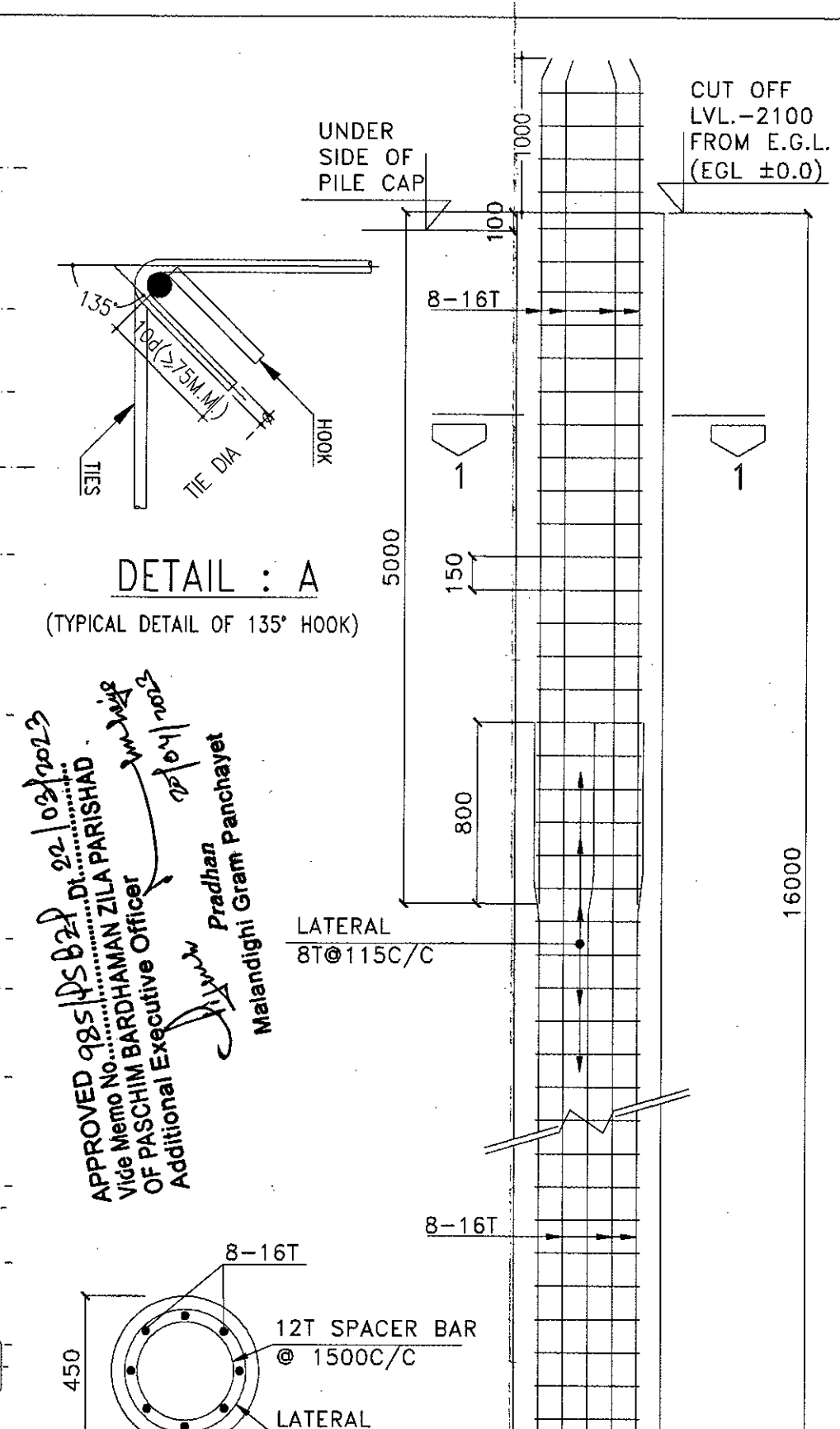
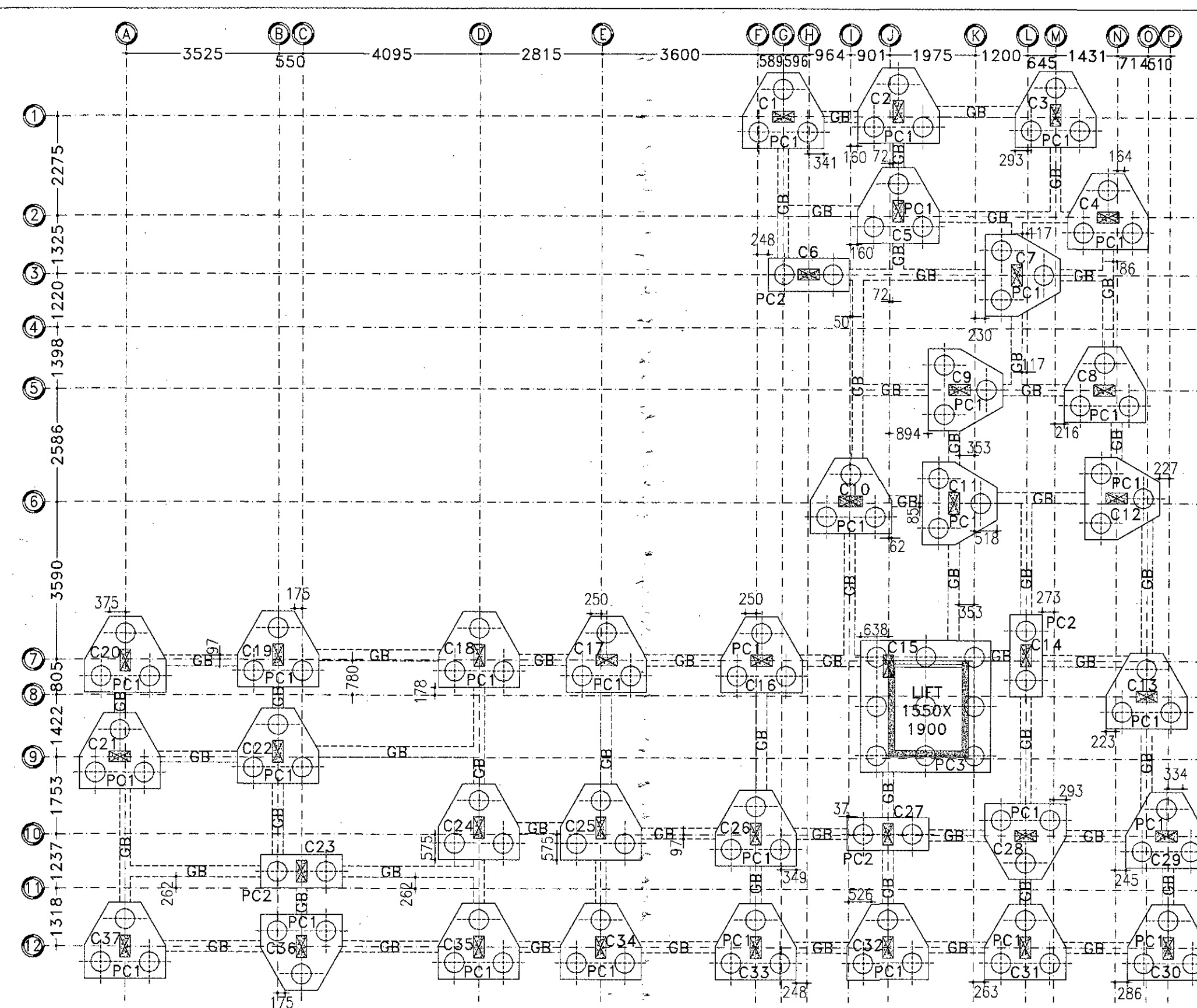
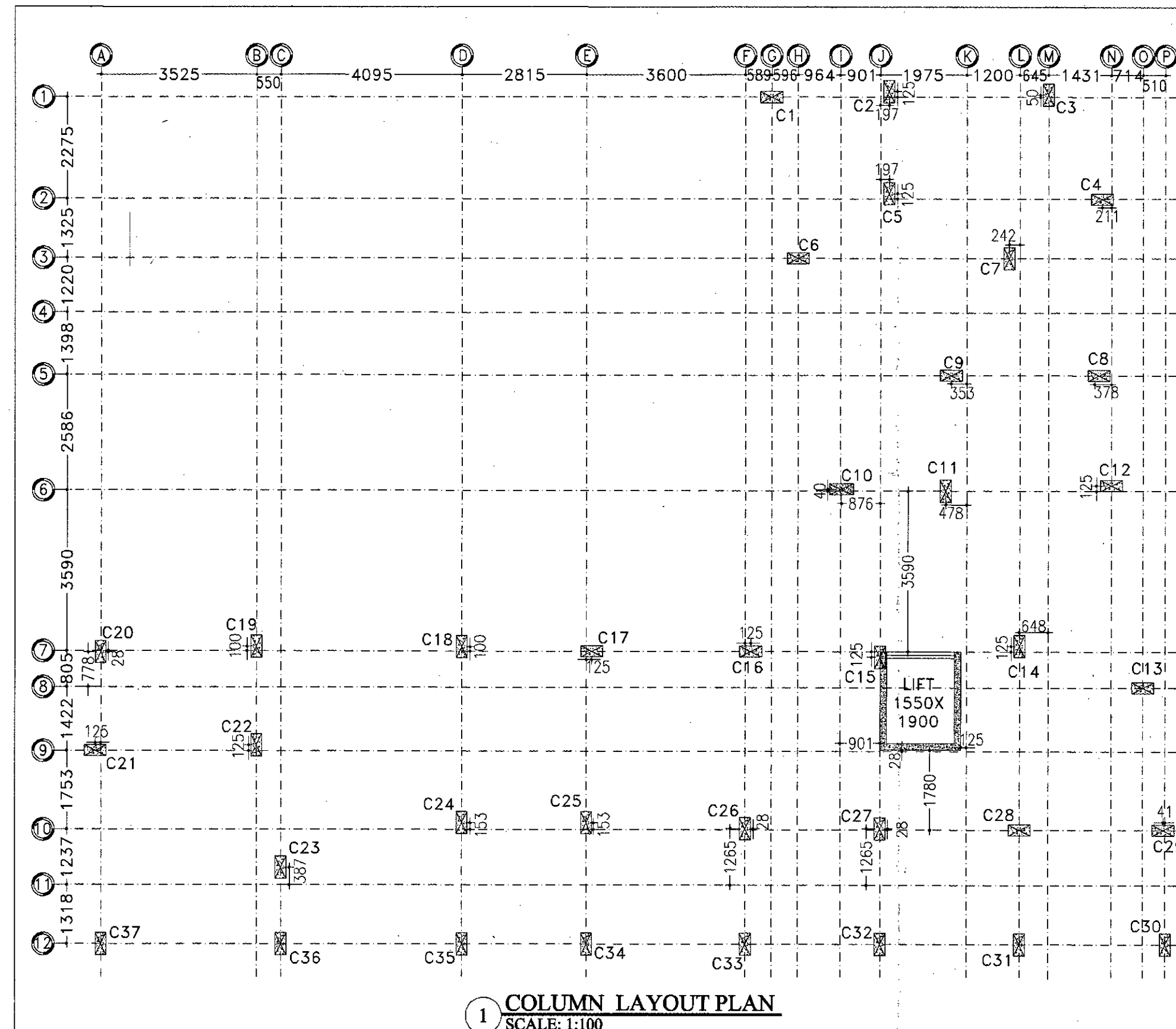




PROJECT NAME:-
STRUCTURAL DRAWING OF PROPOSED (G+7) EIGHT STORIED RESIDENTIAL BUILDING OF MR. NARESH CHANDRA RAHA. S/O LATE RAMESH CHANDRA RAHA. MR. ARABINDA KUMAR PAN, S/O BISHWA RANJAN PAN, MRS. SANGITA PAN, W/O MR. ARABINDA KUMAR PAN, (DEVELOPED BY MAXIPLE PROJECT DEVELOPMENT) L.R. PLOT NO-3258.3260, R.S PLOT NO-1600, KHATIAN NO-1482,2871,2872 J.L. NO-91, MOUZA-ARRAH, P. S -KANKSA, DIST-PASCHIM BARDHAMAN, WEST BENGAL

- NOTES :-**
- (±) 0.00 m LEVEL REFERS TO E.G.L.
 - UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH). HOWEVER ARCHITECTURAL DRAWING TO BE COORDINATED FOR ALL LEVELS.
 - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING
 - AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT. BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH=50x BAR DIA.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C
 - CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
a) Beam:-25mm, b) Column:-40mm, c) Slab:-15mm, d) Footing:-50mm, e) R.C.C Wall:-20mm, f) Stair:- 20mm.
 - Grade of concrete will be M30 for column and M25 for beam and sub structure as per is: 456:2000.
 - Development length 50xD for lap & splices should be provided as per the provisions laid down in SP34:1987

1. SCHEDULE OF COLUMNS

COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO 2ND FLOOR	3RD FLOOR TO 5TH FLOOR	6TH FLOOR TO ROOF	TIE	SHAPE OF STIRRUPS
C1,C2,C3,C4,C6, C8,C12,C13,C16, C17,C18,C19, C20,C21,C29,C30, C31,C32,C33,C34, C35,C36,C37.	23	500X250	REINFORCEMENT: 6-25 Φ 6-20 Φ	REINFORCEMENT: 4-25 Φ 8-20 Φ	REINFORCEMENT: 2-25 Φ 10-20 Φ	NEAR JUNCTION (UPTO 10' LENGTH) LINKS=8@75C/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS=8@150C/C (4 NOS. CLOSED LINK PER SET)	
C5,C7,C9,C11, C14,C15,C22, C23,C24,C25,C26, C27,C28.	13	500X250	REINFORCEMENT: 4-25 Φ 8-20 Φ	REINFORCEMENT: 2-25 Φ 10-20 Φ	REINFORCEMENT: 2-25 Φ 10-20 Φ	NEAR JUNCTION (UPTO 10' LENGTH) LINKS=8@75C/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS=8@150C/C (4 NOS. CLOSED LINK PER SET)	
C10.	01	550X250	REINFORCEMENT: 4-25 Φ 8-20 Φ	REINFORCEMENT: 2-25 Φ 10-20 Φ	REINFORCEMENT: 2-25 Φ 10-20 Φ	NEAR JUNCTION (UPTO 10' LENGTH) LINKS=8@75C/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS=8@150C/C (4 NOS. CLOSED LINK PER SET)	

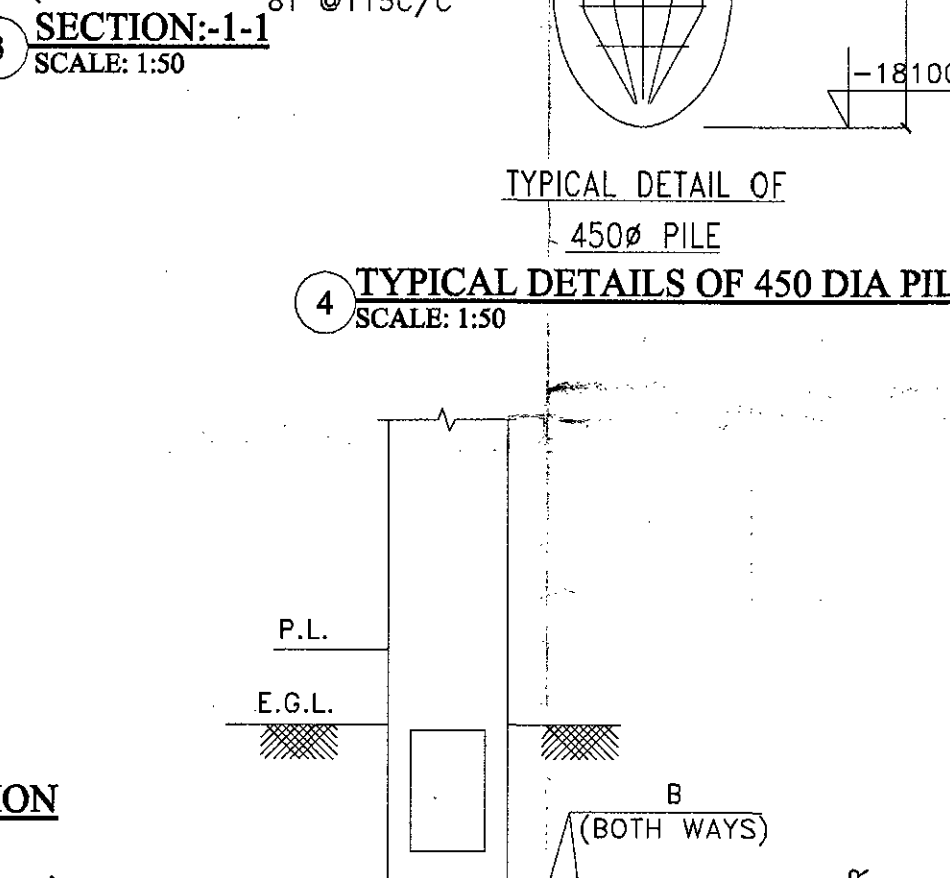
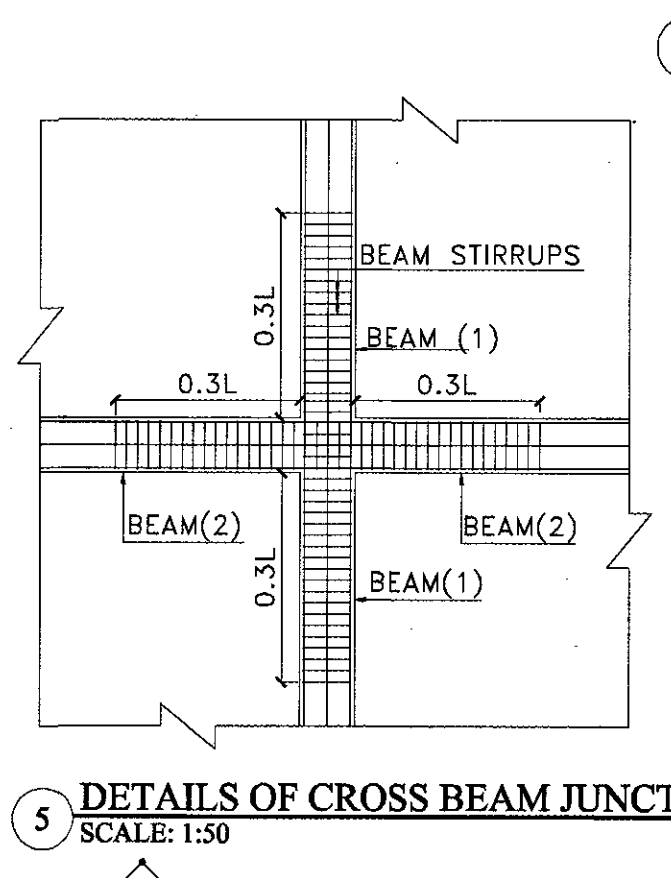
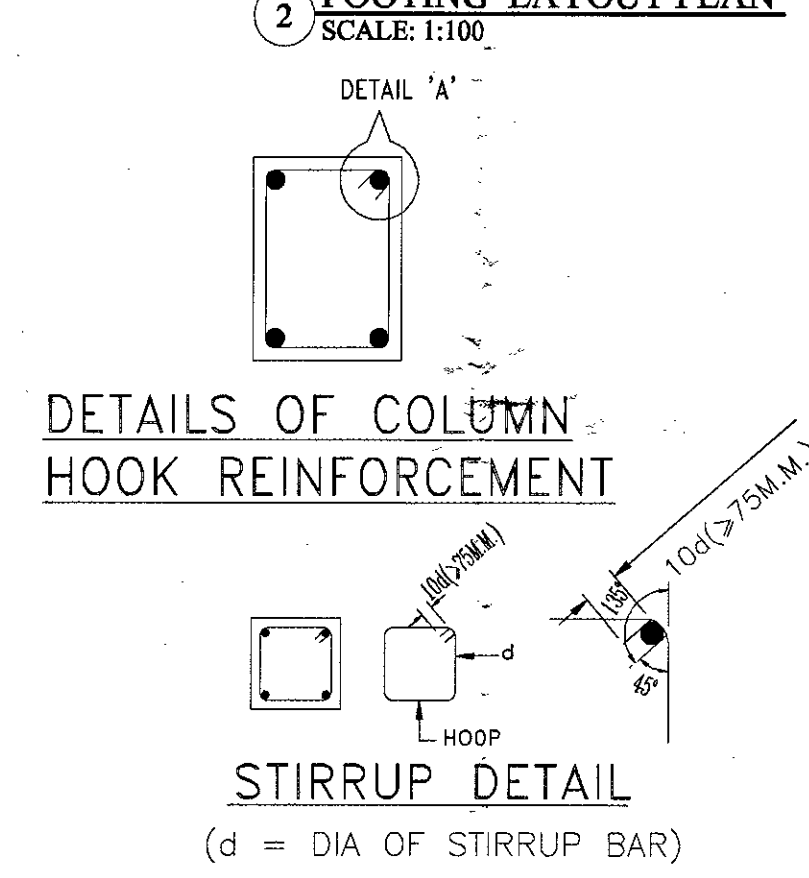


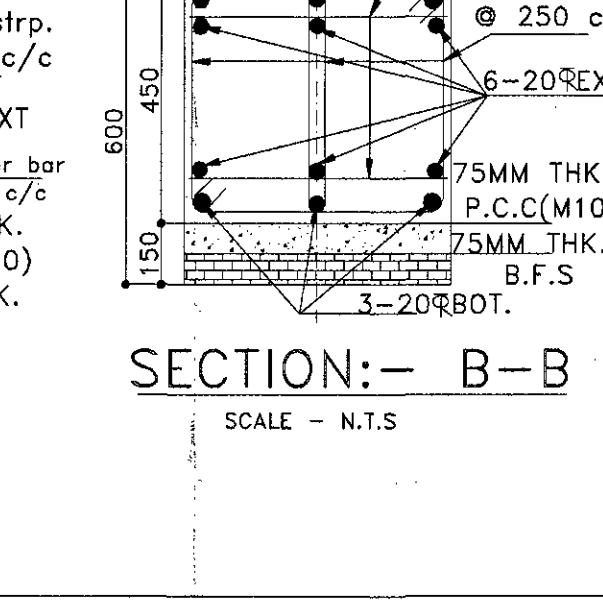
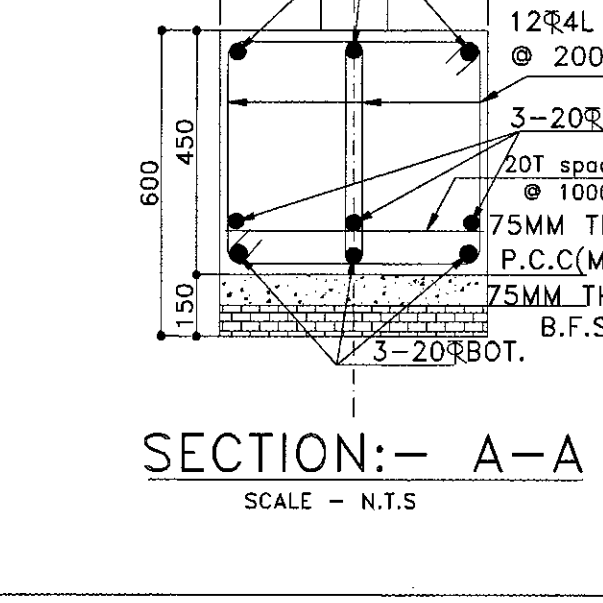
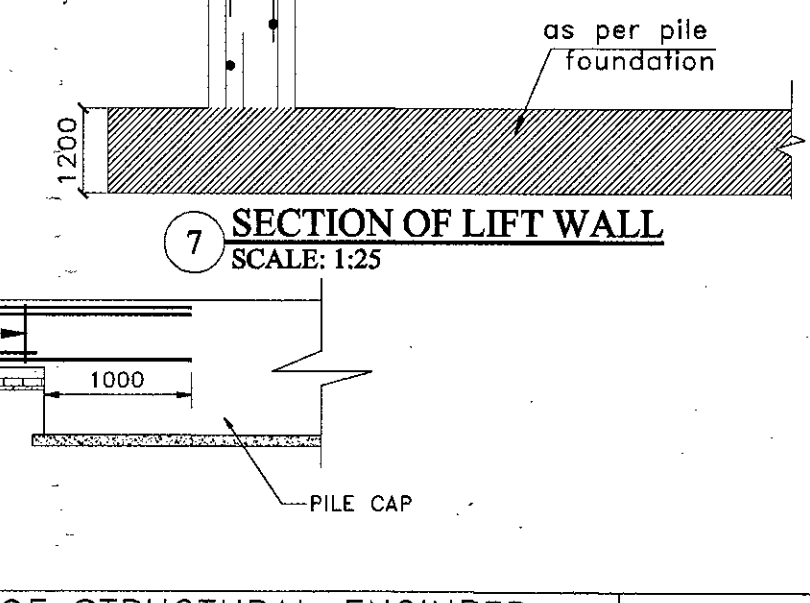
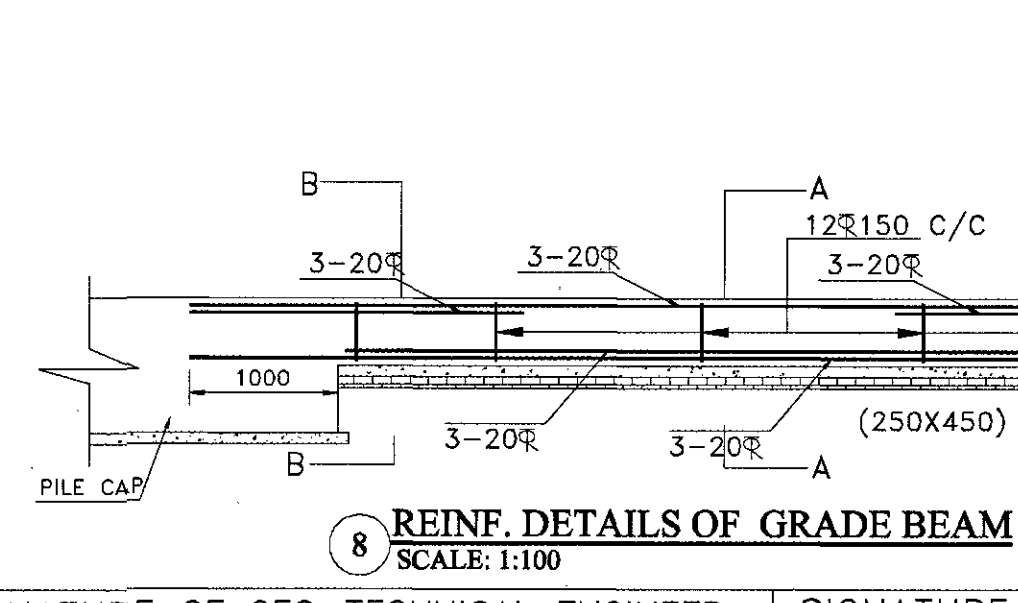
TABLE NO:-02 (SCHEDULE OF PILE CAP (450 Φ PILE))

PILE CAP MARKED	NAME OF COLUMN	CAP SIZE (mm x mm)	THICKNESS (mm)	BOTTOM REINFORCEMENT(A)		TOP REINFORCEMENT(B)		C LINK(C) (BOTH DIRECTION)	SIDE FACE REINFORCEMENT (D)	CUT OFF LEV.
				ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION			
PC1(3P)	C1,C2,C3,C4,C5,C7, C8,C9,C10,C11,C12, C13,C16,C17,C18, C19,C20,C21,C22, C24,C25,C26,C28, C29,C30,C31,C32, C33,C34,C35,C36, C37.	SEE LAYOUT PLAN	1200	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	12 Φ 150 C/C	16 Φ 100 C/C	(-) 1.7 m
PC2(2P)	C6,C14,C23,C27.	750	1875	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	12 Φ 150 C/C	16 Φ 100 C/C	(-) 1.7 m
PC3(9P)	(C15+LIFT).	3000	3000	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	20 Φ 150 C/C	12 Φ 150 C/C	16 Φ 100 C/C	(-) 2.1 m

3. SCHEDULE OF PILE MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400kg/m³

LEGEND	DIA OF PILE (MM)	CUT-OFF LEVEL (M)	PILE LENGTH (M)	MAIN REINFORCEMENT	SAFE WORKING LOAD IN TONS			REMARKS
					COMPRESSION	TENSION	LATERAL	
	450 DIA	EL.(-)1700 EXCEPT PILES UNDER LIFT PIT	16.0	8-16 Φ (ALTH)				CUT OFF LEVEL IS (-) 2100 MM LEVEL FROM E.G.L. FOR LIFT

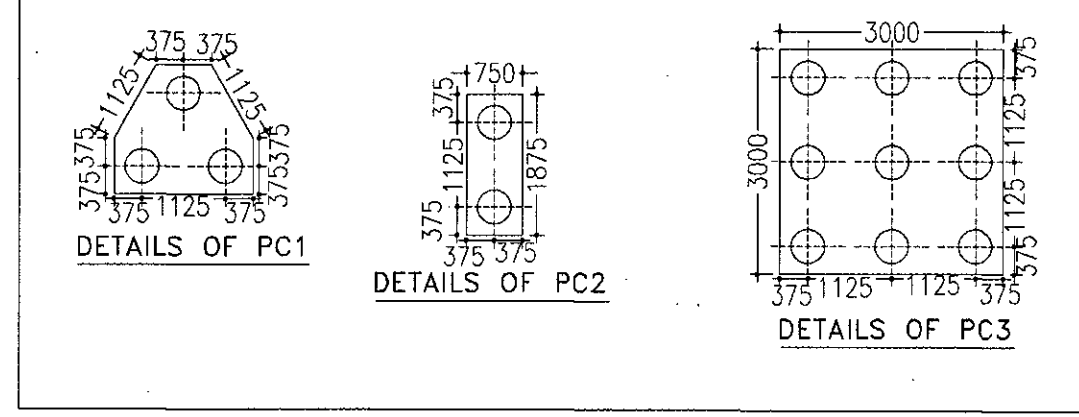
NOTE:- ABOVE ARE THE PILE DETAILS ADOPTED. THESE MUST BE ENSURED AT SITE BY PILE LOAD TEST.



SIGNATURE OF DEVELOPER/OWNER:-

VETTED BY:-

TITLE:-
COLUMN LAYOUT PLAN, FOOTING LAYOUT PLAN, SCHEDULE OF COLUMN, SCHEDULE OF PILE CAP, SCHEDULE OF PILE, TYPICAL SECTION OF PILE CAP, HOOK DETAIL, DETAIL OF GRADE BEAM, LIFT SECTION.



SIGNATURE OF ARCHITECT:-

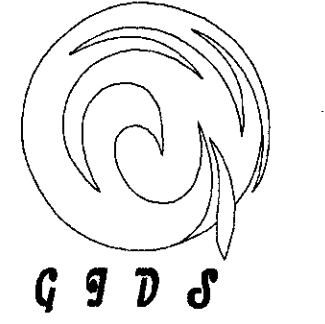
HIRAK GHOSH
Consultant Civil Engineer (Class-A)
Lic. No. LB/PM/1631/AMC/DMC/BDP/165
DCE, B.TECH, G.I.D.S. Durgapur-16
Contact No. 9332333331

SIGNATURE OF GEO-TECHNICAL ENGINEER:-

MAHA MAHA
Civil Engineer (Class-A)
Lic. No. LB/PM/1631/AMC/DMC/BDP/165
DCE, B.TECH, G.I.D.S. Durgapur-16
Contact No. 9332333331

SIGNATURE OF STRUCTURAL ENGINEER:-

HIRAK GHOSH
Structural Engineer
Lic. No. LB/PM/1631/AMC/DMC/BDP/165
DCE, B.TECH, G.I.D.S. Durgapur-16
Contact No. 9332333331



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SCALE : 1:100, 1:50, 1:25, N.T.S
REV-00
DATE : 12.04.2022
SHEET NO:- GIDS/STRUC:-01-02