

FECHAMENTO E REFORMA DA QUADRA DE ESPORTE
JARDIM PARQUE INDUSTRIAL

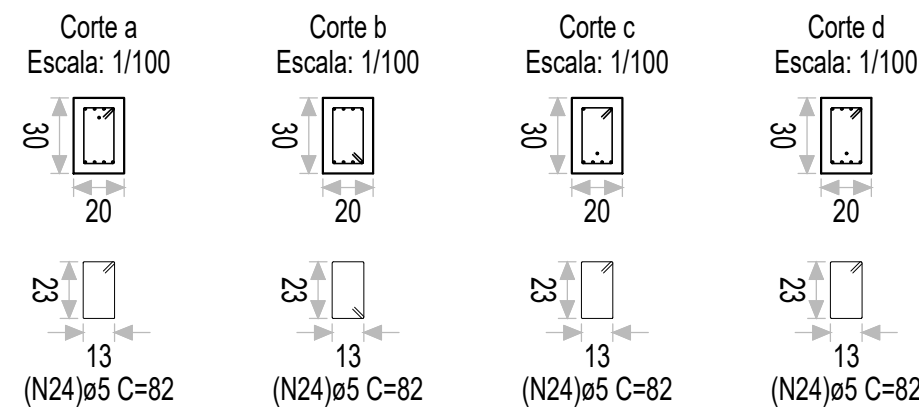
DETALHADOS :
DETALHES DAS ARMADURAS DAS VIGAS BALDRAMES

ESCALA 1 : 30 ART N° 28027230200645021 **07/12**

Technical drawing of a bridge deck cross-section showing reinforcement details for spans 457 to 57. The drawing includes reinforcement bars (N14, N15, N16, N17, N18, N19, N22, N23, N24), dimensions (e.g., 109, 190, 81), and labels for reinforcement types (e.g., 2(N15)ø10 C=795, 1(N14)ø10 C=190).

Barra	ID	Qt.	Diâm.	Compromimento unitário (cm)			Total			
				P.	C.	Reto	P.	C.	Reto	
							(cm)	(cm)	(kg)	
V2	Vigas do pórtico						Aço CA-50 N 5098 Kg/cm ²			
	1	2	ø10	15	77		92	184	1.171	
	2	4	ø10		879		879	3516	22.377	
	3	12	ø10		938		938	11256	71.618	
	4	6	ø10		937		937	5622	35.777	
	5	4	ø10		422		422	1688	10.740	
	6	2	ø10		75	15	90	180	1.145	
	7	2	ø10		77		77	154	0.980	
	8	2	ø10		75		75	150	0.954	
	9	2	ø10	15	632		647	1294	8.233	
	10	1	ø10	15	147		162	322	1.033	
	11	1	ø10	15	165		165	330	1.050	
	12	2	ø10		800		800	1600	10.180	
	13	3	ø10		220		220	1100	6.999	
	14	3	ø10		210		210	570	3.627	
	15	4	ø10		795		795	3180	20.233	
	16	2	ø10		215		215	430	2.736	
	17	2	ø10		662	15	677	1354	8.615	
18	1	ø10		170		170	170	1.082		

19	1ø10		152	15	167	167	1.063
20	2ø10	12	934		946	1892	12.038
21	2ø10		475	12	487	974	6.197
22	3ø10		225		225	675	4.295
23	1ø10		5		5	5	0.032
24	274ø5				82	22468	35.739
					Total+10,0%		294.691



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