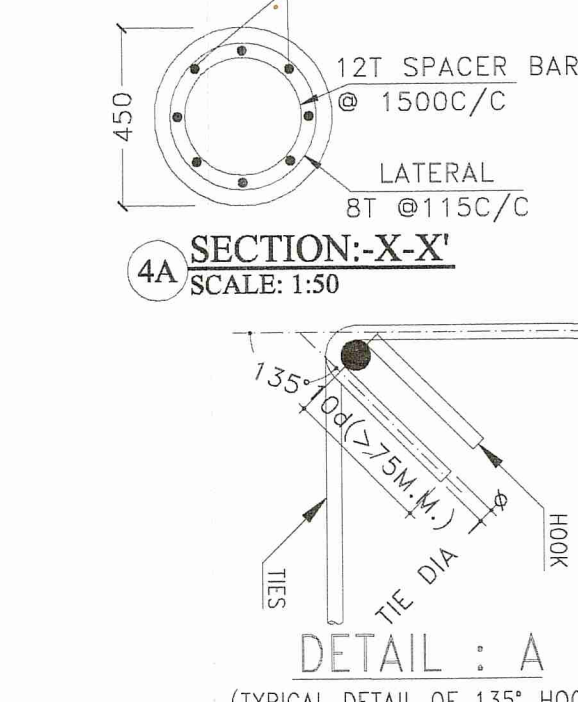
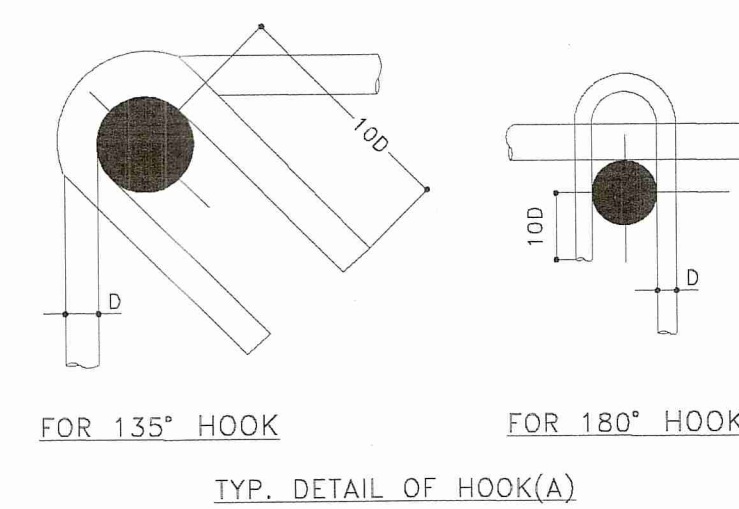
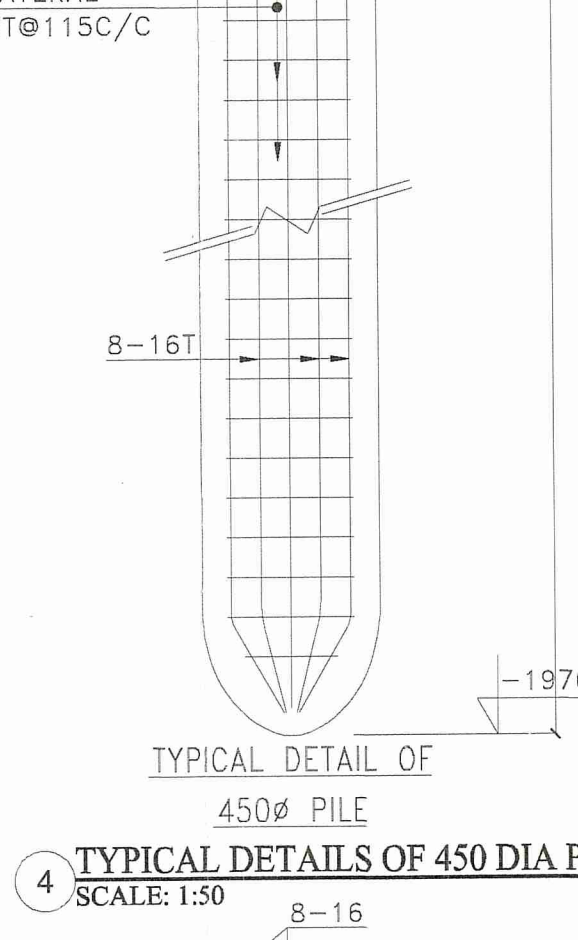
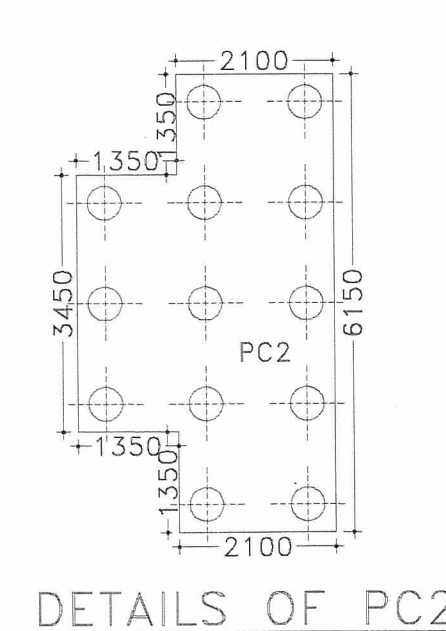
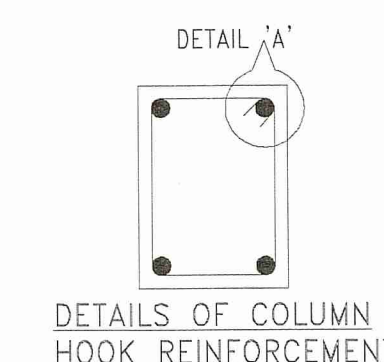
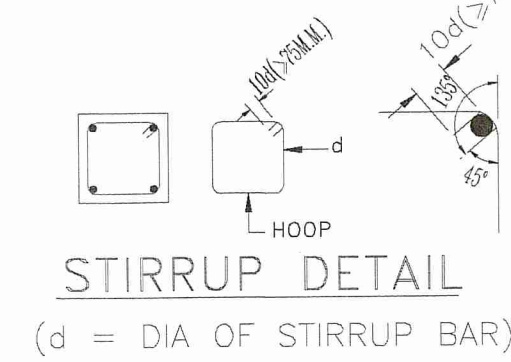
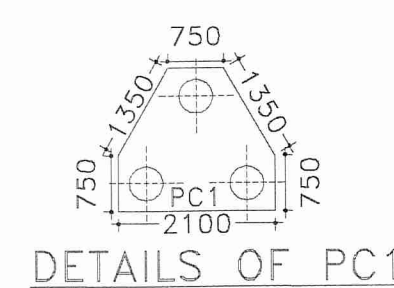
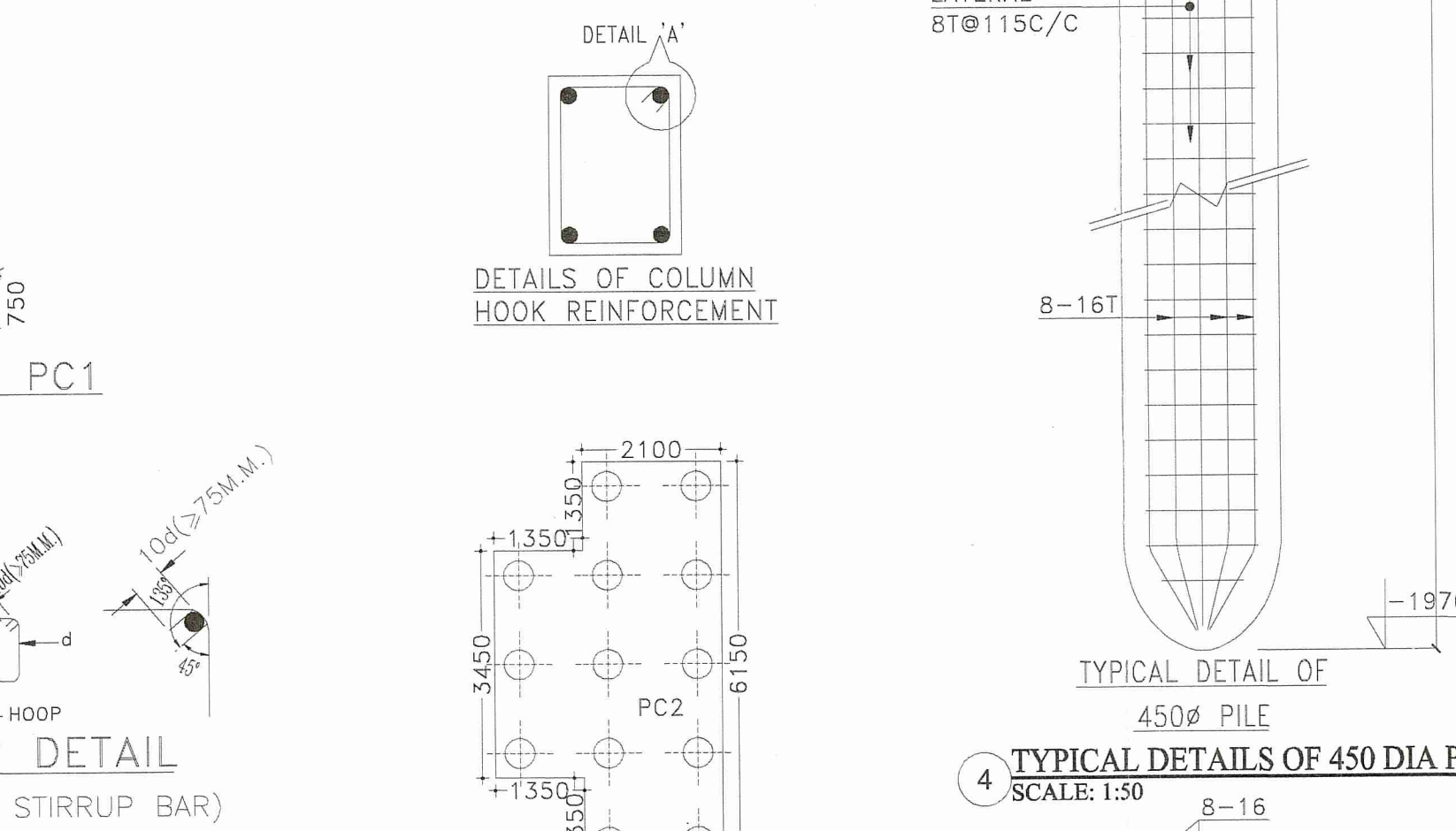
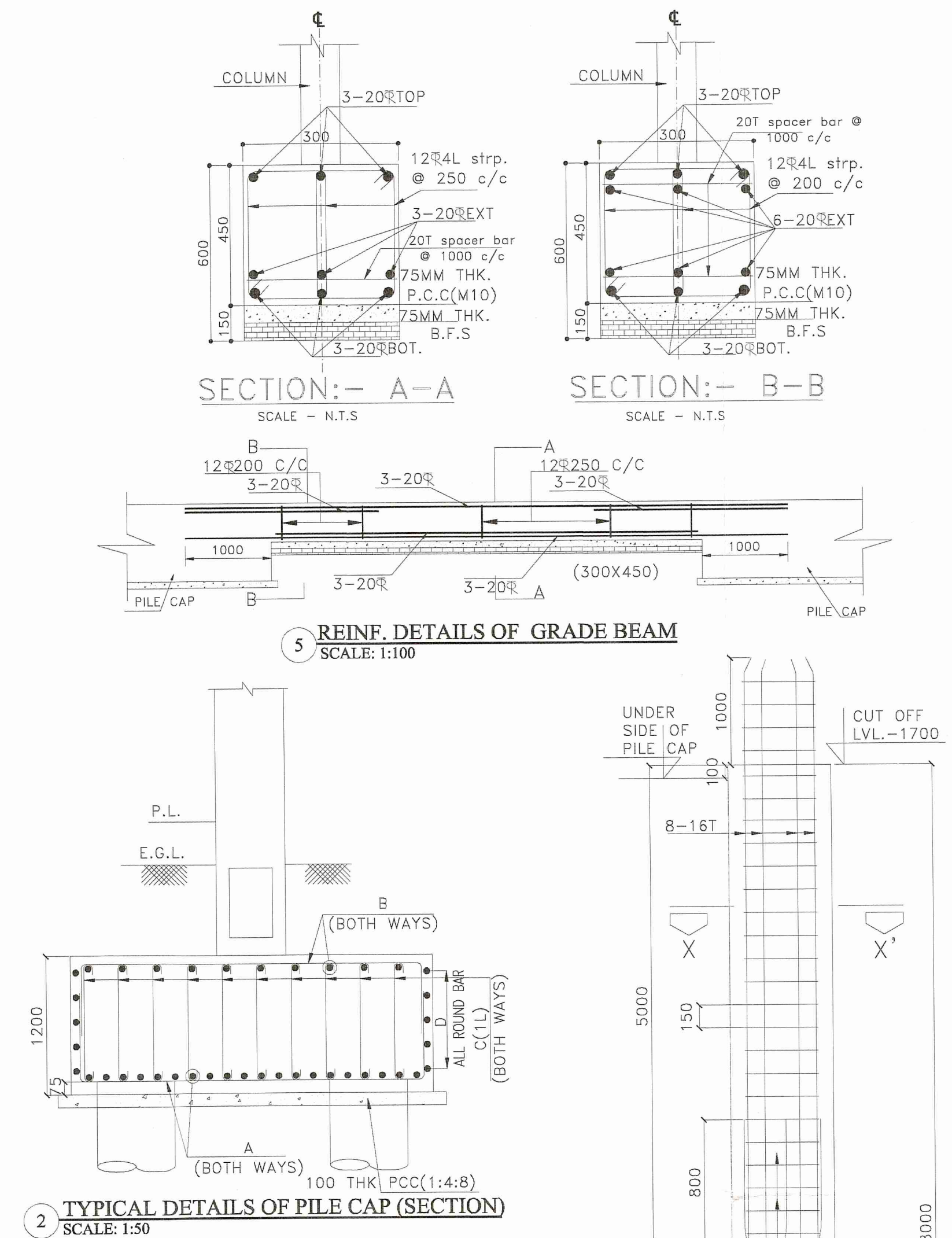
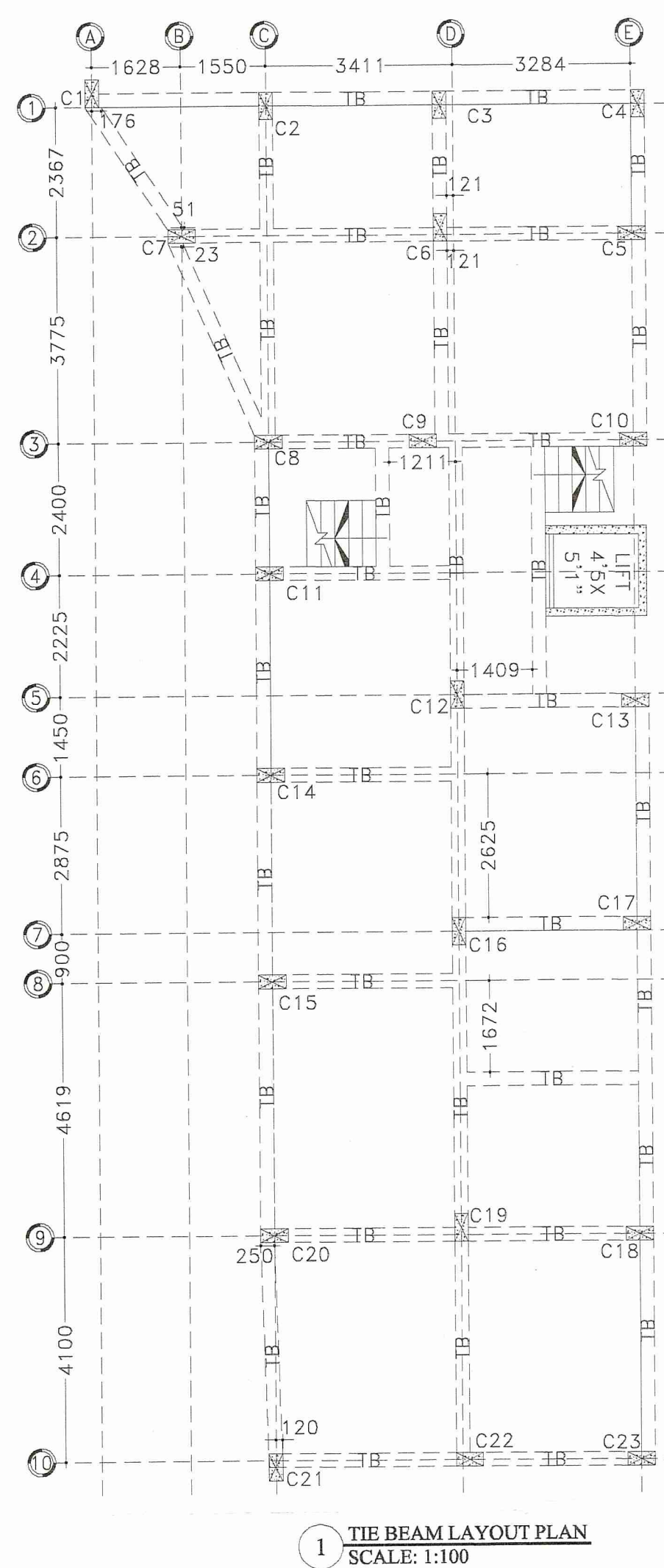
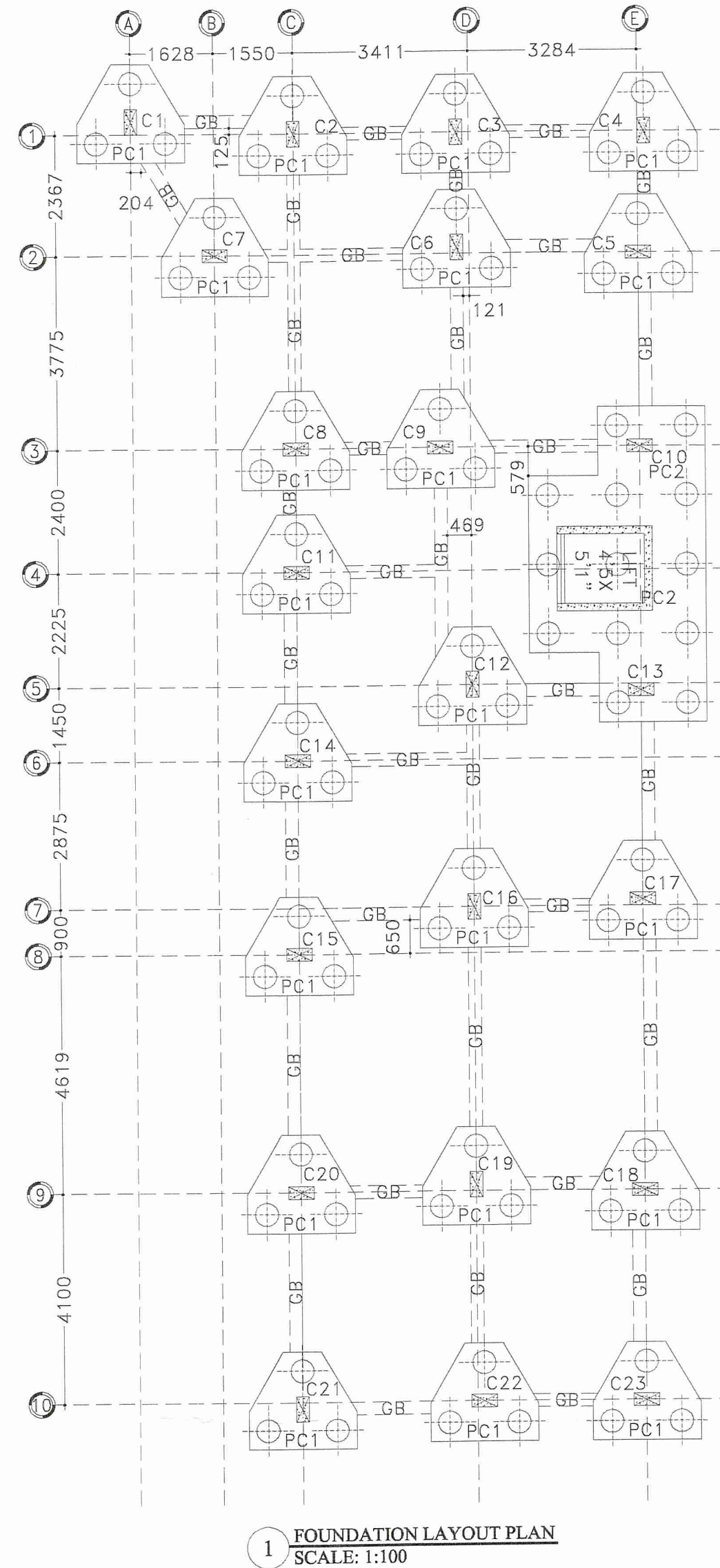
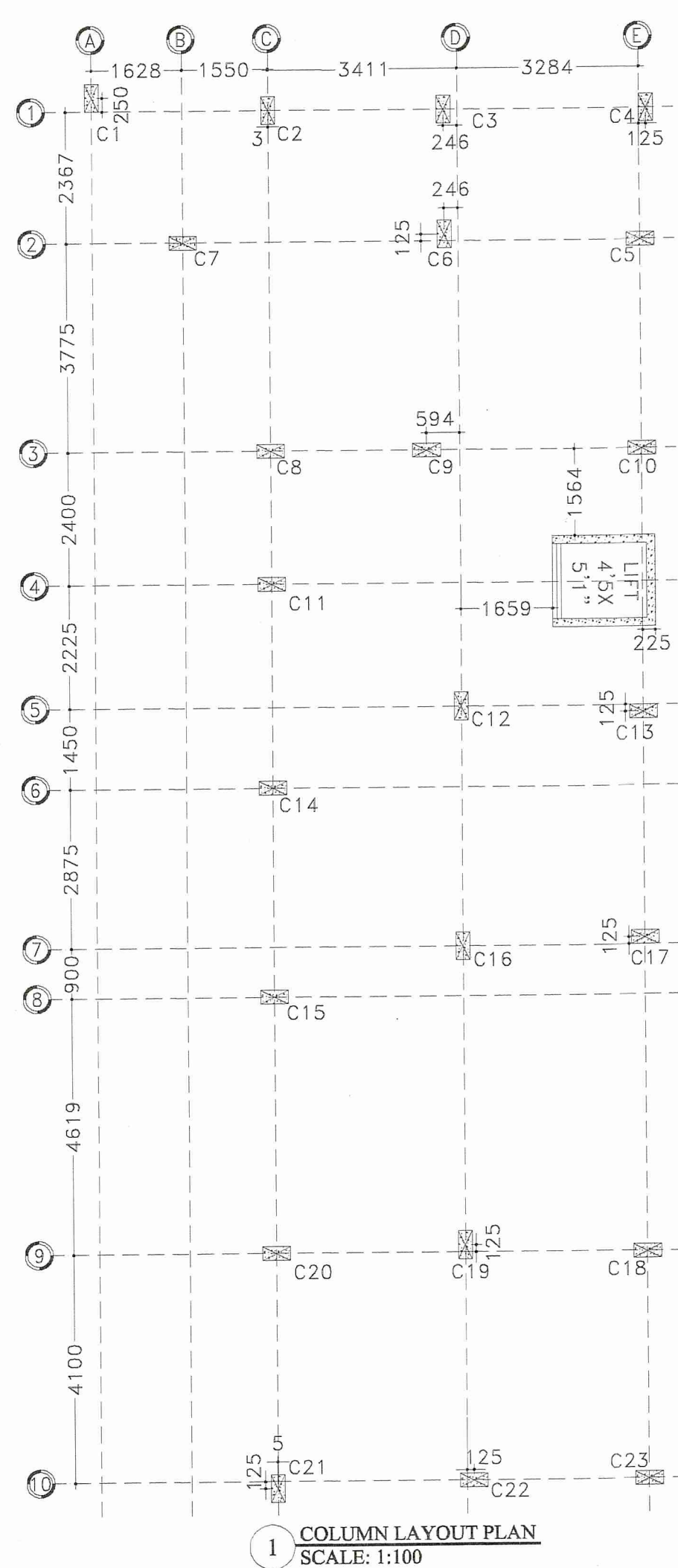




PROJECT NAME:-

STRUCTURAL DRAWING OF PROPOSED (G+6) SEVEN STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF MR. SANTANU BHANDARI C/O ANGAD BHANDARI MR. PRADIP KUMAR PATRA C/O AMARENDRA NATH PATRA MRS. GARGI CHATTERJEE C/O DEBABRATA CHATTERJEE MR. SOMNATH MONDAL C/O MRIGANKA MONDAL R.S PLOT NO - 26/486 L.R PLOT NO.116-1, KHATIAN NO. 282B, 2829,2830, 279B, J.L NO.-109, MOUZA-SANKARPUR, P.S- NEW TOWNSHIP, DIST.-PASCHIM BARDHAMAN.

- 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

SIGNATURE OF DEVELOPER/OWNER:-

SHREE BUILDERS & DEVELOPERS
Santanu Bhandari
PARTNERS

SIGNATURE OF ARCHITECT:-

Approved Plan No. 72 on Meeting No. 22 Date 22/05/2022 Valid upto 15/05/2025
Santosh Soni
Pradhan Uda/24
Jemua Gram Panchayat

VETTED BY:-

DR. S. N. BHUKHARJEE
Professor
CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY
KOLKATA-700032, (W.B.)

TITLE:-

COLUMN LAYOUT, SCHEDULE OF COLUMN, FOUNDATION LAYOUT, SCHEDULE OF FOUNDATION SECTIONAL DETAILS OF GRADE BEAM, SECTIONAL DETAILS OF PILE CAP, SECTIONAL DETAILS OF PILE FOUNDATION, STIRRUPS DETAILS, TIE BEAM LAYOUT PLAN, SCHEDULE OF TIE BEAM.

DRAWN BY:- A BHATTACHARJEE

CHECKED BY:-

SCALE : 1:100, 1:50, 1:25, N.T.S

REV-00

DATE : 17.11.2022

SHEET NO:- STRUCTURE:- 01-02



1. SCHEDULE OF COLUMNS						
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO 2ND FLOOR LONGITUDINAL REINFORCEMENT	3RD FLOOR TO 4TH FLOOR LONGITUDINAL REINFORCEMENT	5TH FLOOR TO ROOF LONGITUDINAL REINFORCEMENT	TIE
C1,C2,C3,C4, C5,C7,C8,C10, C11,C13,C14, C15,C17,C18, C20,C21,C22, C23.	18	550X300	REINFORCEMENT: 10-25# 2-20#	REINFORCEMENT: 8-25# 4-20#	REINFORCEMENT: 6-25# 6-20#	NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8#750/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8#1500/C (4 NOS. CLOSED LINK PER SET)
C6,C9,C12, C16,C19.	05	550X300	REINFORCEMENT: 8-25# 4-20#	REINFORCEMENT: 6-25# 6-20#	REINFORCEMENT: 4-25# 8-20#	NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8#750/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8#1500/C (4 NOS. CLOSED LINK PER SET)

TABLE NO:-02 (SCHEDULE OF PILE CAP)

PILE CAP MARKED	NAME OF COLUMN	CAP SIZE LENGTH (mm) WIDTH (mm)	THICKNESS (mm)	DIA OF PILE	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, C6,C7,C8,C9,C11, C12,C14,C15,C16, C17,C18,C19,C20, C21,C22,C23.	SEE LAYOUT PLAN	1200	450	20# @150 C/C	20# @150 C/C	20# @150 C/C	20# @150 C/C	12# @150 C/C	16# @100 C/C	-1.7 M
PC2(13P)	(C10+C13+LIFT)	SEE LAYOUT PLAN	1200	450	20# @150 C/C	20# @150 C/C	20# @150 C/C	20# @150 C/C	12# @150 C/C	16# @100 C/C	-2.55 M

2. SCHEDULE OF PILE MIN. CEMENT CONTENT IN CONCRETE SHALL BE = 400kg/m ³						
LEGEND	DIA OF PILE (MM)	CUT-OFF LEVEL (M)	PILE LENGTH (M)	MAIN REINFORCEMENT	PILE CAPACITY SAFE WORKING LOAD IN TONS COMPRESSION TENSION LATERAL	REMARKS
	450 DIA	EL.(-)1700 EXCEPT PILES UNDER LIFT PIT	18	8-16#(ALTH)	- - -	CUT OFF LEVEL IS (-) 2.55 LEVEL FROM E.G.L. FOR LIFT

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

TABLE NO:-01 (SCHEDULE OF FLOOR BEAM)

Beam Mkd	Size	All Through	Ext. at End Supp. Top	Ext. at Span. Bot	Ext. at Cont Supp. Top	S T I R U P S Support Span
TB	250 450	3-20#	3-20#	2-20#	2-20#	2L-8# @1250/C 2L-8# @125/C

SIGNATURE OF GEO-TECHNICAL ENGINEER:-

SIGNATURE OF STRUCTURAL ENGINEER:-

MAHABHUTI
Civil / Geo-Technical Engineer
Lic. No. L.B.EM163/AMC-DMC/BD/195
DCE, B.TECH, P.D.S. Durgapur-16
Contact No. 9834157

HARSH GHOSH
Structural Engineer
Lic. No. L.B.EM163/AMC-DMC/BD/195
DCE, B.TECH, P.D.S. Durgapur-16
Contact No. 9834157