

**SCHEDULE OF R.C.C COLUMN**

COL MKD.	COLUMN SIZE (mm)	VERTICAL REINF.	LINKS
C1	250 X 300	4-16 $\Phi$ + 4-12 $\Phi$	8 $\Phi$ @ 200 C/C
C2	250 X 400	8-16 $\Phi$	8 $\Phi$ @ 200 C/C
C3	250 X 450	10-16 $\Phi$	8 $\Phi$ @ 200 C/C

**SCHEDULE OF R.C.C COL. FOUNDATION**

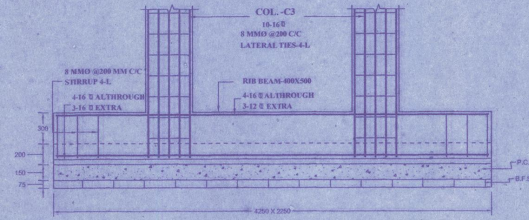
FOUN. MKD.	FOOTING SIZE (mm)				REINFORCEMENT
	L	B	h	H	
F1	1500	1500	150	300	12 $\Phi$ @ 150 C/C BOTHWAYS
F2	1800	1800	175	350	12 $\Phi$ @ 150 C/C BOTHWAYS
F3	2100	2100	175	350	12 $\Phi$ @ 150 C/C BOTHWAYS
F4	4250	2250	LONGER SPAN 12 $\Phi$ @ 150 C/C SHORTER SPAN 12 $\Phi$ @ 150 C/C		
F5	5000	2500	LONGER SPAN 12 $\Phi$ @ 150 C/C SHORTER SPAN 12 $\Phi$ @ 150 C/C		

**SCHEDULE OF R.C.C SLAB**

SLAB MKD.	THICKNESS (mm)	REINFORCEMENT
S1	100	SHORTER SPAN 8 $\Phi$ @ 150 C/C LONGER SPAN 8 $\Phi$ @ 180 C/C
STAIRCASE	125	MAIN BAR 10 $\Phi$ @ 150 C/C BINDER 8 $\Phi$ @ 150 C/C

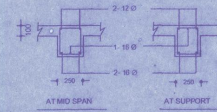
**SCHEDULE OF R.C.C BEAM**

BEAM MKD.	BEAM SIZE	REINFORCEMENT		STIRRUPS
		AT SPAN	AT SUPPORT	
B1	250 X 300	TOP 2-12 $\Phi$ BOTTOM 2-16 $\Phi$ + 1-16 $\Phi$	TOP 2-12 $\Phi$ + 1-16 $\Phi$ BOTTOM 2-16 $\Phi$	8 $\Phi$ 2L @ 200 C/C
B2	250 X 350	TOP 2-16 $\Phi$ BOTTOM 2-18 $\Phi$ + 2-16 $\Phi$	TOP 2-16 $\Phi$ + 2-16 $\Phi$ BOTTOM 2-16 $\Phi$	8 $\Phi$ 2L @ 180 C/C
B3	250 X 300	TOP 2-16 $\Phi$ BOTTOM 2-18 $\Phi$ + 2-12 $\Phi$	TOP 2-16 $\Phi$ + 2-12 $\Phi$ BOTTOM 2-16 $\Phi$	8 $\Phi$ 2L @ 175 C/C
B4	250 X 400	TOP 2-16 $\Phi$ BOTTOM 2-18 $\Phi$ + 2-16 $\Phi$	TOP 2-16 $\Phi$ + 2-16 $\Phi$ BOTTOM 2-16 $\Phi$	8 $\Phi$ 2L @ 175 C/C
B5	250 X 400	TOP 2-16 $\Phi$ BOTTOM 3-18 $\Phi$ + 2-16 $\Phi$	TOP 3-16 $\Phi$ + 2-16 $\Phi$ BOTTOM 2-16 $\Phi$	8 $\Phi$ 2L @ 200 C/C
TIE BEAM TB	250 X 350	TOP 2-16 $\Phi$ + 1-12 $\Phi$	BOTTOM 2-16 $\Phi$ + 1-12 $\Phi$	ALTHROUGH 8 $\Phi$ 2L @ 200 C/C



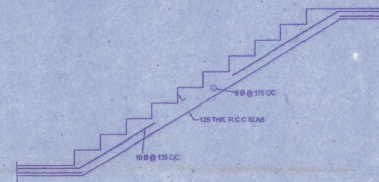
**DETS. OF COMBINED FOOTING (F4)**

SCALE :- 1:25



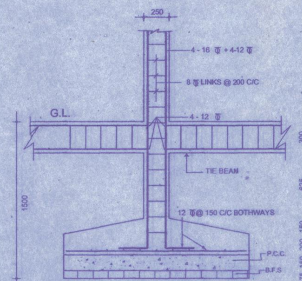
**R.C.C BEAM (B1)**

SCALE :- 1:25

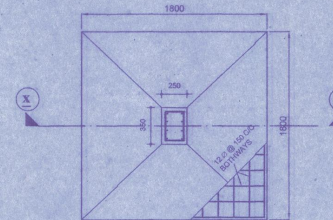


**DETS. OF STAIR**

SCALE :- 1:25

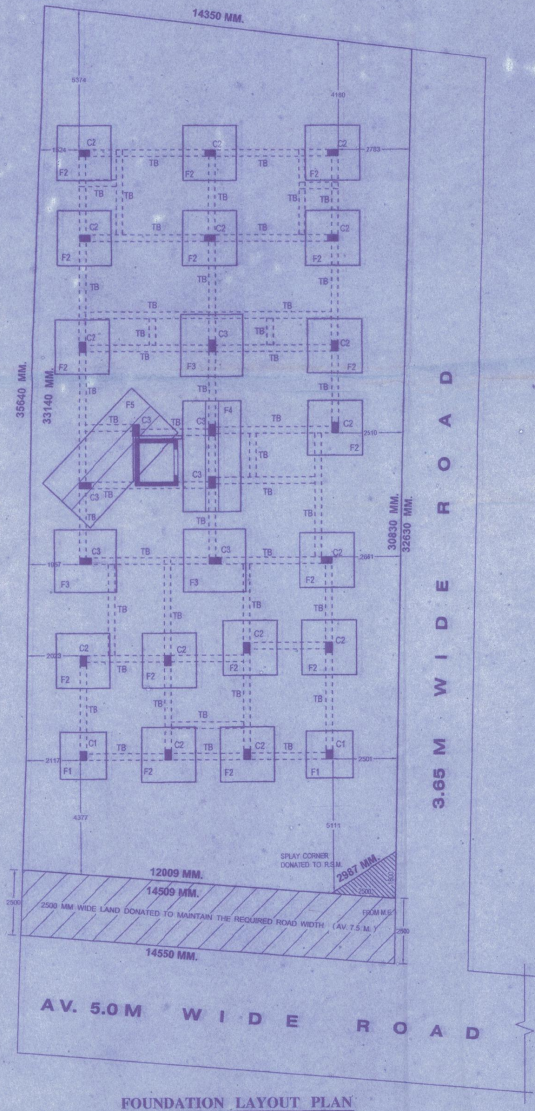


**SECTION AT XX'**

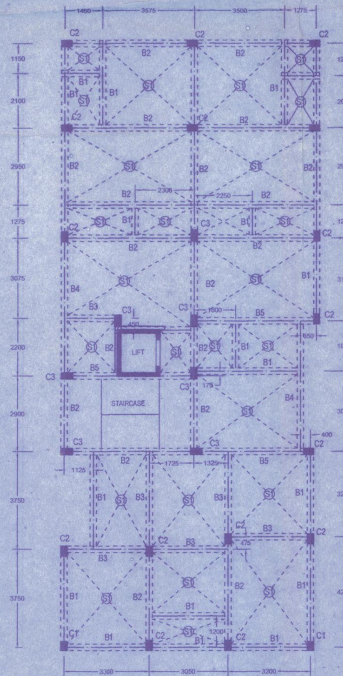


**PLAN R.C.C COL. (C1)**

NORTH



**FOUNDATION LAYOUT PLAN**



**SLAB & BEAM LAYOUT PLAN**

**STRUCTURAL LAYOUT PLAN OF A G+IV STORIED RESIDENTIAL BUILDING AT DAG NO.-: 21 & 24 L.R. KH. NO.-: 827 R.S. KH. NO.-: 52/5, 671 J.L. NO.-: 53 MOUZA:- RAJPUR, P.S.-: SONARPUR, HOLDING NO.-: 35, RAMCHAND DEY STREET, WARD NO.-: 26, UNDER RAJPUR - SONARPUR MUNICIPALITY, DIST.-: 24 PGS (S) FOR SRI KAMAL CHANDRA KARMAKAR & SMT. UMA KARMAKAR**

**NOTES & SPECIFICATIONS**

- ALL DIMENSIONS ARE IN MM
- WRITTEN DIMENSIONS TO BE FOLLOD
- OUTER WALLS ARE 200 MM THK
- PARTITION WALLS ARE 125 X 75 MM THK
- GRADE OF CONCRETE = M 20
- GRADE OF STEEL = Fe 500

**SCALE :- 1:100**

( OTHERWISE MENTIONED )

**STRUCTURAL SHEET**

CERTIFIED WITH FULL RESPONSIBILITY THAT DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER I.B.C. OF INDIA AND CERTIFIED IT IS SAFE AND STABLE IN ALL RESPECT.

*Sashi Bhushan Basu*  
**SASHI BHUSHAN BASU**  
 Empowered Structural Engineer  
 of Raipur-Sonarpur Municipality  
 Empowered No. 149/P.O. No. 56-42716-17  
**SIGNATURE OF E.S.E.**

*S. Chakrabarti*  
**SANKAR CHAKRABARTI**  
 M. Tech (GEO). MESS  
 Consultant, Geotechnical Engg.  
 Establishment No. 604/G.T.E. RAJPURSON

**SIGNATURE OF G.T.E.**

*Kamal Chandra Karmaakar*  
*Kamal Chandra Karmaakar*  
 Self Constituted Attorney  
 of  
**UMA KARMAKAR**

**SIGNATURE OF OWNER**

PREPARED BY :- SMT. SEMANA MANDAL  
 :- 9830160873



Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 75/03/26/155 Dated On 12/07/2019 for record of the Raipur-Sonarpur Municipality without Verification this deviation from the submitting structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private property and safety of human life during Construction.

*W. S. Pawar*  
**W. S. PAWAR**  
 Sig. of Assistant Engineer.  
 RAJPUR-SONARPUR MUNICIPALITY