



Escala 1:20

Technical drawings of two bridge pier cross-sections, labeled 'a' and 'b'.

**Pier 'a' Dimensions:**

- Total height: 150
- Top width: 160
- Central opening width: 40
- Central opening height: 95
- Side wall thickness (each side): 54
- Base width: 50
- Base height: 5

**Pier 'b' Dimensions:**

- Total height: 150
- Top width: 80
- Central opening width: 21.5
- Central opening height: 95
- Side wall thickness (each side): 21.5
- Base width: 50
- Base height: 5

Labels for both piers:

- C.T.B. (Center of Top Bridge)
- C.A.P. (Center of Arch Pier)
- C.A.E. (Center of Arch End)

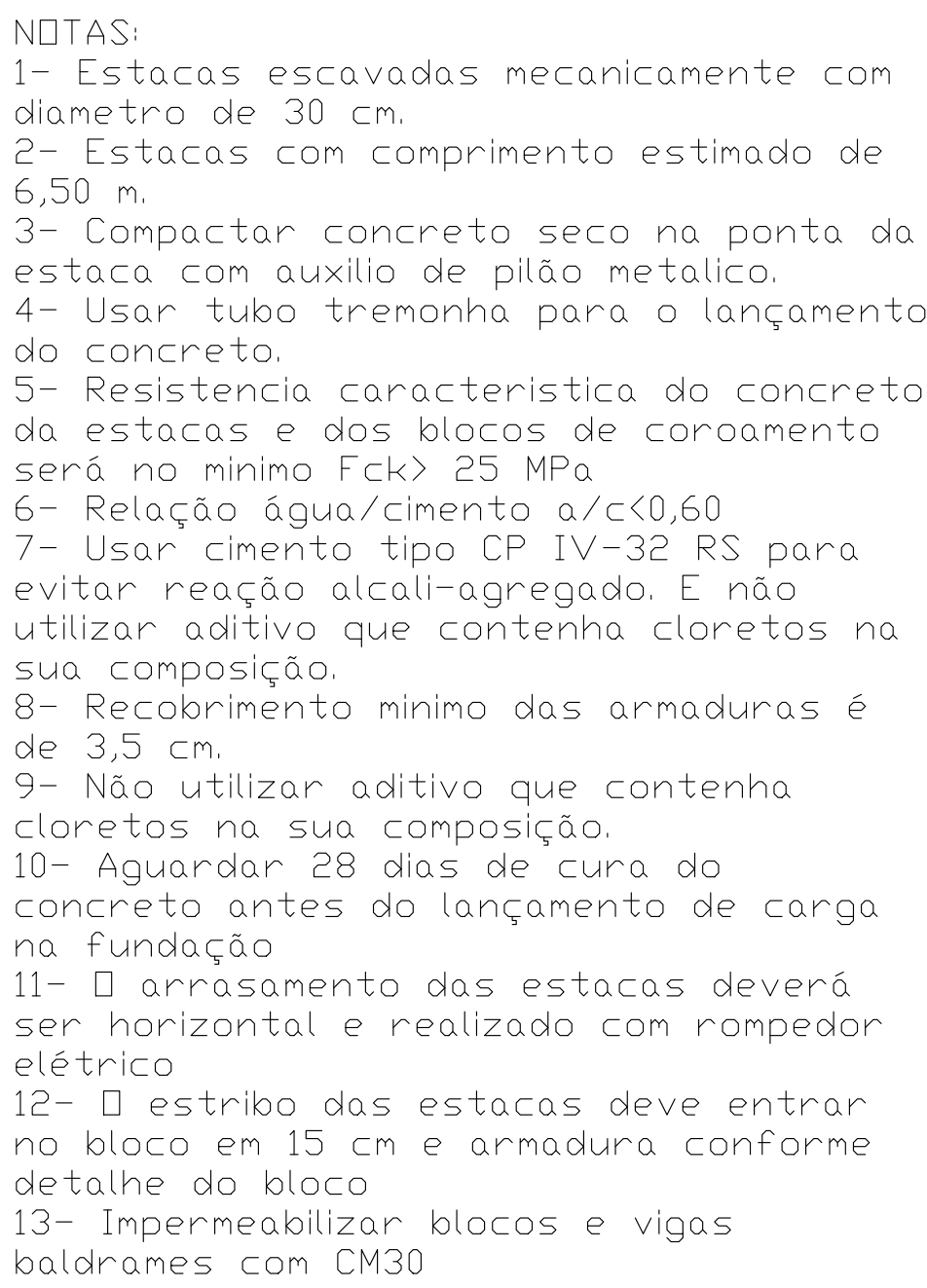
Technical drawings of two mechanical parts, 1 and 2, showing front and top views with dimensions and tolerances.

**Part 1:**

- Front View:** A rectangle with a width of 50 and a height of 40. It features a central circular hole with a diameter of 17.0. The hole is positioned 4 units from the top and 8 units from the bottom. The part is supported by two triangular bases.
- Top View:** A rectangle with a width of 44 and a height of 34. It has a small square feature in the top right corner. The dimensions are given as 4 N3 Ø 8 C=170.

**Part 2:**

- Front View:** A rectangle with a width of 50 and a height of 30. It features a central circular hole with a diameter of 10. The hole is positioned 4 units from the top and 8 units from the bottom. The part is supported by two triangular bases.
- Top View:** A rectangle with a width of 42 and a height of 33. It has a small square feature in the top right corner. The dimensions are given as 4 N1 Ø 10 C=164.



Resumo de Aço				
Aço	Ø (mm)	Comp total (m)	kg/m	Peso (kg)
CA-50	6,3	3561,12	0,245	872,47
CA-50	8	464,40	0,395	183,44
CA-50	10	1679,04	0,617	1035,97
CA-50	12,5	1568,16	0,963	1510,14
			<b>TOTAL</b>	<b>3602,02</b>

Nº DO CODIGO DE VALIDAÇÃO:

TÍTULO: PROJETO ARQUITETONICO	
ATIV./USO: GALPÃO AGRICOLA PARA DEPÓSITO	
LOCAL: IFMS - CAMPUS NAVIRAÍ RODOVIA MS 141 - KM 04 - S/N	MATRICULA: 30036
ESCALA: Indicada	DATA: NOV. 2020
CONTEÚDO: SITUAÇÃO E LOCAÇÃO	
PRANCHA	
ÁREA TOTAL DO IMÓVEL	70.000,00m <sup>2</sup>
ÁREA EDIFICADA A EXECUTAR GALPÃO AGRÍCOLA	655,8 M <sup>2</sup>
ÁREA EDIFICAÇÕES FUTURAS	
BLOCO H	1.756,76m <sup>2</sup> (previsto 2021)
QUADRA POLIESPORTIVA	785,00m <sup>2</sup> (previsto 2021)
BLOCO DIDÁTICO - TERREO	2.033,96m <sup>2</sup>
BLOCO DIDÁTICO - SUPERIOR	1.168,90m <sup>2</sup>
REFEITÓRIO	456,08m <sup>2</sup>
RESERVATÓRIO (180.000 L)	12,56m <sup>2</sup>
TAXA OCUPAÇÃO	8,07%
COEFICIENTE APROVEITAMENTO	0,088
TAXA DE PERMEABILIDADE	85,10%

01/03

AUTOR DO PROJETO	PROPRIETARIO(S)
ALEXANDRE ZANELLA ENGENHEIRO CIVIL CREA: 3153	
	INSTITUTO FEDERAL DE MATO GROSSO DO SUL CNPJ: 10.673.078/0001-20