SCHEDULE OF FLOOR & ROOF BEAMS (CONC. GRADE -M20)

BEAM MKD.	BEAM SIZE.	REINFORCEMENT					
		SUPPORT		SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250X450	4-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	8 Ø 2L @ 150 C/C	8 Ø 2L @ 225 C/C
B2	250X500	2-20 Ø + 4-16 Ø	3-16 Ø	3-16 Ø	2-20 Ø + 4-16 Ø	-DO-	-DO-
B3	250X450	3-16 Ø	2-16 Ø	2-16 Ø	5-16 Ø	- DO -	- DO -
B3A	250X450	6-16 Ø	3-16 Ø	6-16 Ø	3-16 Ø	- DO -	- DO -
B4	250X450	3-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	- DO -	- DO -
B5	250X500	4-16 Ø	3-16 Ø	2-16 Ø	6-16 Ø	- DO -	- DO -
B6	250X500	2-16 Ø	2-16 Ø	2-16 Ø	3-16 Ø	- DO -	- DO -
B7	250X400	3-16 Ø	2-16 Ø	2-16 Ø	3-16 Ø	- DO -	- DO -
B	250X450	6-16 Ø	3-16 Ø	———	———	- DO -	- DO -
TIE BEAM (connecting with pile cap)							
TB	250X450	4-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	8 Ø 2L @ 200 C/C	8 Ø 2L @ 250 C/C
TB1	250X450	3-16 Ø	2-16 Ø	2-16 Ø	3-16 Ø	8 Ø 2L @ 200 C/C	8 Ø 2L @ 250 C/C

SCHEDULE OF PILE CAP			LENGTH	BREADTH	DEPTH	REINFORCEMENT DETAILS OF PILE CAP		
PILE CAP MKD.	NO. OF PILES UNDER SINGLE COLUMN	COL.MKD.				BOTTOM REINFORCEMENT (AS1) BOTH WAYS	TOP REINFORCEMENT (AS2) BOTH WAYS	SECONDARY REINFORCEMENT
PC1	2	1,2,3,4,5,6,7,8,10,11,12, 13,14,16,17,18,19,20, 22,23,24,25,26,27,28,29, 30,31,32,33,34,35,36,37, 38,39,40,41,42,43,44	2100	750	800	16 Ø-150 C/C b.w	12 Ø-125 C/C b.w 12 Ø-125 C/C b.w 12 Ø-100 C/C b.w	4-12 4-12 5-12
PC2	3	9	2100/750	1920	800	16 Ø-125 C/C b.w		
PC3	4	LIFT + 21	2300	2700	1000	16 Ø-100 C/C b.w		

* SCHEDULE OF SLAB *

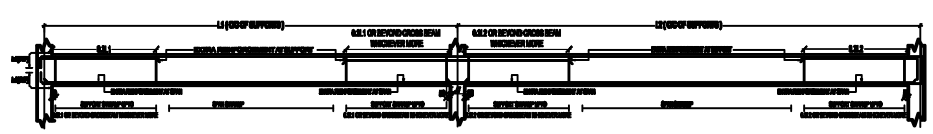
SLAB MKD.	THK. IN m.m.	ALONG SHORTER AXIS			REINFORCEMENT / ALONG LONGER AXIS		
		SUPPORT		SPAN	SUPPORT		SPAN
		TOP	BOTTOM	BOTTOM	TOP	BOTTOM	BOTTOM
S1	115	8 m.m. dia @150 m.m. c/c. upto ½	8 m.m. dia @150 m.m. c/c.	8 m.m. dia @150 m.m. c/c.	8 m.m. dia @175 m.m. c/c. upto ½	8 m.m. dia @175 m.m. c/c.	8 m.m. dia @ 175 m.m. c/c.
S2	125	8 m.m. dia @150 m.m. c/c. upto ½	8 m.m. dia @150 m.m. c/c.	8 m.m. dia @150 m.m. c/c.	8 m.m. dia @175 m.m. c/c. upto ½	8 m.m. dia @175 m.m. c/c.	8 m.m. dia @ 175 m.m. c/c.
S3	125	10 m.m. dia @150 m.m. c/c. all through	8 m.m. dia @150 m.m. c/c.		8 m.m. dia @150 m.m. c/c. all through ¼	8 m.m. dia @150 m.m.	

* SCHEDULE OF STAIR CASE *

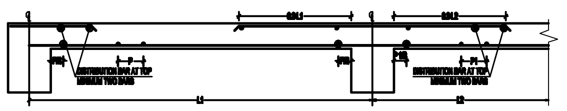
THICKNESS OF WAIST SLAB = 175 mm.
THICKNESS OF LANDING SLAB = 175 mm.
MAIN REINFORCEMENT = 12 mm.Ø @ 150 mm.c/c
DISTRIBUTION BAR = 8 mm. Ø @ 150 mm. c/c.

SCHEDULE OF COLUMN

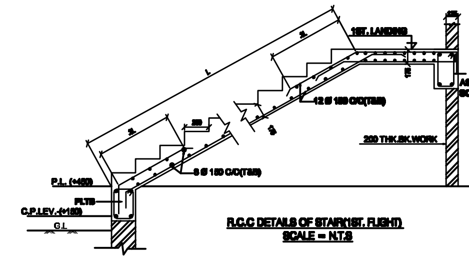
COLUMN MKD.	REINFORCEMENT		
	GR., 1ST. FL.	2ND, 3RD FL.	4TH FL.
1,3,4,5,22,32, 39,43,44,23A	8-16 Ø; 8 Ø @ 150 C/C	8-16 Ø; 8 Ø @ 150 C/C	4-16 + 4-12 Ø; 8 Ø @ 150 C/C
[illegible]	8-16 Ø; 8 Ø @ 150 C/C	8-16 Ø; 8 Ø @ 150 C/C	4-16 + 4-12 Ø; 8 Ø @ 150 C/C
[illegible]	[illegible]	[illegible]	[illegible]



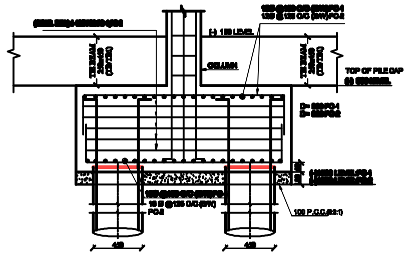
TYPICAL CURTAILMENT DETAIL OF FLOOR BEAM REINFORCEMENT:-
(UNLESS DIMENSION ARE PARTICULARLY MARKED OTHERWISE)



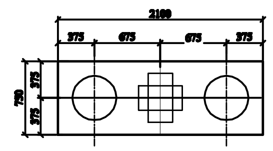
TYPICAL CURTAILMENT DETAIL OF SLAB REINFORCEMENT:-
(UNLESS DIMENSION ARE PARTICULARLY MARKED OTHERWISE)



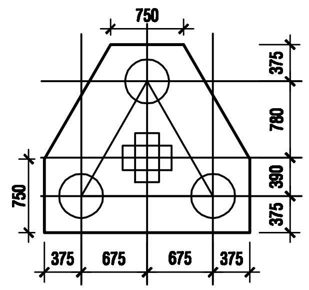
R.C.C DETAILS OF STAIR(1ST. FLIGHT)
SCALE = N.T.S



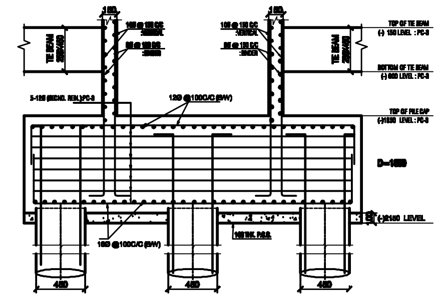
SECTIONAL ELEVATION OF PC-1,PC-2



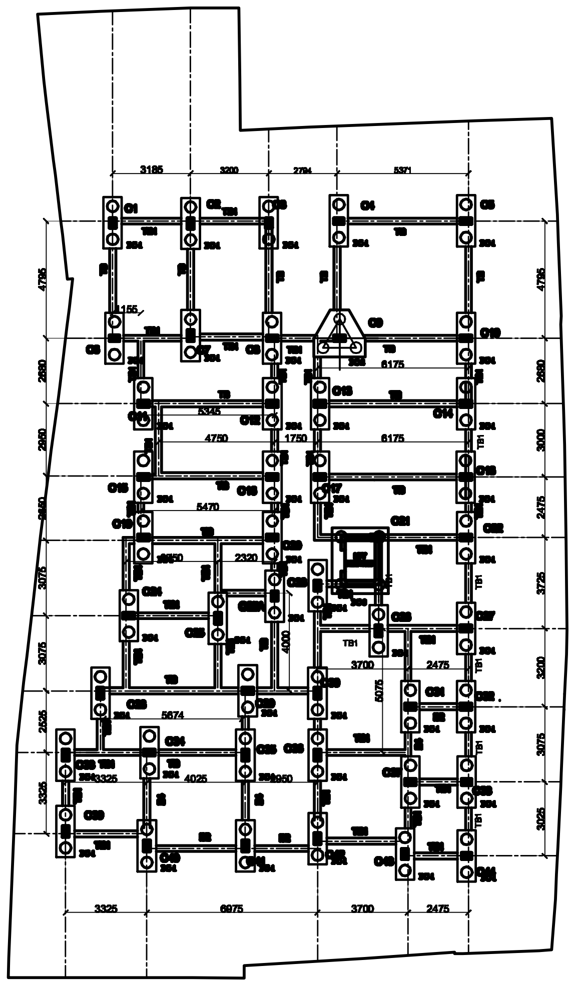
DETAILS OF PC-1
SCALE = 1:25



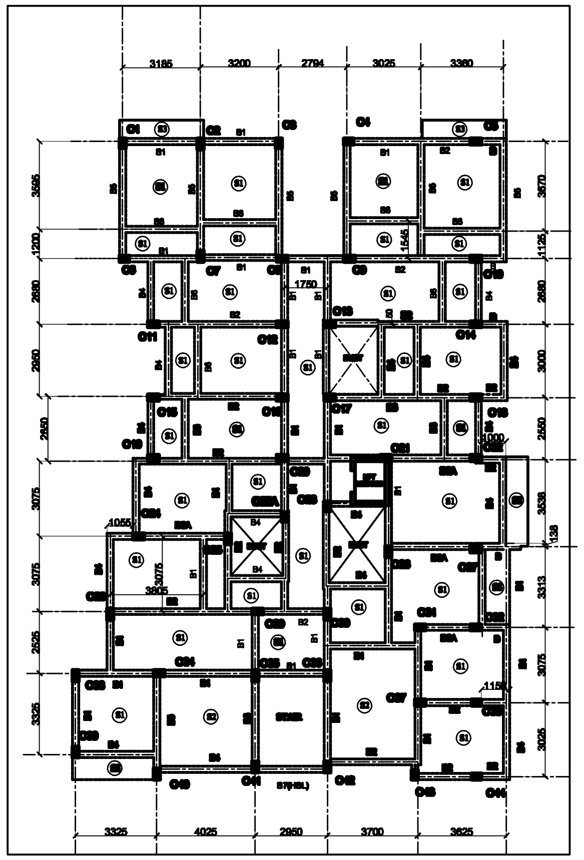
DETAILS OF PC-2
SCALE = 1:25



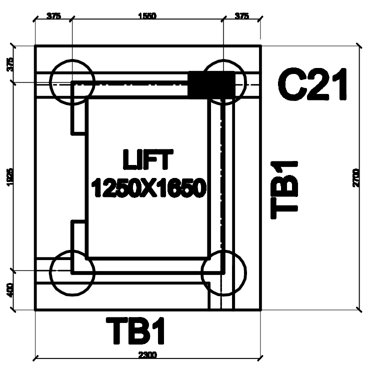
SECTIONAL ELEVATION OF PC 3
SCALE = 1:25



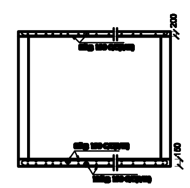
STRUCTURAL LAY-OUT OF FOUNDATION
SCALE=1:100



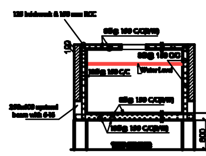
STRUCTURAL LAY-OUT OF FOUNDATION
SCALE=1:100



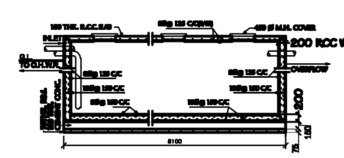
DETAILS OF PC-3
LIFT+21
SCALE = 1:25



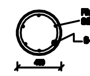
SECTION OF LIFT M/C RM.
SCALE=1:50



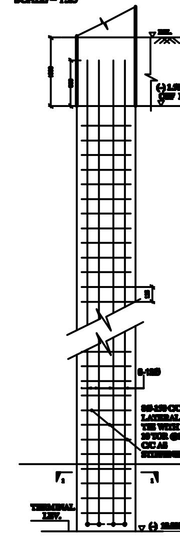
SECTION OF OVERHEAD WATER RESERVOIR
SCALE=1:50



SECTION OF SEMI-UNDER GROUND WATER RESERVOIR



SECTION 1-1
SCALE = 1:25



LONGITUDINAL SECTION
OF 450 DIA PILE
SCALE = 1:25

LEGEND : NO.1 : STRUCTURAL DRAWING.

CERTIFICATE OF THE CIVIL ENGINEER :

CERTIFIED THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT, AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT .

GAUTAM MAJUMDAR

NAME & ENROLLMENT NO. OF CIVIL ENGINEER

CERTIFICATE OF THE LBS/ARCHITECT :

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT HAVE BEEN PREPARED BY ME COMPLYING WITH THE BUILDING RULES. I ALSO CERTIFY THAT THE PLANS AND DRAWINGS PREPARED BY ME COMPLY WITH ALL PROVISIONS REGARDING THE FIRE PROTECTION AS PER THE PREVAILING NATIONAL BUILDING CODE. I SHALL BE HELD RESPONSIBLE IF ANY INCORRECT INFORMATION IS FURNISHED BY ME OR ANY VIOLATION OF PROVISIONS OF THESE RULES OR THE PREVAILING NATIONAL BUILDING CODE IS FOUND IN ANY OF THE DRAWINGS AND DOCUMENTS SIGNED BY ME AND SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

NAME & ENROLLMENT NO. OF ARCHITECT

SIGN OF OWNERS

LAYOUT-CENTERLINE : PILE,FOUNDATION,COL.,SLAB.
: BEAM, TIE-BEAM.
SECTION : FOUNDATION,COL.,SLAB,BEAM.
: STAIRCASE, LIFT WELL.
SCHEDULE : SLAB, BEAM, COLUMN.
NOTES

DRAWN BY	S.S.R.
CHECKED BY	GAUTAM MAJUMDAR
DRG. NO./DT.	15-04-2025
SCALE	[illegible]

STRUCTURAL DRAWING FOR THE PROPOSED G+3 STORIED BUILDING OF AMIT KUMAR ROY & DILIP DUTTTA TO BE CONSTRUCTED WITHIN MOUZA: KAIKHALI, JL.NO.5 RS/LR DAG NO:357,WARD NO:8 UNDER BIDHAN NAGAR MUNICIPAL CORPORATION .

N.B. : THIS DRAWING IS A PROPERTY OF [illegible] AND NOT TO BE COPIED OR USED WITHOUT IT'S PRIOR PERMISSION.