

FOOTING MKD.	COLUMN MKD.	L	B	D1	D2	REINFORCEMENT
F1	C47	1800	1800	100	200	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F2	C7,C35,C48	2000	2000	100	200	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F3	C1,C10,C17,C20,C21,C42,	2200	2200	150	200	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F4	C9,C16,C27,C31,C38,C39,C46	2400	2400	200	200	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F5	C2,C6,C18,C22,C32,C36,C43	2600	2600	200	250	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F6	C11,C39,C25,C38,C40,C49,C50	2800	2800	250	250	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F7	C8,C26,C37,C41	3000	3000	250	250	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F8	C15,C24,C44,C45	3200	3200	300	300	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
F9	C19	4000	1950	350	350	BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 175 c/c, (Both way)
RAFT	C3, C4, C5, C12, C13, C14, C25, C29, C30, C32, C34, & LEFT	AS SHOWN		400		BOT. 12 Ø 150 c/c, (Both way) TOP : 12 Ø 150 c/c, (Both way)

SLAB MKD.	THICKNESS (mm)	REINFORCEMENT			
		SHORT DIRECTION		LONG DIRECTION	
		SUPPORT	SPAN	SUPPORT	SPAN
(S1)	100	80 @ 150 c/c	80 @ 150 c/c	80 @ 175 c/c	80 @ 175 c/c
(S2)	125	80 @ 150 c/c	80 @ 150 c/c	80 @ 200 c/c	80 @ 200 c/c
(S3)	125	80 @ 150 c/c	80 @ 150 c/c	—	—

TYPICAL SECTION OF SLAB

TYPICAL LONG SECTION OF BEAM

COLUMN MKD.	SIZE	REINFORCEMENT			
		GROUND & FIRST	SECOND & THIRD	FORTH	STIRRUP
C1,C2,C3,C4,C5,C7, C9,C10,C13,C16,C17, C18,C20,C21,C22,C27, C28,C30,C31,C32,C33, C34,C35,C36,C38,C39, C42,C43,C46,C47,C48	250X400	8-16Ø	4-16Ø + 4-12Ø	8-12Ø	8Ø @ 150 c/c
C11,C12,C23,C49,C50	250X400	10-16Ø	6-16Ø + 4-12Ø	10-12Ø	
C6, C8, C29,C37,C40,C41	250X450	10-16Ø	6-16Ø + 4-12Ø	10-12Ø	
C14,C15,C19,C26	250X450	6-20Ø + 4-16Ø	10-16Ø	6-16Ø + 4-12Ø	
C24,C25	300X450	6-20Ø + 4-16Ø	10-16Ø	6-16Ø + 4-12Ø	
C44,C45	300X450	10-20Ø	6-20Ø + 4-16Ø	10-16Ø	

BEAM MED.	SIZE	AT SUPPORT		AT SPAN		STIRRUP SPAN/SUPPORT
		TOP	BOTTOM	TOP	BOTTOM	
B1	250 x 400	2-160+ 1-16 9	2-160	2-160	2-160+ 1-12 9	8@ 175 / 150 c/c (2L)
B2	250 x 400	2-160+ 1-16 9	2-160	2-160	2-160+ 1-16 9	8@ 175 / 150 c/c (2L)
B3	250 x 400	2-160+ 2-16 9	2-160	2-160	2-160+ 1-16 9	8@ 175 / 150 c/c (2L)
B4	250 x 400	2-160+ 3-16 9	2-160	2-160	2-160+ 2-16 9	8@ 175 / 150 c/c (2L)
B5	250 x 400	2-160+ 4-16 9	2-160	2-160	2-160+ 4-16 9	8@ 150 / 125 c/c (2L)
B6	250 x 400	2-160	2-160	2-160	2-160+ 1-12 9	8@ 175 / 150 c/c (2L)
B7	250 x 400	2-160	2-160	2-160	2-160+ 2-16 9	8@ 175 / 150 c/c (2L)
B8	250 x 400	2-160+ 1-16 9	2-160	2-160	2-160+ 4-16 9	8@ 175 / 150 c/c (2L)
B9	250 x 400	2-160+ 3-16 9	2-160+ 1-16 9	—	—	8@ 100 / 100 c/c (2L)
TB1	250 x 350	2-120+ 1-12 9	2-120	2-120	2-120+ 1-12 9	8@ 200 / 150 c/c (2L)
TB2	250 x 350	2-120+ 1-16 9	2-120	2-120	2-120+ 1-16 9	8@ 200 / 150 c/c (2L)
TB3	250 x 350	2-160+ 1-12 9	2-160	2-160	2-160+ 1-12 9	8@ 200 / 150 c/c (2L)
FB1	500 x 500	3-160+ 2-160	3-160+ 2-160	3-160	3-160	10@ 150 / 125 c/c (4L)
FB2	500 x 500	3-160+ 3-160	5-160+ 3-160	5-160	5-160	10@ 150 / 125 c/c (4L)
FB3	400 x 500	4-160	4-160	4-160	4-160	10@ 150 / 125 c/c (4L)

Technical drawing of a column and beam joint showing reinforcement details. The column has a diameter of 200 mm and is reinforced with 8 bars of 150 mm diameter. The beam has a width of 200 mm and is reinforced with 10 bars of 150 mm diameter. The drawing includes dimensions for the column height (1500 mm), beam length (6.0 m), and various reinforcement details like ties, beams, and reinforcement bars.

Technical drawing of a rectangular structure, likely a foundation or support. The drawing shows a cross-section with the following dimensions and labels:

- Top width: 250
- Right height: 350
- Bottom width: 2-120 ST.
- Top right corner: 1-120 EXT. and 2-120 ST.
- Left side: 80 @ 150 c/c
- Bottom left corner: 75
- Ground line: G.L.

SUPP. SEC. OF TB

SCALE 1:25

Technical drawing of a rectangular plate. The overall width is 250 and the overall height is 350. There are four holes, two on each long side, with a diameter of 80. The distance between the centers of the holes on each side is 200. The distance from the center of a hole to the nearest edge is 75. The plate has a thickness of 120. The top and bottom edges are labeled '2-120 ST.' and the side edges are labeled '1-120 EXT.'.

80 @ 200 c/c

250

350

75

2-120 ST.

1-120 EXT.

MID. SEC. OF TB

SCALE 1:25

[illegible]

1500

150

LIFT WALL

8 Ø @ 150 c/c

10 Ø @ 150 c/c

12 Ø @ 150 c/c

16 Ø @ 150 c/c

200 Ø SAL BULLAH @ 500 C/C OF 6.0M LENGTH

75 THICK B.F.S.

75 THICK P.C.C.

N 

Dipika
Dipika Majumder
B.Tech. (Civil)
MM/ Struc/009/2019-20
Class-II

Asim
ASIM SARKAR
BCE, METROPA, MOSE, WBE
EMPANELLED GEOTECHNICAL ENGINEER
KMC NO. 6TE/CLASS -I/2

CERTIFIED THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION OR ALTERNATION TO THIS PLAN.

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR M.M. AND ALSO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.

AND ALSO DECLARE THAT I WILL BE RESPONSIBLE TO INFORM THE ABOVE SIGNED ENGINEER BEFORE STARTING OF THE SAID CONSTRUCTION FOR SUPERVISING THE BUILDING.

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