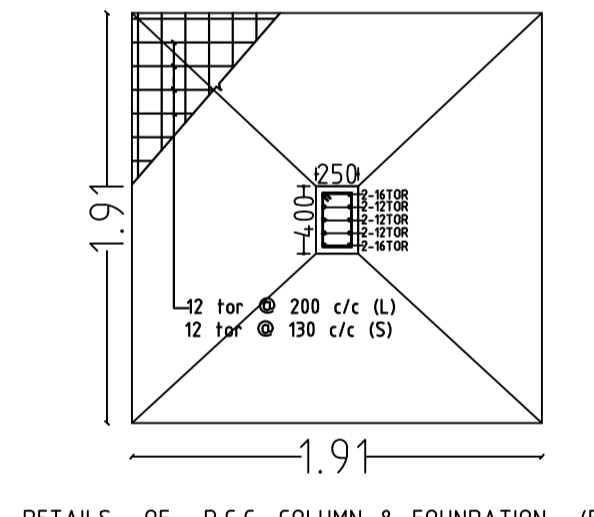
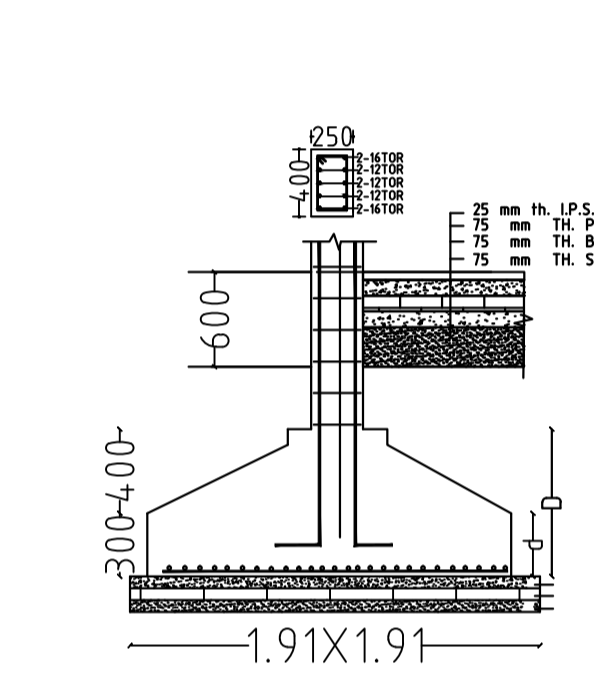
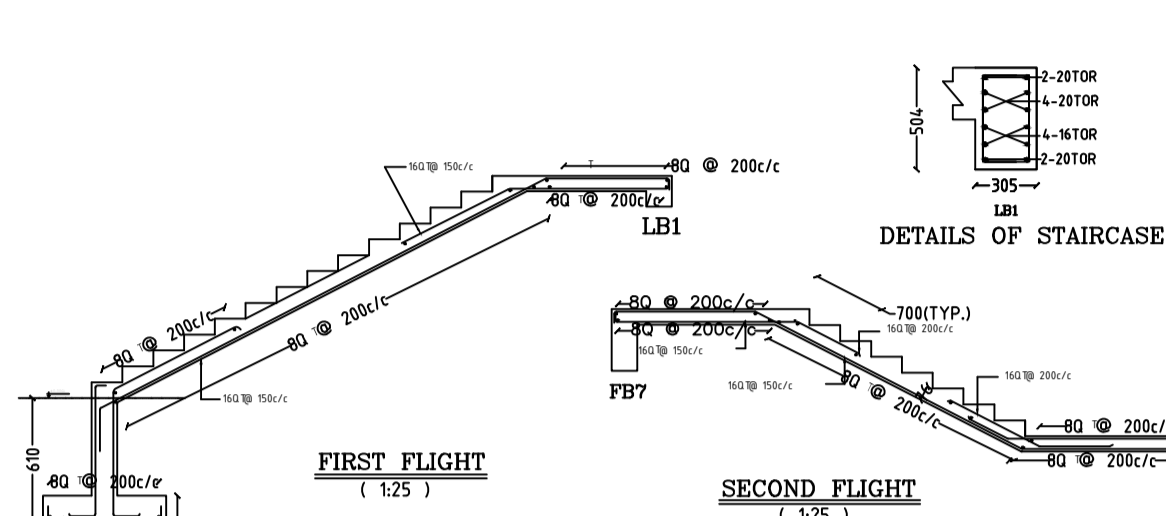
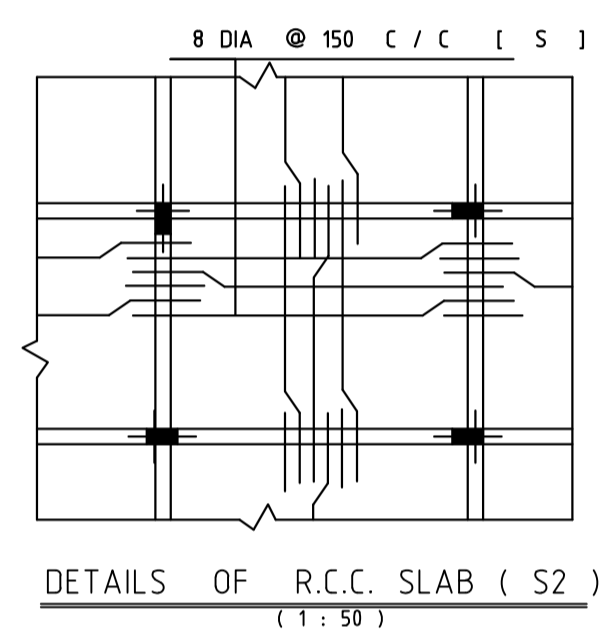


THE STRUCTURAL PLAN SHOWING THE PROPOSED GROUND + FOUR STORIED APARTMENT TYPE RESIDENTIAL BUILDING OF [1.] SUMANT PRATAP SINGH S/O. SRI VISHWA NATH SINGH [2.] SRI. PABITRA MANDAL S/O LATE SUBAL MANDAL AT - GOPALPUR, ASANSOL ON R.S. PLOT NO.- 665 /939 , 665 /940 , L.R. PLOT NO- 941 , & 942 , L. R. KHATIAN NO. - 2566, 2567, MOUZA - GOPALPUR , J.L. NO- 10, P.S.- ASANSOL[S] , WARD NO- 55 , BOROUGH - V, PIN - 713305 , DIST- PASCHIM BARDHAMAN (W.B.) , UNDER ASANSOL MUNICIPAL CORPORATION.

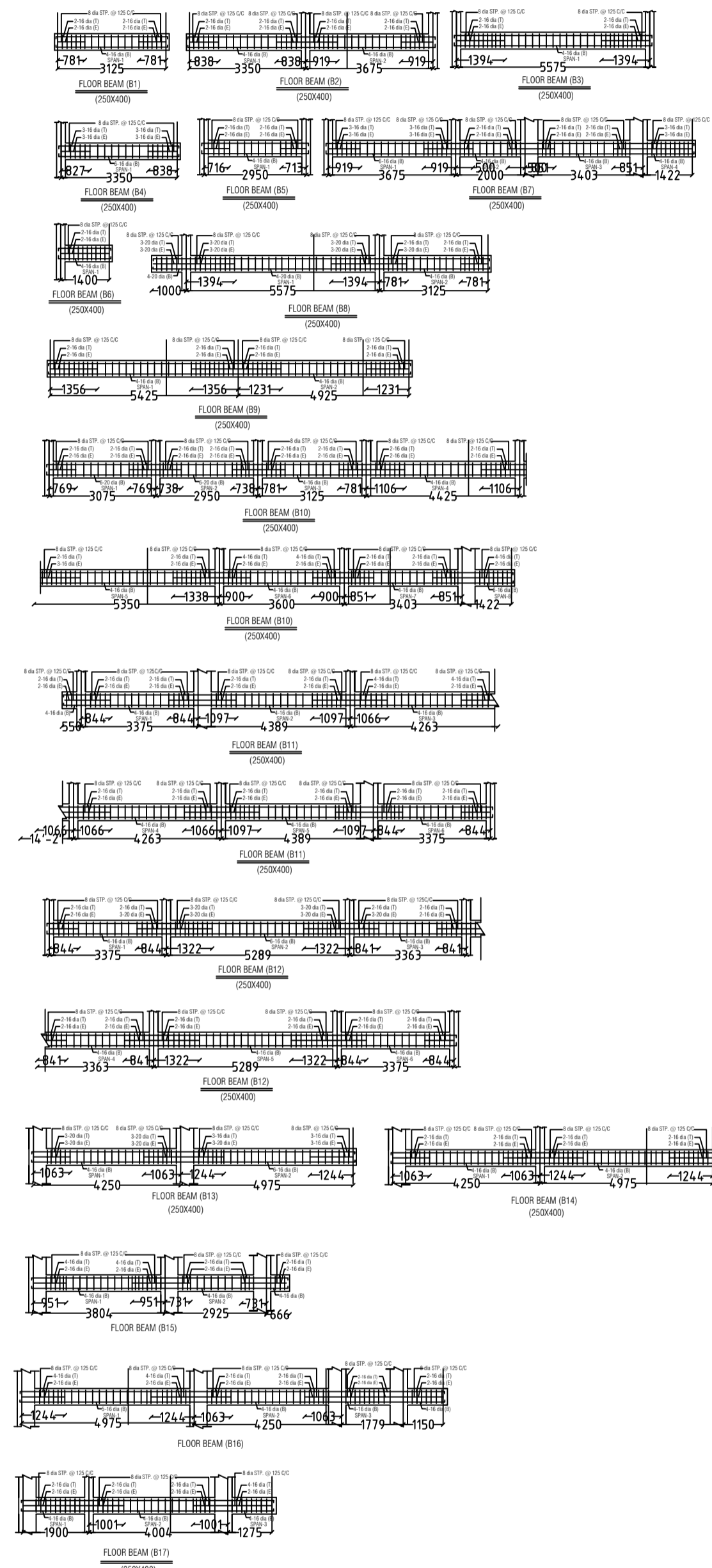
REMARKS



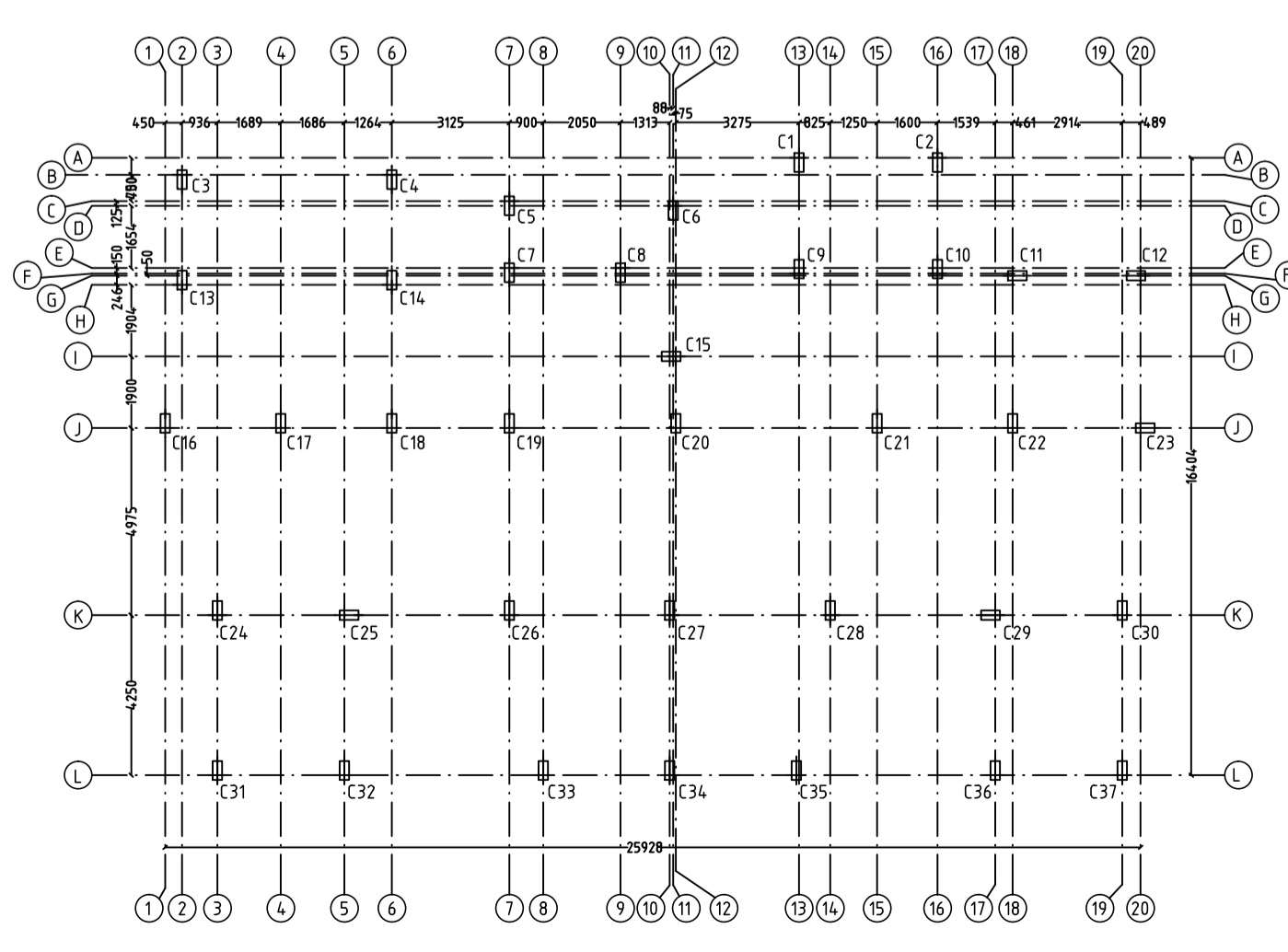
DETAILS OF R.C.C. COLUMN & FOUNDATION (F4)
SCALE: - 1:25



DETAILS OF R.C.C. LINTEL & CHAJJA



FLOOR BEAM & SLAB LAYOUT PLAN
SCALE: - 1:100



COLUMN LAYOUT PLAN
SCALE: - 1:100

FNO	FOUNDATION SIZE	COL. MKD.	D	REBAR 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 S.F.	S.F. TO T.F.	
F1	2475x2475	C1	400	250	12 DIA @ 175 C/C (L) 12 DIA @ 150 C/C (S)	250X500 4-16 TOR 6-12 TOR	250X400 8-12TOR	250X400 8-12TOR	250X400 8-12TOR	250X400 8-12TOR	250X400 8-12TOR

SCHEDULE	O F	RESIDENTIAL	R. C. C.	SLAB (M20)	REMARKS
S1	115	8 DIA @ 125 C/C (S) 8 DIA @ 150 C/C (L)	ALTERNATE CRANK AT CONTINUE EDGE		
S2	115	8 DIA @ 150 C/C (S) 8 DIA @ 175 C/C (L)	ALTERNATE CRANK AT CONTINUE EDGE		

FNO	FOUNDATION SIZE	COL. MKD.	D	REBAR 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 S.F.	S.F. TO T.F.	
F16	2325x2325	C16	400	250	12 DIA @ 175 C/C (L) 12 DIA @ 150 C/C (S)	250X500 4-16 TOR 6-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR	250X400 8-12 TOR

- NOTES**
- 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 filled up 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 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 development 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 the drawing.
 - Dotted lines are shown as top face reinforcement, while firm lines are bottom face reinforcement.

DRAWING TITLE COLUMN & FOUNDATION AND SLAB LAYOUT PLAN STRUCTURAL DETAILS

SIGNATURE OF OWNER'S

Sumant pratap Singh

Pabitra Mandal

SIGNATURE OF CONSULTANT

Suranjana Dhar

SURANJANA DHAR
B.E. (CIVIL), M.I.E
CHARTERED ENGINEER (U)
L.B.S. NO. 22/21-22



DRAWING NO. DA /36/04/2021