

The drawing illustrates the cross-section of a bridge with two spans. Key features include:

- Deck Profile:** Shows the road surface with elevations of +12.974 (LAJE EM OSSO), +13.136 (LAJE EM OSSO NO EIXO), and +13.038 (LAJE EM OSSO). Slopes are indicated as $i=2\%$.
- Structural Elements:** Labels include PASSEIO (sidewalk), PISTA (roadway), and MACAQUEAMENTO DA SUPERESTRUTURA (strengthening of the superstructure).
- Dimensions:** Horizontal dimensions include 300, 40, 810, 450, 450, and 40. Vertical dimensions include 20, 300, 100, 700, 150, and 400.
- Pier and Abutments:** The central pier and side abutments are shown with various structural details and dimensions such as 200, 120, 80, and 400.
- Axis:** A vertical dashed line indicates the EIXO DO ESTACAMENTO - RAIHO 1000 (Survey Axis - Radius 1000).

Technical drawing of a bridge cross-section showing three spans. The drawing includes dimensions for the deck, piers, and abutments. Key features include:

- Three spans with widths of 450m (PISTA), 450m (PISTA), and 300m (PASSEIO).
- Three piers with widths of 100m and 105m.
- Three abutments with widths of 100m and 105m.
- Centerline (EIXO DO ESTACAMENTO - RAMO 1000) and vertical curve (VC) and horizontal curve (VD) data.

Technical drawing of a rectangular floor plan with dimensions in meters. The overall dimensions are 92.5m by 42.5m. The central area is 70m by 25m, surrounded by a 50m wide corridor. The corridor is further divided into sections of 12.5m, 45m, and 12.5m horizontally, and 10m, 30m, and 10m vertically. The central area has a 35m by 25m inner section and a 70m by 25m outer section.

	PARA 1 RAMO	
	Vc (m³)	Af (m²)
TRAVESSA	67,07	144,53
PILARES	15,83	52,78
BLOCOS	48,0	80,0

Technical drawing of a double-row concrete drainage channel. The drawing shows two rows of square drains, each with a 100 mm x 100 mm grate. The top row has a total length of 1300 mm, with a 650 mm spacing between the first and last drain. The bottom row has a total length of 1300 mm, with a 760 mm spacing between the first and last drain. The channel is 290 mm high and 145 mm wide. A dashed line indicates a 'VER DET. 1:1' view. The drawing is labeled 'AP16' and 'AP1'.

Technical drawing showing two views of a mechanical part. The left view is a front view, and the right view is a top view.

Front View (Left):

- Overall width: 400 mm
- Overall height: 400 mm
- Central circular hole: $\varnothing 120$
- Four corner circular holes: $\varnothing 80$
- Dimensions from left edge to center of corner holes: 80 mm (horizontal), 80 mm (vertical)
- Dimensions from center of corner holes to center of central hole: 120 mm (horizontal), 120 mm (vertical)
- Dimensions from center of central hole to right edge: 120 mm
- Dimensions from center of central hole to bottom edge: 120 mm

Top View (Right):

- Overall width: 800 mm
- Overall height: 400 mm
- Central circular hole: $\varnothing 120$
- Four corner circular holes: $\varnothing 80$
- Dimensions from left edge to center of corner holes: 80 mm (horizontal), 80 mm (vertical)
- Dimensions from center of corner holes to center of central hole: 120 mm (horizontal), 120 mm (vertical)
- Dimensions from center of central hole to right edge: 120 mm
- Dimensions from center of central hole to bottom edge: 120 mm

NOTAS :

- 1_ DIMENSÕES EM CENTÍMETROS EXCETO ONDE INDICADO:
- 2_ VER NOTAS GERAIS NO DESENHO I-OAESV-X-R0/16-70-IV;
- 3_ CONCRETO ESTRUTURAL E FATOR ÁGUA/CIMENTO:

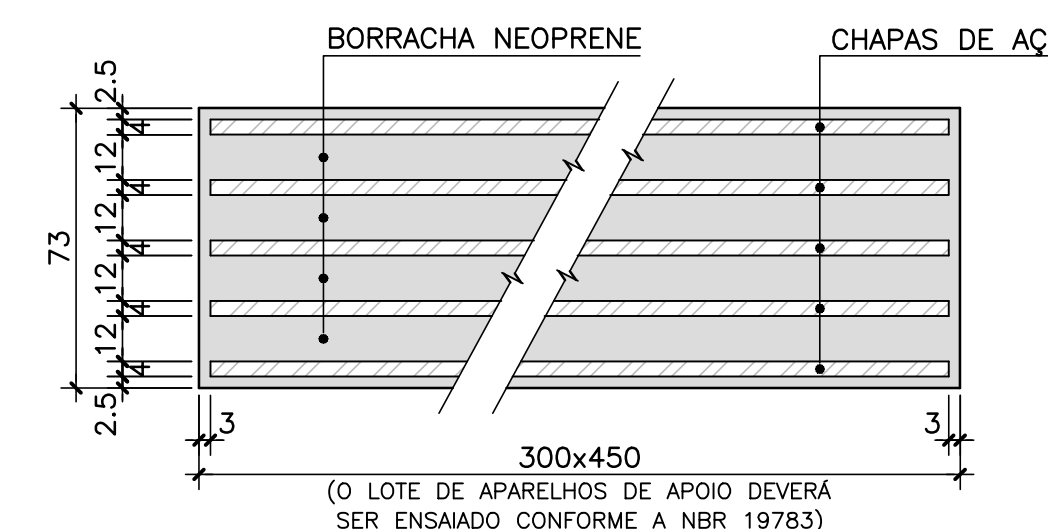
3.1_ (BLOCOS)	fck=40 MPa	- FATOR ÁGUA/CIMENTO \leq 0.45
3.2_ (PILARES)	fck=40 MPa	- FATOR ÁGUA/CIMENTO \leq 0.45
3.3_ (TRAVESSAS)	fck=40 MPa	- FATOR ÁGUA/CIMENTO \leq 0.45

		ALTURAS DOS BERÇOS	
		PÓRTICO AP04	
		LADO AP01	LADO AP16
RAMO 1000	COTA	(cm)	(cm)
	A	5,0	11,9
	B	9,4	17,4
	C	13,8	22,9
	D	18,2	23,8
	E	15,8	18,3
	F	11,4	—

LEGENDAS

DETALHE DOS APARELHOS DE APOIO

SEM ESCALA
(COTAS EM MILÍMETROS)



B	25/09/19	APROVADO	MST	AEFA	BFR
A	04/09/19	PARA APROVAÇÃO	MCR	AEFA	BFR
O	05/06/19	EMISSÃO INICIAL	MAS	AEFA	BFR
REV.	DATA	DESCRIÇÃO	EXEC.	VERIF.	APPROV.

ÍNDICE DE REVISÕES				
	OPERAÇÃO:	OS/OSA:	NÚMERO PLANAVE:	EMIÇÃO:
	1.15.285	01/00	DE-F01-B22-1029	B
	CONTRATO:	ARQUIVO:		
	158/2016	DEF01B221029B1.dwg		

SECRETARIA DE INFRAESTRUTURA URBANA

EMPREENDIMENTO:	OBRA DE ARTE ESPECIAL E READEQUAÇÃO DO SISTEMA VIÁRIO
TÍTULO:	PROJETO EXECUTIVO – OBRA DE ARTE ESPECIAL FORMA APOIO AP04 – RAMO 1000

ESCALA: INDICADA	NÚMERO CLIENTE: I-OAESV-X-R2/16-99-lv	REV.: 2
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