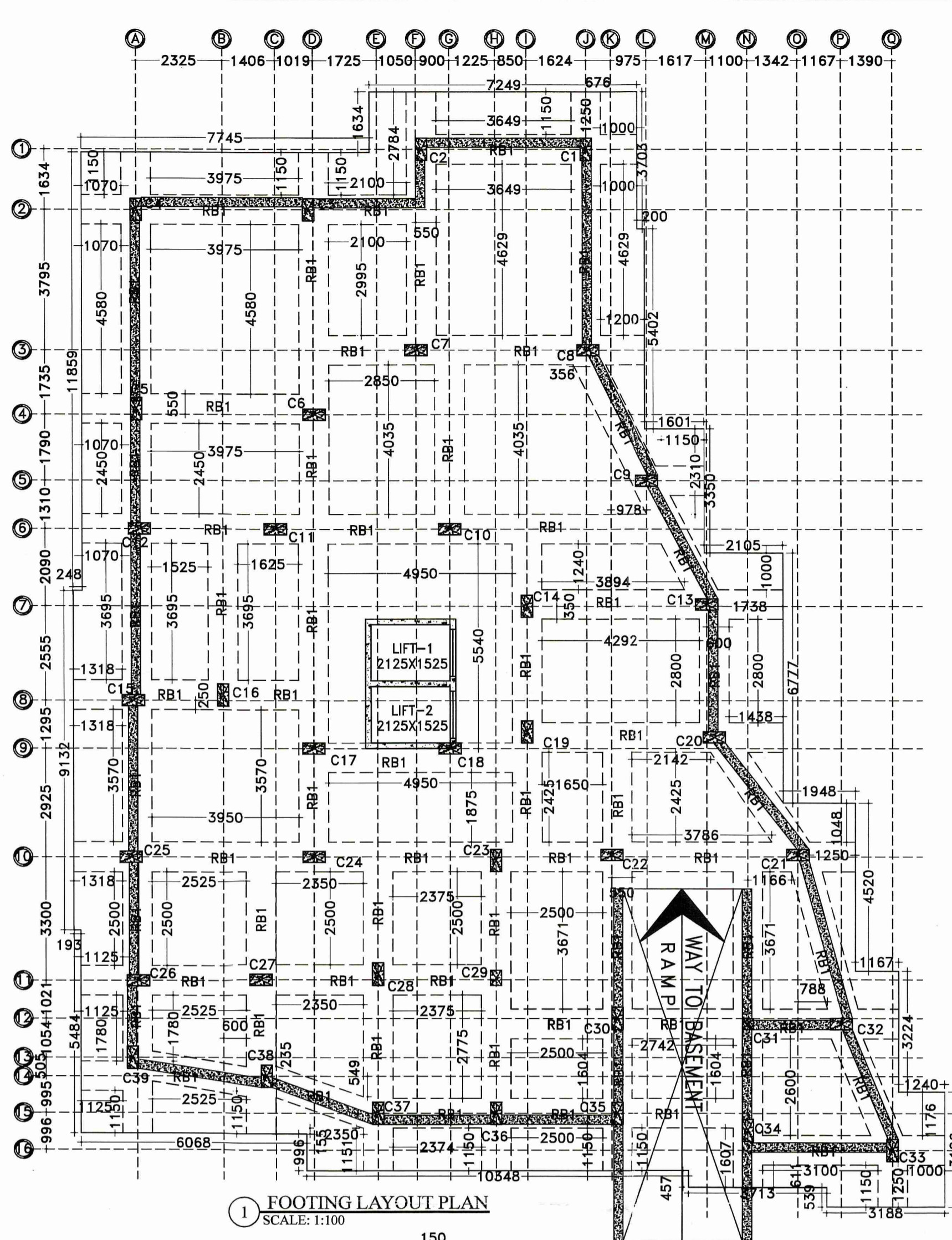


1 COLUMN LAYOUT PLAN SCALE: 1:100



1 FOOTING LAYOUT PLAN SCALE: 1:100

TABLE NO:-01 (SCHEDULE OF COLUMNS)

COLUMN MARKED	NO. OF COLUMN	COLUMN SIZE (mm)	REINFORCEMENT			TIE	SHAPE OF STIRRUPS
			FOUNDATION TO 2RD FLOOR LONGITUDINAL REINFORCEMENT	3TH FLOOR TO 4TH FLOOR LONGITUDINAL REINFORCEMENT	5TH FLOOR TO ROOF LONGITUDINAL REINFORCEMENT		
C1,C2,C3,C4,C5, C8,C9,C12,C13, C15,C20,C21.	12	600X300	600 REINFORCEMENT: 12-20 ϕ	600 REINFORCEMENT: 8-20 ϕ 6-16 ϕ	600 REINFORCEMENT: 4-20 ϕ 6-16 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	
C25,C26,C32, C33,C34,C35, C36,C37,C38, C39.	10	600X300	600 REINFORCEMENT: 12-20 ϕ	600 REINFORCEMENT: 8-20 ϕ 4-16 ϕ	600 REINFORCEMENT: 6-20 ϕ 6-16 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	
C6,C7,C10, C11,C14,C16, C17,C18.	08	600X300	600 REINFORCEMENT: 8-20 ϕ 4-16 ϕ	600 REINFORCEMENT: 8-20 ϕ 4-16 ϕ	600 REINFORCEMENT: 4-20 ϕ 8-16 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	
C19,C22,C23, C24,C27,C28, C30.	07	600X300	600 REINFORCEMENT: 8-20 ϕ 4-16 ϕ	600 REINFORCEMENT: 6-20 ϕ 6-16 ϕ	600 REINFORCEMENT: 4-20 ϕ 8-16 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	

TABLE NO:-02 (SCHEDULE OF COLUMNS)

COLUMN MARKED	NOS. OF COLUMN	COLUMN SIZE (mmXmm)	FOUNDATION TO BASEMENT ROOF LONGITUDINAL REINFORCEMENT	TIE	SHAPE OF STIRRUPS
C31	01	300X300	300 REINFORCEMENT: 6-20 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	

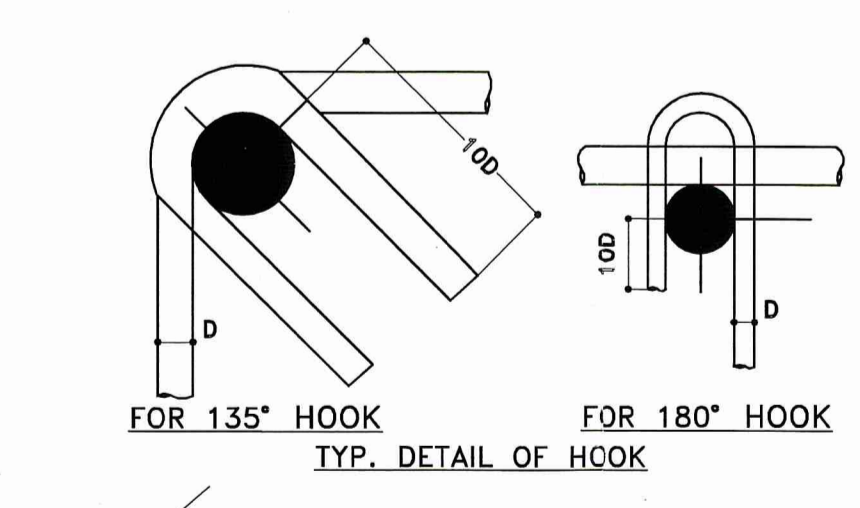
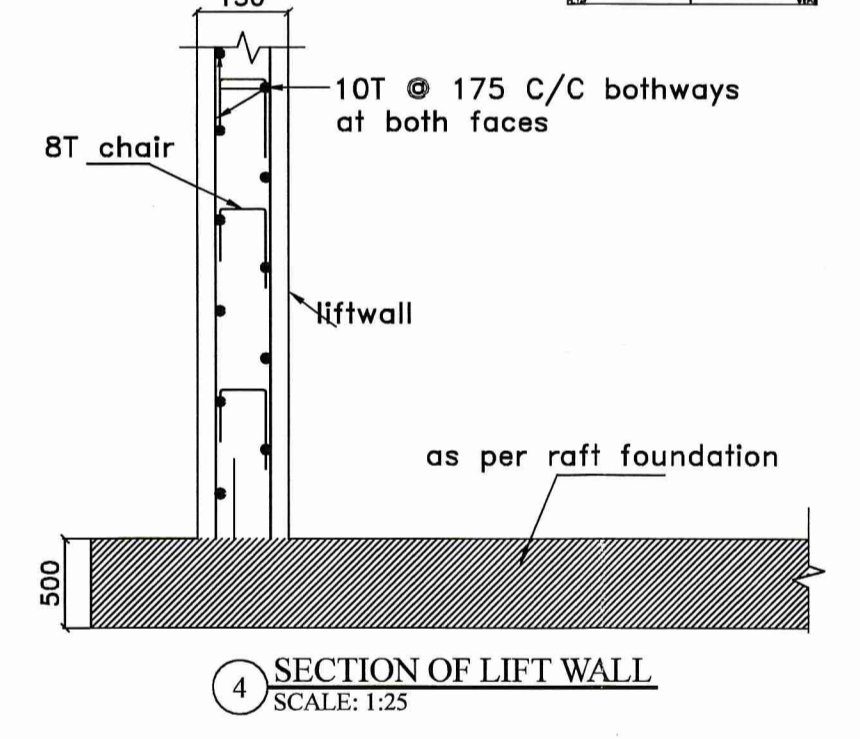
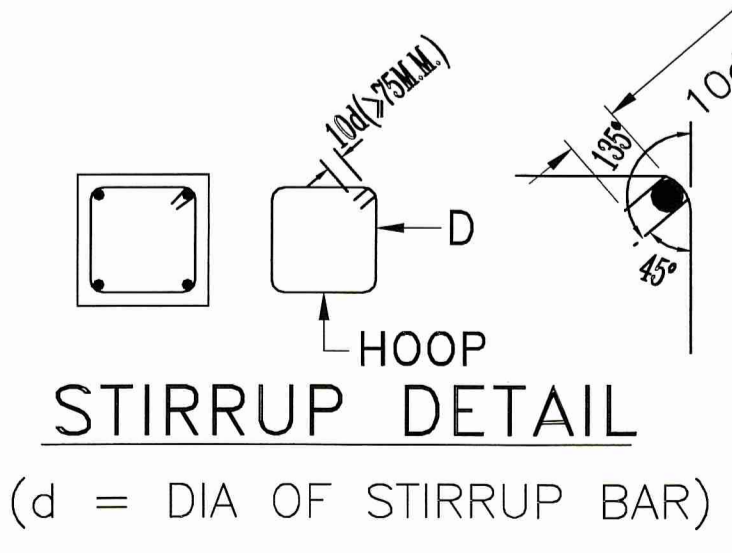
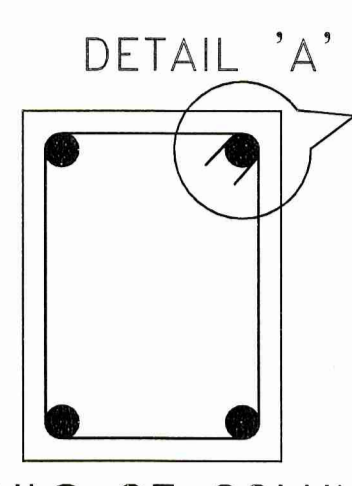
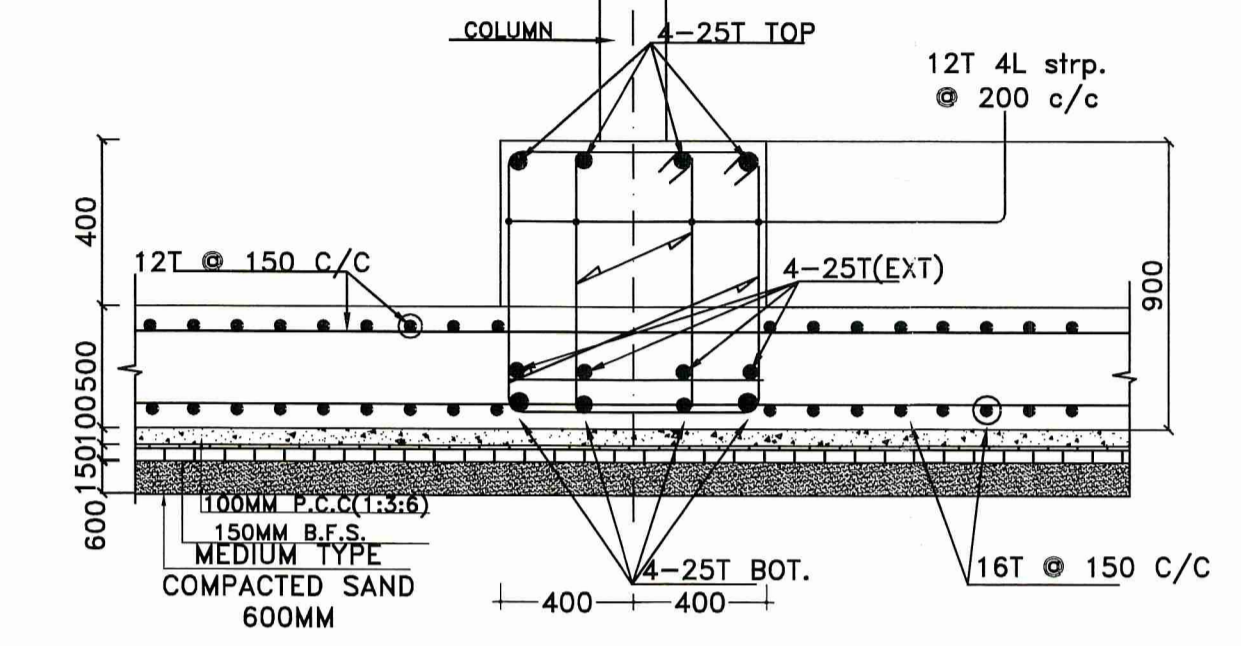
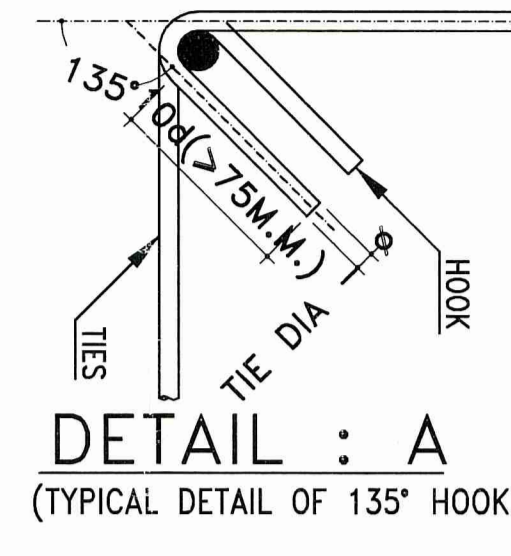


TABLE NO:-01 (SCHEDULE OF RAFT BEAM)

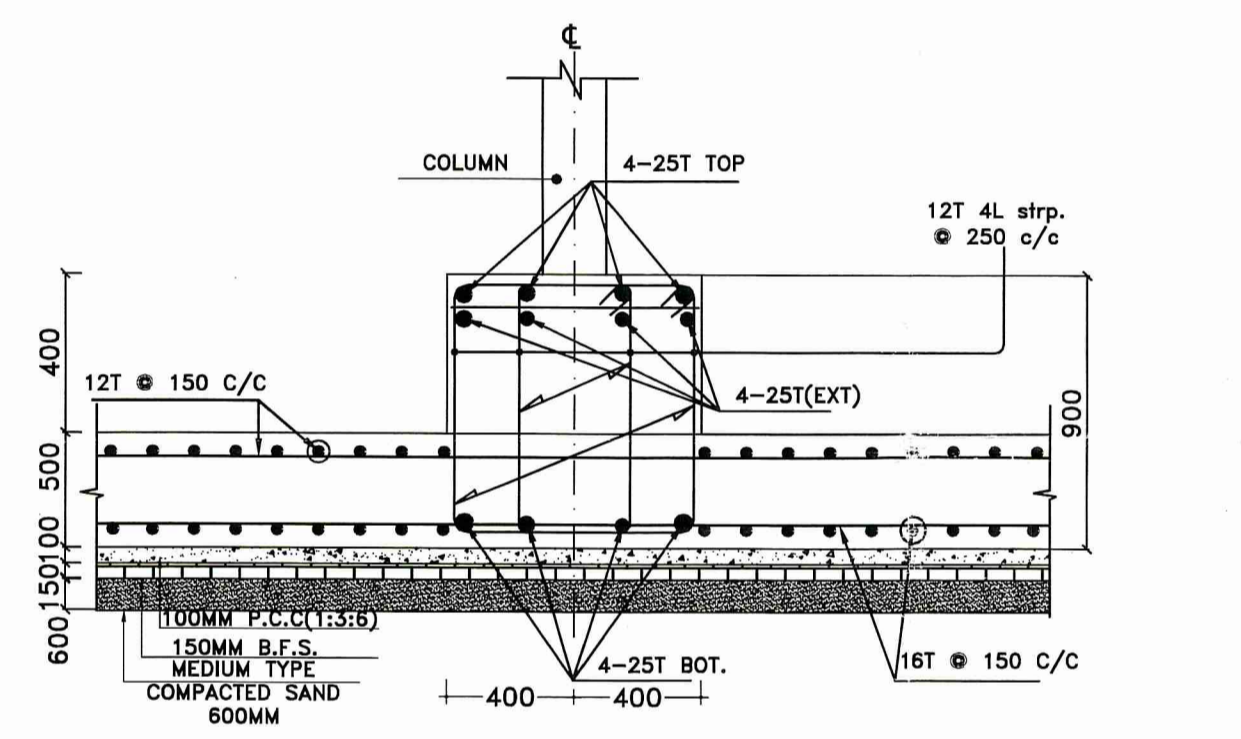
Beam Mkd	Size B D	Ext. of End Supp.					STIRRUPS	
		Top(a)	Botl.(c)	Supp. Top (b)	Ext. of Span (e)	Supp. Top (b)	Support(S)	Span(S)
RB1	800 900	4-25T	4-25T	4-25T	4-25T	4-25T	4L-12T@200C/C	4L-12T@250C/C



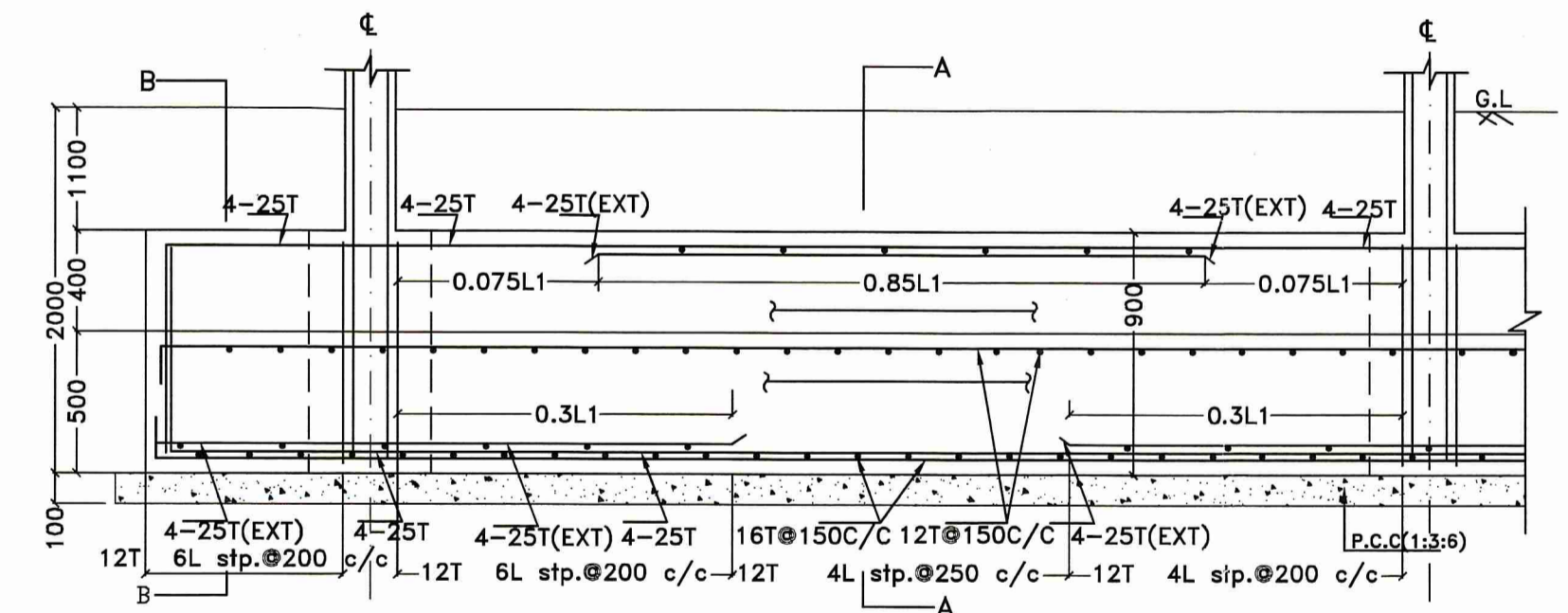
DETAILS OF COLUMN HOOK REINFORCEMENT



5 CROSS SECTION :- B-B SCALE: 1:25



6 CROSS SECTION :- A-A SCALE: 1:25



7 LONG SECTION OF RAFT FOUNDATION SCALE: 1:25

TABLE NO:-03 (SCHEDULE OF COLUMNS)

COLUMN MARKED	NOS. OF COLUMN	COLUMN SIZE (mmXmm)	FOUNDATION TO 4TH ROOF LONGITUDINAL REINFORCEMENT	5TH FLOOR TO ROOF LONGITUDINAL REINFORCEMENT	TIE	SHAPE OF STIRRUPS
C31	01	300X300	300 REINFORCEMENT: 8-20 ϕ	300 REINFORCEMENT: 4-20 ϕ 4-16 ϕ	NEAR JUNCTION (UPTO 10 ϕ) LENGTH LINKS: 8 ϕ 75C/C (A NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 ϕ 150C/C (4 NOS. CLOSED LINK PER SET)	

SIGNATURE OF ARCHITECT:-
Himanshu Ghosh
HIROK GHOSH
Consultant Civil Engineer (Class-A)
No. 18, N. W. 161/15, 4C, DMC/BPO/BS
BSE & TECH. BLDG S. Durgapur - 713
Contact No. - 9332333331

SIGNATURE OF GEO-TECHNICAL ENGINEER:-
Manoj Maity
MANDOJ MAITY
Civil/Geotechnical Engineer
CE, MDS - 194278
1/c No. - LBPA/152/ARC
B.I.O.S. Durgapur - 713

SIGNATURE OF STRUCTURAL ENGINEER:-
S.K. Mandal
S.K. Mandal
B.E. (Civil), M.T.E., M.I.E.S.
L.B.S. - Class-I (K.M.C.) EST-
Consulting Chartered Engineer
Structural & Geo-Technical
ESE-11/399, LBS-1/1245

PROJECT NAME:-
PLAN OF PROPOSED (B+G+4+1) STORED RESIDENTIAL BUILDING OF MR. NIRMAL KUMAR MONDAL S/O LATE JATADHARI MONDAL, R.S. PLOT NO-1402,3064, L.R. PLOT NO-2284,2285, KHATIAN NO-6453, J.L. NO-119, MOUZA BHIRINGI, P.S. FARIDPUR, DIST-BURDWAN, HOLDING NO- CIRCLE/WARD NO- ID NO-

- 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

SIGNATURE OF DEVELOPER/OWNER:-

Nirmal Kumar Mondal

VETTED BY:-

S.K. Mandal

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

TITLE:-
COLUMN LAYOUT PLAN, COLUMN SCHEDULE, STIRRUP DETAILS, HOOK DETAILS, SECTIONAL DETAILS OF STAIR, TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM, CROSS BEAM JUNCTION DETAILS,

DRAWN BY: A. BAIDYAKAR.
CHECKED BY: S AKHTER.
SCALE : 1:100, 1:50, 1:25, N.T.S
REV-00
SHEET NO:- STRUCTURE:-01-03

