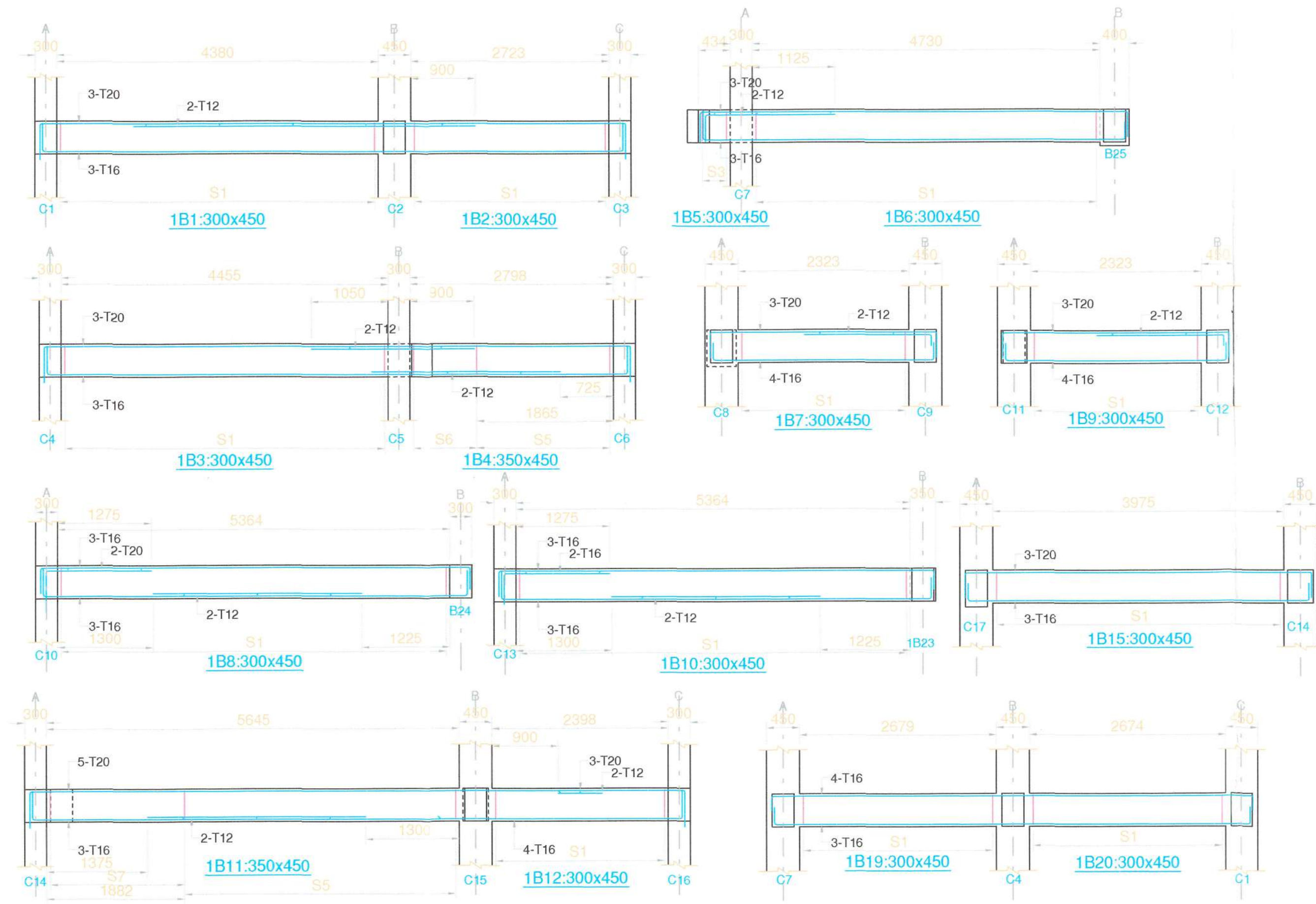


TYP. FOUNDATION, FOUNDATION BEAM & COLUMN LAYOUT

TYP. TIE BEAM, 1ST FLOOR BEAM & COLUMN LAYOUT



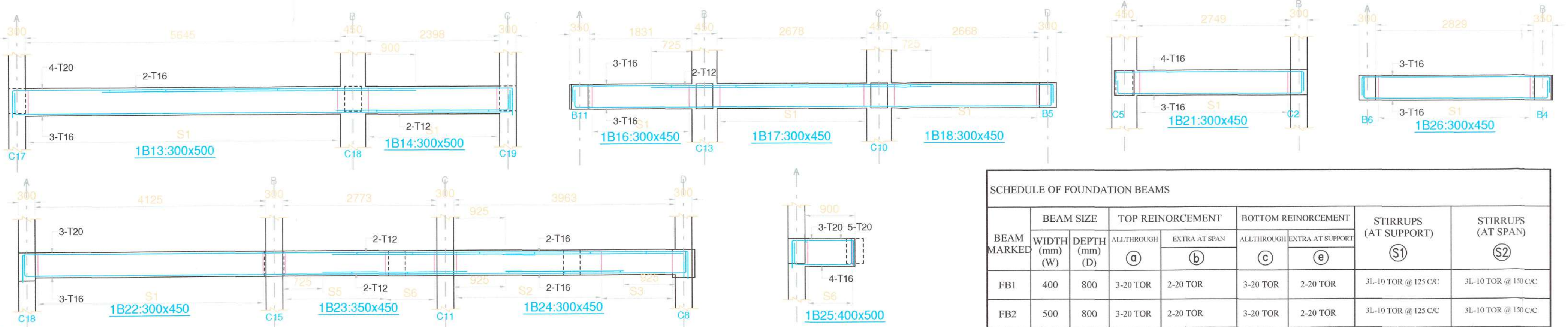
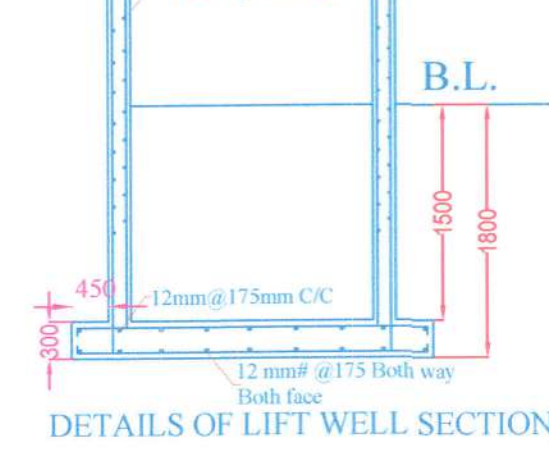
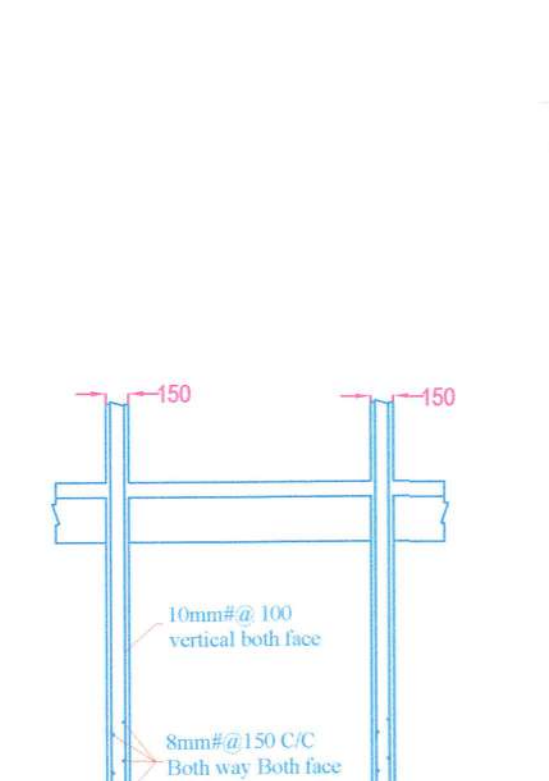
1. ALL DIMENSION ARE IN MM. UNLESS AND OTHER WISE STATED.
2. DO NOT SCALE, DRAWING WRITTEN DIMENSION SHOULD BE TAKEN.
3. ALL LOOSE SOIL BE FILLED WITH P.C.C. OF 1:4:8
4. ALL P.C.C. BELOW THE FOUNDATION SHALL BE OF 75MM THK. U.N.O. AND OF 1:4:8.
5. CONSTRUCTION SHALL BE DONE AS PER IS 456:2000
6. DUCTILE DETAILING SHALL BE DONE AS PER IS : 13920 (2016).
7. ALL HOOKS, BENDS, LAP LENGTH AND DEVELOPMENT LENGTH SHALL BE AS PER RELEVANT INDIAN STANDARD
8. LAP LENGTH SHALL BE OF 50 D. LAPPING SHALL NOT BE PROVIDED AT MAX SHEAR AND MAX MOMENT ZONE. ALSO LAPPING SHALL BE STAGGERED.
9. GRADE OF CONCRETE M 30 (MIX DESIGN)
10. GRADE OF STEEL Fe 500D
11. CLEAR COVER OF REINFORCEMENT
 - A) FOR FOUNDATION 50MM. P.BEAM 30MM
 - B) FOR COLUMN 40 MM
 - C) FOR FLOOR BEAM 25 MM
 - D) SLAB I) TOP & BOTTOM 15 MM II) END 25 MM
12. STAIR CASE TRADE-250MM, RISE-132 MM.
13. ALL WORKS ARE TO BE CARRIED OUT AS PER TECHNICAL SPECIFICATION & RELEVANT IS CODES.
14. BEARING CAPACITY OF SOIL IS CONSIDERED AS PER SOIL REPORT GIVEN BY GEOTECHNICAL ENGINEER.

THE STRUCTURAL DESIGNER IS RESPONSIBLE FOR THE DESIGN ONLY THE CONSTRUCTION. SUPERVISION FALLS OUT SIDE THE PREVIEW OF DESIGNER

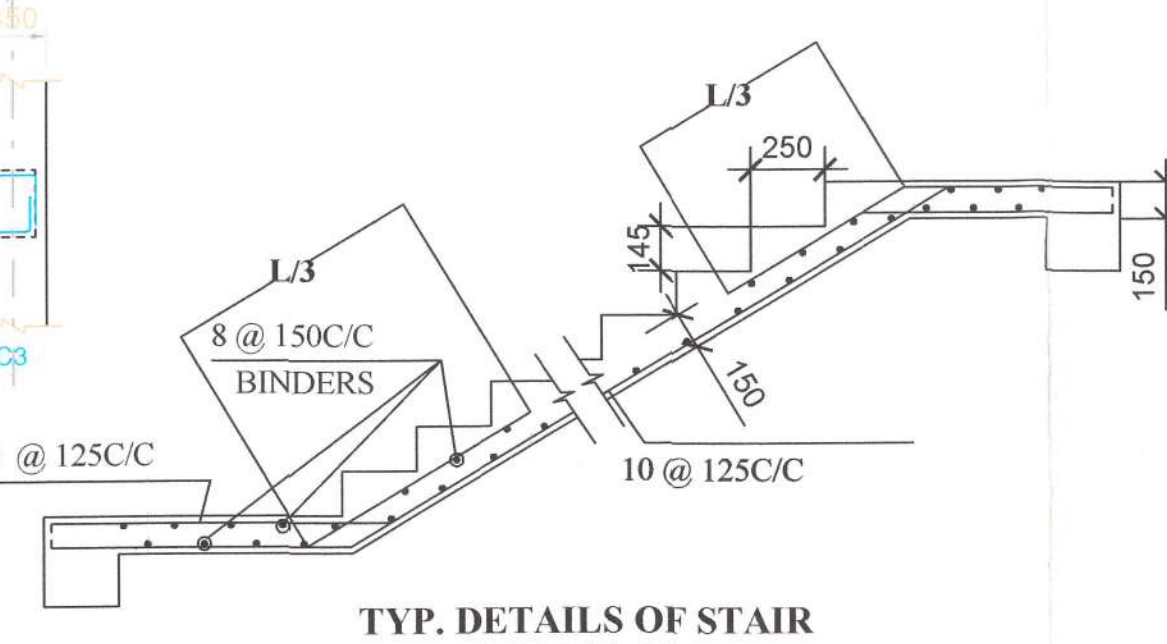
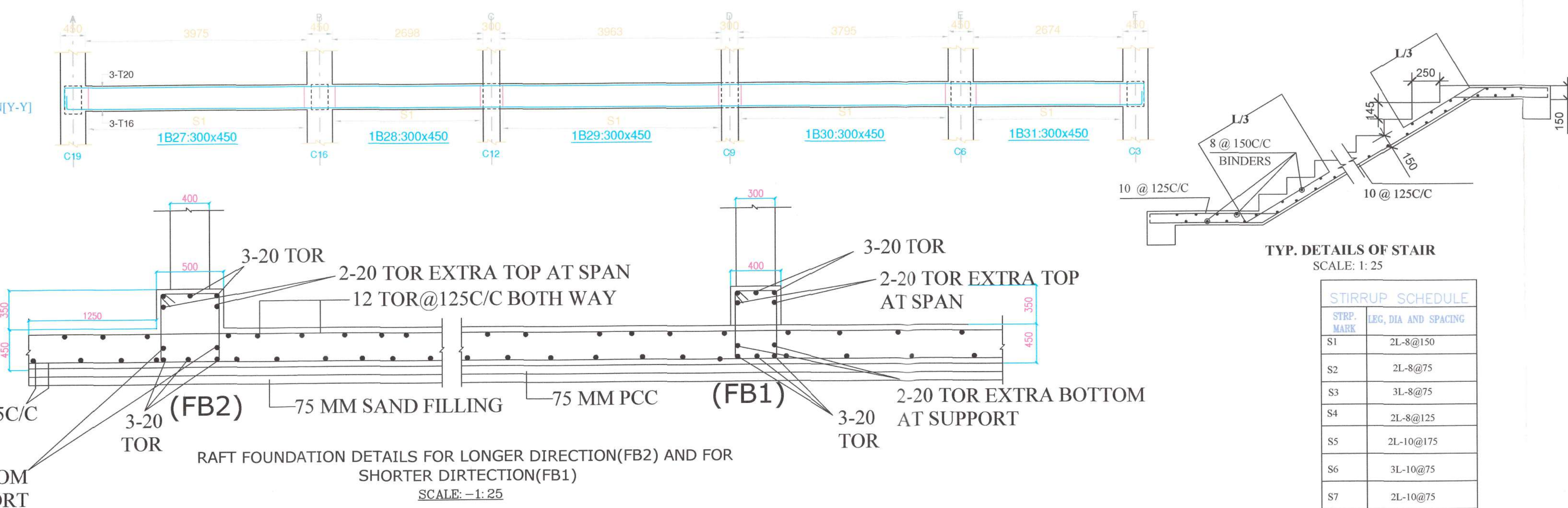
PROPOSED STRUCTURAL DRAWING OF B+G+3 STOREY COMMERCIAL CUM RESIDENTIAL BUILDING UNDER BOLPUR MUNICIPALITY OF MR. PRADIP KUMAR DUTTA, MR. SUDIP KUMAR DUTT, MRS. PRANATI DUTTA AT MOUJA:- KALIKAPUR, JL. NO.- 98, KH NO.- 1282, 1283 & 5039, PLOT NO.- 57/15000, WARD- 12, HOLDING NO:- 149/143/82 & 150/144/83/A PO+PS:- BOLPUR, DIST.- BIRBHUM, PIN.- 731204

AREA STATEMENT

AREA OF LAND AS PER DEED -	2864.87 SQ.FT. = 6.57 SATAK
	SQ.FT.
BASEMENT AREA	1780.50
GROUND FLOOR AREA	1780.50
1ST FLOOR AREA	1798.50
2ND FLOOR AREA	1798.50
3RD FLOOR AREA	1798.50
STAIR & LIFT HEAD ROOM AREA	195.00
TOTAL FLOOR AREA	8956.50

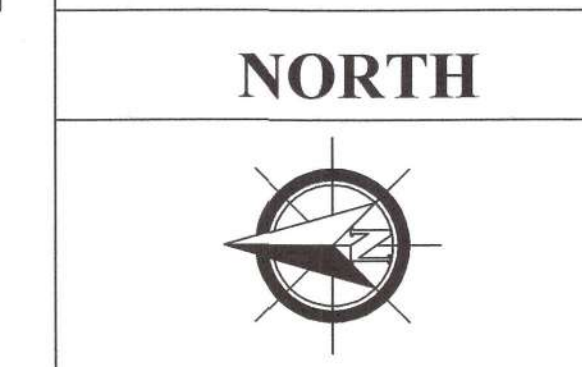


BEAM MARKER	BEAM SIZE WIDTH (mm) (W) DEPTH (mm) (D)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
		ALLTHROUGH (a)	EXTRA AT SPAN (b)	ALLTHROUGH (c)	EXTRA AT SUPPORT (e)		
FB1	400 x 800	3-20 TOR	2-20 TOR	3-20 TOR	2-20 TOR	3L-10 TOR @ 125 C/C	3L-10 TOR @ 150 C/C
FB2	500 x 800	3-20 TOR	2-20 TOR	3-20 TOR	2-20 TOR	3L-10 TOR @ 125 C/C	3L-10 TOR @ 150 C/C



STIRRUP SCHEDULE	STIRP. MARK	LEG. DIA AND SPACING
S1	2L-8@150	
S2	2L-8@75	
S3	3L-8@75	
S4	2L-8@125	
S5	2L-10@175	
S6	3L-10@75	
S7	2L-10@75	

CONSULTANT
CONCEPT ARCHITECTURAL & STRUCTURAL SOLUTION
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 CONTACT NO. +917003241922, +918116547117,



Pradip Dutta
 Sudip Kumar Dutta
 Pranati Dutta

SK JASIMUDDIN
 B.Tech (Civil), M.Tech (Structure)
 EMPANELLED STRUCTURAL ENGINEER
 ESE / II / 666 (KMA)
 BM / PW / ESE-II / 01 (2M)

SIGNATURE OF OWNER
 SCALE: 1:100, 1:50, 1:25
 SHEET 1 OF 3

SK JASIMUDDIN
 EMPANELLED STRUCTURAL ENGINEER
 KOLKATA MUNICIPAL CORPORATION
 DESIGNED BY