

[illegible]

Technical drawing of a beam-column joint (Detail 2) showing reinforcement details. The drawing includes a top view and a side view. The top view shows a rectangular joint with dimensions 14/40 for the beam and 14/40 for the column. It indicates 2 N1 # 10 bars at the top and 2 N2 # 10 bars at the bottom, with a center-to-center spacing of C=350. The side view shows the joint with a height of 14/40 and a width of 14/40. It indicates 2 N1 # 10 bars at the top and 2 N2 # 10 bars at the bottom, with a center-to-center spacing of C=427. A detail of a bar end is shown with a diameter of 10 and a length of 25.

The technical drawing consists of two views of a mechanical part.

- Top View:** A rectangle with overall dimensions of 450 by 190. It features a central rectangular slot measuring 140 by 140. There are four circular holes: two located near the long edges (labeled "2 M8 x 10") and two located near the short edges (labeled "2 M6 x 8").
- Side View:** Shows the profile of the part, indicating a total thickness of 20. It identifies the locations of the holes as P22 (for the M8 holes) and P18 (for the M6 holes).

Technical drawing of a beam-column joint (Fig. 10.10). The drawing shows a plan view of a beam-column joint. The beam is labeled "P28" at the left end and "P17" at the right end. The column is labeled "14/40" at the top right. The joint is labeled "41 N5 # 5 C=90" at the bottom right. The beam has a width of "254" and a height of "254". The column has a diameter of "14/40". The joint is labeled "41 N5 # 5 C=90" at the bottom right. The beam has a width of "254" and a height of "254". The column has a diameter of "14/40". The joint is labeled "41 N5 # 5 C=90" at the bottom right.

[illegible]

1 - MEDIDAS EM CENTÍMETROS, EXCETO INDICAÇÃO CONTRÁRIA

2 - PARA DEMAIS NOTAS, VERIFICAR A PRANCHA 02.

AQO	PDS	BIT	QUANT	COMMITMENT		TOTAL	
				cn	un		
V1	50A	1	10	2	458	1300	
	50A	2	10	2	627	1254	
	50A	3	1	20	95	2772	
V2	50A	1	10	2	367	1020	
	50A	2	10	2	510	974	
	50A	3	1	21	95	2872	
V3	50A	1	10	2	295	996	
	50A	2	10	2	505	1810	
	50A	3	12.5	2	591	760	
	50A	4	3	41	295	599	
V4	50A	1	10	2	306	430	
	50A	2	10	2	170	340	
	50A	3	8	2	215	430	
	50A	4	8	2	446	1290	
V211=V215	(K2)	50A	2	9	2	99	7772
V212	50A	1	10	4	303	1480	
	50A	2	10	4	320	1880	
	50A	3	10	4	354	1640	
	50A	4	10	4	438	1720	
	50A	5	10	4	365	1460	
	50A	6	10	4	432	1740	
	50A	7	10	4	210	840	
	50A	8	10	4	729	2880	
	50A	9	10	4	630	1440	
	50A	10	10	4	735	2940	
V213	50A	1	5	158	119	18900	
	50A	1	10	2	245	450	
	50A	2	10	2	135	260	
	50A	3	10	2	536	1660	
V214	50A	4	5	23	95	2672	
	50A	1	10	2	225	444	
	50A	2	10	2	201	402	
V215	50A	3	3	7	99	692	
	50A	1	10	2	325	590	
	50A	2	10	2	195	390	
	50A	3	10	2	365	700	
V216	50A	4	5	21	99	2872	
	50A	1	5	2	378	740	
	50A	2	10	2	321	622	
	50A	4	12.5	2	605	1210	
	50A	5	12.5	2	395	790	
	50A	6	10	2	340	680	
	50A	7	10	2	670	1740	
	50A	8	10	2	683	683	
V217	50A	9	10	2	600	620	
	50A	1	10	2	354	700	

RESUMO DE AÇO			
AÇO	BIT	CMRPR	PESO
	mm	n	kgf
50A	3	485	75
50A	8	46	18
50A	10	279	172
50A	12,5	21	20
Peso Total		50A =	285 kgf



100

JOSÉ HUMBERTO DOS SANTOS  
CREA 17598 D / PE

ANDRÉ LUIS E SILVA SANTOS  
CREA 823094-D/ PE

TATIANA MAGNA LIMA E SILVA  
SANTOS  
CFT 0200132563 - D-AL

PROJETO DE DEDUÇÃO		PROJETO ESTRUTURAL DO OBSERVATÓRIO DO ENSINO HIBRIDO	
AV. LATERAL ESQUERDA DO CAMPUS A.C. SÁNCOS, AO LADO DO INST. DE COMPUTAÇÃO			
UNIVERSIDADE FEDERAL DE ALAGOAS - UFAL			
ARMADA DAS VIGAS DO MEZANINO E DOS DETALHES		DATA: 09/11/2022	
ESCALA: 1/50	Nº P2D35/2022		
PROFESSOR: ENG. CIVIL DANIANA ALVES	ORÇ. Nº: 56.339	DESCRIÇÃO:	

REVISÃO 00  
11/2022  
ANIANA ALVES