
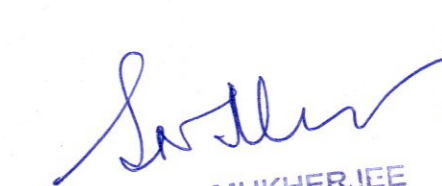


PROJECT NAME:-
 STRUCTURAL DRAWING OF PROPOSED (G+6) SEVEN
 STORIED RESIDENTIAL BUILDING OF (EDIFY
 INFRASTRUCTURE PROJECTS PVT.LTD.) REPRESENTED BY
 MR. SUBRATA GHOSH. PLOT NO-388, KHATIAN
 NO-2267,2425, J.L NO-109, MOUZA-SHANKARPUR,
 P.S-NTPS, DIST-PASCHIM BARDHAMAN, WEST BENGAL.

- 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=50xBAR 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 & spices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF DEVELOPER/OWNER:-

 EDIFY INFRASTRUCTURE PROJECTS PVT. LTD.
 Director

VETTED BY:-

 Approved Plan No. G2... on Meeting No. 04/2022... Date: 10.06.2022 Valid upto: 05.02.2027
 DR. S. N. MUKHERJEE
 Professor
 CIVIL ENGINEERING DEPT.
 JADAVPUR UNIVERSITY
 KOLKATA-700032, (W.B)
 Saraswati
 Prodan
 Jenua Gram Panchayat

TITLE:-
 COLUMN LAYOUT, FOOTING LAYOUT, SCHEDULE OF COLUMN, SCHEDULE OF FOOTING, HOOK DETAIL, DETAIL OF CROSS BEAM JUNCTION, TYPICAL DETAIL OF BEAM COLUMN JUNCTION, TYP. DETAILS OF PILE, TYP. DETAILS OF PILE CAP, REIN. DETAILS OF GRADE BEAM.

SIGNATURE OF ARCHITECT:-
 MANJU MONOWARA KHATUN
 ARCHITECT
 CA/2022/146222
 GIDS, Durgapur -16

SIGNATURE OF GEO-TECHNICAL ENGINEER:-
 SWAGH KUMAR MONDAL
 Geo-Technical Engineer
 M.I.G.S. No-LM/1242
 LIC NO-DMC/BPD/GEO-1/34

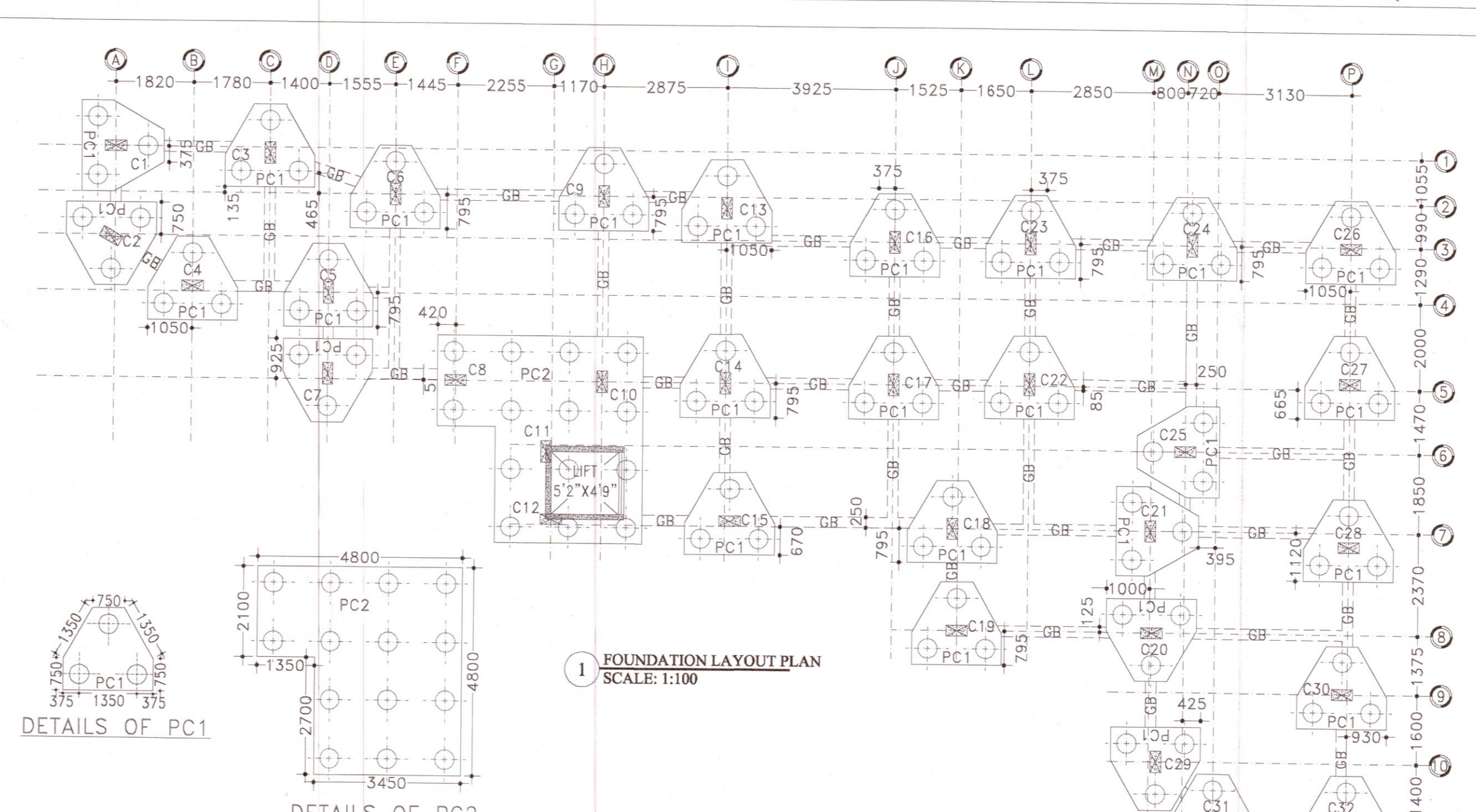
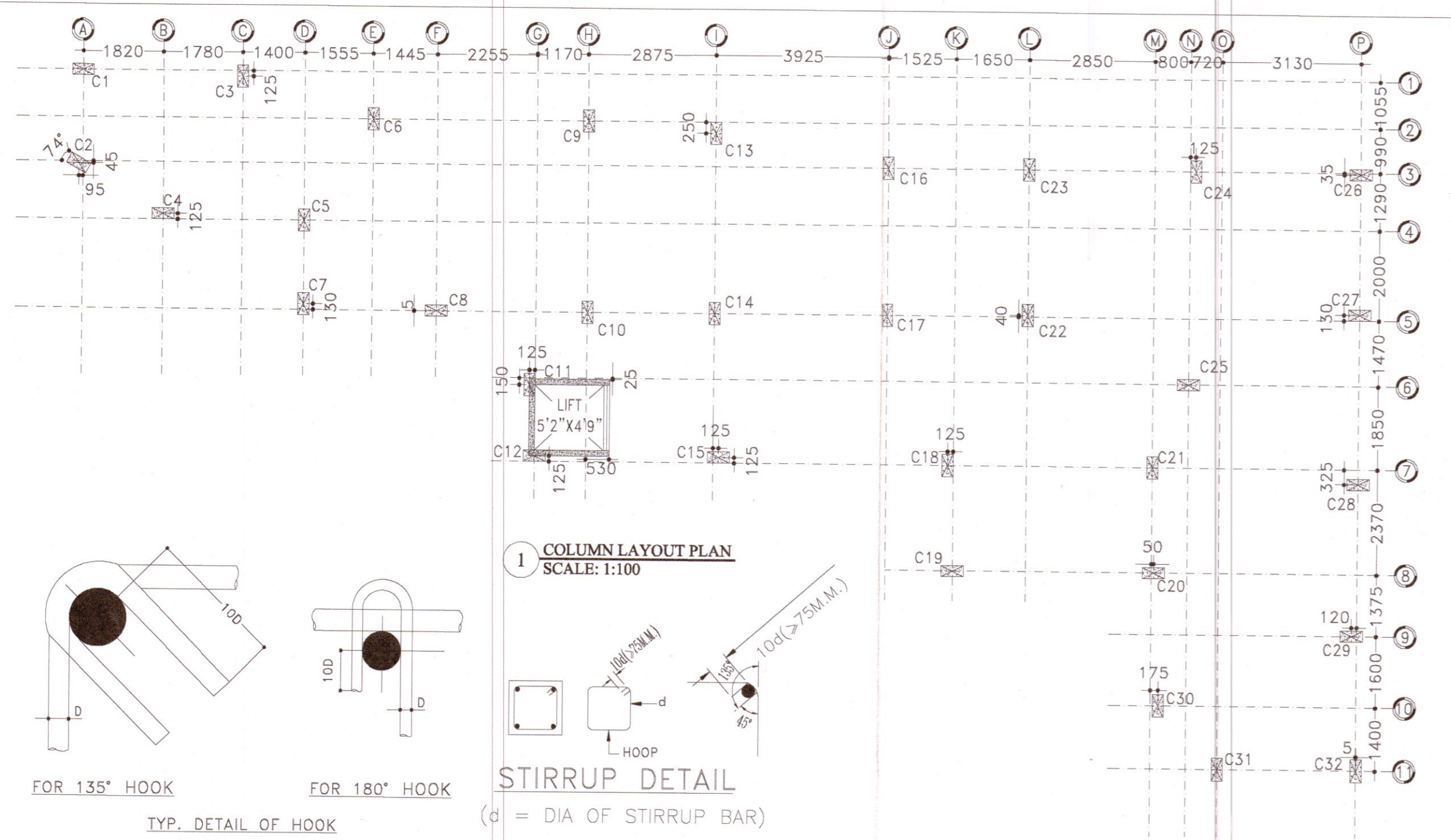
SIGNATURE OF STRUCTURAL ENGINEER:-
 HIRUK GHOSH
 Structural Engineer
 Lic No.-LB.PM1631AMC-DMC/BPD/165
 DCE, B-TECH

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

REV-00

DATE : 23.08.2022

SHEET NO:- GIDS/STRUC:-01-02



1. SCHEDULE OF COLUMNS

COLUMN MARKED	NOS. OF COLUMN	COLUMN SIZE (mm x mm)	FOUNDATION TO 2ND FLOOR LONGITUDINAL REINFORCEMENT	3RD FLOOR TO 5TH FLOOR LONGITUDINAL REINFORCEMENT	6TH FLOOR TO ROOF LONGITUDINAL REINFORCEMENT	TIE	SHAPE OF STIRRUPS
C1,C2,C3,C4,C6,C7,C8,C9,C11,C12,C13,C15,C16,C18,C19,C20,C23,C24,C26,C27,C28,C29,C30,C31,C32.	25	500X300	REINFORCEMENT: 8-25 ϕ 4-20 ϕ	REINFORCEMENT: 6-25 ϕ 6-20 ϕ	REINFORCEMENT: 4-25 ϕ 8-20 ϕ	NEAR JUNCTION (UPTD 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	
C5,C10,C14,C17,C21,C22,C25.	07	500X300	REINFORCEMENT: 6-25 ϕ 6-20 ϕ	REINFORCEMENT: 4-25 ϕ 8-20 ϕ	REINFORCEMENT: 12-20 ϕ	NEAR JUNCTION (UPTD 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (4 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	

TABLE NO:-01 SCHEDULE OF PILE CAP (450 ϕ PILE)

PILE CAP MARKED	NAME OF COLUMN	CAP SIZE LENGTH (mm) WIDTH (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,C6,C7,C8,C9,C11,C12,C13,C15,C16,C18,C19,C20,C23,C24,C26,C27,C28,C29,C30,C31,C32.	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(14P)	(C8+C10+C11+C12+LIFT)	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	(-) 3.35 m

2. 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.(-)1700 EXCEPT PILES UNDER LIFT PIT	16.0	8-16 ϕ (ALTH)	-	-	-	CUT OFF LEVEL IS (-) 3.35 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.

