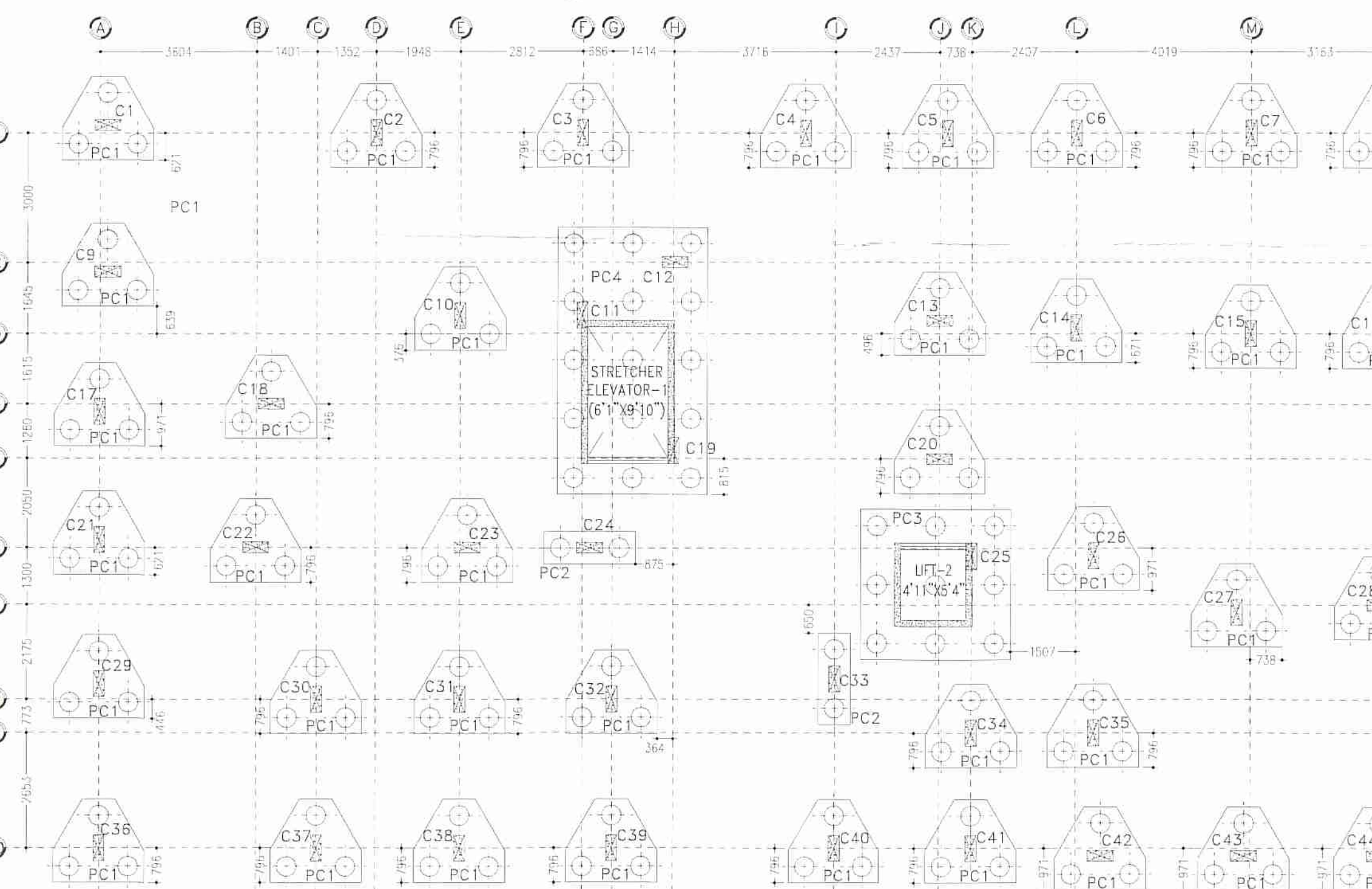
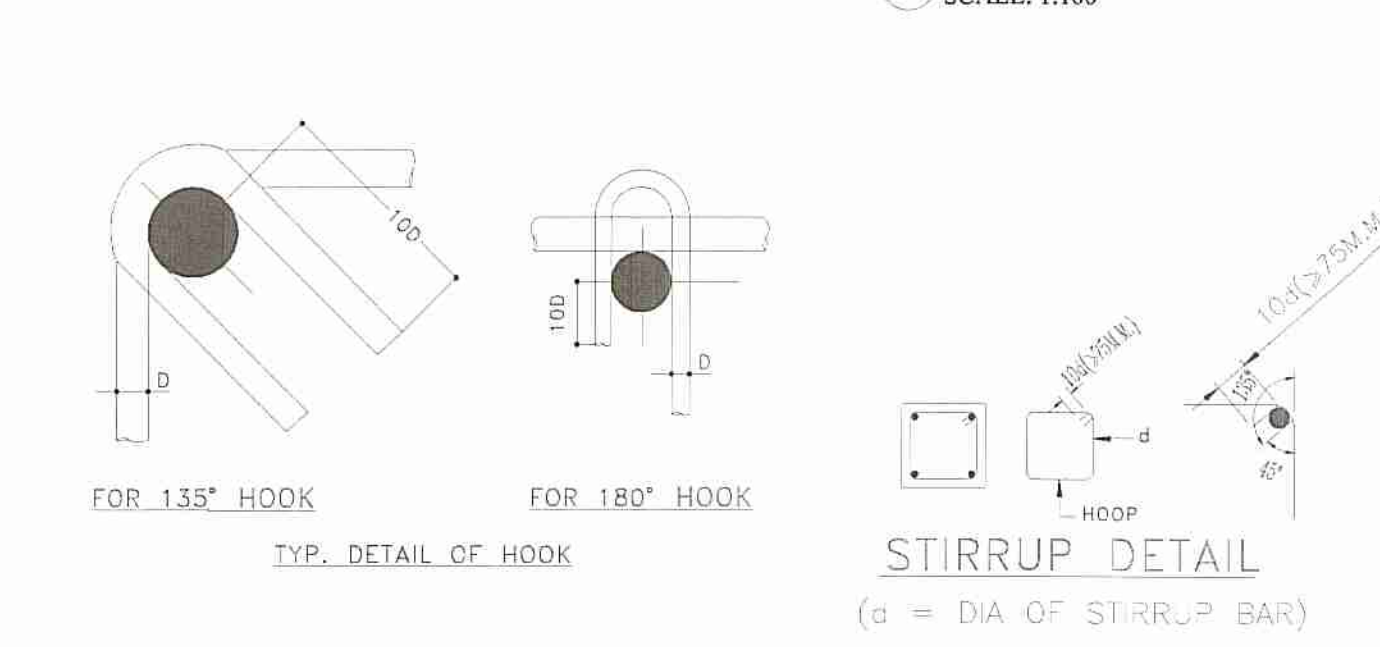


1 COLUMN LAYOUT PLAN
SCALE: 1:100



2 FOOTING LAYOUT PLAN
SCALE: 1:100



DETAILS OF COLUMN HOOK REINFORCEMENT

TABLE NO:-07 (SCHEDULE OF PILE CAP (500 Ø PILE))

PILE CAP MARKED	NAME OF COLUMN	CAP SIZE		THICKNESS (mm)	BOTTOM REINFORCEMENT(A)		TOP REINFORCEMENT(B)		C LINK(C) (BOTH DIRECTION)	SIDE FACE REINFORCEMENT (D)	CUT OFF LEV.						
		LENGTH (mm)	WIDTH (mm)		ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION									
PC1(3P)	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C13,C14,C15,C16,C17,C18,C20,C21,C22,C23,C26,C27,C28,C29,C30,C31,C32,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44.	SEE PC1 DETAILS	1200	20	110	C/C	20	110	C/C	12	100	C/C	16	200	C/C	(-) 1.7 m	
PC2(2P)	C24,C33.	750	2100	1200	20	150	C/C	20	150	C/C	16	110	C/C	16	200	C/C	(-) 1.7 m
PC3(9P)	C25+LIFT.	3450	3450	1200	20	150	C/C	20	150	C/C	16	110	C/C	16	200	C/C	(-) 2.85 m
PC4(15P)	C11+C12+C19+LIFT	6150	3450	1200	20	150	C/C	20	150	C/C	16	110	C/C	16	200	C/C	(-) 2.85 m

TABLE NO:-01 (SCHEDULE OF COLUMNS)

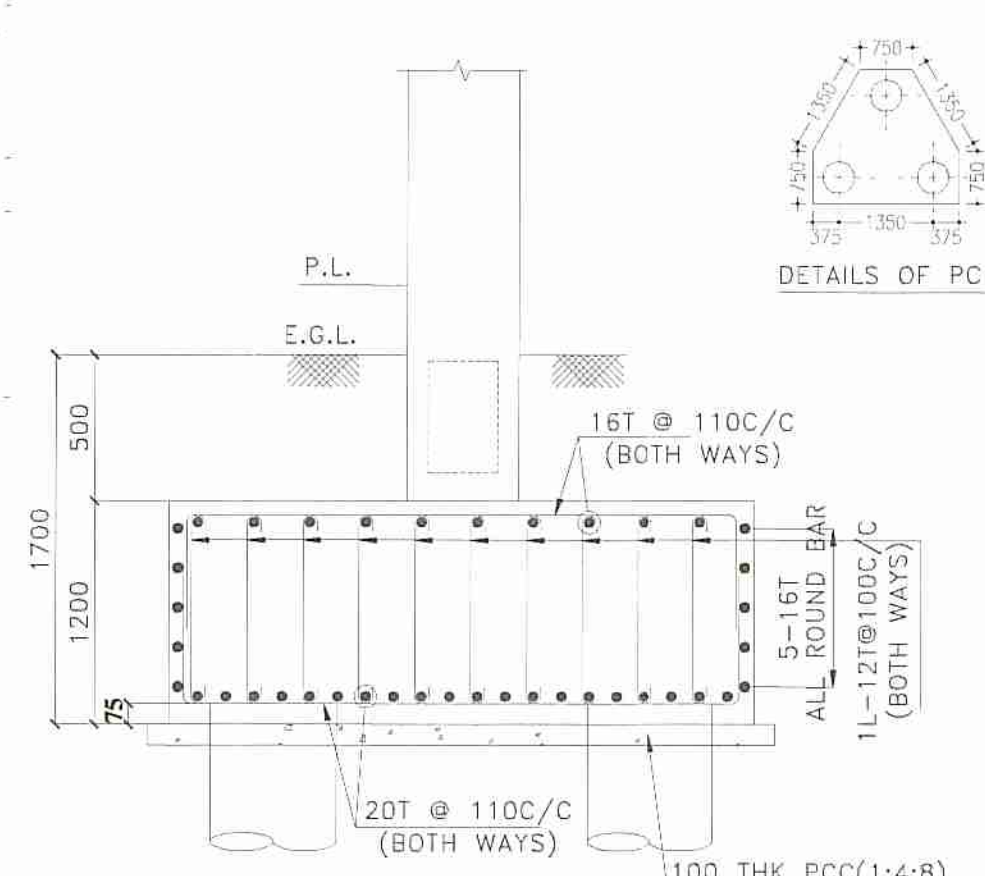
COLUMN MARKED	NOS. OF COLUMN	SIZE (mm x mm)	FOUNDATION TO 3RD FLOOR	4TH FLOOR TO 6TH FLOOR	7TH FLOOR TO ROOF	TIE	SHAPE OF STIRRUPS
C1,C2,C3,C4,C5,C6,C7,C8,C9,C16,C17,C18,C20,C21,C22,C23,C26,C27,C28,C29,C30,C31,C32,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44.	14	600X250	REINFORCEMENT: 10-25R	REINFORCEMENT: 2-25R	REINFORCEMENT: 4-25R	NEAR JUNCTION (UPTO 1/3) LENGTH LINKS@75C/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS@150C/C (3 NOS. CLOSED)	□
C36,C37,C38,C39,C40,C41,C42,C43,C44.	09	600X250	REINFORCEMENT: 8-25R	REINFORCEMENT: 6-25R	REINFORCEMENT: 4-25R	NEAR JUNCTION (UPTO 1/3) LENGTH LINKS@75C/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS@150C/C (3 NOS. CLOSED)	□
C10,C11,C12,C13,C14,C15,C18,C19,C20,C22,C23.	11	600X250	REINFORCEMENT: 6-25R	REINFORCEMENT: 4-25R	REINFORCEMENT: 6-25R	NEAR JUNCTION (UPTO 1/3) LENGTH LINKS@75C/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS@150C/C (3 NOS. CLOSED)	□
C24,C25,C26,C27,C30,C31,C32,C33,C34,C35.	10	600X250	REINFORCEMENT: 6-25R	REINFORCEMENT: 4-25R	REINFORCEMENT: 10-20R	NEAR JUNCTION (UPTO 1/3) LENGTH LINKS@75C/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS@150C/C (3 NOS. CLOSED)	□

TABLE NO:-08 (SCHEDULE OF PILE)

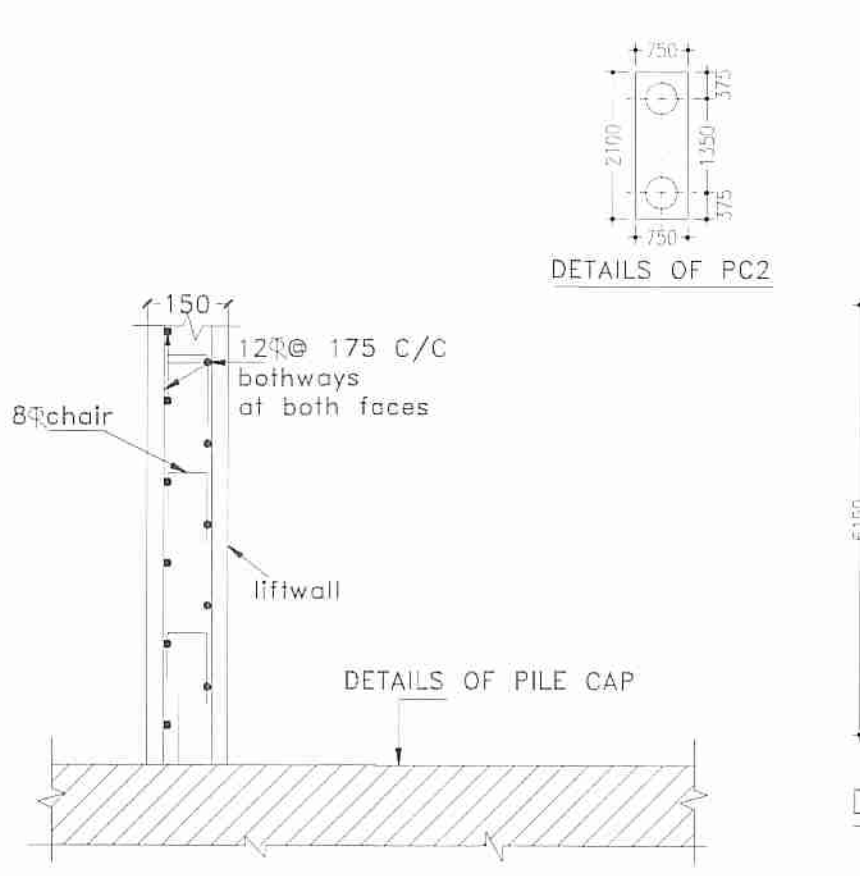
MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400kg/m³

LEGEND	DIA OF PILE (MM)	CUT-OFF LEVEL (M)	PILE LENGTH (M)	MAIN REINFORCEMENT	PILE CAPACITY SAFE WORKING LOAD IN TONS			REMARKS
					COMPRESSION	TENSION	LATERAL	
	450 DIA	EL.(-)1.7 EXCEPT PILES UNDER LIFT PIT	18	8-16R (ALTH)	52	-	-	CUT OFF LEVEL IS (-) 2.85 M LEVEL UNDER LIFT PIT PILE

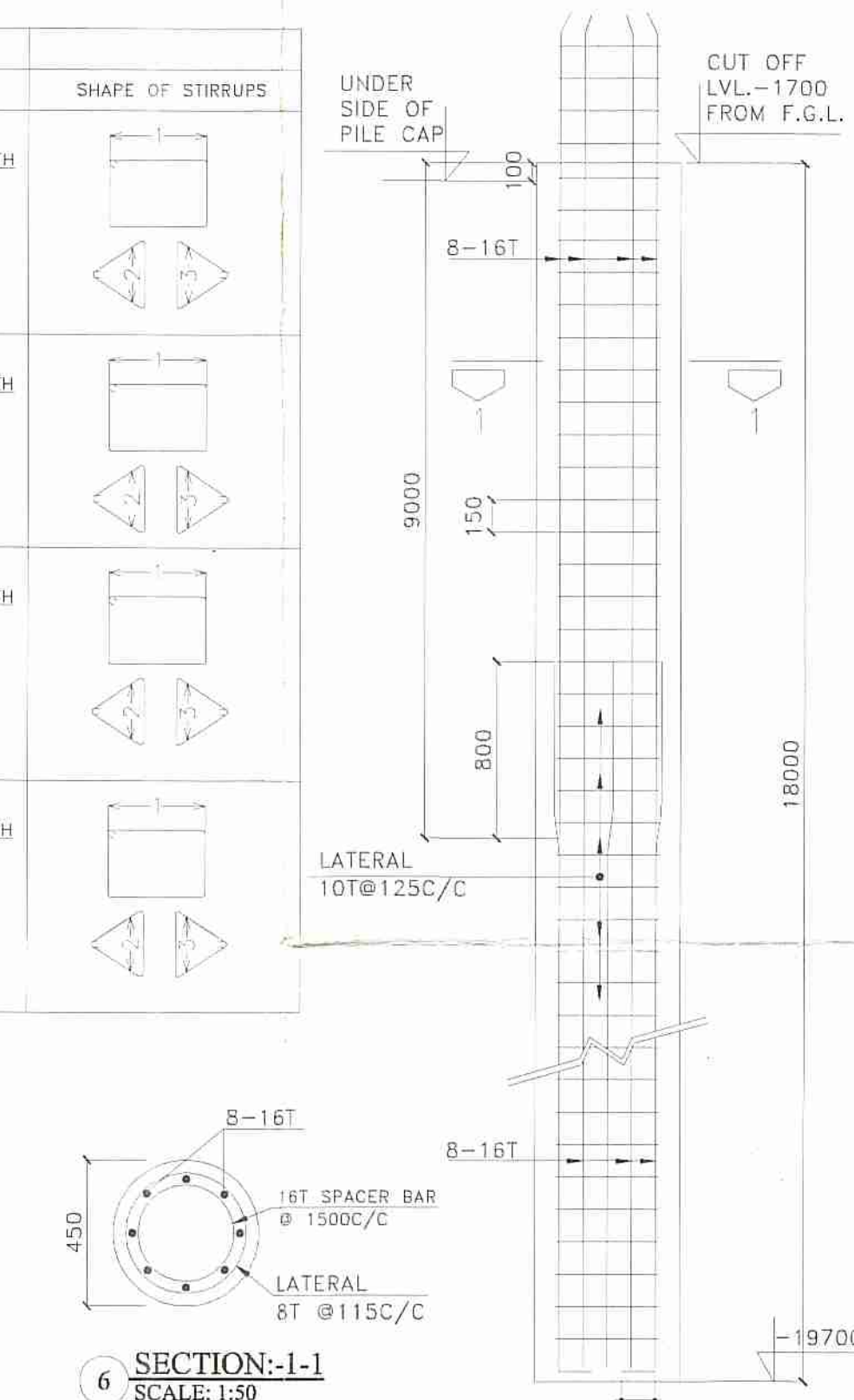
NOTE:- ABOVE ARE THE PILE DETAILS ADOPTED. THESE MUST BE ENSURED AT SITE BY PILE LOAD TEST.



3 TYPICAL DETAILS OF PILE CAP-PC1 (SECTION)
SCALE: 1:50



4 SECTION OF LIFT WALL
SCALE: 1:25



5 TYPICAL DETAILS OF 450 DIA PILE
SCALE: N.T.S.

PROJECT NAME:-
STRUCTURAL DRAWING OF PROPOSED (G+5) NINE STORIED RESIDENTIAL BUILDING (BLOCK-02) OF SHRI. RAMPRASAD ADHIKARY, S/O MR. PARIMAL ADHIKARI, (DEVELOPED BY SHREE BUILDERS) L.R. PLOT NO-20B,209,210 L.R. KHATIAN NO-2219 J.L.NO-210,MOUZA-SANBANDA, P. S BANKURA, DIST-BANKURA.WEST BANGAL-722180.

- NOTES :-
- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
 - ±0.00 LVL. REFERS TO E.G.L.
 - CLEAR CONCRETE COVER TO MAIN REINFORCEMENT BARS SHALL BE AS FOLLOWS :-
TOP: 50mm, BOTTOM: 50mm, SIDE: 50mm
 - ALL PILES SHALL BE BORED CAST-IN-SITU PILES, DMC METHOD SHALL BE ADOPTED BY CIRCULATING BENTONITE SLURRY OF SP GRAVITY 1.1 TO 1.2 gm/cc.
 - ALL REINFORCEMENT IN PILE SHALL BE HIGH TENSILE STRENGTH COLD TWISTED DEFORMED BAR CONFORMING TO IS-1786-2008 OF GRADE Fe500.
 - CONCRETE GRADE SHALL BE M25 WITH MINIMUM CEMENT CONTENT OF 400kg/M 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.
 - CONCRETE 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 CONCRETE SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE BORE IS FILLED UP WITHOUT THE FORMATION OF VOIDS &/ FOR MIXING OF SOIL & DRILLING MUD IN CONCRETE.
 - THE PILE HEADS SHALL PROJECT IN TO THE PILE CAP 75mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
 - 80mm ROLLER TYPE COVER BLOCK WITH MINIMUM THICKNESS 32mm SHALL BE USED.
 - 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 T16 ARE TO BE PROVIDED AT AN INTERVAL OF 1500MM C/C TO WELDED.
 - WASHING TO BE DONE WITH 20HP PUMP/VACEL AS PER SITE REQUIREMENT.
 - 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 SUGGESTION HAS BEEN CONSIDERED AS PER SOIL REPORT.

SIGNATURE OF STRUCTURAL ENGINEER:-

Him Ghosh
HIM GHOSH
Structural Engineer
Lic No. L.B.PM/163/AMC/DIAC/PPD/165
OFF. B.TECH. G.I.S. Durgapur-16
9433233331
SIGNATURE OF CLIENT/OWNER:-

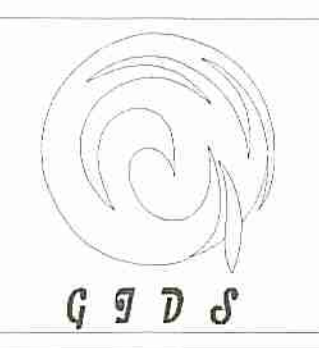
SHREE BUILDERS
Suman Chakrabarti
Partners

VERIFIED BY:-
S. N. Mukherjee
S. N. MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
VIT VELLORE UNIVERSITY
Vellore-761002, (TN)

TITLE:-
COLUMN & FOOTING LAYOUT PLAN, SCHEDULE OF COLUMN, DETAILS OF STIRRUPS, DETAILS BEAM COLUMN JUNCTION, SECTION DETAILS OF FOOTING, SECTION OF LIFT WALL.

SIGNATURE OF GEO-TECHNICAL ENGINEER:-
WANOJ MAITY
WANOJ MAITY
Civil / Geotechnical Engineer
CE, GIDS - LM42/8
Lic. No. - LBPM/162/AMC
G.I.D.S., Durgapur - 16

SIGNATURE OF ARCHITECT:-
Vaishnavi Makarandhalye
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CONSULTING ARCHITECT
CA/2018/101108



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DATE : 05.10.2021
REV-00
SCALE : 1:100, 1:50 1:25, N.T.S.
SHEET NO:- GIDS/STRU 01-02

