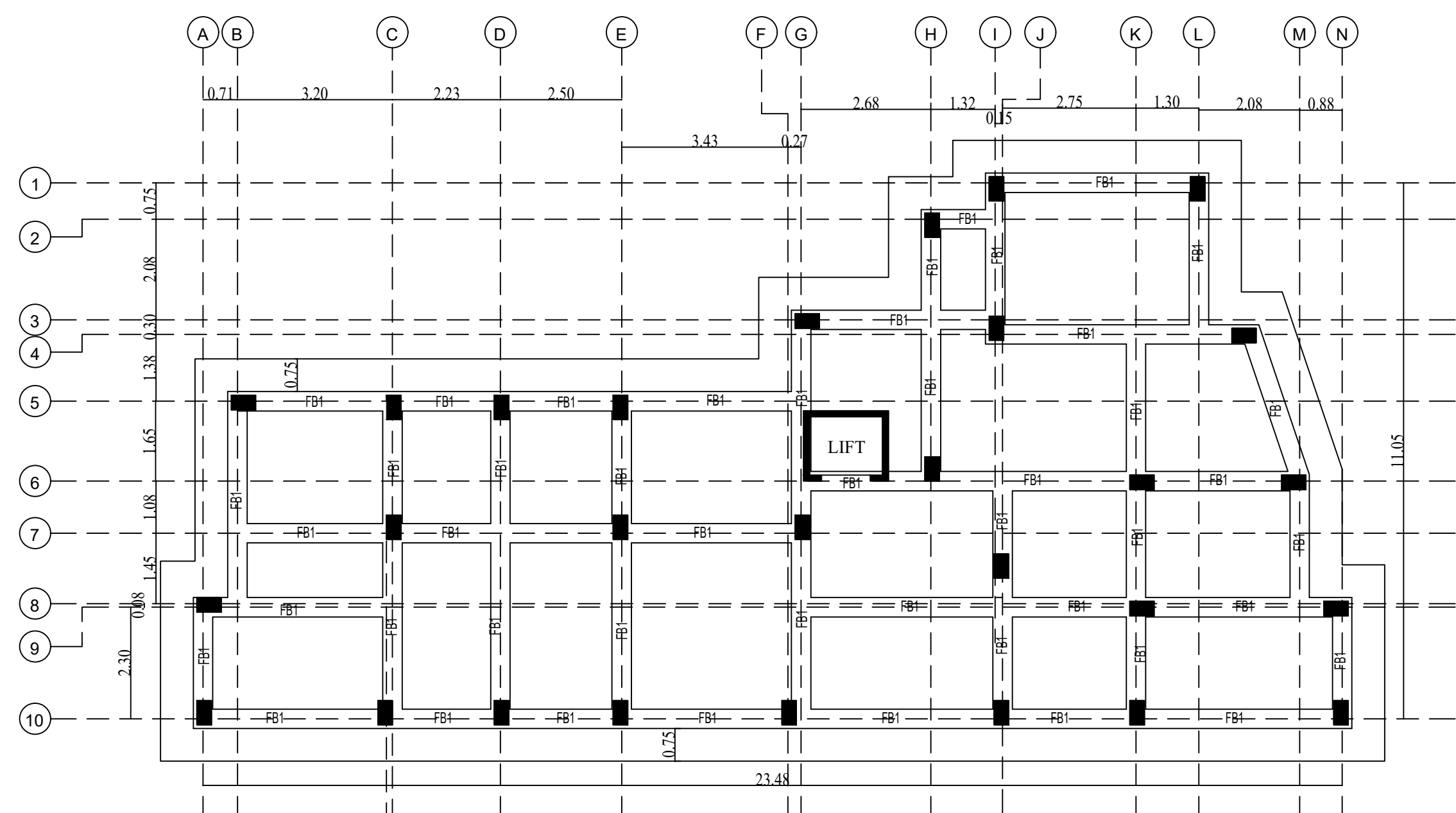
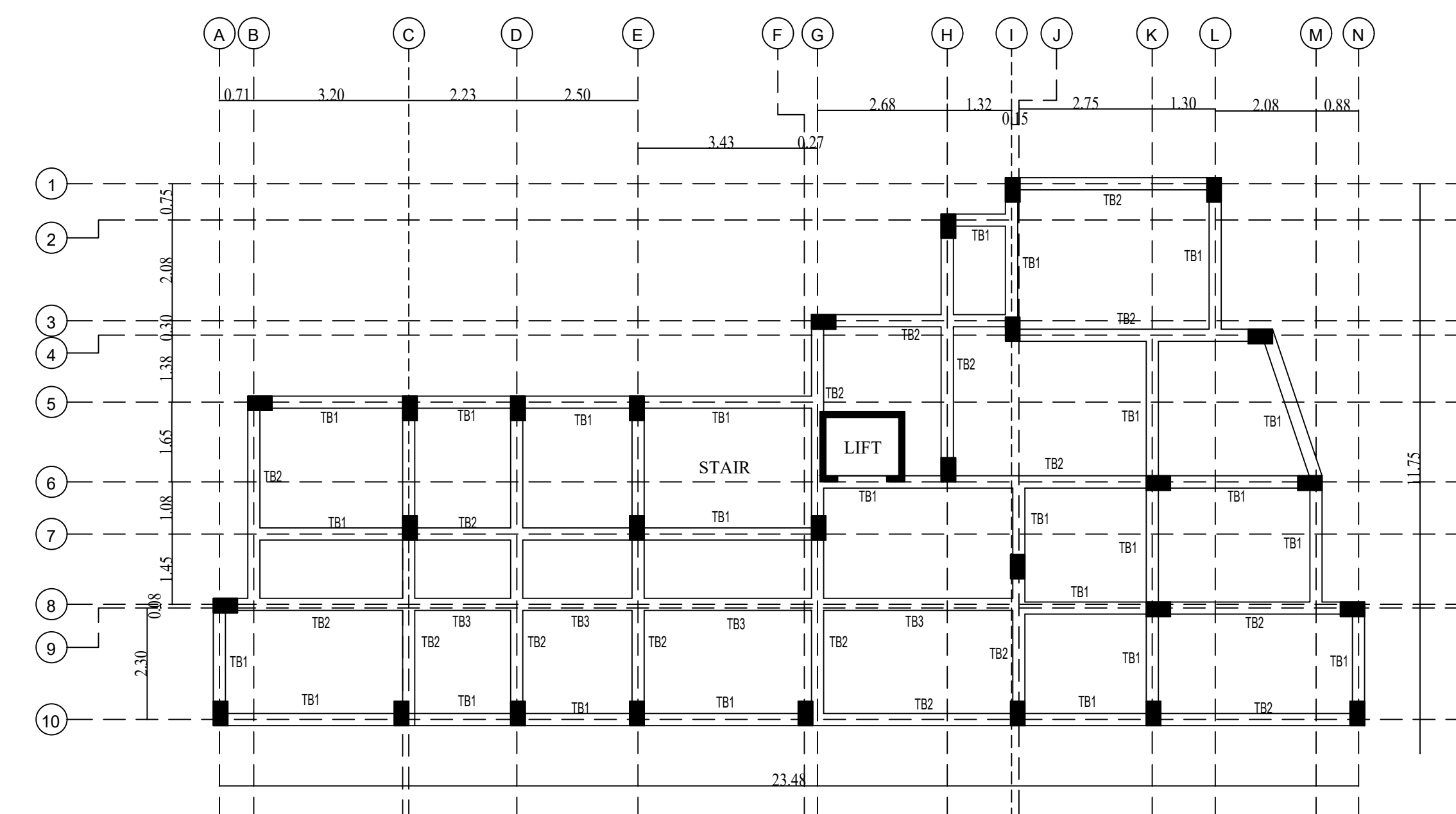
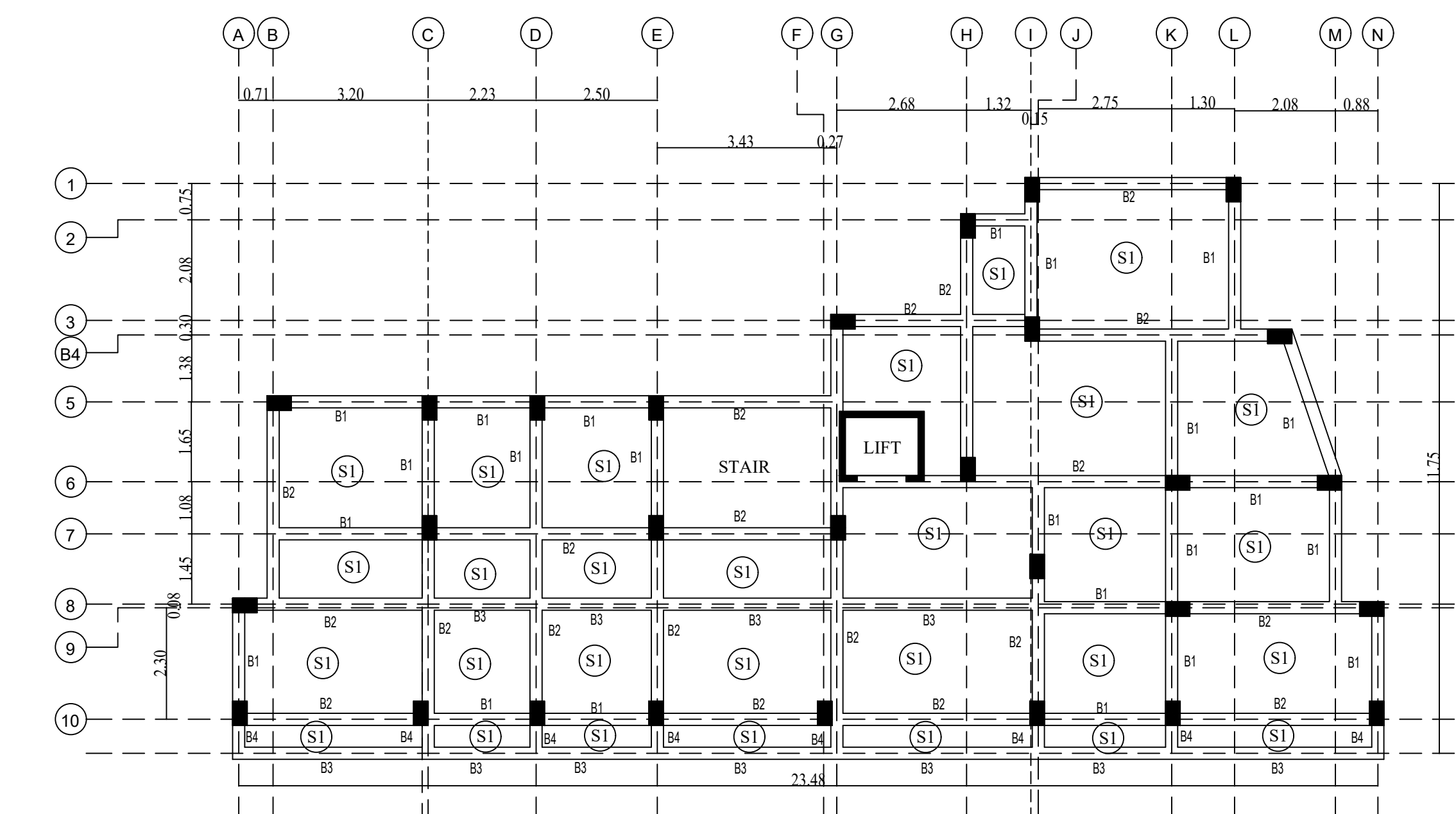




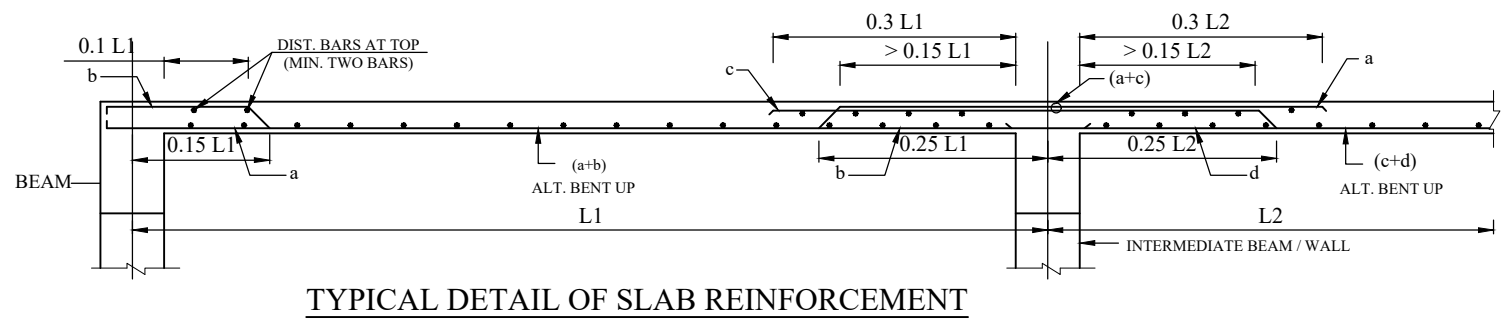
TYPICAL FOUNDATION LAYOUT PLAN



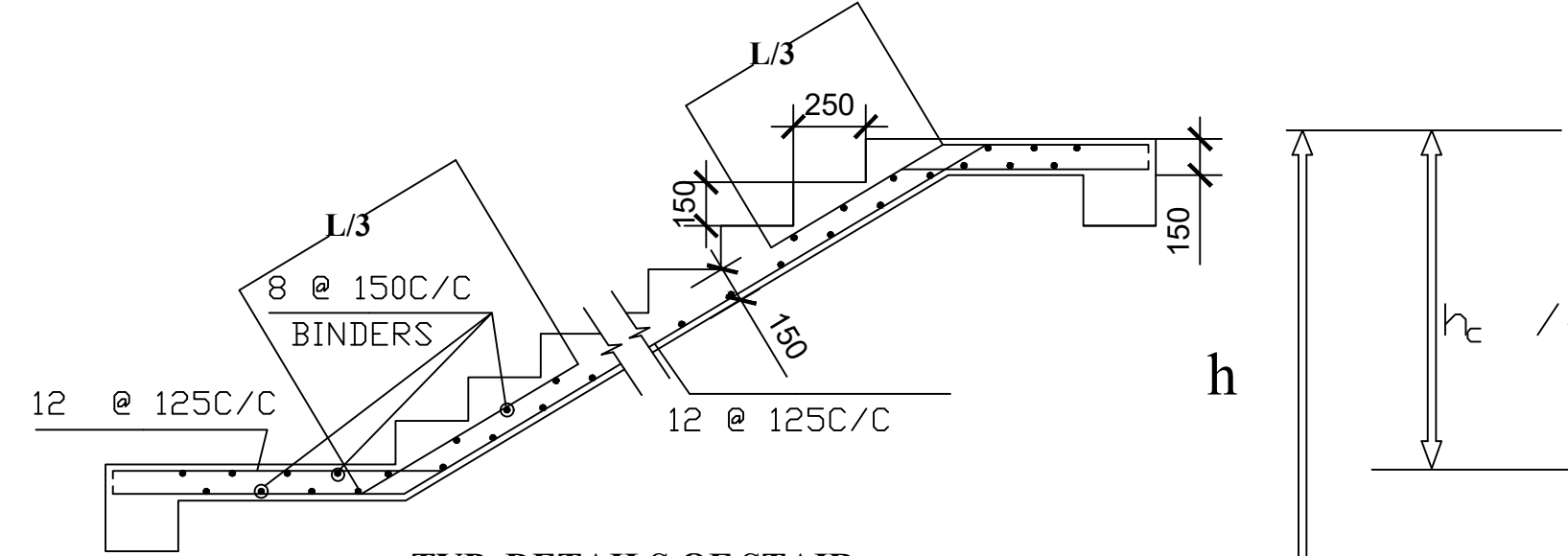
TYPICAL TIE BEAM LAYOUT PLAN



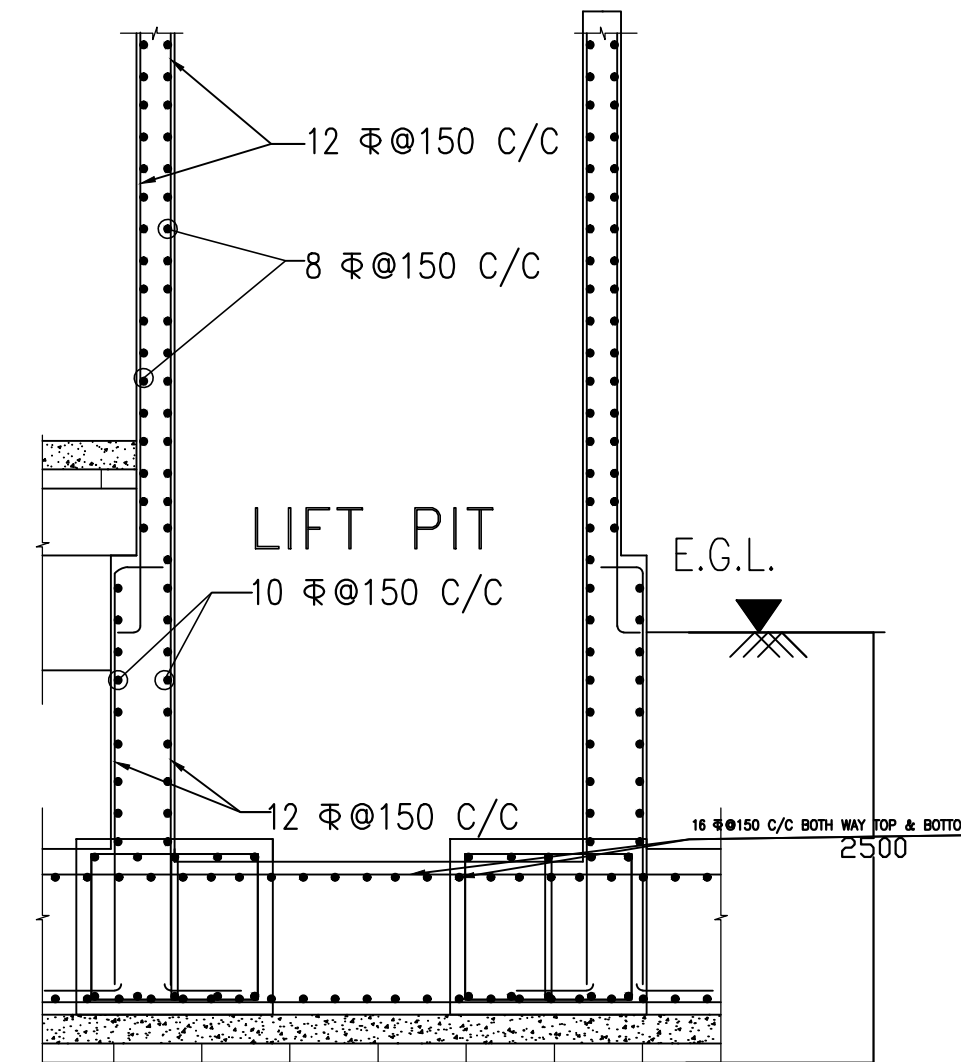
TYPICAL FLOOR BEAM & SLAB LAYOUT PLAN



TYPICAL DETAIL OF SLAB REINFORCEMENT



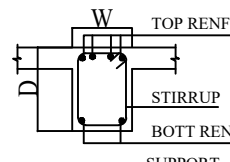
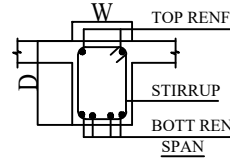
TYP. DETAILS OF STAIR
SCALE: 1: 25



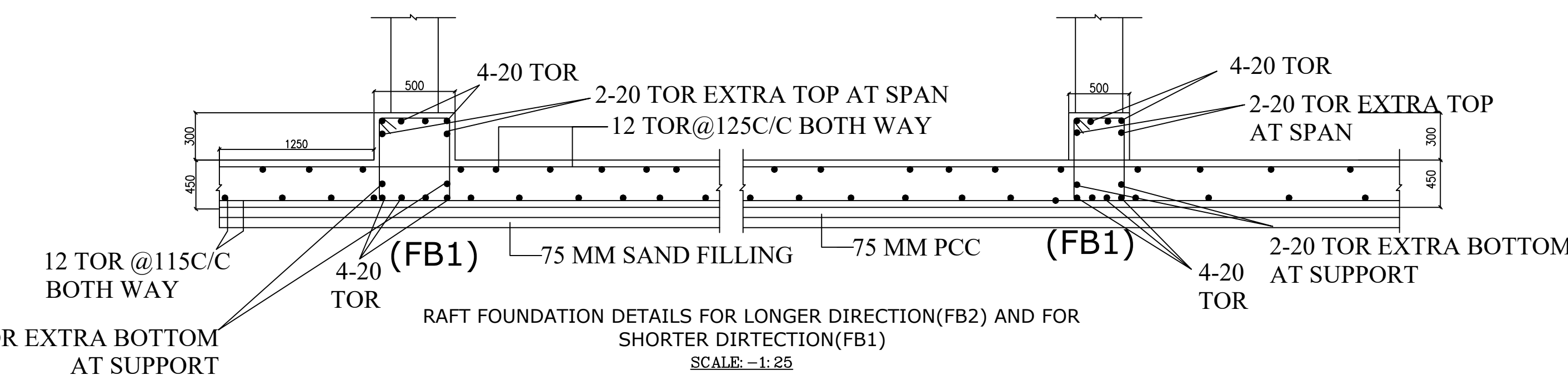
TYP. CROSS SECTION OF LIFT

SCHEDULE OF COLUMN			
COLUMN MARK	SIZE	LONGITUDINAL BAR	LATERAL TIE
C1	300X500	8-20+6-16 TOR	8TOR 4L @ 125 C/C

SCHEDULE OF RIB BEAM										
MDK	SIZE		REINFORCEMENT							
	(W)	(D)	SUPPORT				SPAN			
			1ST LAYER		2ND LAYER		STIRRUP	1ST LAYER		STIRRUP
			TOP	BOTTOM	TOP	BOTTOM		TOP	BOTTOM	
FB1	500	700	4-20 TOR	4-20 TOR		2-20 TOR	4L-10 TOR @ 125 C/C	4-20 TOR	4-20 TOR	4L-10 TOR @ 125 C/C

SCHEDULE OF ROOF & FLOOR BEAM									
MDK	SIZE		REINFORCEMENT					REMARKS CROSS SECTION	
	(W)	(D)	SUPPORT			SPAN			
			TOP	BOTTOM	STIRRUP	TOP	BOTTOM		STIRRUP
TB1	250	450	3-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR	8TOR @ 150 C/C	
TB2	250	450	3-16 TOR 2-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR 2-16 TOR	8TOR @ 150 C/C	
TB3	250	375	3-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR	8TOR @ 150 C/C	
B1	250	450	3-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR	8TOR @ 150 C/C	
B2	250	450	3-16 TOR 2-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR 2-16 TOR	8TOR @ 150 C/C	
B3	250	450	3-16 TOR	3-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR	8TOR @ 150 C/C	
B4	250	450	3-16 TOR 2-16 TOR	3-16 TOR 2-16 TOR	8TOR @ 125 C/C	3-16 TOR	3-16 TOR	8TOR @ 150 C/C	

SCHEDULE OF SLAB						
MDK	THK	REINFORCEMENT				
		ALONG SHORTER DIRECTION			ALONG LONGER DIRECTION	
		SUPPORT		SPAN	SPAN	
		TOP	BOTTOM	TOP	TOP	BOTTOM
S1	140	8 tor @ 125 C/C	8 tor @ 125 C/C	8 tor @ 125 C/C	8 tor @ 125 C/C	8 tor @ 125 C/C



SCALE: 1: 25

1. ALL DIMENSION ARE IN M. 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 20
10. GRADE OF STEEL Fe 550SD
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-150 MM.
13. ALL WORKS ARE TO BE CARRIED OUT AS PER TECHNICAL SPECIFICATION & RELEVANT IS CODES.
14. BEARING CAPACITY OF SOIL IS 10.0 T/SQM

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

PROPOSED STRUCTURAL DRAWING OF FIVE STORIED RESIDENTIAL BUILDING PLAN OF:
TARUN KUMAR MONDAL
S/O : LATE. RADHASHYAM MONDAL,
UNDER BOLPUR MUNICIPALITY.

AT
MOUZA:- BOLPUR, J.L. NO.:- 99, KHATIAN NO.:- 18104, PLOT NO.:-1001,
HOLDING NO:- AE21BOL003466, WARD NO:-05,
P.S.- BOLPUR, DIST.- BIRBHUM.

AREA STATEMENTS:
AREA OF LAND: 427.49 SQ.M.
PROPOSED LIFT M/C ROOM: 1.80 SQ.M.
BUILTUP AREA :
PROPOSED GROUND FLOOR: 185.44 SQ.M.
PROPOSED 1ST TO 4TH FLOOR: 205.75 SQ.M.
PROPOSED STAIR HEAD ROOM: 8.97 SQ.M.
PROPOSED LIFT M/C ROOM: 1.80 SQ.M.

CONSULTANT
CONCEPT ARCHITECTURAL &
STRUCTURAL SOLUTION
BOLPUR, WEST BENGAL, PIN 731204
CONTACT NO. +91 7003241922

SK JASIMUDDIN
B. Tech (Civil), M. Tech (Structure)
EMPANELLED STRUCTURAL ENGINEER
ESE / II / 656 (GMO)
BM / PW / ESE-II / 01 (BM)
SIGNATURE OF STRUCTURAL ENGINEER
DESIGNED BY

SIGNATURE OF OWNER

SHEET 1 OF 1

DRAWING NO:- STR/21/11/2025

