

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT						SIDE FACE REINF. ON EACH FACE	SPACER BARS @ 1000 C/C	REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS				
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (FOR LENGTH 2d)	BALANCE PORTION (AT MIDDLE)			
PLINTH BEAM											
PB1	300	600	3-#20	-	2-#16+1-#12	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
PB1A	300	600	3-#20	-	2-#16+1-#12	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
PBR1	300	600	3-#20	-	4-#16+1-#12	-	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
PB2	300	450	2-#12+1-#16	-	2-#16	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
PB2A	300	450	2-#12+1-#16	-	2-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	-	
PB3	300	450	3-#16	-	3-#16	2-#16	#8 @ 90 c/c	#8 @ 90 c/c	-	#25	
PBR4	200	450	AS PER DETAIL								
PB5	300	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
PB5A	300	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 90 c/c	-	-	
PB6	300	450	3-#16+2-#12	-	2-#16	-	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
PB7	300	500	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
PB8	300	600	3-#16	-	3-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
PB9	200	450	2-#16	-	2-#16	1-#12	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
PB10	200	450	2-#16	-	2-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-	
GROUND BEAM											
GB1	300	700	3-#16	-	3-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
FIRST FLOOR BEAM											
FB1	300	600	3-#16+2-#12	-	3-#16	2-#20	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
FB1A	300	600	3-#16+2-#12	-	3-#16	2-#20	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FBR1	300	600	3-#16+2-#12	-	3-#16+2-#20	-	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FB2	300	600	3-#16+2-#20	-	3-#16	2-#20	#10 @ 70 c/c	#10 @ 150 c/c	-	#25	
FB2A	300	600	3-#16+2-#20	-	3-#16	2-#20	#10 @ 70 c/c	#10 @ 70 c/c	-	#25	
FB3	300	600	3-#16+2-#12	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
FB3A	300	600	3-#16+2-#12	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FB4	300	600	3-#20	-	3-#16	3-#20	#10 @ 90 c/c	#10 @ 150 c/c	-	#25	
FB4A	300	600	3-#20	-	3-#16	3-#20	#10 @ 90 c/c	#10 @ 90 c/c	-	#25	
FB5	300	500	2-#16+1-#12	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
FB5A	300	500	2-#16+1-#12	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FB6	200	450	2-#16+1-#12	-	2-#16	1-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB7	300	450	2-#16+1-#12	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB7A	300	450	2-#16+1-#12	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-	
FB8	300	500	2-#16+1-#12	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB9	300	600	3-#16	-	3-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
FBR10	200	450	AS PER DETAIL								
FB11	200	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 90 c/c	-	-	
SECOND FLOOR BEAM											
FB1	300	600	3-#16	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
FB1A	300	600	3-#16	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FBR1	300	600	3-#16	-	5-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FB2	300	600	3-#16	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 150 c/c	-	#25	
FB2A	300	600	3-#16	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 70 c/c	-	#25	
FB3	300	600	3-#16+2-#20	-	3-#16	2-#20	#10@ 90 c/c	#10 @ 150 c/c	-	#25	
FB3A	300	600	3-#16+2-#20	-	3-#16	2-#20	#10 @ 90 c/c	#10 @ 90 c/c	-	#25	
FB4	200	450	2-#16+1-#12	-	3-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-	
FB5	300	600	3-#20	-	3-#20	2-#20	#10 @ 90 c/c	#10 @ 90 c/c	-	#25	
FB6	300	450	2-#16+1-#12	-	2-#16	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB7	300	500	2-#16+1-#12	-	2-#16	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB7A	300	500	2-#16+1-#12	-	2-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-	
FB8	300	500	4-#16	-	2-#16	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-	
FB9	300	600	5-#16	-	3-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	#25	
FB10	300	600	3-#16	-	3-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-	
FBR11	200	450	AS PER DETAIL								
FB12	200	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 90 c/c	-	-	

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT								SPACER BARS @ 1000 C/C	REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS		SIDE FACE REINF. ON EACH FACE			
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (FOR LENGTH 2d)	BALANCE PORTION (AT MIDDLE)				
ROOF BEAM												
RB1	300	600	3-#16	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 150 c/c	-	#25		
RB1A	300	600	3-#16	-	3-#16	2-#12	#8 @ 70 c/c	#8 @ 70 c/c	-	#25		
RB2	300	600	3-#20	-	3-#16	2-#20	#10 @ 90 c/c	#10 @ 150 c/c	-	#25		
RB2A	300	600	3-#20	-	3-#16	2-#20	#10 @ 90 c/c	#10 @ 90 c/c	-	#25		
RB3	300	600	4-#16	-	3-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	#25		
RB4	300	600	3-#20	-	3-#20	2-#20	#10 @ 100 c/c	#10 @ 150 c/c	-	#25		
RB5	300	450	2-#16+1-#12	-	2-#16	1-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB6	300	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-		
RB7	300	500	4-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-		
RB8	300	500	2-#16+1-#12	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB9	300	600	3-#16	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB10	350	850	5-#20	-	4-#20	2-#20	#10 @ 100 c/c	#10 @ 100 c/c	-	#25		
LIFT MACHINE ROOM, MUMTY BEAM												
RB1	300	600	2-#16+1-#12	-	2-#16	2-#16	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB1A	300	600	2-#16+1-#12	-	2-#16	2-#16	#8 @ 70 c/c	#8 @ 70 c/c	-	-		
RBR1	300	600	2-#16+1-#12	-	4-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-		
RB2	200	450	2-#16	-	2-#16	1-#12	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB3	300	450	2-#16	-	2-#16	-	#8 @ 90 c/c	#8 @ 150 c/c	-	-		
RB4	300	500	2-#16+1-#12	-	2-#16+1-#12	-	#8 @ 70 c/c	#8 @ 150 c/c	-	-		
RB5	300	600	2-#16+1-#12	-	4-#16	-	#8 @ 70 c/c	#8 @ 70 c/c	-	-		

NOTE:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
- ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
- FOR STRUCTURAL GENERAL NOTES, REFER DWG. NO. GDR/KPT/005/STR/01.
- FOR STRUCTURAL STANDARD TYPICAL DETAILS, REFER DWG. NO. GDR/KPT/005/STR/02, SHT. 01 & 02
- BEAMS AND OTHER STRUCTURAL MEMBER SHALL NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES ETC. SLEEVES OF SUITABLE SIZE MAY BE PROVIDED AT THE TIME OF CASTING THE SLAB TO TAKE OUT THE PIPES LATER.
- FOR ALL OTHER NOTES, REFER DWG NO. GDR/KPT/005/STR/11, SHT. 01

CHECKED & VETTED

Dr. Neelima Satyam D.
Professor
Department of Civil Engineering
Indian Institute of Technology Indore
Simrol, Indore-453552, India

REV. DATE DESCRIPTION SIGNATURE

PROJECT:- CONSTRUCTION OF ADMINISTRATIVE OFFICE BUILDING FOR DEENDAYAL PORT AUTHORITY, KANDLA.

NAME OF WORK:- ADMINISTRATIVE BUILDING

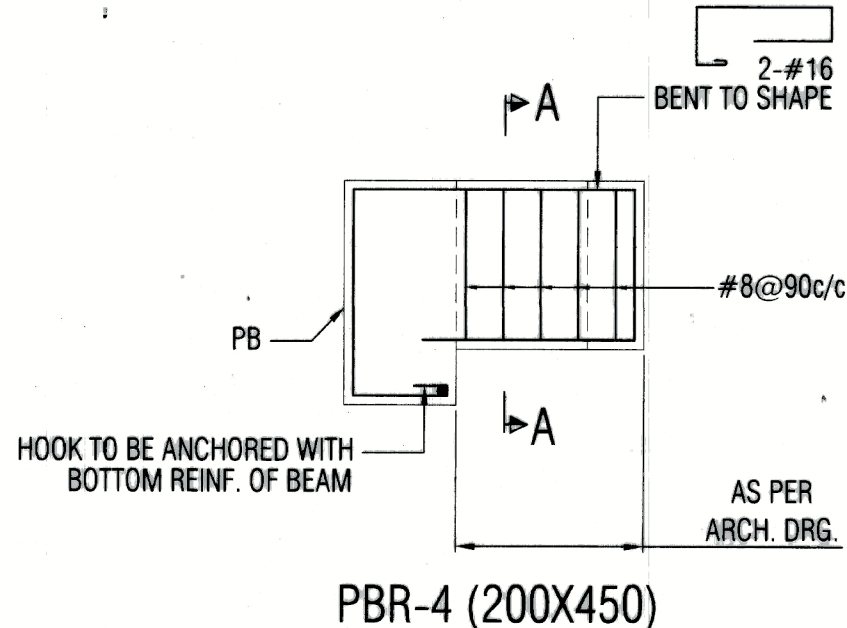
TITLE:- PLINTH BEAM, 1ST FLOOR BEAM, 2ND FLOOR BEAM, ROOF BEAM, MUMTY, LIFT MACHINE ROOM BEAM SCHEDULE

SHT NO. KANDLA PORT TRUST

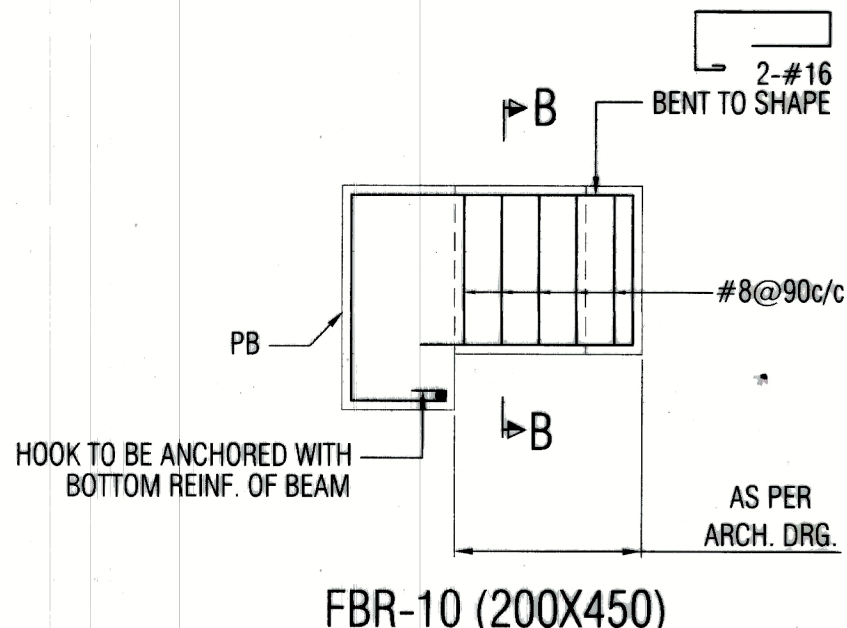
SIGNATURE OF CONSULTANT:- VISHAL SHAH
GENERAL MANAGER- DESIGN

CONSULTANT:- GEO DESIGNS & RESEARCH (P) LTD.
B-10 KRISHNA IND. ESTATE, OPP. B.I.D.C GORWA ESTATE, VADODARA - 390 016
TELEFAX : 91-265-2290222
2283081.2282305
E-mail : designmeseng@geogroup.in

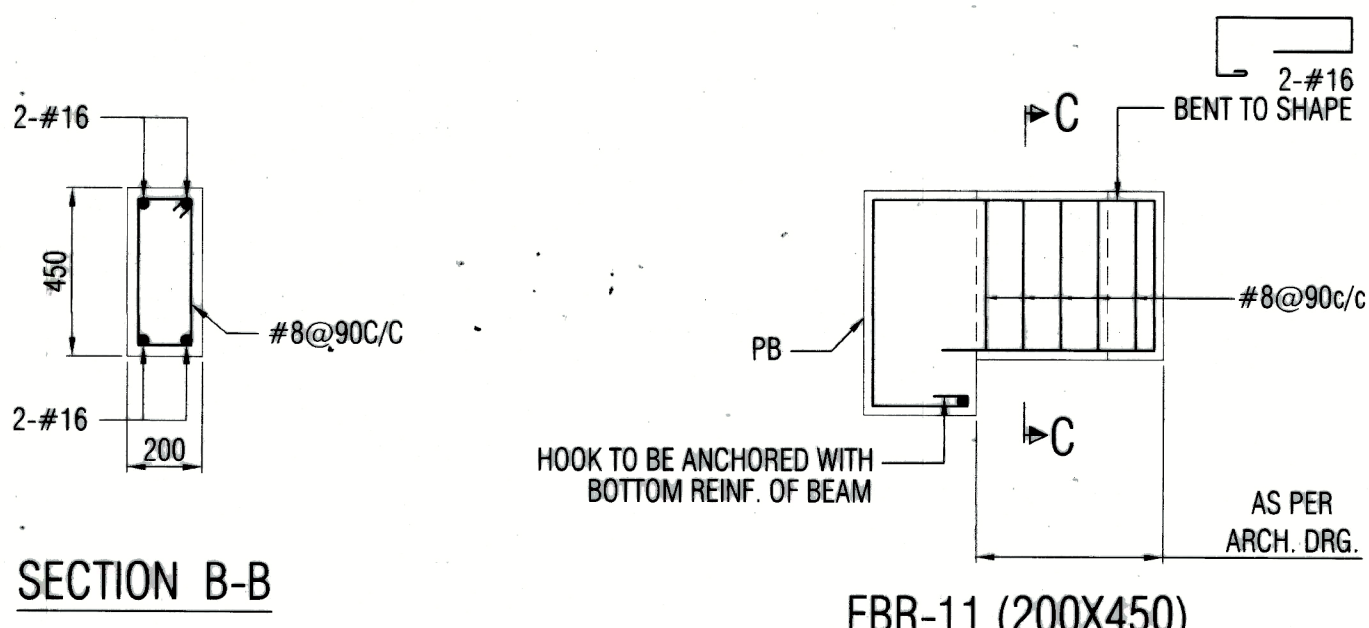
DRAWN BY: BALU NAKUM, DRG. NO.: GDR/KPT/005/STR/13
DESIGNED BY: RICHA, PROJECT NO.: SHEET NO.: REVISION
REVIEWED BY: HOJEFA
SCALE: NOT TO SCALE, GDBU23005, 01 OF 01, R0
DATE: 04/07/2024



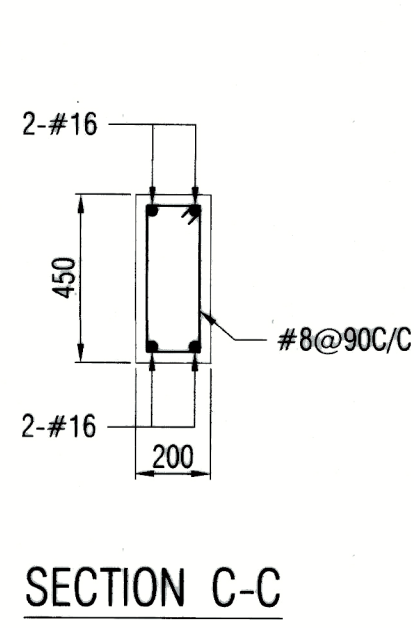
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D