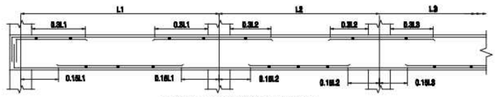
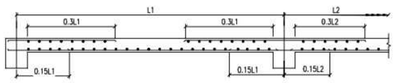
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

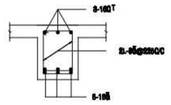


TYPICAL LONG SECTION OF BEAM

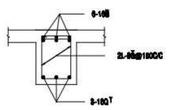
SCHEDULE OF ISOLATED FOOTING

PILE CAP MKD.	NOS OF PILE	COLUMN MKD.	L	B	D	AST BOTTAM REINF.	AST1 TOP REINF.	AS STIRRUPS REINF. (SIZE)
PC1	2	C1,C3,C4,C5,C6 C12,C11,C21,C23,C29, C30,C31,C32,	2100	750	1000	20TOR.@150C/C	12TOR.@150C/C	5-12TOR.
PC2	3	C7,C8,C9,C15,C13, C16,C18,C21,C24,C25, C26,C27.	2100/ 750	1920	1100	20TOR.@125C/C	12TOR.@125C/C	5-12TOR.
PC3	9	LIFT COL. - C11,C14, & C15 LIFT COL. - C19,C20, & C22,	3550	3450	1200	20TOR.@100C/C	12TOR.@100C/C	5-12TOR.

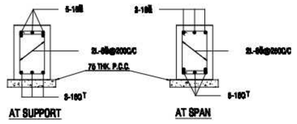




SECTION ON BEAM MKD. 'B1A' AT SPAN



SECTION ON BEAM MKD. 'B1A' AT SUPPORT



TYPICAL C/S OF TB(250 X500)

SCHEDULE OF BEAMS

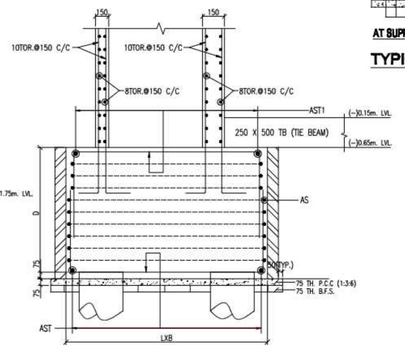
MKD.	BEAM SIZE	REINFORCEMENT					
		AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250 X 600	5-16T	3-16T	3-16T	4-16T	2L-8@150C/C	2L-8@225C/C
B1A	250 X 600	5-16T	3-16T	3-16T	5-16T	2L-8@150C/C	2L-8@225C/C
B2	250 X 600	5-16T	3-16T	3-16T	4-16T	2L-8@150C/C	2L-8@225C/C
B3	250 X 600	5-16T	3-16T	3-16T	5-16T	2L-8@150C/C	2L-8@225C/C
B3A	250 X 600	4-16T	3-16T	3-16T	5-16T	2L-8@150C/C	2L-8@225C/C
B4	250 X 400	5-16T	3-16T	3-16T	3-16T	2L-8@150C/C	2L-8@225C/C
B5	250 X 400	5-16T	3-16T	3-16T	3-16T	2L-8@150C/C	2L-8@225C/C
CB	600 X 125	4-16T	4-16T	4-16T	4-16T	2L-8@150C/C	2L-8@225C/C
TIE BEAM(TB)	250X500	5-16T	3-16T	3-16T	5-16T	2L-8@200C/C	2L-8@250C/C
TIE BEAM(TB1)	250X500	5-16T	3-16T	3-16T	5-16T	2L-8@200C/C	2L-8@250C/C

SCHEDULE OF COLUMN

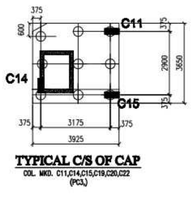
COLUMN MKD.	COLUMN SIZE	MAIN REINFORCEMENT	LINK
C1,C4,C5,C11, C22,C25,C31,C32	300 X 600	8-20T	2L-8@150C/C (2 SETS)
C2,C3,C6,C9,C12, C13,C14,C15,C16,C17,C18, C19,C20,C21,C23,C24,C26,C28,	300 X 600	10-20T	2L-8@150C/C (2 SETS,1 LAYER)
C7,C8,C10, C27,C29,C30,	300 X 600	4-20T 6-20T	2L-8@150C/C (2 SETS,1 LAYER)

SCHEDULE OF SLABS

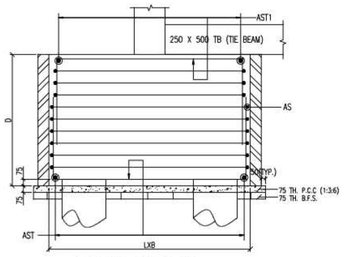
SLAB MKD.	THK.	AT SHORTER DIRECTION			AT LONGER DIRECTION		
		TOP OVER SUPPORT	BOTTOM	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM	BOTTOM AT SPAN
S1	125	8@150C/C UP TO L/4	8@180C/C	8@150C/C	8@175C/C UP TO L/4	8@175C/C	8@175C/C
PROVIDE DISTRIBUTORS 8@400 C/C WHEREVER NECESSARY							
NOTE:- EXTRA TOP REINFORCEMENT TO BE PROVIDED UP TO L/4 FROM SUPPORT							



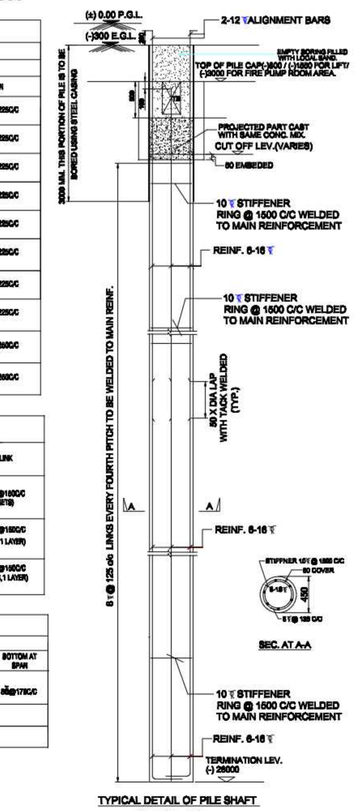
TYPICAL C/S OF CAP PC3,



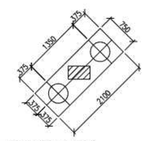
TYPICAL C/S OF CAP
COL MKD. C11,C14,C15,C19,C20,C22 (PC3,)



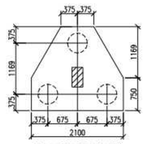
TYPICAL C/S OF CAP (PC1, PC2,)



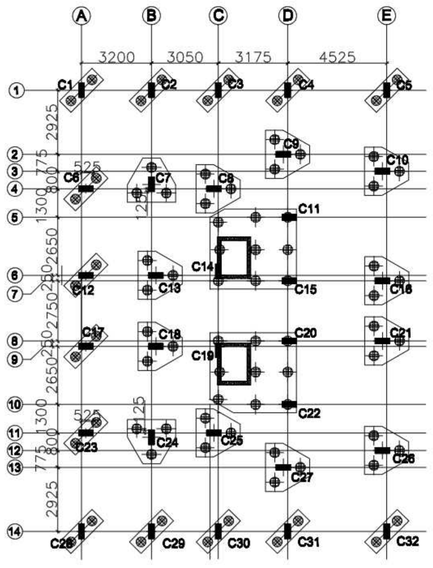
TYPICAL DETAIL OF PILE SHAFT
PILE DIA=450



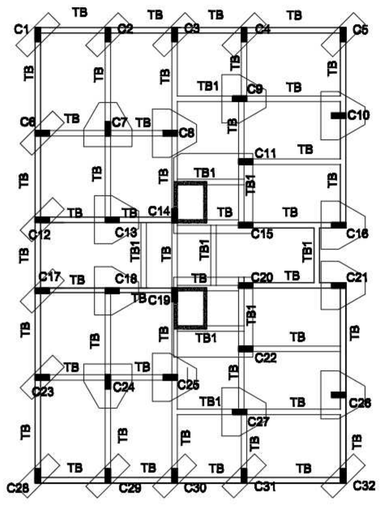
PLAN OF 2PC (450Ø)
PC-1
SCALE:-1:50



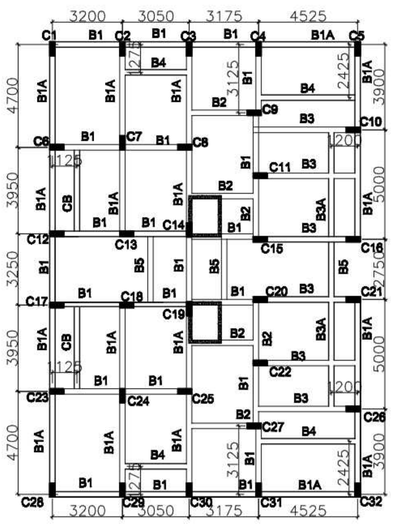
PLAN OF 3PC (450Ø)
PC-2
SCALE:-1:50



BLOCK-4
PILE 82 NOS
DIA OF PILE 450 MM



BLOCK-4
TIE BEAM LAY-OUT PLAN



BLOCK-4
TYP. ROOF BEAM LAY-OUT PLAN.

DESCRIPTION OF PLAN

STRUCTURAL PLAN OF A (G+VII) STORIED BUILDING WITH (G+VII) STORIED COLUMN FOUNDATION TO BE CONSTRUCTED IN PART OF R.S. DAG NOS - 268, 269, 270, 271, 272, 273, 307, AT MOUZA - BISHARPARA, J.L. NO - 05 , HOLDING NO - 267 (226), NORTH NILACHAL ROAD , R.S. KHATIAN NOS - 160, 527, 817,863,1254,MODIFIED KHA. NOS-1327,1328,1329,1330,L.R. KHATIAN NOS - 3996, 3918, 3919, 63, 87, 833, 1438, 464, 886, 3675, WARD NO - 33 , P.S.- AIRPORT, DIST.- 24 PGS (N), UNDER NORTH DUM DUM MUNICIPALITY,

OWNERS NAME :-

(1) SRI.DIPAK BOSE
(2) SRI. GAUTAM BOSE
(3) SRI. ASIT BOSE
(4) SMT. SUPRIYA SARKAR(BOSE)
(5) SRI. MANIK CH.BOSE
(6) SRI. MALOY BOSE
(7) SRI. ARABINDA BOSE
(8) SRI. SUJIT BOSE
(9) SRI. MADHAI DAS
(10) SMT. RINKU DAS

NOTES:–

1. ALL DIMENSIONS ARE IN MM UNLESS IT IS MENTIONED
2. GRADE OF CONCRETE SHALL BE M25.
3. GRADE OF REINFORCEMENT SHALL BE Fe500
4. CLEAR COVER TO MINIMUM REINFORCEMENT SHALL BE
   a) FOUNDATION = 50 MM
   b) TIE-BEAM/COLUMN = 40 MM.
   c) BEAMS = 25 MM.
   d) SLAB = 20 MM.
   e) STAIR WAIST SLAB = 20 MM.
5. MIX OF P.C.C. SHALL BE 1:3:6

CERTIFICATE BY OWNER

CERTIFIED THAT I SHALL NOT ON ALATER DATE MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. CERTIFIED THAT I HAVE GONE THROUGH THE RULES FOR NORTH DUM DUM MUNICIPALITY AND ALSO UNDER TAKE TO ABIDE BY THOSE RULES DURING & AFTER THE CONSTRUCTION OF THE BUILDING.

SIGN. OF OWNERS.

CERTIFICATE BY L.B.S

CERTIFIED THAT THE PLAN HAS BEEN DESIGNED & DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES OF NORTH DUM DUM MUNICIPALITY. CERTIFIED THAT THE FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME AS TO BE SAFE IN ALL RESPECTS INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL.

SIGN. OF STRL./ENGI. SIGN. OF L.B.S

SIGN. OF GEOTECH. ENGI.

REVISION	DESCRIPTION	DATE

SCALE =1:100 DATE 07/11/2022
(SHEET NO– 1 OF 1)

DRAWN BY = PRITAM DAS
FOR
S. K. RAY & CO.
M.B.ROAD,SIDDHESWARI KALIBARI
BIRATI, KOLKATA – 700 051.

CHECKED BY = S. K. RAY (ARCHITECT)

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