

PROJECT - BUILDING 1
PROPOSED G+7 STORED P
BUILDING AT BHUBAN CHAI
KHATIAN NO. 35, L.R. KHAT
SHEET NO. 16, WARD NO. 1
CHANDANAGAR, UNDER C
CORPORATION, DISTRICT. 1

LAND	53(P)	96, 96, 96, 99	1458
POND	49	97, 98	1678

OWNERS NAME :-
1. MR. KAUSIK PANDA, S/O: MR. DIGAMBAR PANDA
2. MR. ANSHUMAN ROY, S/O: MR. DILIP KUMAR ROY

TITLE :- STRUCTURE PLAN

DATE: 15/07/2023 DRAWN BY: R.K.
 CHECKED BY: P.K.
 DESIGNED BY: PK021
 ISSUE STATUS: STRAIGHT LINE CORPORATION

AREA STATEMENT (AS PER PHYSICAL)
 LAND AREA:- (AS PER PHYSICAL)
 AREA OF THE PLOT :- 18.10K - 12CH - 20 SQ.FT. 2058.73 SQ.MT.
 AREA OF THE POND :- 18.10K - 12CH - 0 SQ.FT. 652.18 SQ.MT / 7020 SQ.FT.
 AREA OF THE LAND :- 18.10K - 00CH - 20 SQ.FT. 1406.55 SQ.MT.
 GIFTED AREA :- 12 CH - 6 SQ.FT. 50.73 SQ.MT / 546 SQ.FT.
 REST AREA OF THE LAND :- 18.10K - 04CH - 14 SQ.FT.
 1555.83 SQ.MT / 14594 SQ.FT.

COVERED AREA :-
 GROUND FLOOR COVERED AREA :- 692.31 SQ.MT. (7452 SQ.FT.)
 TYPICAL (1ST - 7TH) FLOOR COVERED AREA :- 703.50 SQ.MT.
 (7567 SQ.FT.) EACH (RESIDENTIAL)
TOTAL COVERED AREA :- 5613.30 SQ.MT. (60421 SQ.FT.)
 SERVICE AREA AT GROUND FLOOR :- 283.38 SQ.MT. (2835 SQ.FT.)
 (INCLUDING 2 NOS. STAIR & LIFT)
 COMMERCIAL AREA AT GROUND FLOOR :- 157.59 SQ.MT. (1692 SQ.FT.)
 CAR PARKING AREA AT GROUND FLOOR :- 271.74 SQ.MT. (2923 SQ.FT.) (18 NOS.)
 2 NOS. STAIR COVER & LIFT M/C ROOM AREA :- 60.20 SQ.MT. (648 SQ.FT.)
 OFF STREET CAR PARKING AREA :- 235.50 SQ.MT. (2542 SQ.FT.) (118 NOS.)
 HEIGHT OF THE BUILDING :- 25.00 M. FROM GROUND LEVEL

NOTES
 ALL DIMENSIONS ARE IN MM. OTHERWISE MENTIONED

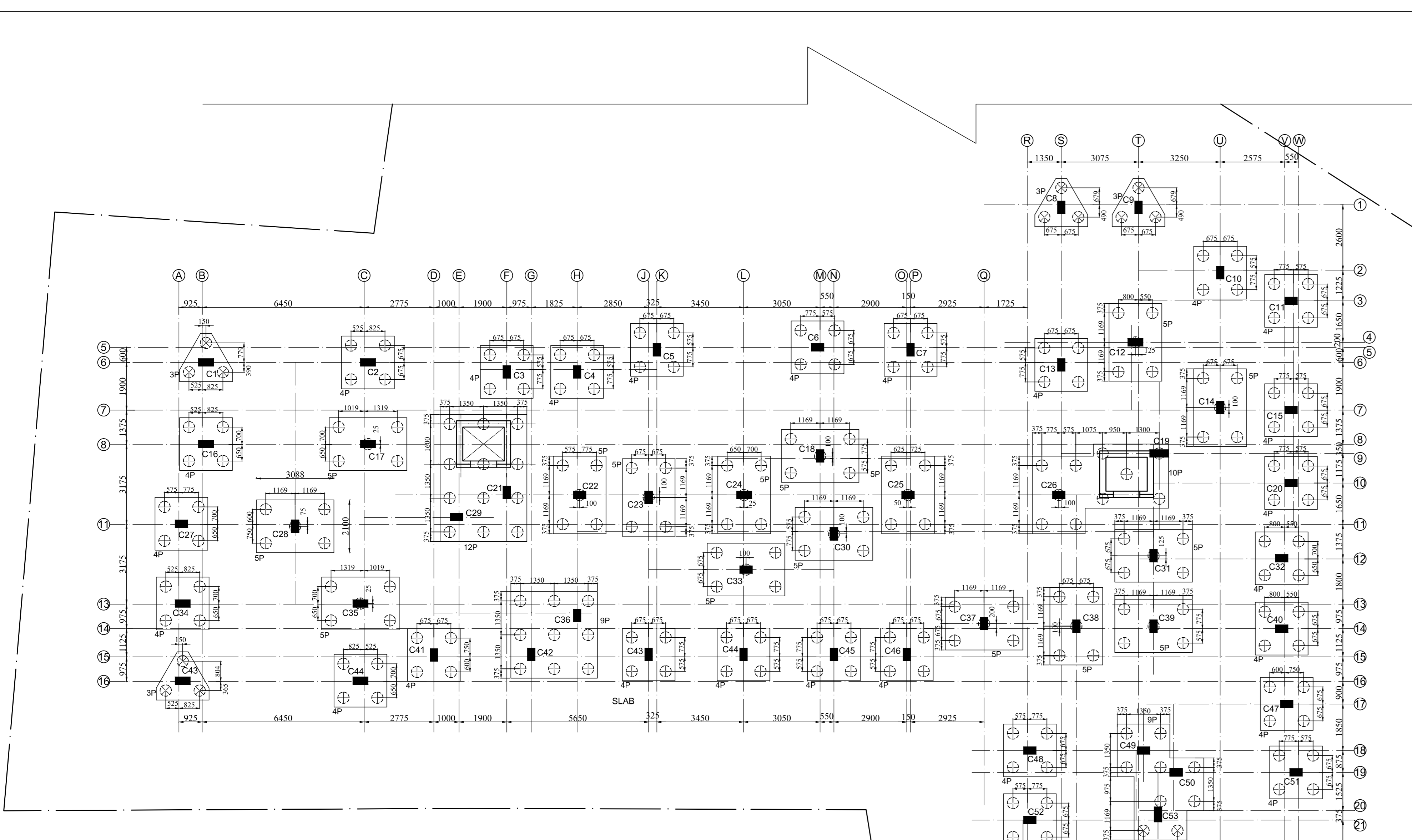
SPECIFICATIONS
 ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN M & FIGURED DIMENSIONS ARE TO BE FOLLOWED.
 1. 1:80 CORRESPONDS TO GROUND LEVEL.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH LATEST ARCH. DWG.
 3. GRADE FOR REINFORCEMENT CONCRETE SHALL BE M25 FOR FOUNDATION AND M20 FOR SUPER STRUCTURE.
 4. ALL REINFORCEMENT SHALL BE OF H.Y.S.D. BARS F-500 CONFORMING TO IS:1786-2008.
 5. UNLESS SPECIFIED OTHERWISE, THE MINIMUM CLEAR CONCRETE COVER FOR PROTECTION OF REINFORCEMENT SHALL BE AS FOLLOWS:
 SEE TOP BOTTOM ITEMS IN IS:456 FOR FOUNDATIONS, 40 COLUMNS, 30 BEAMS, 25 SLABS.
 6. UNLESS SPECIFIED OTHERWISE, ALL HOODS/BENDS/LAPS, SPICES ETC. SHALL BE AS PER LATEST IS:456 AND OTHER RELEVANT INDIAN STANDARDS. ANY DISCREPANCY OBSERVED BETWEEN THIS STRUCT. DWG. AND RELEVANT ARCH. DWG. SHALL BE BROUGHT TO ATTENTION AND GET RECORDED BEFORE EXECUTION.
 7. THE NET BEARING PRESSURE FOR FOUNDATION DESIGN HAS BEEN KEPT WITHIN 8.3 T/M² AT 2.0 M. BELOW G.L.

DECLARATION OF STRUCTURAL ENGINEER
 I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE G+7 STORED BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS (DEAD, LIVE, WIND, SEISMIC) GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARDS AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF ARCHITECT

SIGNATURE OF PRIVATE AND CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF M/S. STRAIGHT LINE

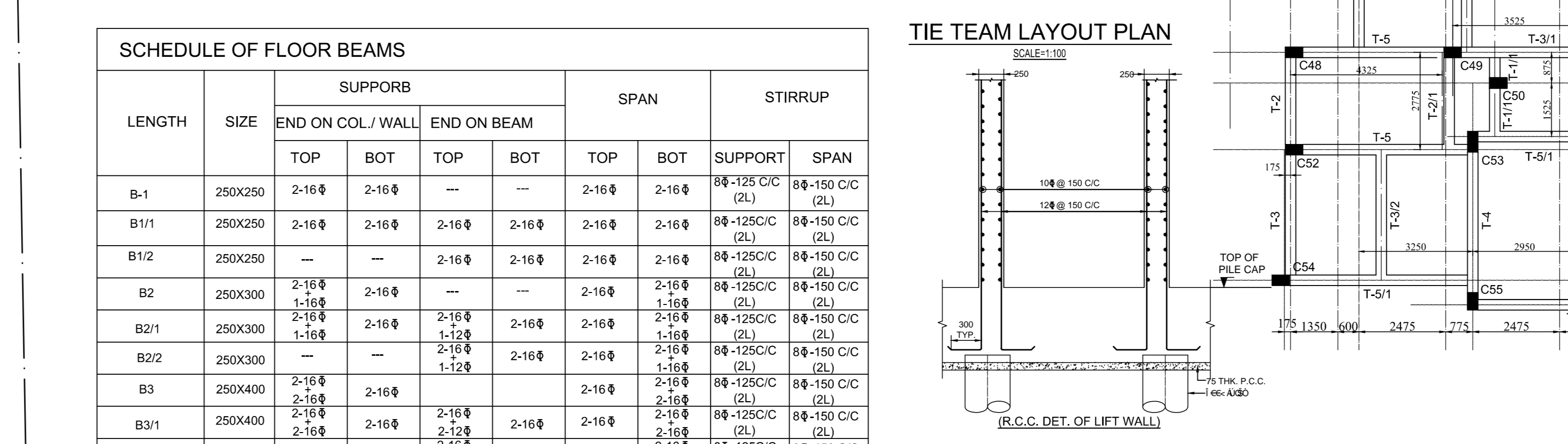
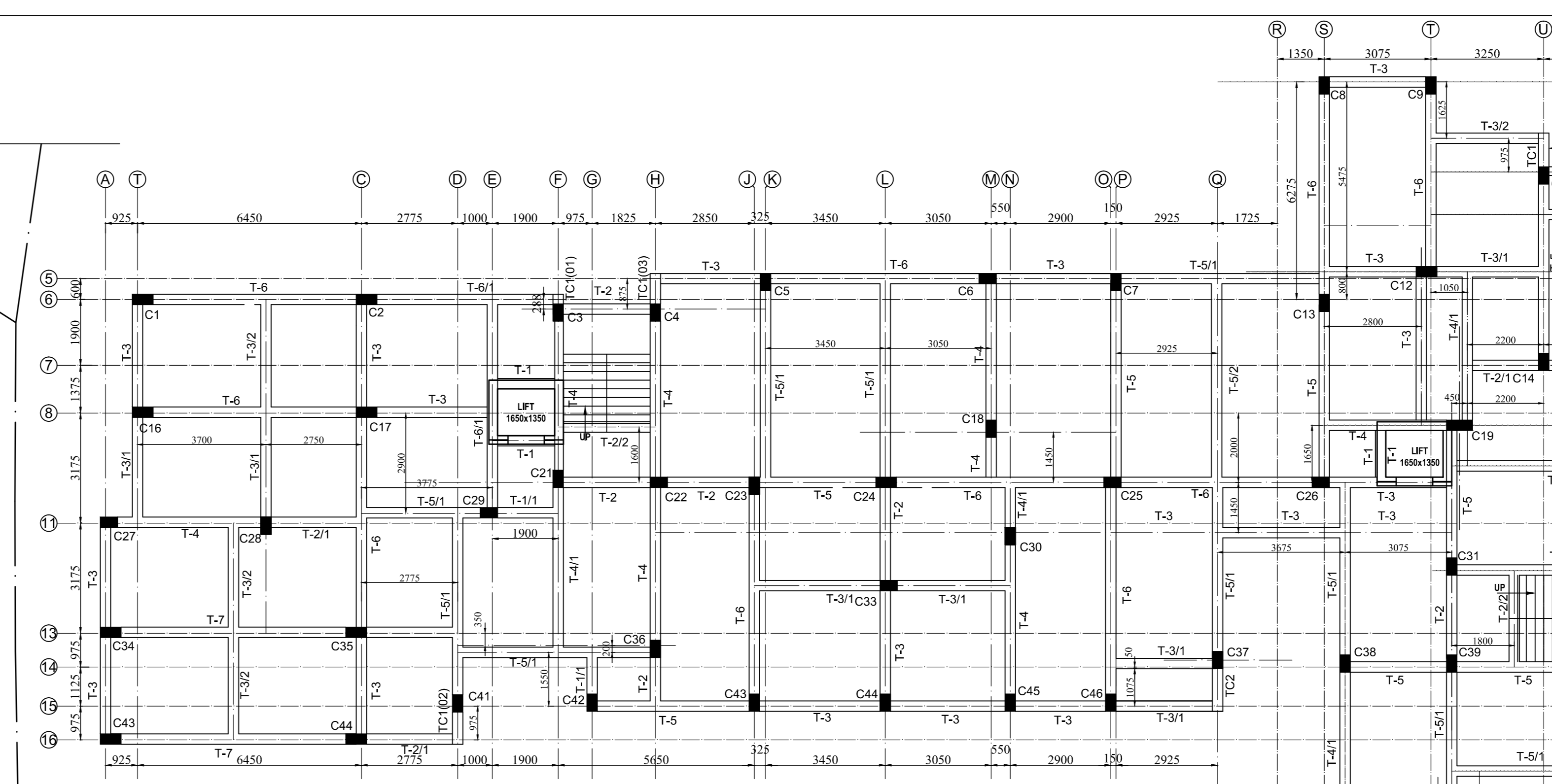
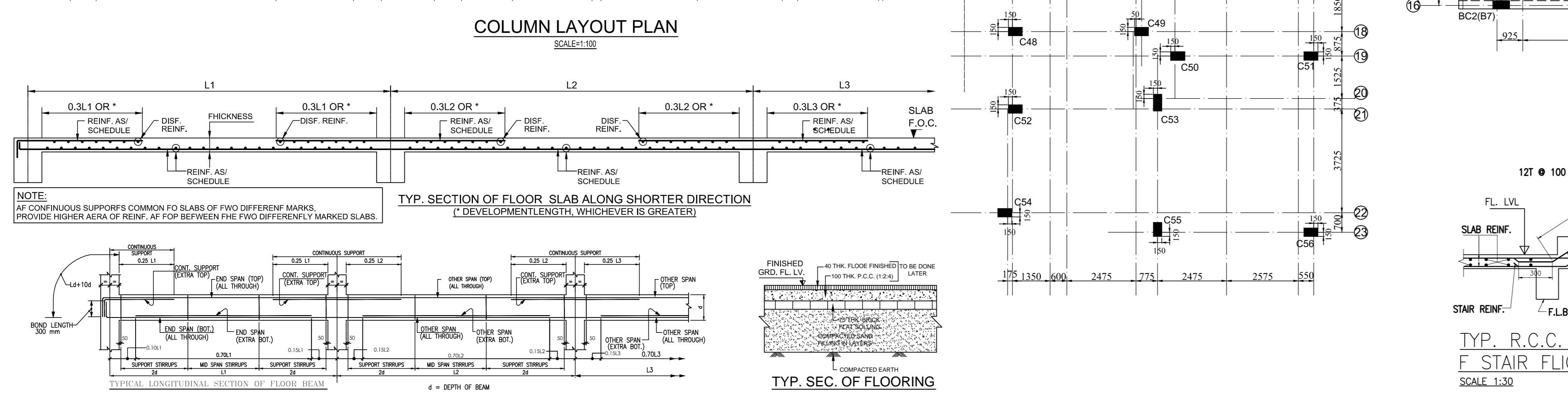
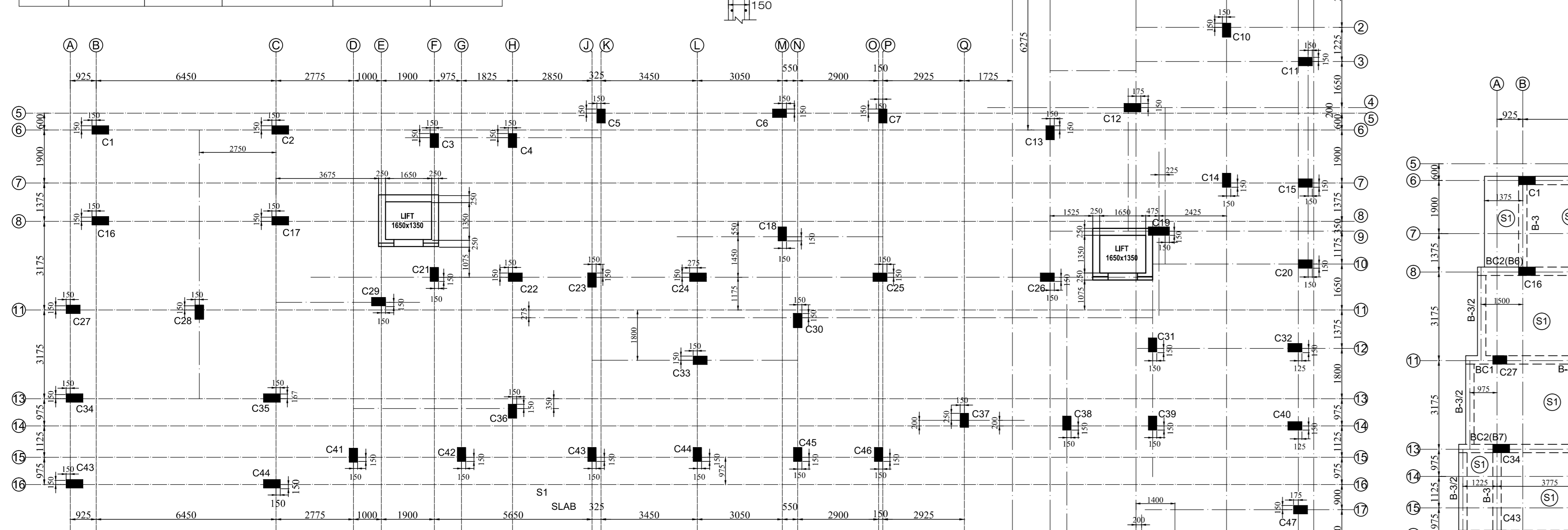


SCHEDULE OF COLUMNS

COL. MKD.	REINFORCEMENT	TERMINATION LEVEL	CUT-OFF LENGTH	CAPACITY
C8, C9, C34, C36	8-16 @ 150/200 CC (2 LINKS PER SET)	ROOF FL. LEV.	AS PER SCHEDULE	30 T.
C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C35, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48	8-16 @ 150/200 CC (3 LINKS PER SET)	ROOF FL. LEV.	AS PER SCHEDULE	30 T.
C1, C2, C12, C16, C17, C24, C34, C35, C43, C44, C45, C46, C47, C48	8-16 @ 150/200 CC (3 LINKS PER SET)	ROOF FL. LEV.	AS PER SCHEDULE	30 T.

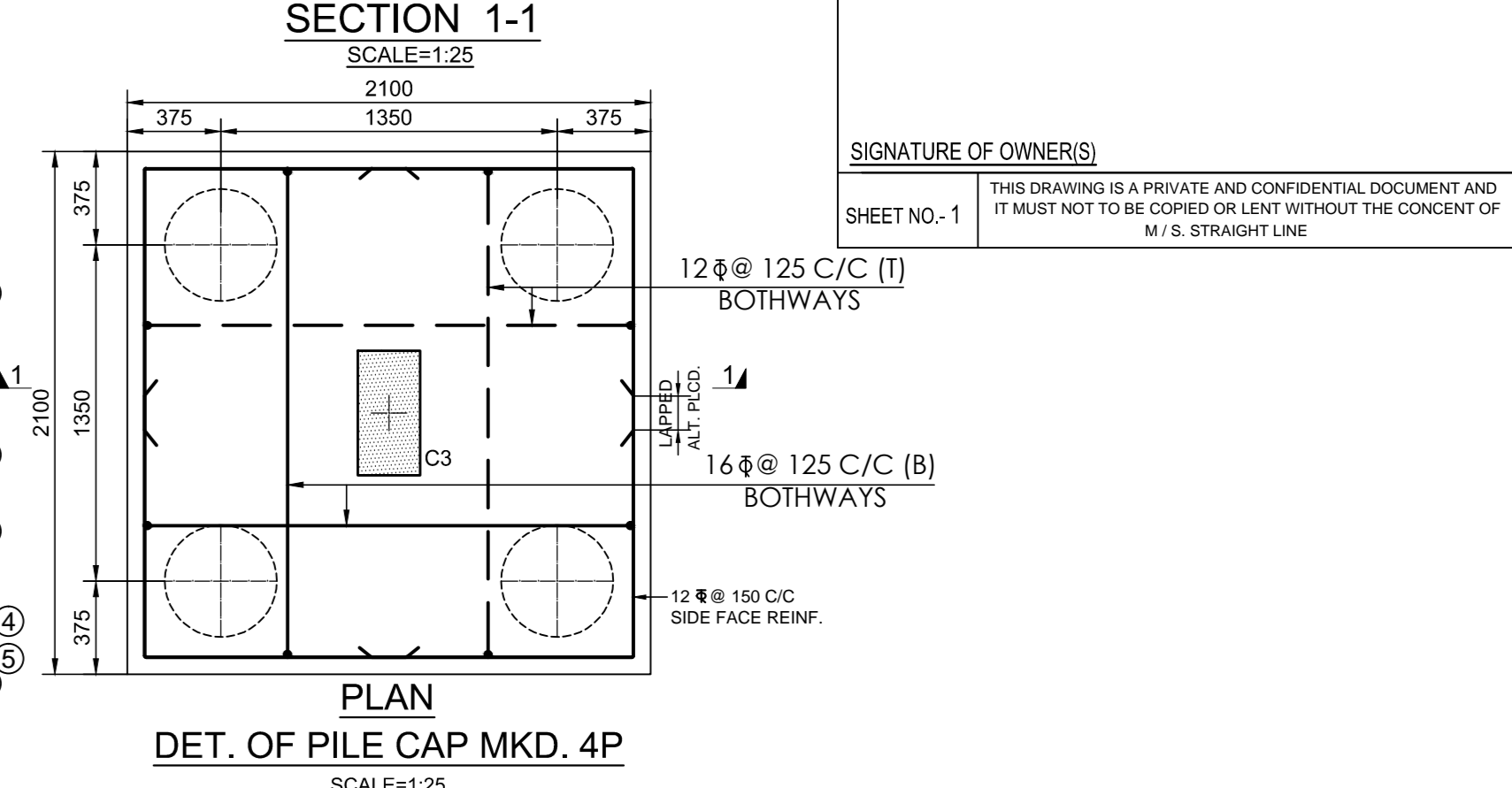
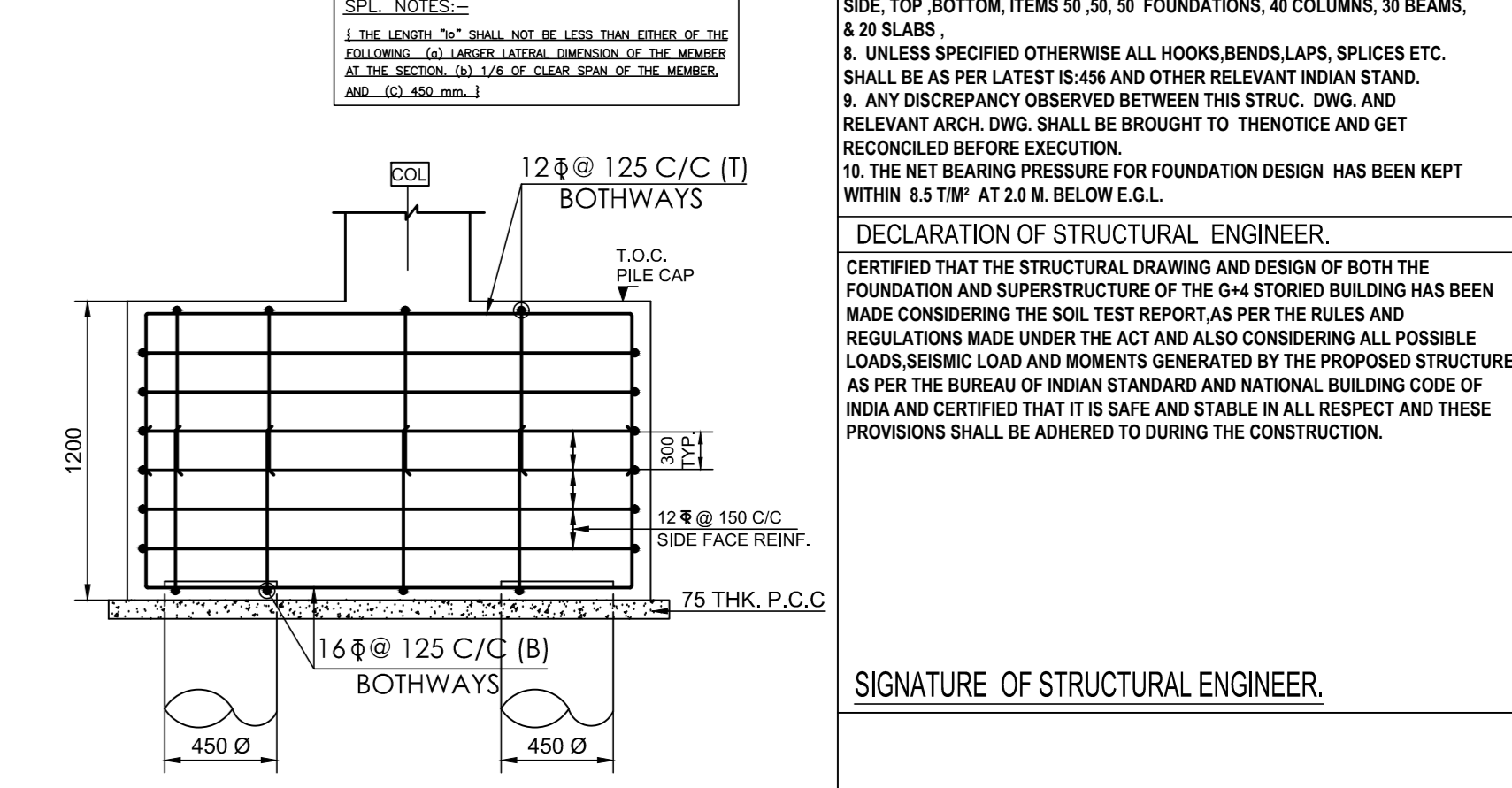
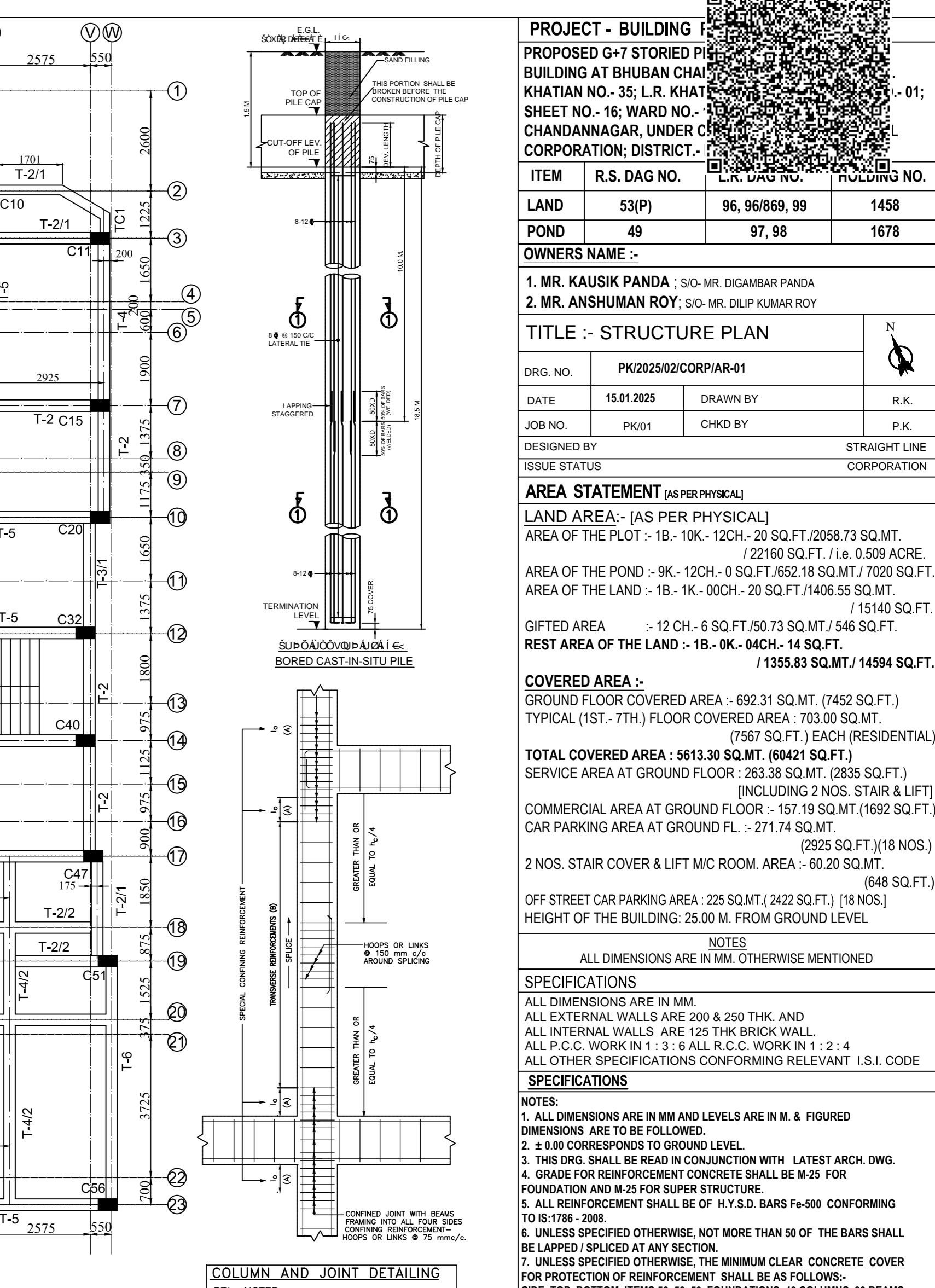
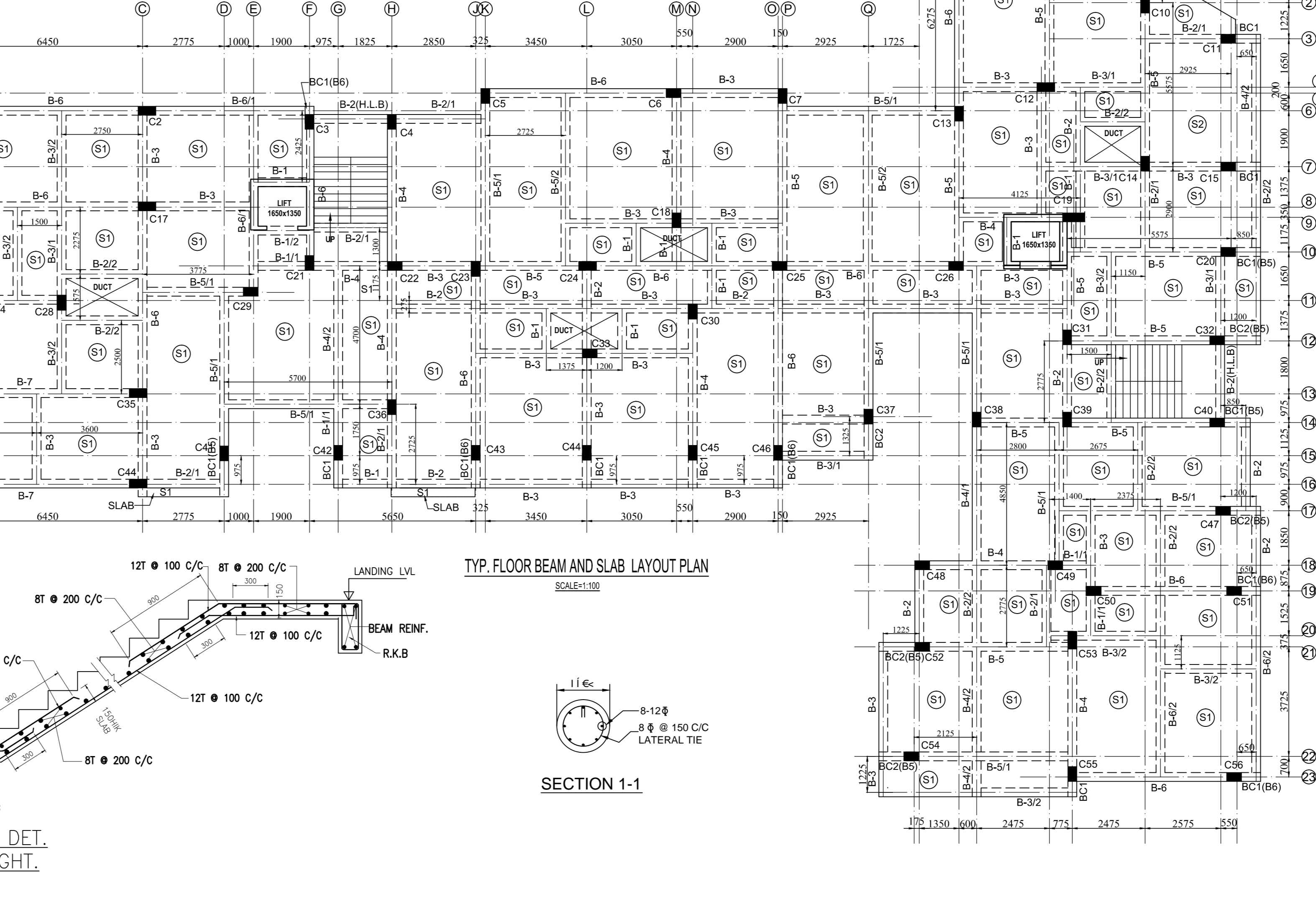
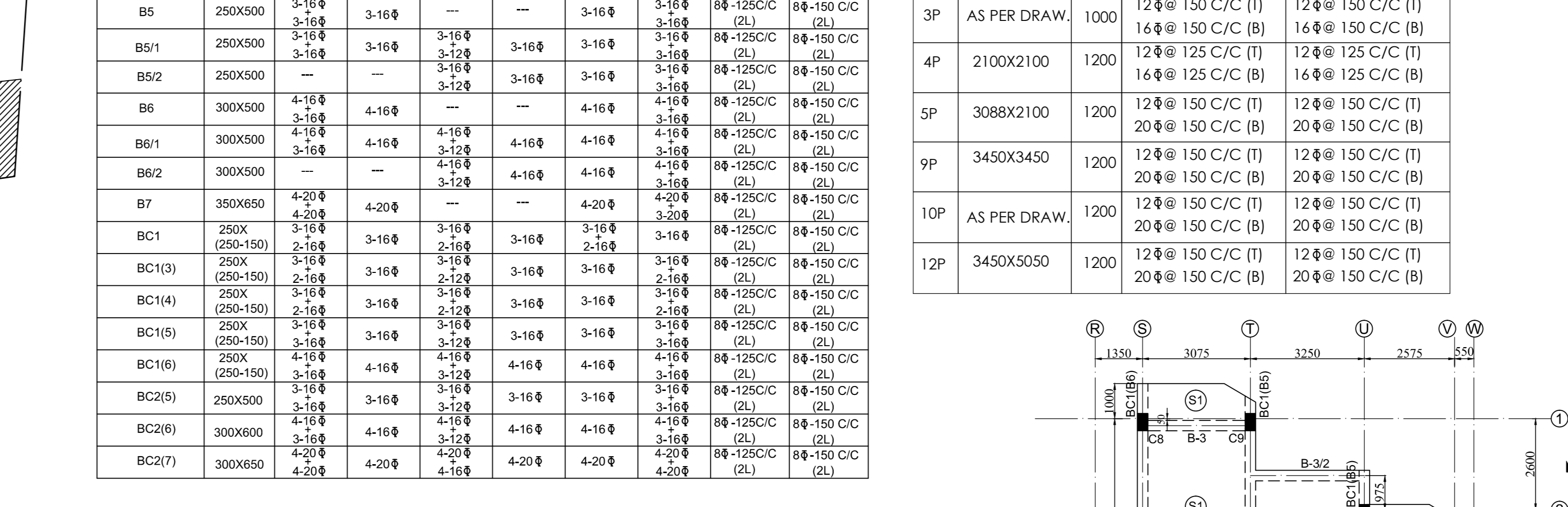
PILE SCHEDULE

TYPE	DIAM. OF PILE	TERMINATION LEVEL	CUT-OFF LENGTH	REINFORCEMENT	CAPACITY
1	450 Ø	20 M.	AS PER SCHEDULE	8-12 @	30 T.



PILE-CAP SCHEDULE

TYPE	SIZE	DEPTH (D)	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
3P	AS PER DRAW	1000	12 @ 150 C/C (T)	12 @ 150 C/C (B)
4P	2100X2100	1200	12 @ 125 C/C (T)	12 @ 125 C/C (B)
5P	3088X2100	1200	12 @ 150 C/C (T)	12 @ 150 C/C (B)
9P	3450X3450	1200	12 @ 150 C/C (T)	12 @ 150 C/C (B)
10P	AS PER DRAW	1200	12 @ 150 C/C (T)	12 @ 150 C/C (B)
12P	3450X5050	1200	12 @ 150 C/C (T)	12 @ 150 C/C (B)



SCHEDULE OF TIE BEAM

LENGTH	SIZE	SUPPORT		SPAN		STIRRUP	
		TOP	BOT	TOP	BOT	SUPPORT	SPAN
T-1	250X250	2-16 @	2-16 @	---	---	8@-125 C/C (2L)	8@-150 C/C (2L)
T-11	250X250	2-16 @	2-16 @	2-16 @	2-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-2	250X300	2-16 @	2-16 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
T-21	250X300	2-16 @	2-16 @	2-16 @	2-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-22	250X300	2-16 @	2-16 @	2-16 @	2-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-3	250X400	2-16 @	2-16 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
T-31	250X400	2-16 @	2-16 @	2-16 @	2-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-32	250X400	2-16 @	2-16 @	2-16 @	2-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-4	250X500	3-16 @	3-16 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
T-41	250X500	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-5	250X500	3-16 @	3-16 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
T-51	250X500	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-52	250X500	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-6	300X500	4-16 @	4-16 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
T-61	300X500	4-16 @	4-16 @	4-16 @	4-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
T-7	350X850	4-20 @	4-20 @	---	---	8@-125C/C (2L)	8@-150 C/C (2L)
TC1(10)	250X (250-150)	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
TC1(102)	250X (250-150)	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)
TC1(103)	250X (250-150)	3-16 @	3-16 @	3-16 @	3-16 @	8@-125C/C (2L)	8@-150 C/C (2L)