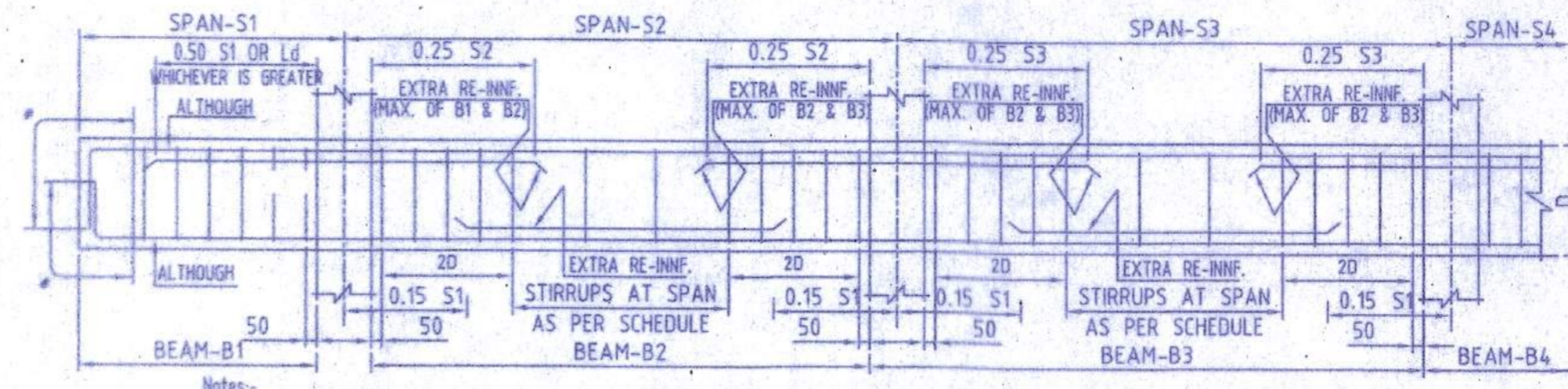


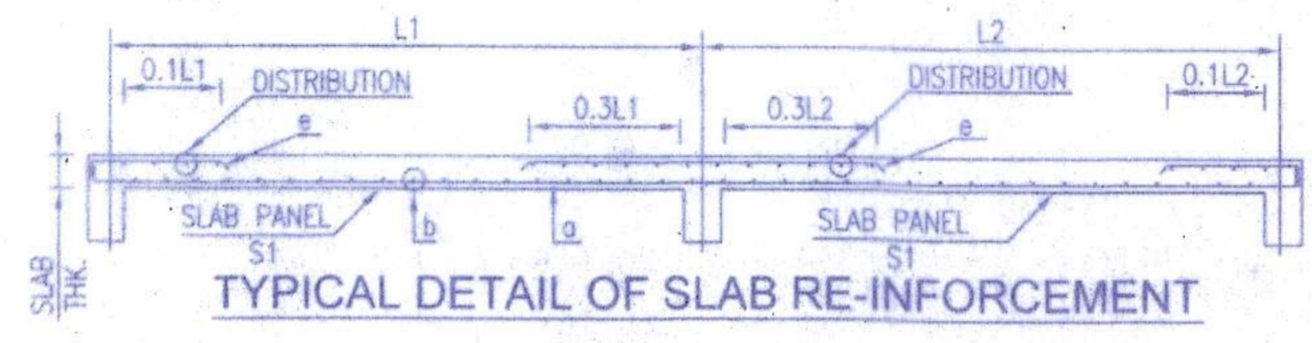
SCHEDULE OF TYPICAL FLOOR BEAMS					
BEAM MKD.	BEAM SIZE	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT	
		TOP	BOTTOM	EXTRA TOP	EXTRA BOTTOM
FB1	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	2-16RT	2-16RT
FB2	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	-	-
FB3	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	-	2-16RT
FB4	250 X 400	2-12RT+1-12RT	2-12RT+1-12RT	2-16RT	-
FB5	250 X 400	2-12RT+1-12RT	2-12RT+1-12RT	-	-
FB6	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	3-16RT	2-16RT
FB7	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	3-16RT	-
FB8	250 X 400	2-16RT+1-16RT	2-16RT+1-16RT	3-16RT	2-16RT

SCHEDULE OF ROOF BEAMS					
BEAM MKD.	BEAM SIZE	ALTHOUGH REINFORCEMENT		EXTRA REINFORCEMENT	
		TOP	BOTTOM	EXTRA TOP	EXTRA BOTTOM
RB1	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	2-12RT	2-16RT
RB2	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	-	-
RB3	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	-	2-12RT
RB4	250 X 400	2-12RT+1-12RT	2-12RT+1-12RT	2-12RT	-
RB5	250 X 400	2-12RT+1-12RT	2-12RT+1-12RT	-	-
RB6	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	3-12RT	2-12RT
RB7	250 X 400	2-16RT+1-12RT	2-16RT+1-12RT	3-12RT	-
RB8	250 X 400	2-16RT+1-16RT	2-16RT+1-16RT	3-16RT	2-16RT



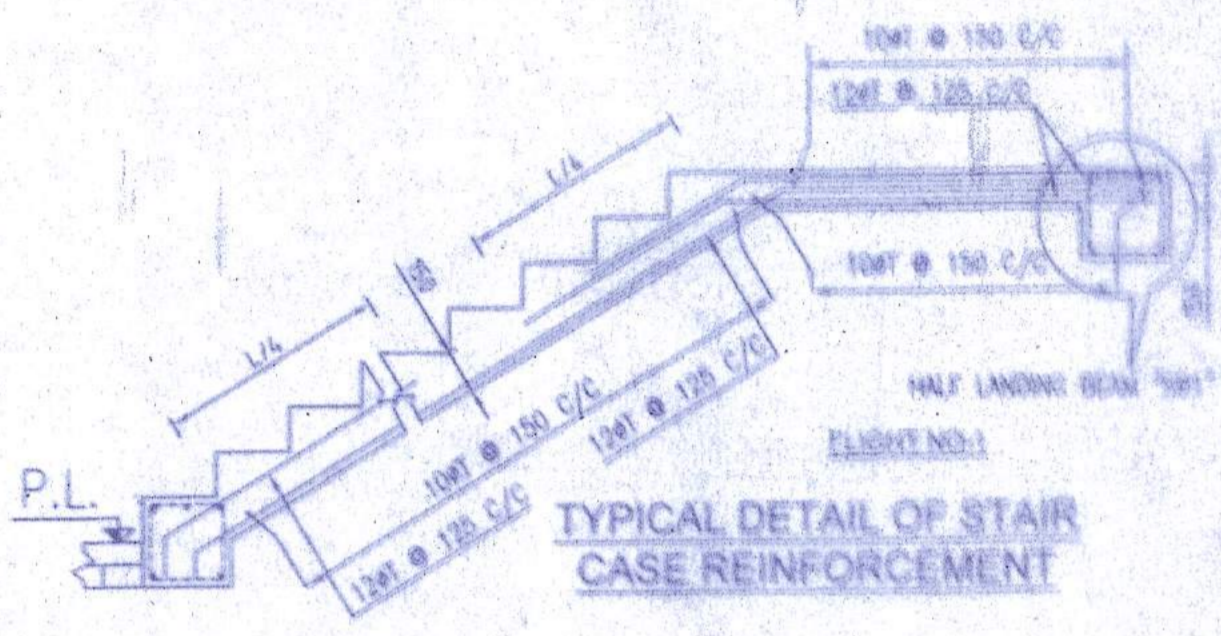
TYPICAL LONG SECTION DETAIL OF FLOOR & PLINTH BEAM & STIRRUPS DETAILS

SCHEDULE OF STIRRUPS FOR PLINTH, FLOOR & ROOF BEAMS			
DEPTH OF BEAM	2D LENGTH ON SUPPORT	STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
400	800	8RT @ 100 C/C	8RT @ 130 C/C

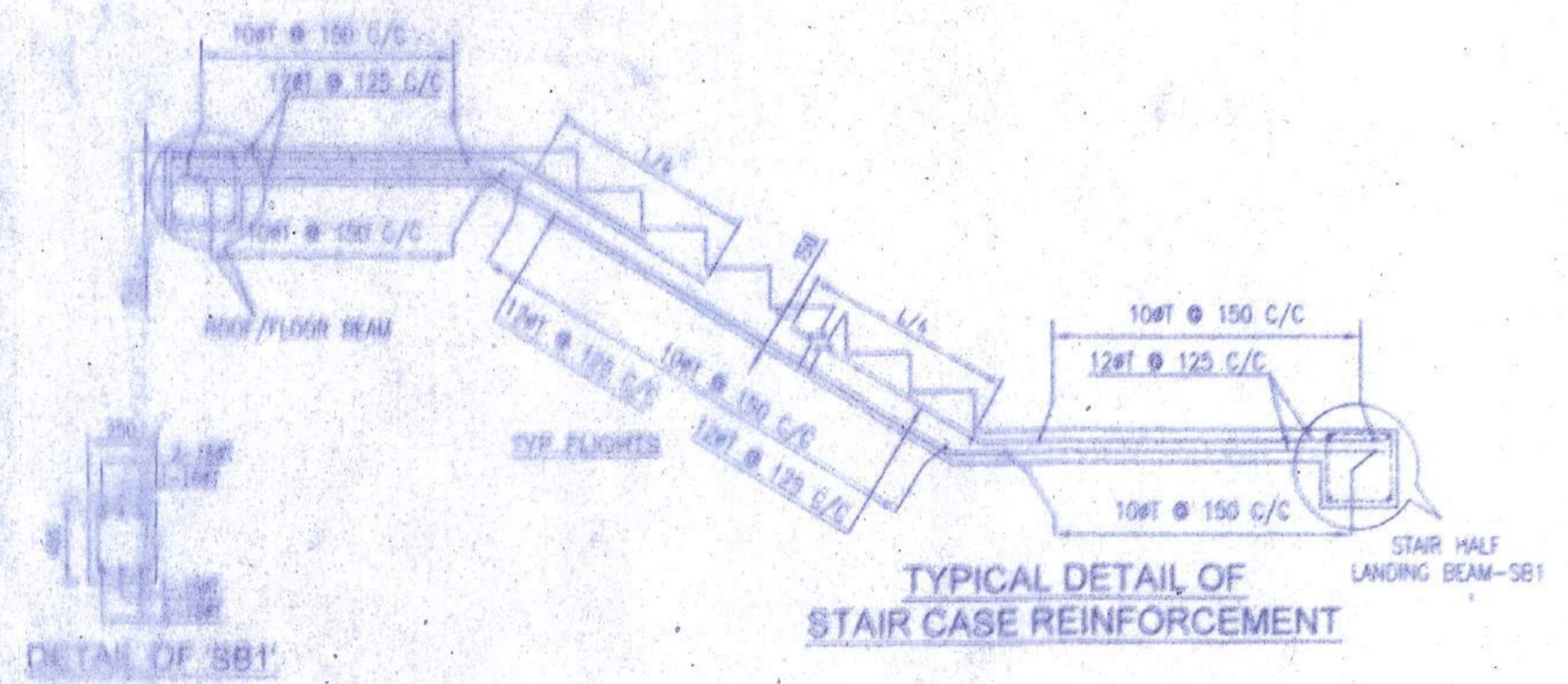


TYPICAL DETAIL OF SLAB RE-INFORCEMENT

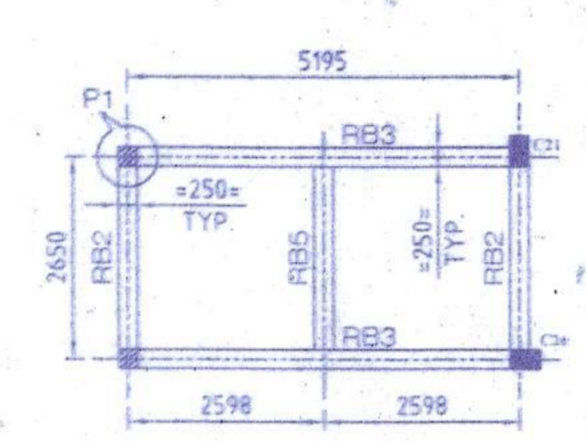
SLAB THICKNESS	BOTTOM REINF.		EXTRA REINF.		DISTRIBUTION BARS
	SHORTER DIR. (a)	LONGER DIR. (b)	SHORTER DIR. (e)	LONGER DIR. (f)	
115 FOR S1	8RT @ 150 C/C	8RT @ 150 C/C	8RT @ 175 C/C	8RT @ 175 C/C	8RT @ 175 C/C



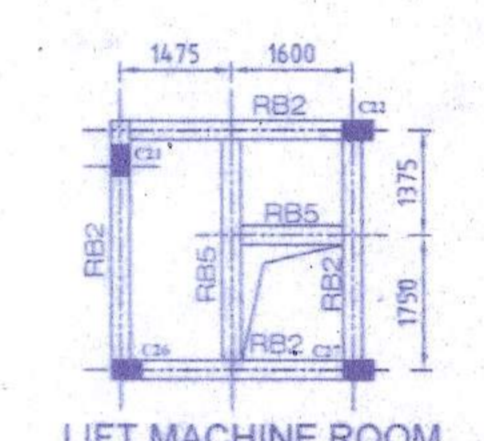
TYPICAL DETAIL OF STAIR CASE REINFORCEMENT



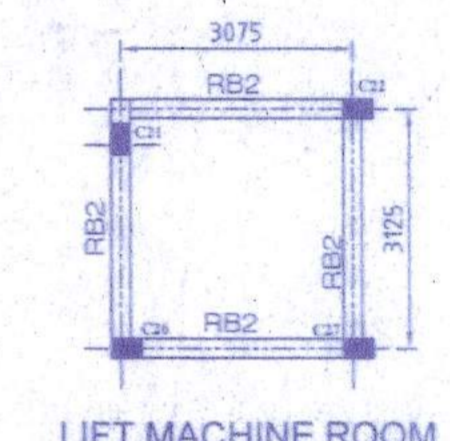
TYPICAL DETAIL OF STAIR CASE REINFORCEMENT



ATTIC ROOF BEAM LAYOUT



LIFT MACHINE ROOM FLOOR BEAM LAYOUT



LIFT MACHINE ROOM ROOF BEAM LAYOUT

B₇₀ (18-19)
(F.A.T)

NOTES:-

- All dimensions & levels are in mm, otherwise mentioned.
- E.G.L. corresponds to existing ground level & F.G.L. corresponds to finished ground level.
- All R.C.C. work shall preferably be of M25 grade for sub-structure & M20 for super structure.
- T.M.T. reinforcement bar (yield stress fy = 500 N/mm²) shall conform to IS:1786.
- Clear cover for Fdn=50mm, Columns=40mm, Beam=25mm and Slab=20mm.
- Stone chips shall be 20 mm, down well graded.
- All reinforcement shall be of high yield strength deformed bars conforming to IS:1786.
- Laps to be suitably staggered and in no case more than 50% bars be lapped at any section.
- Bent length shall be as per SP34 & IS 2502.
- Development length 'Ld' & lap length shall be taken as 50 x dia of the bar unless specified.
- All construction work shall be executed in accordance with relevant IS codes.
- 5-16RT means 5 nos bar of 16mm dia. T.M.T./HYSD bar.
- Any discrepancy in Drg. should be brought to the notice of designers immediately.
- Floor Levels/Height shall be match with architectural drawing.

Project Title:-

PROPOSED G+IV STORIED RESIDENTIAL BUILDING OF AT L.R. DAG NO. - 2740, L.R. KHATIAN NO.- 5655,5656 & 6553, MOUZA - BALLY, J.L. NO. - 09, HOLDING NO.-560/433/1054/560, MOHALLA - KAJIDANGA, IN WARD NO. - 05, UNDER - HOOGHLY CHINSURAH MUNICIPALITY, P.S. - CHINSURAH, DIST. - HOOGHLY.

Signature Of Owner :-

- Nimai Banerjee
- Ripon Kumar Saha
- Bijoy Kumar Saha

Certificate of Structural Engineer

Certified that the structural drawing and design of both the foundation and superstructure of the building has been made considering the Soil Test Report, as per the rules and regulations made under the Act and also considering all possible loads seismic load and moments generated by the proposed structure as per the Bureau of Indian Standard and National Building Code of India and certified that it is safe and stable in all respect and these provisions shall be adhered to during the construction.

Robin Roy
Robin Roy
Civil Engineer B. Tech
South Haldia, Bardoli, Hooghly
Mob. - 7278738753
Reg. No. - 1512989

Signature of Structural Engineer

LEGEND	
	SLAB OPENING
	POST STARTED FROM THIS LEV.
	COLUMN / POST TERMINATED IN THIS LEV.

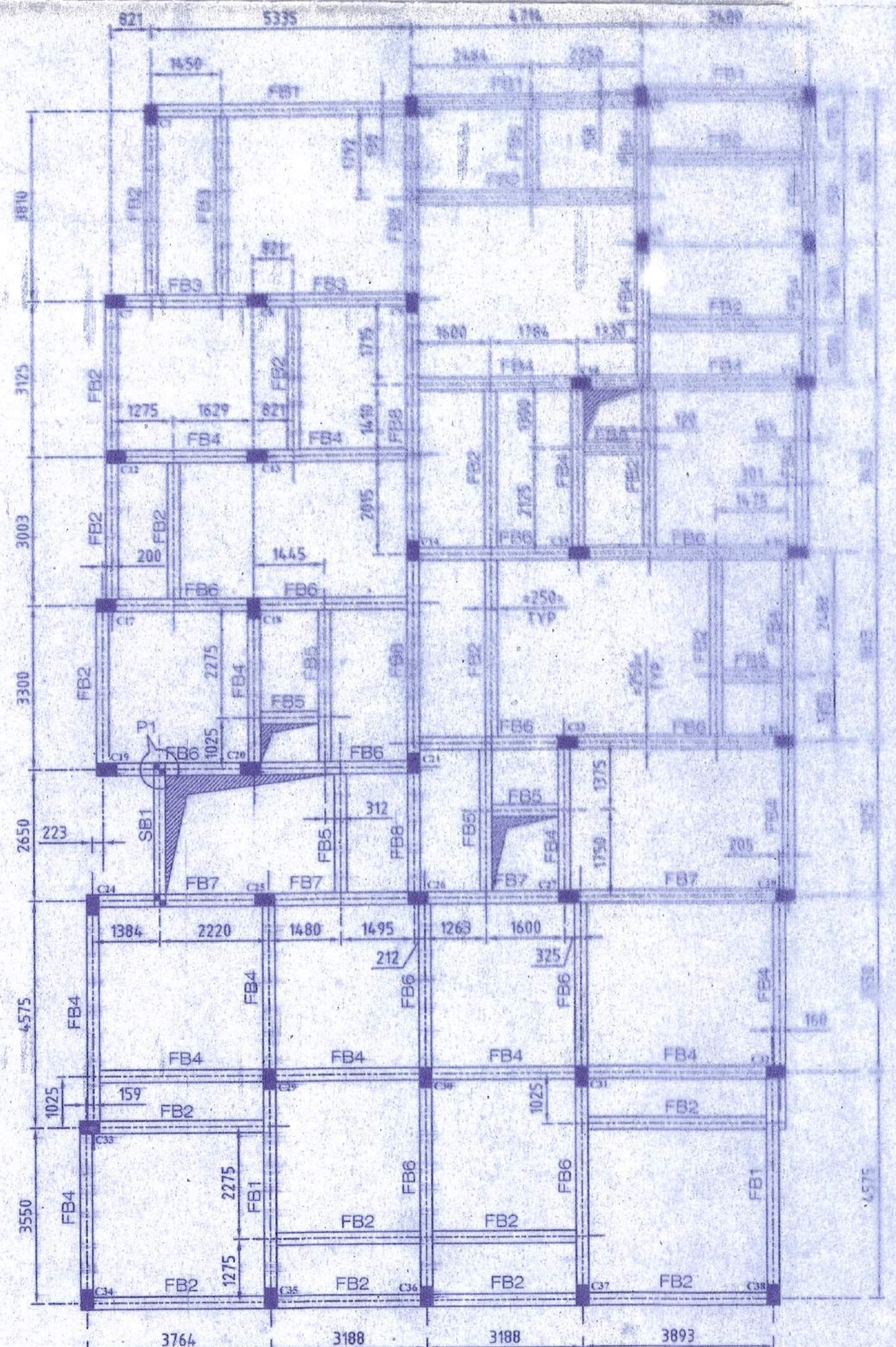


Revision No.:- 00

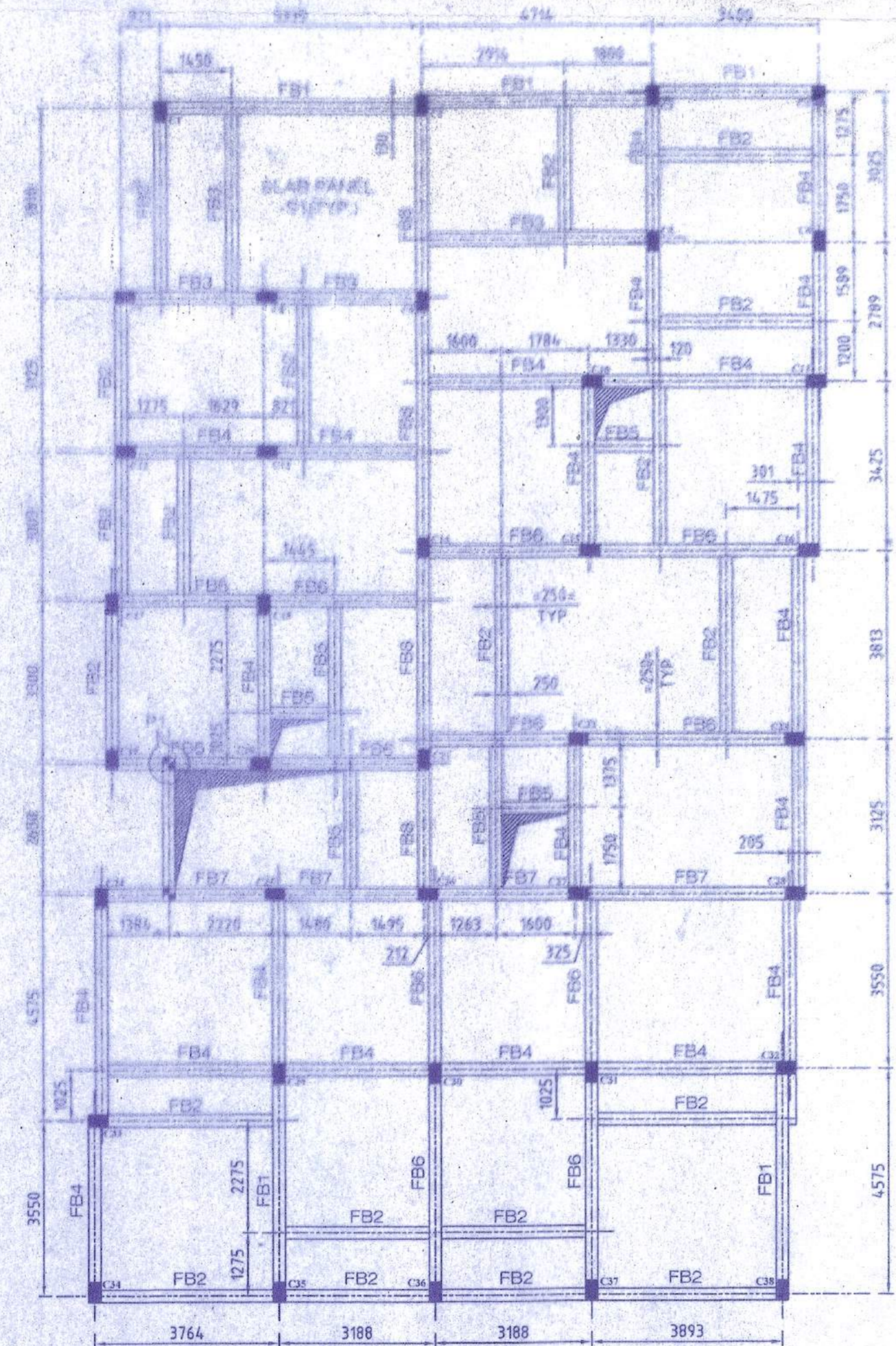
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SCALE USED:- 1:100,
50, 25, 20

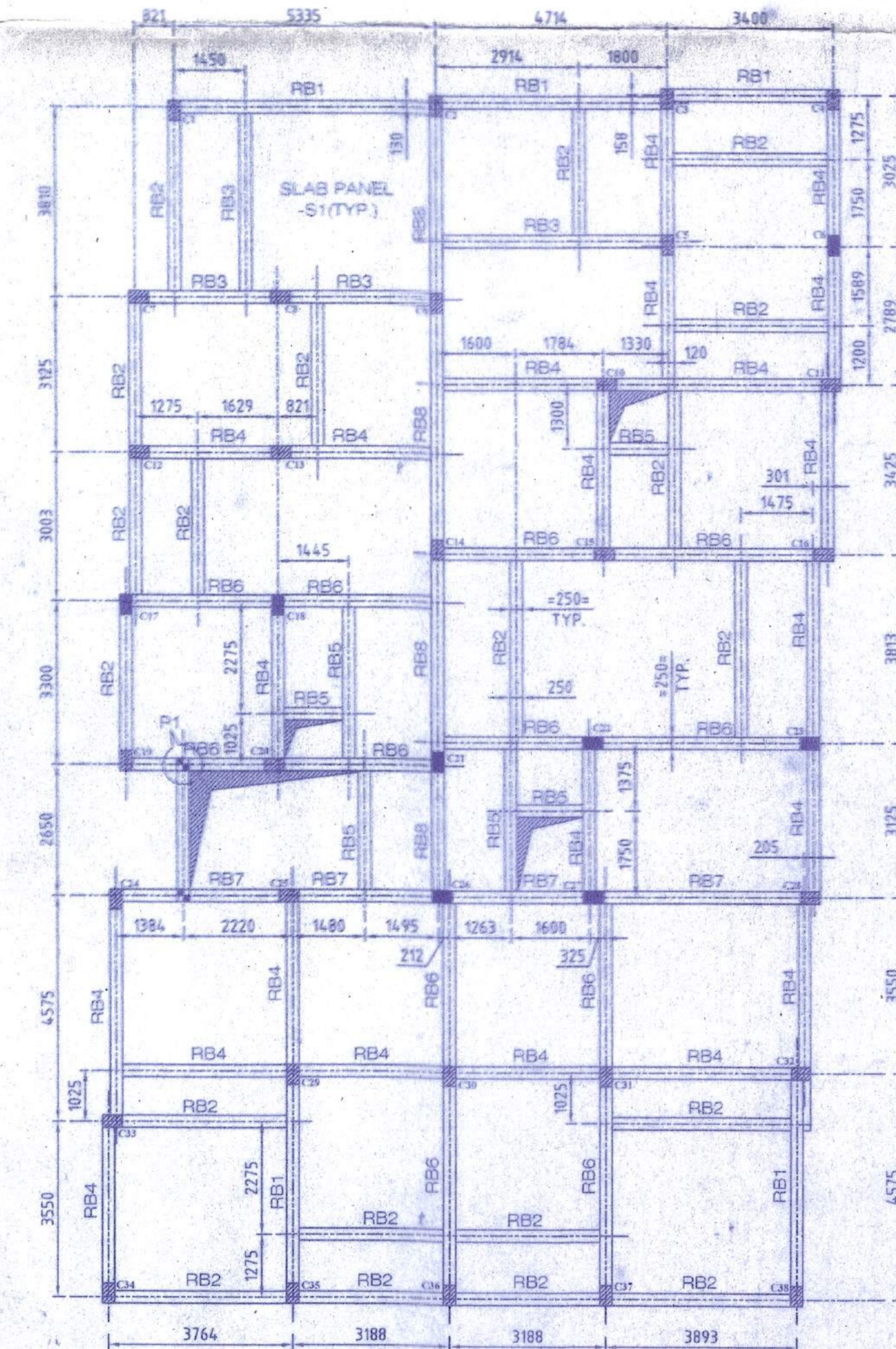
Sheet No.-
2 of 2



1ST, 3RD & 4TH FLOOR BEAM LAYOUT



2ND FLOOR BEAM LAYOUT



ROOF BEAM LAYOUT

9/10/18
SAE
Hooghly-Chinsurah Municipality

SANCTIONED
Chairman
Hooghly-Chinsurah Municipality