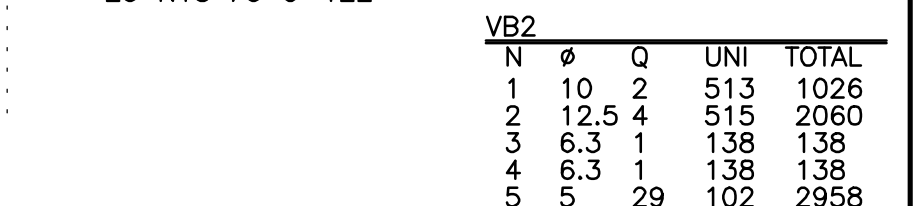
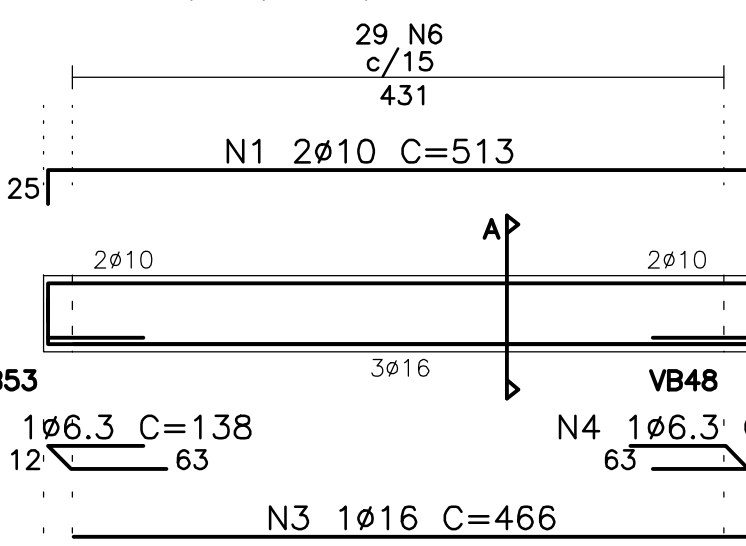


Figure 1: Schematic diagram of the 100 km long, 12-lane highway. The diagram shows two main sections: a 50 km section on the left and a 50 km section on the right. The left section includes lanes N9, N7, N6, N5, N4, N3, N2, N1, N16, N15, N14, N13, N12, N11, N10, and N8. The right section includes lanes N9, N7, N6, N5, N4, N3, N2, N1, N16, N15, N14, N13, N12, N11, N10, and N8. Each lane is labeled with its name, width, and centerline. The diagram also shows the positions of various structures, including bridges, overpasses, and interchanges, and the locations of the 12 lanes. The total length of the highway is 100 km.



Technical drawing of a reinforced concrete beam cross-section and longitudinal section. The cross-section shows a rectangular beam with width 25 cm and height 30 cm. It contains 2 top bars (2ø10) and 4 bottom bars (4ø12.5). The longitudinal section shows a beam of length 431 cm, with a central section of length 4ø12.5 cm. The top bars are 2ø10, and the bottom bars are 4ø12.5. The beam is labeled N1 and N2. The top bars are labeled N1 2ø10 C=513 and N2 4ø12.5 C=515. The bottom bars are labeled N3 1ø6.3 C=138 and N4 1ø6.3 C=63. The beam is labeled VB21.



Technical drawing of a shaft with two gears, N1 and N2, showing dimensions and labels.

**Shaft N1:**

- Top dimension: 16 N3 c/15 (left) and 9 N3 c/15 (right).
- Top dimension line: 230 (left) and 121 (right).
- Label: N1 2ø10 C=520

**Shaft N2:**

- Top dimension: 2ø10 (left) and 2ø10 (right).
- Top dimension line: 2ø10 (left) and 2ø10 (right).
- Label: N2 2ø10 C=453
- Bottom dimension: 30 (right).

Technical drawing of a mechanical part. The top view shows a rectangular plate with overall dimensions 210 mm by 251 mm. It features a central hole with a diameter of 20 mm and two side holes with diameters of 20 mm and 20 mm. The distance between the centers of the side holes is 251 mm. The bottom view shows a similar rectangular plate with overall dimensions 210 mm by 251 mm. It features a central hole with a diameter of 20 mm and two side holes with diameters of 20 mm and 20 mm. The distance between the centers of the side holes is 251 mm. A cross-section view labeled 'CORTE A' shows the internal structure of the part, with dimensions 30 mm, 19 mm, 13 mm, 24 mm, 21 mm, 3 mm, 6 mm, and 8 mm. The material is identified as 'N2 2010 C=32.3'.

[illegible][illegible][illegible]

Technical drawing of a shaft assembly. The shaft has a diameter of  $\varnothing 16$  and a total length of 331. It features a central section with a diameter of  $\varnothing 10$  and a length of 100. The shaft is supported by two bearings, N1 and N2, which have a diameter of  $\varnothing 16$  and a length of 513. The shaft is also supported by a bearing N3, which has a diameter of  $\varnothing 16$  and a length of 138. The shaft is also supported by a bearing VB48, which has a diameter of  $\varnothing 16$  and a length of 63. The shaft is also supported by a bearing N3, which has a diameter of  $\varnothing 16$  and a length of 138. The shaft is also supported by a bearing VB48, which has a diameter of  $\varnothing 16$  and a length of 63. The shaft is also supported by a bearing N3, which has a diameter of  $\varnothing 16$  and a length of 138. The shaft is also supported by a bearing VB48, which has a diameter of  $\varnothing 16$  and a length of 63.

[illegible]

The drawing shows a mechanical part with the following specifications:

- Top View:**
  - Overall width: 20
  - Overall length: 251
  - Top edge features: 21 N5,  $\frac{e}{12}$
  - Bottom edge features: 20 N2,  $2\phi 12.5$ , C=315
  - Internal features:  $2\phi 10$ ,  $2\phi 12.5$
- Front View:**
  - Overall height: 48
  - Top edge features: 106.3 C=138, 12, 63
  - Bottom edge features: 106.3 C=138, 12, 63
  - Internal features: N3,  $2\phi 10$ , VB45
- Material and Section:**
  - Material: CORT
  - Section: 30
  - Dimensions: 21 N5

Technical drawing of a mechanical part, likely a shaft or axle, showing dimensions and a cross-section.

**Main View Dimensions:**

- Total length: 401
- Top diameter: 27 N5
- Central section length: 312.5
- Left diameter: 26
- Right diameter: 26
- Left hole diameter: 26
- Right hole diameter: 26
- Left hole distance from end: 126.3 C=138
- Right hole distance from end: 126.3 C=138
- Left hole distance from center: 63
- Right hole distance from center: 63
- Bottom diameter: 30
- Bottom hole diameter: 26
- Bottom hole distance from end: 126.3 C=138
- Bottom hole distance from center: 63

**Cross-section View (CORTE A):**

- Top diameter: 12
- Right diameter: 13
- Left diameter: 40
- Right diameter: 34
- Central hole diameter: 27 N5
- Central hole width: 10

**Labels:**

- N1 2ø10 C=483
- N2 3ø12.5 C=485
- VB20

Technical drawing of a mechanical part with dimensions and tolerances:

- Top view:
  - Overall width: 17 N4
  - Dimension line:  $\frac{c}{12}$
  - Overall length: 198
  - Feature: N1  $\varnothing 8$  C=338
- Side view:
  - Feature: 2 $\varnothing 8$
  - Feature: 2 $\varnothing 12.5$
  - Feature: 2 $\varnothing 8$
- Bottom view:
  - Feature: VB48
  - Feature: N3  $\varnothing 6.3$  C=138
  - Feature: 12  $\frac{c}{63}$
  - Feature: 201 N2  $\varnothing 12.5$  C=314

[illegible]

Figure 1: Schematic representation of the 100000 bp region on chromosome 10p15.3. The diagram shows the positions of N1 to N9, P1 to P5, and N10 to N15. N1 to N9 are on the top line, and P1 to P5 are on the bottom line. N10 to N15 are on the far left. Distances between markers are indicated by arrows and numbers. The top line is labeled 'N2 2#12.5 C=951' and the bottom line is labeled 'N6 2#12.5 C=704'.

[illegible]

Technical drawing of a mechanical part with dimensions and section A.

**Dimensions:**

- Top left: 3 N3, 9/12, 31.
- Top right: CORTE A, 19, 13, 30, 24, 3 N3, 5, 82.
- Left side: N1, 25, 20, 10, C=98.
- Bottom left: A, 20, 10, 20, 8, N2, 20, 8, C=65, 14.
- Bottom right: P39.

Technical drawing of a mechanical part. The top view shows a rectangular plate with a central hole. Dimensions: total width 20, total height 15, central hole diameter  $\varnothing 8$ , hole offset from top edge  $c/12$ , and hole offset from bottom edge  $c/12$ . The total length is 239. The side view shows a rectangular plate with a central hole. Dimensions: total width 20, total height 15, central hole diameter  $\varnothing 8$ , hole offset from top edge  $c/12$ , and hole offset from bottom edge  $c/12$ . The total length is 239. The section A shows a rectangular plate with a central hole. Dimensions: total width 20, total height 15, central hole diameter  $\varnothing 8$ , hole offset from top edge  $c/12$ , and hole offset from bottom edge  $c/12$ . The total length is 239.

VB22				
N	#	Q	UNI	TOTAL
1	8	2	301	602
2	10	2	311	622
3	5	20	82	1640

VB23				
N	Q	UNI	TOTAL	
1	10	2	98	196
2	8	2	65	130
3	5	3	82	246

VB24				
N	Q	Q	UNI	TOTAL
1	8	2	301	602
2	10	2	311	622
3	5	20	82	1640

RESUMO DAS VIGAS DA FUNDAÇÃO (01/03)		
ACO	Ø	COMPR(cm) PESO(kg)
60B	5	144780 232

50A 6.3	11010	28
50A 8	14236	57
50A 10	37111	492
50A 12.5	60325	604
50A 16	7500	77
50A 20	3076	—
50A 25		

PESO TOTAL (kg)	1490
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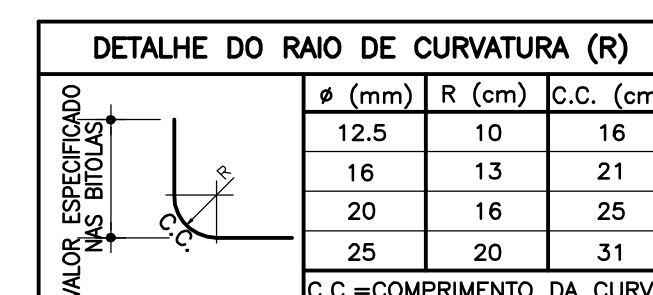
DESENVOLVIMENTO DA

A - CR-1EA	
	TRQ 880130

ESTRUTURA	PADE CR-1EA
A FUNDAÇÃO (01/03)	

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01-CONCRETO=  $f_{ck} \geq 25 \text{ MPa}$   
02-AÇO= CA-50 -  $f_{yk}=500 \text{ MPa}$   
CA-60 -  $f_{yk}=600 \text{ MPa}$   
03-MEDIDAS EM cm, NÍVEIS EM m  
04-NÃO TIRAR MEDIDAS EM ESCALA  
05-CONFIRMAR MEDIDAS NO LOCAL  
06- COBRIMENTO=3,0cm



PROJETO DESENVOLVIDO POR ENGEALC ENGENHARIA E PROJETOS ESTRUTURAIS A PARTIR DO PAD CR-1 12.01.04  
RESPONSÁVEL TÉCNICO: NELSON SHOTARO YOKOI - CREA: 060056764-0

ESCOLA - NOME/LOCAL		CODIGO	
-		1201090	
INTERVENÇÃO		Ma. 1055	

CRECHE + PRÉ-ESCOLA - CR-1EA			01
ETAPA/ÁREA TÉCNICA PROJETO EXECUTIVO DE ESTRUTURA	TIPO PROJETO PAD CR-1EA	DATA JULHO/2020	ETAPA/ÁREA TÉCNICA PE - EST

CONTEÚDO	ESCALA	FOLHA	REVISÃO
ARMAÇÃO DAS VIGAS DA FUNDAÇÃO (01/03)	INDICADA	14/00	00

1201090\_00CEPED01400

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