

STRUCTURAL DRAWING FOR PROPOSED (G + IV) STORED RESIDENTIAL BUILDING OF SMT. SANDHYA RANI GHOSH & OTHERS AT DAG NO.-R.S-858,L.R.-1007; KHATUA-JAGADAL; L.R.-2091; J.L. NO.-71; MOUZA-JAGADAL; HOLDING NO.-320, B.C. ROY ROAD, WARD NO.-26, P.S.-SONARPUR, DIST.-24 PARGANAS (S), UNDER RAJAPUR - SONARPUR MUNICIPALITY;

DECLARATION OF STRUCTURAL ENGINEER
THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF INDIA, 1987.
CONSIDERING ALL POSSIBLE LOADS, INCLUDING THE SEISMIC LOADS, THE STRUCTURE IS SAFE & STABLE IN ALL RESPECTS.
THIS CERTIFICATE IS VALID FOR ALL RESPECTS.

KALLOO GHOSH & CO.
E.S.E. NO. 13/10/2019
Rajpur Sonarpur Municipality
WEST BENGAL
SIGN OF E.S.E.

DECLARATION OF E.S./E.B.A.
IT IS CERTIFIED THAT THE BUILDING PLAN HAS BEEN
DRAWN UP AS PER PROVISION OF N.B.M. BUILDING RULES
2000 AS AMENDED FROM TIME TO TIME & THAT THE SITE
CONFORMS WITH THE PLAN & THAT IT IS A BUILDABLE SITE &
AS INFORMED BY THE OWNER THAT A TANK OR FILLED UP
TANK.

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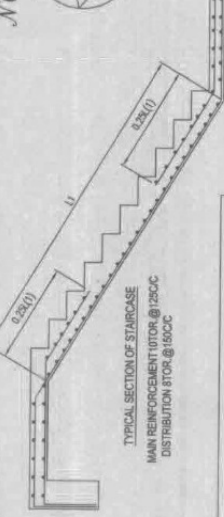
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SCHEDULE OF R.C.C. THE BEAM									
BEAM	SIZE (mm)	SUPPORT	MID SPAN	TOP	BOTT	TOP	BOTT	STIRRUP	
TR0	250X400	10-120	2-120	10-120	2-120	2-120	2-120	8 @ 200MM C/C	
TR1	250X350	5-120	2-120	2-120	2-120	2-120	2-120	8 @ 200MM C/C	
TR2	250X350	4-120	2-120	2-120	2-120	2-120	2-120	8 @ 200MM C/C	
TR3	250X350	4-120	2-120	2-120	2-120	2-120	2-120	8 @ 200MM C/C	
TR4	250X350	3-120	2-120	2-120	2-120	2-120	2-120	8 @ 200MM C/C	
TR5	250X350	5-120	2-120	2-120	2-120	2-120	2-120	8 @ 200MM C/C	

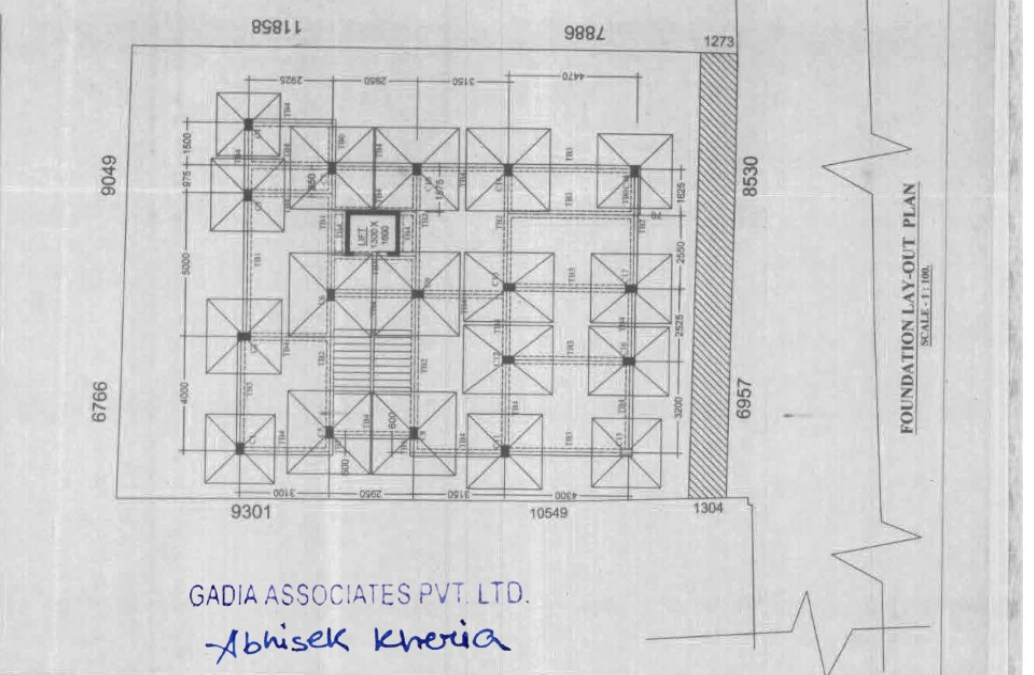


- NOTES & SPECIFICATION :-**
1. ALL DIMENSION AREA IN MM UNLESS OTHERWISE STATED
 2. DEPTH OF SEPTIC TANK WILL NOT EXCEED THE DEPTH OF FOUNDATION OF THE BUILDING.
 3. REINFORCEMENT CEMENT CONC. WORK WITH CEMENT SAND STONE CHIPS (1:2:4)
 4. GRADE OF CONCRETE = M-20 AND GRADE OF STEEL = Fe 500.

SCHEDULE OF R.C.C. COLUMN									
COLUMN MKD.	SIZE (mm)	DEPTH (mm)	REINFORCEMENT	STIRRUPS					
C5 TO C10	250X400	10-160	8-160	8-160	4-120	8-160	8-160	8-160	8-160
C11, C13, C14	250X400	10-160	8-160	8-160	4-120	8-160	8-160	8-160	8-160
C3, C11, C18	250X400	10-160	8-160	8-160	4-120	8-160	8-160	8-160	8-160
C1, C4, C15	250X400	10-160	8-160	8-160	4-120	8-160	8-160	8-160	8-160
C2	250X400	10-160	8-160	8-160	4-120	8-160	8-160	8-160	8-160

SCHEDULE OF R.C.C. SLAB									
PANEL MKD.	DEPTH (mm) THK (MM)	REINFORCEMENT					STIRRUP		
		SUPPORT		MID SPAN					
ALL PANELS	100	TOP	BOTT	TOP	BOTT	TOP	BOTT	8 @ 150 TO 200MM C/C	
		152 MM C/C	275MM C/C						
SCHEDULE OF R.C.C. FLOOR BEAM									
BEAM	SIZE (mm/mm)	SUPPORT		MID SPAN		STIRRUP			
		TOP	BOTT	TOP	BOTT	TOP	BOTT		
B0	250X300-400	4-160	2-160	2-160	2-160	2-160	2-160	8 @ 150 TO 100 C/C	
B1	250X400	4-160	2-160	2-160	2-160	4-160	4-160		
B2	250X350	4-160	2-160	2-160	2-160	4-160	4-160		
B3	250X300	4-160	2-160	2-160	2-160	4-160	4-160		
B4	250X350	3-160	2-160	2-160	3-160	3-160	3-160		
B5	250X300	3-160	2-160	2-160	3-160	3-160	3-160		
B6	250X350	2-160	2-160	2-160	2-160	2-160	2-160		
B7	250X350	4-160	2-160	4-160	2-160	4-160	2-160		

SCHEDULE OF FOUNDATION									
COLUMN MKD.	SIZE (mm)	DEPTH (mm)	REINFORCEMENT	STIRRUPS					
C5 TO C10, C14	250X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW
C12, C13	310X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW
C16, C17	250X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW
C3, C11, C18	250X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW
C2	250X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW
C1, C4	250X400 X 400	1200	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW	12 MM @ 100 MM C/C BW



SCHEDULE OF FLOOR BEAM									
BEAM	SIZE (mm)	SUPPORT	MID SPAN	TOP	BOTT	STIRRUP			
B0	250X300	4-160	2-160	2-160	2-160	8 @ 50 TO 100 C/C			
B1	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B2	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B3	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B4	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B5	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B6	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			
B7	250X350	4-160	2-160	2-160	2-160	8 @ 100 TO 200MM C/C			

GADIA ASSOCIATES PVT. LTD.
Abhisek Kharia
Authorised Signatory