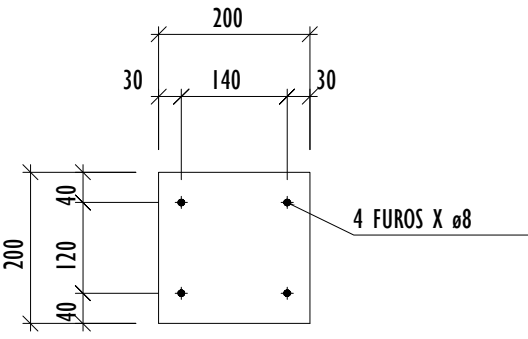
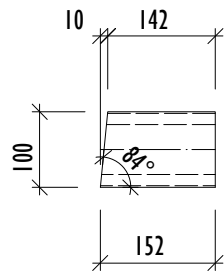
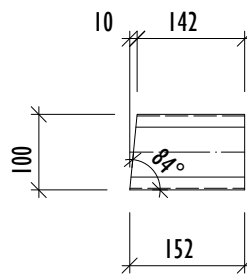




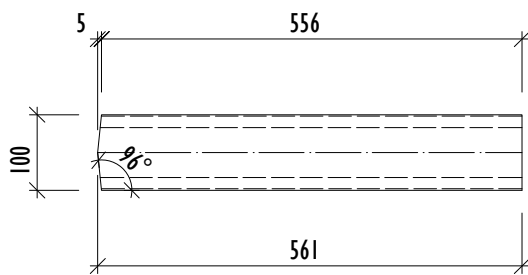
56x **BPI** PI 7.94x200x200 - A36
ESCALA 1:10



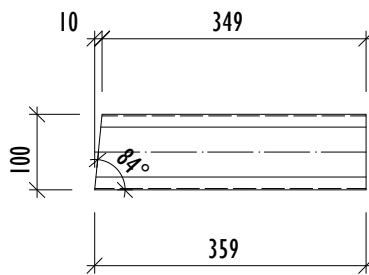
18x **CI** 100x50x17x2,0 MM - A36
ESCALA 1:10



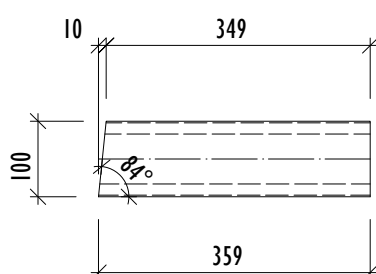
18x **C2** 100x50x17x2,0 MM - A36
ESCALA 1:10



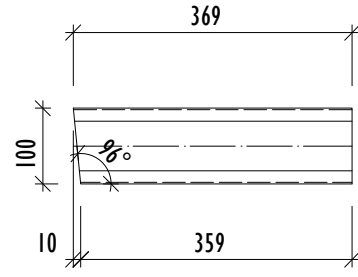
16x **C3** 100x50x17x2,0 MM - A36
ESCALA 1:10



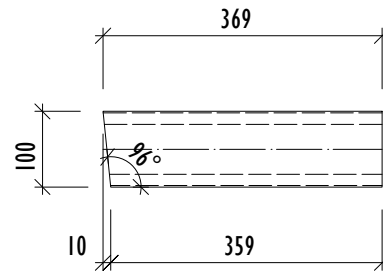
10x **C4** 100x50x17x2,0 MM - A36
ESCALA 1:10



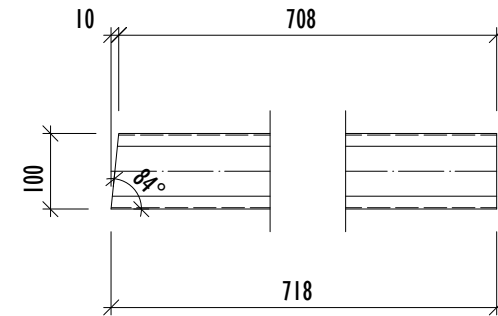
10x **C5** 100x50x17x2,0 MM - A36
ESCALA 1:10



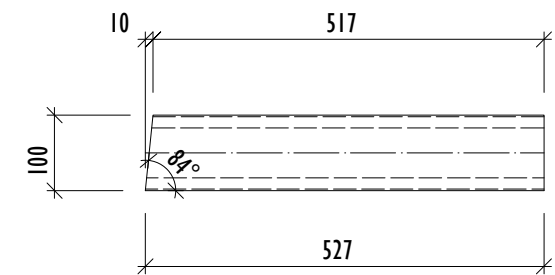
7x **C6** 100x50x17x2,0 MM - A36
ESCALA 1:10



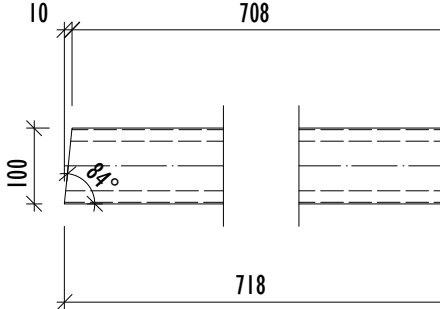
7x **C7** 100x50x17x2,0 MM - A36
ESCALA 1:10



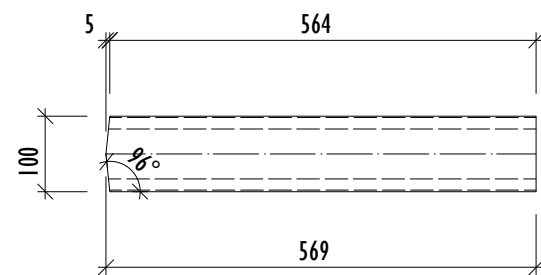
2x **C8** 100x50x17x2,0 MM - A36
ESCALA 1:10



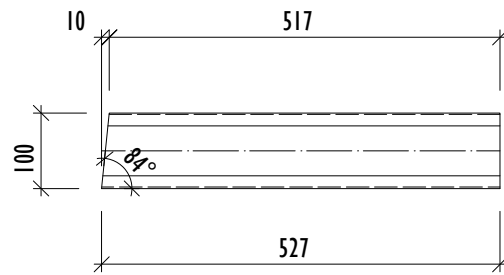
2x **CI2** 100x50x17x2,0 MM - A36
ESCALA 1:10



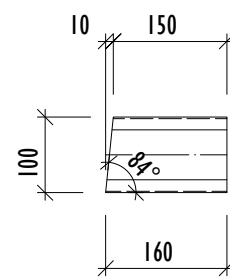
2x **C9** 100x50x17x2,0 MM - A36
ESCALA 1:10



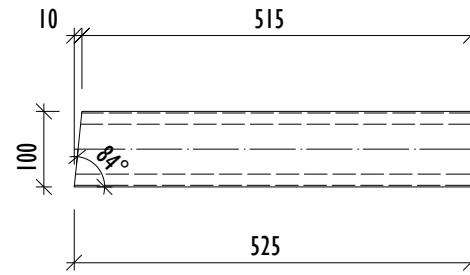
2x **CI0** 100x50x17x2,0 MM - A36
ESCALA 1:10



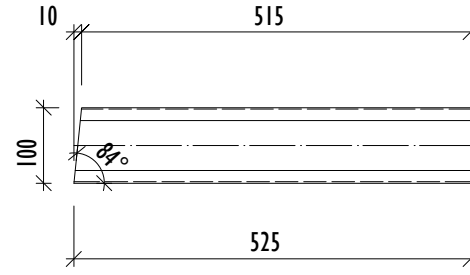
2x **CI1** 100x50x17x2,0 MM - A36
ESCALA 1:10



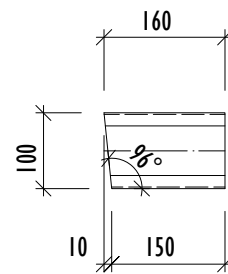
2x **CI6** 100x50x17x2,0 MM - A36
ESCALA 1:10



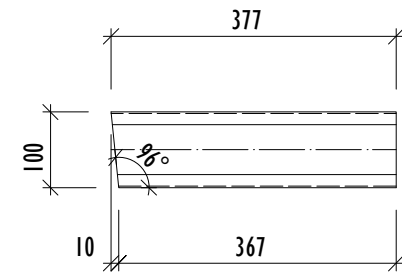
2x **CI3** 100x50x17x2,0 MM - A36
ESCALA 1:10



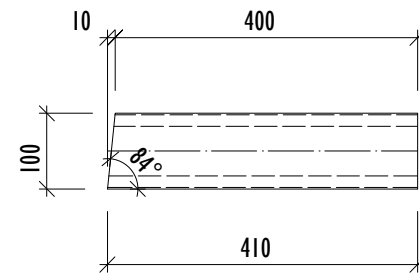
2x **CI4** 100x50x17x2,0 MM - A36
ESCALA 1:10



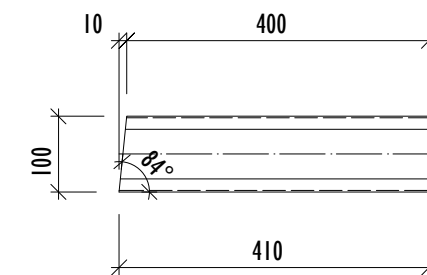
2x **CI5** 100x50x17x2,0 MM - A36
ESCALA 1:10



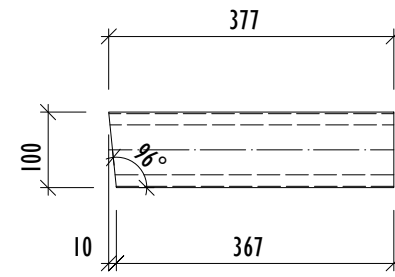
1x **C20** 100x50x17x2,0 MM - A36
ESCALA 1:10



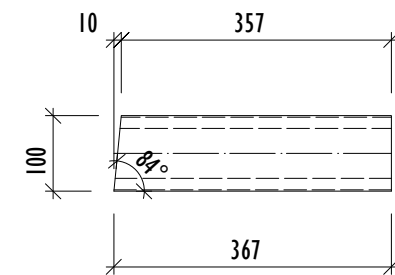
1x **CI7** 100x50x17x2,0 MM - A36
ESCALA 1:10



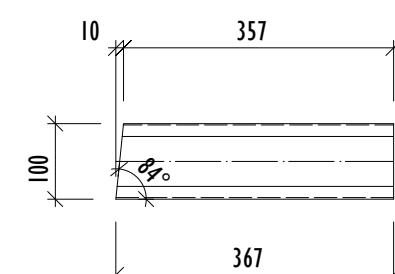
1x **CI8** 100x50x17x2,0 MM - A36
ESCALA 1:10



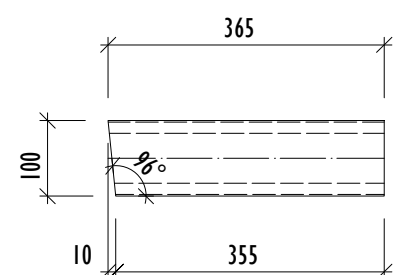
1x **CI9** 100x50x17x2,0 MM - A36
ESCALA 1:10



1x **CI1** 100x50x17x2,0 MM - A36
ESCALA 1:10

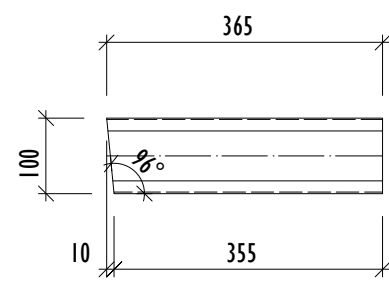


1x **C22** 100x50x17x2,0 MM - A36
ESCALA 1:10

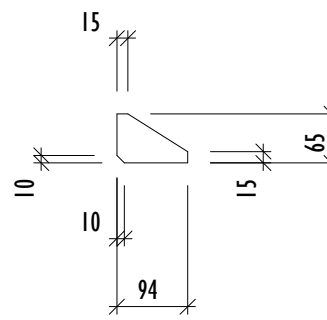


1x **C23** 100x50x17x2,0 MM - A36
ESCALA 1:10

TABELA DE PERFIS						
MARCA	QTD.	DESCRIÇÃO	COMP.	CLASSE	KG PEÇA	KG TOTAL
BP1	56	PI 7.94x200x200	200	A36	2.49	139.62
C1	18	100x50x17x2,0 MM	152	A36	0.54	9.72
C2	18	100x50x17x2,0 MM	152	A36	0.54	9.72
C3	16	100x50x17x2,0 MM	561	A36	1.99	31.86
C4	10	100x50x17x2,0 MM	359	A36	1.27	12.75
C5	10	100x50x17x2,0 MM	359	A36	1.27	12.75
C6	7	100x50x17x2,0 MM	369	A36	1.31	9.17
C7	7	100x50x17x2,0 MM	369	A36	1.31	9.17
C8	2	100x50x17x2,0 MM	718	A36	2.55	5.09
C9	2	100x50x17x2,0 MM	718	A36	2.55	5.09
CI0	2	100x50x17x2,0 MM	569	A36	2.02	4.04
CI1	2	100x50x17x2,0 MM	527	A36	1.87	3.74
CI2	2	100x50x17x2,0 MM	527	A36	1.87	3.74
CI3	2	100x50x17x2,0 MM	525	A36	1.86	3.73
CI4	2	100x50x17x2,0 MM	525	A36	1.86	3.73
CI5	2	100x50x17x2,0 MM	160	A36	0.57	1.14
CI6	2	100x50x17x2,0 MM	160	A36	0.57	1.14
CI7	1	100x50x17x2,0 MM	410	A36	1.46	1.46
CI8	1	100x50x17x2,0 MM	410	A36	1.46	1.46
CI9	1	100x50x17x2,0 MM	377	A36	1.34	1.34
C20	1	100x50x17x2,0 MM	377	A36	1.34	1.34
C21	1	100x50x17x2,0 MM	367	A36	1.3	1.3
C22	1	100x50x17x2,0 MM	367	A36	1.3	1.3
C23	1	100x50x17x2,0 MM	365	A36	1.3	1.3
C24	1	100x50x17x2,0 MM	365	A36	1.3	1.3
ENR1	90	PI 10x93.65x65	94	A36	0.32	28.7
	258	PESO COMBINADO				305.66



1x **C24** 100x50x17x2,0 MM - A36
ESCALA 1:10



90x **ENR1** PI 10x93.65x65 - A36
ESCALA 1:10

NOTAS GERAIS:

- A OBRA DEVERÁ SER ACOMPANHADA POR PROFISSIONAIS DEVIDAMENTE HABILITADOS E REGISTRADOS NO CREA.
- MATERIAIS — AÇOS ESTRUTURAIS:
 - PERFIS DOBRADOS A FRIO: ASTM A36 — FY = 250MPa.
 - CHAPAS, QUANDO NÃO ESPECIFICADAS: ASTM A36 — FY = 250 MPa.
- AS MEDIDAS DA ESTRUTURA DE AÇO ESTÃO EXPRESSAS EM MILÍMETROS, CONFORME A NBR 8800.
- NÃO É PERMITIDA QUALQUER ALTERAÇÃO NOS ELEMENTOS ESTRUTURAIS SEM PRÉVIA CONSULTA AO ENGENHEIRO CALCULISTA.
- QUALQUER MODIFICAÇÃO ESTRUTURAL DEVERÁ SER OBJETO DE ESTUDO TÉCNICO, REGISTRADA NO CADERNO DE OBRAS E ACOMPANHADA DA EMISSÃO DA ANOTAÇÃO DE RESPONSABILIDADE TÉCNICA (ART).
- ELETRODOS UTILIZADOS:
 - PARA PERFIS FORMADOS A FRIO: E70xx.
- EM CONFORMIDADE COM A NORMA ISO 12944:2018 E CONSIDERANDO A CLASSE DE CORROSIVIDADE C3, DEVERÁ SER ADOTADO SISTEMA DE PINTURA COM DURABILIDADE ALTA (15 A 25 ANOS).
 - UMA DEMÃO DE FUNDO COM PRIMER EPÓXI COM 75µm DE ESPESSURA;
 - UMA CAMADA INTERMEDIÁRIA EPÓXI ALTO SÓLIDOS COM 125µm;
 - UMA DEMÃO DE TINTA POLIURETÂNICA COM 60µm.
 - TOTALIZANDO 260µm DE ESPESSURA SECA.

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
01	REVISÃO	05/2026	LO	LS	SL
00	EMIÇÃO INICIAL	04/26	LO	LS	SL
CONTRATADA:		Nº: Sinval Ladeira			
		REG. CREA: 28.498/D		Assinatura do fornecedor digital por SINVAL LADEIRA:13197247672	
		Ass: SINVAL LADEIRA:13197247672		Data: 05/04/2026 13:11:04:24	

CONTRATANTE:	PREFEITURA MUNICIPAL DE JUIZ DE FORA				
ENDEREÇO:	JUIZ DE FORA/MG				
PROGRAMA:	UBS VALADARES				
TÍTULO E CONTEÚDO:	PROJETO ESTRUTURAL METÁLICO - COBERTURA 02 DETALHAMENTO DAS PEÇAS				
DATA:	MAIO/2026	ESCALA:	INDICADA	FOLHA:	07/09
ARQUIVO:	ESTM-PE-JF691-VLDR-042026-R01				