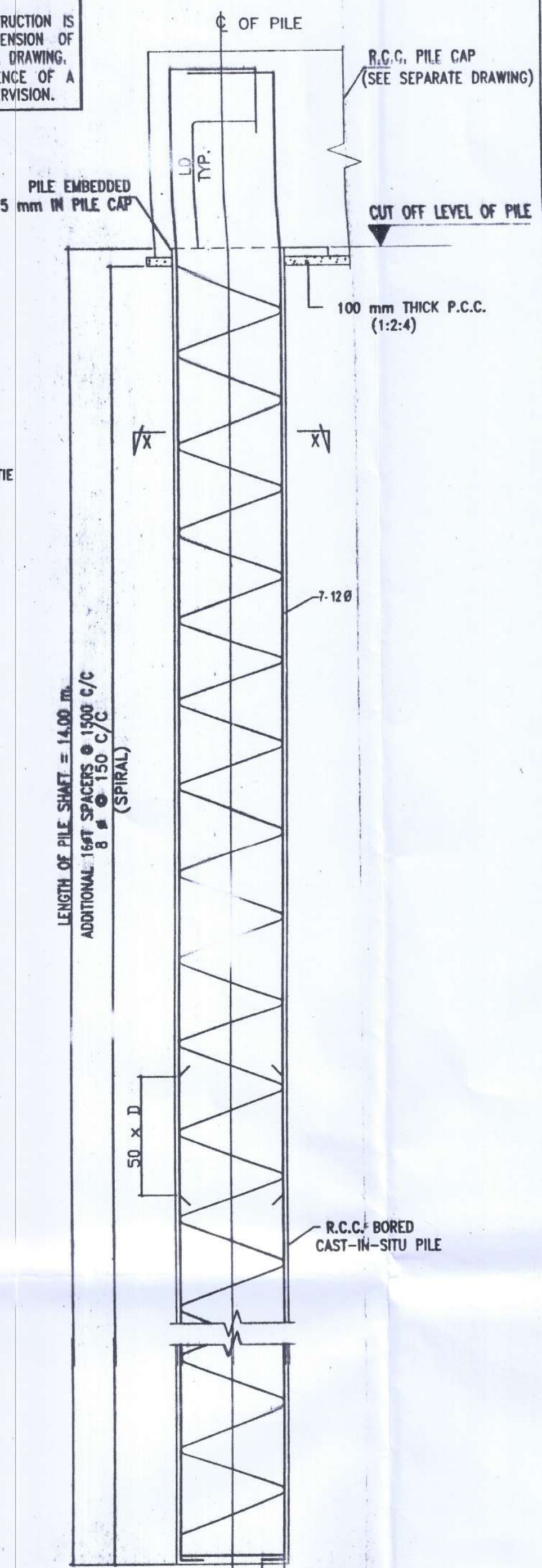


SPECIAL NOTES:-
 1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
 2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



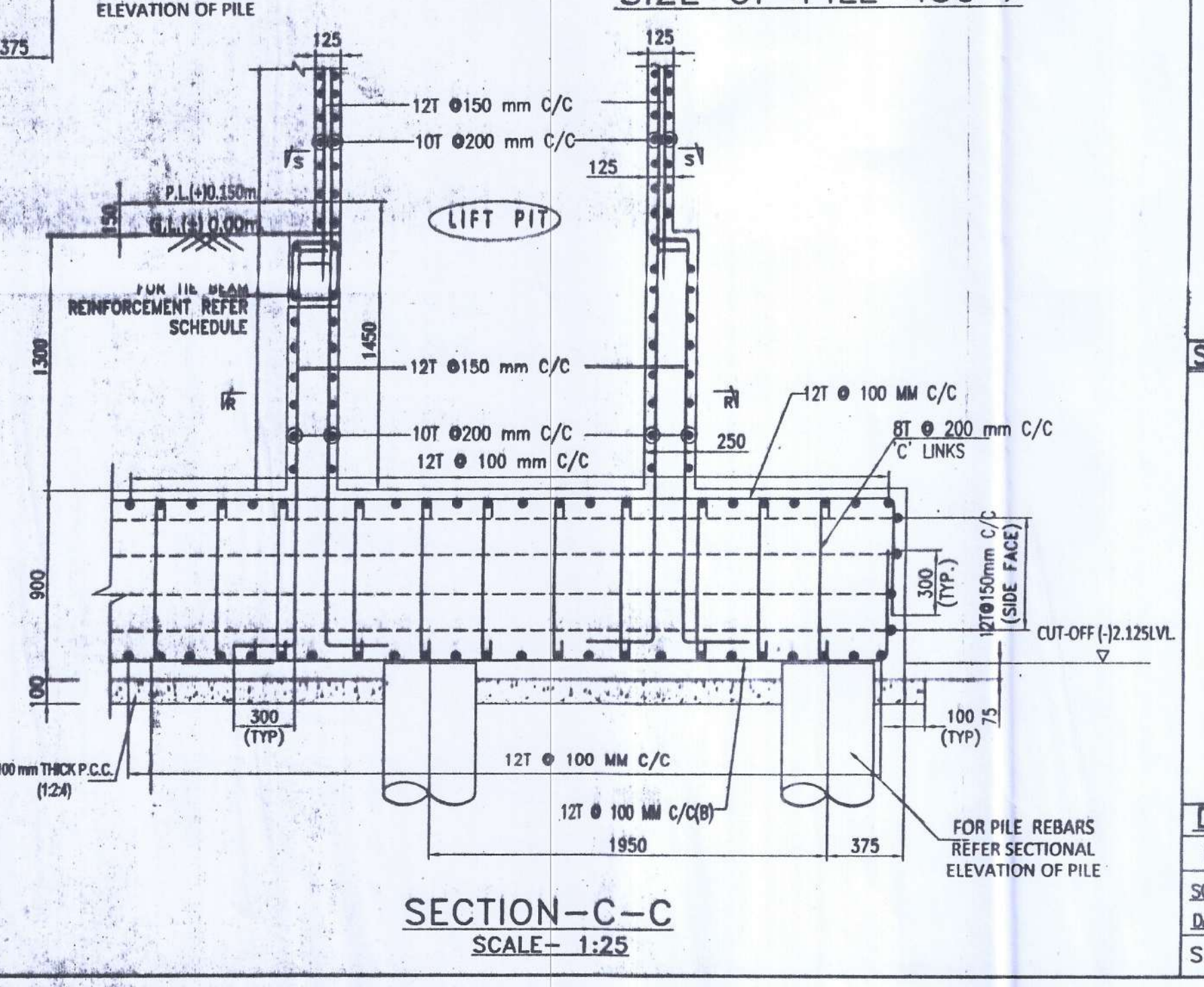
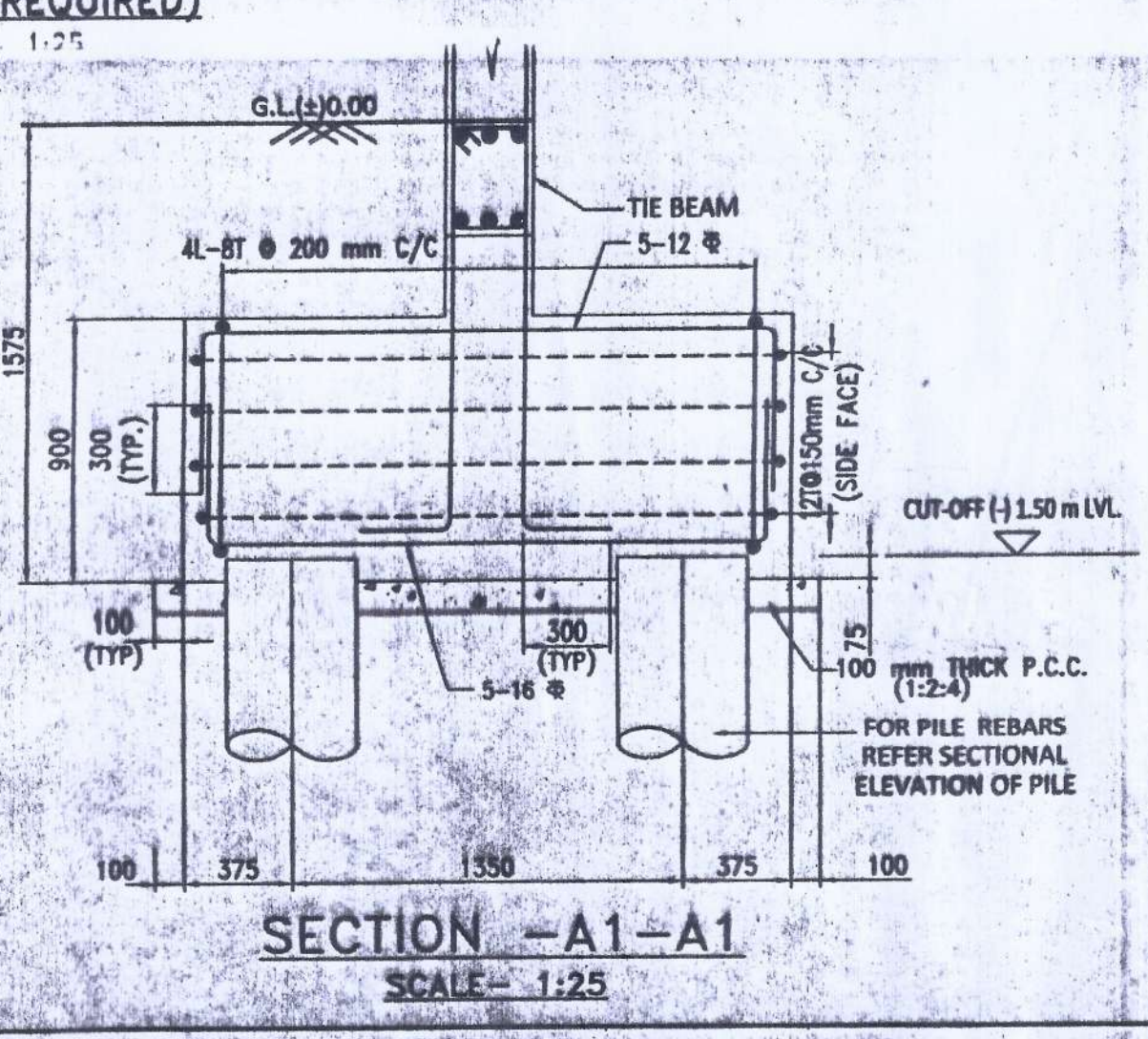
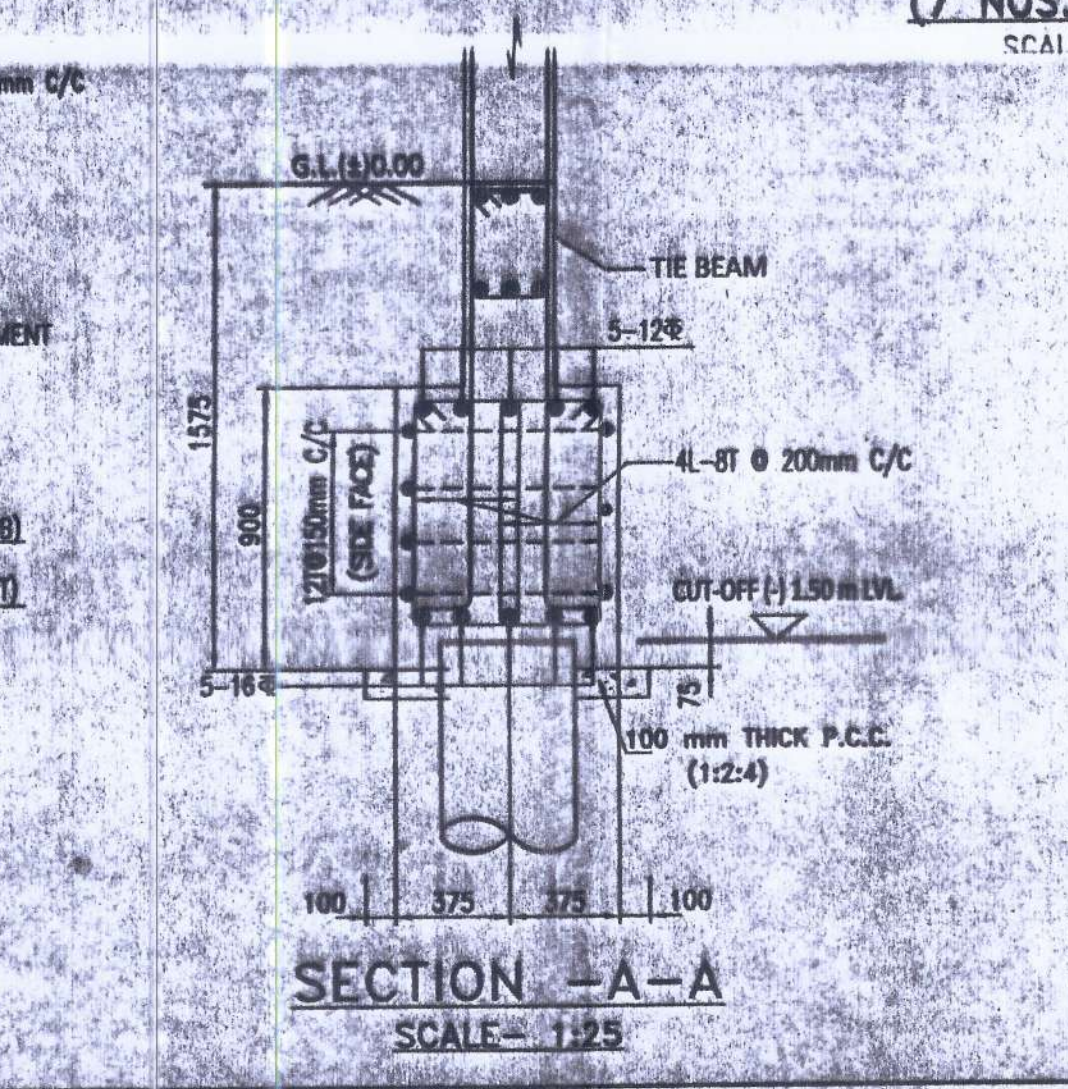
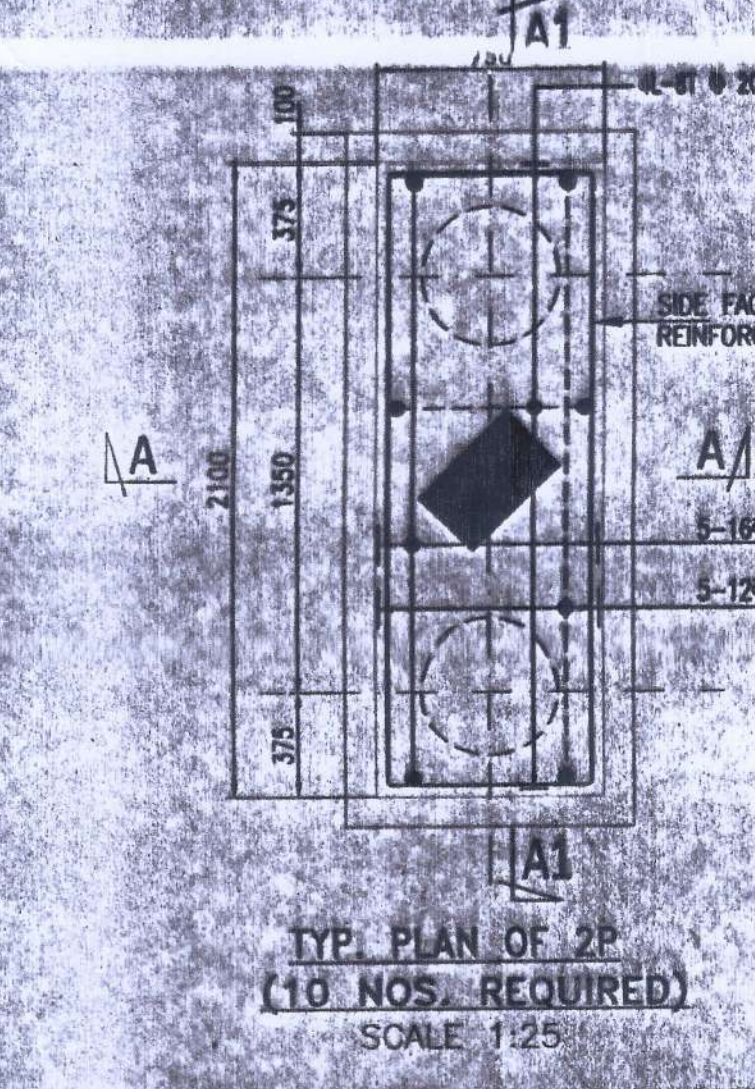
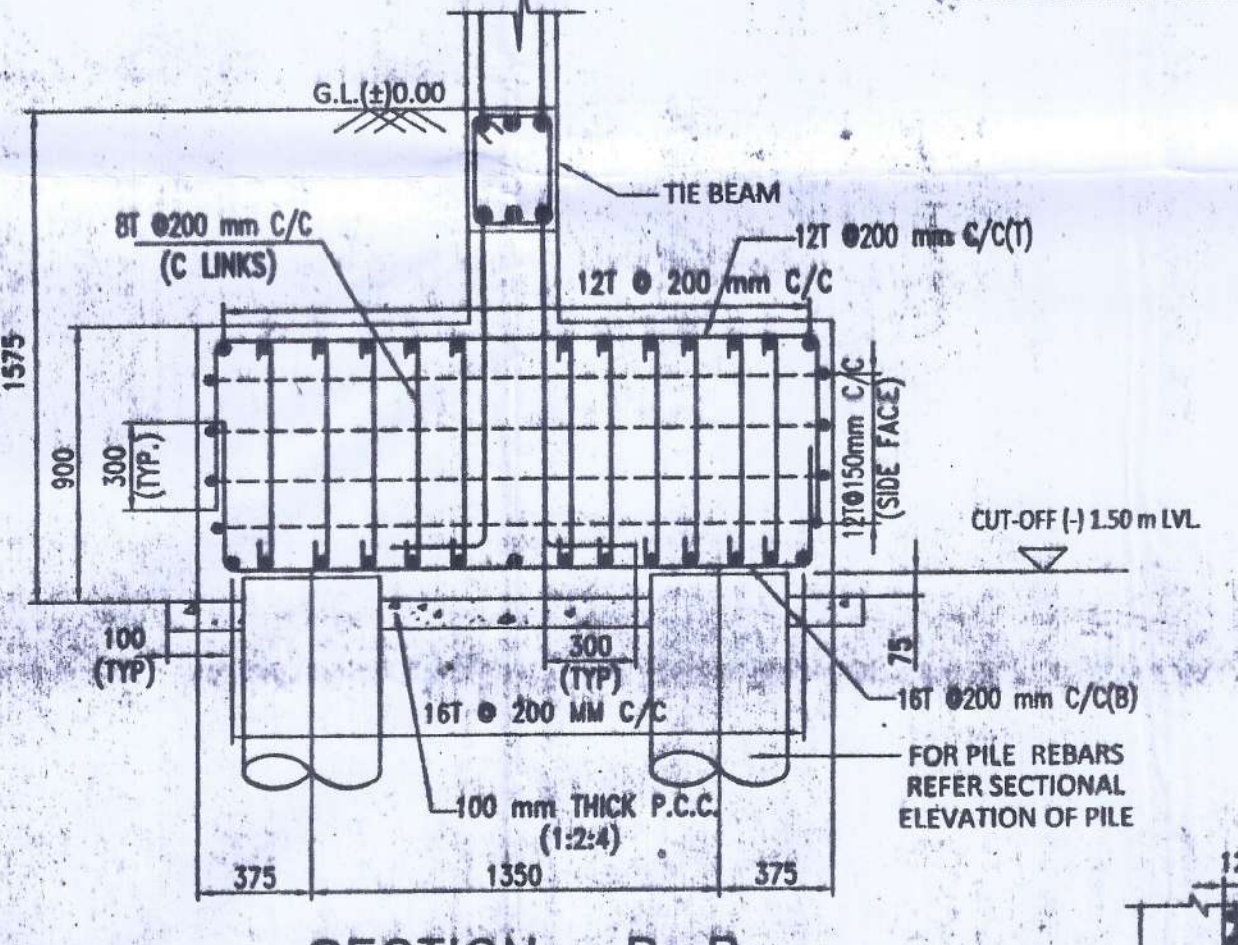
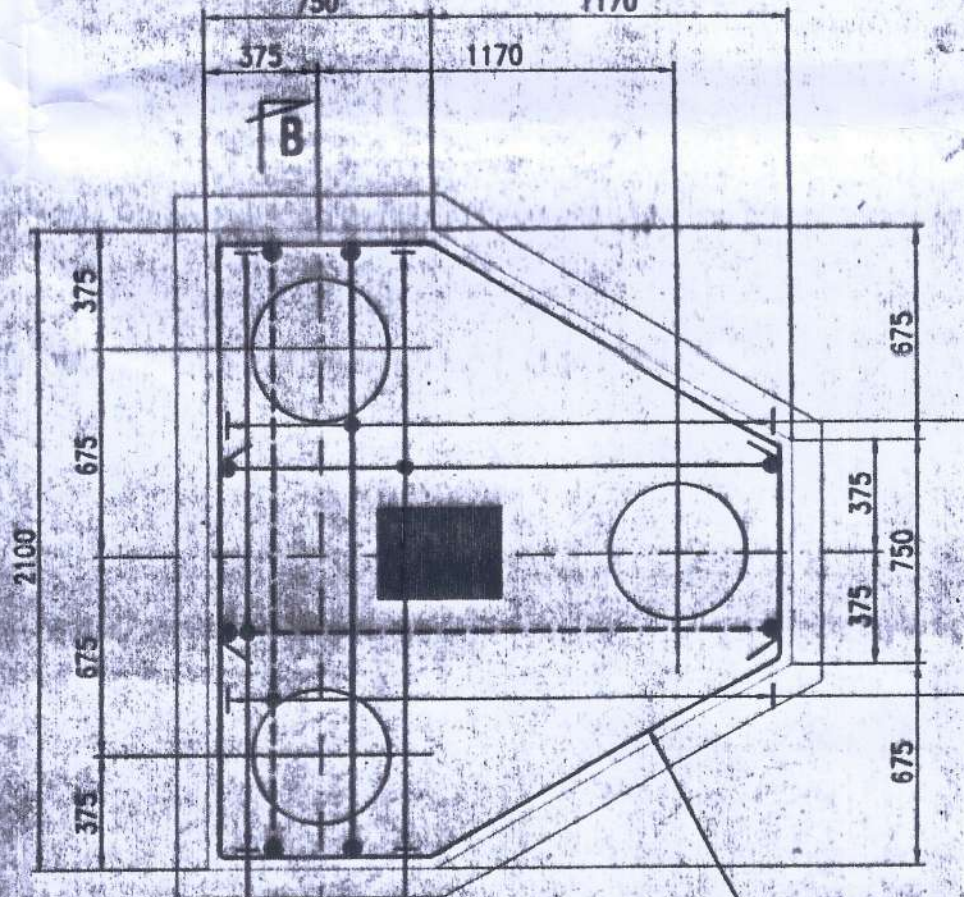
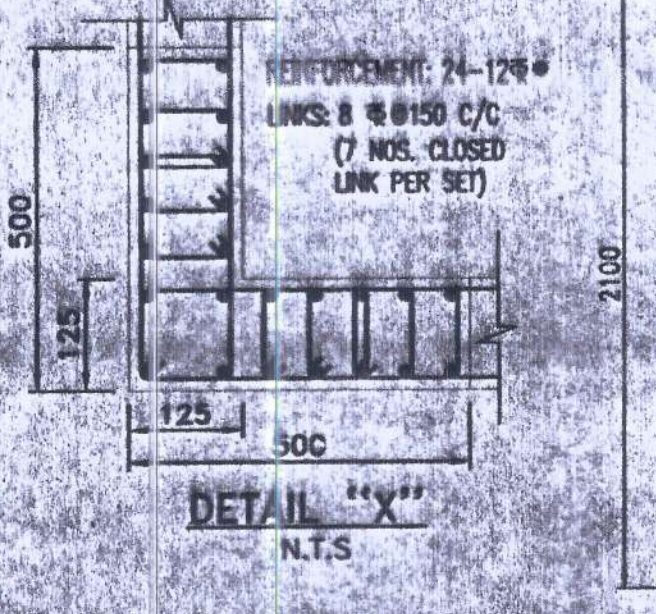
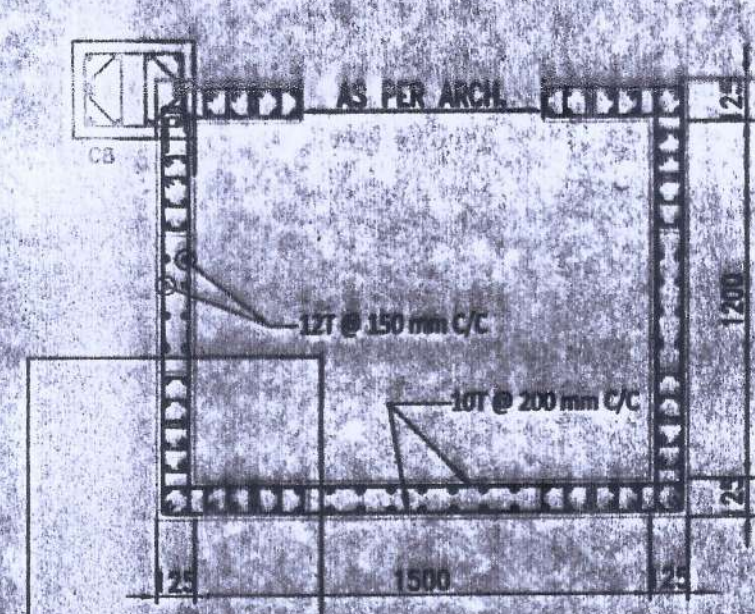
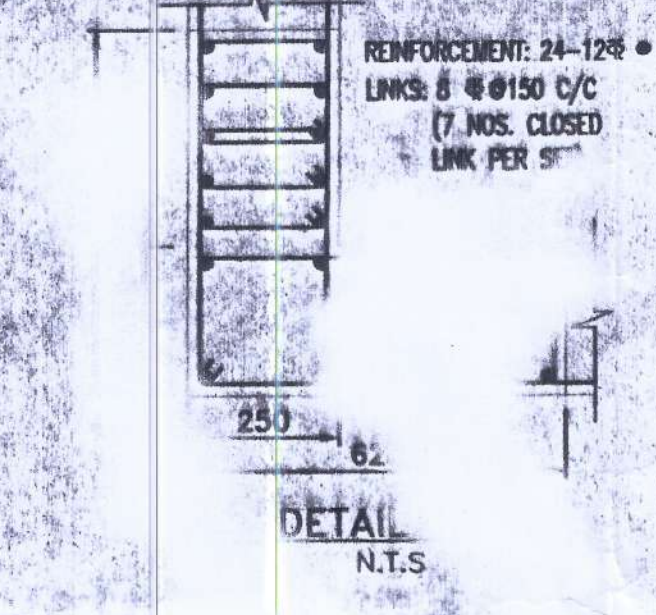
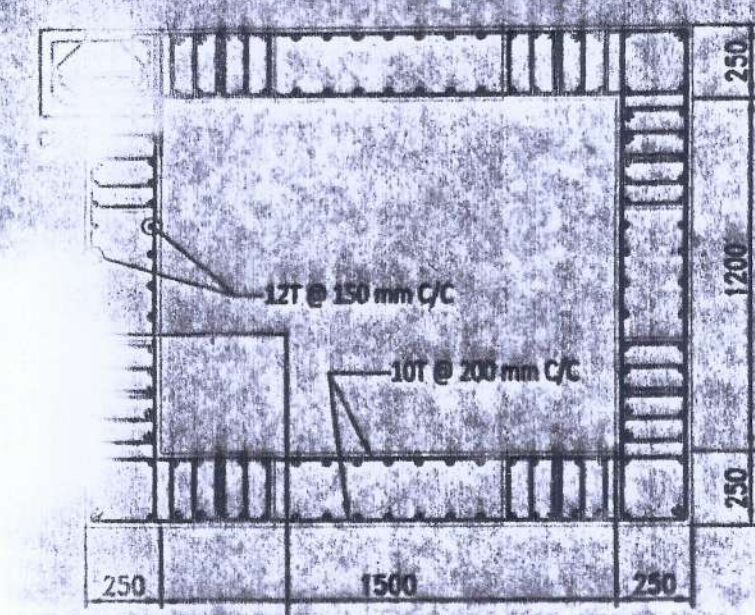
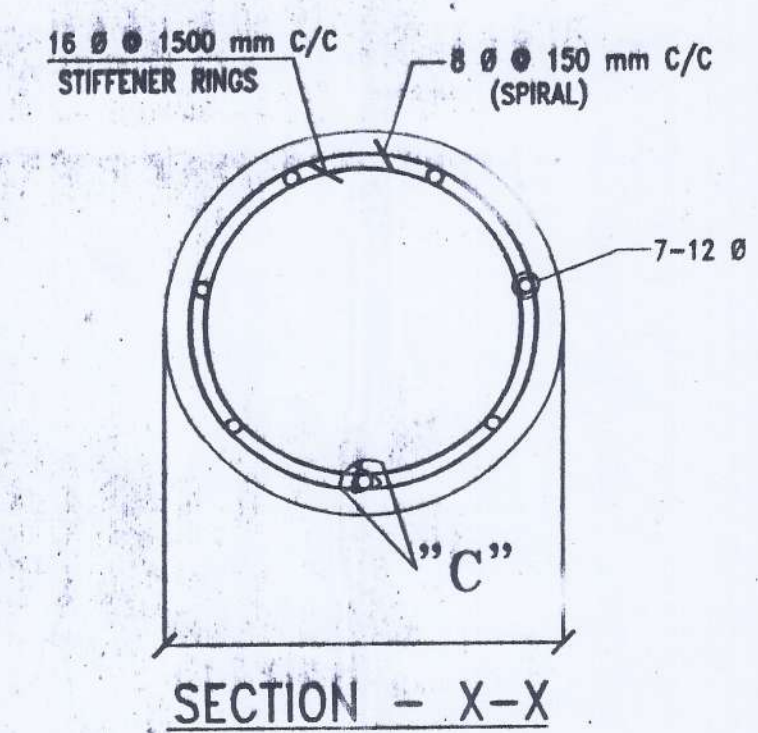
- NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
 - ±0.00 (V.L) REFERS TO G.I.
 - CLEAR COVER SHALL BE AS FOLLOWS:-

	TOP	BOTTOM	SIDE
a) PILE-	60 mm	60 mm	50 mm
b) PILE CAP-	60 mm	60 mm	60 mm
c) LIFT WALL-			20 mm
 - GRADE OF CONCRETE FOR PILE CAP SHALL BE M25 AS PER IS-456:2000.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 - CONCRETE GRADE OF PILE SHALL BE M25 WITH MINIMUM CEMENT CONTENT OF 400kg/CUM OF CONCRETE & SLUMP BETWEEN 150mm TO 180mm.
 - CONCRETING SHALL BE DONE BY SUITABLE TREMIE ONLY & IT SHOULD BE 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 DEPENDING UPON THE STABILITY OF BORE HOLES.
 - FOR PLACING CONCRETE IN PILE BORE A FUNNEL SHOULD BE USED & 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 50xDIA & 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 116 ARE TO BE PROVIDED AT AN INTERVAL OF 1500 mm C/C.
 - BENTONITE TO BE USED AS PER IS CODE.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - THIS DRAWING SHOULD BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SURVEY DRAWING.
 - PILE CAPACITY OF SOIL & OTHER NECESSARY INFORMATION HAS BEEN CONSIDERED AS PER SOIL REPORT PREPARED BY MR. BHASKARJYOTI ROY. THESE RECOMMENDATIONS MUST BE ENSURED AT SITE BY IN-SITU PILE LOAD TEST.

SCHEDULE OF PILE

LEGEND	DIA. OF PILE (mm)	CUT-OFF LEVEL BELOW G.L. (m)	PILE SHEET LENGTH (L) (m)	PILE CAPACITY SAFE WORKING LOADS		
				COMPRESSION	TENSION	LATERAL
○	450	(-) 1.500 [FOR ALL PILE CAPS EXCEPT 12P]	14.0	35.49	13.87	2.7
		(-) 2.125 [FOR 12P PILE CAP ONLY]				

NOTE: ABOVE ARE THE PILE DETAILS ADOPTED. THESE MUST BE ENSURED BY PILE LOAD TEST FOR VALIDITY OF THIS DRAWING.



TITLE
 STRUCTURAL DRAWING OF PROPOSED G+4 STORED RESIDENTIAL BUILDING AT MOUZA :- CHAKPACHURIA; J. L. NO.:-33 TOUZI NO. :-145, R.S. & L.R DAG NOS. 413; L. R. KHATIAN NOS. :- 4132. UNDER PATHARGHATA GRAM PANCHAYET P. S. RAJARHAT, DIST. 24-PGS.(N)

SIGNATURE OF OWNER
 Veni Realtors LLP
 Partner: Barney Kaur Singh, Partner: Rinku Kaur

SIGNATURE OF L.B.S./ARCHITECT

SIGNATURE OF STRUCTURAL ENGINEER
 S. Choudhury 29/04/22

SUSMITA CHOUDHURY
 B.TECH (CIVIL) - WBUT
 M.E (CONSTRUCTION) - JU
 ESE-11/RUPPON/130
 ESE-11/KMC/664
 STER/NKDA/21/00010
 CVER/NKDA/10/00178
 (M)-8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

CHECKED BY
 DR. BHASKARJYOTI ROY
 DIRECTOR GENERAL, ENGINEERING DIVISION
 WEST BENGAL GOVT. ENGINEERING COLLEGE
 RAJSHAHI, WEST BENGAL
 (M)-9830451321/7003201735

DRAWING TITLE
 FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS
 SCALE=1:100 OR AS SHOWN
 DATE=29.04.2022
 SHEET NO. - 1 OF 3