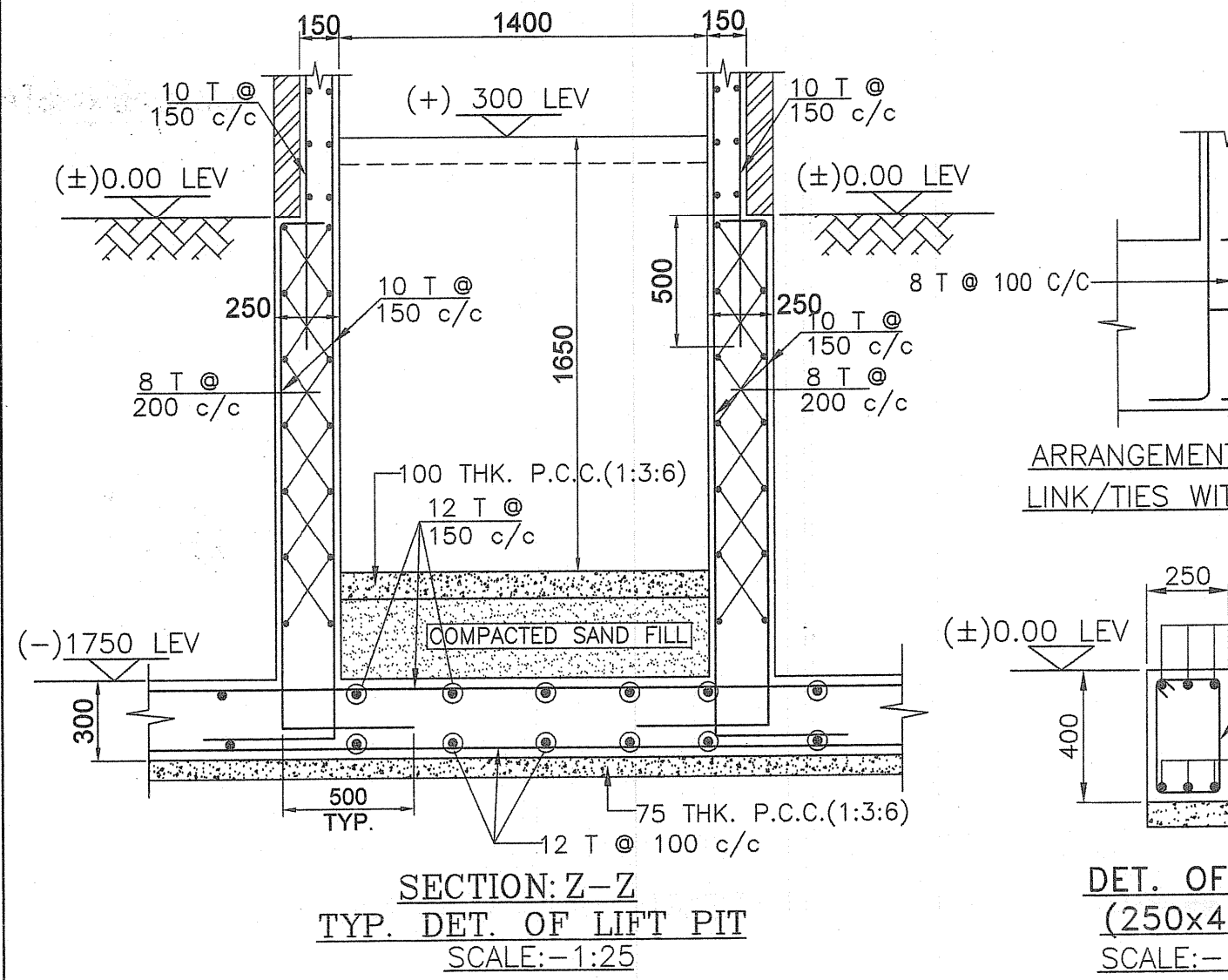


COLUMN MKD.	SIZE	MAIN REINFORCEMENT			
		PILE CAP TO 1ST FL.	1ST. FLOOR TO 3RD. FL.	3RD. FLOOR TO 5TH FL.	5TH FLOOR TO ROOF
C1, C3, C10, C11	500 X 300	4-20 T + 4-16 T	10-16 T	10-16 T	10-16 T
C2, C4	500 X 300	10-20 T	6-20 T + 4-16 T	4-20 T + 4-16 T	10-16 T
C5, C8	600 X 300	8-25 T + 8-20 T	4-25 T + 4-20 T	12-20 T	8-20 T + 4-16 T
C6	700 X 300	6-25 T + 8-20 T	14-20 T	8-20 T + 4-16 T	4-20 T + 10-16 T
C7	800 X 250	8-25 T + 6-20 T	4-25 T + 10-20 T	14-20 T	8-20 T + 6-16 T
C9, C12	600 X 300	12-16 T	4-12 T + 8-12 T	4-16 T + 8-12 T	12-12 T
C10a, C12a	400 X 250	8-16 T	8-16 T UP TO 2ND FLOOR		
C13	600 X 350 PILE CAP TO 1ST FLOOR	10-16 T	6-16 T + 4-12 T	4-16 T + 6-12 T	4-16 T + 6-12 T
C14	500 X 350 PILE CAP TO 1ST FLOOR	10-16 T	6-16 T + 4-12 T	4-16 T + 6-12 T	4-16 T + 6-12 T
C15, C16	450 X 300	8-16 T	8-16 T	4-16 T + 4-12 T	4-16 T + 4-12 T
C17	450 X 300	8-16 T	8-16 T	4-16 T + 4-12 T	4-16 T + 4-12 T
C18	450 X 350 PILE CAP TO 1ST FLOOR	8-16 T	8-16 T	4-16 T + 4-12 T	4-16 T + 4-12 T

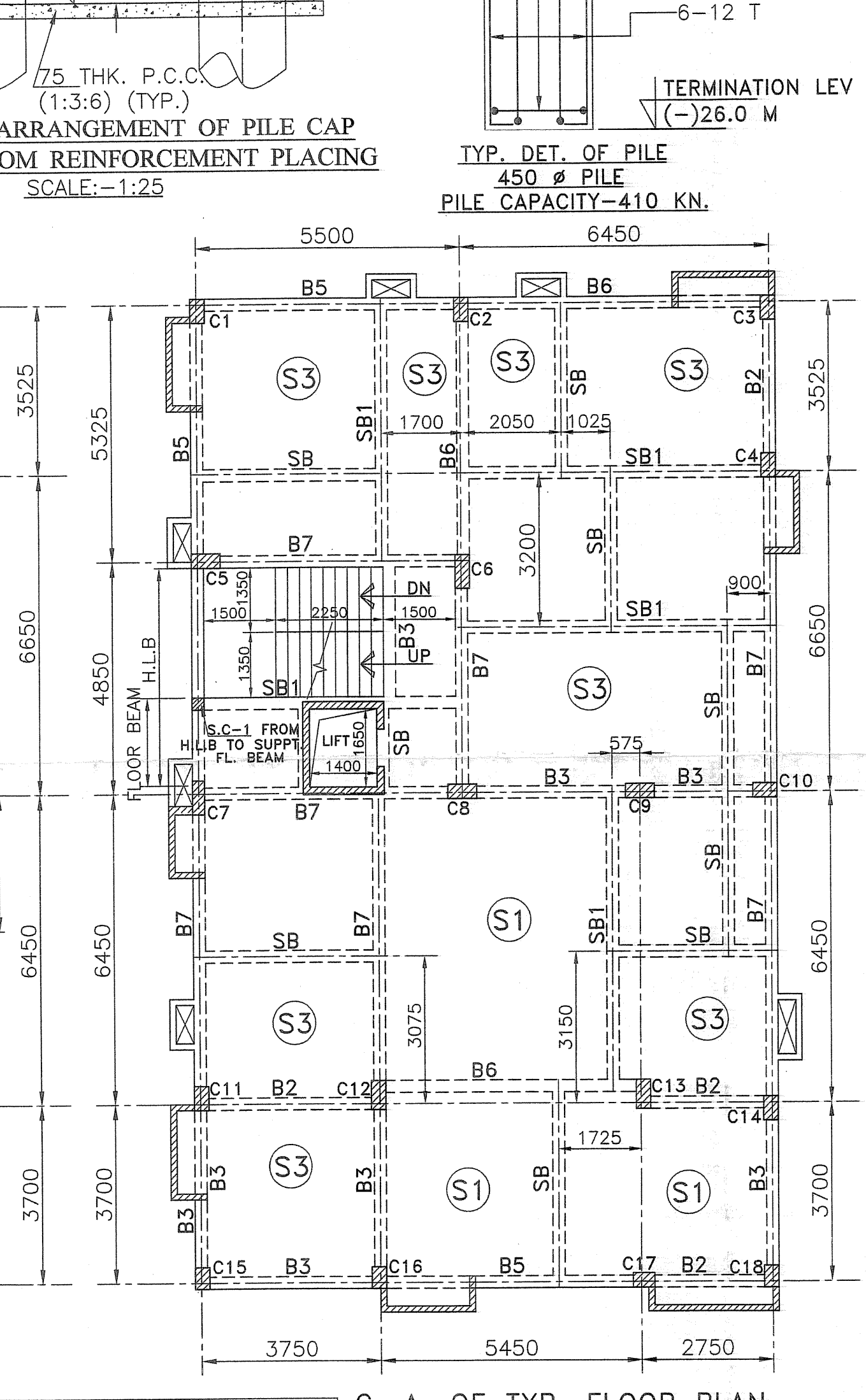
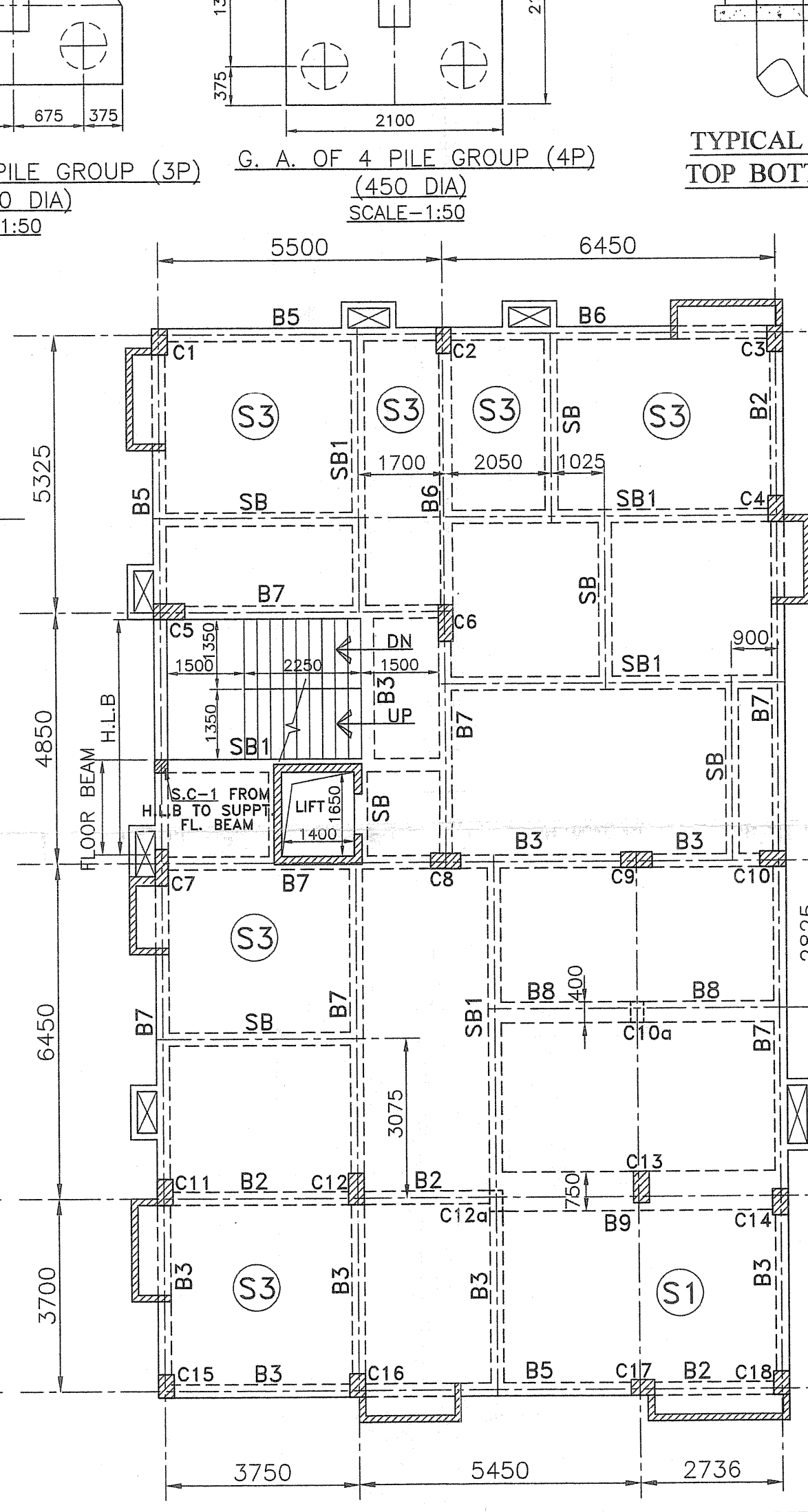
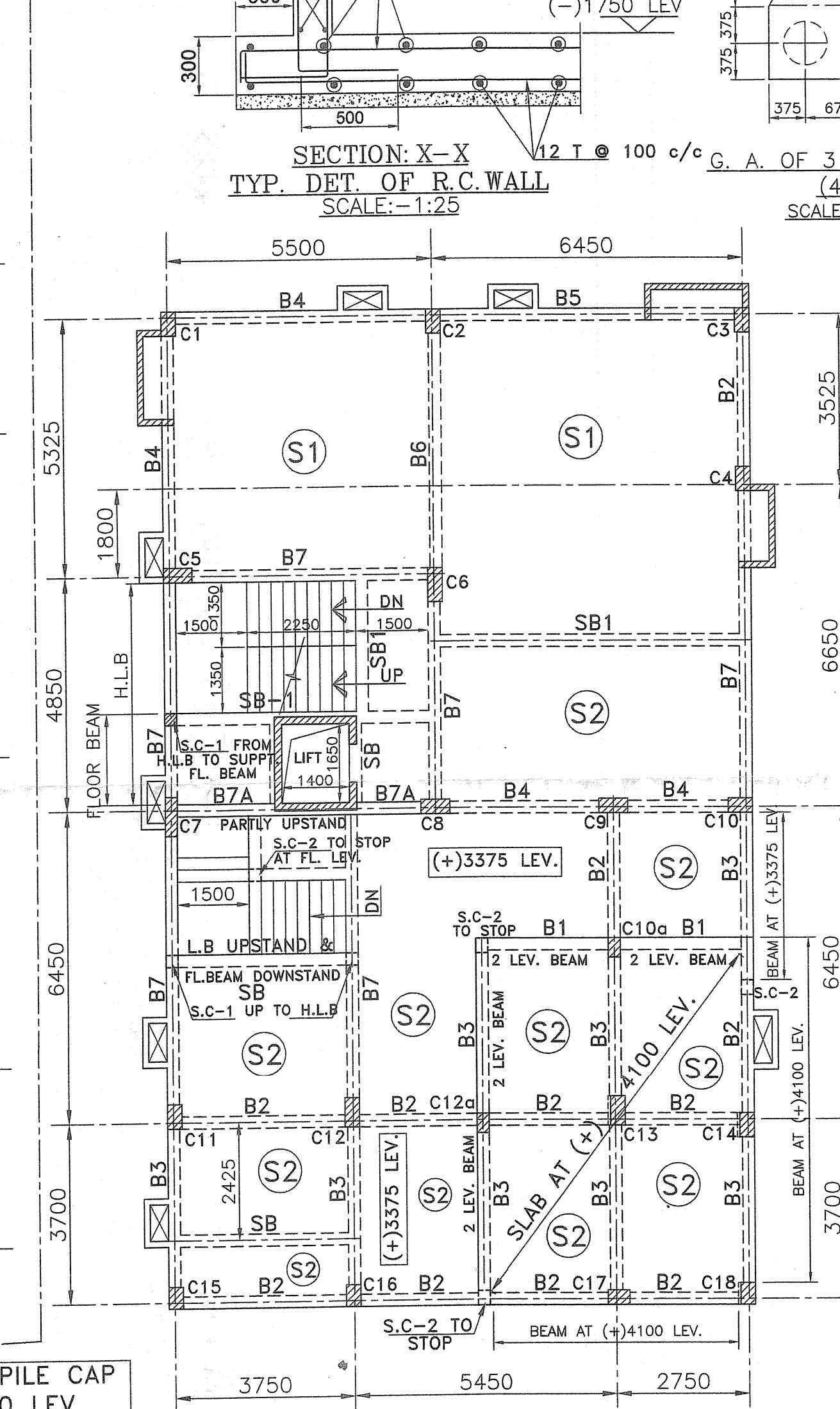
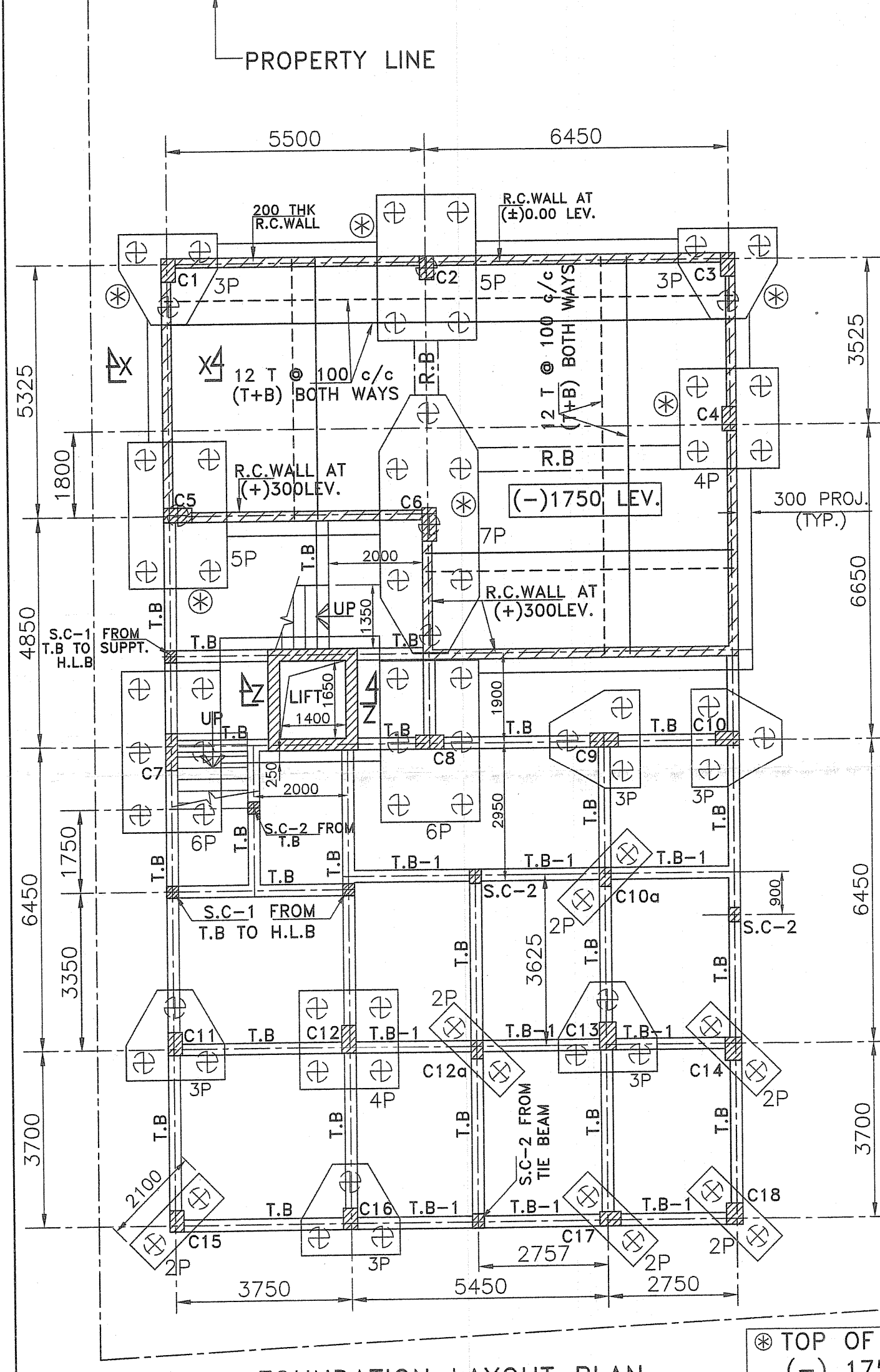
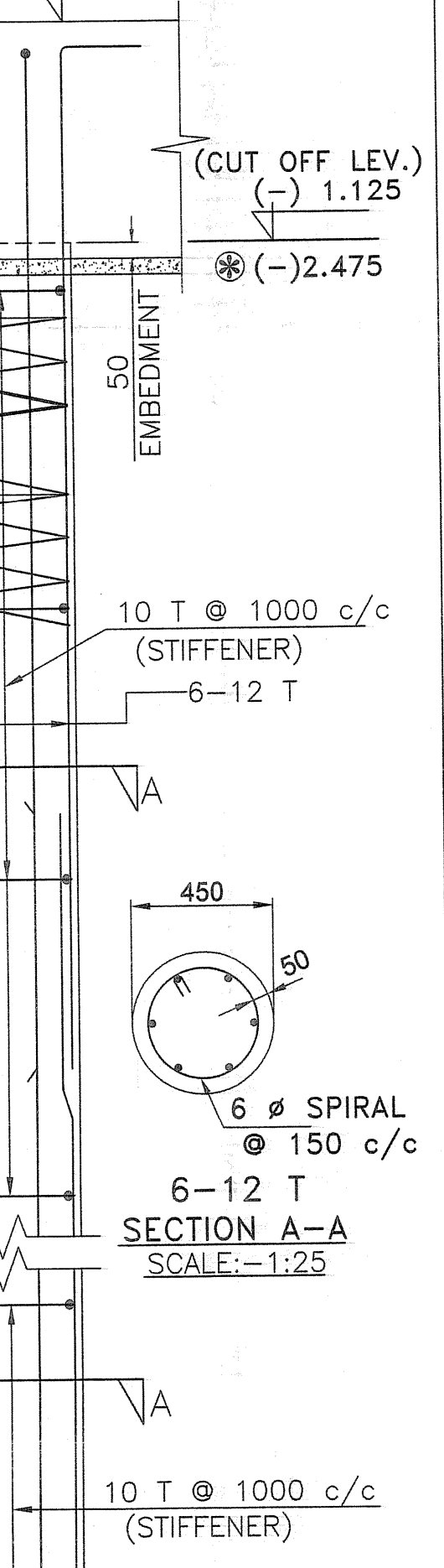
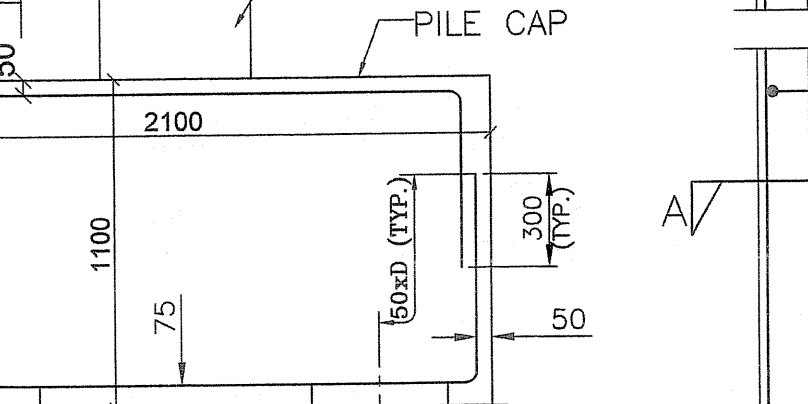
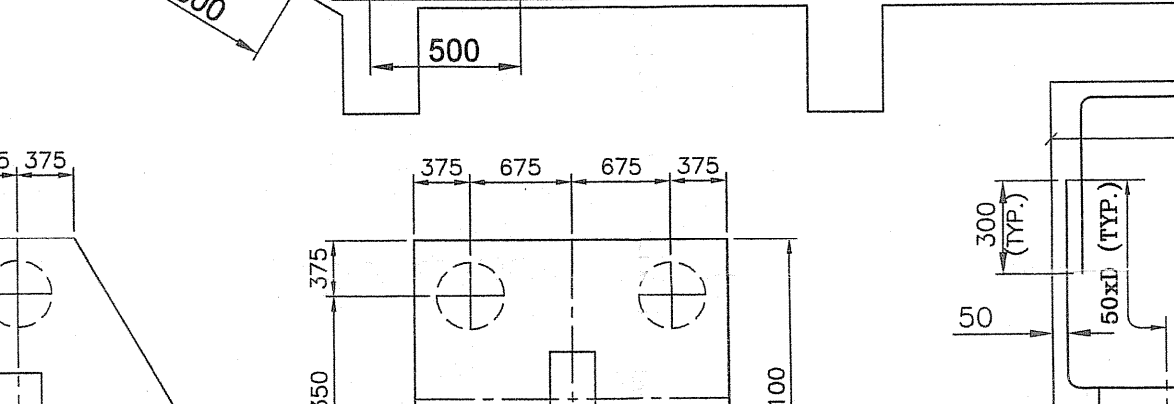
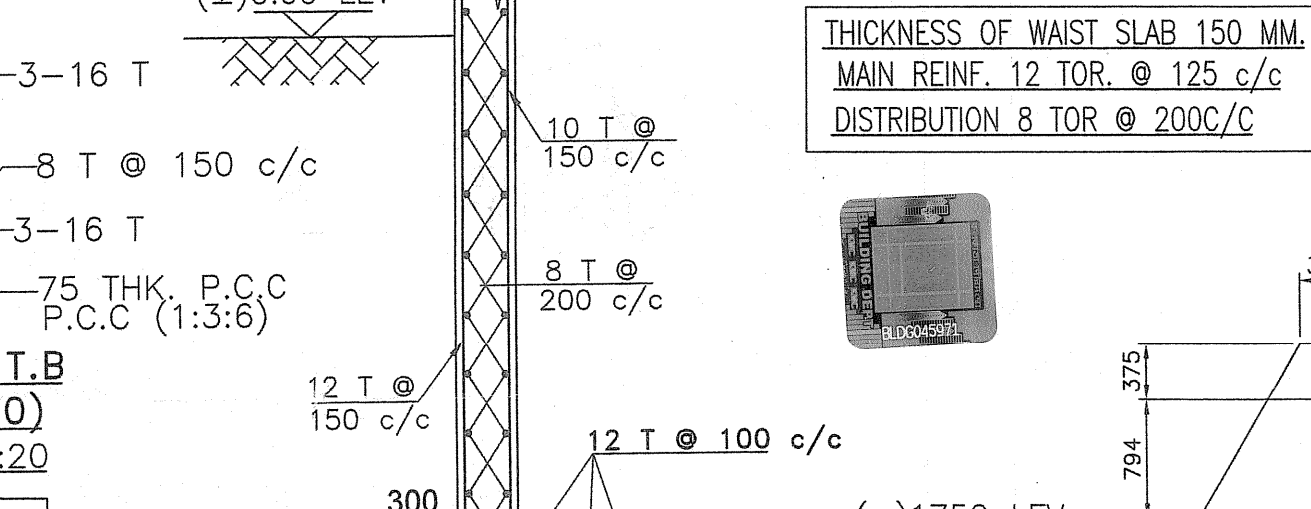
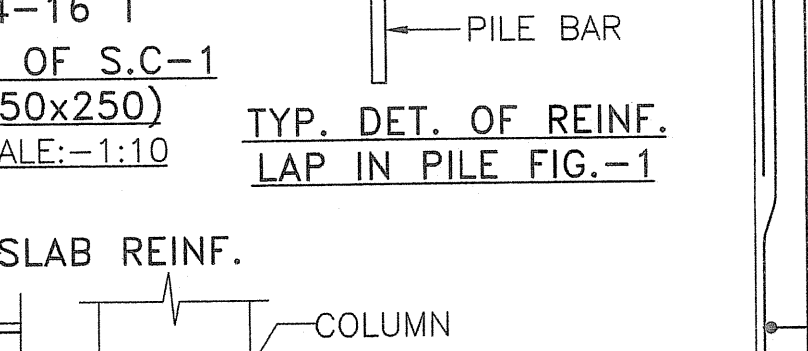
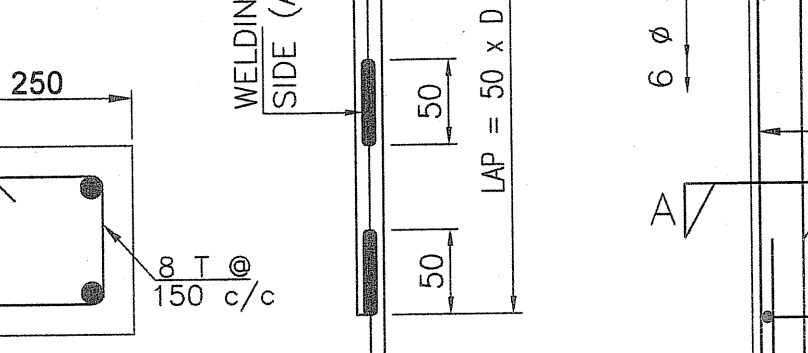
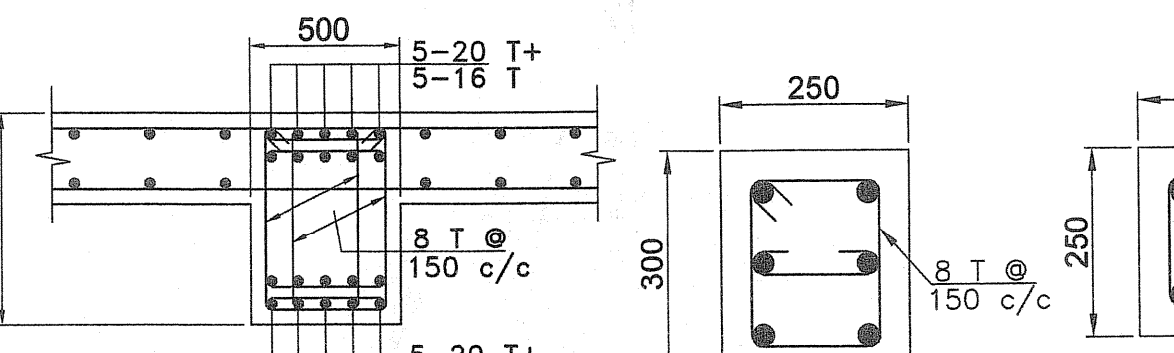
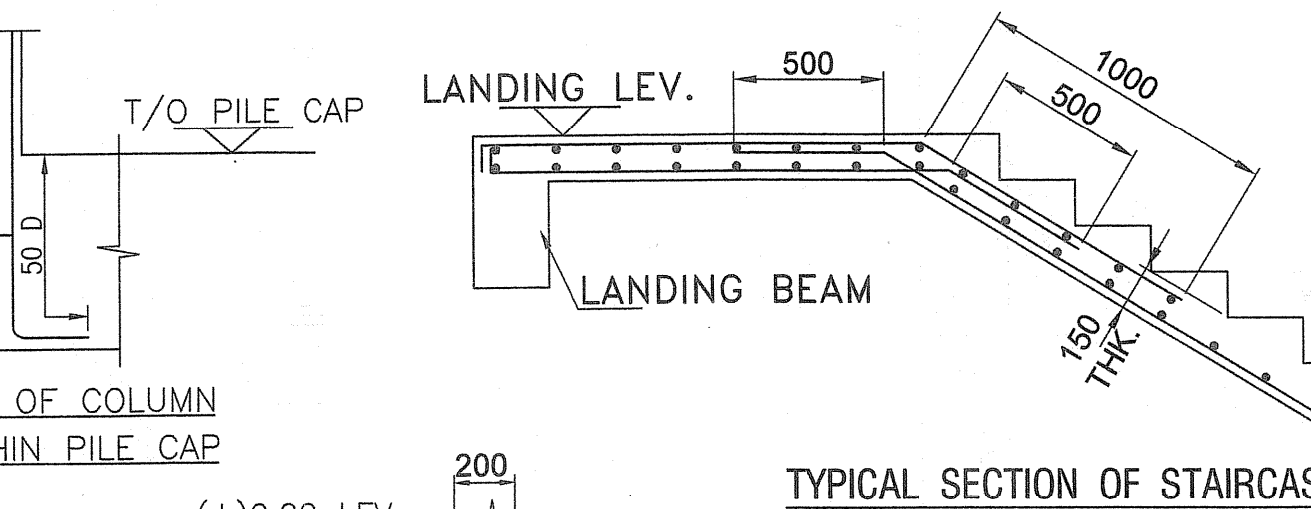
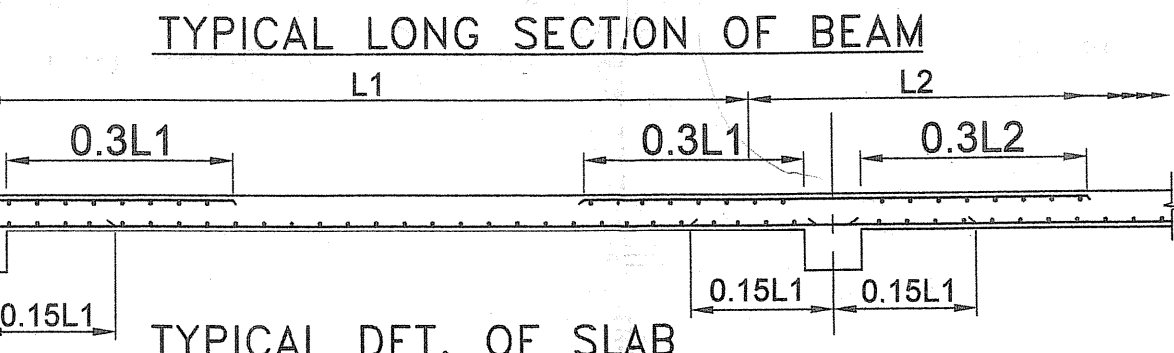
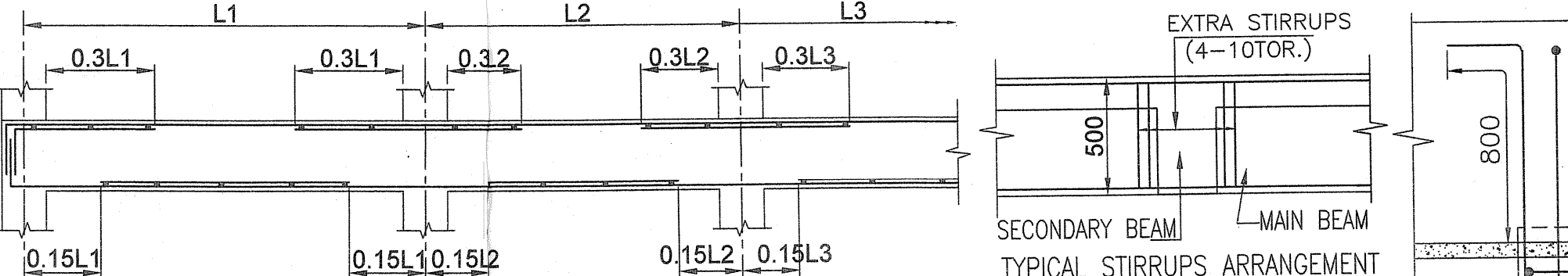
BEAM MKD.	SIZE	AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B2	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR + 2-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B3	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B4	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B5	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B6	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B7	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B7A	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR + 2-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
B8	400 X 150	5-16 TOR	5-16 TOR	5-16 TOR	5-16 TOR	8 TOR 4L @ 100 C/C	8 TOR 4L @ 100 C/C
B9	750 X 150	6-16 TOR	6-16 TOR	6-16 TOR	6-16 TOR	8 TOR 4L @ 100 C/C	8 TOR 4L @ 100 C/C
SB	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
SB1	250 X 500	3-16 TOR	3-16 TOR	3-16 TOR	3-16 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C
H.L.B.	250 X 500	3-20 TOR	3-20 TOR	3-20 TOR	3-20 TOR	8 TOR 2L @ 125 C/C	8 TOR 2L @ 175 C/C

PILE CAP MKD.	DEPTH OF PILE CAP (mm)	CAP REINFORCEMENT					
		LONGER BAR			SHORT BAR		
		BOTTOM BAR	TOP BAR	STIRRUPS	BOTTOM BAR	TOP BAR	STIRRUPS
2P	800	7-16 T	4-2 T	10 T 4L @ 175 c/c			
3P	800	7-16 T	4-2 T	10 T 4L @ 175 c/c			(3+3)-12 T
4P	1100	9-20 T + 8-16 T	9-2 T	10 T 6L @ 175 c/c	9-20 T + 8-16 T	9-12 T	(4+4)-12 T
5P	1100	9-20 T + 8-16 T	9-2 T	10 T 6L @ 175 c/c	13-20 T + 12-16 T		(4+4)-12 T
6P	1100	9-20 T + 8-16 T	9-2 T	10 T 6L @ 175 c/c	14-20 T + 13-16 T		(4+4)-12 T
7P	1400	27-20 T	14-12 T		29-20 T	15-12 T	(6+6)-12 T



PANEL MKD.	THICKNESS (mm)	SHORT BARS		LONG BARS	
		TOP OVER SUPPORT	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM AT SPAN
S1	150	8 TOR @ 100 C/C	8 TOR @ 100 C/C	8 TOR @ 100 C/C	8 TOR @ 125 C/C
S2	125	8 TOR @ 125 C/C	8 TOR @ 125 C/C	8 TOR @ 125 C/C	8 TOR @ 150 C/C
S3	110	8 TOR @ 150 C/C	8 TOR @ 150 C/C	8 TOR @ 150 C/C	8 TOR @ 175 C/C
S4	100	8 TOR @ 150 C/C	8 TOR @ 175 C/C	8 TOR @ 175 C/C	8 TOR @ 175 C/C

PROVIDE DISTRIBUTION 8 TOR @ 200 C/C WHERE NECESSARY



PROJECT:
PROPOSED G+IV STORIED (15.475 M HT.)
RESIDENTIAL BUILDING U/S 393A OF K.M.C ACT
1980 AT PREM. NO. 117A, SHYAMA PRASAD
MUKHERJEE ROAD, WARD NO-87, BR.-VIII
KOL-700 026 P.S.- TOLLYGUNGE

- GENERAL NOTES:**
- THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH DRG.
 - UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE M.M.
 - ALL DIMENSIONS ARE IN MM. & LEVELS ARE IN M. UNLESS NOTED OTHERWISE.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe-500 CONFORMING TO IS. 1786-1985.
 - GRADE OF CONCRETE SHALL BE-M25.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe-500 CONFORMING TO I.S. 1786-1985.
 - CLEAR COVER TO MAIN REINFORCEMENT SHALL BE:
 - FOR PILE = 50mm.
 - PILE CAP = 50 mm (SIDE+TOP). BTM = 75 mm.
 - FOR COLUMN = 40mm.
 - FOR TIE BEAM = 40mm.
 - FOR LIFT WALL = 20mm.
 - FOR FLOOR BEAM = 25mm.
 - FOR FLOOR SLAB = 20mm.
 - FOR WAIST SLAB = 20mm.
 - MIX OF P.C.C. SHALL BE 1:3:6
 - LAP/BOND LENGTH SHALL BE 50D WHERE D IS THE DIAMETER OF BAR.
 - ALL CHAIR BARS SHALL BE 12 TOR.
 - PROVIDE 25 T @ 600 c/c SPACER BAR WHEREVER REQD.

- SPECIAL NOTES FOR PILE:-**
- BORING SHALL BE DONE BY CHISEL & BAILER AND EXTRUSION SHALL BE DONE BY D.M.C METHOD.
 - ROLLER TYPE COVER TO BE USED.
 - SLUMP FOR CONC. SHALL BE 150 TO 180.
 - MAXIMUM WATER CEMENT RATIO = 0.45
 - MINIMUM CEMENT CONTENT = 400 KG/CUM.
 - ALL LAP JOINTS SHALL BE 50XD AND TACK WELDED, AS SHOWN IN FIG.-1.

CERTIFICATE OF STRUCTURAL ENGINEER.
THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

K. Sengupta
KAUSHIK SENGUPTA
D.E. (CIVIL), M.E. (STRUCTURE)
E.S.E. -1/76 (K.M.C.)
KAUSHIK SENGUPTA (E.S.E.-176)
SIG. OF STRUCTURAL ENGINEER

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME. THE SITE CONDITION INCLUDING THE ABUTTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THERE IS AN EXISTING STRUCTURE TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK, AND IT IS OCCUPIED BY THE OWNER AND TENANT.

Anjan Ukil
ANJAN UKIL
Architect
C.O.A. Regn. No.- CA/94/16721
L.B.A.-A-271

ANJAN UKIL (CA/94/16721)
SIGNATURE OF ARCHITECT

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE L.B.A & E.S.E DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF L.B.A & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF U.G.W.RESERVOIR TAKEN UNDER THE GUIDANCE OF L.B.A / E.S.E BEFORE STARTING OF BUILDING FOUNDATION.

For Swastic Project Pvt. Ltd. SUBDEEP HOMES PVT. LTD.
[Signature] Director

SWASTIC PROJECT PVT. LTD. & OTHER
SIGNATURE OF OWNER / C.A.

Anjan Ukil
Anjan Ukil B. Arch (Cal.)
Consulting Architect
Off: P523, Raja Basanta Roy Road, 2465-6656 (O)
First Floor, Kolkata - 700029 2483-4820 (R)
Telefax: (033) 2465-6656

CERTIFIED COPY

KOLKATA MUNICIPAL CORPORATION
 BUILDING DEPARTMENTS
CERTIFIED COPY OF B.S. PLAN
 No. 2017-80049 Dt. 14/09/17
 Borough No. 211
 Assistant Engineer _____ Executive Engineer [Signature]

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2017-80049 Date 14/09/17 for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.
 EXECUTIVE ENGINEER/ASST. ENGINEER
 BOROUGH NO. 211

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 CONTENTS NOT VERIFIED
 14/09/17
 Kolkata Municipal Corporation