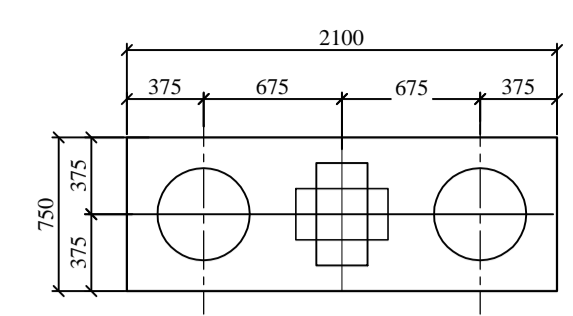
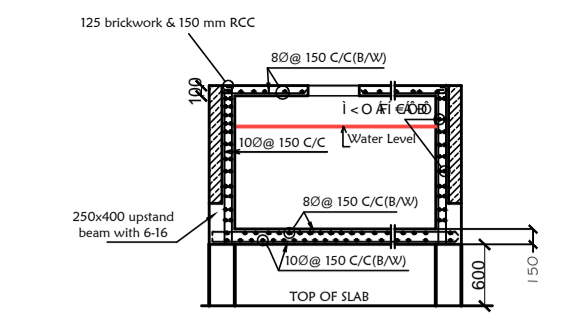


SCHEDULE OF FLOOR & ROOF BEAMS (CONC. GRADE -M20)							
BEAM MKD.	BEAM SIZE	REINFORCEMENT					
		SUPPORT		SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250X450	I B1 A	GB1 A	GB1 A	I B1 A	I A A30 A1 A30	I A A30 A3 A30
B2	250X450	I B1 A	GB1 A	GB1 A	I B1 A	-DO-	-DO-
B3	250X450	I B1 A	GB1 A	GB1 A	I B1 A	-DO-	-DO-
B4	250X450	HE1 A	GB1 A	GB1 A	I B1 A	-DO-	-DO-
B5	250X550	GB1 A I B1 A	GB1 A GB1 A	GB1 A	I B1 A GB1 A	-DO-	-DO-
BSA	250X550	I B1 A	1-20+2-16	GB1 A	I B1 A	-DO-	-DO-
B6	250X550	I B1 A	GB1 A	3-16	4-20+2-16	-DO-	-DO-
B7	250X450	HE1 A	GB1 A	GB1 A	I B1 A	-DO-	-DO-
B8	250X400	GB1 A	GB1 A	GB1 A	HE1 A	-DO-	-DO-
B8A	250X400	GB1 A	GB1 A	GB1 A	I B1 A	-DO-	-DO-
B9	250X400	HE1 A	GB1 A	GB1 A	HE1 A	-DO-	-DO-

PILE CAP MKD.	NO. OF PILES UNDER SINGLE COLUMN	COL.MKD.	LENGTH	BREADTH	DEPTH	REINFORCEMENT DETAILS OF PILE CAP		
						BOTTOM REINFORCEMENT (AS1) BOTH WAYS	TOP REINFORCEMENT (AS2) BOTH WAYS	SECONDARY REINFORCEMENT
PC1	2	1,2,3,4,5,6,9,10,15,24,27,32,33,34,37,39	2100	750	800	F1 A B G A B A E	F G A B G A B A E	4-12
PC2	3	7,8,11,12,13,14,16,17,18,21,22,23,26,28,24,29,31,35,36	2100/750	1920	850	F1 A B E E A B A E	F G A B E E A B A E	4-12
PC3	6	LIFT+19.30	4100	2700	1000	F1 A B E E A B A E	F G A B E E A B A E	5-12

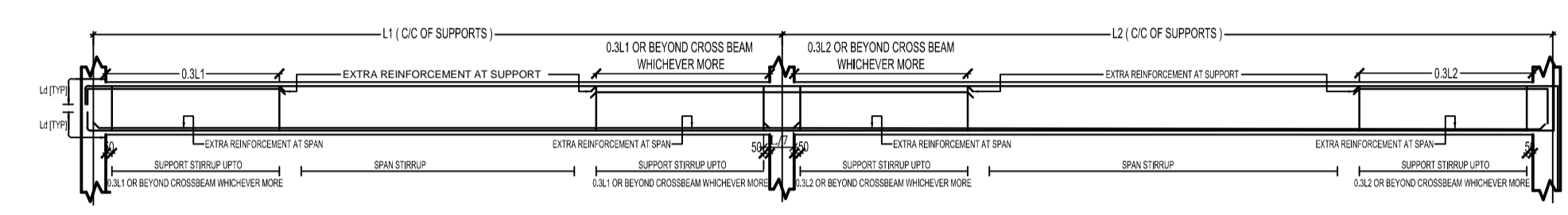


DETAILS OF PC-1
SCALE = 1:25

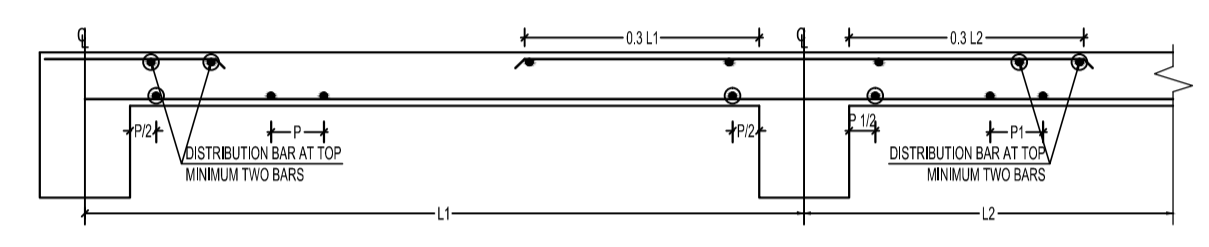


SECTION OF OVERHEAD WATER RESERVOIR
SCALE = 1:50

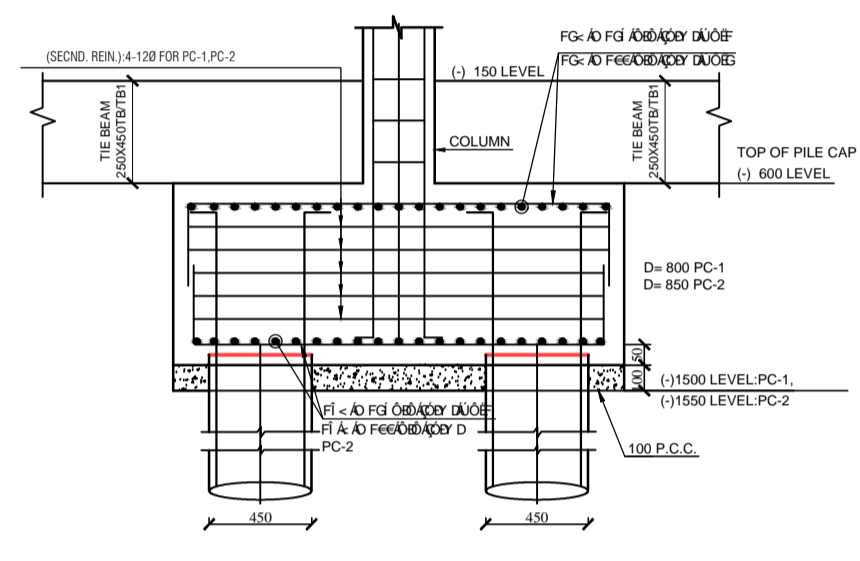
SLAB MKD.	THK. IN. m.m.	* SCHEDULE OF SLAB * REINFORCEMENT					
		ALONG SHORTER AXIS			ALONG LONGER AXIS		
		SUPPORT	SPAN	SUPPORT	SPAN	SUPPORT	SPAN
S1	115	8 m.m. dia @ 150 m.m. c/c upto 1/2	8 m.m. dia @ 150 m.m. c/c	8 m.m. dia @ 150 m.m. c/c	8 m.m. dia @ 175 m.m. c/c upto 1/2	8 m.m. dia @ 175 m.m. c/c	8 m.m. dia @ 175 m.m. c/c
S2	130	-DO-	-DO-	-DO-	-DO-	-DO-	-DO-
S3	130	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	8 m.m. dia @ 150 m.m. c/c	-



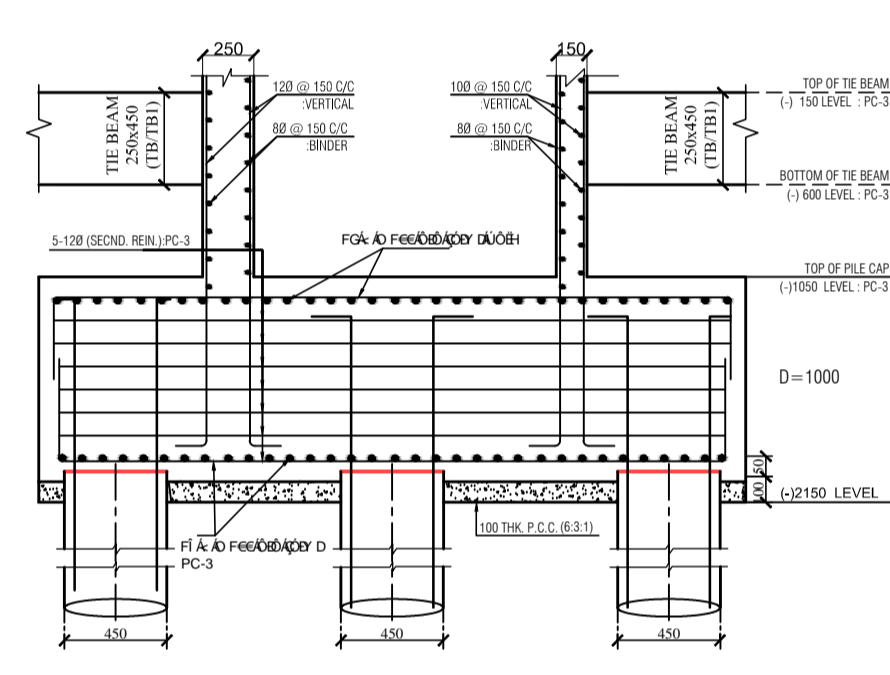
TYPICAL CURTAILMENT DETAIL OF FLOOR BEAM REINFORCEMENT
(UNLESS DIMENSION ARE PARTICULARLY MARKED OTHERWISE)



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



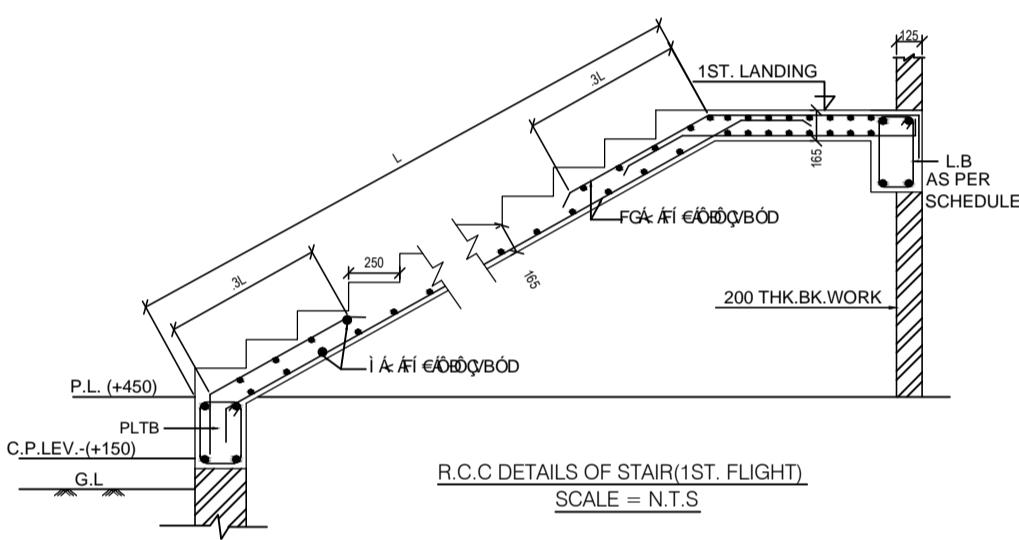
SECTIONAL ELEVATION OF PC 1, PC2
SCALE = 1:50



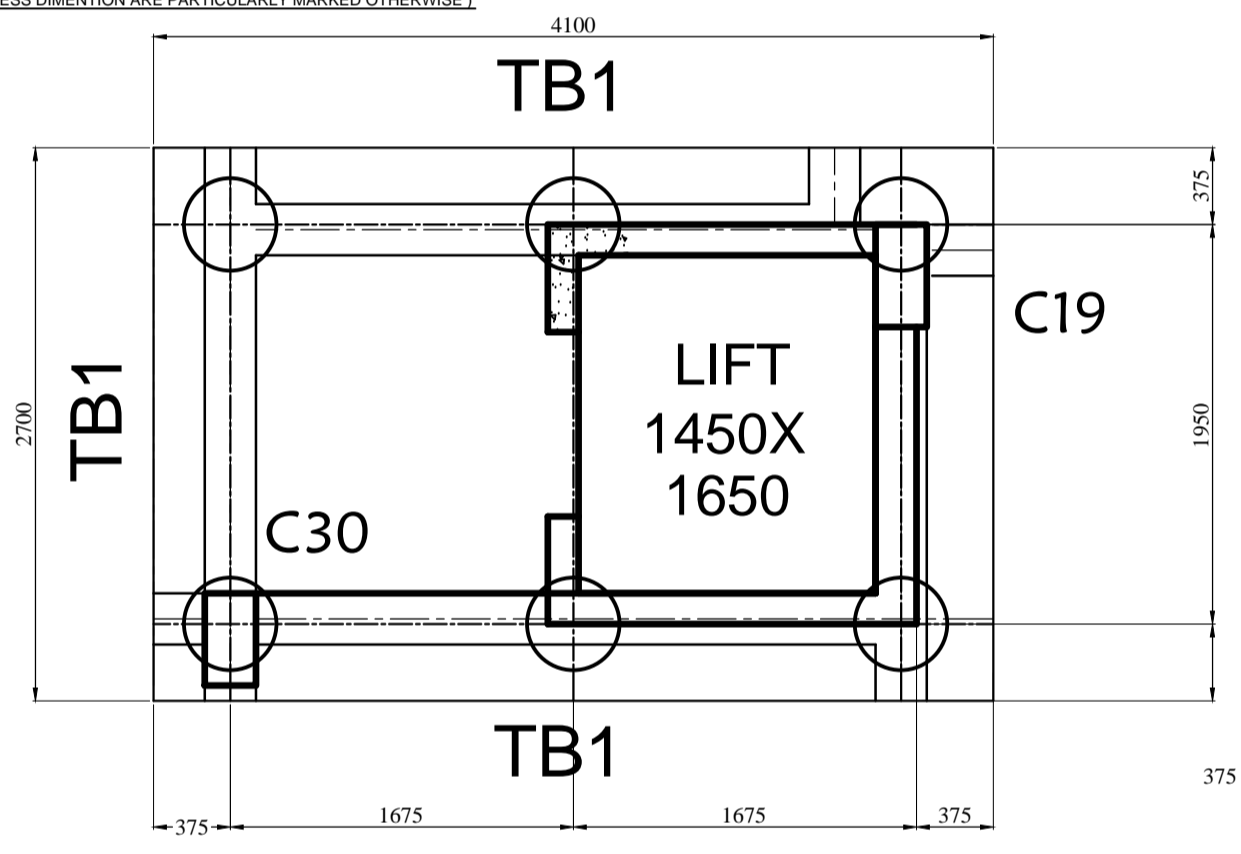
SECTIONAL ELEVATION OF PC-3
SCALE = 1:25

*** SCHEDULE OF STAIR CASE ***
 THICKNESS OF WAIST SLAB = 165 mm.
 THICKNESS OF LANDING SLAB = 165 mm.
 R.C.C DETAILS OF STAIR (1ST FLIGHT)
 SCALE = N.T.S.

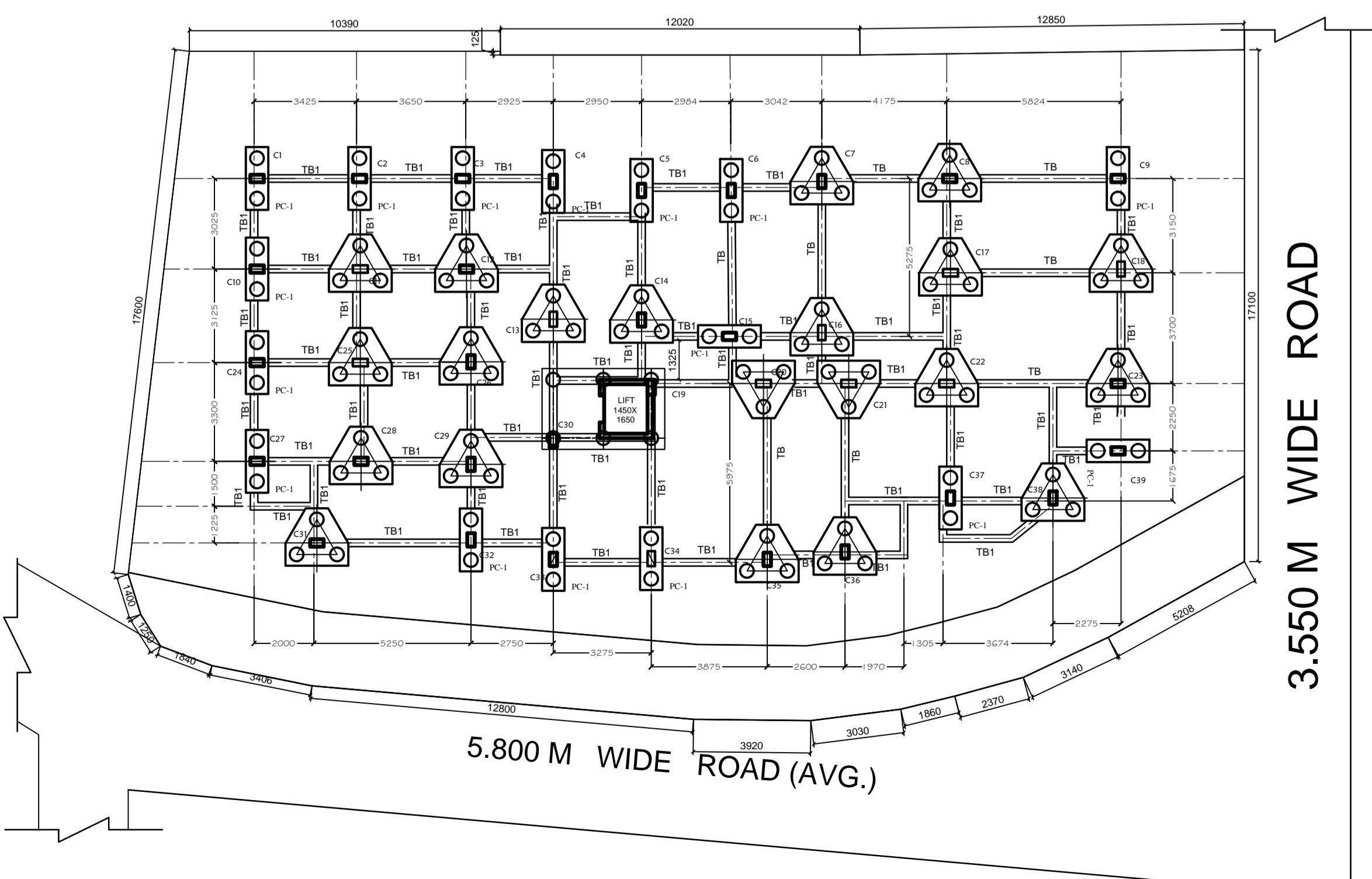
COLUMN MKD.	REINFORCEMENT
1,2,3,6,9,10,15,19,24,27,32,35,37,38,39	I B1 A I A A3 150 C/C
4,5,7,8,12,14,23,26,28,24,30,31,35,36	4-20 + I B1 C I A A3 150 C/C (2 sets)
11,13,16,17,18,20,21,22,34	I B1 A I A A3 150 C/C (2 sets)



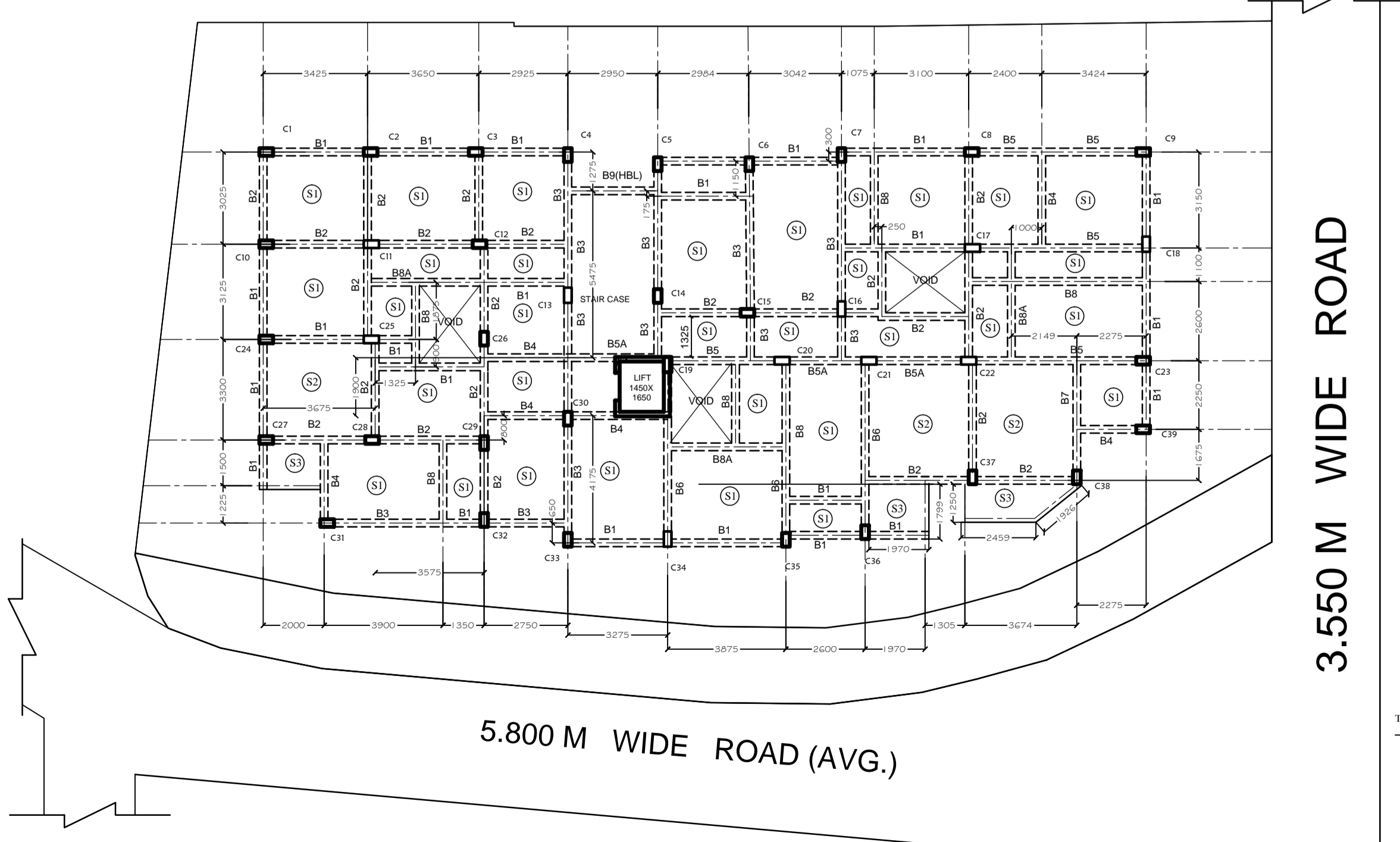
R.C.C DETAILS OF STAIR (1ST FLIGHT)
SCALE = N.T.S.



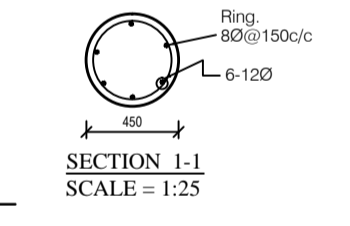
DETAILS OF PC-3
LIFT +19.30
SCALE = 1:25



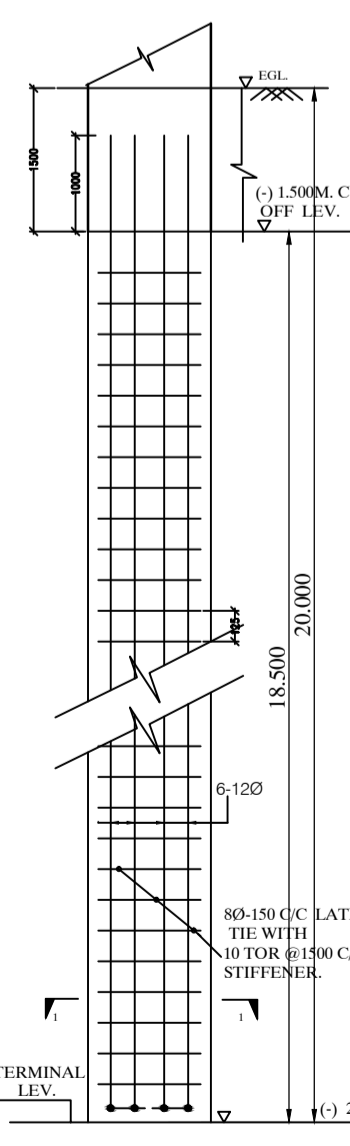
STRUCTURAL LAY-OUT OF PILE FOUNDATION
SCALE = 1:100



STRUCTURAL LAY-OUT OF TYPICAL ROOFS
SCALE = 1:100



SECTION I-I
SCALE = 1:25



LONGITUDINAL SECTION OF 450 DIA PILE
SCALE = 1:25

NOTES

- ALL DIMENSIONS ARE IN METERS.
- GRADE OF CONCRETE IS M20.
- GRADE OF REINFORCEMENT IS FE 415.
- SOIL PROPERTIES HAVE BEEN OBTAINED FROM THE SOIL INVESTIGATION REPORT AS PREPARED BY G.M.S. ENGINEERING CONSULTANTS.
- THIS STRUCTURAL DRAWING IS VALID ONLY FOR THE GRID LAY OUT, AS SHOWN IN THE STRUCTURAL DRAWING.
- CLEAR COVER :-
FOUNDATION - 75 MM,
COLUMN - 40 MM,
BEAM - 25 MM,
SLAB - 15 MM,
- LAP LENGTH : 50 X DIAMETER OF HIGHER SECTOR OF REINFORCEMENT.
- BEAM REINFORCEMENT (EXTRA) :
AT SUPPORT : 0.3 L FROM SUPPORT
AT MID SPAN : 0.8 L
- ADEQUATE SHORING MEASURES MUST BE ARRANGED TO PROTECT ADJACENT STRUCTURES.

SIGN OF STRUCTURAL ENGINEER

STRUCTURAL DRAWING FOR THE PROPOSED (G+4) STORIED BUILDING TO BE CONSTRUCTED WITHIN MOUZA :- SALUA, J.L. NO :- 03, R.S. DAG NO :- 286, L.R. DAG NO :- 287, HOLDING NO : WARD NO :- 04, UNDER BIDHANNAGAR MUNICIPAL CORPORATION.

OWNER : RAJIYA BEGAM & 11 OTHERS.

SIGN OF OWNER

DRG. No - 24
DATE : 25/06/2023

REVISION No. :
DATE :
DRAWN: B.S.J.R.

SCALE = 1 : 100

