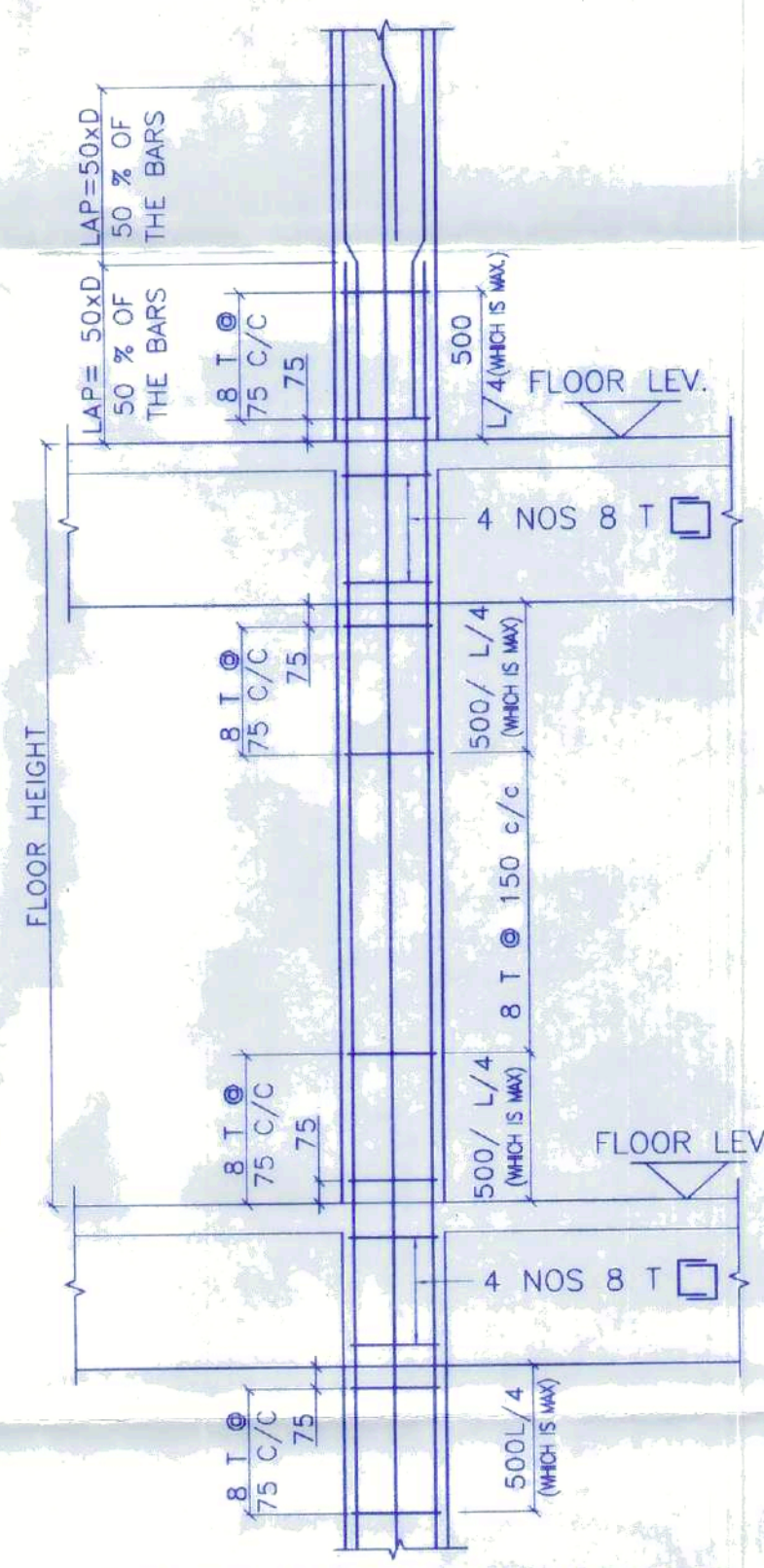


FOUNDATION & TIE BEAM LAYOUT PLAN.  
[TOWER-2]

PILE CAP MKD	OVERALL DEPTH (mm)	CAP REINFORCEMENT						BURSTING BAR
		LONGER BAR			SHORTER BAR			
		BOTTOM BAR	TOP BAR	STIRRUPS	BOTTOM BAR	TOP BAR	STIRRUPS	
4P	1300	23-20T	23-20T	---	23-20T	23-20T	---	7-12T
5P	1300	23-20T	23-20T	6L-12T@150C/C	33-20T	33-20T	---	9-12T
6P	1500	19-25T	19-25T	6L-12T@200C/C	29-25T	29-25T	---	9-12T
6PA	1500	15-25T	15-25T	6L-12T@200C/C	21-25T	21-25T	---	9-12T
8P	1500	23-25T	23-25T	8L-12T@150C/C	25-25T	25-25T	---	9-12T
9P	1500	29-25T	29-25T	8L-12T@150C/C	29-25T	29-25T	8L-12T@150C/C	9-12T
15P	1750	25-25T	25-25T	8L-12 T @ 150 C/C	49-25T	49-25T	---	10-12T

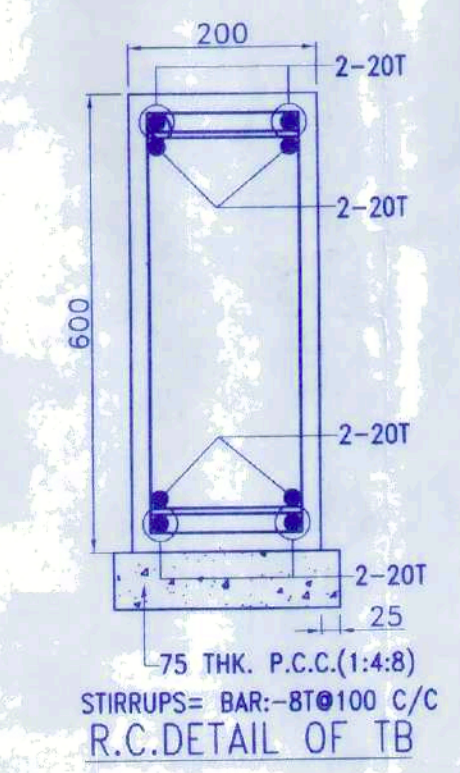
COLUMN MKD.	COL. SIZE	REINFORCEMENT				
		FDN. TO 1st FLOOR	1st. FLOOR TO 3rd. FLOOR LEV.	3rd. FLOOR TO 7th. FLOOR LEV.	7th. FLOOR TO 9th. FLOOR LEV.	9th. FLOOR TO Roof LEV.
C1,C4,C19,C37,C55,C58.	200X1550	3-16T+4-16T+3-16T 3-16T+4-16T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T
C2,C3,C5,C6,C15,C18,C24,C30,C41,C44,C53,C54,C56,C57.	200X1000	3-16T+4-16T+3-16T 3-16T+4-16T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T
C7,C10,C11,C14,C16,C17,C42,C43,C46,C47,C49,C52.	200X1550	3-20T+12-20T+3-20T 3-20T+12-20T+3-20T	3-20T+6-20T+6-16T+3-20T 3-20T+6-20T+6-16T+3-20T	3-20T+12-16T+3-20T 3-20T+12-16T+3-20T	3-16T+12-16T+3-16T 3-16T+12-16T+3-16T	3-16T+6-16T+6-12T+3-16T 3-16T+6-16T+6-12T+3-16T
C8,C9,C12,C13,C21,C22,C25,C26,C28,C29,C31,C32,C33,C34,C35,C38,C45,C48,C50,C51.	200X1500	3-20T+12-20T+3-20T 3-20T+12-20T+3-20T	3-20T+6-20T+6-16T+3-20T 3-20T+6-20T+6-16T+3-20T	3-20T+12-16T+3-20T 3-20T+12-16T+3-20T	3-16T+12-16T+3-16T 3-16T+12-16T+3-16T	3-16T+6-16T+6-12T+3-16T 3-16T+6-16T+6-12T+3-16T
C23,C27,C36,C39,C40,59,C60.	200X1000	3-20T+4-20T+3-20T 3-20T+4-20T+3-20T	3-20T+4-16T+3-20T 3-20T+4-16T+3-20T	2-20T+6-16T+2-20T 2-20T+6-16T+2-20T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T	3-16T+4-12T+3-16T 3-16T+4-12T+3-16T
C20	200X2000	3-20T+12-20T+3-20T 3-20T+12-20T+3-20T	3-20T+6-20T+6-16T+3-20T 3-20T+6-20T+6-16T+3-20T	3-20T+12-16T+3-20T 3-20T+12-16T+3-20T	3-16T+12-16T+3-16T 3-16T+12-16T+3-16T	3-16T+6-16T+6-12T+3-16T 3-16T+6-16T+6-12T+3-16T



TYP. BEAM COLUMN JUNCTION SHOWING LINK ARRANGEMENT



TYPICAL DETAIL OF COLUMN/WALL REINFORCEMENT ARRANGEMENT (LIKE COLUMN NO:-C23,C27)



R.C.DETAIL OF TB

PROJECT:  
**PROPOSED PARTLY B+G+12 STORED AFFORDABLE HOUSING UNDER PRADHAN MANTRI AWAS YOJANA AT PREMISES NO. - MOUZA - BHASA, J.L. NO. - 20, L.R. DAG NO. - 483 TO 485, 489 TO 495, 497 TO 499, 513 TO 517, 727. P.S.- BISHNUPUR, DIST - 24 PGS (SOUTH)**

BLOCK-1      TOWER-2

NOTES:  
1. ALL DIMENSIONS ARE IN MM. & LEVELS ARE IN M. U.N.O.  
2. GRADE OF REINFORCEMENT IS Fe500.  
3. GRADE OF CONCRETE IS  
a) PILE = M30  
b) I. PILE CAP, COLUMNS, BEAMS, SLABS UP TO 3rd FLOOR LEV. = M40  
ii. COLUMNS, BEAMS, SLABS FROM 3rd. FLOOR TO ROOF LEV. = M35.  
4. LAP/BONDS LENGTH SHALL BE 40 x D WHERE D IS THE DIA OF SMALLER BAR.  
5. CLEAR COVER TO REINFORCEMENT:-  
a) PILE/PILECAP= 50 mm  
b) COLUMN & TIE BEAM = 40 mm  
c) FLOOR BEAM = 25 mm FLOOR SLAB = 20 mm  
e) WAIST SLAB = 20 mm  
6. SPECIAL NOTES FOR PILES:-  
a) SLUMP FOR CONCRETE SHALL BE 150 TO 180.  
b) MAXIMUM W/C RATIO IS 0.5  
c) MINIMUM CEMENT CONTENT IS 400KG/CUM OF CONCRETE.  
d) CUTTING SHALL BE DONE BY CHISEL AND BAILER,  
e) EXTRUSION SHALL BE DONE BY D.M.C. METHOD.  
f) ROLLER TYPE COVER BLOCK IS TO BE USED.  
g) SPECIFIC GRAVITY OF BENTONITE SLURRY AFTER WASH SHALL BE 1.1 TO 1.12.  
h) PILE TO BE TESTED IN ACCORDANCE WITH IS 2911 PART-4.

Woodland Complex Private Limited      Development Corporation Private Limited

Director      Director

(SIGNATURE OF OWNER)

CERTIFICATE  
WE DO HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREMISES NO. - MOUZA - BHASA, J.L. NO. - 20, L.R. DAG NO. - 483 TO 485, 489 TO 495, 497 TO 499, 513 TO 517, 727. P.S.- BISHNUPUR, DIST - 24 PGS ( SOUTH) HAVE BEEN SO DESIGNED BY ME / US WILL MAKE SUCH FOUNDATION AND SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL ETC.

MALAY KUMAR GHOSH  
Regn. No. CA/92/14854  
35A, Dr. Sarat Banerjee Road  
Kolkata - 700 029

MALAY KUMAR GHOSH  
REGN. NO. CA/92/14854  
35A, DR. SARAT BANERJEE ROAD. KOLKATA-700029  
SIGNATURE OF ARCHITECT & SEAL

Koushik Sengupta  
B.E. (CIVIL), M.E. (STRUCTURE)  
E. S. E. - 1/76 (K. M. C.)

KOUSHIK SENGUPTA  
B.E. (CIVIL), M.E. (STRUCTURE)  
ESE - 1/76 (K. M. C.)  
SIGNATURE OF STRUCTURAL ENGINEER & SEAL

Alok Roy  
Empanelled Geotechnical Engineer  
Kolkata Municipal Corporation  
Class-I, No-G.T/1/1  
6A, Milan Park  
Kolkata-700 084

ALOK ROY  
GTE - 1/11  
6A MILAN PARK, GARIA, KOLKATA-700084.  
SIGNATURE OF GEO-TECHNICAL ENGINEER & SEAL

VETTED BY

Checked & Vetted:  
Dr. Partha Ghosh  
B.E., M.E. (Structural Engg.), Ph.D(Engg.)  
Associate Professor  
Construction Engg. Department  
Jadavpur University, Kolkata-700098

ARCHITECT  
ESPACE  
35A, DR.SARAT BANERJEE ROAD,KOLKATA-700029  
FAX-PHONE- 033-465-4130, 033-465-4159, e-mail- espace @ vsnl.com

STRUCTURAL CONSULTANT  
KSG PROJECTS AND INFRASTRUCTURE CONSULTANTS  
P-543,RAJA BASANTA ROY ROAD, KOLKATA-700-029

SCALE:- 1:100,1:50,1:25,1:10      DATE:-07.02.2019.

DRAWING NO.-KPIC/ESPACE./EDEN JOKA /TOWER-2/CORP./2 OF 3