

PROJECT NAME:--
 STRUCTURAL DRAWING OF PROPOSED (G+8)
 NINE STORED RESIDENTIAL BUILDING
 (BLOCK-03) OF SHRI. RAMPRASAD ADHIKARY,
 S/O MR. PARIMAL ADHIKARI, (DEVELOPED BY
 SHREE BUILDERS)
 L.R. PLOT NO-208,209,210,212/707, L.R.
 KHATIAN NO-2219,907,
 J.L.NO-210,MOUZA-SANBANDA, P. S -
 BANKURA, DIST-BANKURA.WEST
 BENGAL-722180.

- 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 & splices should be provided as per the provisions laid down in SP34:1987

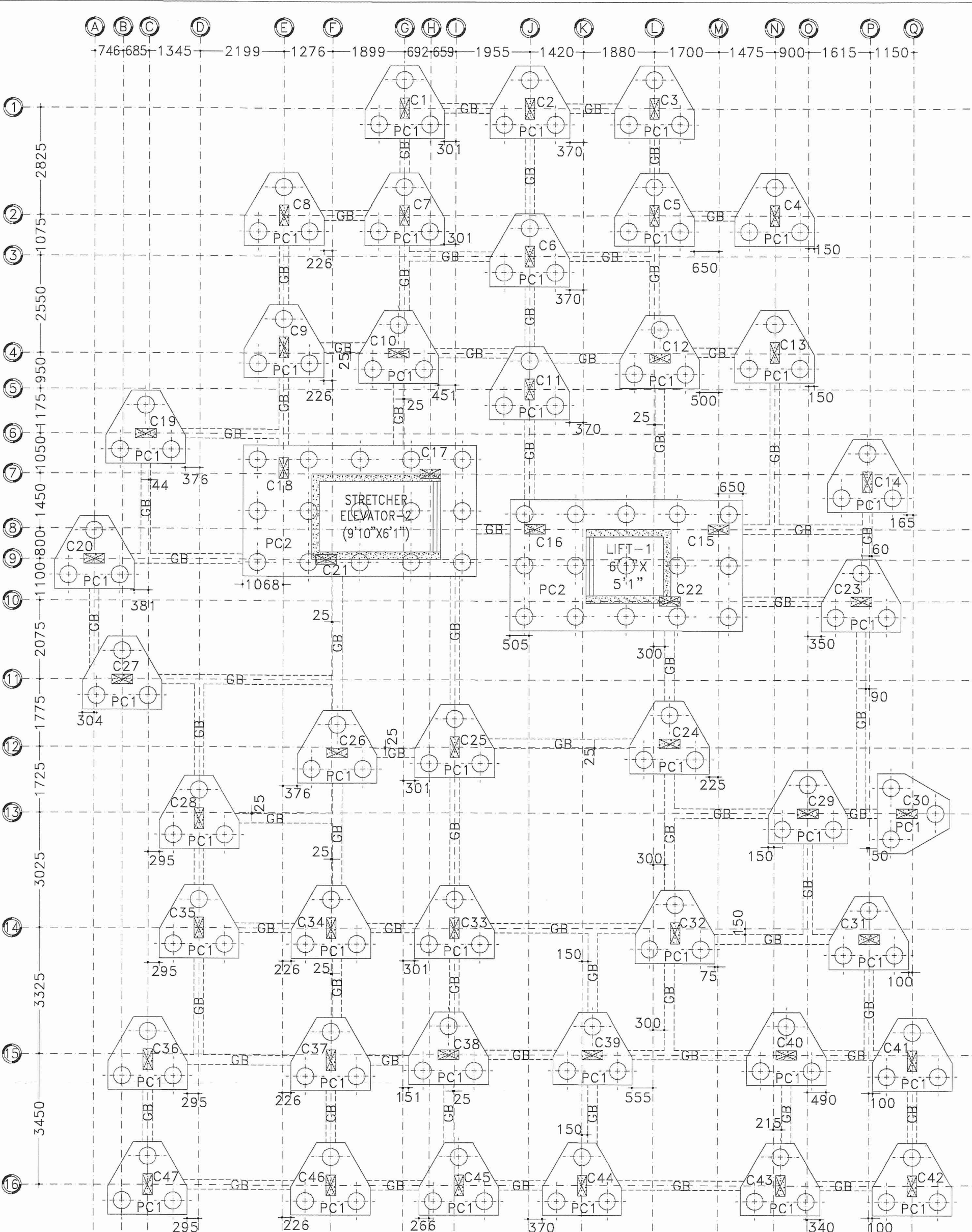
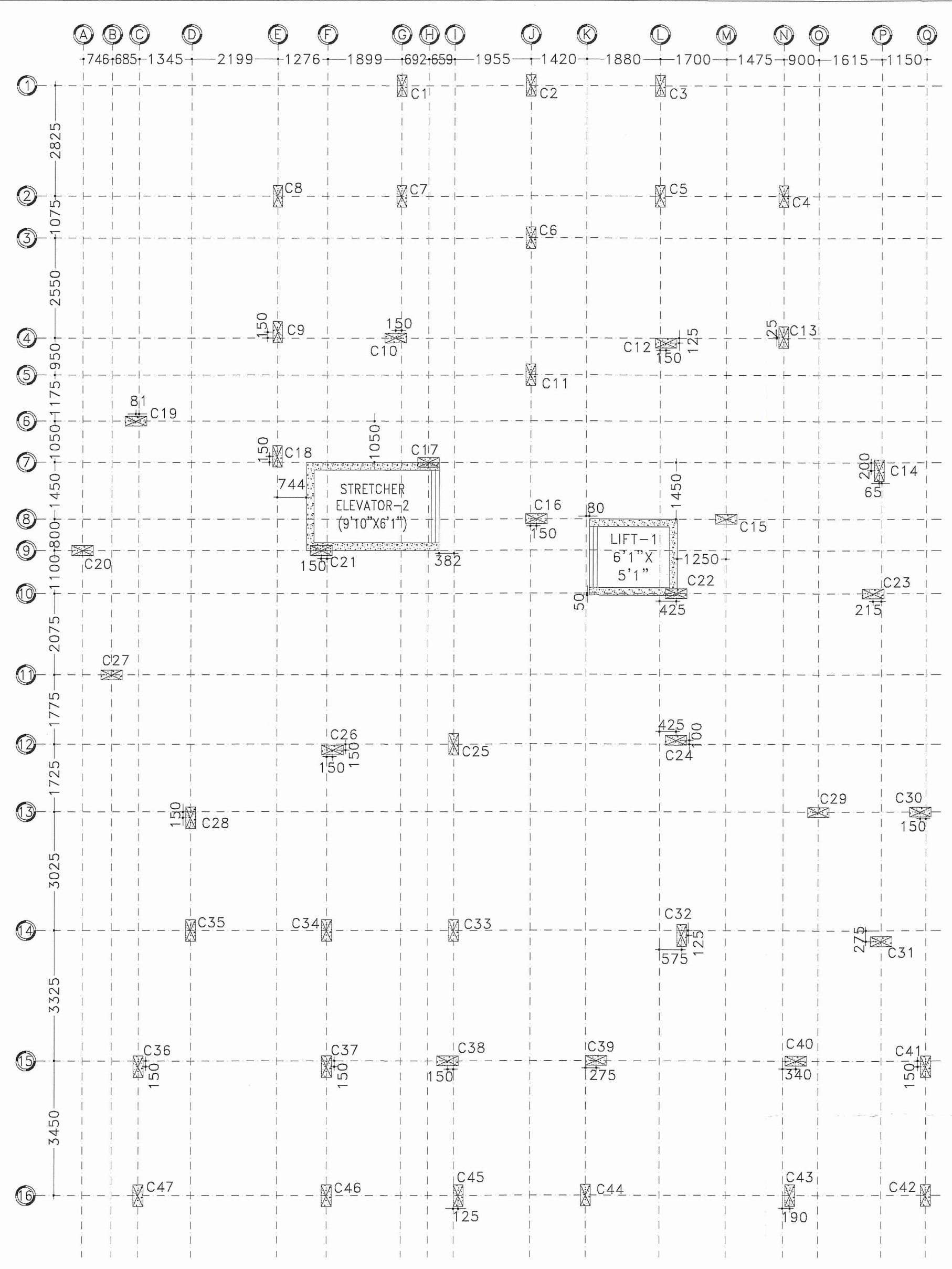


TABLE NO:-01 (SCHEDULE OF COLUMNS)

COLUMN MARKED	NUMBER OF COLUMN	COLUMN SIZE MM X MM	FOUNDATION TO 3RD FLOOR LONGITUDINAL REINFORCEMENT	4TH FLOOR TO 6TH FLOOR LONGITUDINAL REINFORCEMENT	7TH FLOOR TO ROOF LONGITUDINAL REINFORCEMENT	TIE	SHAPE OF STIRRUPS
C1,C2,C3,C4,C8,C9,C13,C14,C19,C20,C22,C23,C24,C26,C27,C28,C29,C30,C31,C35,C36,C41,C42,C43,C44,C45,C46,C47.	28	600X300	REINFORCEMENT: 10-25ϕ	REINFORCEMENT: 8-25ϕ 2-20ϕ	REINFORCEMENT: 6-25ϕ 4-20ϕ	NEAR JUNCTION (UPTO 16" LENGTH LINKS @ 75/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS @ 150/C (3 NOS. CLOSED)	STIRRUP HOOP
C5,C6,C7,C10,C11,C12,C15,C16,C17,C18,C21,C25,C32,C33,C34,C37,C38,C39,C40.	19	600X300	REINFORCEMENT: 8-25ϕ 2-20ϕ	REINFORCEMENT: 6-25ϕ 4-20ϕ	REINFORCEMENT: 4-25ϕ 6-20ϕ	NEAR JUNCTION (UPTO 16" LENGTH LINKS @ 75/C (3 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS @ 150/C (3 NOS. CLOSED)	STIRRUP HOOP

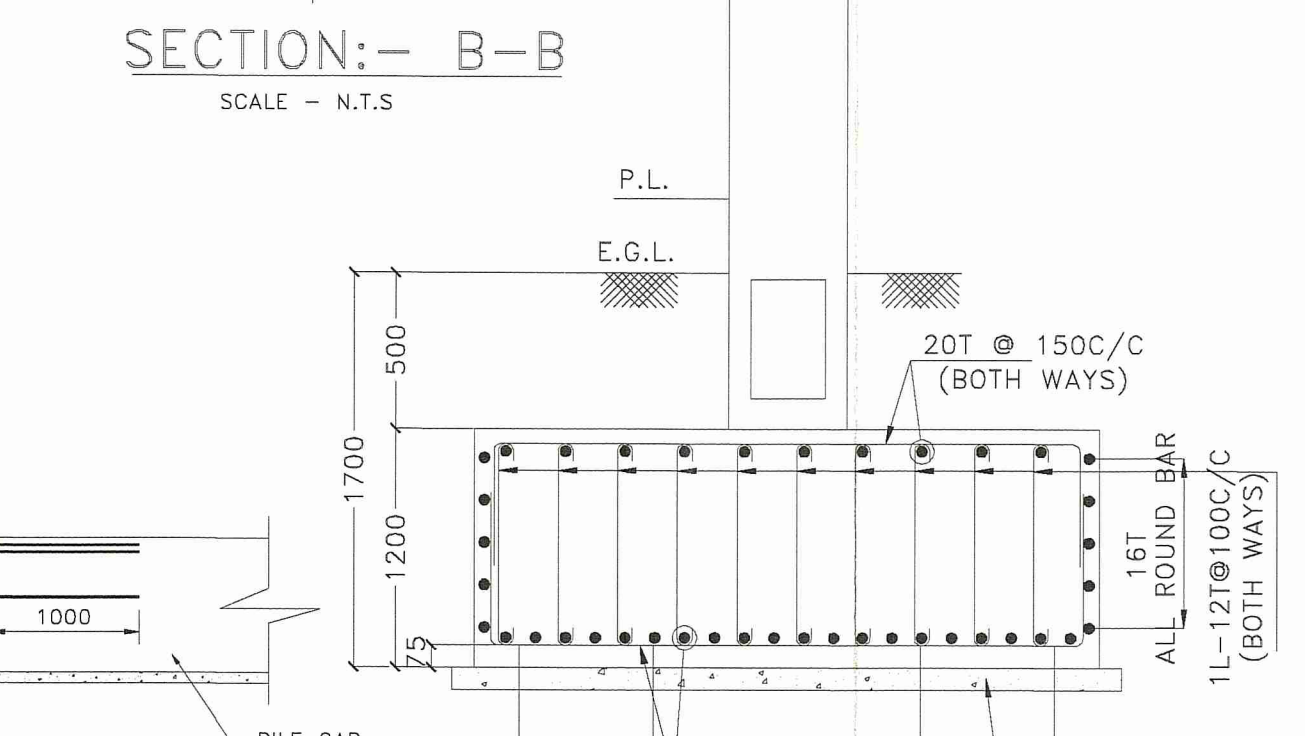
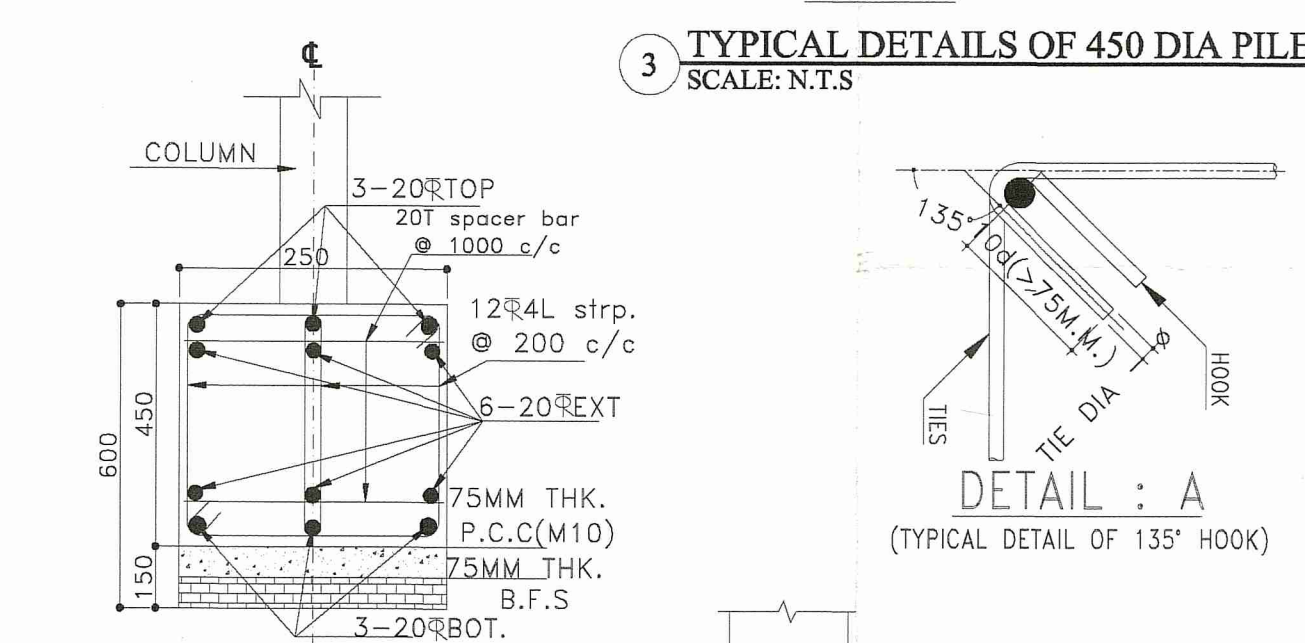
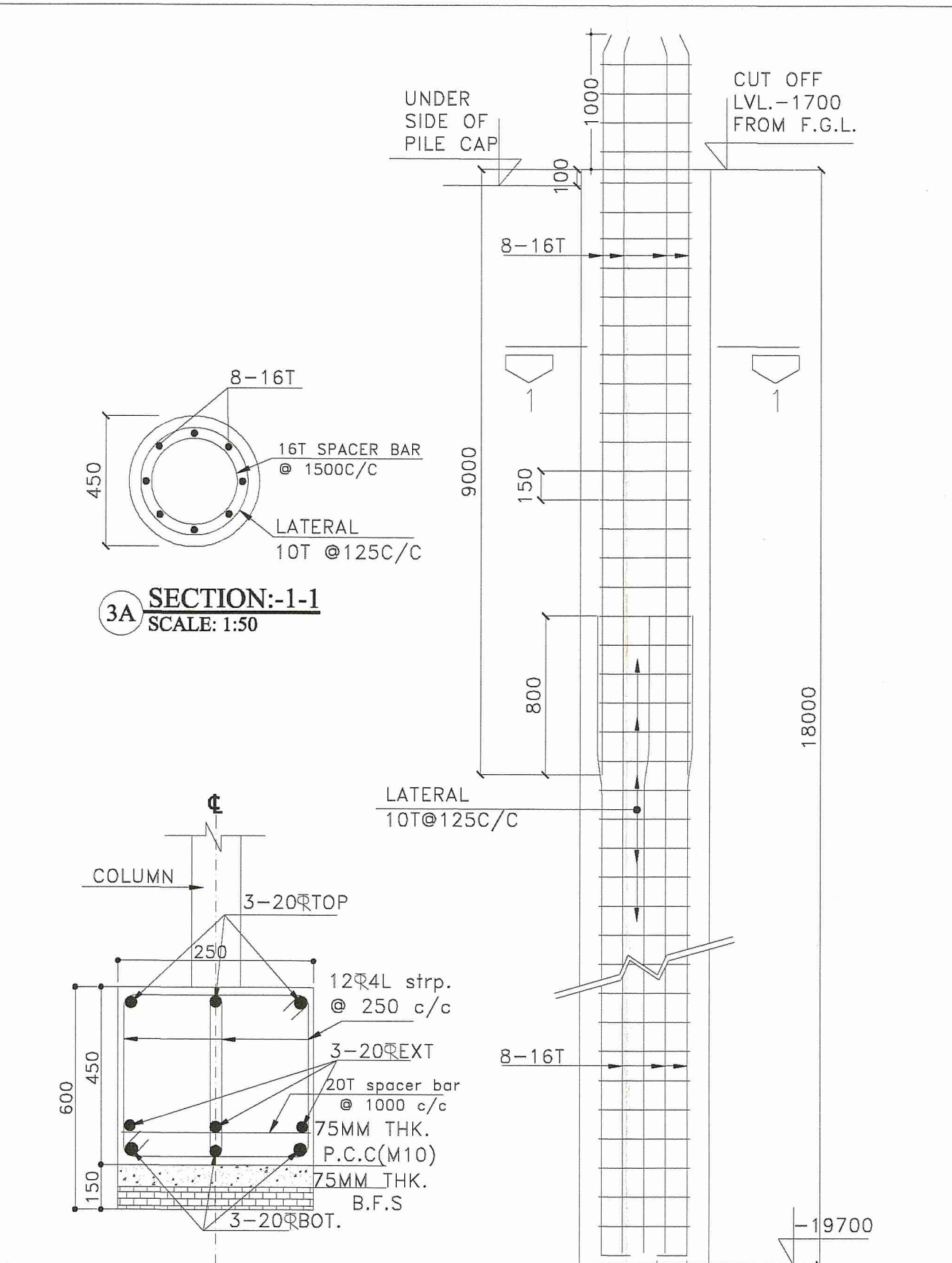
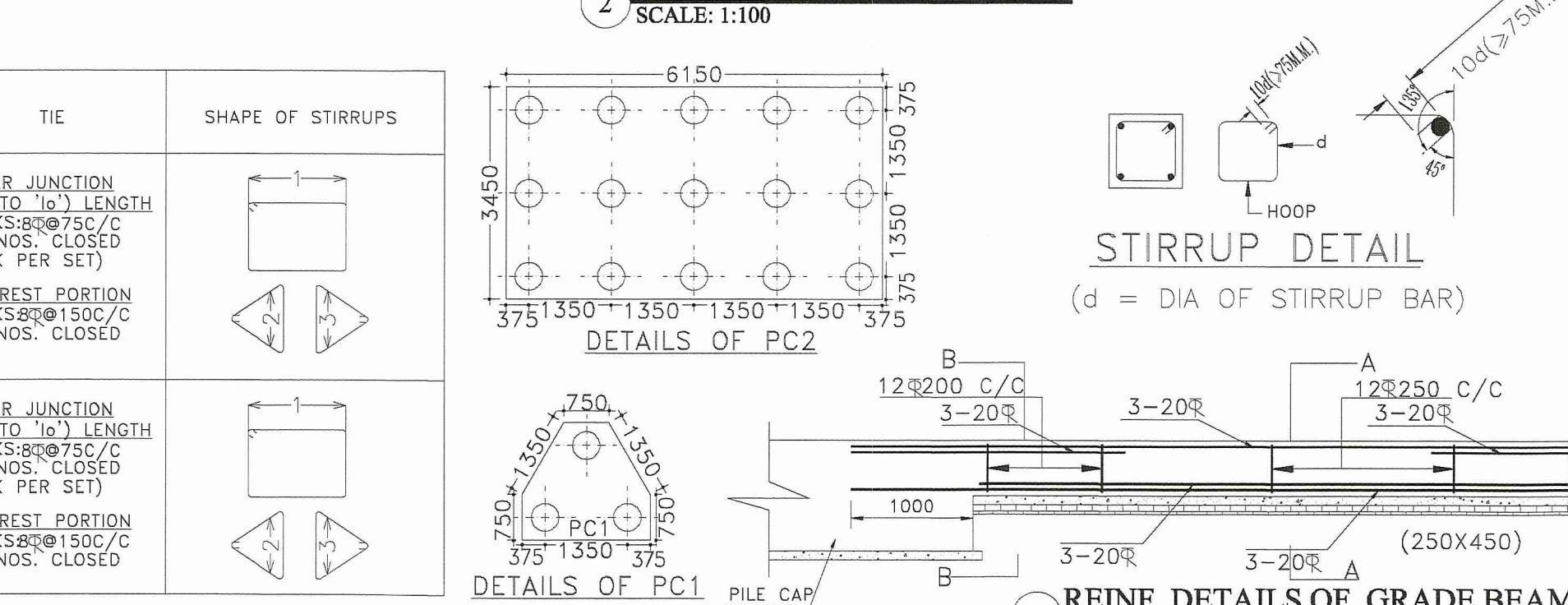
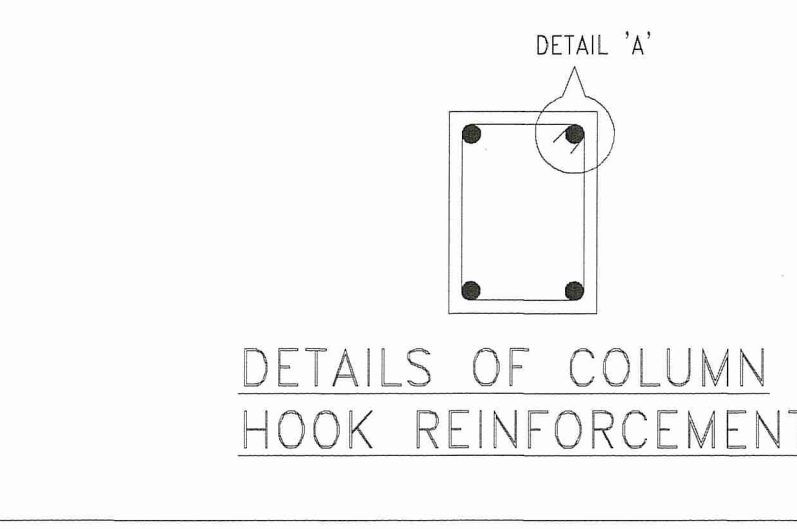


TABLE NO:-02 (SCHEDULE OF PILE CAP (450 ϕ PILE))

PILE CAP MARKED	NO OF COLUMN	CAP LENGTH (MM)	CAP SIZE WIDTH (MM)	THICKNESS (T) IN MM	BOTTOM REINFORCEMENT (A)		TOP REINFORCEMENT (B)		C LINK (C) BOTH DIRECTION	SIDE FACE REINFORCEMENT (D)	CUT OFF LEVEL
					ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION			
PC1 (3P)	(C1-C4),C19,C20,(C23-C47)	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 @ 100 C/C	16 ϕ @ 150 C/C	(-) 1.7 m
PC2 (15P)	(C15+C16+C22+LIFT-1)(C17+C18+C21+ELEVATOR)	6150	3450	1200	20 ϕ @ 150 C/C	20 ϕ @ 150 C/C	20 ϕ @ 150 C/C	20 ϕ @ 150 C/C	12 ϕ @ 100 C/C	16 ϕ @ 150 C/C	(-) 2.1 m

TABLE NO:-03 (SCHEDULE OF PILE)

LEGEND	DIA OF PILE (MM)	CUT-OFF LEVEL (MM)	PILE LENGTH (M)	MAIN REINFORCEMENT	PILE CAPACITY			REMARKS
					SAFE WORKING LOAD IN TONS	COMPRESSION	TENSION	
⊕	450 DIA	EL.(-)1.7 EXCEPT PILES UNDER LIFT PIT	18	8-16R(ALTH)	-	-	-	CUT OFF LEVEL IS (-) 2.1 M LEVEL UNDER LIFT PIT PILE



Approved

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 District Engineer
 Bankura Zilla Parishad

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 Assistant Engineer
 (F. & R.D.)
 Bankura Zilla Parishad

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SIGNATURE OF DEVELOPER/OWNER:--
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 SHREE BUILDERS
 Kuntal Banerjee
 Partners

VETTED BY:--
[Signature]
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 CIVIL ENGINEERING DEPT.
 JADAVPUR UNIVERSITY
 KOLKATA-700032, (WB)

TITLE:--
 COLUMN LAYOUT PLAN, FOUNDATION LAYOUT PLAN, SCHEDULE OF COLUMN, SCHEDULE OF FOUNDATION, TYPICAL DETAIL OF PILE CAP, TYPICAL DETAIL OF PILE, REIN. DETAILS OF GRADE BEAM.

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

REV-00

DATE :-25.07.2022

SHEET NO:- GIDS/STRUC:-01-03