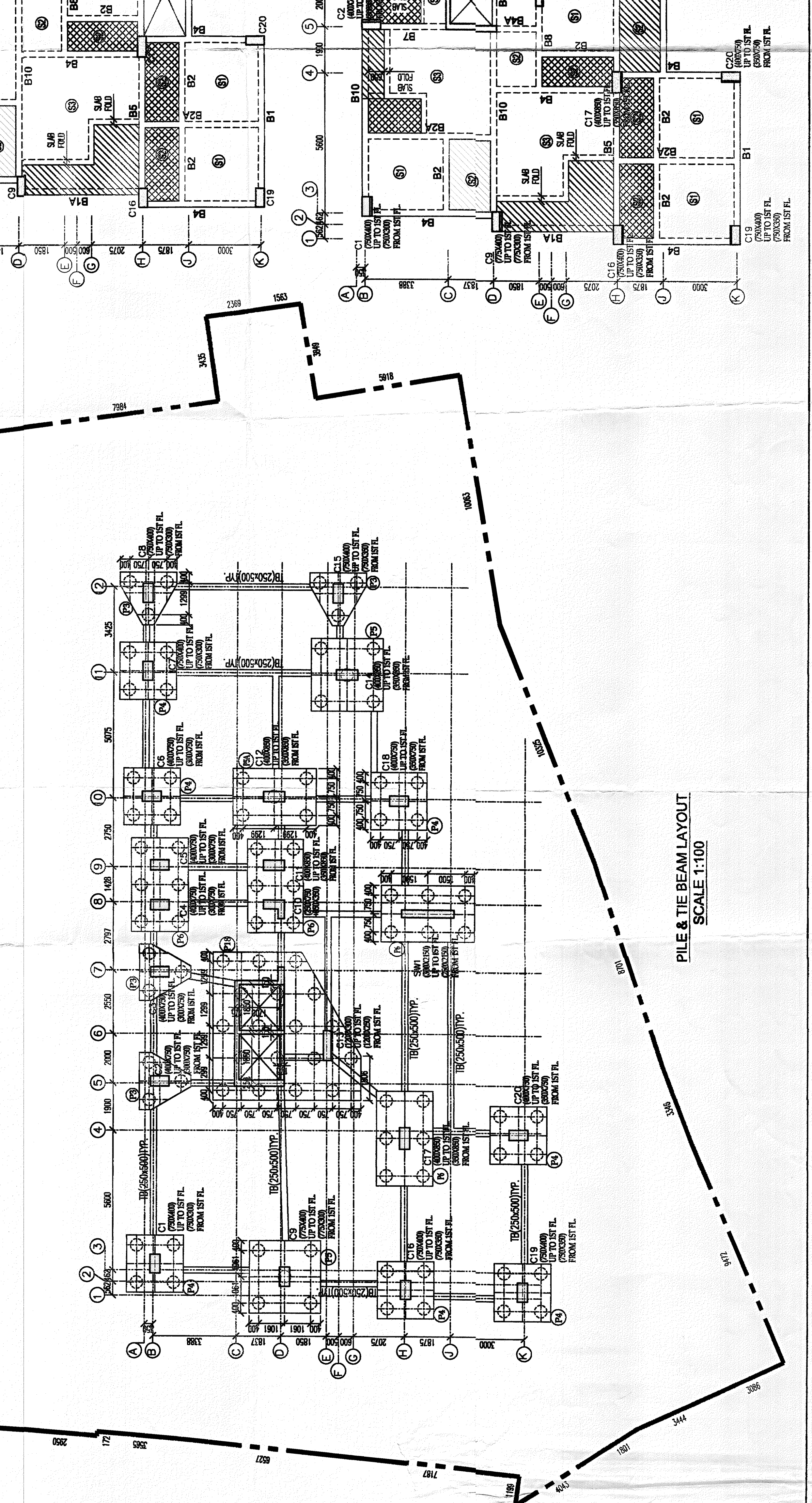
5TH FLOOR ABOVE ROOF	4TH FLOOR	3RD FLOOR	2ND FLOOR	1ST FLOOR	FOUNDATION
16-18	16-18	16-18	16-18	16-18	16-18
6-20x10-12	6-20x10-12	6-20x10-12	6-20x10-12	6-20x10-12	6-20x10-12
38.16	38.16	38.16	38.16	38.16	38.16
16-20	16-20	16-20	16-20	16-20	16-20
6-25x10-20	6-25x10-20	6-25x10-20	6-25x10-20	6-25x10-20	6-25x10-20
38.10	38.10	38.10	38.10	38.10	38.10
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
40.25	40.25	40.25	40.25	40.25	40.25
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
35.0650	35.0650	35.0650	35.0650	35.0650	35.0650
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
40.0650	40.0650	40.0650	40.0650	40.0650	40.0650
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
35.0650	35.0650	35.0650	35.0650	35.0650	35.0650
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
40.0650	40.0650	40.0650	40.0650	40.0650	40.0650
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
35.0650	35.0650	35.0650	35.0650	35.0650	35.0650
16-25	16-25	16-25	16-25	16-25	16-25
6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20	6-25x12-20
40.0650	40.0650	40.0650	40.0650	40.0650	40.0650

FLOOR SLAB SCHEDULE - M25 CONCRETE GRADE - M25

SLAB	MD. DEPTH	SHORTER SPAN	LONGER SPAN
S1	125	1800/2500/C	1800/500/C
S2	125	1800/2500/C	1800/500/C
S3	175	1800/2500/C	1800/500/C
S4	150	1800/2500/C	1800/500/C
S5	150	1800/2500/C	1800/500/C

PILE CAP SCHEDULE - M25 CONCRETE GRADE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P3	2300x300	1000	10# @150/C (T)	10# @150/C (T)
P4	2912x921	1200	10# @150/C (T)	10# @150/C (T)
P5	2300x300	1200	10# @150/C (T)	10# @150/C (T)
P6	2300x300	1200	10# @150/C (T)	10# @150/C (T)
P7	2300x300	1200	10# @150/C (T)	10# @150/C (T)
P8	2300x300	1200	10# @150/C (T)	10# @150/C (T)



STRUCTURE DRAWING
 RAJ AGRAWAL & ASSOCIATES
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