

## BANCO EM CONCRETO ARMADO - CAIS

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and labels.

**Top View:**

- Overall width: 24
- Overall height: 190
- Label: 2 N3  $\emptyset 6.3$  C=238
- Internal width: 170
- Internal height: 34

**Front View:**

- Overall width: 24
- Overall height: 190
- Label: 2 N4  $\emptyset 6.3$  C=238
- Internal width: 170
- Internal height: 34

**Side View:**

- Overall width: 24
- Overall height: 190
- Label: 2 N3  $\emptyset 6.3$  C=238
- Internal width: 170
- Internal height: 34

**Bottom View:**

- Overall width: 24
- Overall height: 190
- Label: 2 N4  $\emptyset 6.3$  C=238
- Internal width: 170
- Internal height: 34

**Dimensions:**

- 2 N2
- 6 N1 c/30
- 2 N2
- 32
- 190
- 32
- 2 N7  $\emptyset 6.3$  C=254
- 190
- 32
- 2 N8  $\emptyset 6.3$  C=254
- 190
- 32

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	6	151	1.057
50	2	5.0	4	131	524
50	3	6.3	2	238	476
50	4	6.3	2	238	476
50	5	6.3	2	238	476
50	6	6.3	2	238	476
50	7	6.3	2	254	508
50	8	6.3	2	254	508
50	9	12.5	18	33	594

## RELAÇÃO DO AÇO

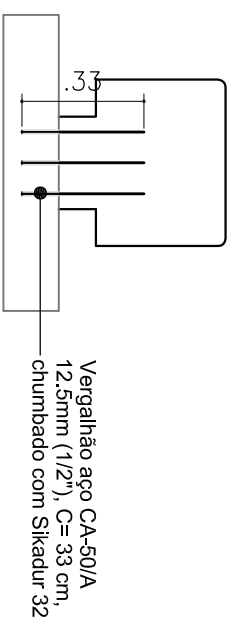
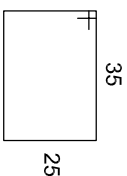
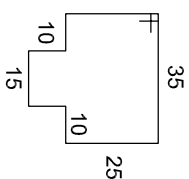
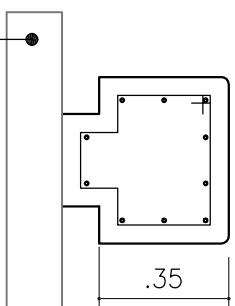
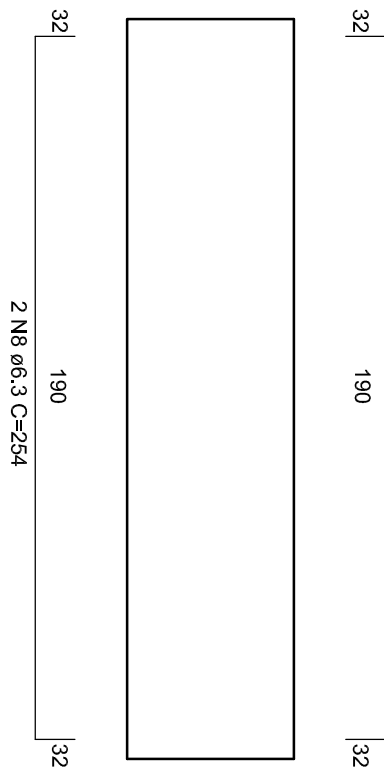
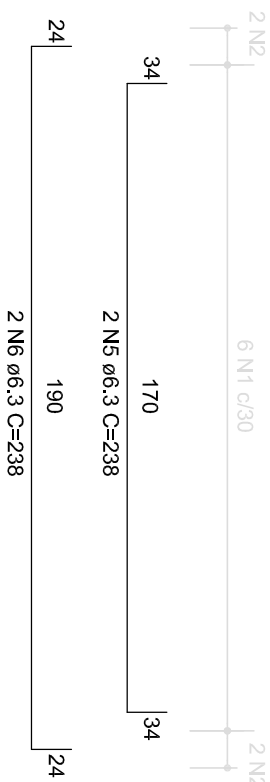
## RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA60	5.0	15.81	2.52
CA50	6.3	29.20	7.86
CA50	12.5	5.94	6.35

Vol. de concreto total =  $0.36 \text{ m}^3$   
Área de forma total =  $9.52 \text{ m}^2$

SEÇÃO A-A

ESC 1:25



### DETALHE DA ANCORAGEM DOS BANCO

COR	PENA	ESP.
1	7	0,10
2	7	0,20
3	7	0,30
4	7	0,40
5	7	0,50
6	7	0,60
7	7	0,10
8	7	0,05
252	252	0,10
253	253	0,10



## EMPRESA MARANHENSE DE ADMINISTRAÇÃO PORTUÁRIA

E M A P

GOVERNO DO ESTADO DO MARANHÃO

**TÍTULO:**

# PROJETO URBANÍSTICO DE REQUALIFICAÇÃO DO CAIS DE SÃO JOSÉ DE RIBAMAR

LOGO:

**Nº CONTRATADA:**

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RESP. TÉCNICO:

PROJETO:	
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## ESTRUTURAL DOS BANCOS DO CAIS

**Nº EMAP:**

DS-21-5001-0018-K00

DATA:

ESCALA:

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REVISÃO:

Nº PRANCHAS

01

To