

Technical drawing of a bridge deck layout, showing various reinforcement details and cross-sections. The drawing includes dimensions, bar counts, and material specifications.

Top Reinforcement Details:

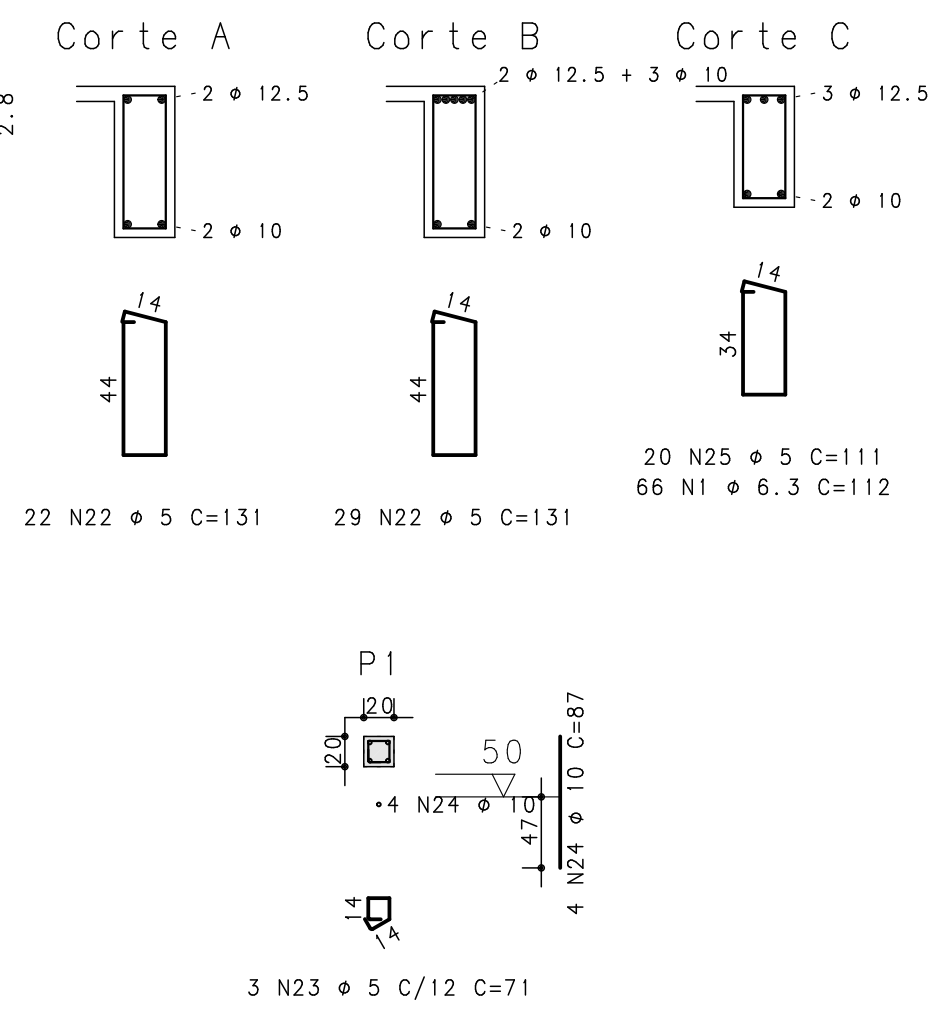
- Section A-A:** 4 ϕ 5 C/12.5 N22 (43), 18 ϕ 5 C/17.5 N22 (305), 10 ϕ 5 C/17.5 N22 (176), 19 ϕ 5 C/17.5 N22 (328), 20 ϕ 5 C/17.5 N25 (343), 29 ϕ 6.3 C/20 N1 (568), 13 ϕ 6.3 C/12.5 N1 (158), 24 ϕ 6.3 C/20 N1 (472).
- Section B-B:** 2 ϕ 12.5, 2 ϕ 12.5 + 3 ϕ 10, 2 ϕ 12.5 + 3 ϕ 10 + 5 ϕ 10, 7 ϕ 10, 2 ϕ 10 + 2 ϕ 12.5, 3 ϕ 12.5, 3 ϕ 12.5, 2 ϕ 6.3, 3 ϕ 20, 3 ϕ 20, 2 ϕ 6.3, 2 ϕ 10.
- Section C-C:** 2 ϕ 10, 2 ϕ 10, 3 ϕ 10, 2 ϕ 10, 4 ϕ 10, 2 ϕ 20, 3X1 ϕ 6.

Bottom Reinforcement Details:

- Section A-A:** 2 N3 ϕ 12.5 C=600, 3 N4 ϕ 10 C=255, 2 N6 ϕ 10 C=255, 1 N8 ϕ 10 C=125, 2 N9 ϕ 10 C=140, 1 N5 ϕ 10 C=185, 2 N7 ϕ 10 C=930, 2 N14 ϕ 10 C=285, 2 N15 ϕ 10 C=600, 2 N18 ϕ 20 C=705.
- Section B-B:** 2 N10 ϕ 10 C=260, 2 N11 ϕ 12.5 C=340, 1 N12 ϕ 12.5 C=200, 2 N13 ϕ 6.3 C=270, 1 N16 ϕ 20 C=440, 1 N17 ϕ 20 C=295, 2 N19 ϕ 6.3 C=395, 2 N20 ϕ 10 C=150.
- Section C-C:** 2 N10 ϕ 10 C=260, 2 N11 ϕ 12.5 C=340, 1 N12 ϕ 12.5 C=200, 2 N13 ϕ 6.3 C=270, 2 N16 ϕ 20 C=440, 1 N17 ϕ 20 C=295, 2 N19 ϕ 6.3 C=395, 2 N20 ϕ 10 C=150.

Cross-Sections:

- Section A-A:** 559, 86, 67, 395, 2 N2 ϕ 10 C=415.
- Section B-B:** 63, 94, 63, 67, 395, 2 N2 ϕ 10 C=415.
- Section C-C:** 98, 122, 93, 63, 99, 46, 3x1 N21 ϕ 8 C=105, 675, 2 N18 ϕ 20 C=705.



	ACO	POS	BIT (mm)	QUANT	COMPRIMENTO	
					UNIT (cm)	TOTAL (cm)
V1	50A	1	6, 3	68	112	7392
	50A	2	10	2	415	830
	50A	3	12, 5	2	600	1200
	50A	4	10	3	255	765
	50A	5	10	1	185	185
	50A	6	10	2	255	510
	50A	7	10	2	930	1860
	50A	8	10	1	125	125
	50A	9	10	2	140	280
	50A	10	10	2	260	520
	50A	11	12, 5	2	340	680
	50A	12	12, 5	1	200	200
	50A	13	6, 3	2	270	540
	50A	14	10	2	285	570
	50A	15	10	2	600	1200
	50A	16	10	2	440	880
	50A	17	20	1	295	295
	50A	18	20	2	705	1410
	50A	19	6, 3	2	395	790
	50A	20	10	2	150	300
V2	50A	21	8	3	105	315
	60B	22	5	51	131	6681
	60B	23	5	3	71	213
	50A	24	10	8	348	87
	60B	25	5	20	111	2220
	50A	1	10	5	235	1175
	50A	2	10	2	155	310
	50A	3	10	2	390	780
V3	50A	4	10	1	180	180
	60B	5	5	23	101	2323
	50A	1	10	2	245	490
	50A	2	13, 5	3	705	235
	50A	3	10	3	240	720
	50A	4	8	2	255	510
	50A	5	16	2	435	870
	50A	6	10	2	210	420
	50A	7	6, 3	2	290	580
	50A	8	20	2	415	830
	50A	9	20	2	295	590
	50A	10	20	3	250	750
	50A	11	10	2	130	1460
	50A	12	10	1	190	190
	50A	13	16	2	725	1450
	50A	14	16	1	510	510
	50A	15	20, 5	2	175	1550
	60B	16	4, 2	19	121	2299
	60B	17	4, 2	51	101	5151
	50A	18	6, 3	35	102	3570
V4	50A	19	8	26	104	2704
	50A	1	6, 3	2	265	530
	50A	2	16	4	225	900
	50A	3	16	2	290	580
	50A	4	20	3	295	885
	60B	5	5	2	230	460
	50A	6	10	4	270	340
	50A	7	10	2	170	800
	50A	8	12, 5	2	625	1250
	50A	9	12, 5	2	300	600
	50A	10	10	2	675	1350
	50A	11	10	2	280	560
	50A	12	6, 3	40	112	4480
	60B	13	6, 5	36	131	4716

RESUMO AÇO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
60B	4,2	75	8
60B	5	166	26
50A	6,3	179	44
50A	8	15	14
50A	10	166	102
50A	12,5	39	38
60A	16	47	75
50A	20	72	177
Peso Total		60B =	34 kg
Peso Total		50A =	450 kg

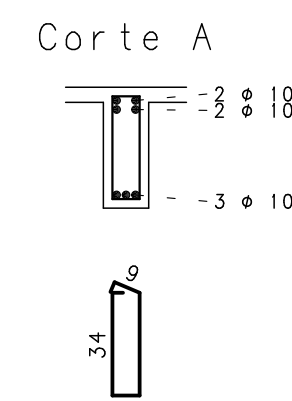
Technical drawing of a shaft assembly. The drawing shows a shaft with various diameters and lengths, and a cross-section of a component with dimensions and part numbers.

Shaft Dimensions:

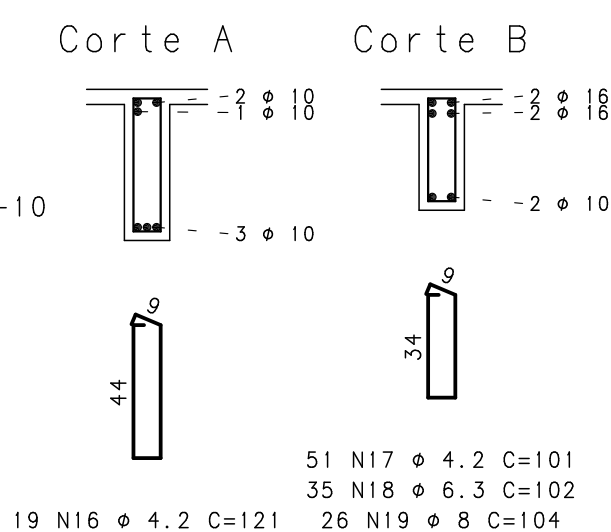
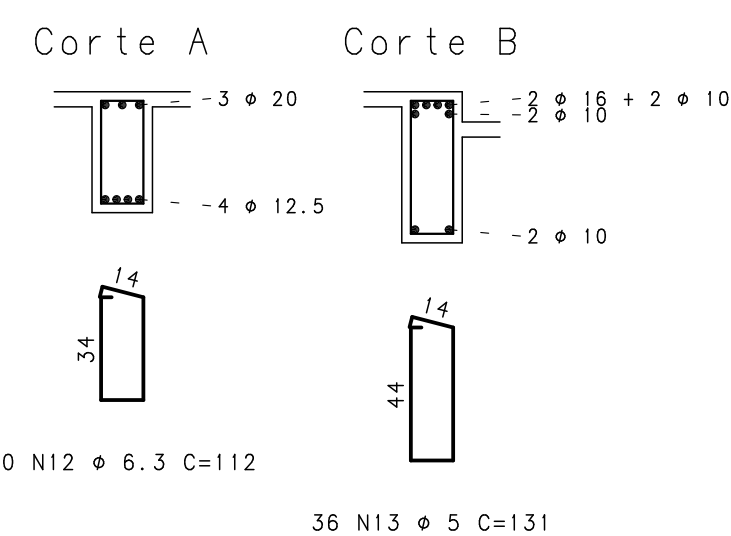
- Top section: 8 ϕ 5 C/15, N5 (108), 16 ϕ 5 C/20, N5 (107), 9 ϕ 5 C/12.5, N5 (108)
- Middle section: 3 ϕ 10, 5 ϕ 10, 4 ϕ 10
- Bottom section: 3 ϕ 10
- Overall length: 360
- Part number: 2 N3 ϕ 10 C=390

Cross-section Dimensions:

- Top: 15/40
- Left: 31
- Right: 35
- Bottom: 15
- Internal dimensions: 204, 124, 66
- Internal diameters: 3 N1 ϕ 10 C=235, 2 N1 ϕ 10 C=235, 2 N2 ϕ 10 C=155
- Internal part numbers: (1 ϕ 2 ϕ CAM), (2 ϕ 2 ϕ CAM)



Technical drawing of a bridge deck cross-section showing reinforcement details. The drawing includes a top view of the bridge deck with reinforcement bars (N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30) and their respective diameters and spacings. The drawing also shows the cross-section of the bridge deck with reinforcement bars (N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30) and their respective diameters and spacings. The drawing includes a scale of 1/40 and a section line A-A.

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Rev	Data	Autur	Assunto

CONCRETO		SOBRECARGA PREVISTA		OBRA N.º
fck = 250 kgf/cm2				0001
CLIENTE	SECRETARIA DA SAÚDE-PELOTAS			DES. N.º
OBRA	UBS TIPO 2-CORRIENTES			015
TÍTULO	NÍVEL 50 ARMADURAS DAS VIGAS			
V1 / V2 / V3 / V4				REV. N.º
				00
DATA	ESCALA	DESENHO	COORD.	ENG.º
19/08/2015	1:50	UBS-50--VIG-015-R00		