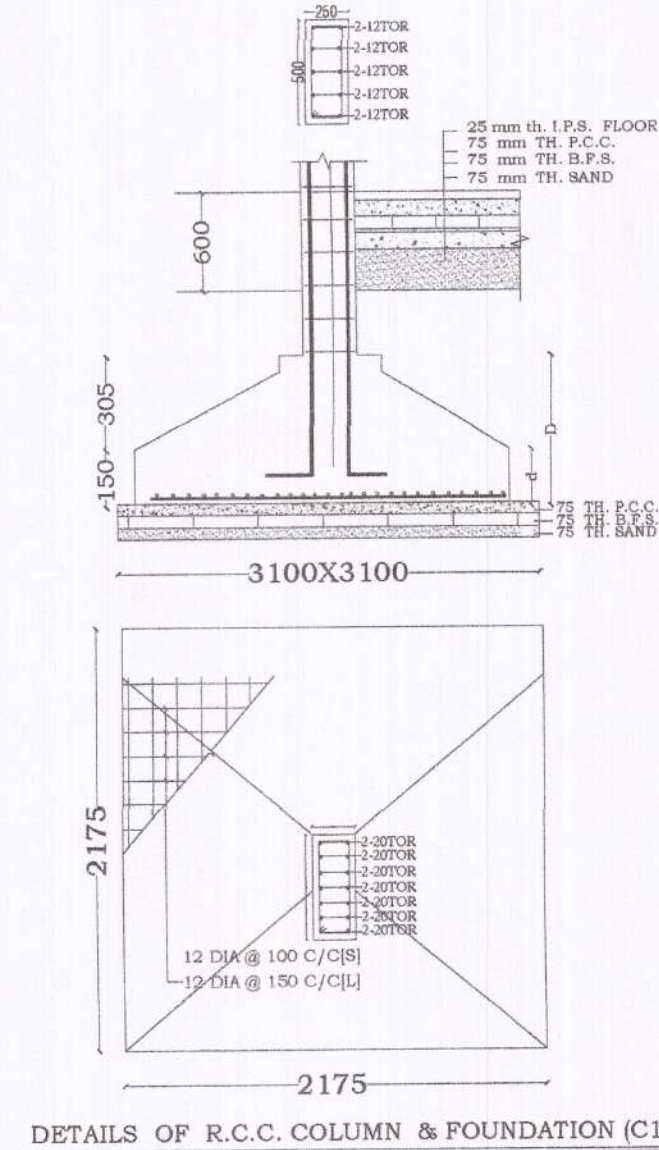
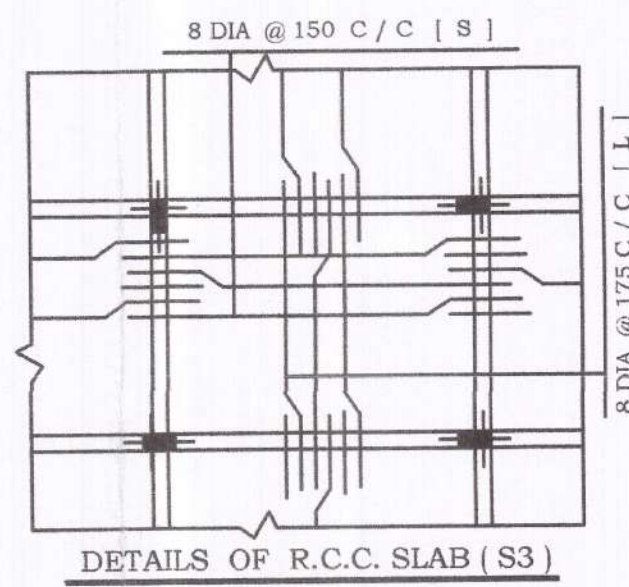


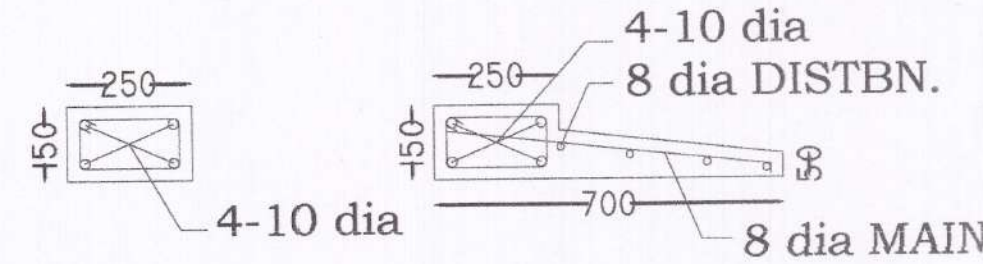
THE STRUCTURE PLAN SHOWING THE PROPOSED G+4 RESIDENTIAL BUILDING OF 1). SMT. PURNIMA MUKHERJEE W/O. SRI. BHUTNATH MUKHERJEE 2). ANUPAM BANERJEE 3). JAYANTA BANERJEE & 4). TAPAS BANERJEE ALL ARE S/O. LT. SUNIL KR. BANERJEE AT RADHANAGAR ROAD, NEAR BOM BHOLA KALI MANDIR, ASANSOL - 713304 R.S. PLOT NO.- 2177, L.R. PLOT NO. - 2075, R.S.KHANDA KH. NO.- 2225, L.R.KH. NO.- 6140, 6991, 6993, 6994, MOUZA - SANTA, J.L. -120, WARD NO- 52, BOROUGH -V, P.S.- HIRAPUR, DIST - PASCHIM BARDHAMAN UNDER ASANSOL MUNICIPAL CORPORATION.



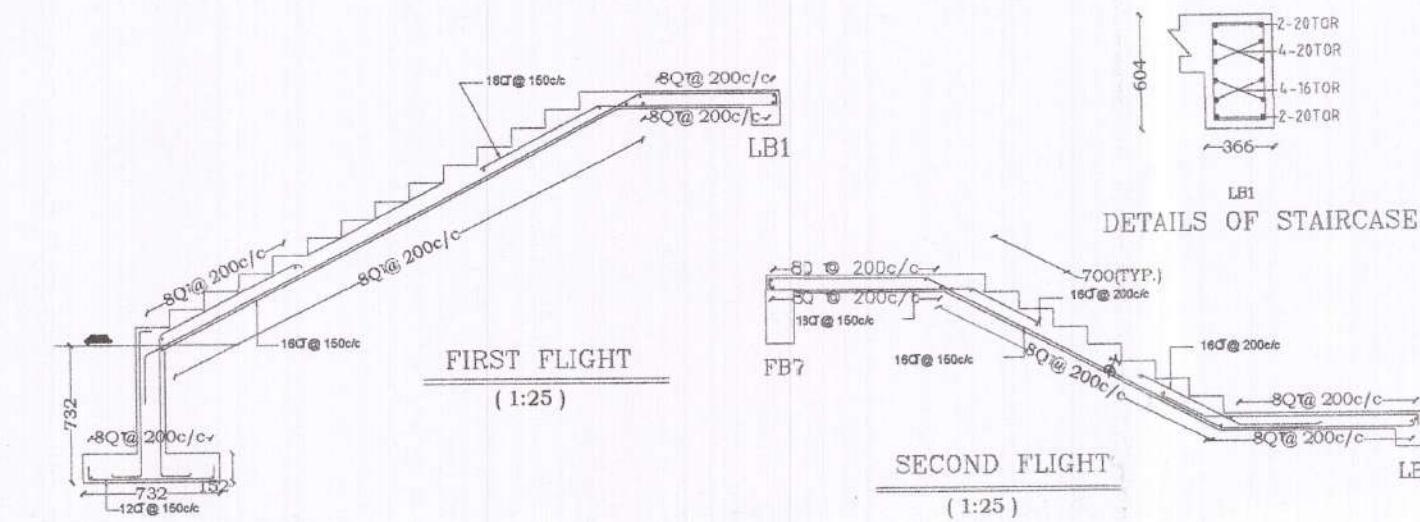
DETAILS OF R.C.C. COLUMN & FOUNDATION (C1)



DETAILS OF R.C.C. SLAB (S3)



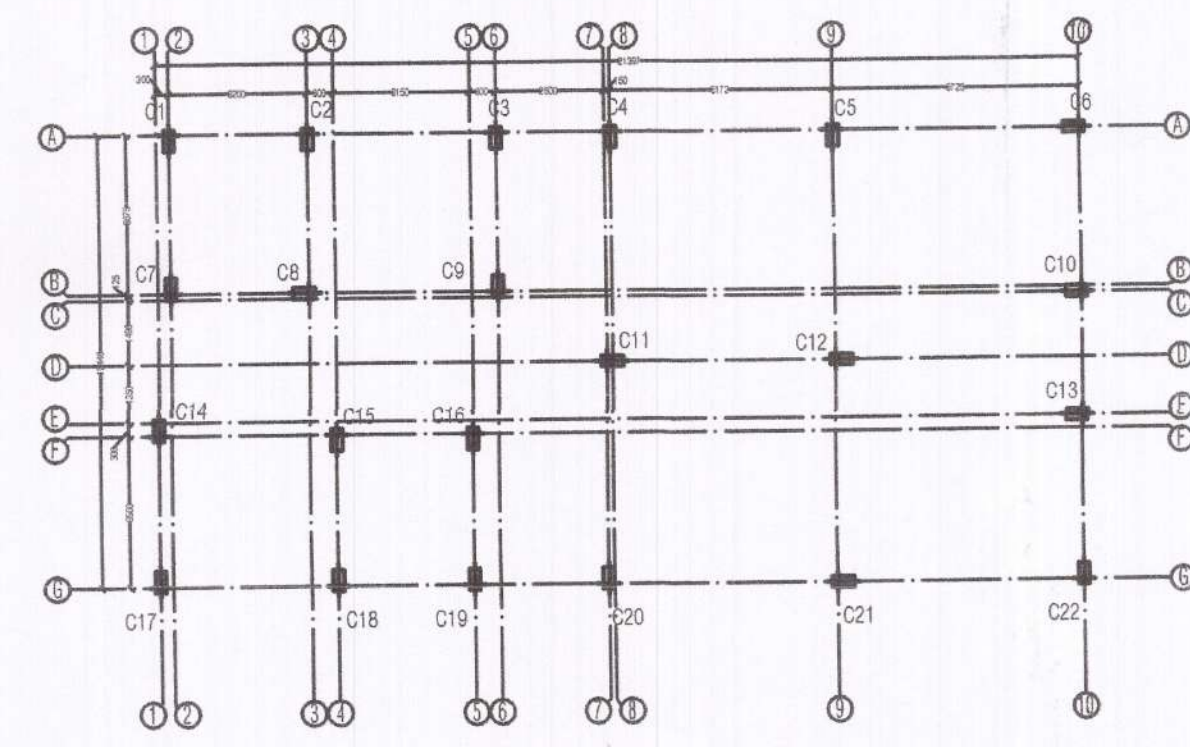
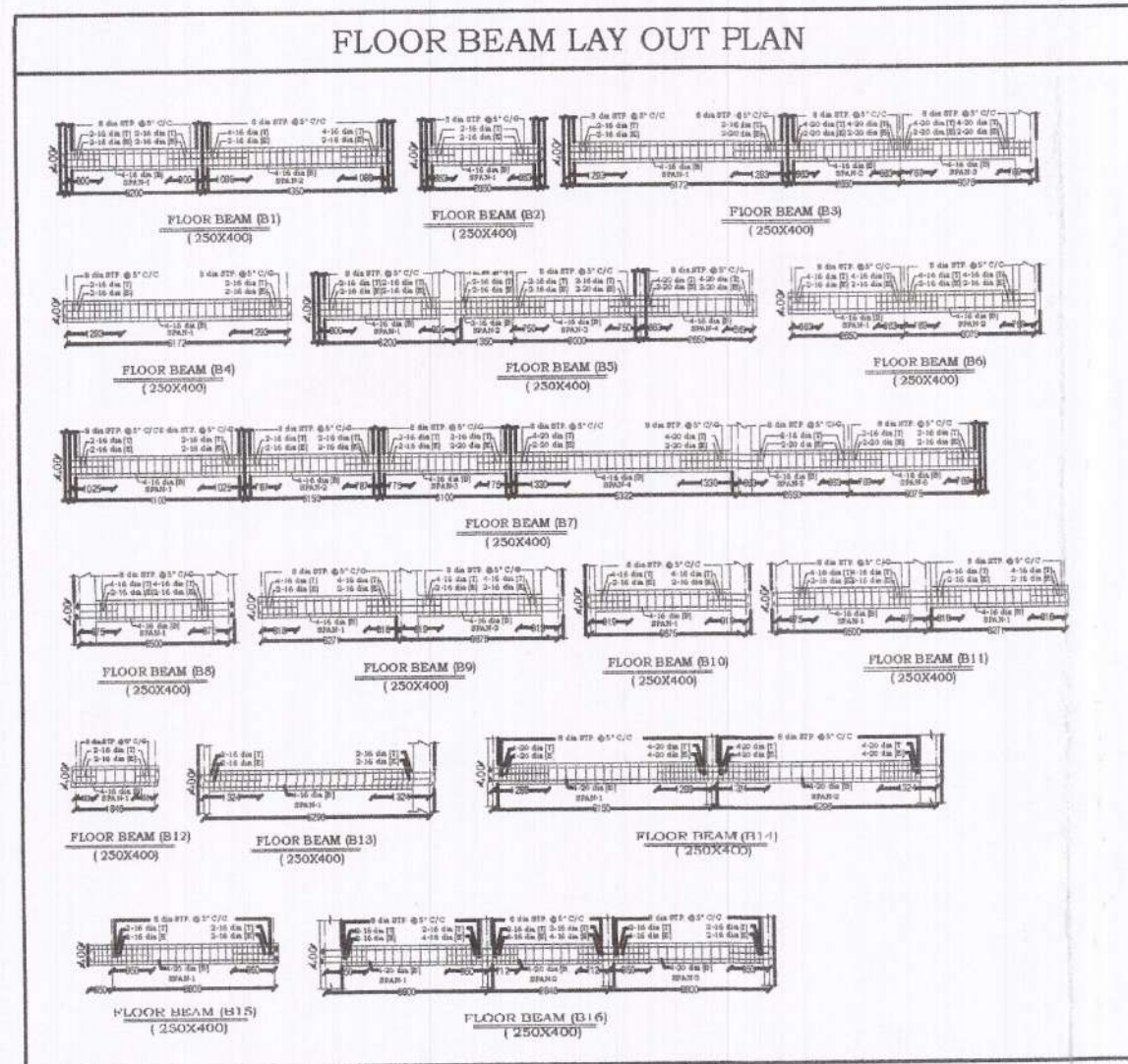
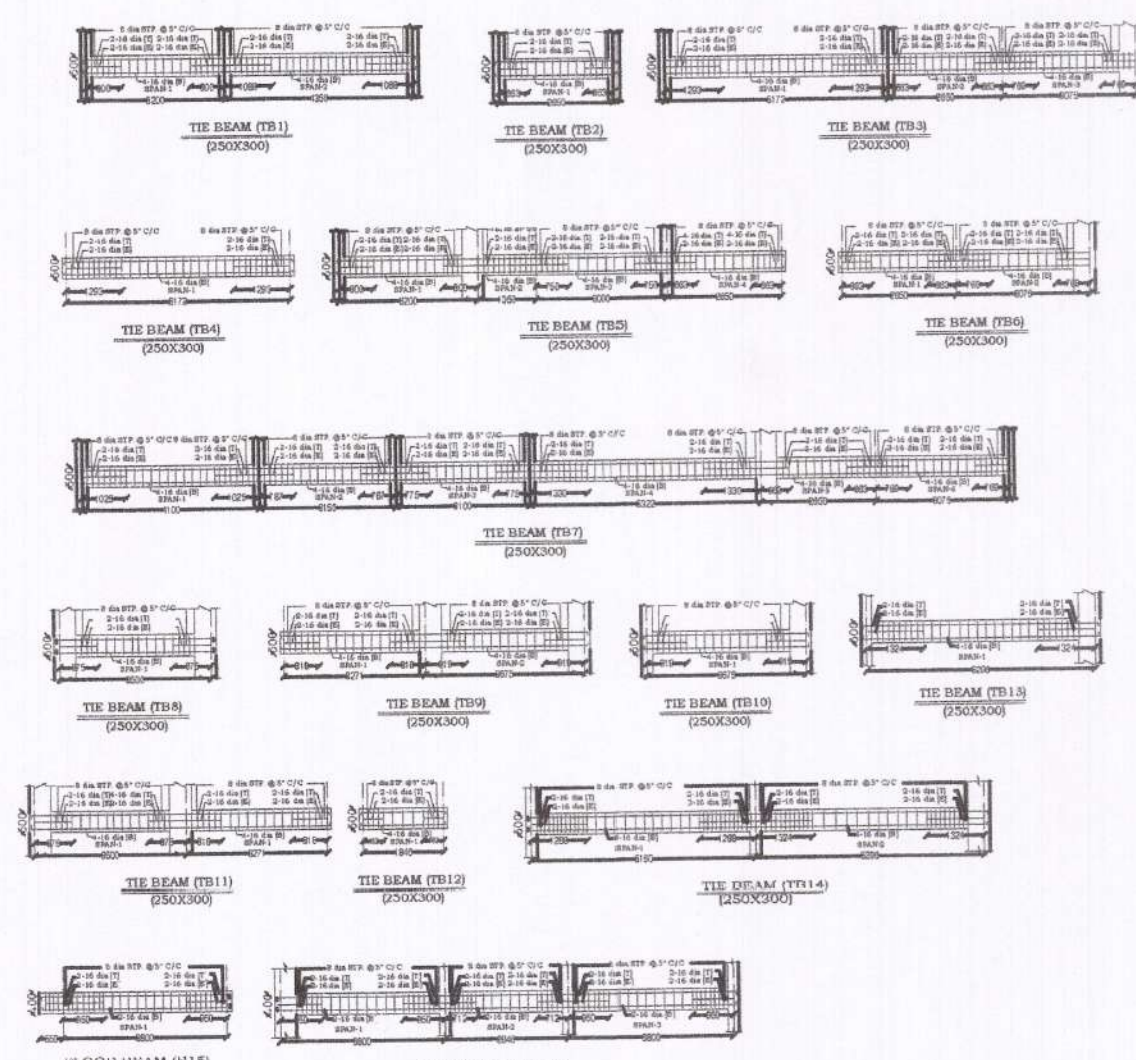
DETAILS OF R.C.C. LINTEL & CHAJJA



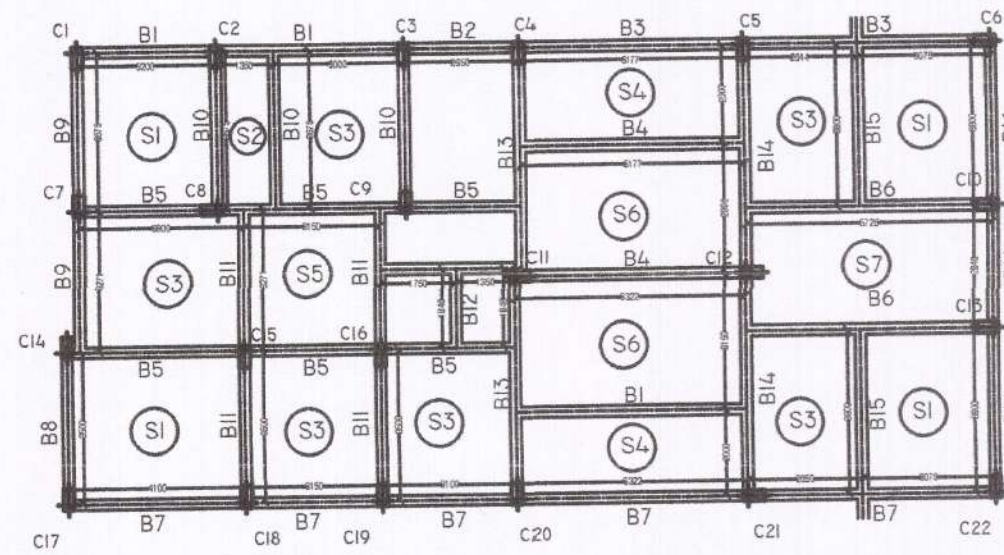
DETAILS OF STAIRCASE

SLAB MARKED	THICKNESS	REINFORCEMENT DETAILS	REMARKS
S 1	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 2	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 3	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 4	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 5	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 6	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE
S 7	115	8 DIA @ 152 C/C [S] 8 DIA @ 178 C/C [E] 8 DIA @ 305 C/C [L]	ALTERNATE CRANK AT CONTINUOUS EDGE

TIE BEAM LAY OUT PLAN



COLUMN LAYOUT PLAN
SCALE -1:100



BEAM & SLAB LAYOUT PLAN
SCALE -1:100

FNO. FOUNDATION	COL. MKED.	D	d	R.F.B.A.R. DETAILING	REINFORCEMENT DETAILS					
					G.F. TO F.F.	F.F. TO S.F.	S.F. TO T.F.	T.F. TO F.F.	F.F. TO F.F.	
F1	2175X2175	C1	300	150	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 10-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F2	2175X2175	C2	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F3	2250X2250	C3	400	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-16 TOR	250X400 4-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F4	2400X2400	C4	450	300	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 12-20 TOR	250X500 12-20 TOR	250X500 12-16 TOR	250X500 12-16 TOR	250X500 10-16 TOR
F5	2700X2700	C5	550	350	12 DIA @ 150 C/C [S] 12 DIA @ 150 C/C [E]	250X600 14-20 TOR	250X500 12-20 TOR	250X500 12-20 TOR	250X500 12-16 TOR	250X500 12-16 TOR
F6	2175X2175	C5	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 10-16 TOR	250X500 10-16 TOR	250X500 10-16 TOR	250X400 8-16 TOR	250X400 8-16 TOR
F7	2175X2175	C7	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 4-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F8	2250X2250	C8	400	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F9	2400X2400	C9	450	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 10-16 TOR	250X500 10-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F10	3325X3325	C10	400	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 10-16 TOR	250X500 10-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR
F11	2850X2850	C11	500	150	12 DIA @ 150 C/C [S] 12 DIA @ 150 C/C [E]	300X600 12-20 TOR	250X600 12-20 TOR	250X500 10-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F12	3075X3075	C12	550	400	12 DIA @ 125 C/C [S] 12 DIA @ 125 C/C [E]	300X600 12-20 TOR	250X600 12-20 TOR	250X500 10-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F13	3325X3325	C13	400	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 12-16 TOR	250X500 12-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR
F14	2175X2175	C14	350	150	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F15	2250X2250	C15	400	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 4-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F16	2325X2325	C16	400	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-16 TOR	250X400 4-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F17	2175X2175	C17	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F18	2175X2175	C18	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 4-16 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F19	2175X2175	C19	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR
F20	2325X2325	C20	450	250	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X600 14-16 TOR	250X500 12-16 TOR	250X500 12-16 TOR	250X500 12-16 TOR	250X500 12-16 TOR
F21	2700X2700	C21	550	150	12 DIA @ 150 C/C [S] 12 DIA @ 150 C/C [E]	250X600 14-20 TOR	250X500 12-20 TOR	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR
F22	2175X2175	C22	350	200	12 DIA @ 150 C/C [S] 12 DIA @ 175 C/C [E]	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR	250X500 8-16 TOR

REMARKS

NOTES

1. All dimensions are in mm.

- Only written dimensions are to be followed. Drawing should not be scaled.
- The layout of building shall be given from the architectural drawings.
- The foundation has been designed for 18.00 t/sqm. bearing capacity is to be assumed.
- The foundation are to be placed on the firm soil. If filledup soil is encountered, the foundation should be placed where firm soil is available.
- All reinforcement shall be T. M. T. bars of grade Fe 500 conforming to IS : 1786.
- Concrete mix M-20 shall be used for R.C.C. works.
- Lean concrete 1:2:4
- Concrete covers -
(a) Cover to main reinforcement.
Element Top/Bottom cover
column 40 mm
footing 50 mm
Beam 25 mm
Slab 15 mm or dia of bar if > 15 mm
(b) Cover to secondary reinforcement shall not be less than 15 mm.
- Not more than one half of the bars shall be lapped at one section. (lap shall be staggered)
- Development length shall be 50 times dia of bar.
- Lap length in longitudinal bar in columns shall be equal to development length in tension.
- In case of difficulty in providing closed ties, U - ties may be provided.
- Any discrepancy between architectural and structural drawing shall be intimated to this office and got reconciled before execution.
- At the junction of two different nos. of beams that column support shall be referred as second support for the lower no. of beam, while for the higher no. of beam that column support shall be referred as first support.
- Construction joints shall be provided at one third span of beam with proper key construction joints.
Reinforcement adopted at the top face shall continue on the same face of slab at both sides of supports up to a distance equal to 0.3 times of the respective span of concerned slab.
- Alternate half of the reinforcement provided at the bottom face of the slab shall be continued up to the middle of support.
- Remaining alternate half of the reinforcement provided at the bottom face of the slab shall be curtailed from the support at a distance equal to 0.15 times of the respective span.
- Minimum length of the bars used in the slab as reinforcement shall be 2 * Ld, where 'Ld' is the development length of bar.
- 8 tor @ 300 is to be provided just below the top face reinforcement which has not been mentioned in the drawing.
- Dotted lines are shown as top face reinforcement, while firm lines are bottom face reinforcement.

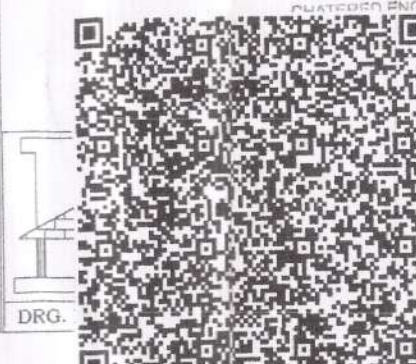
DEWING TITLE COLUMN & FOUNDATION, BEAM AND SLAB LAYOUT PLAN STRUCTURAL DETAILS

SIGNATURE OF OWNER'S

Anupam Banerjee
Tapas Banerjee
Jayanta Banerjee
Purnima Mukherjee

SIGNATURE OF CONSULTANT

SURANJAN DHAR
DR. BOWLING
21-22



AND DESIGNED BY
R ASSOCIATES
STRUCTURAL DESIGNING
LONY-1, NEAR BABY CLINIC
7504 (C), 08170066783 (M)