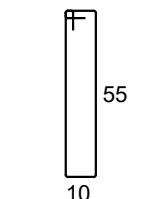
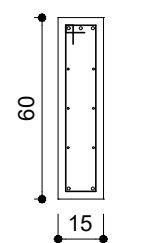
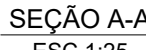
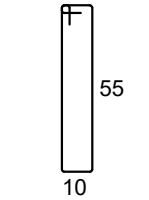
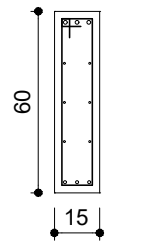
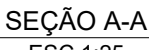


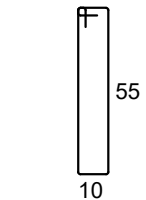
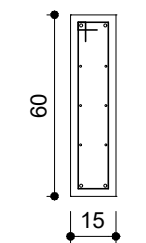
ESC 1:50



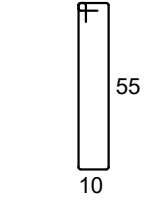
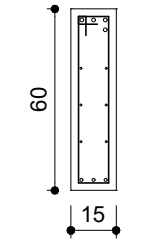
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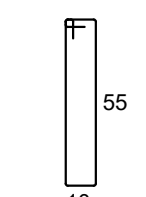
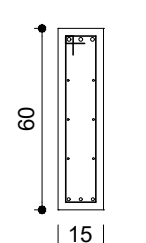
ESC 1:50



ESC 1:50

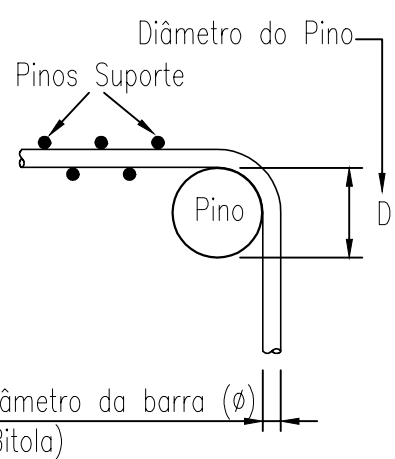


ESC 1:50



Bitola (mm.)	Diâmetro (D) dos Pinos de Dobramento* (mm.)
6,3	32
8,0	40
10,0	50
12,5	63
16,0	80
20,0	160
25,0	200
32,0	256

* CONFORME ABNT NBR 6118.



Technical drawing of a U-shaped component. The component has a central vertical section and two horizontal sections extending from the top. The thickness of the material is indicated as 2 on both the left and right sides. There are four circular holes: two on the left horizontal section and two on the right horizontal section. The drawing includes a break symbol (a zigzag line) on the top horizontal section, indicating that the component is longer than shown.

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CAR0	1	5.0	42	141	5922
	CAS0	2	6.3	6	916	5496
	CAS0	3	10.0	9	931	1862
V2	CAS0	4	10.0	1	588	588
	CAS0	5	10.0	2	943	1886
	CAR0	1	5.0	117	141	16497
	CAS0	2	6.3	6	1198	7176
	CAS0	3	6.3	6	1200	7200
	CAS0	4	6.3	6	1867	1122
	CAS0	5	10.0	2	935	1870
	CAS0	6	10.0	1	350	350
	CAS0	7	10.0	2	1030	2060
	CAS0	8	10.0	2	961	1122
	CAS0	9	12.5	1200	3600	3600
V3	CAS0	10	12.5	1	239	239
	CAS0	11	12.5	2	1197	2394
	CAR0	12	12.5	2	299	598
	CAS0	1	5.0	1	141	5922
	CAS0	2	6.3	6	916	5496
V4	CAS0	3	10.0	2	931	1862
	CAS0	4	10.0	4	943	1886
	CAR0	1	5.0	116	141	16356
	CAS0	2	6.3	12	1200	14400
	CAS0	3	6.3	6	177	1082
	CAS0	4	10.0	937	300	1674
	CAS0	5	10.0	1	365	365
V5	CAS0	6	10.0	2	1035	2070
	CAS0	7	10.0	2	564	1128
	CAS0	8	12.5	3	300	300
	CAS0	9	12.5	3	1200	3600
	CAS0	10	12.5	1	674	604
	CAS0	11	12.5	1197	2394	2394
	CAS0	12	12.5	2	203	404
	CAR0	1	5.0	44	141	6204
	CAS0	2	6.3	6	926	5556
	CAS0	3	8.0	241	462	462
V6	CAS0	4	10.0	1	351	351
	CAS0	5	10.0	2	935	1870
	CAS0	6	10.0	2	127	254
	CAS0	7	12.5	1	310	310
V7	CAS0	8	12.5	2	615	1230
	CAS0	8	12.5	2	615	1230

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	475.1	127.9
	8.0	4.8	2.1
	10.0	214	145.1
	12.5	158.2	167.6
CA60	5.0	509	86.3
PESO TOTAL (kg)			
CA50	442.7		
CA60	86.3		

Volume de concreto (C-30) = 6.38 m³

Área de forma = 71.10 m²

- ### 1- Materials:

- * Concreto: C30 ($f_{ck} = 30\text{MPa}$)
 * Aço: CA50 ($\varnothing 6,3\text{mm}$) e CA60 ($\varnothing > 5,0\text{mm}$);
 * Diâmetro máximo do agregado graúdo: 15mm;

- ## 2- Cobrimentos das ferragens:

*Vigas = 25 mm

- 3- Cotas e desníveis em centímetros;

- 4- As barras de aço deverão ser convenientemente limpas de qualquer substância prejudicial à aderência, retirando-se as escamas eventualmente destacadas por oxidação. Ainda as barras excessivamente danificadas deverão ser descartadas;

REVISÃO	DESCRIÇÃO	REVISADO POR	DATA
REVISÃO 00	EMISSIONAL INICIAL	HELIO	30/10/2023
REVISÃO 01	REVISÃO GERAL	HELIO	22/07/2024

SECRETARIA DE ESTADO DA SEGURANÇA PÚBLICA

 **SERGIPE**
GOVERNO DO ESTADO

DIRETORIA DE ARQUITETURA E EDIFICAÇÕES
PRAÇA TOBIAS BARRETO, nº 20, BAIRRO SÃO JOSÉ
CEP: 49050-220 ARACAJU/SE
TELS: (79) 3216-5454 / (79) 98851-9337

TIPO DE PROJETO:	PROJETO ESTRUTURAL	Nº DA PRANCHA
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ASSUNTO: COMPLEXO ESPORTIVO
VIGAS DA COBERTURA

ENDEREÇO:
R. 8, 480 - Distrito Industrial, Nossa Sra. do Socorro/SE, 49160-000

AUTOR DO PROJETO: ENG. HELIO GUIMARÃES ARAGÃO

RESPONSÁVEL TÉCNICO: ENG. HELIO ARAGÃO CREA: 36799

ESCALA: 1/25	DATA: 10/2023	DESENHISTA: UILMA	LEVANTAMENTO:
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