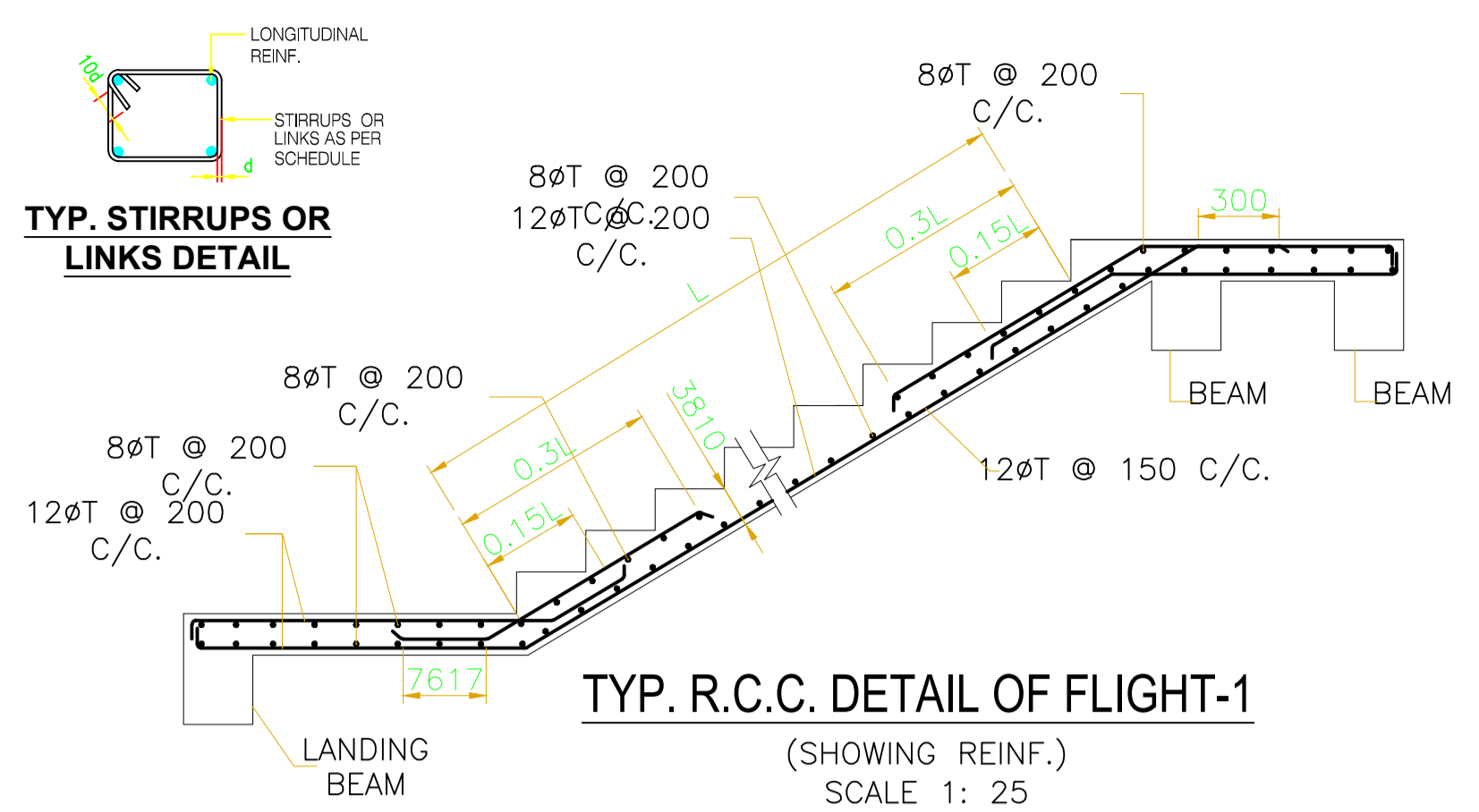


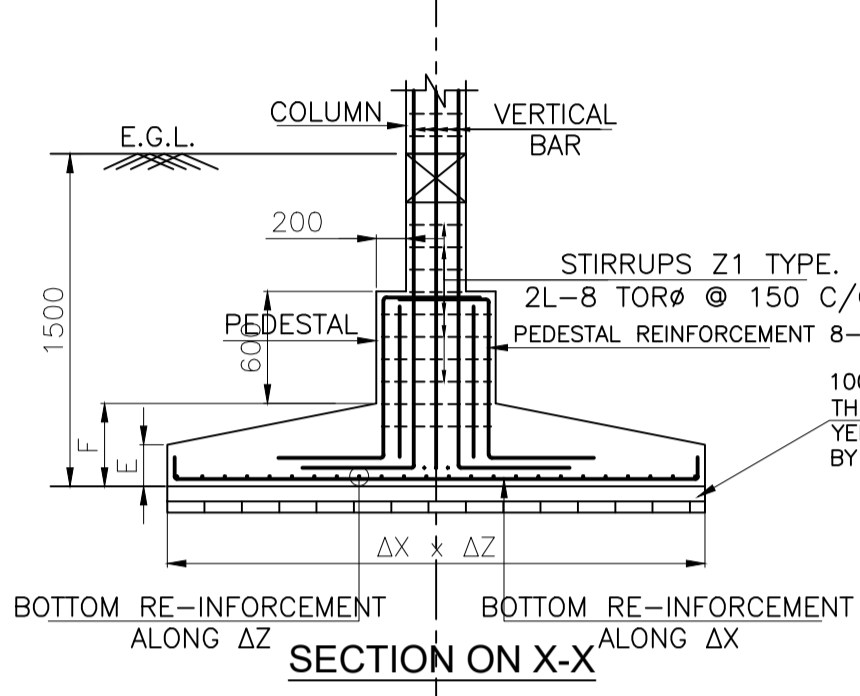
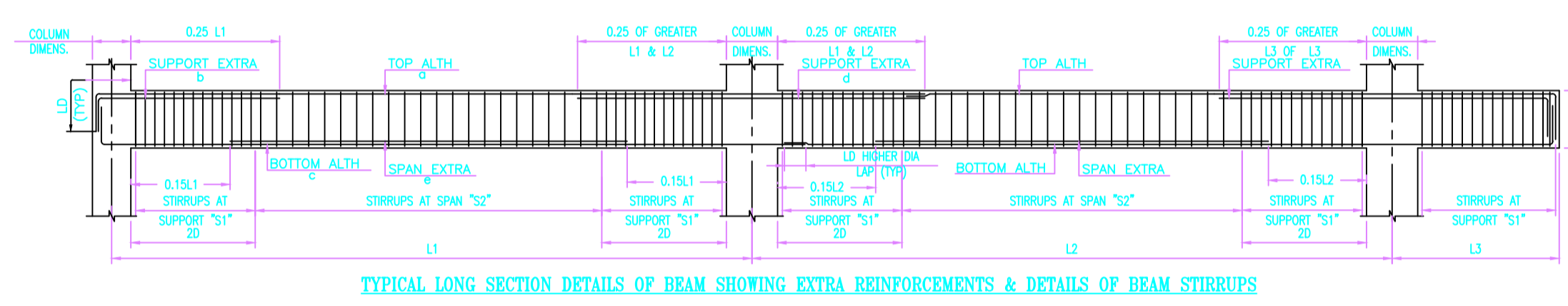
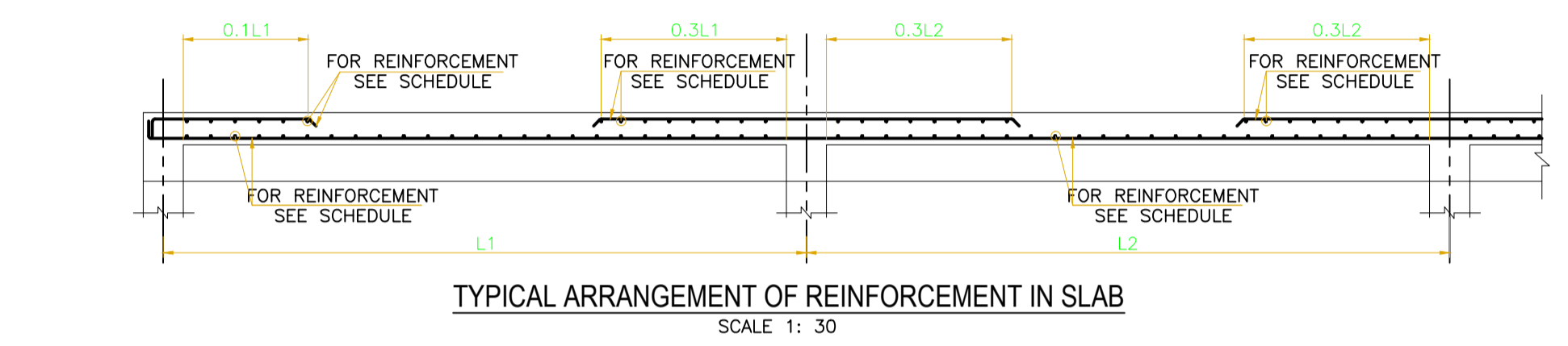
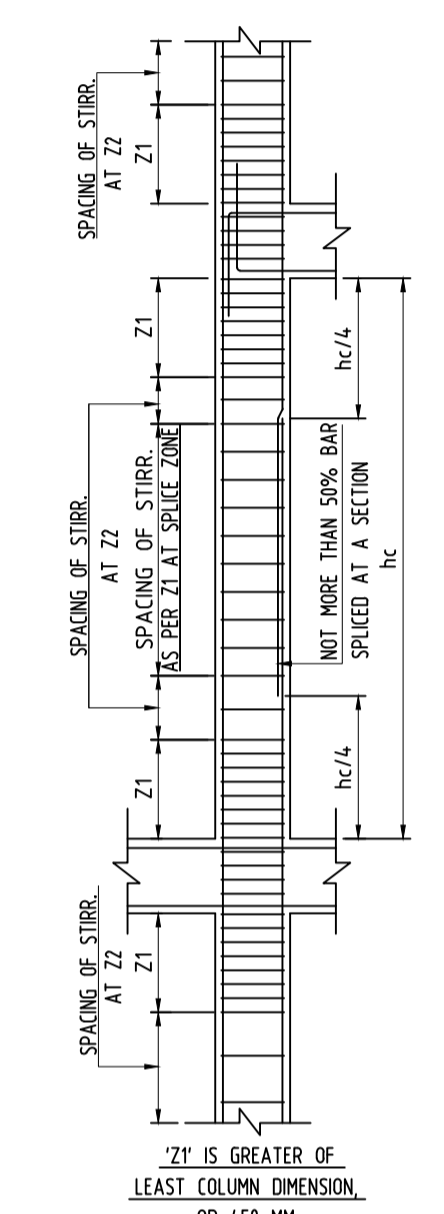
BEAM SCHEDULE (1ST TO 4TH FLOOR LEVEL)									
Beam Mkd	Size	Main Reinforcement					Shear reinforcement		
		All through		Extra		Contd	at Support		at span
		Top	Bottom	Span	End support		Top	Bottom	
FB1	250 x 500	3-16	3-16	3-16	3-16	3-16	8 @ 150 c/c	8 @ 250 c/c	
FB2	250 x 500	3-16	3-16	3-16	3-16	3-20	8 @ 125 c/c	8 @ 225 c/c	
FB3	250 x 500	3-20	3-20	2-16	2-20	2-20	8 @ 125 c/c	8 @ 225 c/c	
FB4	250 x 500	3-16	3-16	2-16	2-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
FB5	250 x 500	3-20	3-20	2-20	3-16	2-20	8 @ 125 c/c	8 @ 225 c/c	
FB6	250 x 500	3-16	3-16	2-16	3-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
FB7	250 x 500	3-20	3-20	2-20	3-20	2-20	8 @ 125 c/c	8 @ 225 c/c	
FB8	250 x 500	2-16	2-16	2-12	2-12		8 @ 150 c/c	8 @ 250 c/c	
FB9	250 x 500	3-16	3-16	2-16	2-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
FB10	250 x 500	3-16	3-16	3-16	3-16	3-16	8 @ 150 c/c	8 @ 250 c/c	
FB11	250 x 500	3-20	3-20	2-20	3-20	3-20	8 @ 150 c/c	8 @ 250 c/c	
FB12	250 x 500	3-16	3-16	2-20	2-20	2-20	8 @ 150 c/c	8 @ 250 c/c	
FB13	250 x 500	3-16	3-16	2-16	2-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
FB14	250 x 500	3-20	3-20	2-20	3-20	2-20	8 @ 150 c/c	8 @ 250 c/c	
FB15	250 x 500	3-20	3-20	2-20	3-20	2-20	8 @ 150 c/c	8 @ 250 c/c	
FB16	250 x 500	3-16	3-16	2-16	3-16	2-20	8 @ 150 c/c	8 @ 250 c/c	
FB17	250 x 500	2-16	2-16	2-16	3-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
FB18	250 x 500	3-16	3-16	2-12	2-12		8 @ 150 c/c	8 @ 250 c/c	

FOOTING SCHEDULE									
FOOTING Mkd.	FOOTING SIZE						REINFORCEMENT		
	ΔX	ΔZ	C	D	E	F	ALONG LONGER SIDE	ALONG SHORTER SIDE	
F1 (C1, C2, C3, C4, C5, C7, C20, C21, C22, C23)	1800	1800	600	500	200	375	10 Φ @ 170 c/c	10 Φ @ 200 c/c	
F2 (C6, C8, C11, C12, C15, C16, C19)	2000	2000	600	500	225	425	12 Φ @ 170 c/c	12 Φ @ 200 c/c	
F3 (C9, C10, C13, C14, C17, C18)	2100	2100	600	500	250	450	12 Φ @ 170 c/c	12 Φ @ 200 c/c	



SCHEDULE OF SLAB						
SLAB MKD.	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION		DISTRIBUTOR
		AT SUPPORT	AT SPAN	AT SUPPORT	AT SPAN	
S1	125	8ΦT @ 125 C/C	8ΦT @ 125 C/C	8ΦT @ 125 C/C	8ΦT @ 125 C/C	8ΦT @ 200 C/C IF REQUIRED
S2	110	8ΦT @ 100 C/C	8ΦT @ 100 C/C	8ΦT @ 150 C/C	8ΦT @ 150 C/C	8ΦT @ 200 C/C IF REQUIRED
S3	150	8ΦT @ 100 C/C	8ΦT @ 100 C/C	8ΦT @ 125 C/C	8ΦT @ 125 C/C	8ΦT @ 200 C/C IF REQUIRED

TIE BEAM SCHEDULE (GROUND LEVEL)									
Beam Mkd	Size	Main Reinforcement					Shear reinforcement		
		All through		Extra		Contd	at Support		at span
		Top	Bottom	Span	End		Top	Bottom	
TB1	250 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 150 c/c	8 @ 250 c/c	
TB2	251 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 125 c/c	8 @ 225 c/c	
TB3	252 x 450	3-16	3-16	2-12	2-12	2-16	8 @ 125 c/c	8 @ 225 c/c	
TB4	253 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
TB5	254 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
TB6	255 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
TB7	256 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 125 c/c	8 @ 225 c/c	
TB8	257 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
TB9	258 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 150 c/c	8 @ 250 c/c	
TB10	259 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 150 c/c	8 @ 250 c/c	
TB11	260 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 150 c/c	8 @ 250 c/c	
TB12	261 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
TB13	262 x 450	3-16	3-16	2-16	2-16	2-16	8 @ 150 c/c	8 @ 250 c/c	
TB14	263 x 450	3-16	3-16	2-12	2-12	3-16	8 @ 150 c/c	8 @ 250 c/c	

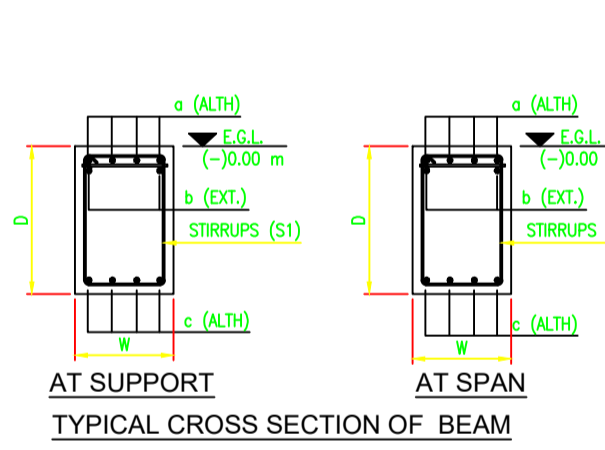
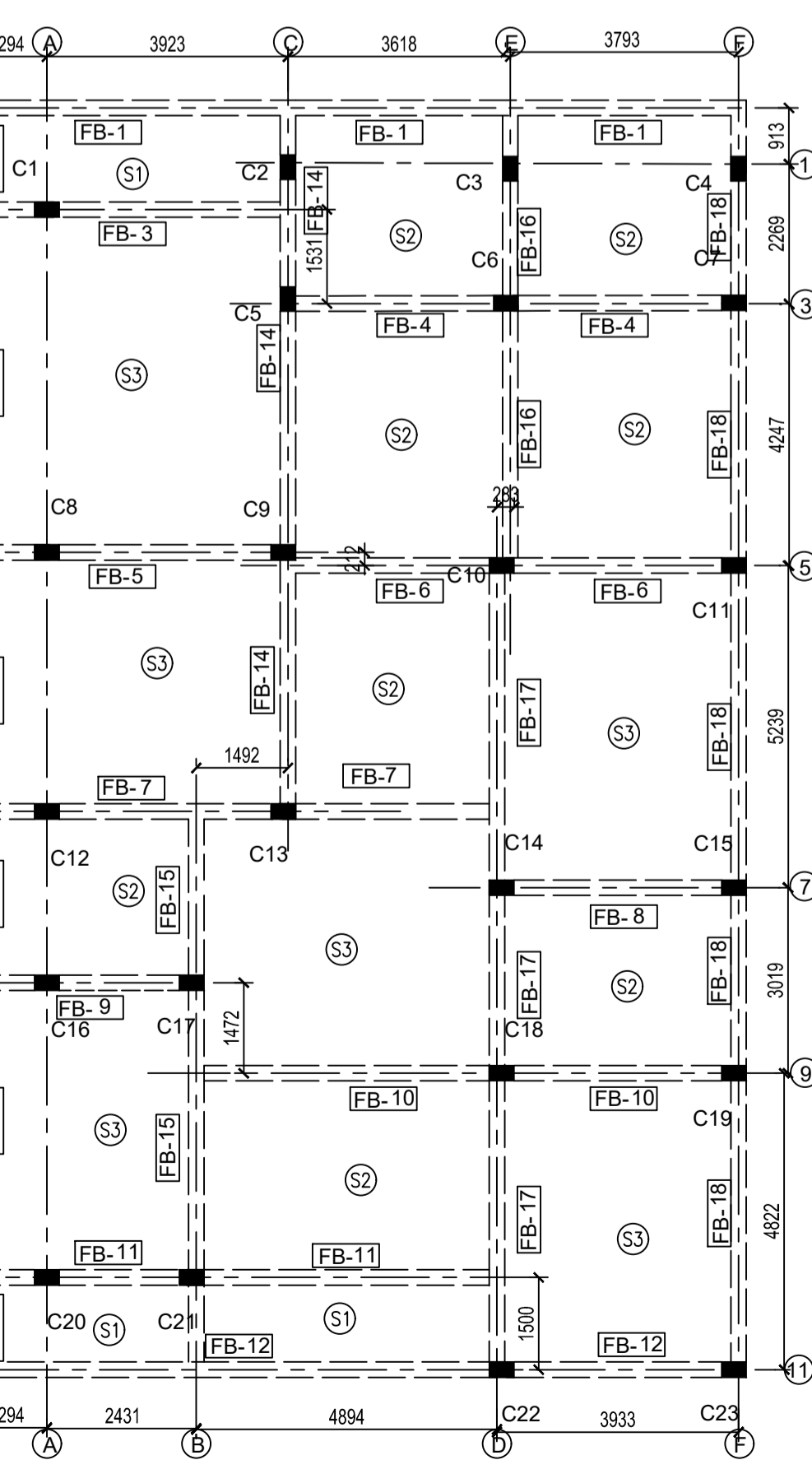
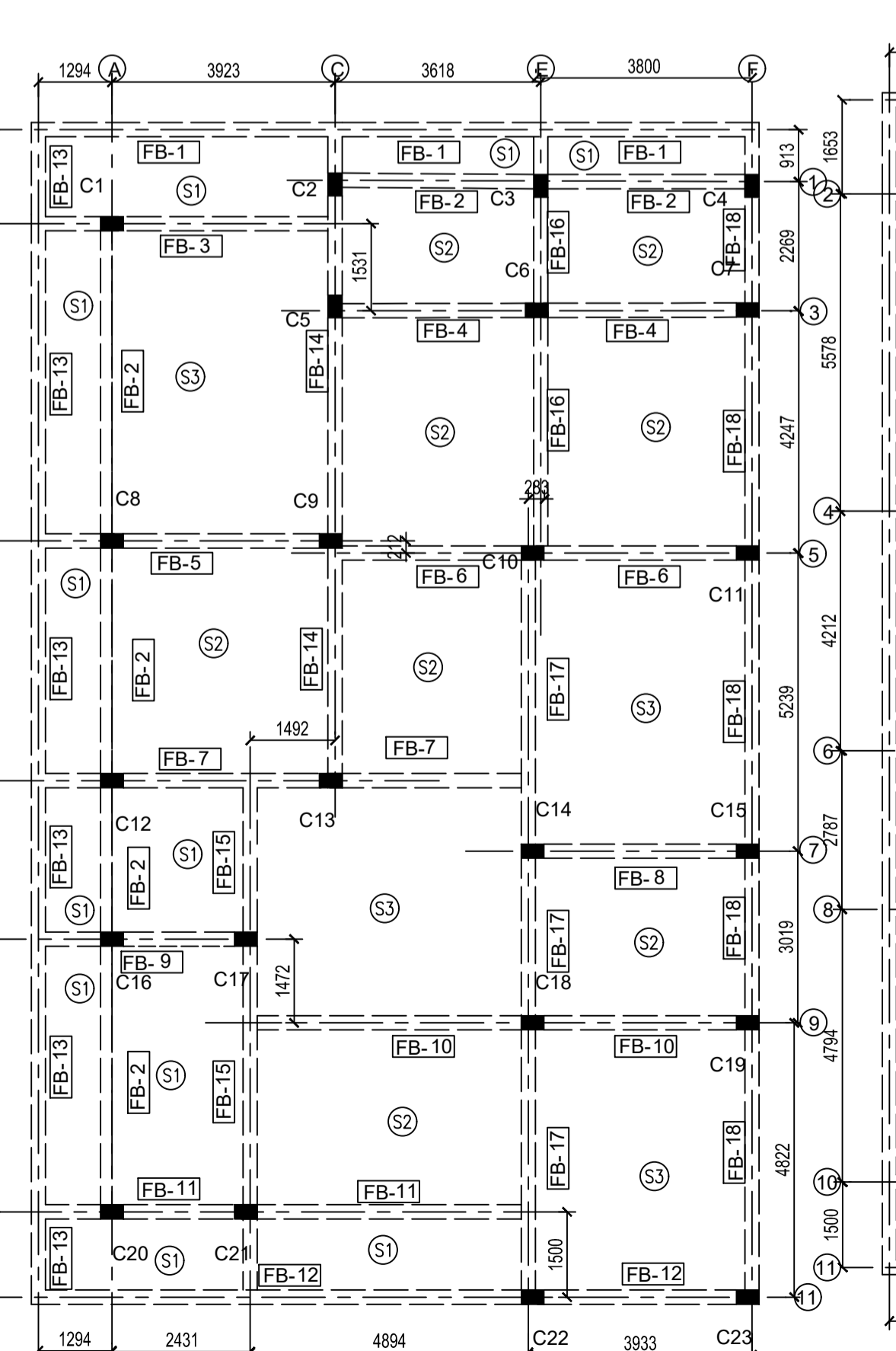
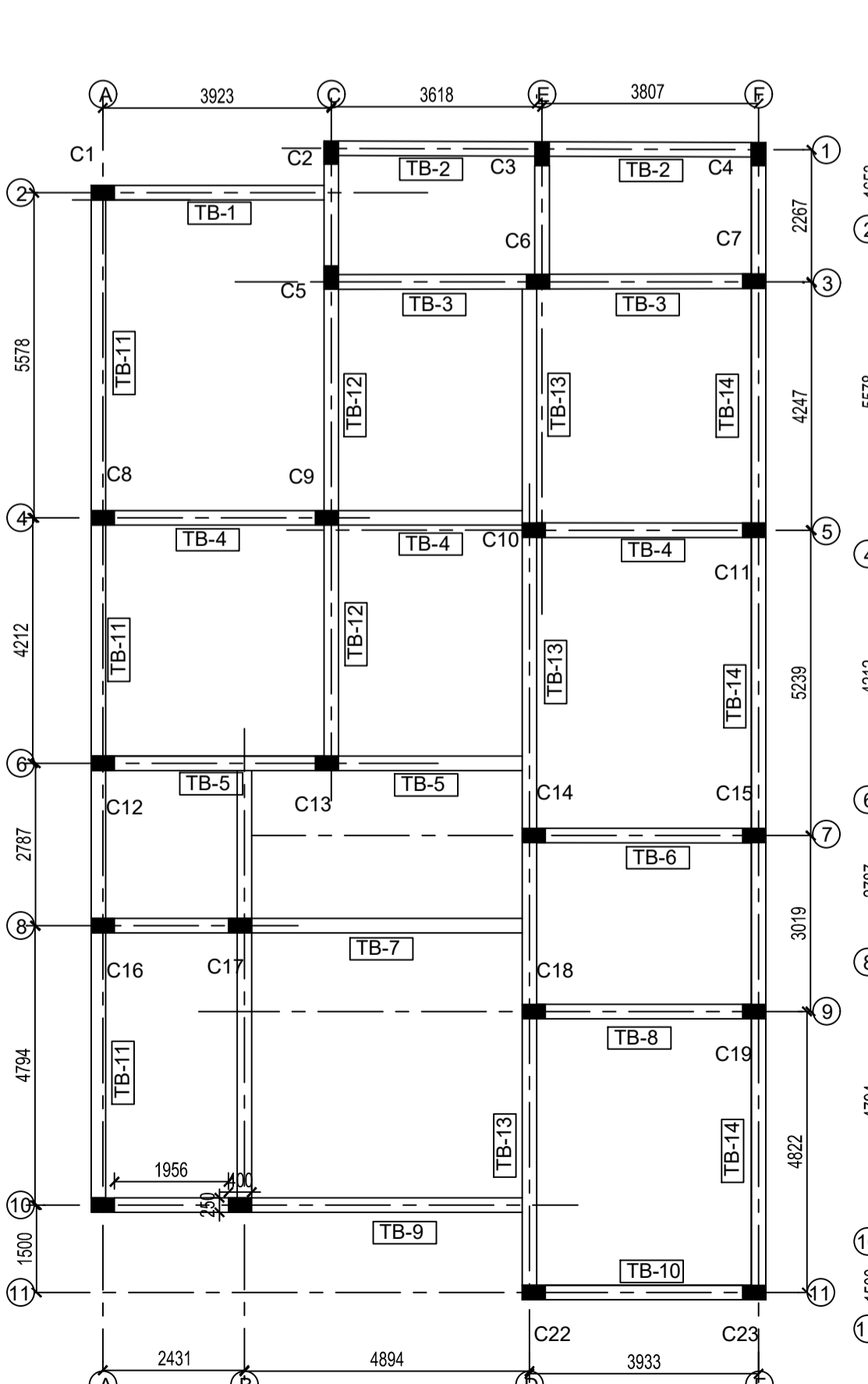
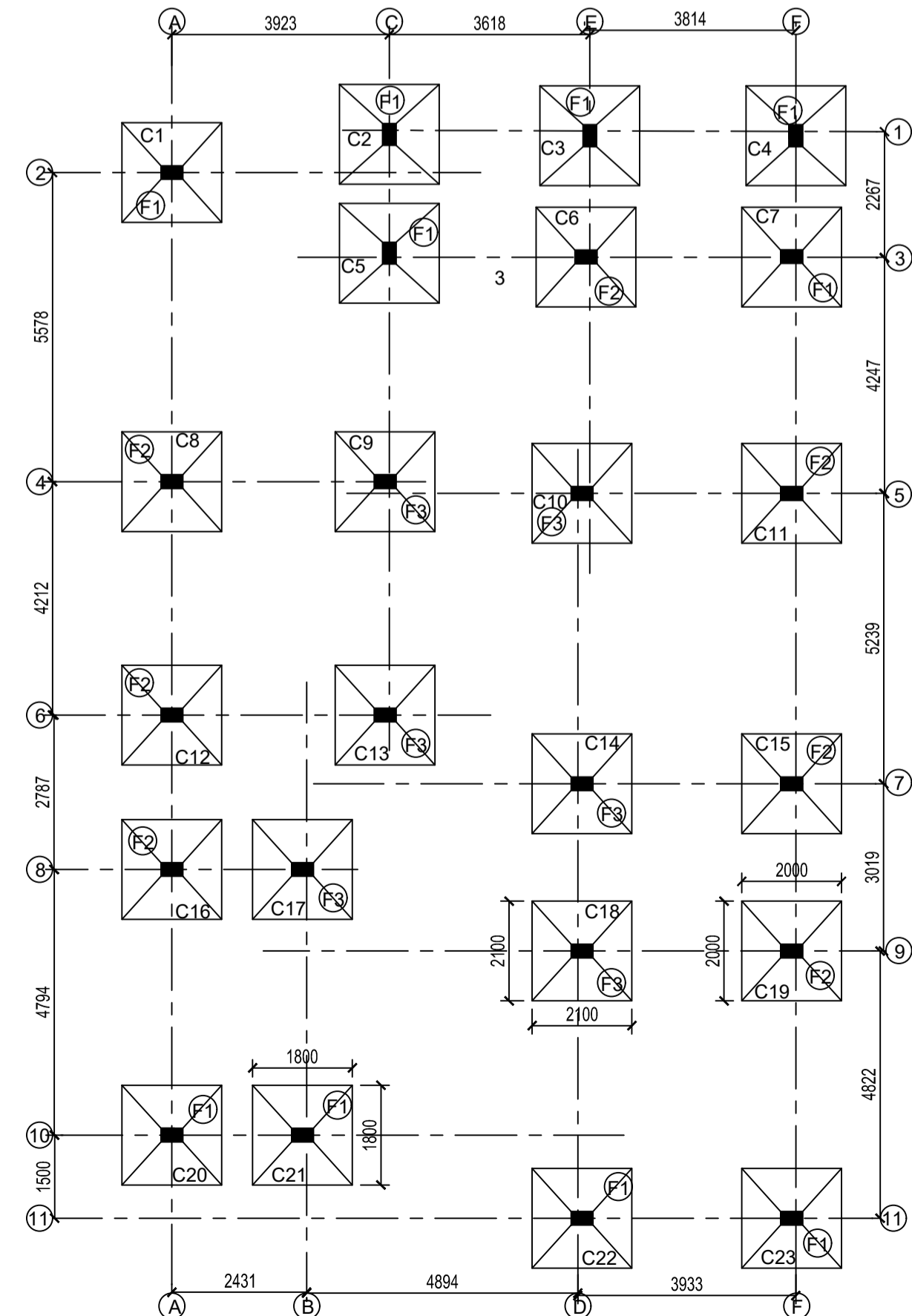


COLUMN REINFORCEMENT		
COL. MKD.	SIZE	SECTION
C6, C8 TO C19,	250x450	 4-25Φ 8Φ@150mm C/C 8Φ@150mm C/C
C1 TO C5, C7, C20 TO C23,	250x400	 4-16Φ 2-12Φ 8Φ@200mm C/C

SIGNATURE OF L.B.S.

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF OWNER



- NOTE:**
- 1). ALL DIMENSIONS & LEVELS ARE IN MM. OTHERWISE MENTIONED
  - 2). ALL R.C.C. WORK SHALL PREFERABLY BE OF M25 GRADE FOR SUB-STRUCTURE & M20 FOR SUPER STRUCTURE.
  - 3). T.M.T. REINFORCEMENT BAR (YIELD STRESS FY = 500 N/MM<sup>2</sup>) SHALL CONFORM TO IS:1786.
  - 4). CLEAR COVER FOR FDN.=50MM, COLUMN=40MM, BEAM=25MM AND SLAB=20MM.
  - 5). STONE CHIPS SHALL BE 20 MM. DOWN WELL GRADED.
  - 6). ALL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS CONFORMING TO IS:1786.
  - 7). LAPS TO BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS BE LAPPED AT ANY SECTION.
  - 8). BENT LENGTH SHALL BE AS PER SP34 & IS 2502
  - 9). DEVELOPMENT LENGTH "LD" & LAP LENGTH SHALL BE TAKEN AS 50 X DIA OF THE BAR UNLESS SPECIFIED.
  - 10). ALL CONSTRUCTION WORK SHALL BE EXECUTED IN ACCORDANCE WITH RELEVANT IS CODES.
  - 11). 5-16ΦT MEANS 5 NOS BAR OF 16MM DIA. T.M.T./HYSD BAR.
  - 12). ANY DISCREPANCY IN DRG. SHOULD BE BROUGHT TO THE NOTICE OF DESIGNERS IMMEDIATELY.
  - 13). ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
  - 14). ±0.00 LEV. REFERS TO E.G.L.
  - 15). ALL 'L' BENDS OF REINFORCEMENT ARE 300mm (MIN.).
  - 16). VIBRATOR SHALL BE DONE PROPERLY COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
  - 17). THIS DRAWING SHOULD BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.

**STRUCTURAL PLAN FOR PROPOSED THREE STORIED RESIDENTIAL BUILDING OF SAURAV GUTGUTIA & HARSH GUTGUTIA, BOTH S/O PRAKASH KUMAR GUTGUTIA . AT HOLDING NO.- 0030000858000M0, PLOT NO.- 343/A/1, KHATA NO.- 60/15/Ansh/1, J.L. NO.- 06, THANA NO- 06, MOUZA- DHANDRA, WARD NO- 06, UNDERJAMTARA NAGAR PANCHAYAT.**