

Technical drawing of a bridge deck cross-section (Corte A) showing reinforcement details. The drawing includes a top view of the deck with reinforcement bars (N12, N11, N10, N8, N7, N5, N6) and their respective quantities and spacings. It also shows a side view of the deck with reinforcement bars (N12, N11, N10, N8, N7, N5, N6) and their respective quantities and spacings. The drawing is labeled 'Corte A' and includes dimensions for the deck width (15/70) and height (15/70).

Technical drawing of a bridge deck cross-section (Corte A) showing reinforcement details. The drawing includes dimensions, reinforcement bar specifications (e.g., 31 # 4.2, 3 # 10), and section properties (e.g., C=560, C=250). A small detail of a reinforcement bar is shown on the right.

The drawing illustrates the reinforcement layout for a reinforced concrete slab. The top view shows a rectangular slab with dimensions 15.60m by 6.80m. Reinforcement is provided with N10 bars at 175mm spacing in the top and N10 bars at 175mm spacing in the bottom. The side view shows the slab thickness of 150mm. Cross-section A-A shows the slab with 150mm thickness and 10mm diameter bars. Cross-section B-B shows the slab with 150mm thickness and 10mm diameter bars. The drawing also includes details for the reinforcement bars, such as the lap length (Lap) and the development length (L_d).

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Technical drawing of a reinforced concrete slab (Laje) showing reinforcement details. The drawing includes a plan view with dimensions and reinforcement specifications, and a cross-section view labeled "Corte A".

Plan View Details:

- Dimensions:** 15/50 (width), 15/50 (length).
- Reinforcement Bars and Spacing:**
 - Top bars: 14 ϕ 4.2 C/17.5 (N7 (235)), 16 ϕ 4.2 C/17.5 (N7 (280)), 24 ϕ 4.2 C/17.5 (N7 (417)).
 - Bottom bars: 1 ϕ 6.3 (N6), 2 ϕ 10 (N7), 3 ϕ 10 (N7), 2 ϕ 10 (N7), 3 ϕ 10 (N7).
- Supports/Columns:** P56, P57, P58, P59.
- Other Details:**
 - 1019: 2 N1 ϕ 10 C=1075.
 - 160: 1 N3 ϕ 10 C=175.
 - 1015: 1 N2 ϕ 10 (1 ϕ 2cCAM) C=150.
 - 1014: 2 N4 ϕ 10 C=1029.
 - 1016: 1 N5 ϕ 10 C=255.
 - 1017: 1 N6 ϕ 6.3 C=80.
 - 1018: 54 N7 ϕ 4.2 C=121.


Corte A (Cross-section):

- Shows the slab thickness and the reinforcement layout.
- Dimensions: 44 (slab thickness), 15 (width), 15 (length).
- Reinforcement: 2 ϕ 10 (N7), 2 ϕ 10 (N7).

	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
					UNIT (cm)	TOTAL (cm)
V411	50A	1	10	2	1075	2150
	50A	2	10	1	1050	150
	50A	3	10	1	775	175
	50A	4	10	2	1029	2058
	50A	5	10	1	255	255
	50B	6	6.3	1	80	80
V416	60B	7	4.2	54	121	6534
	60B	1	5	2	235	470
	50A	2	10	3	195	585
	60B	3	5	2	330	660
	50A	4	12.5	2	560	1120
	50A	5	12.5	1	250	250
V430	50A	6	10	3	265	795
	50A	7	10	2	575	1150
	50A	8	10	1	390	390
	50A	9	10	2	785	1570
	50A	10	10	1	395	395
	50A	11	6.3	1	80	80
V430	60B	12	4.2	73	161	11753
	50A	13	6.3	8	575	4600
	50A	14	6.3	8	768	6144
	50A	1	10	3	260	780
	50A	2	10	2	545	1090
	50A	3	10	2	215	430
V433	50A	4	10	2	110	630
	60B	5	5	2	280	560
	50A	6	10	2	455	910
	50A	7	10	2	995	1990
	50A	8	10	1	325	325
	50A	9	10	1	225	225
V433	50A	10	10	1	465	930
	50A	12	6.3	2	80	160
	60B	13	4.2	75	161	12075
	50A	14	6.3	16	460	7360
	50A	15	6.3	8	263	2104
	50A	16	6.3	8	273	2184
V439	50A	1	10	2	960	1920
	50A	2	10	1	200	200
	50A	3	10	1	195	195
	50A	4	10	2	575	1150
	50A	5	10	1	410	410
	50A	6	10	2	305	610
V439	50A	7	6.3	1	80	80
	60B	8	4.2	44	121	5324
V439	50A	1	10	2	760	1520
	50A	2	10	1	290	290
	50A	3	10	2	775	1550
	50A	3	10	2	295	590
	50A	5	10	2	425	850
	50A	6	10	1	235	235
V446	50A	7	10	2	550	1100
	50A	8	10	1	230	230
	50A	9	10	2	430	860
	50A	10	10	1	210	210
	50A	11	6.3	2	80	160
	60B	12	4.2	74	161	11914
V446	50A	13	6.3	16	425	6800
	50A	14	6.3	8	558	4464
V446	50A	1	10	2	185	370
	60B	2	5	2	235	470
	50A	3	16	2	350	750
	50A	4	10	2	375	750
	50A	2	10	2	265	530
	50A	6	10	2	245	490
V446	50A	7	10	2	700	1400
	50A	8	10	1	275	275
	50A	9	6.3	2	80	160
	60B	10	4.2	48	141	6768
	50A	11	6.3	6	245	1470
V446	50A	12	6.3	6	558	3348
	50A	13	6.3	6	558	3348
	50A	14	6.3	6	558	3348

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO (kg)	
60B	4,2	544	59	
60B	5	22	3	
50A	6,3	399	98	
50A	10	330	204	
50A	12,5	14	13	
50A	16	8	12	
Peso Total	60B =	63	ka	
Peso Total	50A =	326	ka	

fck 250. kg/cm²

<div style="text-align: center;">  </div>	Shuring & Schuring Ltda. Escritório Técnico B.E.SCHURING – Projetos de Engenharia Av. XV de Novembro, 489 – Porto 2o. Andar – Curitiba MT Fone:(065) 321 9959 – Fax:(065) 623 5066 – Email – schuring@terra.com.br		
	Schuring & Schuring		
	PROJETO:	PROPRIETARIO: PREFEITURA MUNICIPAL VARZEIRA GRANDE MT	OBRA:
	RESP. TEC. EXECUÇÃO:		EMEB ALINO FERREIRA MAGALHAES END.: AV. Verdão esq. c/ Rua "B" PARQUE DO LAGO – VARZEIRA GRANDE
AUTORES DO PROJETO:		ASSINTO:	
Benedito Eliseu Schuring Eng.Civil – CREA 715/D–MT		DET VIGA COBERTURA	
Andre Luiz Schuring Eng.Civil – CREA 8697/D–MT		PECAS DETALHADAS V411 / V416 / V430 / V433 / V439 / V446	
		FOL: 250 ESCALA: 1:50	DREITOS AUTORES RESERVADOS VERIFICAR MEDIDAS NA OBRA ARQUIVO:
			DATA: FOLHA No 53