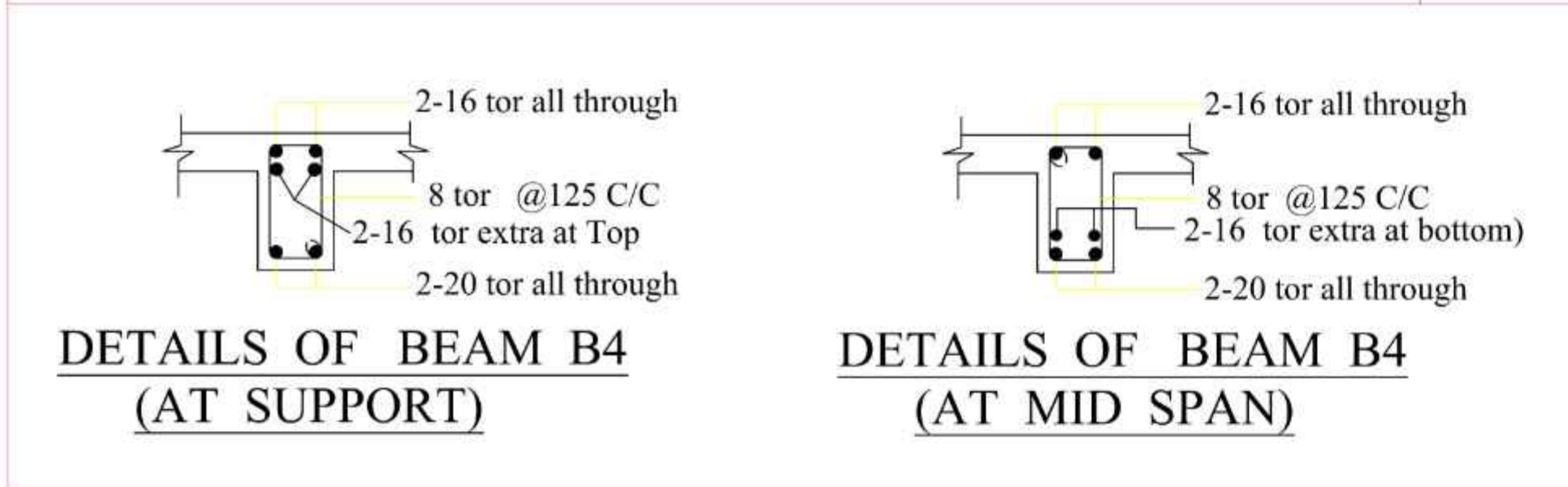
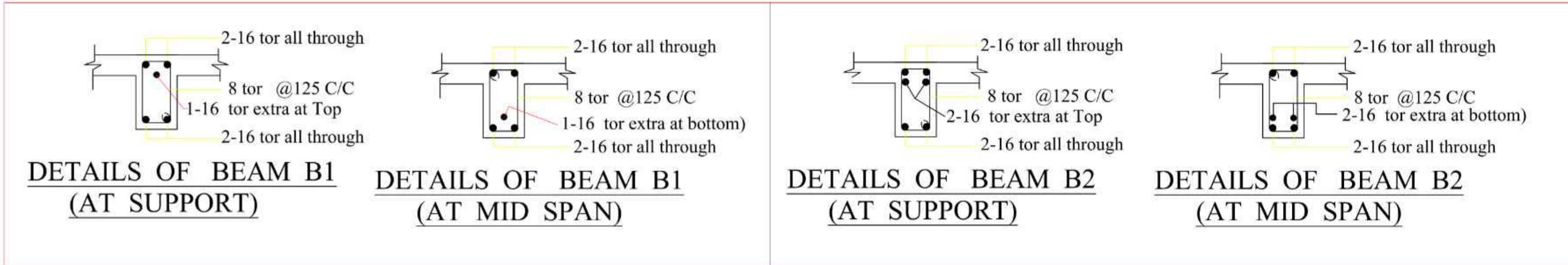


STRUCTURAL PLAN SHOWING THE PROPOSED G+4 STOREIED RESIDENTIAL FLAT BUILDING OF SRI ANAND KUMAR PANDEY S/O LATE NARENDRA NATH PANDEY. ON R.S PLOT NO- 4290, L.R PLOT NO-4775, R.S KH.NO-3227, L.R KH. NO-11194(3854)MOUZA- HIRAPUR. J.L NO- 18. WARD NO- 106 (new),BOROUGH- VII, P.S- HIRAPUR. DIST- PASCHIM BARDHAMAN. UNDER ASANSOL MUNICIPAL CORPORATION. PIN- 713325



**SCHEDULE OF R.C.C. FLOOR BEAMS(M20)**

BEAM MARKED	BEAM SIZE(mm)	SUPPORT		MID SPAN		STIRUPS
		TOP	BOT	TOP	BOT	
B1	250 x 400	2-16 tor(th.)+ 1-16 tor(ex.top)	2-16 tor	2-16 tor	2-16 tor(th.)+ 1-16 tor(ex.bot.)	8 mm @ 125 c/c
B2	250 x 400	2-16 tor(th.)+ 2-16 tor(ex.top)	2-16 tor	2-16 tor	2-16 tor(th.)+ 2-16 tor(ex.bot.)	8 mm @ 125 c/c
B3	250 x 400	2-16 tor(th.)+ 2-16 tor(ex.top)	2-20 tor	2-16 tor	2-20 tor(th.)+ 2-16 tor(ex.bot)	8 mm @ 125 c/c

Grade of Concrete M-20, Grade of Steel- Fe-500

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

SLAB MARKED	THICKNESS OF SLAB	SHORT SPAN( 10 mm tor)				LONG SPAN(8 mm tor)			
		SUPPORT		MID SPAN		SUPPORT		MID SPAN	
		TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
S1	125 mm	125 C/C	250 C/C	125 C/C	250 C/C	125 C/C	250 C/C	125 C/C	250 C/C

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

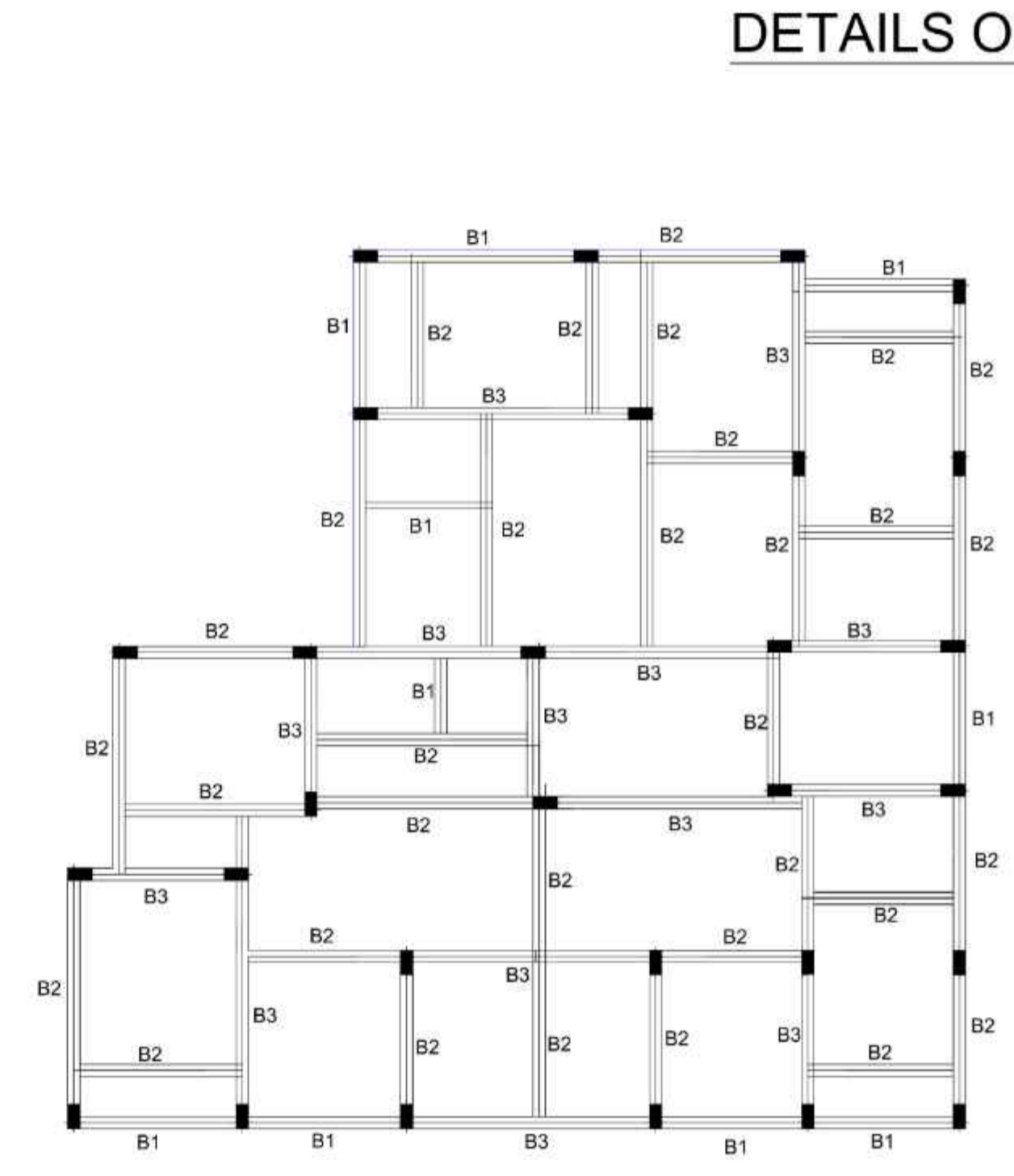
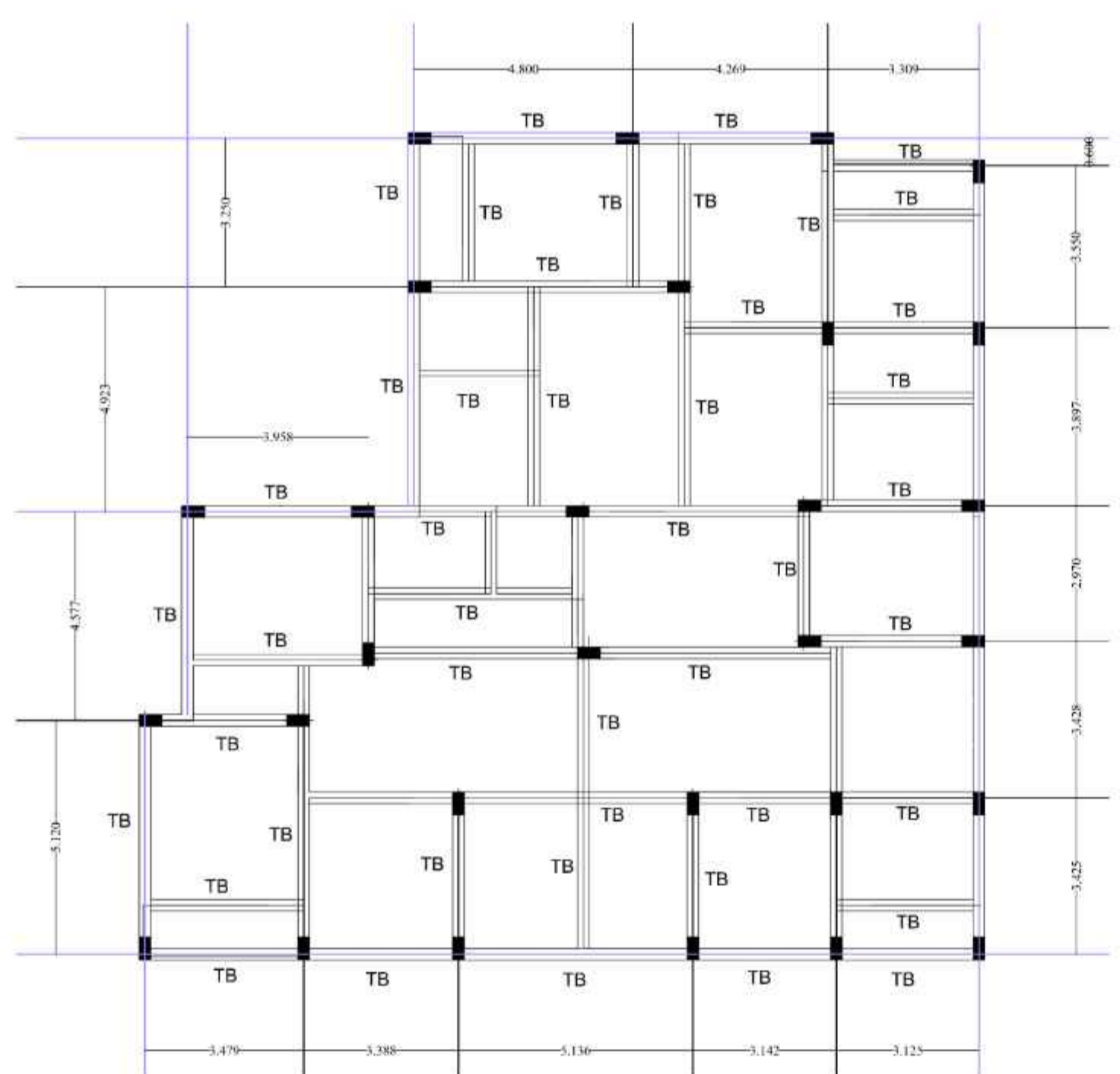
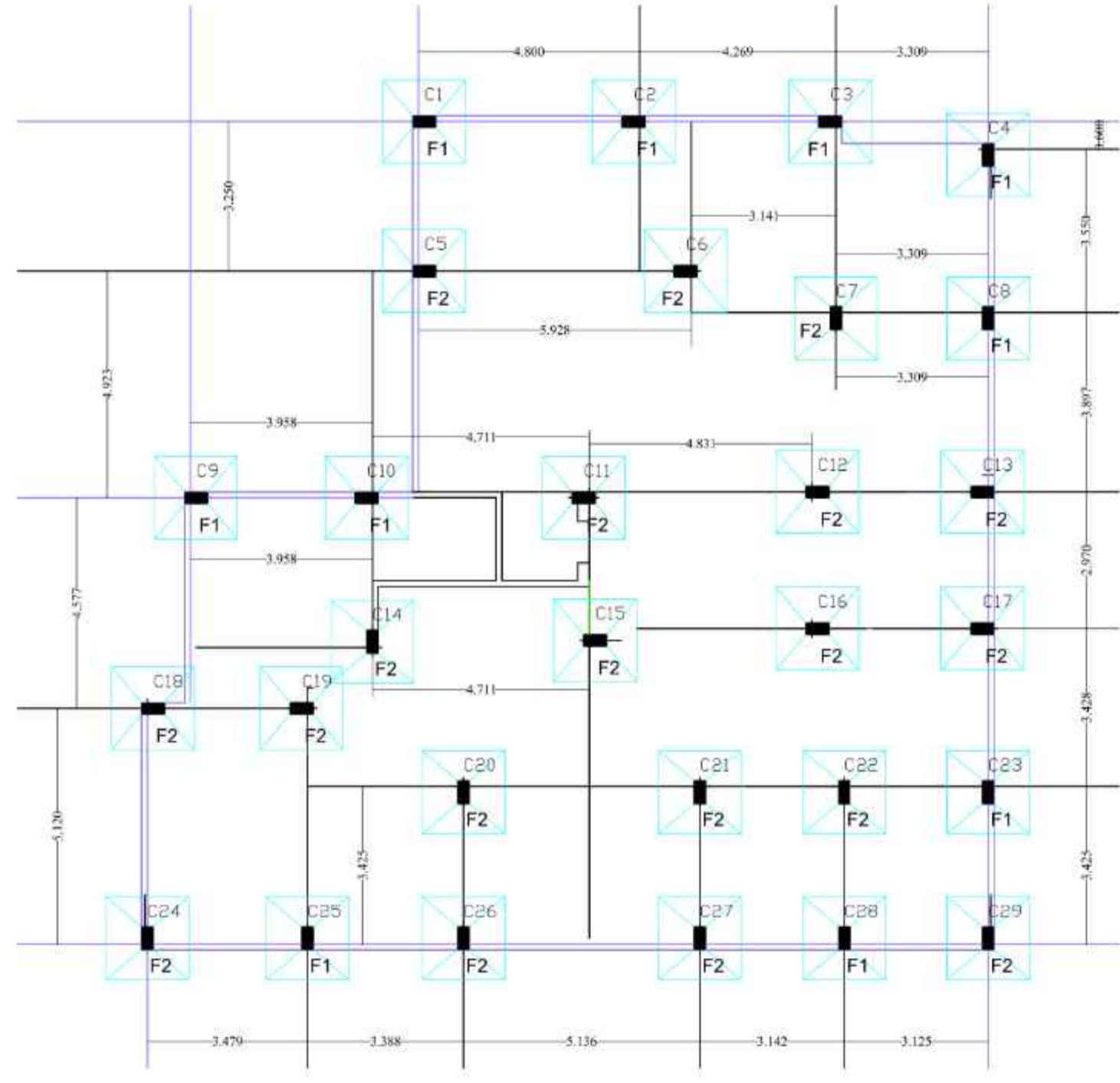
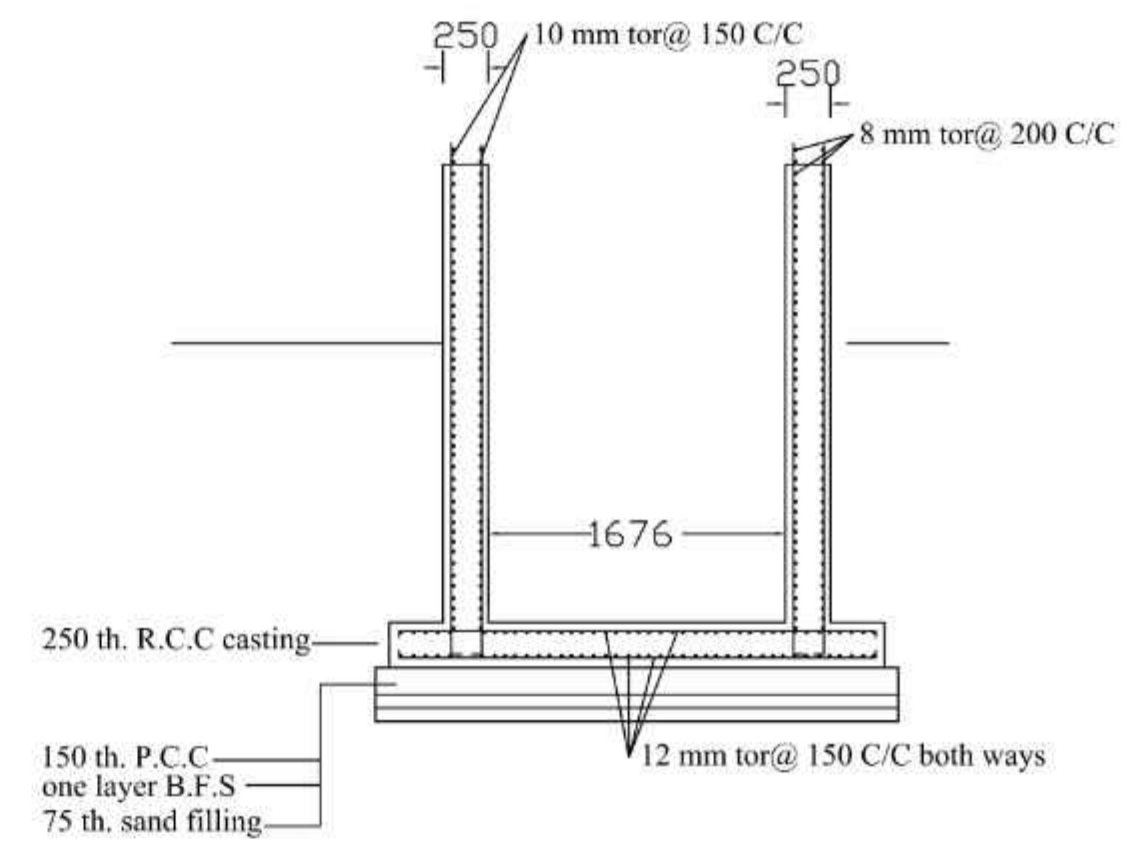
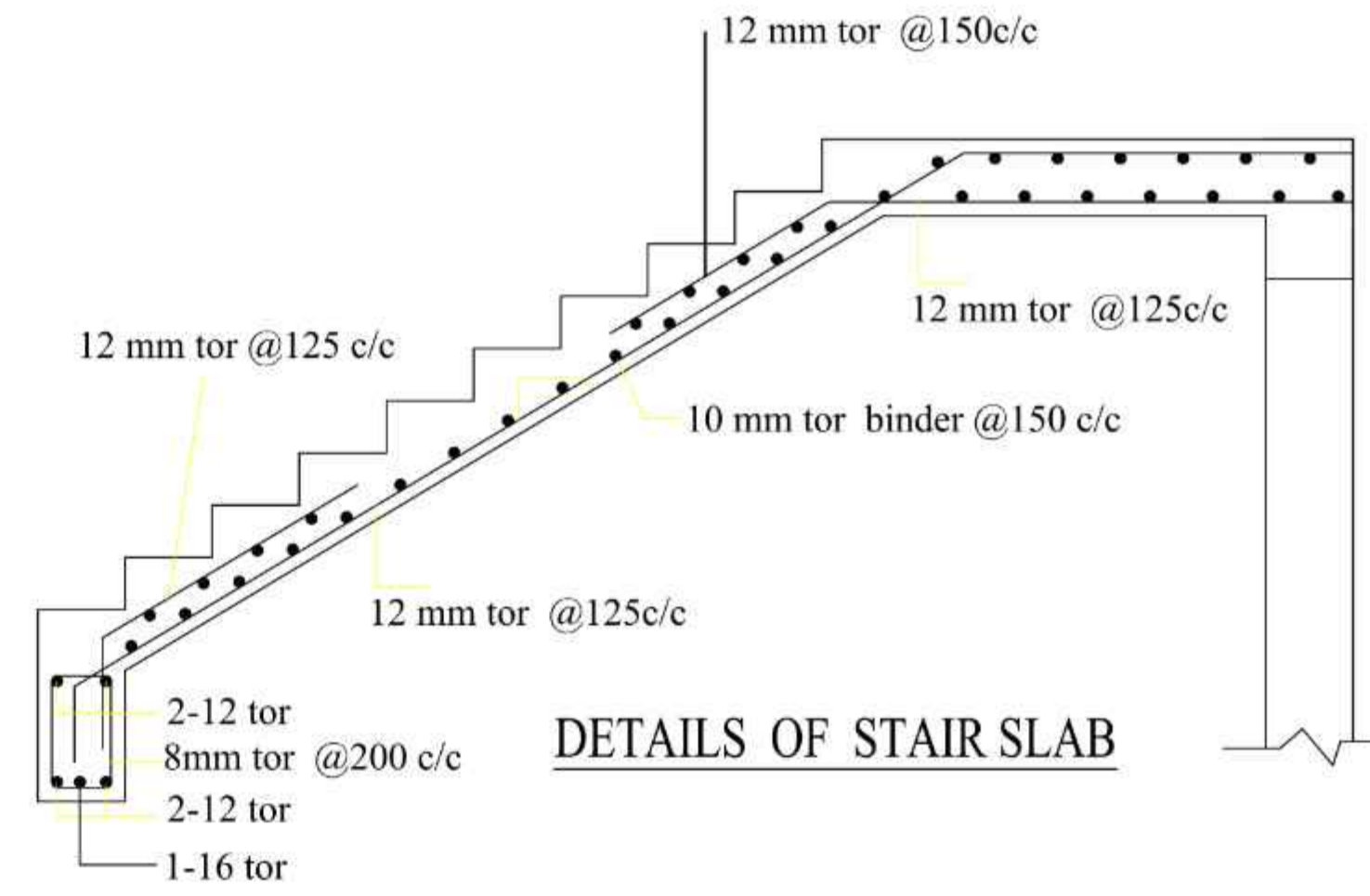
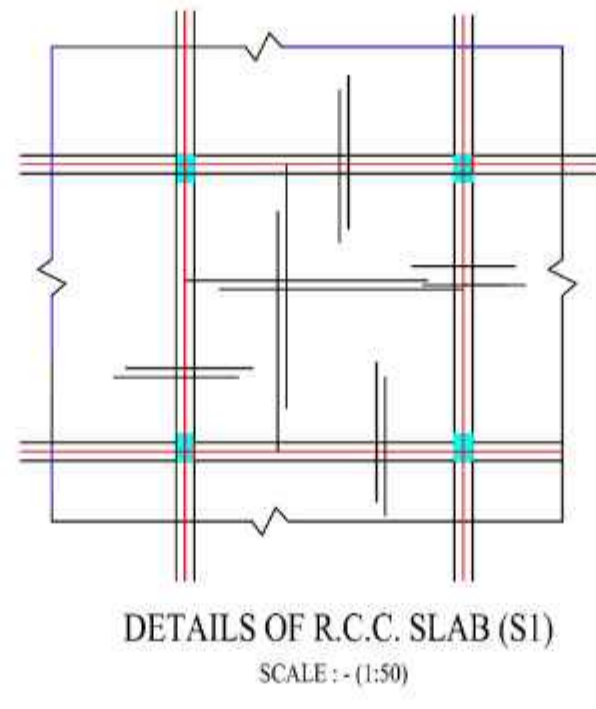
TIE BEAM MARKED	TIE BEAM SIZE	REINFORCEMENT		STIRUPS
		TOP	BOT	
TB	250 x 400	3-16 tor all through	3-16 tor all through	8 mm @ 150 c/c

**SCHEDULE OF R.C.C. COLUMNS.( M-20 )**

FOOTING MARKED	COLUMN MARKED	COLUMN SIZE(mm)	BASEMENT TO 4TH. FLOOR	STIRUPS
F1	C1,C2,C3,C4,C8,C9 C10,C23,C25,C28	250 x 500	10-20 tor	8 mm 125 c/c
F2	C5,C6,C7,C11,C12,C13 C14,C15,C16,C17,C18, C19,C20,C21,C22,C24 C26,C27,C29	250 x 500	4-20 tor + 6-16 tor	8 mm 125 c/c

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

FOOTING MARKED	EARTH CUTTING	FOOTING SIZE(mm)	DEPTH		REINFORCEMENT BOTH WAYS	COVER
			a	b		
F1	2000 x 2000	1850 x 1850	250	300	Top-12 mm tor @ 150 c/c(B/W) Bot-12 mm tor @ 150 c/c(B/W)	50mm
F2	2100 x 2100	2000 x 2000	300	350	Top-12 mm tor @ 150 c/c(B/W) Bot-12 mm tor @ 150 c/c(B/W)	50mm



**NOTE :-**

1. ALL DIMENSINOS ARE IN MM.
2. GRADE OF CONCRETE SHALL BE M-20
3. GRADE OF STEEL SHALL BE Fe-500
4. CLEAR COVER FOR RE-INFORCMENT :-
  - a) BEAM :- 25 mm
  - b) COLUMN :- 40 mm
  - c) SLAB :- 20 mm
  - d) STAIR :- 20 mm
  - e) FOUNDATION SLAB :- 50 mm
  - f) FOUNDATION BEAM :- 50 mm
  - g) LIFT WALL :- 20 mm
  - h) RETAINING WALL :- 20mm
5. MINIMUM LAP LENGTH SHALL BE 50 D OF BARS AND LAPS SHALL BE SUITABLY STAGGERED.
6. ALL 'L' BENDS OF RE-INFORCMENT ARE 300 mm. BEARING CAPACITY OF SOIL IS CONSIDERED AS PER SOIL TEST REPORT.

**ENGINEER'S SIGNATURE**

THE SITE HAS BEEN INSPECTED BY ME PERSONALLY AND THE STRUCTURAL DESIGN INCLUDING THAT OF FOUNDATION HAS BEEN MADE ON THE BASIS OF RECOMENDATION, FINDINGS, OF GEO-TECHNICAL ENGINEERS.

SIBASISH CHATTOPADHYAY  
B.E. CIVIL, MIE, FIV  
CHATTERJEE & ASSOCI

**CONSULTANT:-**  
**CHATTERJEE & ASSOCI**

PLANNER, ESTIMATOR, STRUCTURAL DESIGNER, GOVT. V. PROJECT CONSULTANT.

