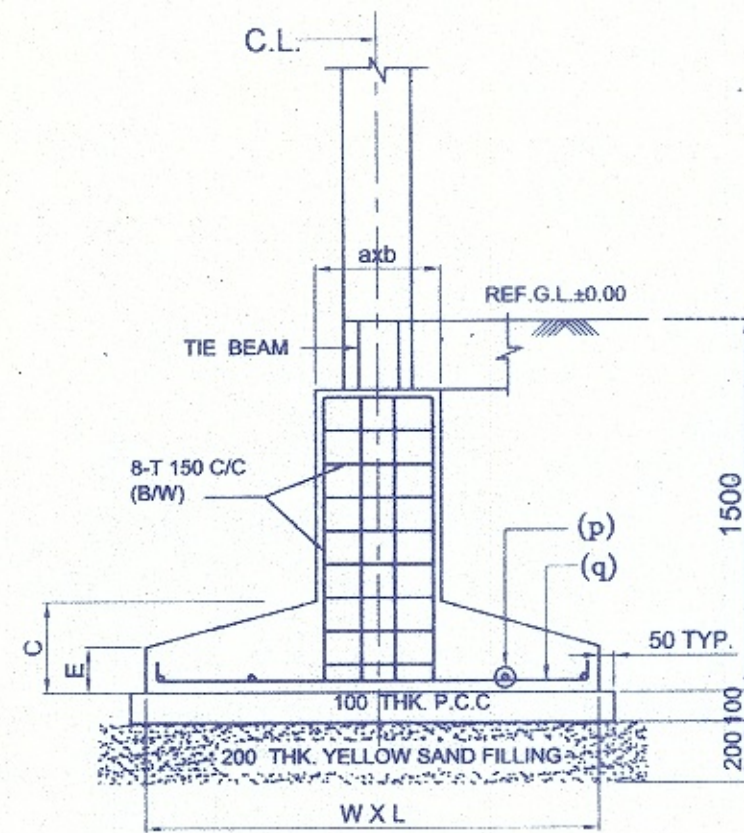
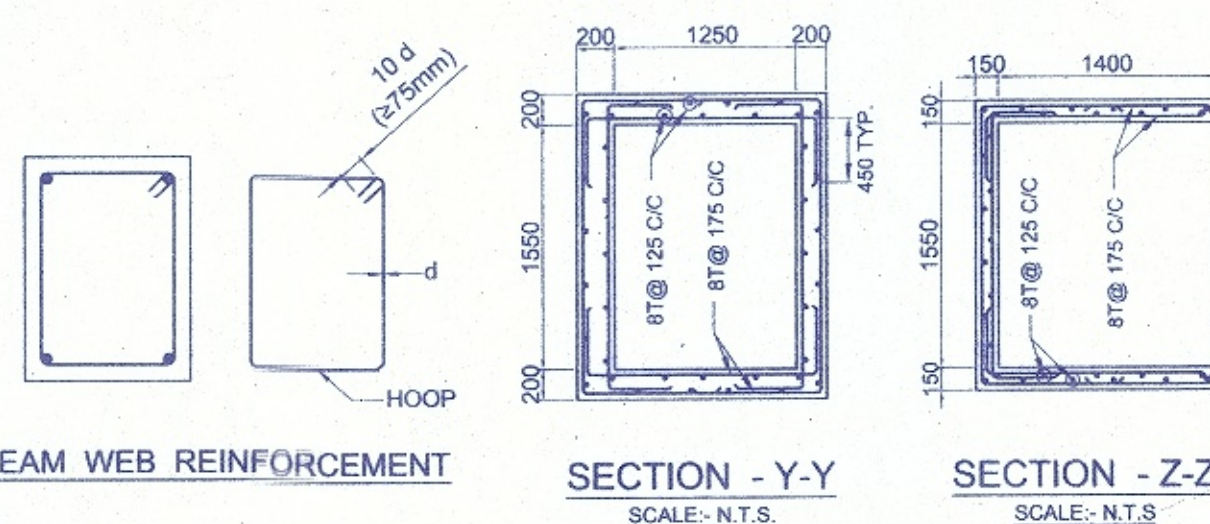




TYP. SECTION OF ISOLATED FOUNDATION
SCALE: N.T.S.

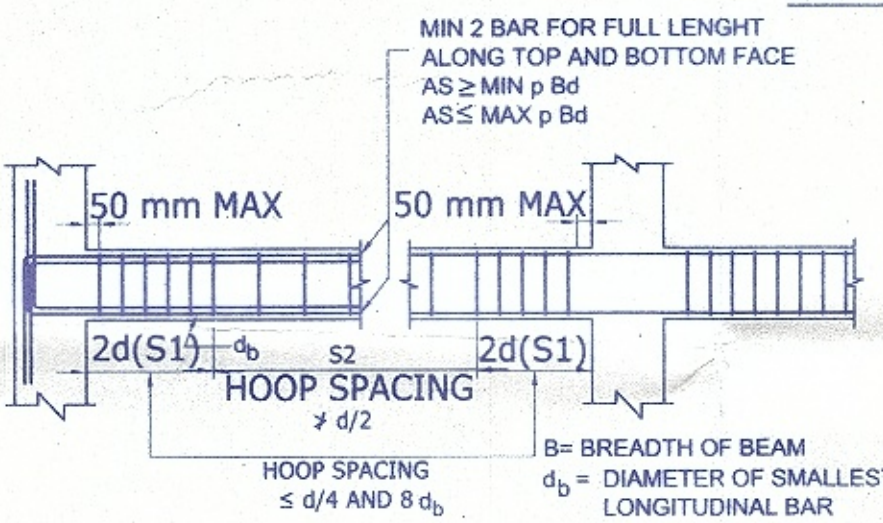
SCHEDULE OF BEAM								
MKD.	SIZE		REINFORCEMENT				STIRRUP (2L-8T)	
	WIDTH	DEPTH	SUPPORT		SPAN		SUPP. (s1)	SPAN (s2)
			TOP	BOTT.	TOP	BOTT.		
B1	250	350	2- 12T +1-16T	2-12T	2-12T	2-12T+1-16T	100 C/C	150 C/C
B2	250	350	3- 16T	2-16T	2-16T	2-16T+1-12T	100 C/C	150 C/C
B3	250	350	2-12T+1- 16T	2-12T	2-12T	3-12T	100 C/C	150 C/C
B4	250	350	2-16T+1-12T	2-16T	2-16T	2-16T+1-12T	100 C/C	150 C/C
B5	250	300	3-12T	3-12T	3-12T	3-12T	100 C/C	150 C/C
B6	250	350	2-16T+3-12T	2-16T	2-16T	2-16T+1-12T	100 C/C	150 C/C
B7	250	350	5-16T	3-16T	2-16T	3-16T	100 C/C	150 C/C
B8	250	350	6-16T	3-16T	2-16T	3-16T+2-12T	100 C/C	150 C/C
B9	250	350	3-16T	2-16T+1-12T	3-16T	2-16T+1-12T	100 C/C	150 C/C
B10	250	350	3-16T+2-12T	2-16T	2-16T	2-16T+1-12T	100 C/C	150 C/C
B11	250	350	5-16T	3-16T	3-16T	3-16T+2-12T	100 C/C	150 C/C
B12	250	350	3-16T	3-16T	3-16T	3-16T+2-12T	100 C/C	150 C/C
B13	200	350	2-16T+3-12T	3-16T	3-16T	3-16T+2-12T	100 C/C	150 C/C



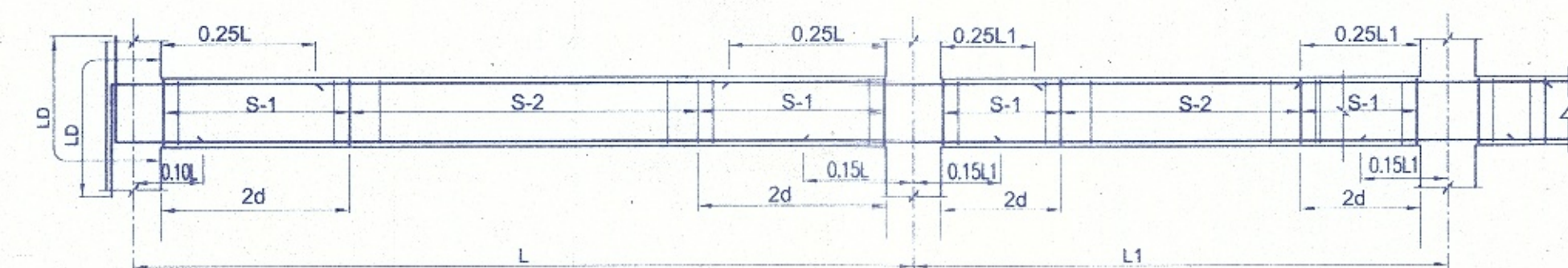
BEAM WEB REINFORCEMENT

SECTION - Y-Y

SECTION - Z-Z

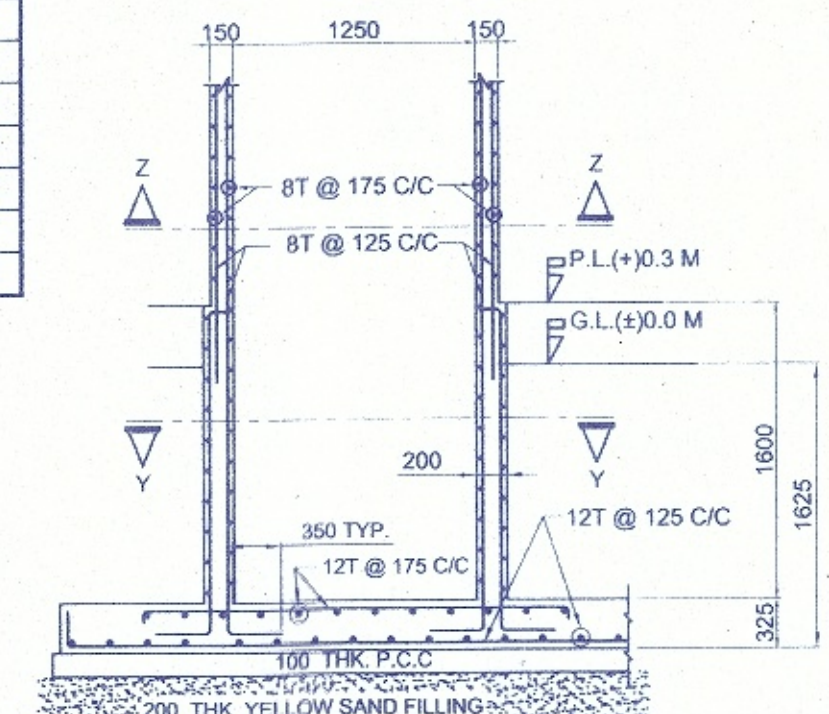


BEAM REINFORCEMENT



TYPICAL DETAIL OF FLOOR BEAM

FOOTING MARK	COLUMN MARK	LENGTH(L) (mm)	WIDTH(W) (mm)	THICKNESS(mm)	EDGE (E) CENTER (C)	PEDESTAL	REINFORCEMENT	NO. OF FOOTING
F1	C1,C2,C3,C11,C15,C26	1800	1800	250	350	350	12T @ 150 C/C	6
F2	C3,C4,C6,C7,C19,C24,C28	2000	2000	250	400	350	12T @ 150 C/C	7
F3	C8,C9,C10,C20,C21,C22,C23,C25,C27	2200	2200	250	400	350	12T @ 150 C/C	9
CF1	C13-C14	6115	2700	250	450		10T @ 150 C/C	1
CF2	C17-C18	6150	2700	250	450		10T @ 200 C/C	1
CF3	C12-C16	AS PER DRAWING		325	325		12T @ 125 C/C (AT BOT.) 12T @ 175 C/C (AT TOP)	1



DETAILS OF LIFT

SCHEDULE OF TIE-BEAM									
MKD.	SIZE		REINFORCEMENT				STIRRUP (2L-8T)		
			SUPPORT		SPAN				
	WIDTH	DEPTH	TOP	BOTT.	TOP	BOTT.	SUPPORT(S1)	SPAN (S2)	
TB1	250	300	2-12T +1-16T	2-12T +1-16T	2-12T +1-16T	2-12T +1-16T	100 C/C	150 C/C	
TB2	250	350	3-16T	3-16T	3-16T	3-16T	100 C/C	150 C/C	

SCHEDULE OF SLAB									
MKD.	THICK	REINFORCEMENT							
		SHORTER SPAN				LONGER SPAN			
		SUPPORT		SPAN		SUPPORT		SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	110	8T @ 125 C/C	8T @ 250 C/C	--	8T @ 125 C/C	8T @ 125 C/C	8T @ 250 C/C	8T @ 125 C/C	8T @ 125 C/C
S2	120	8T @ 125 C/C	8T @ 250 C/C	--	8T @ 125 C/C	8T @ 125 C/C	8T @ 250 C/C	--	8T @ 125 C/C
S3	150	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C
S4	140	LONGITUDINAL REINFORCEMENT- 12T @ 150 C/C DISTRIBUTION STEEL - 8T @ 200 C/C							STAIR WAIST SLAB

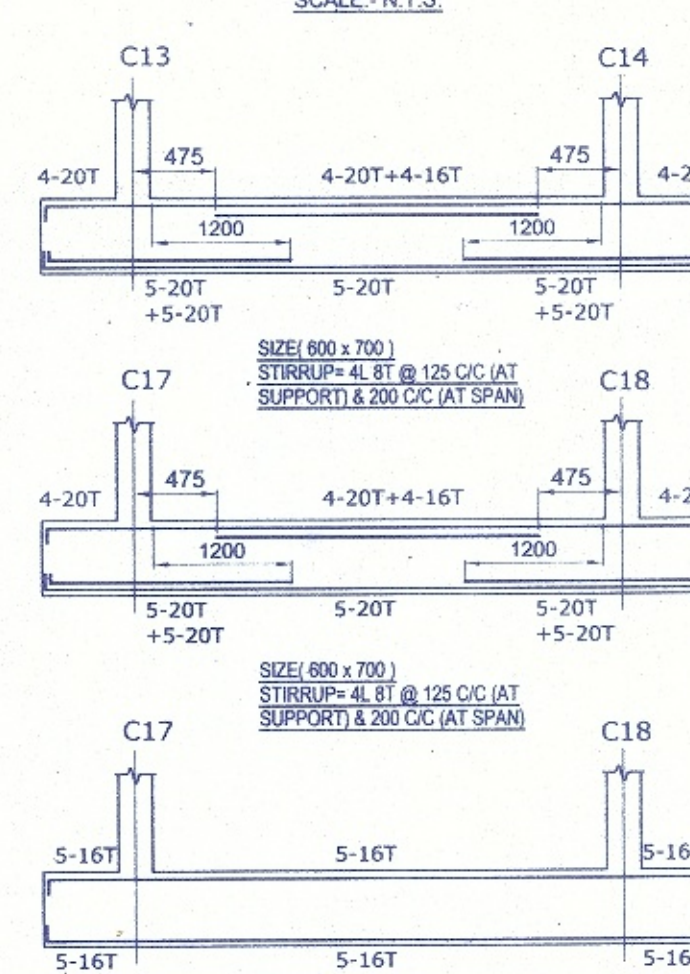
TYPICAL DETAIL OF FLOOR SLAB

DETAILS OF TERMINATIONS OF CORNER COLUMN BARS

DETAILS OF TERMINATIONS OF COLUMN BARS INSIDE THE BEAM

COLUMN MKD.	REINFORCEMENT	SHAPE OF BAR	NO. OF COL.
C1,C2,C3,C4,C5,C6,C7,C8,C9,C11,C20,C21,C22,C24,C25,C26,C27,C28	10-12T WITH 2 C.L. PER SET	8T @ 150 C/C	18
C10,C19,C23	10-12T WITH 2 C.L. PER SET	8T @ 150 C/C	3
C12,C15,C16	10-12T WITH 2 C.L. PER SET	8T @ 150 C/C	3
C13,C14	2-12T+8-16T WITH 2 C.L. PER SET	8T @ 150 C/C	2
C17,C18	10-16T WITH 2 C.L. PER SET	8T @ 150 C/C	2

REINFORCEMENT DETAILS OF FOOTING BEAMS
SCALE: N.T.S.



NOTE: MAKE SURE TO PROVIDE 2-12T AS SIDE FACED REINFORCEMENT

NOTES & SPECIFICATIONS:-

- ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
- WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL P.C.C. WORK WILL BE IN (1:3:6).
- ALL BUILDING MATERIALS TO BE USED AS PER N.B.C. OF INDIA.
- MINIMUM COVER FOR R.C.C. STRUCTURES :
FOR SLAB- 20 M.M.
FOR BEAM-25 M.M.
FOR COLUMN-40 M.M.
FOR FOUNDATION- 50 M.M.
- GRADE OF CONCRETE- M 20 (1:1.5:3).
- GRADE OF STEEL - Fe 500.
- FOUNDATION DESIGNED CONSIDERING SOIL BEARING CAPACITY TO BE 9.3 T/SQM. AS PER SOIL REPORT.
- THE STRUCTURAL DESIGN IS MADE CONSIDERING G+III STORIED RESIDENTIAL STRUCTURE.

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER N.B.C. OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Partha Ghosh
PARTHA GHOSH, B.E. (CIVIL)
E.S.E. No.- 85
Rajpur-Sonarpur Municipality
SIGNATURE OF E.S.E

JAYANTA MAJUMDAR
B.E., M.E., M.I.G.S.
Geotechnical Engineer
G.T/113
SIGNATURE OF GEOTECHNICAL ENGINEER.

For SURAKSHA CONSTRUCTION
Sanku Saha Partner
Smita Saha Partner
AS CONSTITUTED ATTORNEY OF HARAN NASKAR
SIGNATURE OF OWNERS

Buddhima Naskar
Buddhima Naskar
Civil Engineer
B.E., M.E., M.I.G.S.
L.C. No. 519
Rajpur-Sonarpur Municipality
SIGNATURE OF E.B.A.

STRUCTURAL DRAWING OF PROPOSED G+III (BLOCK-A) STORIED RESIDENTIAL BUILDING AT HOLDING NO - 519, GARAGACHA, AT MOUZA- GARAGACHA, R.S. DAG. NO.-246(P), L.R.DAG. NO.-270, J.L. NO.- 45,R.S. KHATIAN NO.- 39, L.R.KHATIAN NO.-574,P.S. - SONARPUR, DIST.- 24 PGS. (S), WARD NO.- 1, UNDER RAJPUR SONARPUR MUNICIPALITY.

DETAILS OF:-
FOUNDATION, FOUNDATION BEAM, LIFT, COLUMN, TIE-BEAM, BEAM & SLAB.

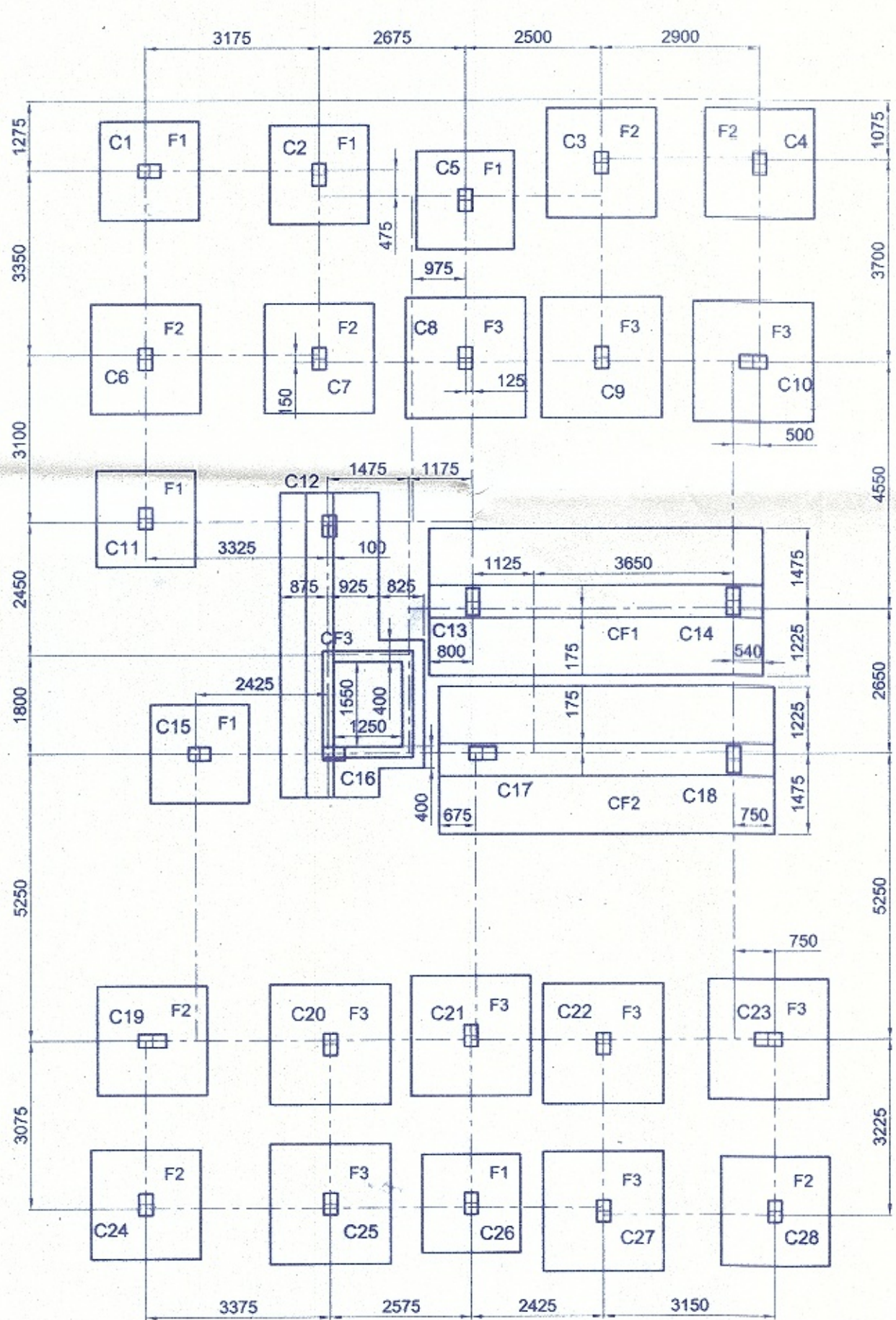
TITLE STRUCTURAL SHEET

SCALE: 1:100 & AS NOTED

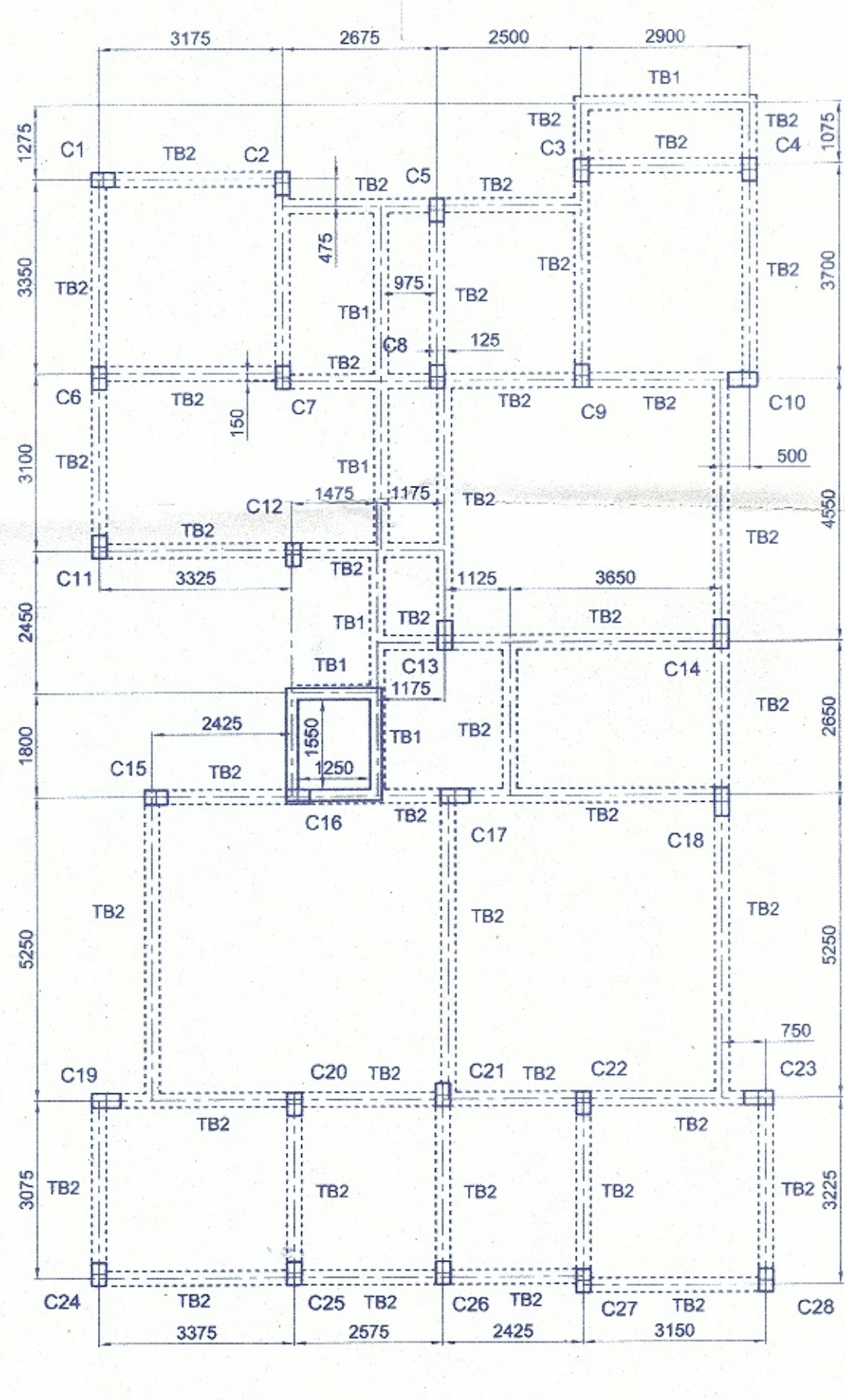
OFFICE USE :-

Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 128/09/01/89. Dated 26/10/2018 for record of the Rajpur-Sonarpur Municipality without Verification. The deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with approval and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during Construction.

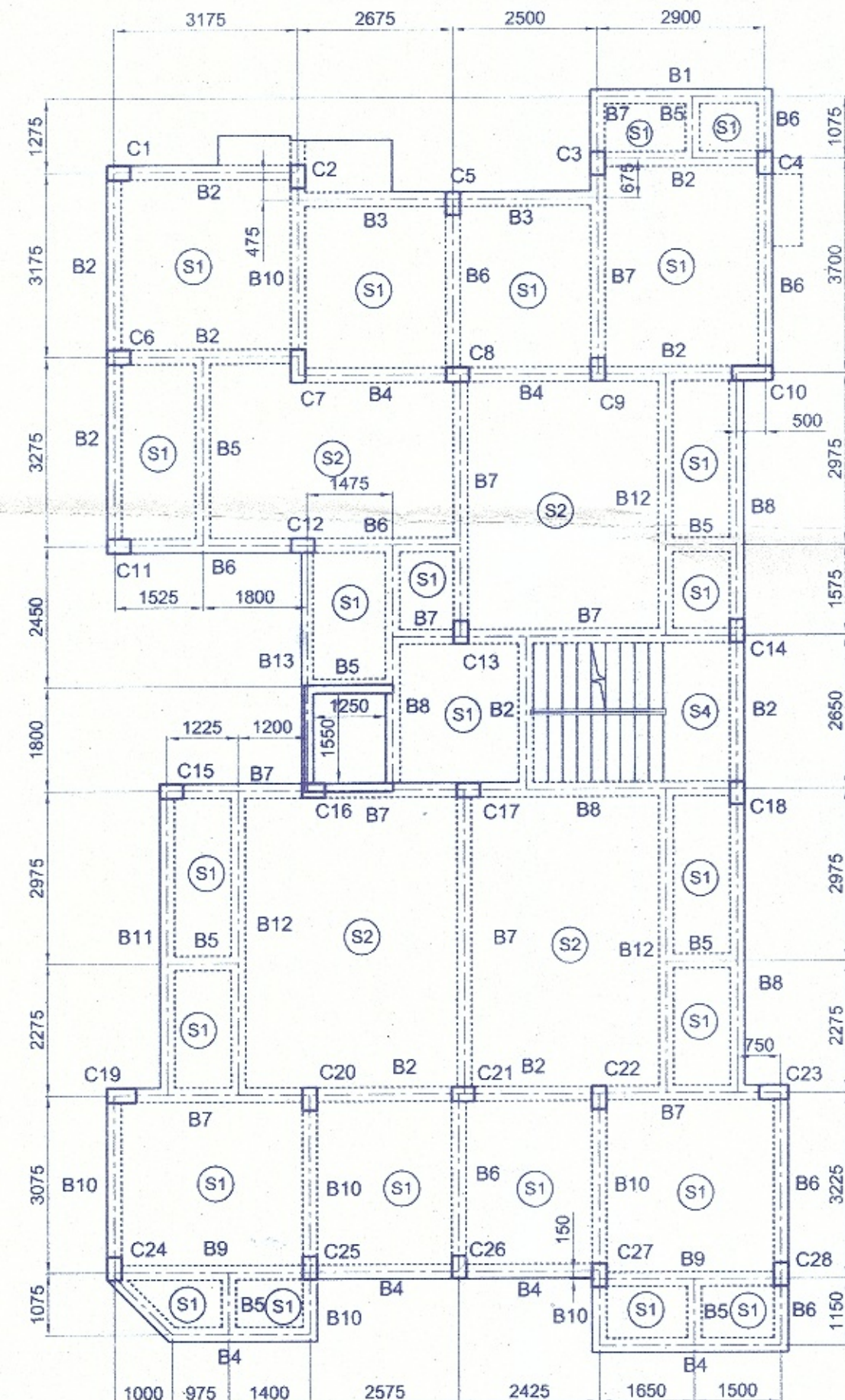
Sig. of Assistant Engineer.
Incharge P.W.D.
RAJPUR-SONARPUR MUNICIPALITY



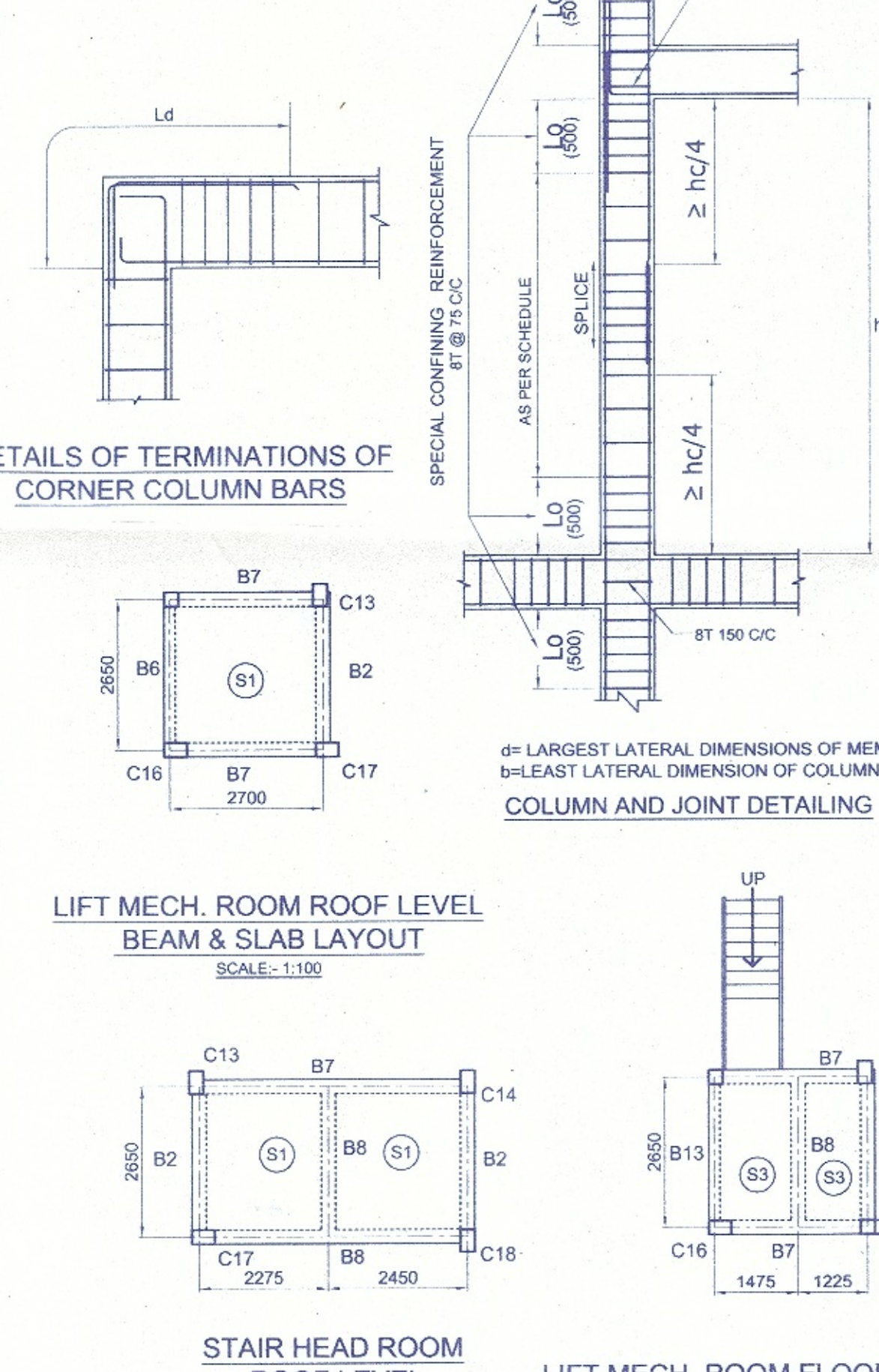
FOUNDATION & TIE BEAM LAYOUT PLAN
SCALE: 1:100



TIE BEAM LAYOUT PLAN
SCALE: 1:100



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



STAIR HEAD ROOM ROOF LEVEL BEAM & SLAB LAYOUT
SCALE: 1:100

LIFT MECH. ROOM FLOOR LEVEL BEAM & SLAB LAYOUT
SCALE: 1:100