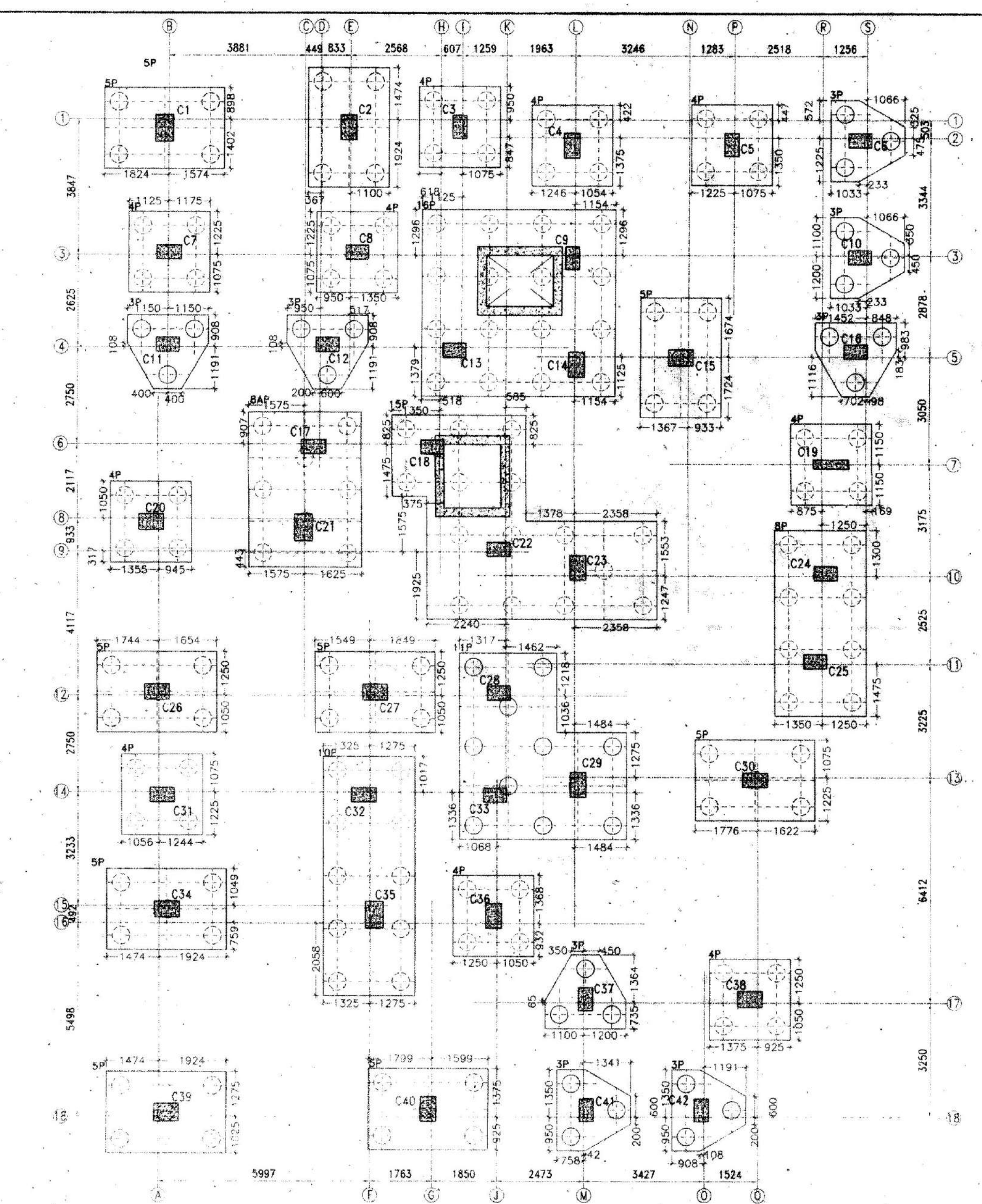
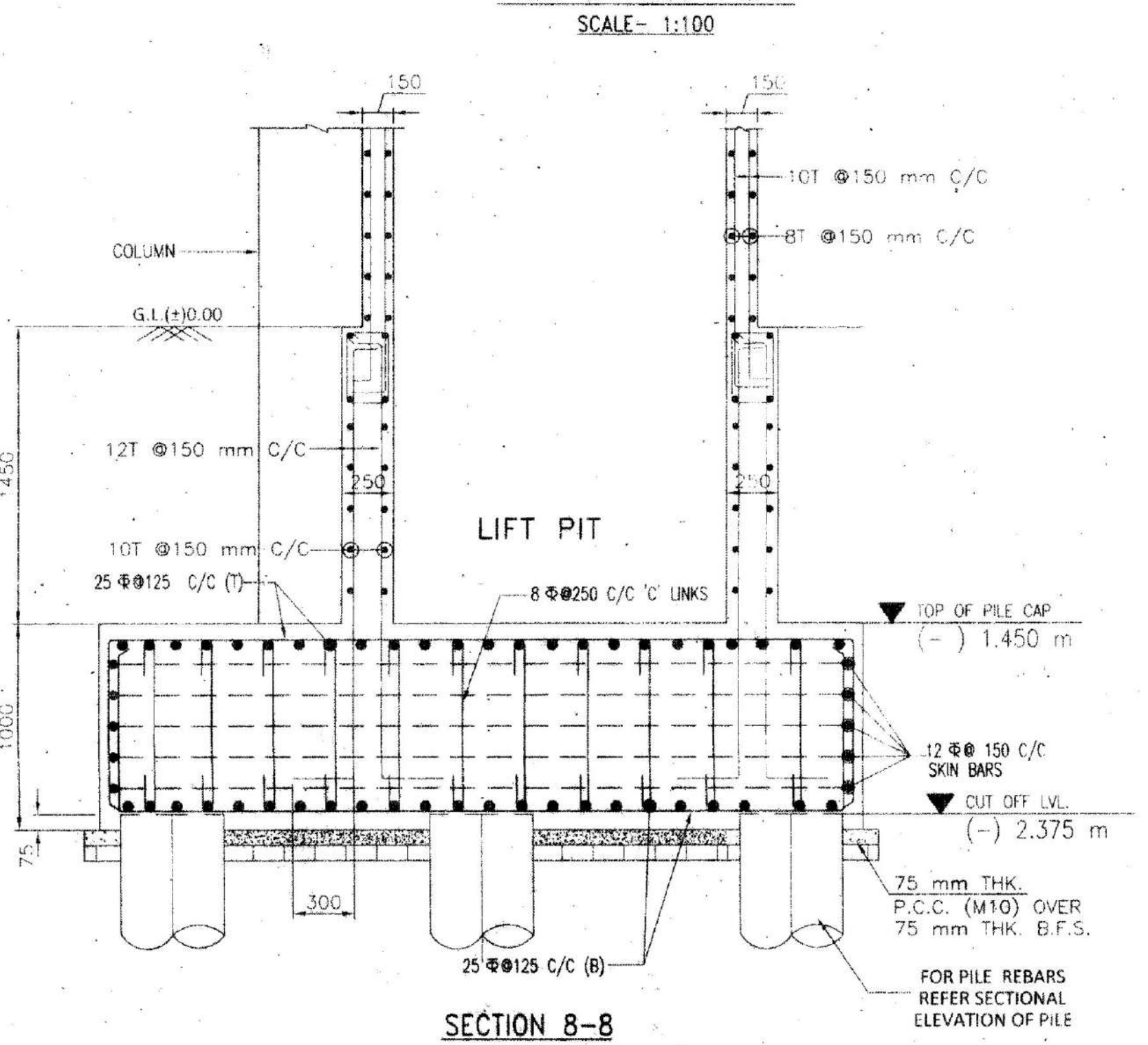


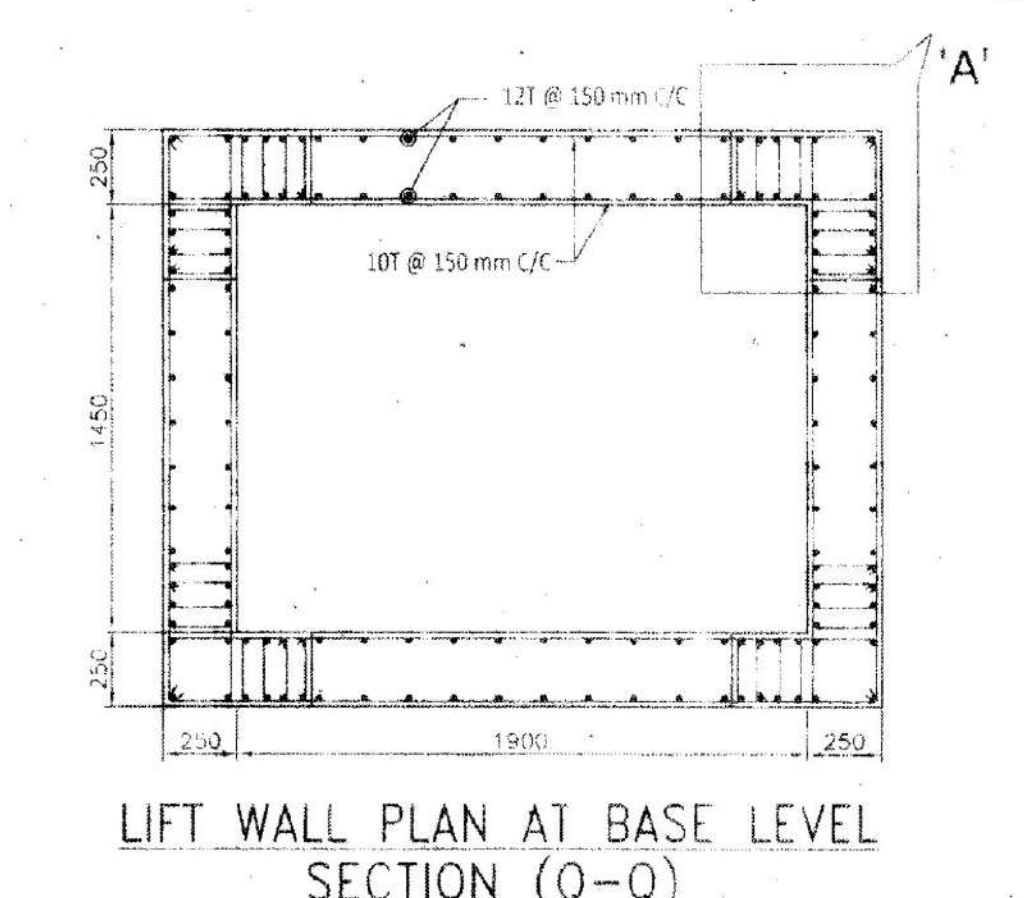
PILE LAYOUT PLAN
SCALE= 1:100



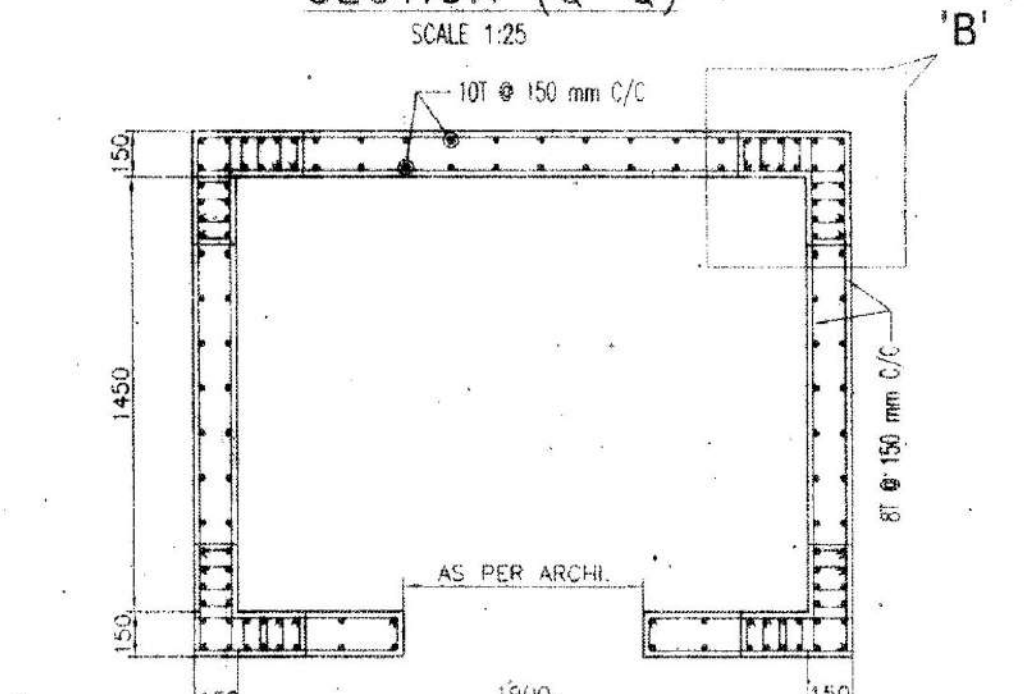
PILECAP LAYOUT PLAN
SCALE= 1:100



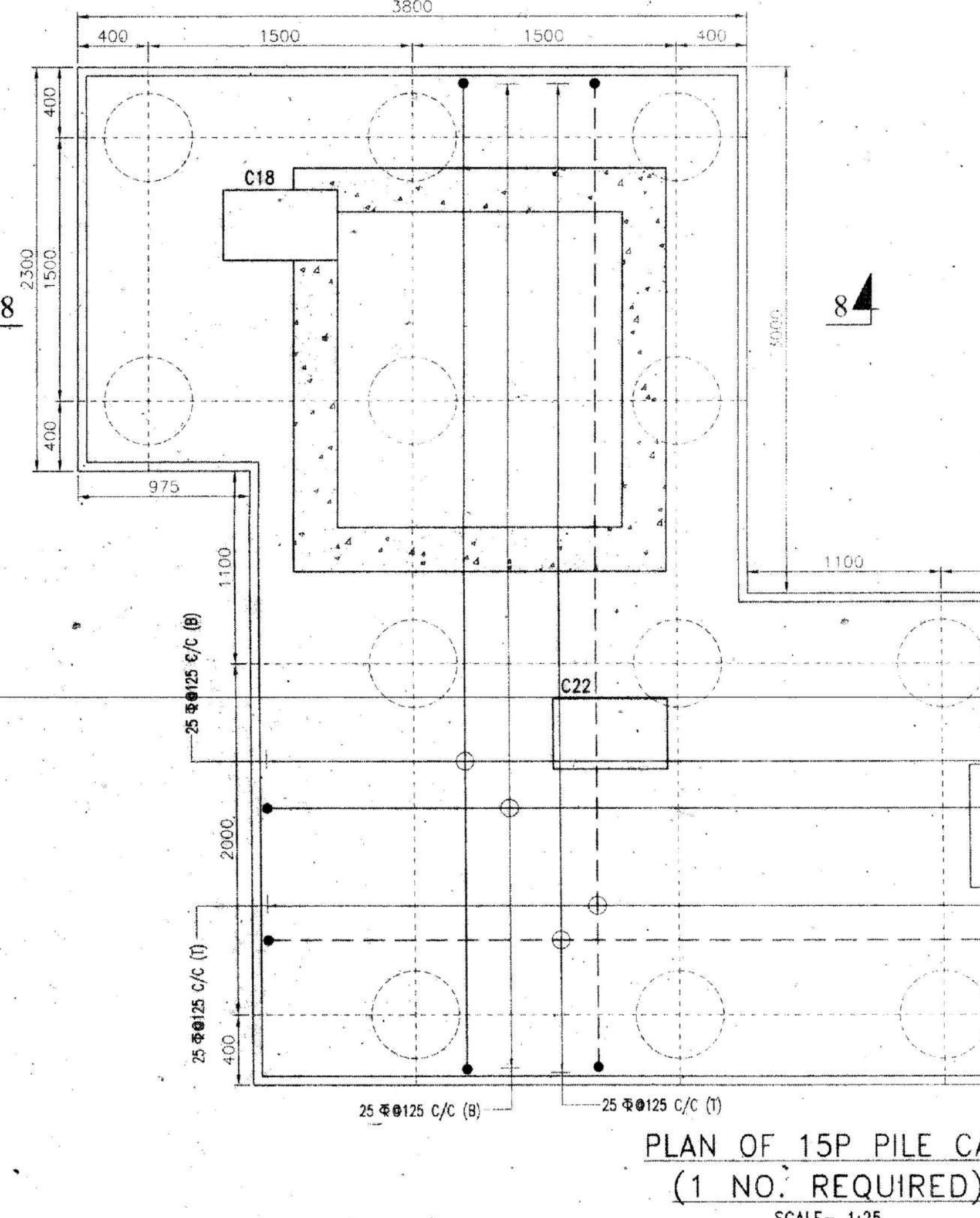
SECTION 8-8
SCALE 1:25



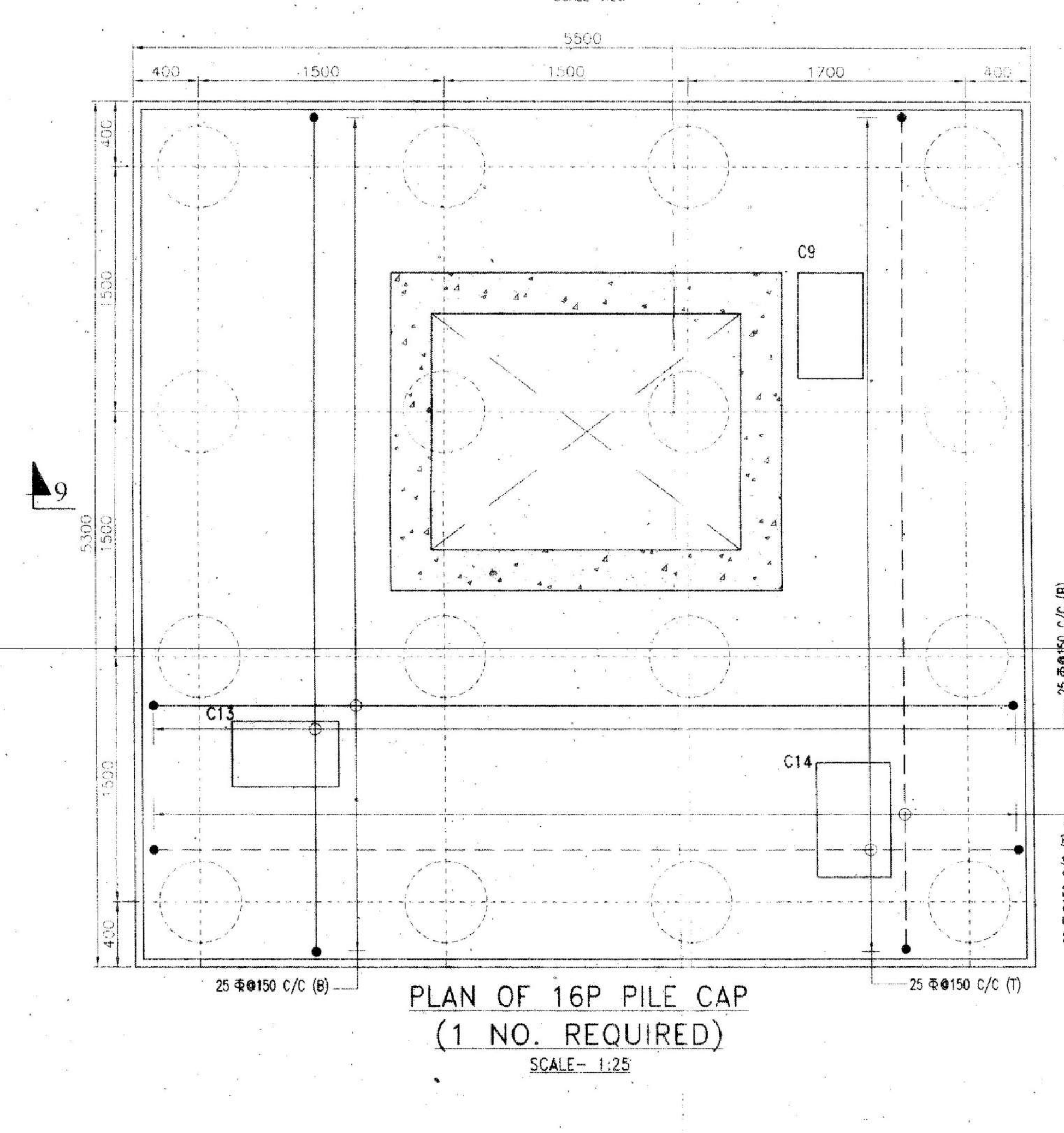
LIFT WALL PLAN AT BASE LEVEL
SECTION (Q-Q)
SCALE 1:25



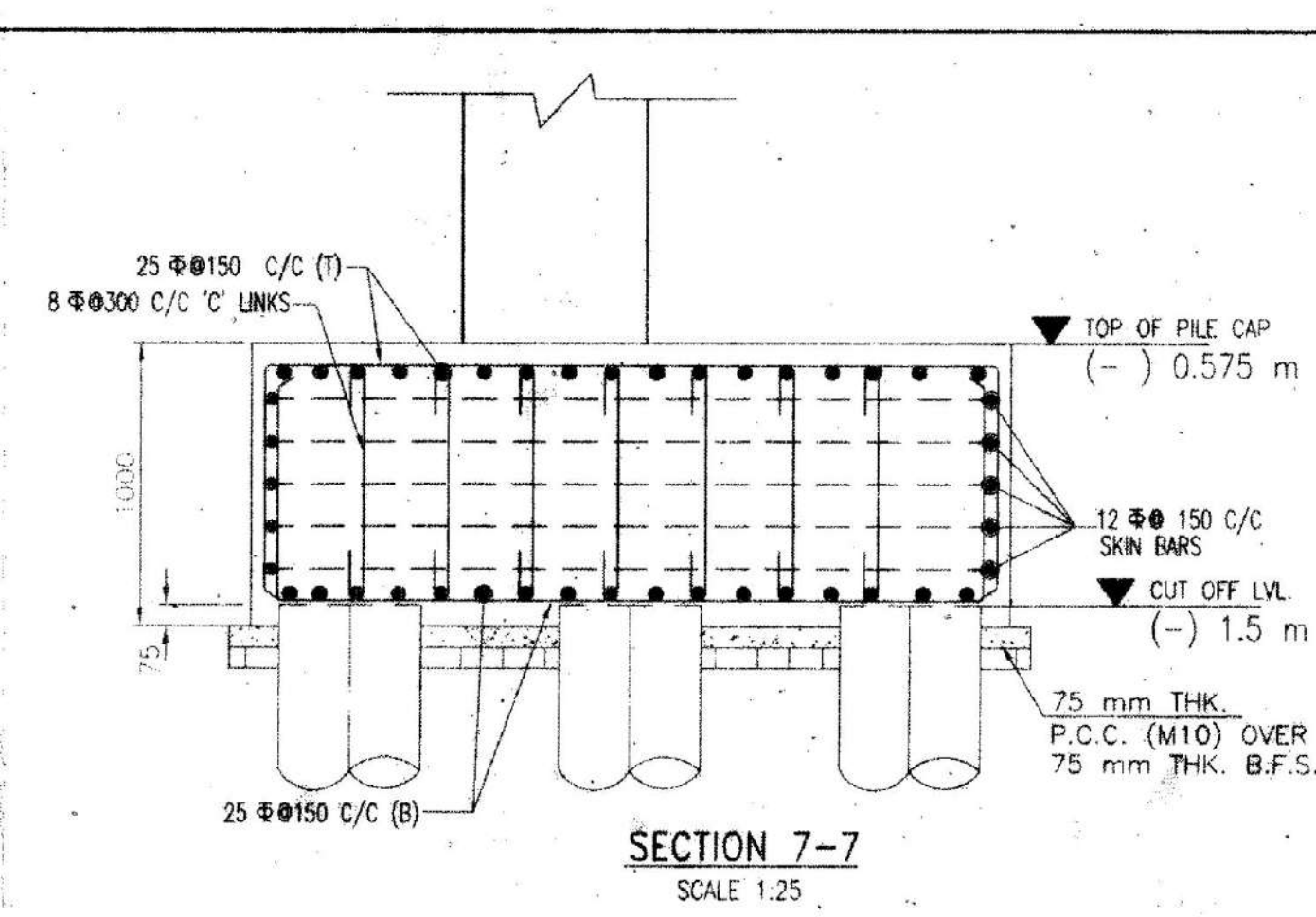
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (P-P)
SCALE 1:25



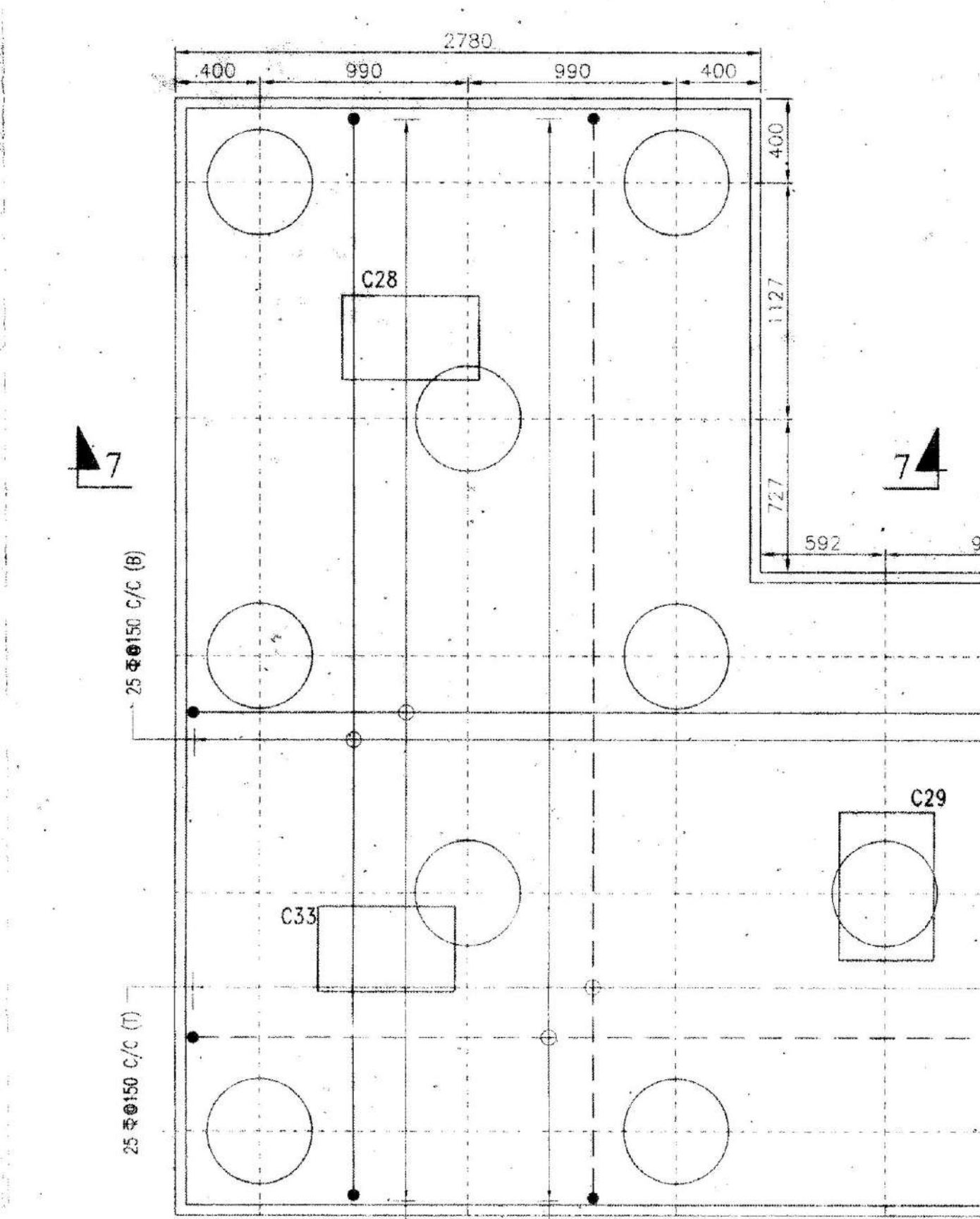
PLAN OF 15P PILE CAP
(1 NO. REQUIRED)
SCALE= 1:25



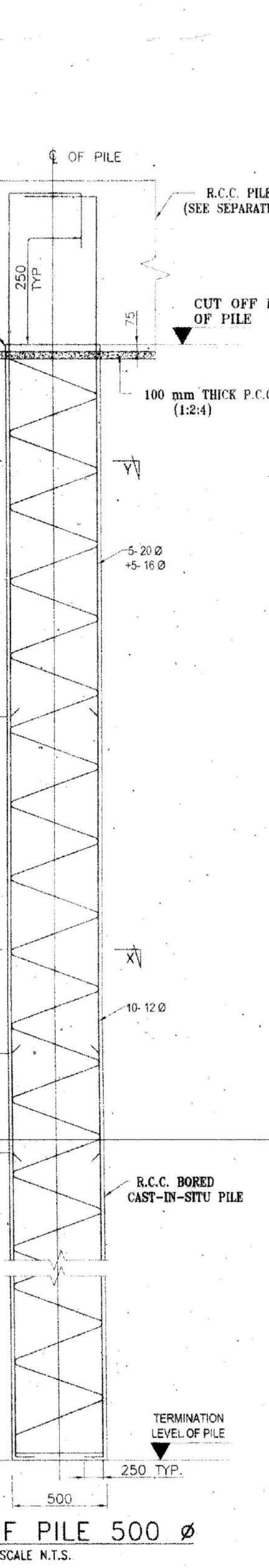
PLAN OF 16P PILE CAP
(1 NO. REQUIRED)
SCALE= 1:25



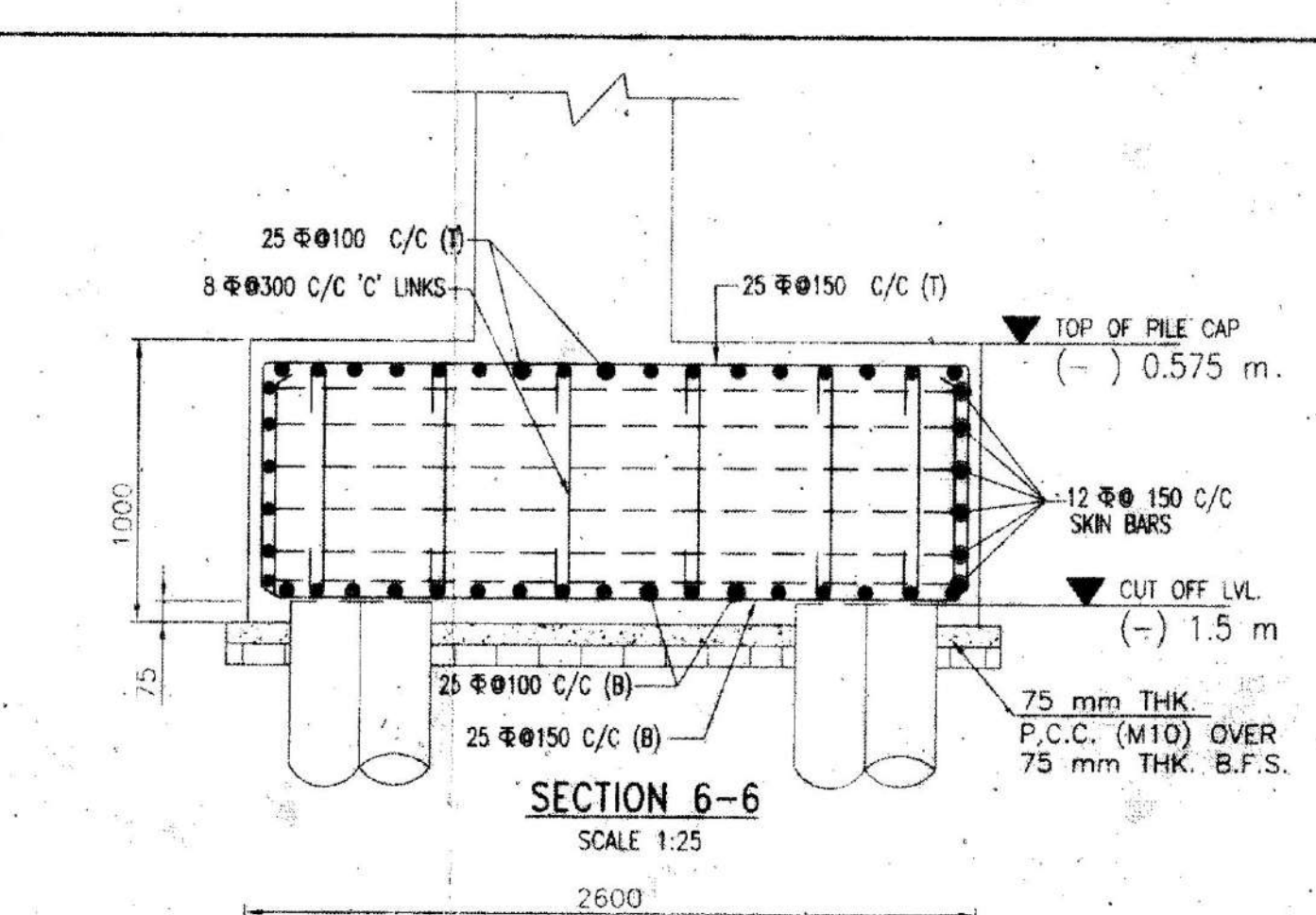
SECTION 7-7
SCALE 1:25



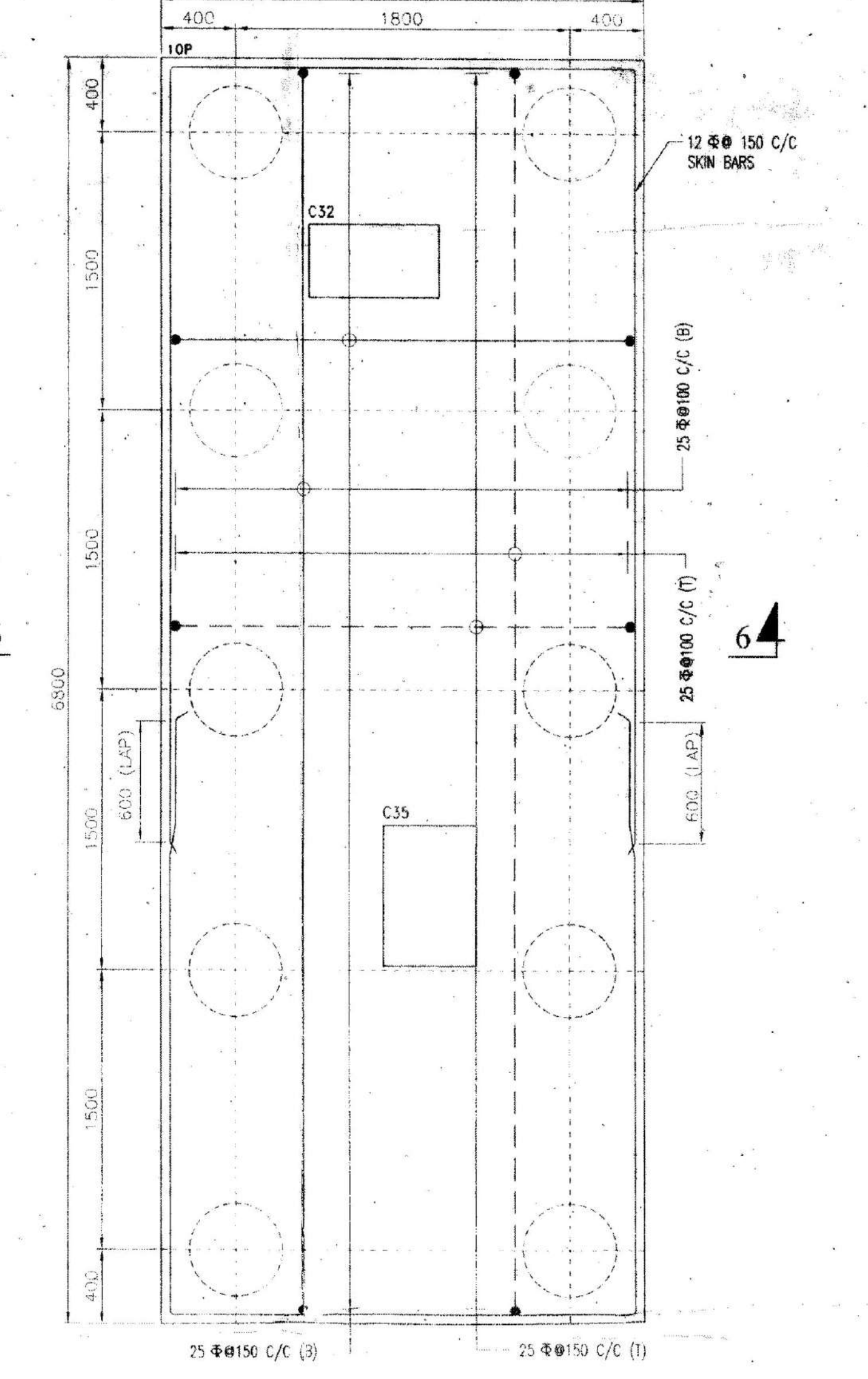
PLAN OF 11P PILE CAP
(1 NO. REQUIRED)
SCALE= 1:25



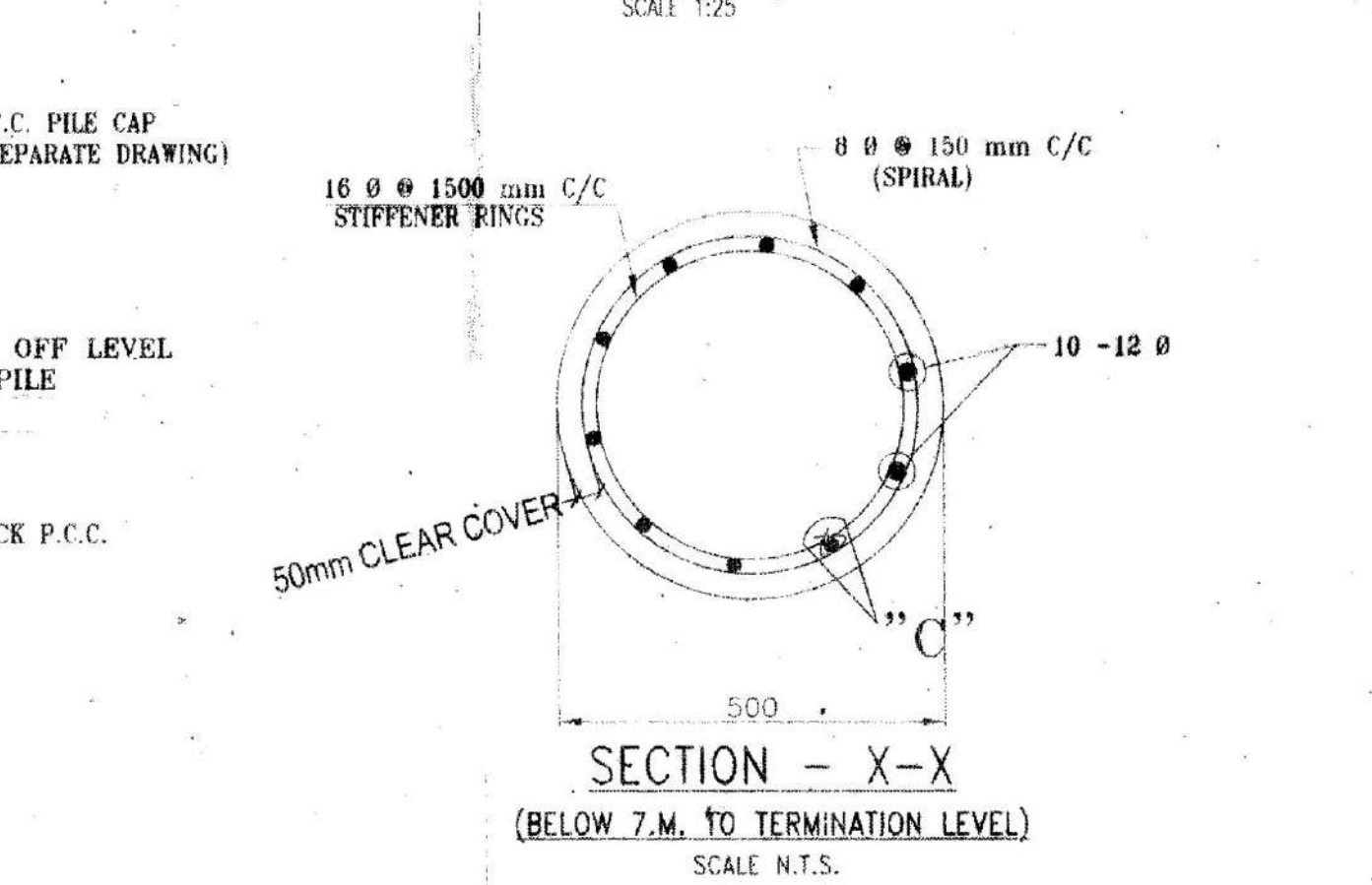
SIZE OF PILE 500 Ø
SCALE N.T.S.



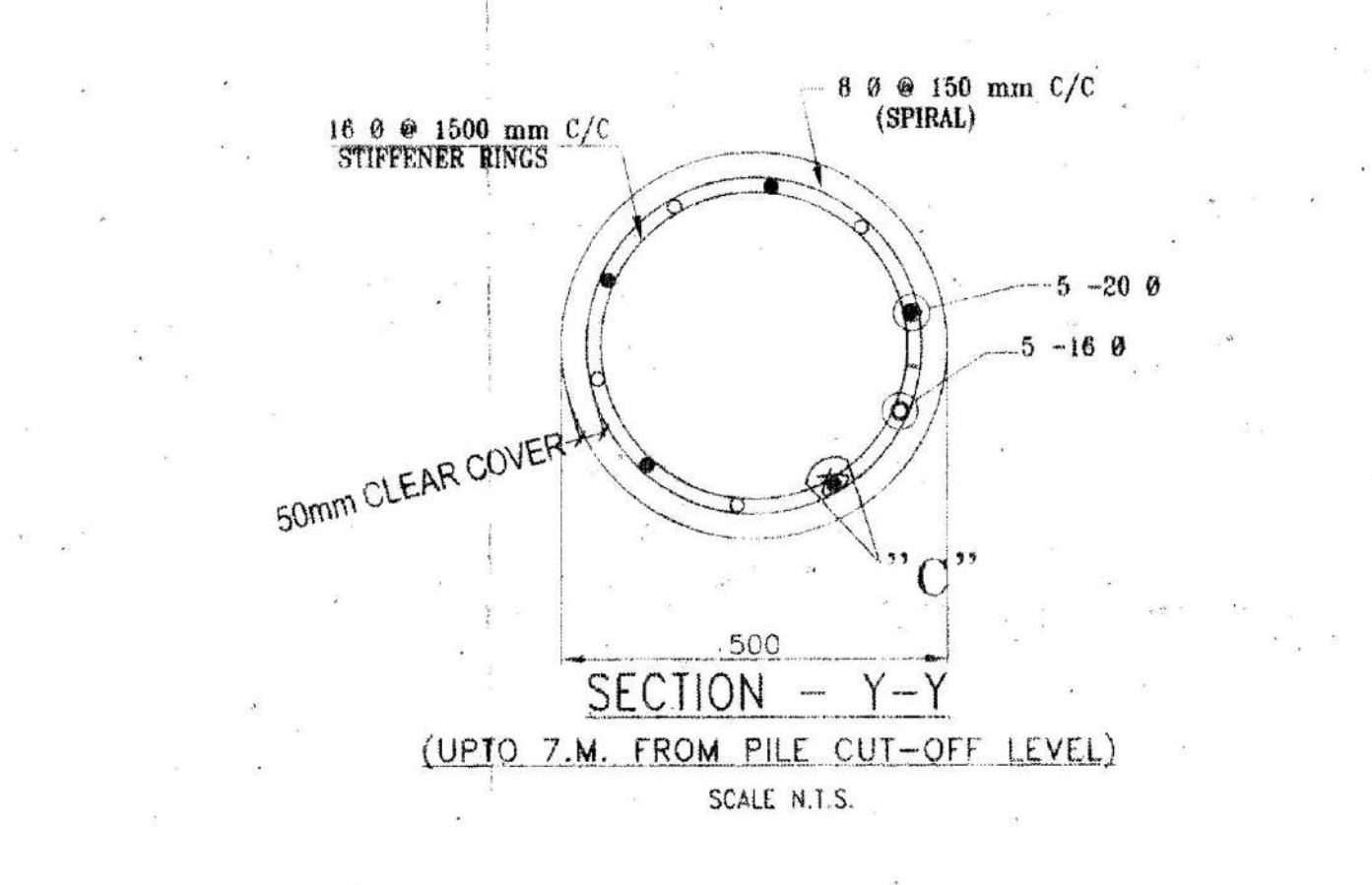
SECTION 6-6
SCALE 1:25



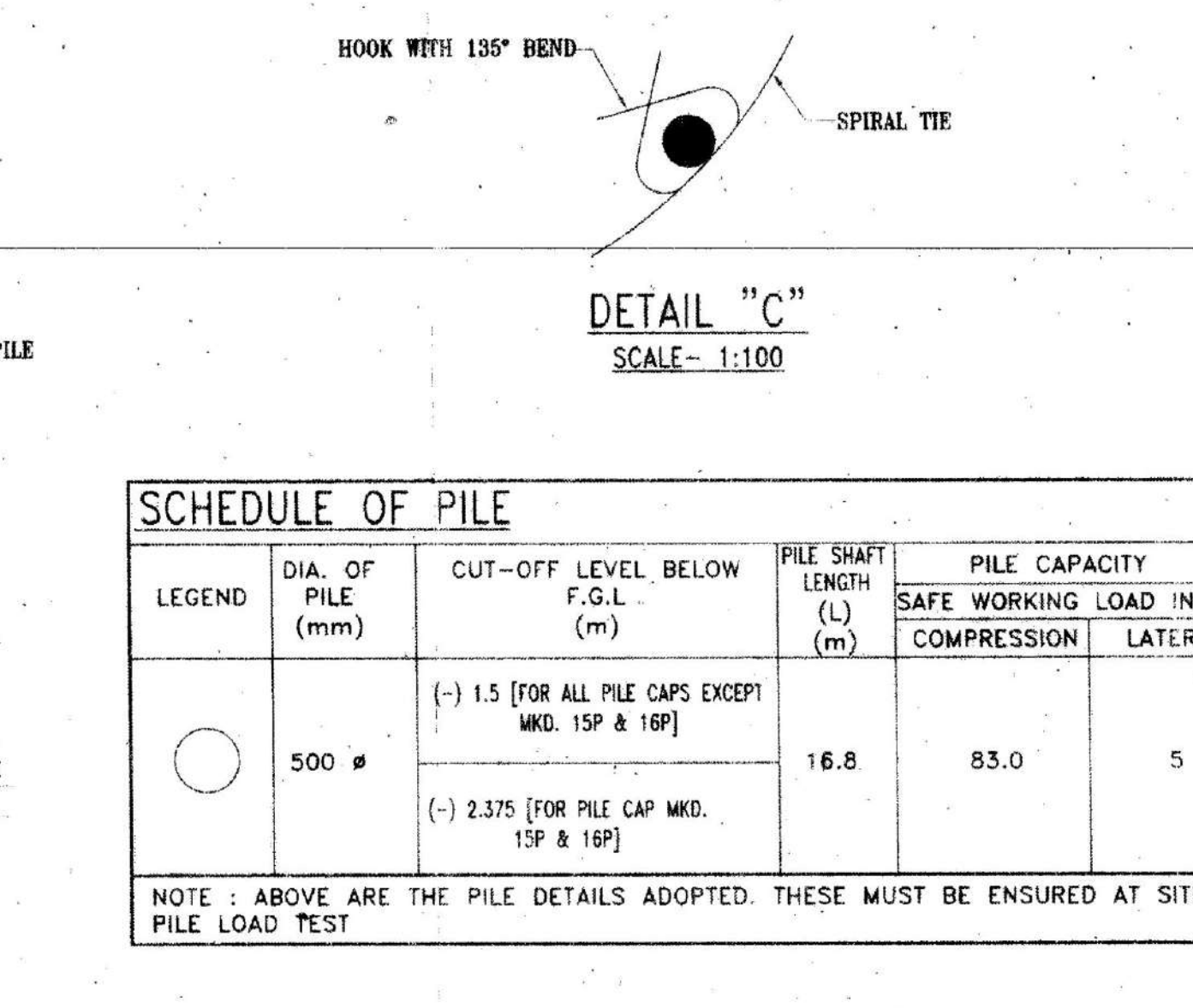
TYP. RNF. DET. OF PILE CAP MKD.-10P
SCALE 1:25



SECTION - X-X
(BELOW 7.M. TO TERMINATION LEVEL)
SCALE N.T.S.



SECTION - Y-Y
(UPTO 7.M. FROM PILE CUT-OFF LEVEL)
SCALE N.T.S.



DETAIL 'C'
SCALE= 1:100

SCHEDULE OF PILE				
LEGEND	DIA. OF PILE (mm)	CUT-OFF LEVEL BELOW F.G.L. (m)	PILE SHAFT LENGTH (L) (m)	PILE CAPACITY SAFE WORKING LOAD IN TONS COMPRESSION LATERAL
○	500 #	(-) 1.5 [FOR ALL PILE CAPS EXCEPT MKD. 15P & 16P]	16.8	83.0 5
○	500 #	(-) 2.375 [FOR PILE CAP MKD. 15P & 16P]	16.8	83.0 5

NOTE : ABOVE ARE THE PILE DETAILS ADOPTED. THESE MUST BE ENSURED AT SITE BY PILE LOAD TEST

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
- ±0.00 LVL. REFERS TO G.L.
- CLEAR COVER SHALL BE AS FOLLOWS:-

NO.	ITEM	SIZE	COVER
1)	PILE CAP	50 mm	50 mm
2)	PILE WALL	50 mm	50 mm

- GRADE OF CONCRETE FOR PILE & PILE CAP SHALL BE M25 AS PER IS:456:2000.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE 100% OF GRADE Fe-500/50D CONFORMING TO IS:1786:2008.
- CONCRETE GRADE OF PILE SHALL BE M25 WITH MINIMUM CEMENT CONTENT OF 400KG/COM OF CONCRETE & SLUMP BETWEEN 150mm TO 180mm.
- CONCRETING SHALL BE DONE AS SOON AS POSSIBLE AFTER FORMS ARE REACHED WITHIN 500 TO 750mm FROM BOTTOM LEVEL OF BORE HOLE.
- CONCRETING SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETING THE PILE BORE. THE BORE HOLE FULL OF DRILLING MUD SHOULD NOT BE LEFT UNCONCRETED FOR MORE THAN 12 TO 24 HOURS BEFORE POURING THE STABILITY OF BORE HOLES.
- FOR PLACING CONCRETE IN PILE BORE A FUNNEL SHOULD BE USED A METHOD OF CONCRETING SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE BORE IS FILLED UP WITHOUT THE FORMATION OF VOIDS.
- THE PILE HEADS SHALL PROJECT IN TO THE PILE CAP 75mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
- ALL LAP JOINTS AND DEVELOPMENT LENGTHS SHALL BE 50DIA. & TACK WELDED.
- INITIAL PILE LOAD TEST AND ONE NUMBER ROUTINE LOAD TEST SHALL BE PERFORMED AS PER IS CODE FOR EVERY 100 PILES.
- SPACER BAR OF DIA 18 ARE TO BE PROVIDED AT AN INTERVAL OF 1500 mm C/C.
- REINFORCEMENT TO BE USED AS PER IS CODE.
- VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
- THIS DRAWING SHALL BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.
- REFERENCE IS TO BE MADE IN CONNECTION WITH RELEVANT SURVEY DRAWING.
- FOUNDATION ENGINEER'S RECOMMENDATIONS MUST BE ENSURED AT SITE BY IN-SITU PILE LOAD TEST.

SPECIAL NOTES:
THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.

TITLE
STRUCTURAL DRAWING OF PROPOSED G+10 STORED RESIDENTIAL (APARTMENT) BUILDING OF SHREE BUILDERS & DEVELOPERS PVT. LTD. OVER PLOT NO- [28/52/7(R.S.) 57(L.R.) L.R. KHATAN NO- 2335,2336,2337 & 2338 J.L. NO-95(R.S) 109 (L.R.) MOUZA- SHANKARPUR P.S.-N.T.P.S., DIST. -PASHCHIM BURDWAN.
LAND OWNERS- 1) SRI SANJAY BAJORIA, 2) SRI PAWAN BAJORIA, 3) SMT. JYOTI AGARWAL & 4) SRI MUKESH AGARWAL

CERTIFICATE OF STRUCTURAL ENGINEER
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME KEEPING THE PROVISION OF IS:456:2000 INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

Dipankar Chatterjee
10/7/19

SIGNATURE OF CONSULTANT/ARCHITECT SIGNATURE
I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF IS:456:2000 AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECTS.

Jai Chatterjee
10/7/19

SIGNATURE OF GEO-TECHNICAL ENGINEER
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

ASIM SARKAR
BCE, ME (SOIL), MIBS
ENR/ELLS & GEOTECHNICAL ENGINEER
K.M.C. NO. CLASS-1/2

SIGNATURE OF PANCHAYAT PRADHAN
Approved Plan No. [28/52/7(R.S.) 57(L.R.) 2020]
N.D. 2019-2020
Valid upto 18/03/2022

Mallika Chatterjee
19/10/2020

SIGNATURE OF VETTING AUTHORITY
CHECKED & VETTED
DR. DIPANKAR CHATTERJEE
STRUCTURAL ENGINEER (MIBS)
PROFESSOR & HEAD OF DEPARTMENT
JADAVPUR UNIVERSITY
PILERS/NOVA/STRUCTURAL REVIEWER (MIBS)
B.E. (U) / GOLD MEDALIST
M. TECH. LIT/IC (SOIL) MEDALIST
(CIVIL) 033-2457 2689
101, RAJABAGICHAUD ROAD, KOLKATA-700032
EMAIL: prof.dipankar@gmail.com

CERTIFICATE OF OWNER
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE DONE THROUGH THE M.C. OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

SHREE BUILDERS & DEVELOPERS
PARTNERS

DRAWING TITLE
PILE & PILECAP LAYOUT PLAN AND REINFORCEMENT DETAILS AND TYPICAL SECTION OF LIFT SHEAR WALL

SCALE=1:100 OR AS SHOWN
DATE= 24.06.2019