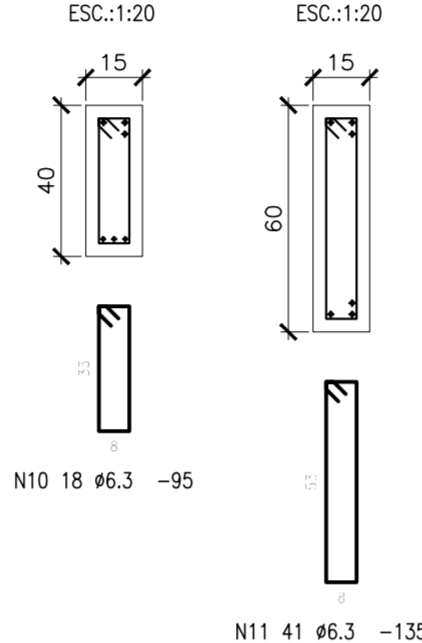
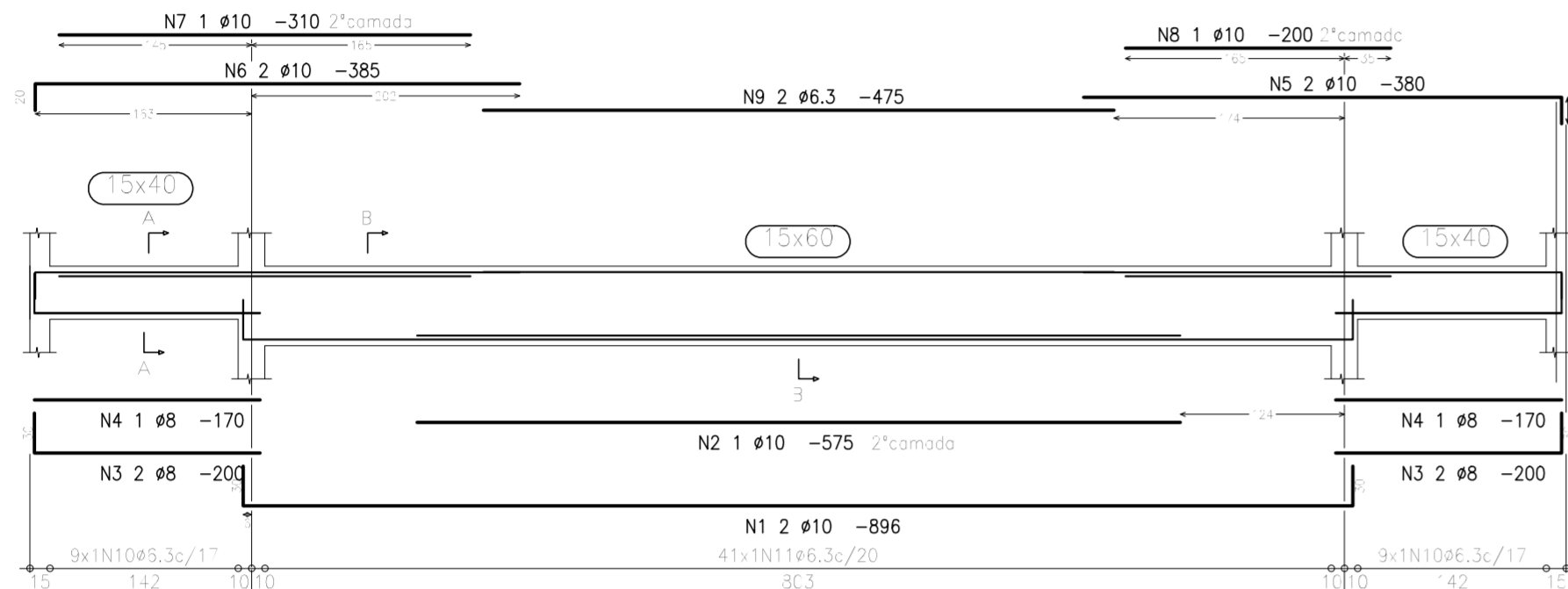
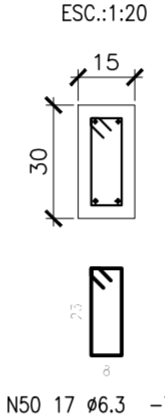


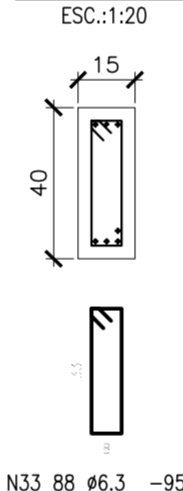
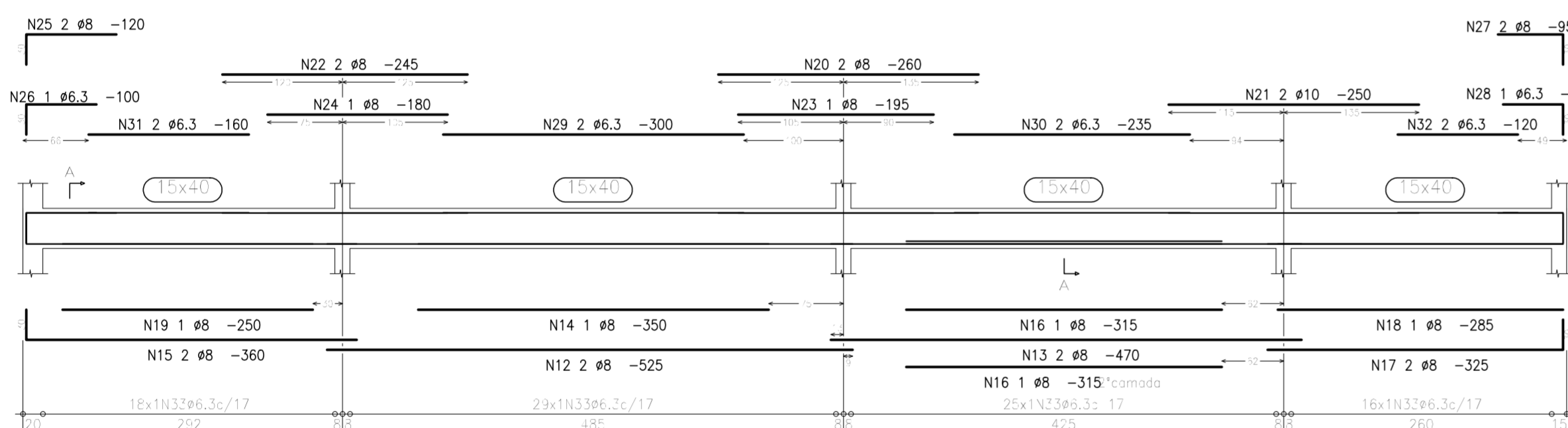
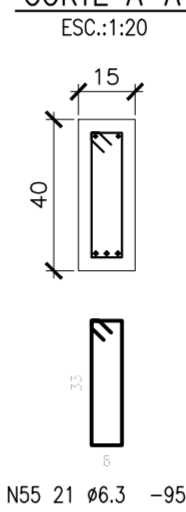
ESC.: 1:50



Technical drawing of a beam-to-column connection. The top part shows a plan view of a beam with a 15x30 oval hole, labeled "N49 2 Ø6.3 -268". The bottom part shows a side elevation of the beam with a 17x N50 Ø6.3c 12 hole, labeled "N48 2 Ø8 -268". Dimensions include 15, 20.3, and 15 for the beam width and hole offset.



Technical drawing of a rectangular frame. The drawing shows a top view and a side view. The top view is a rectangle with dimensions 347 (width) and 17 (height). The side view is a rectangle with dimensions 315 (width) and 17 (height). The drawing includes material specifications: N53 2 #6.3 -115, N54 2 #6.3 -245, N51 2 #8 -315, and N52 2 #8 -429. A central circular hole is shown with a diameter of 150. The drawing is labeled with 'A' and 'L' and includes a scale of 1:5.



Technical drawing of a mechanical part, likely a shaft or tube, showing dimensions and tolerances. The drawing includes a side view and a cross-section view.

**Dimensions and Tolerances:**

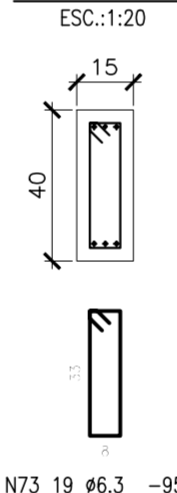
- N69 2 ø8 -155
- N71 1 ø6.3 -115
- N72 2 ø6.3 -170
- N70 2 ø8 -150
- N68 1 ø8 -230
- N67 2 ø8 -430
- N73 19 ø6.3 -9

**Section View (CORTE A-A):**

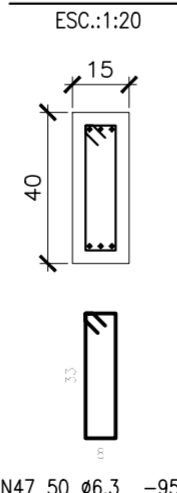
- ESC: 1:20
- 15x40 hole
- 15 (width)
- 40 (height)

**Other Dimensions:**

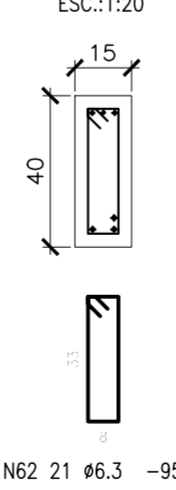
- 150 (total length)
- 100 (length of section A-A)
- 10 (length of section A-A)
- 10 (length of section A-A)



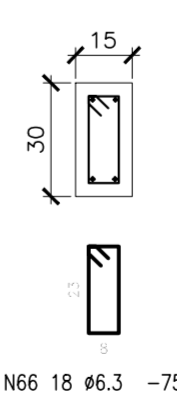
Technical drawing of a reinforced concrete beam cross-section and elevation. The cross-section shows a rectangular beam with a width of 40 cm and a height of 15 cm. It includes reinforcement bars: 4 bars of diameter 8 mm (N42 2 ø8) at the top and 4 bars of diameter 6.3 mm (N44 2 ø6.3) at the bottom. The elevation shows a beam with a length of 15.00 m, supported by three columns. The beam is reinforced with 15x40 bars. The columns are reinforced with 15x40 bars. The drawing includes dimensions for the beam, columns, and reinforcement bars.



Technical drawing of a beam (Fig. 1) showing three views: top, side, and front. The top view shows a rectangular beam with dimensions 15x410. The side view shows a beam with a total length of 347 and a central section of 245. The front view shows a beam with a total length of 430 and a central section of 245. The drawing includes various dimensions and labels for different parts of the beam.



N64 2 #6.3 -80  
 N65 2 #6.3 -225  
 15x30  
 N63 2 #6 -279  
 18x166#6.3c/12  
 215  
 CORIE A-A  
 ESC:1:20  
 15  
 30  
 N66 18 #6.3 -75



Pos.	$\Delta$ [bit]	Q.Tot.	C.Unt (m)	C.Tot (m)
1	10	2	896	17.92
2	10	1	575	5.75
3	8	4	200	8.0
4	8	2	170	3.4
5	10	2	380	7.6
6	10	2	385	7.7
7	10	1	310	3.1
8	10	1	200	2.0
9	6,3	2	475	9.5
10	6,3	18	95	17.1
11	6,3	41	135	55.35
12	8	2	525	10.5
13	8	2	470	9.4
14	8	1	350	3.5
15	8	2	360	7.2
16	8	2	315	6.3
17	8	2	325	6.5
18	8	1	285	2.85
19	8	1	250	2.5
20	8	2	260	5.2
21	10	2	250	5.0
22	8	2	245	4.9
23	8	1	195	1.95
24	8	1	180	1.8
25	8	2	120	2.4
26	6,3	1	100	1.0
27	8	2	95	1.9
28	6,3	1	90	0.9
29	6,3	2	300	6.0
30	6,3	2	235	4.7
31	6,3	2	160	3.2
32	6,3	2	120	2.4
33	3,3	88	95	83.6
34	8	2	405	8.1
35	8	2	400	8.0
36	8	2	265	5.3
37	8	2	230	4.6
38	8	1	175	1.75
39	8	2	455	9.1
40	8	1	130	1.3
41	8	1	120	1.2
42	8	2	150	3.0
43	8	2	130	2.6
44	6,3	2	115	2.3
45	6,3	2	195	3.9

Pos.	$\beta$ (m)	Q.Tot.	C.L (cm)	C.T (m)
46	6, 3	2	175	3,5
47	6, 3	50	95	47,5
48	6, 3	4	268	10,2
49	6, 3	4	268	10,2
50	6, 3	34	75	25,5
51	8	8	429	34,32
52	8	4	315	12,6
53	6, 3	16	115	18,4
54	6, 3	8	245	19,6
55	6, 3	84	95	79,8
56	6, 3	2	430	8,6
57	10	2	245	19,6
58	8	2	115	2,3
59	6, 3	2	115	2,3
60	6, 3	1	110	1,1
61	6, 3	2	245	4,9
62	6, 3	21	95	19,55
63	6, 3	2	279	5,58
64	6, 3	2	80	1,6
65	6, 3	2	225	4,5
66	6, 3	18	75	13,5
67	8	2	430	8,6
68	8	1	230	2,3
69	8	2	155	3,1
70	8	2	155	3,1
71	6, 3	2	115	2,3
72	6, 3	2	170	3,4
73	6, 3	19	95	18,05

AÇO	Ø(mm)	COMPR (m)	PESO (kg)
CA-50A	6,3	466.57	115
CA-50A	8	205.77	81
CA-50A	10	60.12	38
PESO TOTAL (kg):			234

N1 2x44 ø6.3 C/20 -100 V

- V= Variável
- C= Corrido
- Comprimento total da barra
- Espaçamento entre barras, em cm
- Diâmetro de 1 barra em mm
- Quantidade de barras
- Número de repetições da quantidade de barras
- Número da barra

- 1 - DIMENSÕES EM CENTÍMETRO, ELEVAÇÕES EM METRO, SALVO INDICAÇÃO CONTRÁRIA.
- 2 - CONCRETO  $F_{ck} = 30$  MPa.
- 3 - AÇO: CA-50A.
- 4 - COBRIMENTO DAS ARMADURAS: 3,5cm.
- 5 - PREVER CONTROLE RIGOROSO NA MONTAGEM DAS ARMADURAS.

EMISSION INICIAL		11.11.19		CGE	CGE
REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
<div><p>AVX ENGENHARIA</p></div> <div>RUA VISCONDE DE INHAMA Nº 50 / SALA 901 A 904 CENTRO, RIO DE JANEIRO – RJ avx@avxeng.com.br</div>		<div>RESPONSÁVEL TÉCNICO: CARLOS ALBERTO HIRTZ GUERRA CREA: 08573-1D</div>			
CONTROLE: CGE-1448-CR-EST-ARM-010-R00 - ARMAÇÃO CINTAS - PARTE 4 (ARM-010)					
<div><p><b>PREFEITURA SAQUAREMA</b> TRABALHO E RESPEITO</p></div>		<div>APROVADO</div> <div>_____ SECRETARIO DE OBRAS E URBANISMO</div>			
SECRETARIA DE OBRAS E URBANISMO					
TÍTULO: UNIDADE ESPECIALIZADA EM SAÚDE NA BARREIRA - CLÍNICA DA CRIANÇA					
LOCAL: PROJETO DE ESTRUTURA - ARMAÇÃO DAS CINTAS - PARTE 4					
RUA ESTUDANTE ELICIR DE OLIVEIRA COUTINHO, Nº 400					
PROJETO: BARREIRA - SAQUAREMA - RJ		<div>RES.P. TÉCNICO</div> <div>_____ CGE-1448-CR-EST-ARM-010-R00</div>			
_____ "_____"		_____ "_____"			
DE-035-18-EST-010		ESCALA:	INDICADA	DATA:	FRANCHA
				NOV/2019	
					10