



LAYOUT OF ROOF BEAMS & SLABS

SCHEDULE OF FLOOR BEAMS

BEAM NO.	SIZE OF BEAM		REINFORCEMENT						SIDE FACE REIN. ON EACH FACE	SPACER BARS @ 600 C/C	REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS				
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (REFER TD)	BALANCE PORTION (AT MIDDLE)			
FLOOR BEAMS											
FB1	400	500	5-#20	5-#20	5-#20	5-#20	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	
FB2	400	500	5-#20	5-#20	5-#20	5-#20	#10 @ 70 c/c	#10 @ 120 c/c	-	#25	
FB3	400	500	3-#20	3-#20	5-#20	3-#20	#10 @ 70 c/c	#10 @ 120 c/c	-	#25	
FB4	400	500	3-#20	3-#20	5-#20	5-#20	#12 @ 70 c/c	#12 @ 70 c/c	-	#25	
FB5	300	400	3-#20	3-#16	3-#25	3-#20	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	

NOTE: FOR MLB DETAILS & ITS OCCURRENCE REFER DRG CONTAINING TYPICAL STAIRCASE DETAILS

SCHEDULE OF SLABS

NOMENCLATURE	THICKNESS	TYPE OF SLAB	BOTTOM REINFORCEMENT (ALTERNATE BENT UP)				EXTRA REINFORCEMENT AT TOP (SUPPORT/END)				DIST. REIN AT TOP CONT./NON-CONT. END		REMARKS
			SHORT SPAN		LONG SPAN		SHORT SPAN		LONG SPAN		DIA	SPACING C/C	
			DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C			
RS1	150	TWO WAY SLAB	#10	150	#10	150	#10	300	#10	300	#10	300	
FS1	150	TWO WAY SLAB	#10	150	#10	150	#10	300	#10	300	#10	300	
FS2	150	ONE WAY SLAB	#10	150	#10	150	#10	300	#10	300	#10	300	

SCHEDULE OF ROOF BEAMS

BEAM NO.	SIZE OF BEAM		REINFORCEMENT						SIDE FACE REIN. ON EACH FACE	SPACER BARS @ 600 C/C	REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS				
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (REFER TD)	BALANCE PORTION (AT MIDDLE)			
ROOF BEAMS											
RB1	300	400	3-#12	-	3-#12	-	#8 @ 70 c/c	#8 @ 120 c/c	-		
RB1R	300	400	3-#12	-	3-#12	-	#8 @ 70 c/c	#8 @ 120 c/c	-		
RB2	230	400	3-#12	-	3-#12	-	#8 @ 70 c/c	#8 @ 120 c/c	-		
RB3	300	400	3-#16	2-#12	3-#16	3-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
RB3R	300	400	6-#16	-	3-#16	3-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
RB4	300	400	3-#16	-	3-#16	3-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
RB5	300	400	3-#16	-	3-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-		
RB5R	300	400	6-#16	-	3-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-		
RB6	350	450	3-#16	-	3-#16	3-#16	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	
RB7	300	400	3-#16	-	3-#16	-	#8 @ 70 c/c	#8 @ 120 c/c	-		
RB8	350	450	3-#16	-	3-#16	3-#16	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	
RB8R	350	450	6-#16	-	3-#16	3-#16	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	
RB9	300	400	3-#12	-	3-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-		
RB10	300	400	3-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
RB10R	300	400	6-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
RB11	300	400	3-#12	2-#12	3-#16	2-#16	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB11R	300	400	6-#12	2-#12	3-#16	2-#16	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB12	300	400	3-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB12R	300	400	6-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB13	300	400	3-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB13R	300	400	6-#12	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	
RB14	300	400	3-#16	-	3-#16	2-#16	#10 @ 70 c/c	#10 @ 120 c/c	-	#25	
RB15	230	400	3-#12	-	3-#12	-	#8 @ 70 c/c	#8 @ 70 c/c	-		
RB16	300	400	3-#12	-	3-#16	-	#8 @ 70 c/c	#8 @ 120 c/c	-		
RB17	400	500	3-#16	3-#16	3-#16	3-#16	#12 @ 70 c/c	#12 @ 120 c/c	-	#25	
RB18	300	400	3-#12	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 120 c/c	-	#25	

NOTE: FOR MLB DETAILS & ITS OCCURRENCE REFER DRG CONTAINING TYPICAL STAIRCASE DETAILS

NOTES:

- CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK
- ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
- FIGURED DIMENSIONS SHALL ONLY BE FOLLOWED.
- EXECUTIVE AUTHORITY SHALL CHECK AND VERIFY ALL THE DRGS BEFORE TAKING EXECUTION IN HAND.
- COLS SHOWN AS \boxtimes TO STOP AT RESPECTIVE SLAB LEVEL.
- FOR GENERAL STRUCTURAL NOTES & STANDARD TYPICAL DETAILS, REFER SHEET NOS. 1/11 TO 3/11 OF DRAWING NO.
- THE FOUNDATION IS DESIGNED FOR ASSUMED NET SBC OF 14.00 T/SQM AT 2.50 M DEPTH FROM NGL FOR BUILDING. GE TO CHECK THE ACTUAL SBC BEFORE EXECUTION. IN CASE OF ANY VARIATION THE MATTER SHALL BE REFERED TO THIS OFFICE FOR REDESIGN. THE FOUNDATION SHALL NOT REST ON TREACHEROUS, ORGANIC OR FILLED UP SOIL.

SL NO	DATE	DESCRIPTION	INITIAL
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REVISION

JOB NO. W - 2138
 PROVN OF MD ACCN FOR OFFRS, JCOs & ORs AT FEROPUR

16 MAJOR (G+4)

LAYOUT, SCHEDULE OF ROOF BEAMS & SLABS

DATE	10 OCT 2025	SHEET NO.	
DRAWN	NB SUB SANDEEP SHARMA	CHIEF ENGINEER	09
CHKD		JALANDHAR ZONE	11
SCALE		DRG NO CEJZ/SD- 1938/2025	

THIS DRG IS BASED ON DRG NO CEJZ/SD-1936/2025 SHEET NO 09/11

[Signature]
 DIRECTOR (DESIGN) FOR CHIEF ENGINEER