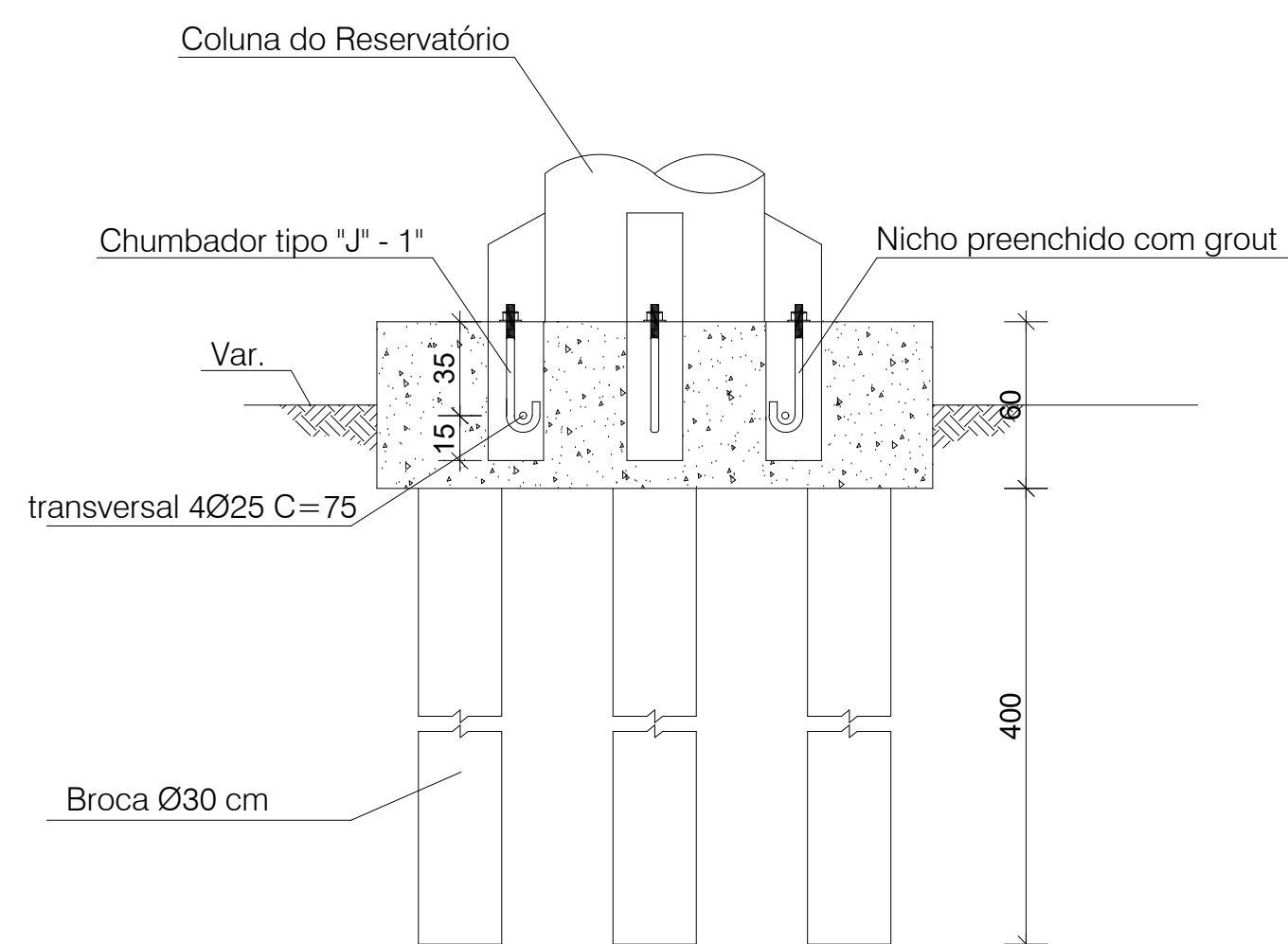
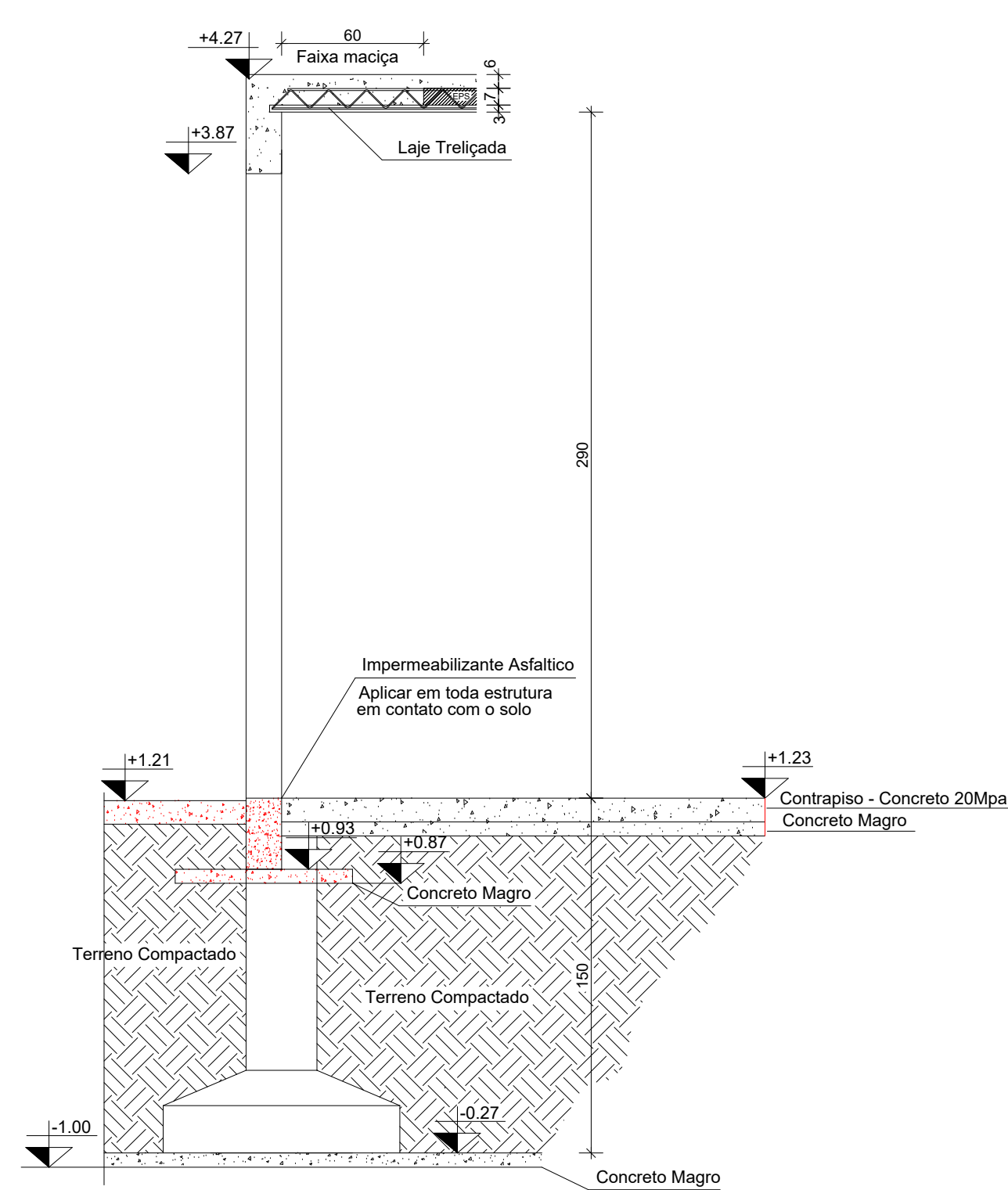
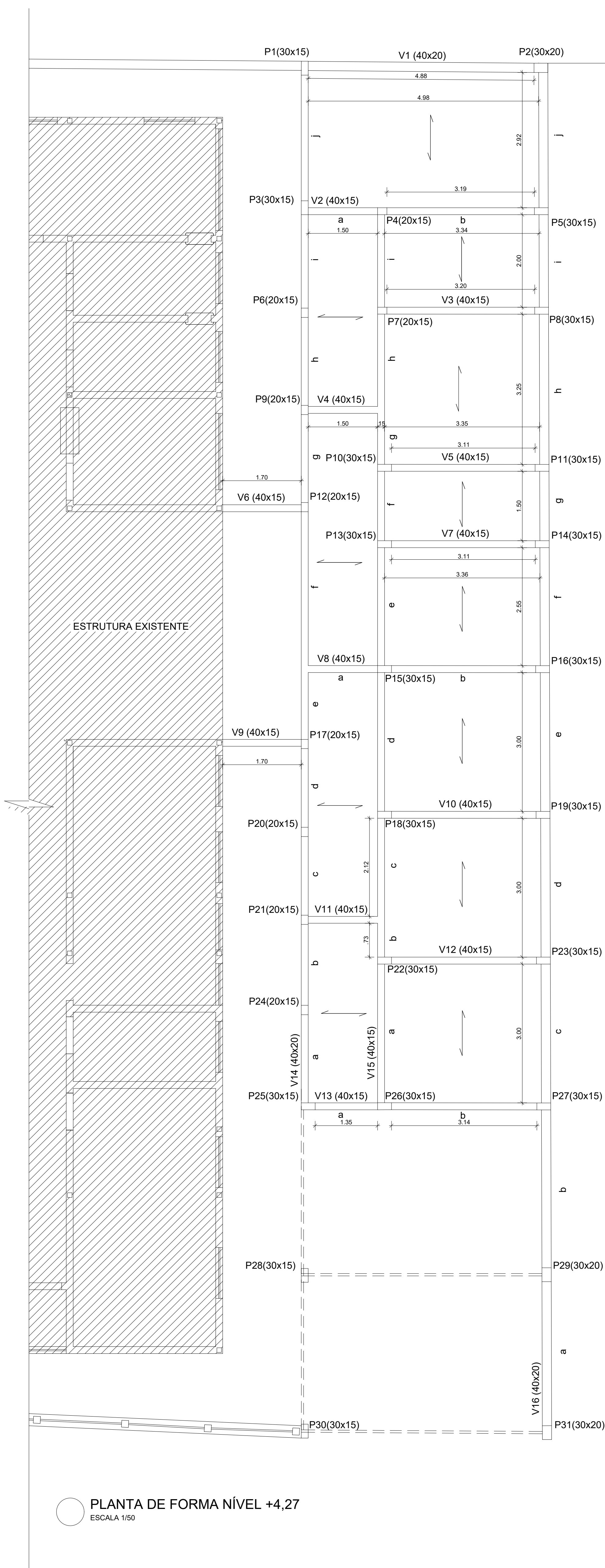




NOTAS GERAIS PARA ESTRUTURA DE CONCRETO ARMADO

- 1- PARA REALIZAÇÃO DESTA PROPOSTA OS REQUISITOS MÍNIMOS FORMAM CONSIDERAÇÃO E DEVEM SER RESPECTADOS
- 2- NORMAS DE ADOÇÃO:
 - NBR 6118 - PROJETO DE CÁLCULO DE CONCRETO
 - NBR 6119 - CÁRGIA PARA O CÁLCULO DE ESTRUTURAS DE EDIFICAÇÕES
 - NBR 6120 - PROJETO E CÁLCULO DE FUNDAÇÕES
 - NBR 9063 - CONCRETO PARA FIBRA ARMADA
 - NBR 12216 - PREVENÇÃO CONTRA A FISSURAÇÃO DO CONCRETO
- 3- CLASSE DE RESISTÊNCIA ARMATURAL:
 - DE ACORDO COM NBR 6118 - ITEM 7.4.2 - TABELA 1
 - CLASSE 1 (MODERADA - URBANA)
- 4- REALIZAÇÃO ALCALIVAMENTO EM MASSA (NBR 6118 - ITEM 7.4.2 - TABELA 1 - CL. 1)
 - CLASSE 1 (MODERADA - URBANA)
- 5- CLASSE DO CONCRETO:
 - DE ACORDO COM NBR 6118 - ITEM 7.4.2 - TABELA 1
 - CLASSE 1 (MODERADA - URBANA)
 - CLASSE C-30 / F-30 MPa
- 6- CONSERVATIVIDADE DAS ARMATURAS:
 - DE ACORDO COM NBR 6118 - ITEM 7.4.7 - TABELA 2
 - GERAL - 3,0% FUNDADAÇÃO - 4,0%
- 7- LÍMITES PARA FISSURAÇÃO E PROTEÇÃO DAS ARMATURAS:
 - DE ACORDO COM NBR 6118 - ITEM 7.4.2 - TABELA 3
 - ELC - W - 0,3 mm
- 8- CATEGORIA DO AÇO:
 - CA - CO - 50
 - RA - 500 MPa - 400 MPa

		NOTAS	
REFERÊNCIAS		REVISÕES	


PREFEITURA MUNICIPAL DE VOLTA REDONDA
 GOVERNO ANTÔNIO FRANCISCO NETO
 SECRETARIA MUNICIPAL DE SAÚDE

PROJETO ESTRUTURAL	Fih. 01/06
REFORMA DA UNIDADE BÁSICA DE SAÚDE DA FAMÍLIA VEREADOR ADÃO PEDRO ALVES	
Endereço: Av.Pelotas, 149 - Belmonte	
Volta Redonda - RJ - CEP: 27274-205	

PROJETO DE FORMA		ESCALA INDICADA
ÁREAS	LOCALIZAÇÃO	
Área do Terreno..... 444,12 m² Área Existente..... 223,86 m² À Construir 165,86 m² TOTAL..... 389,72 m²		

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Proprietário Autor do projeto

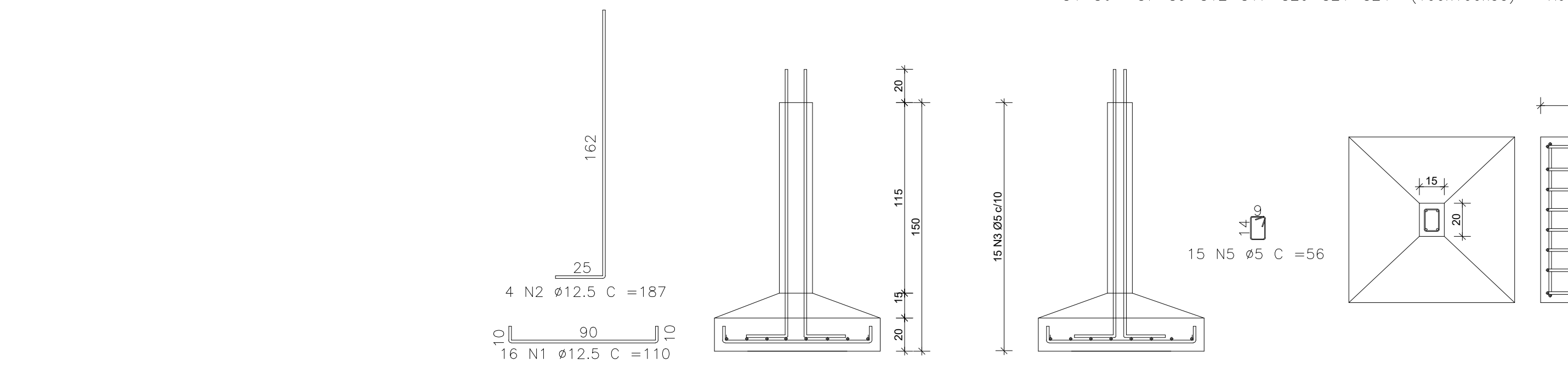
Prefeitura Municipal de Volta Redonda - RJ
Instituto de Pesquisa e Planejamento Urbano de Volta Redonda

Departamento de Controle Urbanístico

PROJETO APROVADO	Processo Nº	FL. Nº

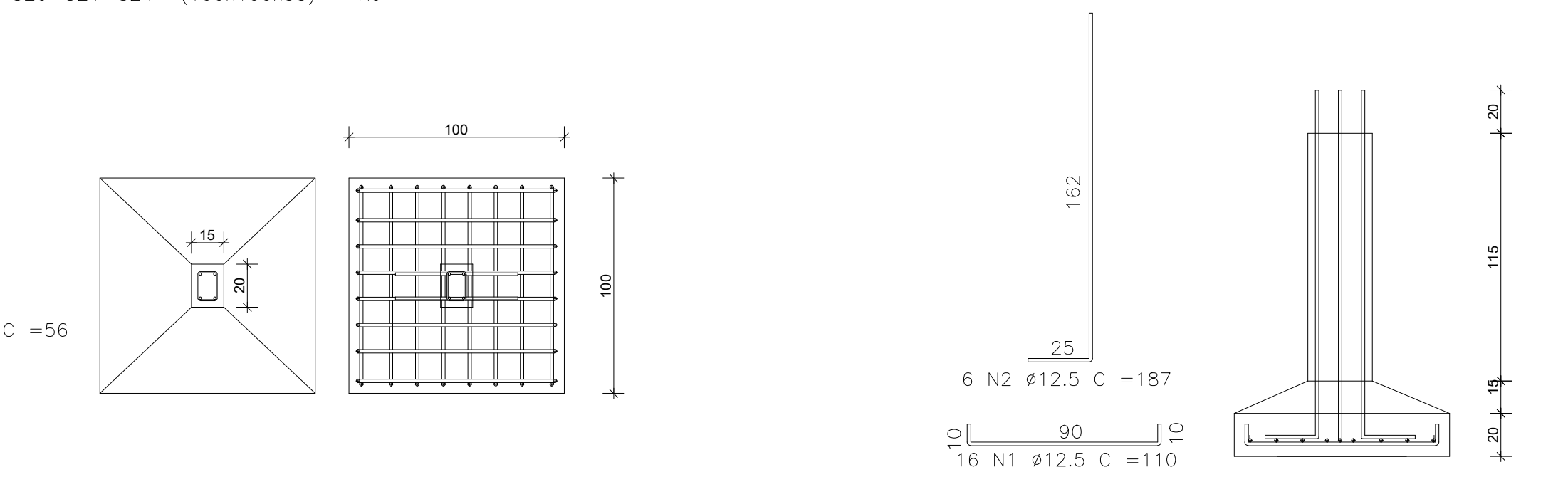
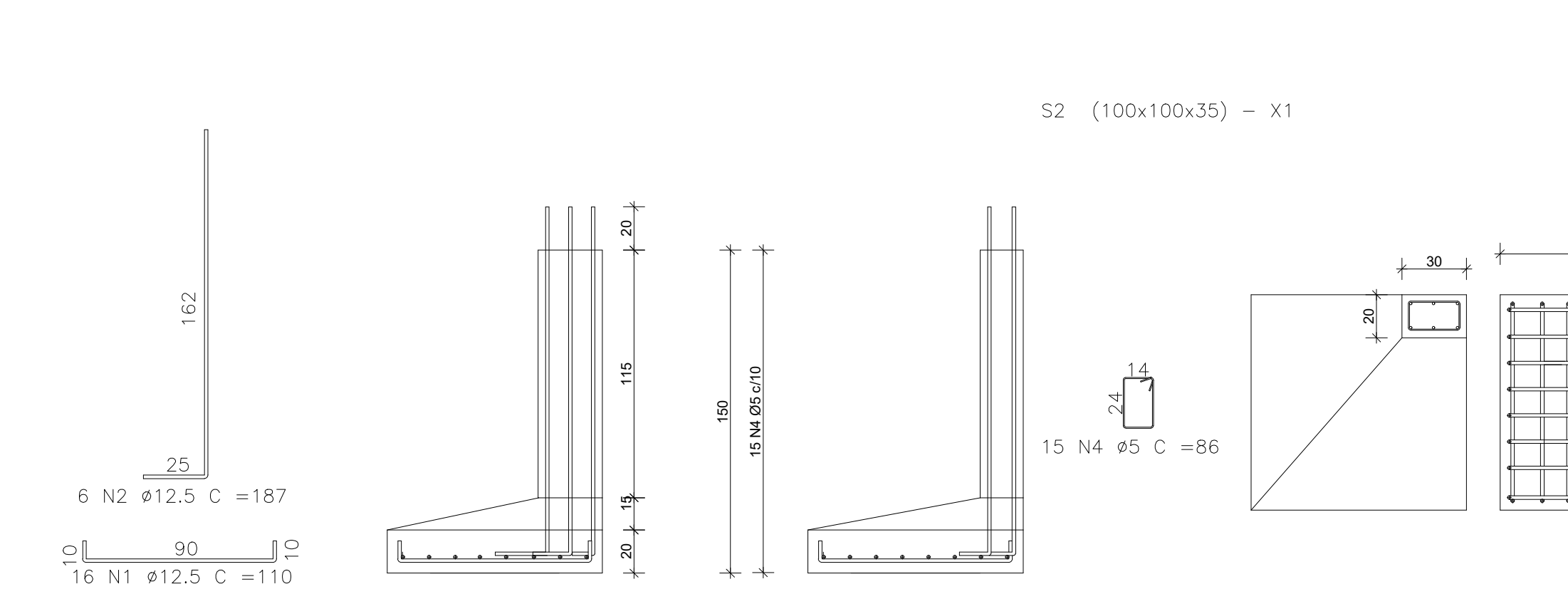
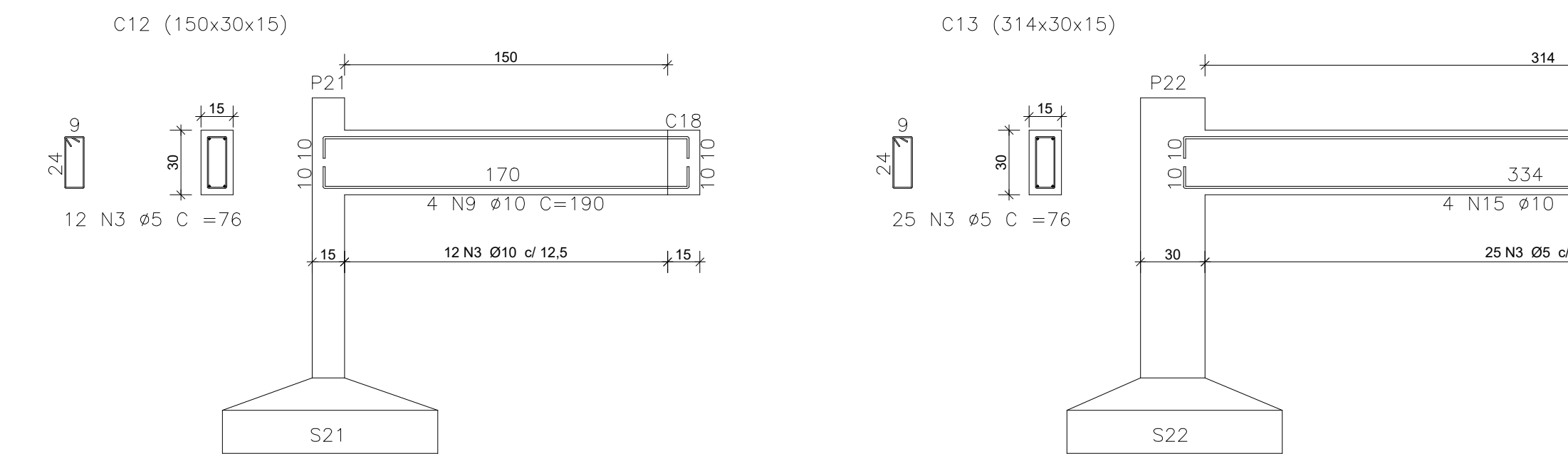
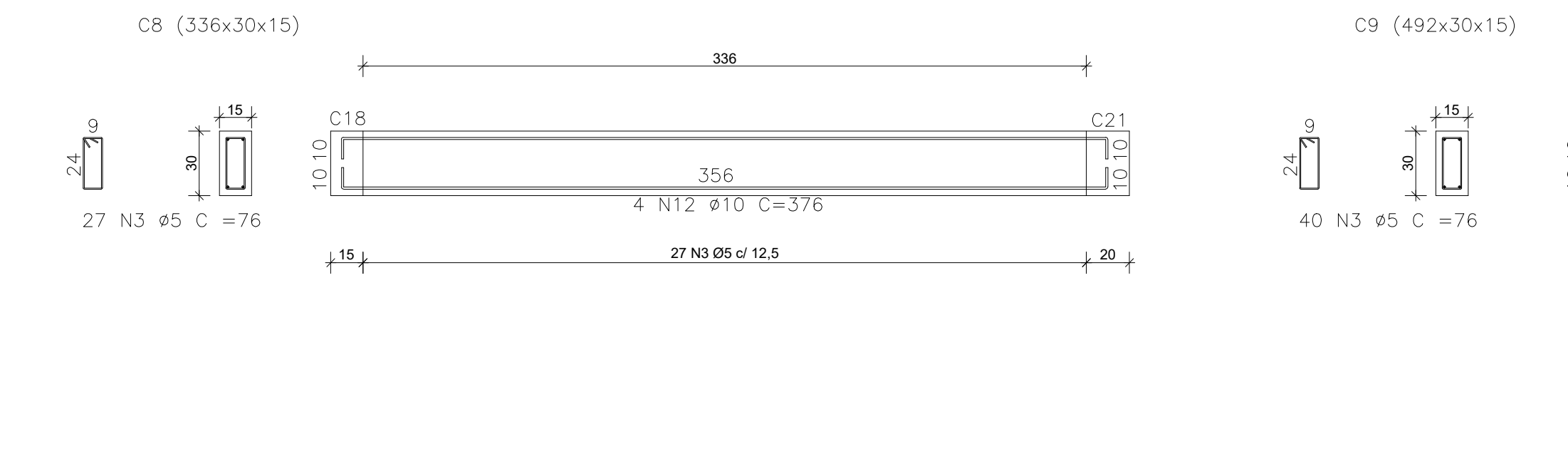
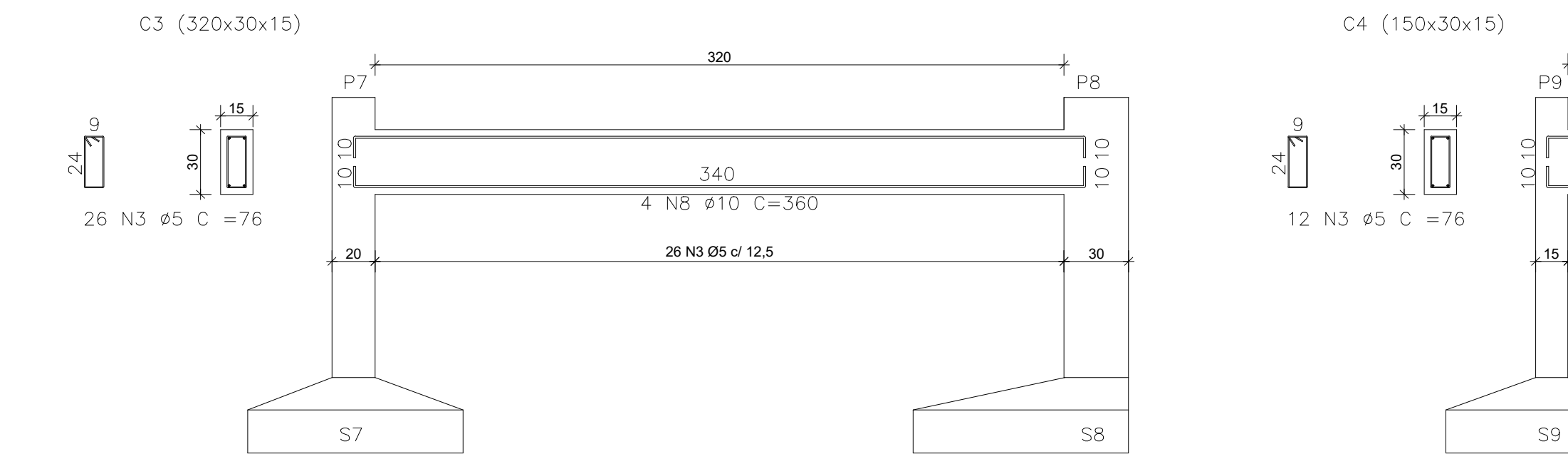
Assinatura Data Carimbo Assinatura Data Carimbo

S1=S5=S8=S11=S14=S16=S19=S23=S27 (100x100x35) - X9



C16 (506x30x15)

Technical drawing of a C16 channel section. The drawing shows a side view with dimensions: height 30, flange width 15, and web thickness 2.4. It also shows a front view with dimensions: total width 40, flange width N3, web width 5, and total depth C=76. The drawing is labeled with 'P28' at the top and 'S28' at the bottom.

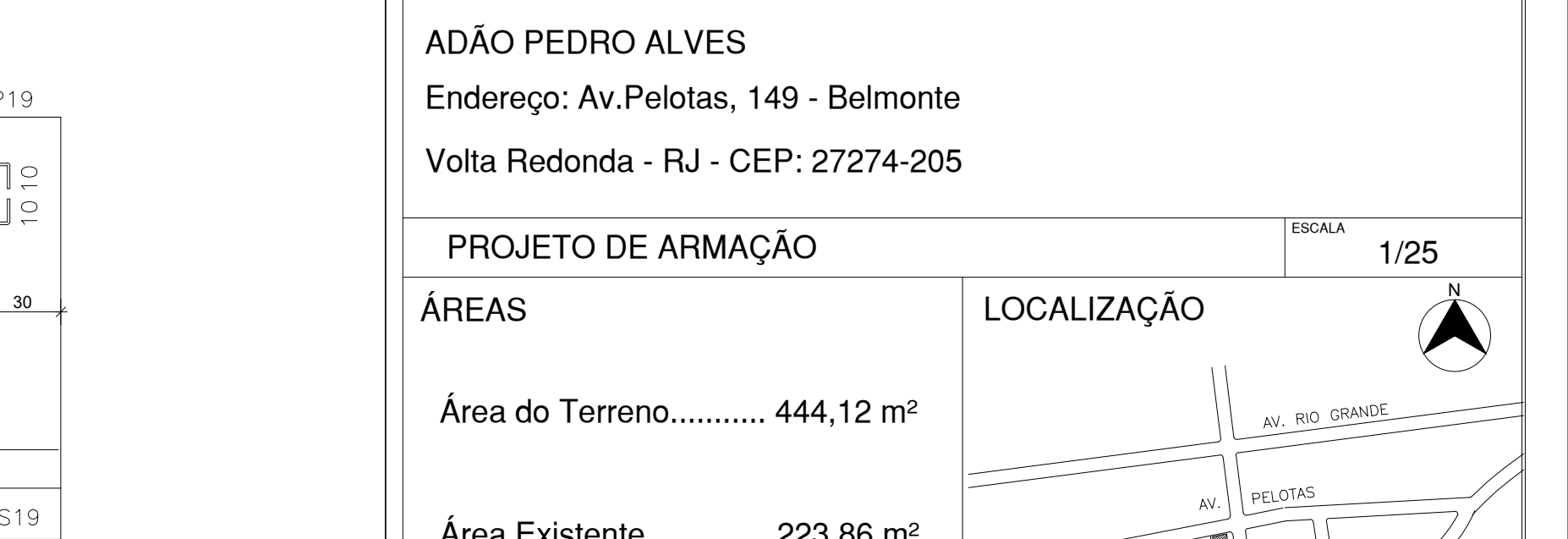
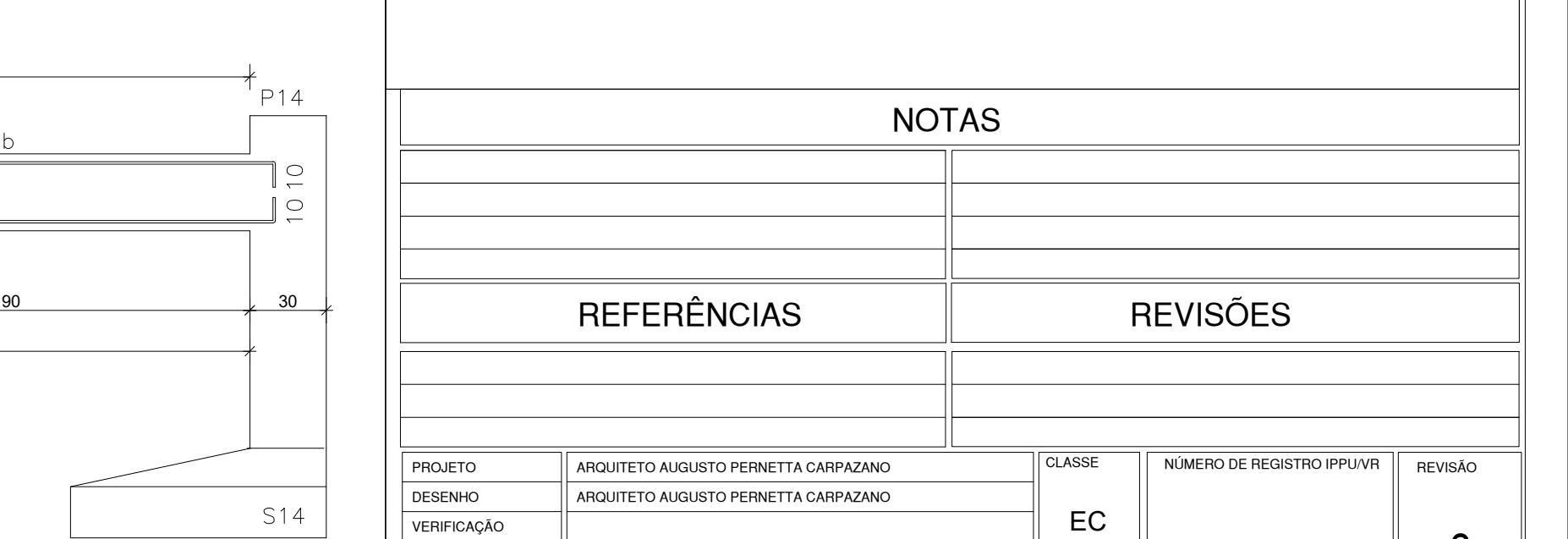
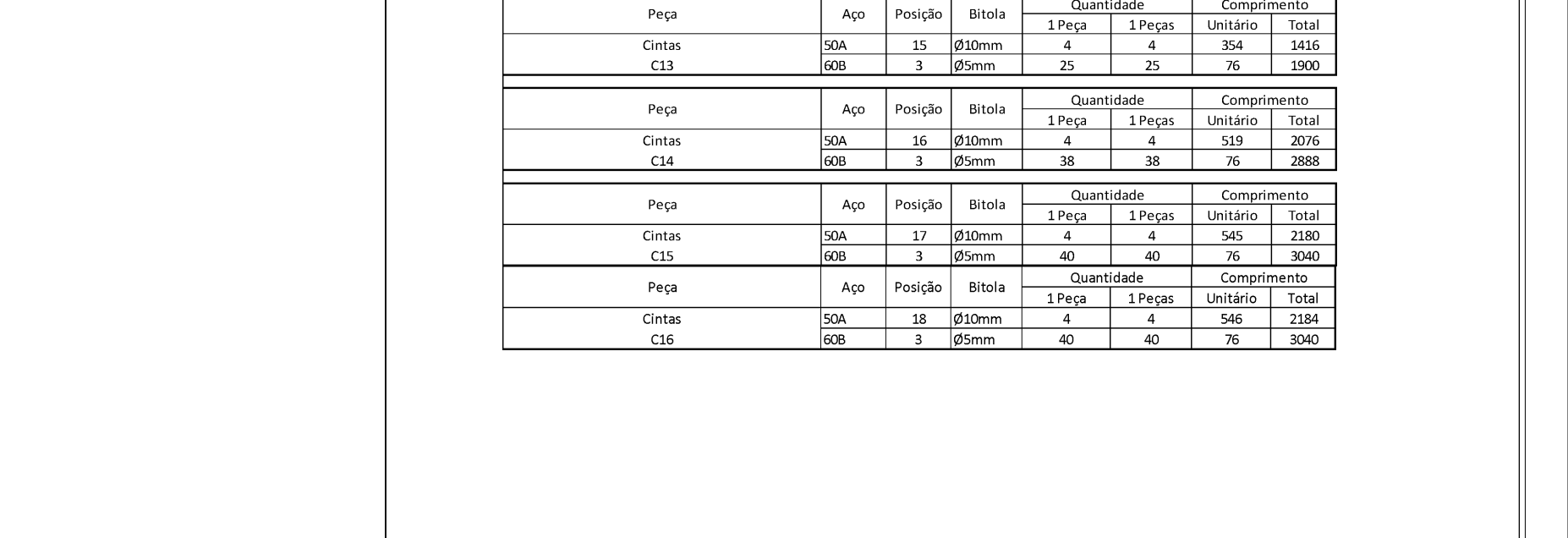
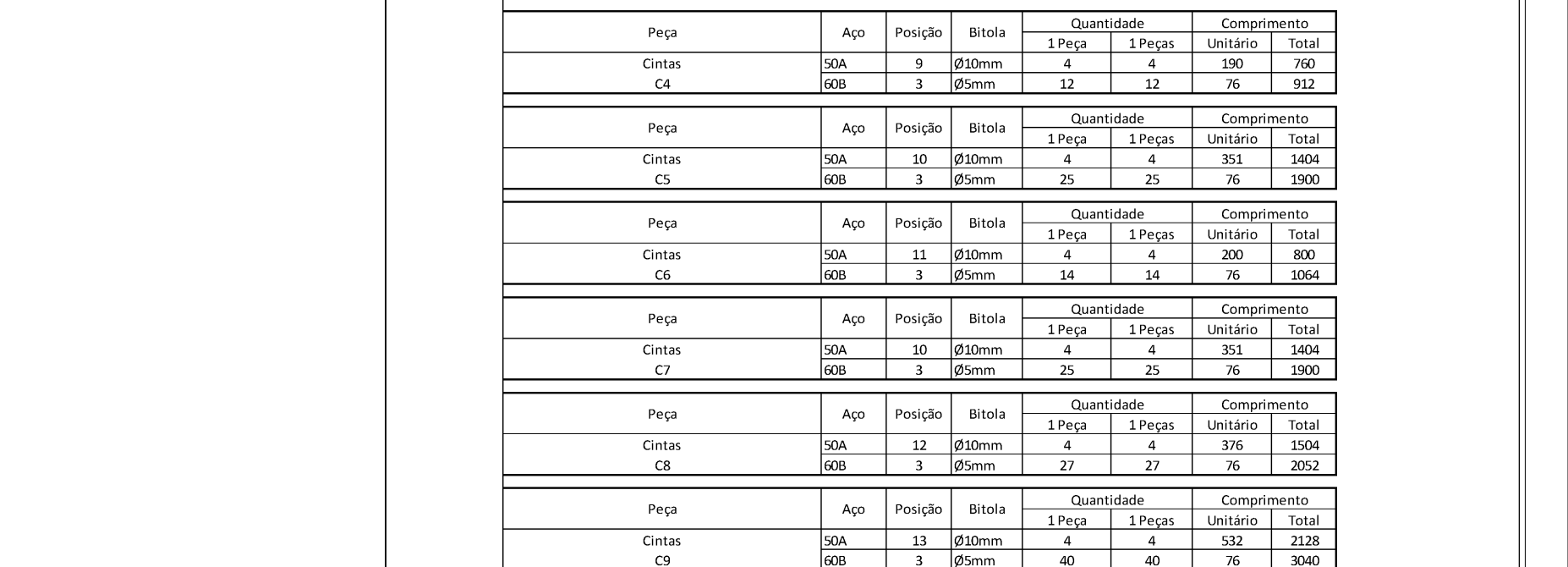
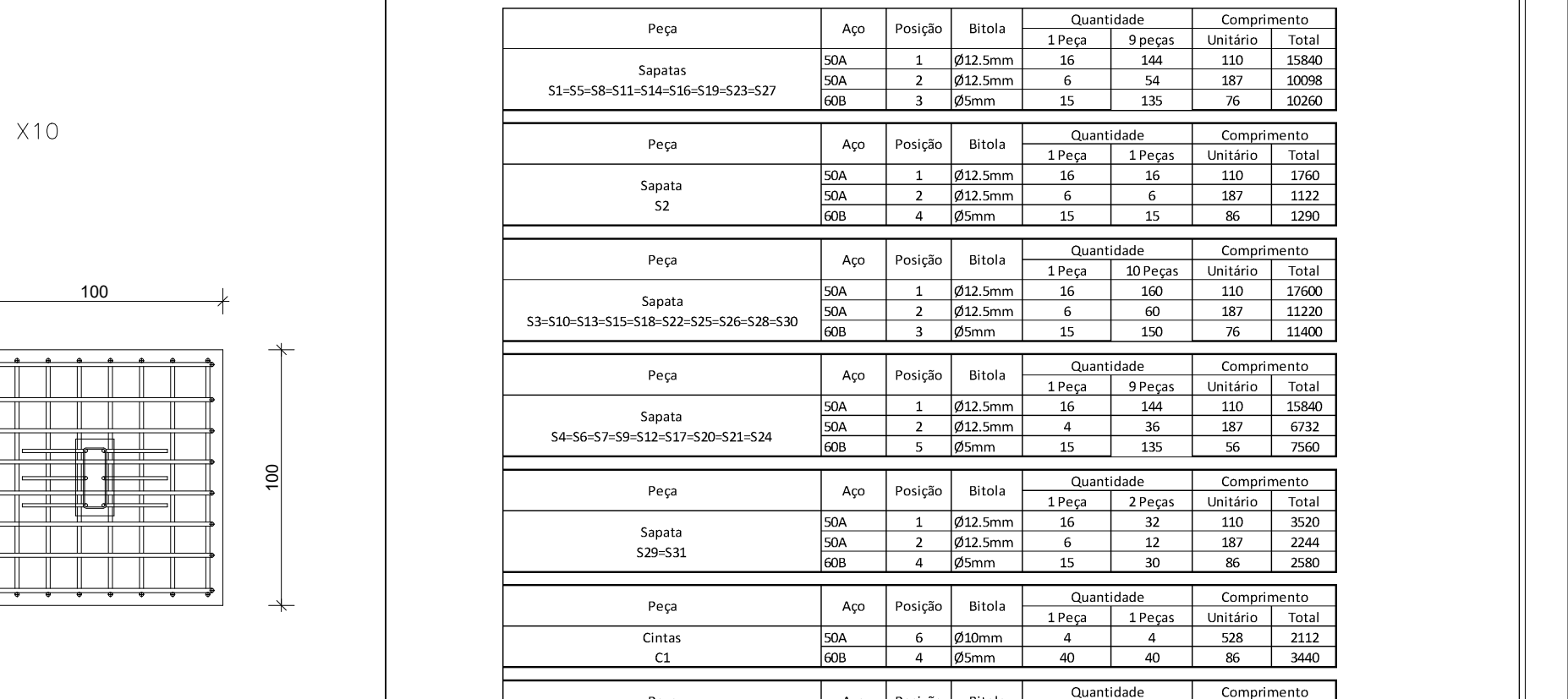
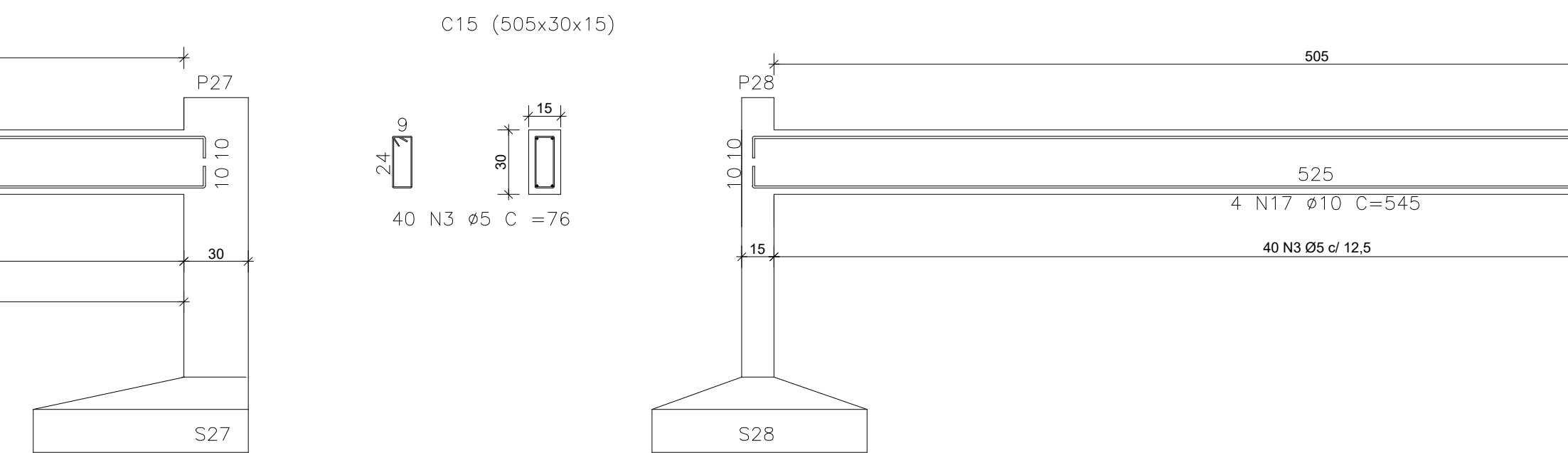
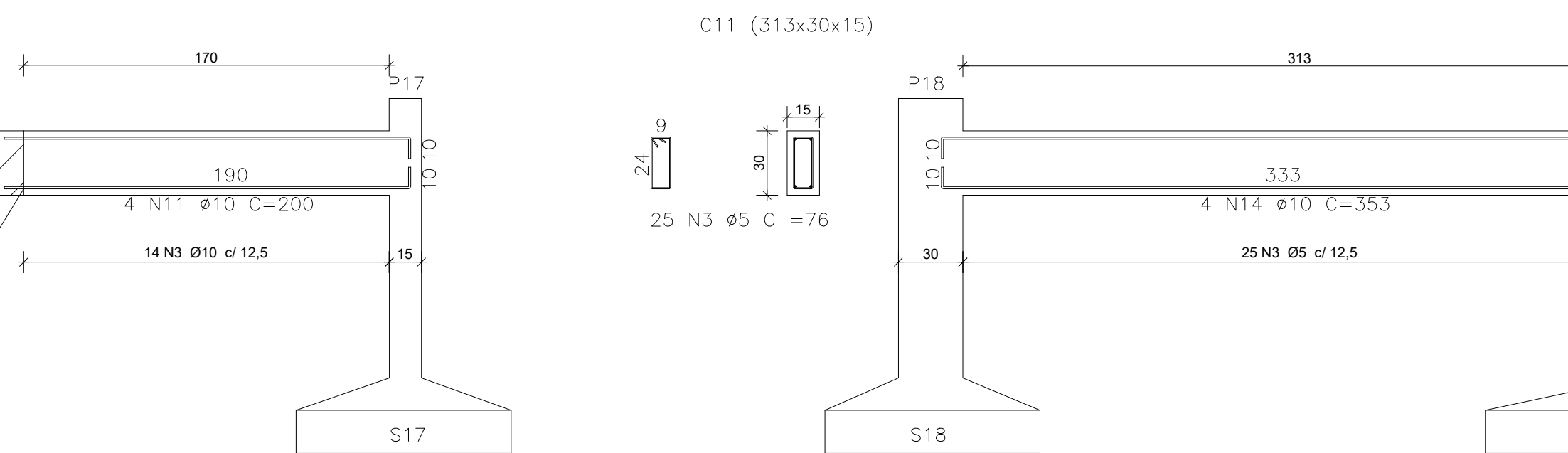
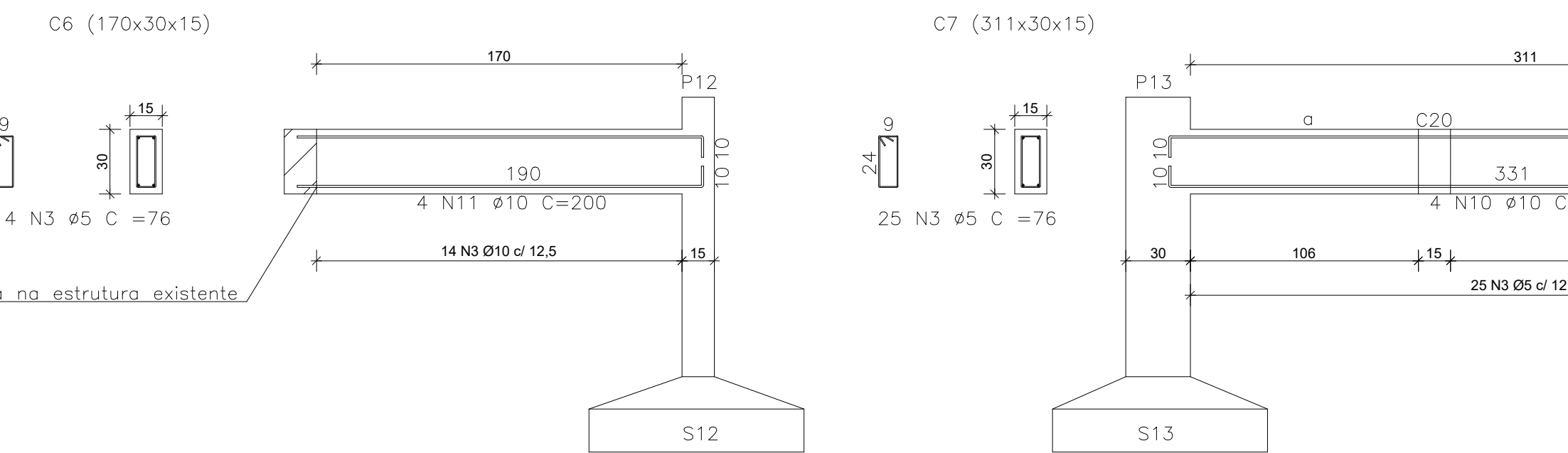
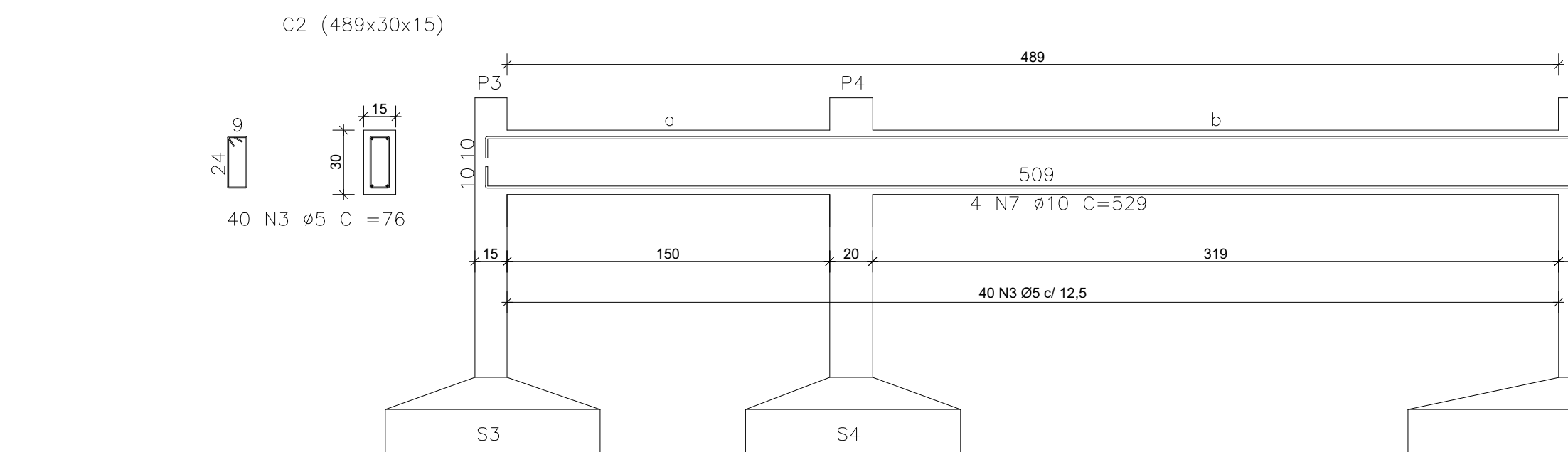
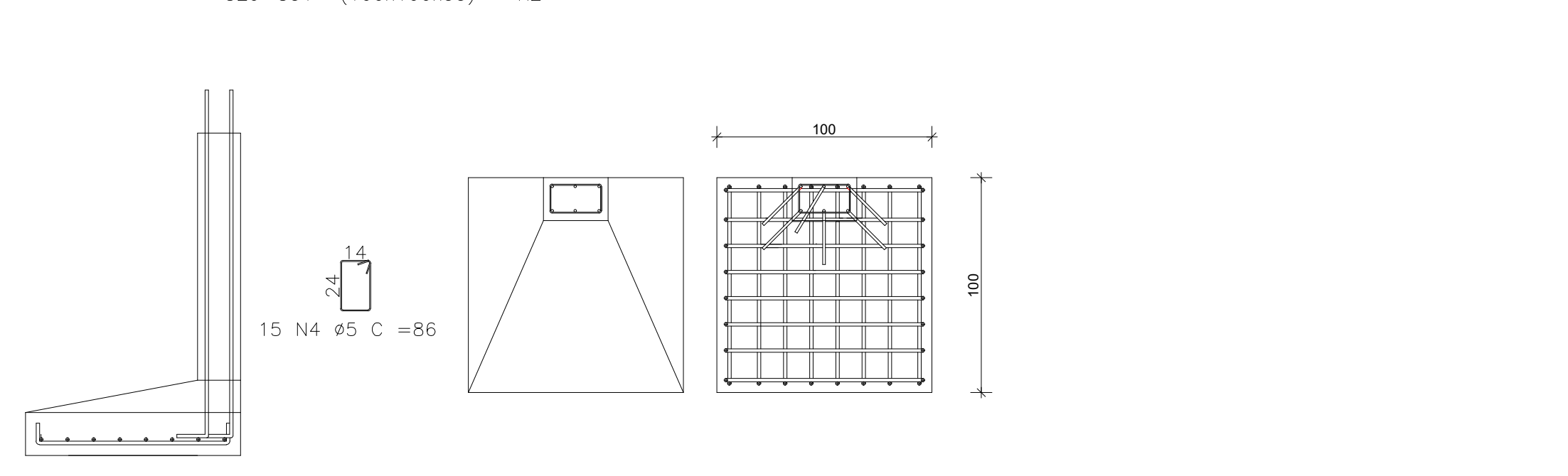
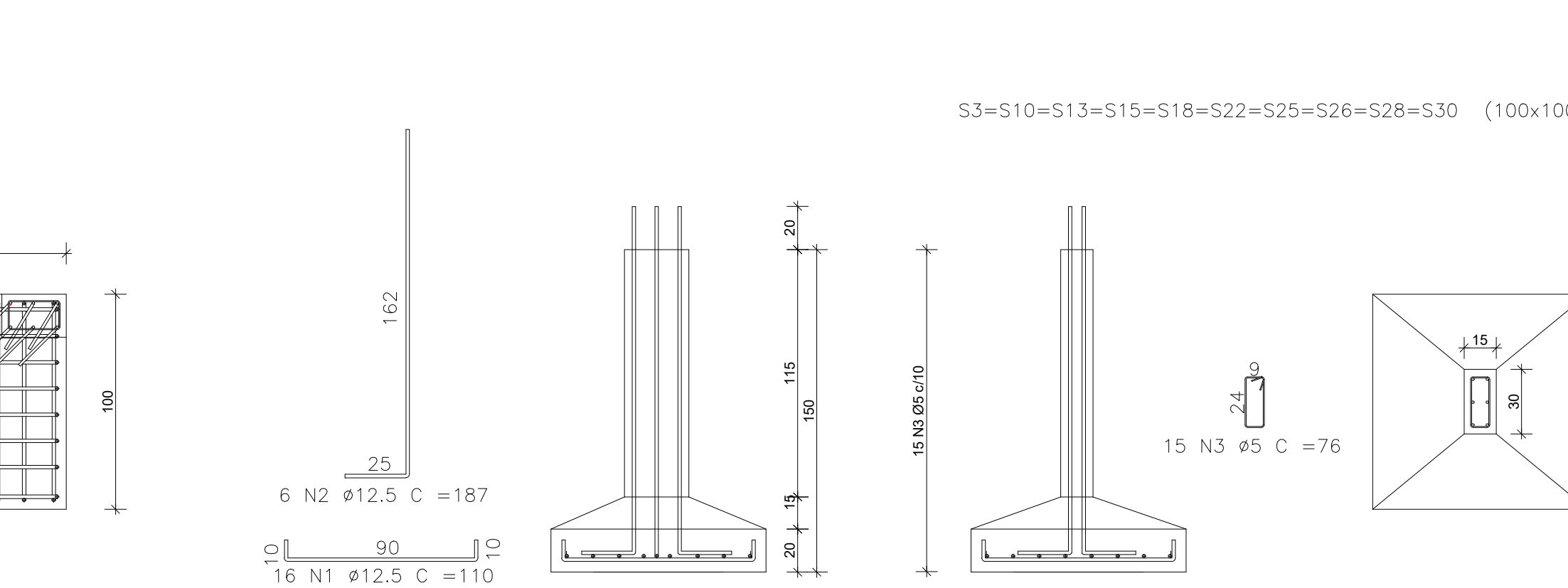
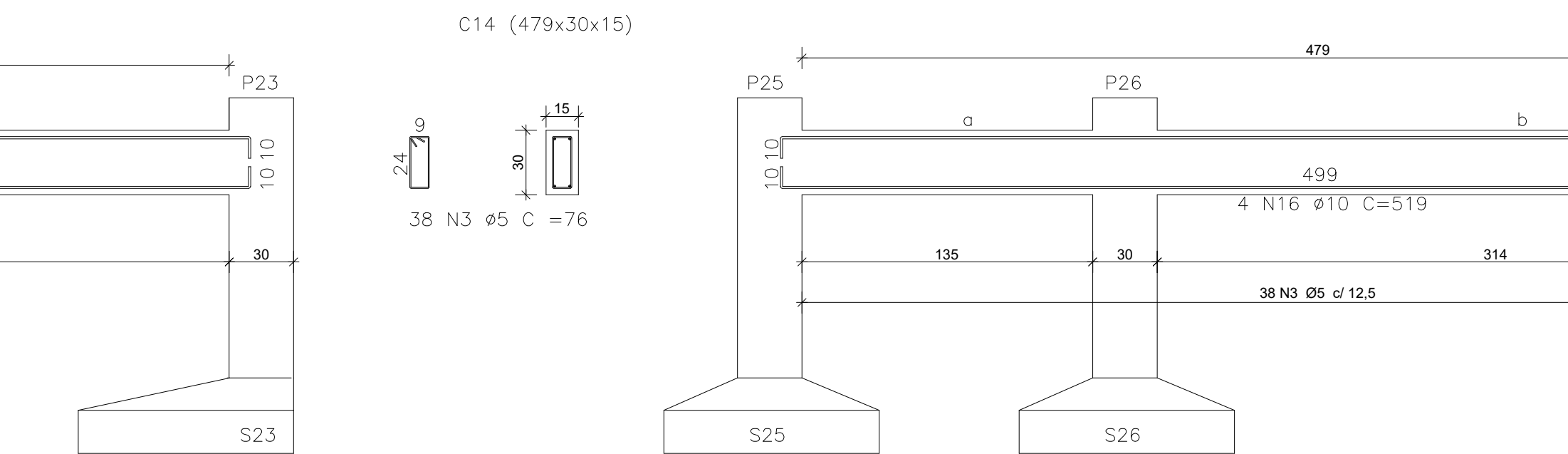
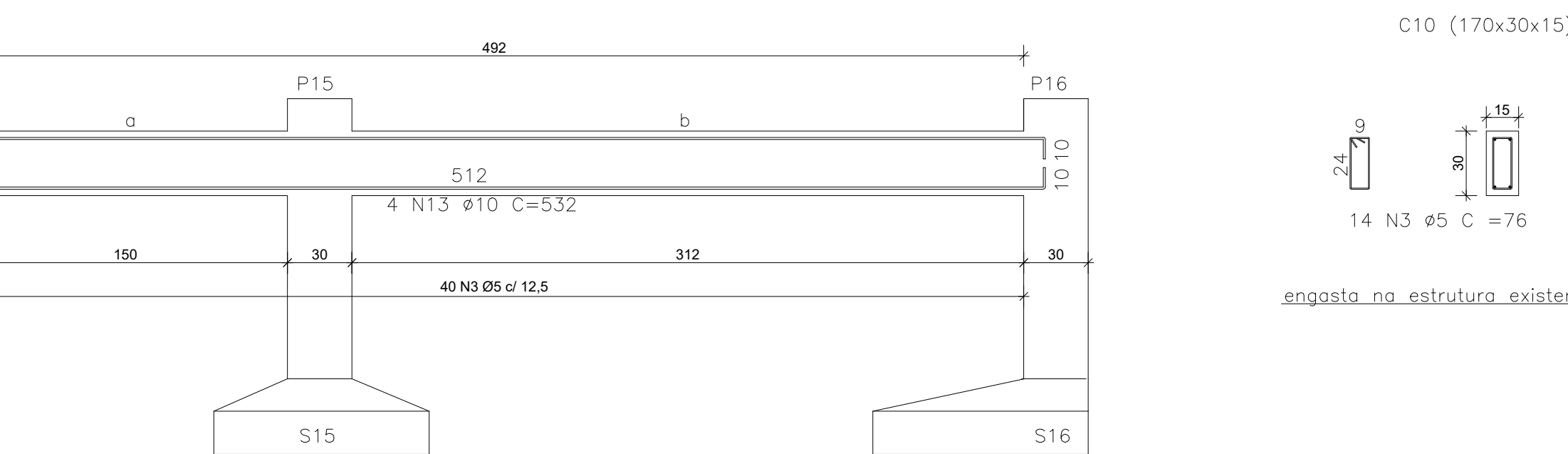
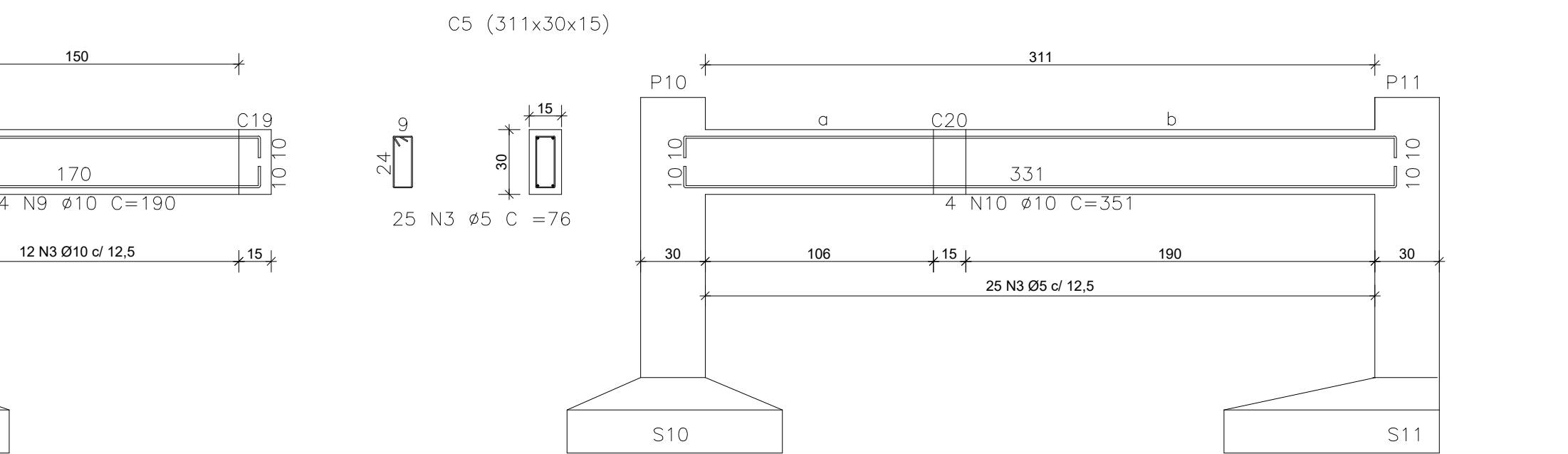


C1 (488x30x20)

14
2.4
40 N4 Ø5 C=B6

20
40 Ø5

488
10
508
4 N6 Ø10 C=528
40 N4 Ø5 of 12.5
10
30
S1
S2

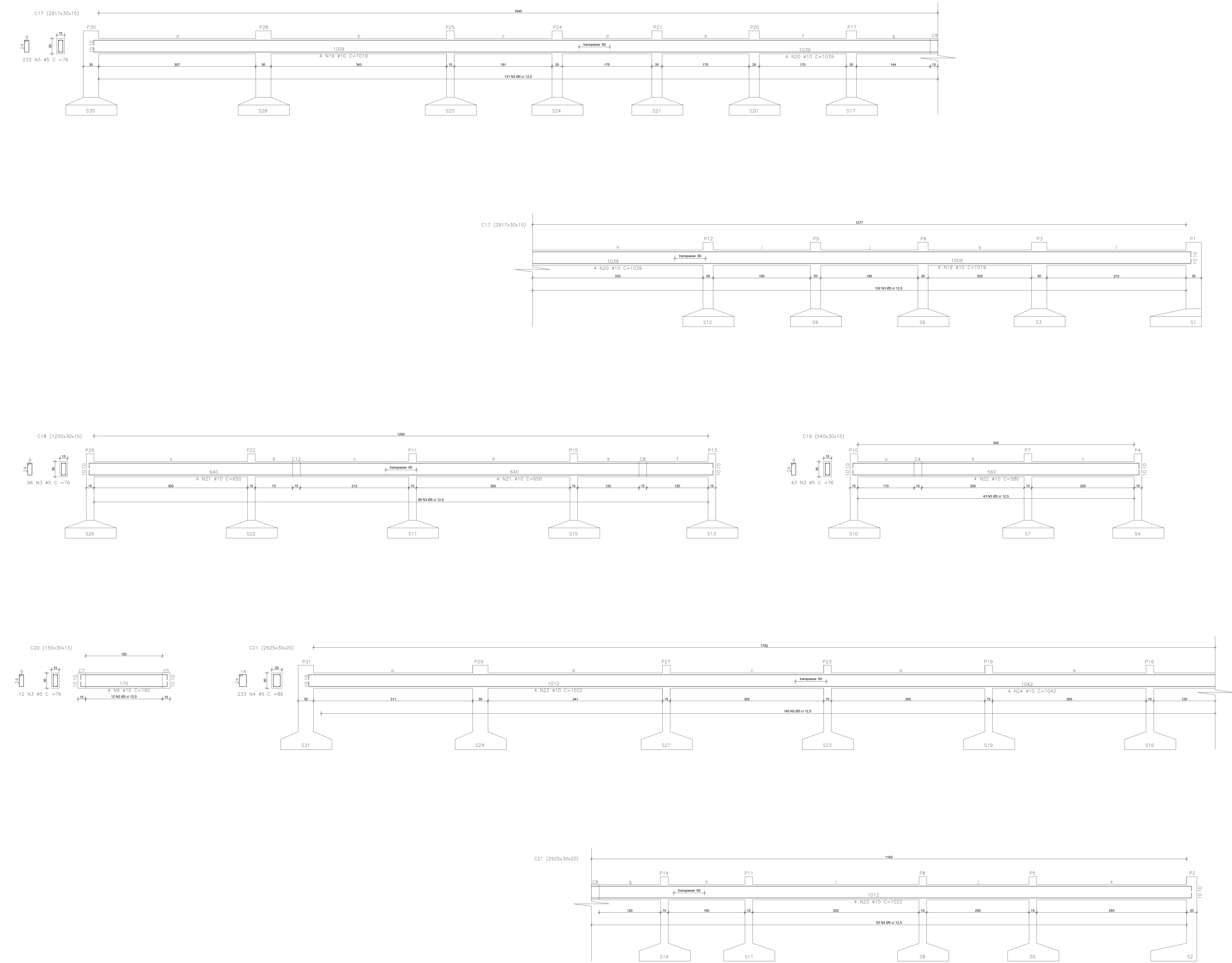


					NOTAS		
REFERÊNCIAS					REVISÕES		
PROJETO	ARQUITETO AUGUSTO PERNETTA CARPAZANO				CLASSE	NÚMERO DE REGISTRO IPPIVUR	REVISÃO
DESENHO	ARQUITETO AUGUSTO PERNETTA CARPAZANO				EC		0
VERIFICAÇÃO							
GERENTE							
DIRETOR	ARQ ^{ta} AUGUSTO FERREIRA ESTEVES				DATA	ABRIL/2024	
DIR. PRESIDENTE	ENQ ^a ABMALTON PRETTO DA SILVA						

PROJETO DE ARMAÇÃO		ESCALA	1/25
ÁREAS Área do Terreno..... 444,12 m² Área Existente..... 223,86 m² À Construir 165,86 m² TOTAL..... 389,72 m²		LOCALIZAÇÃO 	

Proposto Assinatura/Carimbo	 Documento assinado digitalmente assinado por: MARCELO LOPES DE SILVA em 12/05/2023 15:13:45 e 0202 Disponível em: https://portal.arquiteto.rj.gov.br Assinatura do projeto				
Responsável Técnico					
Prefeitura Municipal de Volta Redonda - RJ Instituto de Pesquisa e Planejamento Urbano de Volta Redonda Departamento de Controle Urbanístico					
PROJETO APROVADO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Processo Nº</td> <td style="width: 50%;">FL. Nº</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> </table>	Processo Nº	FL. Nº		
Processo Nº	FL. Nº				
Assinatura/Tela Carimbo	Assinatura/Tela Carimbo				

CINTAS NÍVEL +0,93



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C17	80	20	100mm	4	4
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C17	190	20	100mm	4	4
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NOTAS

REFERÊNCIAS	REVISÕES

PROJETO	ARQUITETO AUGUSTO PERNETTA CARPAZANO	CLASSE	EC	NÚMERO DE REGISTRO IPPURV	REVISÃO
DESENHO	ARQUITETO AUGUSTO PERNETTA CARPAZANO				0
VERIFICAÇÃO					
GERENTE					
DIRETOR	ARQº AUGUSTO FERREIRA ESTEVES	DATA	ABRIL/2024		
DIRETOR PRESIDENTE	ENAF ADRIANA TON PRETTI DA SILVA				

	PREFEITURA MUNICIPAL DE VOLTA REDONDA GOVERNO ANTÔNIO FRANCISCO NETO SECRETARIA MUNICIPAL DE SAÚDE
--	---

PROJETO ESTRUTURAL	Filh. 03/06
REFORMA DA UNIDADE BÁSICA DE SAÚDE DA FAMÍLIA VEREADOR ADÃO PEDRO ALVES	
Endereço: Av. Pelotas, 149 - Belmonte	
Volta Redonda - RJ - CEP: 27274-205	

PROJETO DE ARMAÇÃO	ESCALA 1/25
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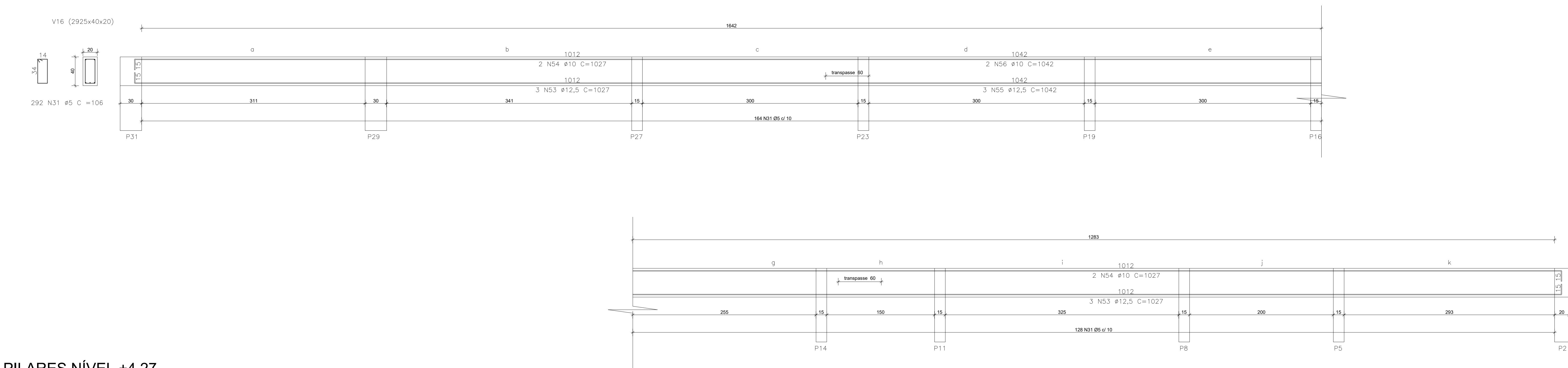
ÁREAS	LOCALIZAÇÃO
Área do Terreno..... 444,12 m²	
Área Existente..... 223,86 m²	
A Construir 165,86 m²	
TOTAL..... 389,72 m²	

Documento assinado digitalmente goubx AUGUSTO PERNETTA CARPAZANO www.augustopernetta.com.br Verifique em https://nubus.dj.gov.br	
Proprietário	Autor do projeto
Responsável Técnico	
Prefeitura Municipal de Volta Redonda - RJ Instituto de Pesquisa e Planejamento Urbano de Volta Redonda	
Departamento de Controle Urbanístico	
PROJETO APROVADO	Processo Nº FL. Nº
Assinatura/Dados/Catálogo	Assinatura/Dados/Catálogo

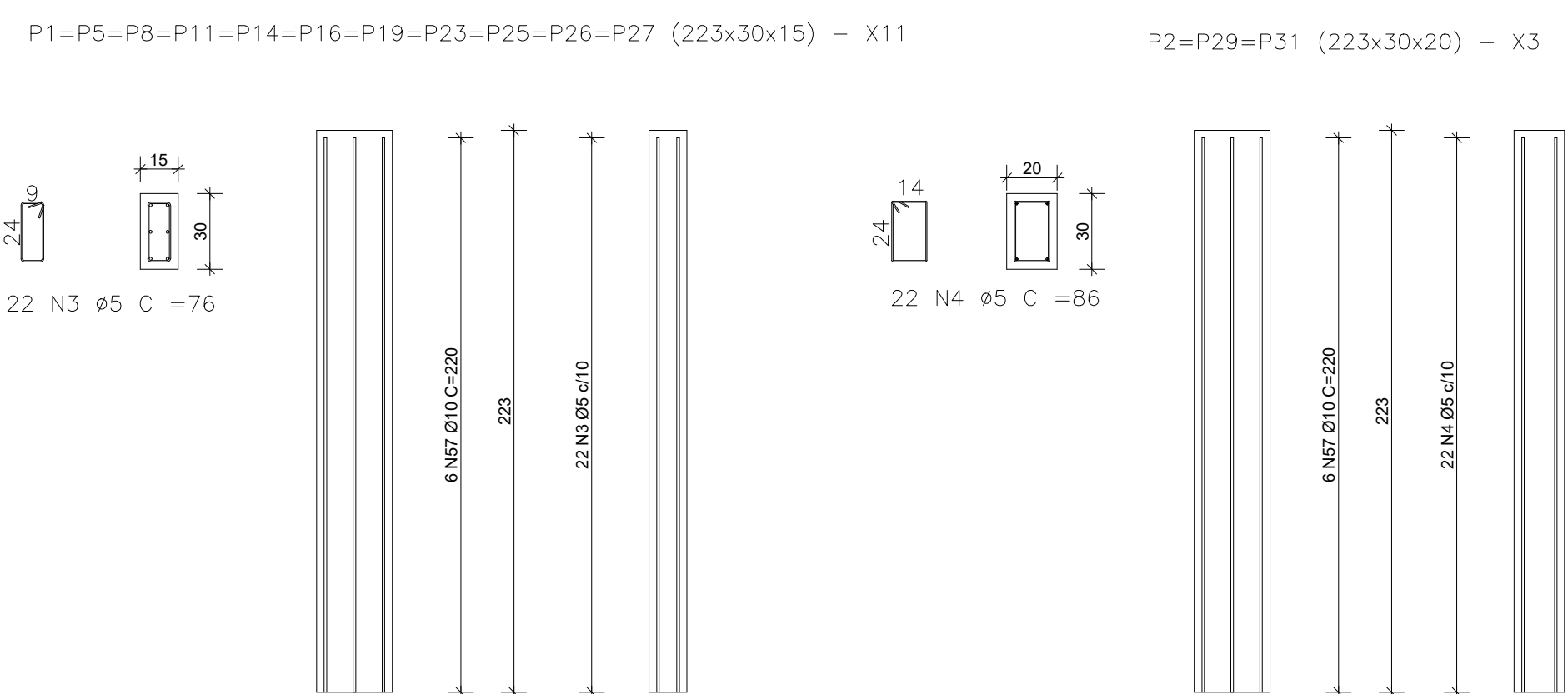
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NOTAS			
REFERÊNCIAS		REVISÕES	
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DESENHO	ARQUITETO AUGUSTO PERINETTA CARPAZANO	EC	0
VERIFICAÇÃO		DATA	ABRIL/2024
GERENTE			
DIRETOR	ARGO† AUGUSTO FERREIRA ESTEVES		
DIF. PRESIDENTE	ENQ† ANIMAL TON PRETTO DA SILVA		
PREFEITURA MUNICIPAL DE VOLTA REDONDA GOVERNO ANTÔNIO FRANCISCO NETO SECRETARIA MUNICIPAL DE SAÚDE			
PROJETO ESTRUTURAL			Filh. 04/06
REFORMA DA UNIDADE BÁSICA DE SAÚDE DA FAMÍLIA VEREADOR ADÃO PEDRO ALVES Endereço: Av. Pelotas, 149 - Belmonte Volta Redonda - RJ - CEP: 27274-205			
PROJETO DE ARMAÇÃO			ESCALA 1/25
ÁREAS		LOCALIZAÇÃO	
Área do Terreno..... 444,12 m²			
Área Existente..... 223,86 m²			
Á Construir 165,86 m²			
TOTAL..... 389,72 m²			
Proprietário		Autor do projeto	
Responsável Técnico			
Prefeitura Municipal de Volta Redonda - RJ Instituto de Pesquisa e Planejamento Urbano de Volta Redonda			
Departamento de Controle Urbanístico			
PROJETO APROVADO		Processo Nº	FL. Nº
Assinatura/Tema/Catálogo		Assinatura/Tema/Catálogo	

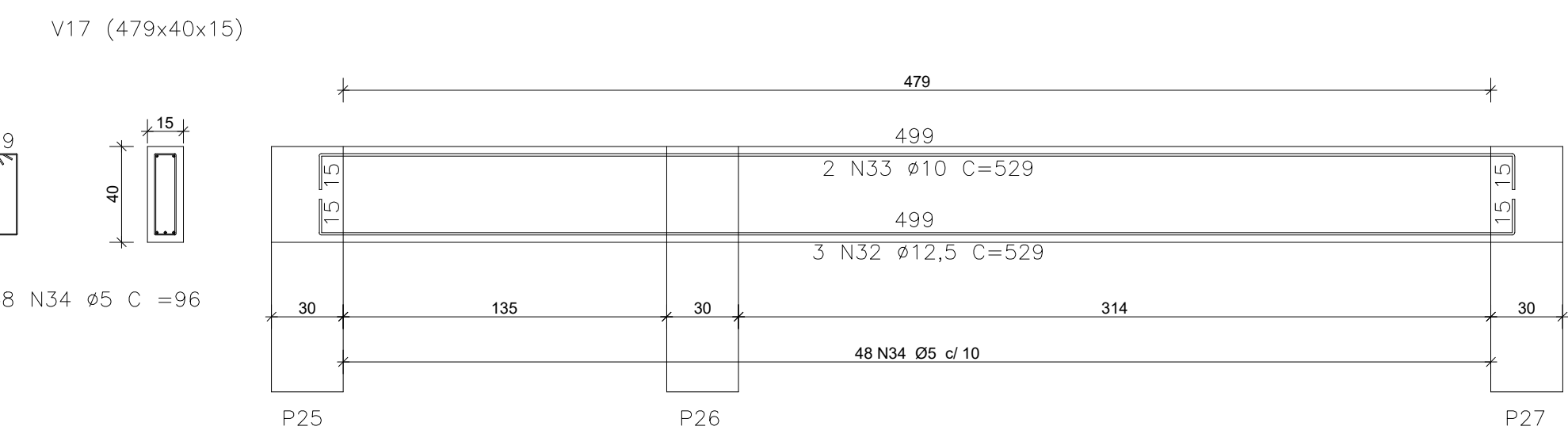
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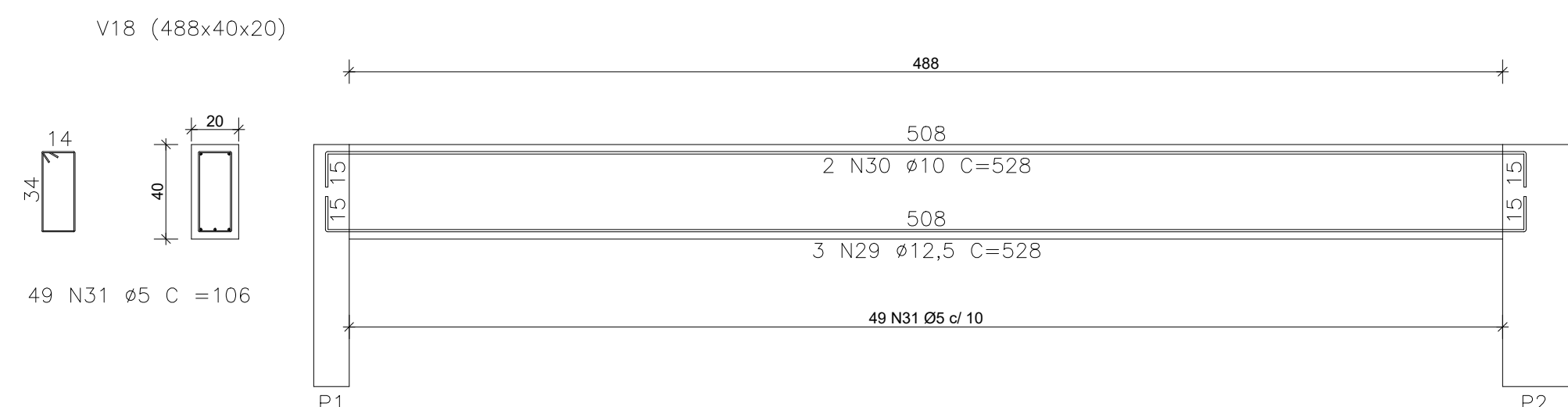
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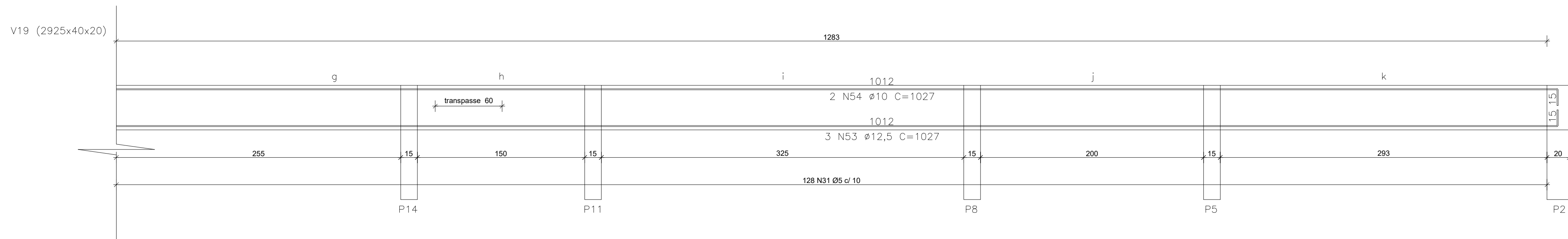
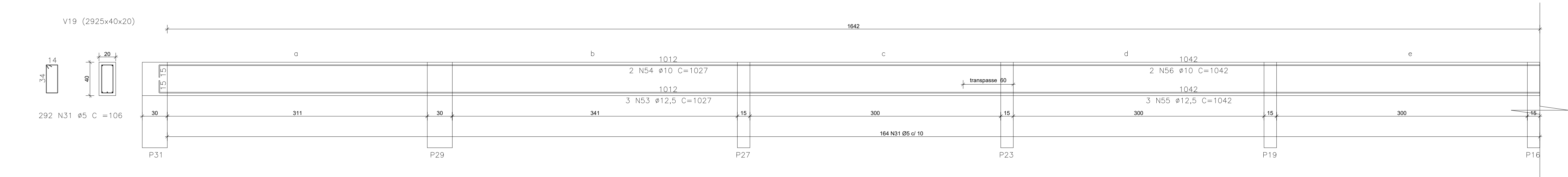
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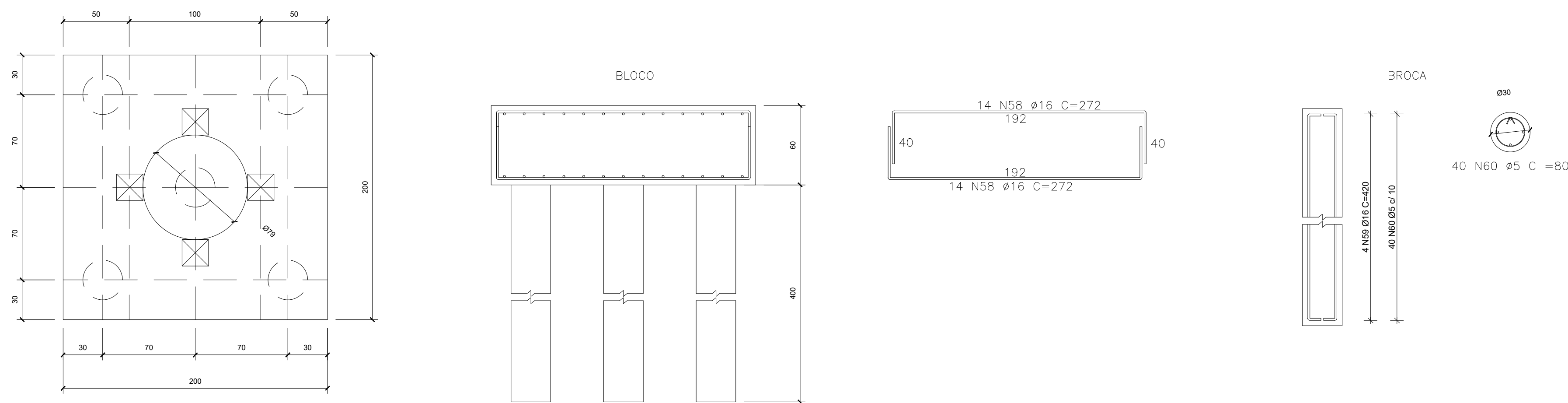
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VIGAS NÍVEL +6,10



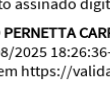
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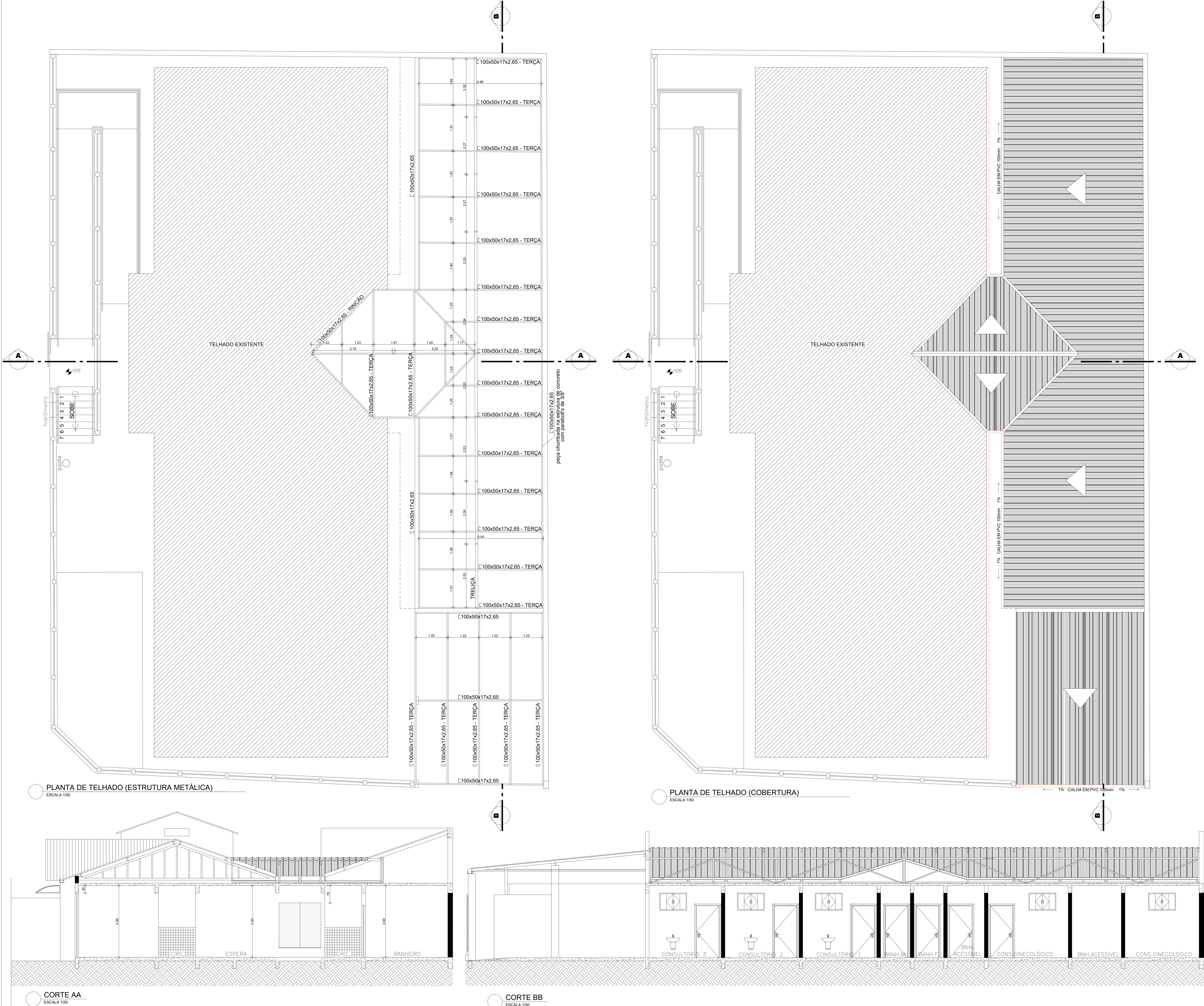


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	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
Vista Nível 202	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
Vista Nível 203	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002
	50A	33	232	200	1002

1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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Comprimento Total [m]	Kg/m	Peso Total
Ø5mm	3.800	608
Ø10mm	1.460	1.094
Ø12.5mm	1.351	1.257
Ø16mm	175	243
		3.193

NOTAS			
REFERÊNCIAS		REVISÕES	
PROJETO: DESENHO: VERIFICAÇÃO: GERENTE: DIRETOR: DIF. PRESIDENTE:	ARQUITETO AUGUSTO PERINETTA CARPAAZANO ARQUITETO AUGUSTO PERINETTA CARPAAZANO ARQ ^º AUGUSTO FERREIRA ESTEVES EN ^º ABMALTON PRETTO DA SILVA	CLASSE: EC DATA: ABRIL/2024	REVISÃO: 0
 PREFEITURA MUNICIPAL DE VOLTA REDONDA GOVERNO ANTÔNIO FRANCISCO NETO SECRETARIA MUNICIPAL DE SAÚDE			
PROJETO ESTRUTURAL			Flh. 05/06
REFORMA DA UNIDADE BÁSICA DE SAÚDE DA FAMÍLIA VEREADOR ADÃO PEDRO ALVES Endereço: Av. Pelotas, 149 - Belmonte Volta Redonda - RJ - CEP: 27274-205			
PROJETO DE ARMAÇÃO			ESCALA 1/25
ÁREAS		LOCALIZAÇÃO	
Área do Terreno..... 444,12 m² Área Existente..... 223,86 m² À Construir 165,86 m² TOTAL..... 389,72 m²			
 Documento assinado digitalmente AUGUSTO PERINETTA CARPAAZANO Data: 10/06/2025 10:25:46 -0500 Verifique em: https://portal.gov.br/govbr		 Documento assinado digitalmente Adão do próprio	
Responsável Técnico			



RESUMO DE MATERIAIS				
ESTRUTURA METÁLICA - TELHADO				
N	NOMENCLATURA	DESCRIÇÃO	COMPRIM. OU ÁREA	PESO - Kg
01	BANDO SUP. E INF.	C 100 x 100 x 17 x 2,65	30,08 m	253,03 Kg
02	DIAGONAIS	C 100 x 100 x 17 x 2,65	23,08 m	191,51 Kg
03	MONTANTES VERTICAIS	C 100 x 100 x 17 x 2,65	14,08 m	116,66 Kg
04	MONTANTES HORIZONTAIS	C 100 x 100 x 17 x 2,65	30,08 m	253,03 Kg
05	TERÇAS	C 100 x 100 x 17 x 2,65	137,08 m	1138,66 Kg
06	PARAFUSOS	E 100 x 100 x 17 x 2,65	14,08 m	116,66 Kg
07	TELHA TRAP. ZINCO ALUMINIZADO	ALUMINIZADO - 0,80 mm	203,08 m²	161,77 Kg
08	CAIXA D'ÁGUA 100mm	PVC	22,08 m	-
09	RUPD 01	CHAPA GALVANIZADA - 0,80 mm	9,08 m²	36,04 Kg
10	RUPD 02	CHAPA GALVANIZADA - 0,80 mm	9,08 m²	36,04 Kg
11	CLAMPEAMENTO METÁLICA	CHAPA GALVANIZADA - 0,80 mm	1,36 m²	5,45 Kg

NOTAS

REFERÊNCIAS

REVISÕES

PROJETO	ARQUITETO AUGUSTO PERNETTA CARPAAZANO	CLASSE	NÚMERO DE REGISTRO IPPUR	REVISÃO
DESENHO	ARQUITETO AUGUSTO PERNETTA CARPAAZANO	EC		0
VERIFICAÇÃO				
GERENTE				
DIRETOR	ARQº AUGUSTO FERREIRA ESTEVES	DATA	ABRIL/2024	
DIR. PRESIDENTE	ENFº ADRIANA TON PRETTO DA SILVA			

PREFEITURA MUNICIPAL DE VOLTA REDONDA
GOVERNO ANTÔNIO FRANCISCO NETO
SECRETARIA MUNICIPAL DE SAÚDE

PROJETO ESTRUTURAL

Fil. 06/06

REFORMA DA UNIDADE BÁSICA DE SAÚDE DA FAMÍLIA VEREADOR ADÃO PEDRO ALVES

Endereço: Av. Pelotas, 149 - Belmonte

Volta Redonda - RJ - CEP: 27274-205

PROJETO DE TELHADO

ESCALA 1/50

ÁREAS

Área do Terreno..... 444,12 m²

Área Existente..... 223,86 m²

A Construir 165,86 m²

TOTAL..... 389,72 m²

LOCALIZAÇÃO

Assinatura do Autor do Projeto

Assinatura do Responsável Técnico

Prefeitura Municipal de Volta Redonda - RJ

Instituto de Pesquisa e Planejamento Urbano de Volta Redonda

Departamento de Controle Urbanístico

PROJETO APROVADO

Processo Nº

FL. Nº

Assinatura/Dados/Catálogo

Assinatura/Dados/Catálogo