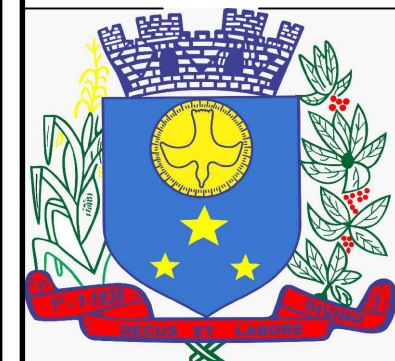


VISTA 3D DA ESTRUTURA



PILARES E FUNDAÇÃO

OBRA:  
CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:  
PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:  
PARQUE INSDUSTRIAL, DIVINO/MG

DATA:  
01/10/2025

AUTOR DO PROJETO:  
BRUNO MORAIS PARREIRA DA SILVA

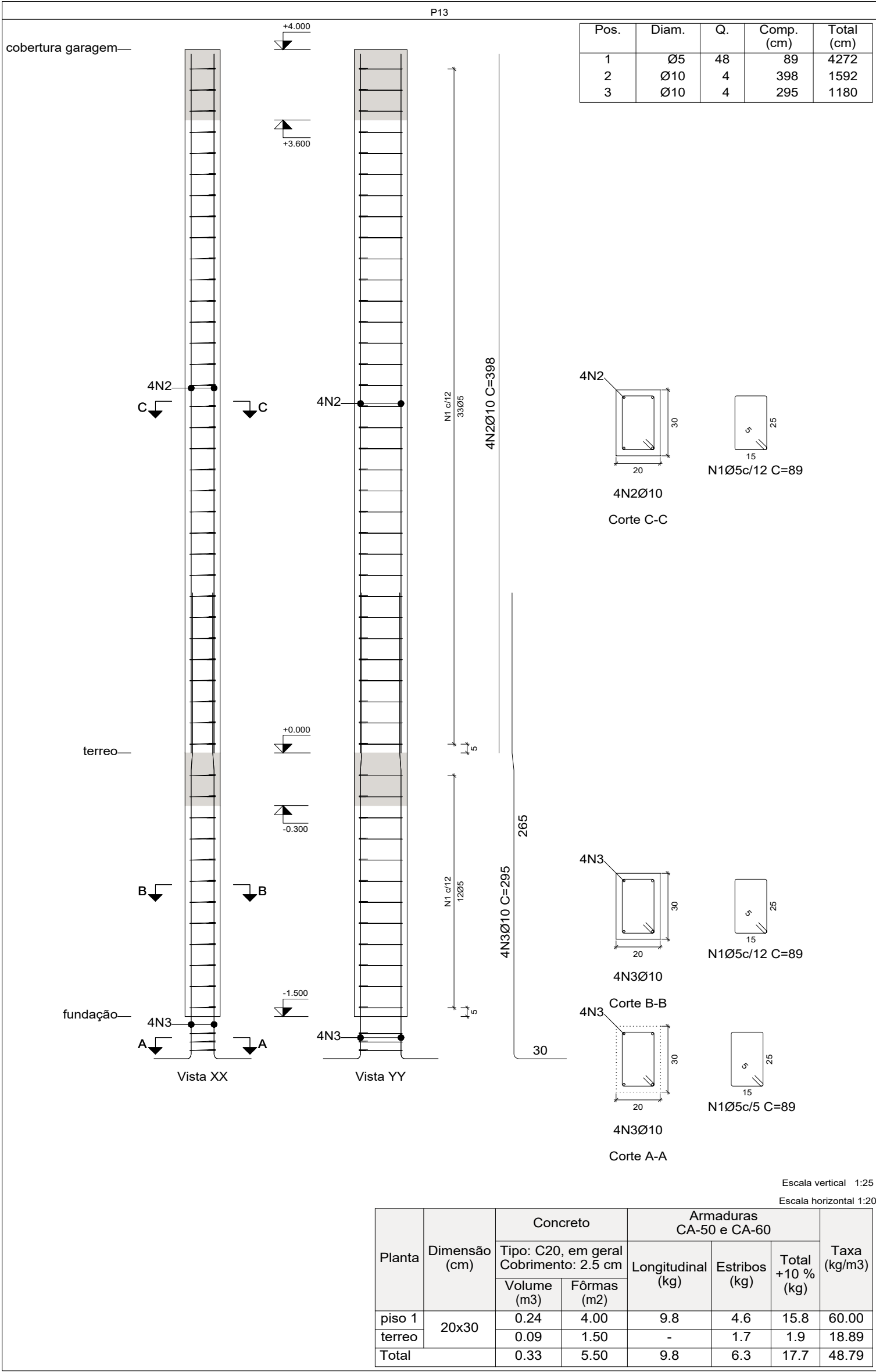
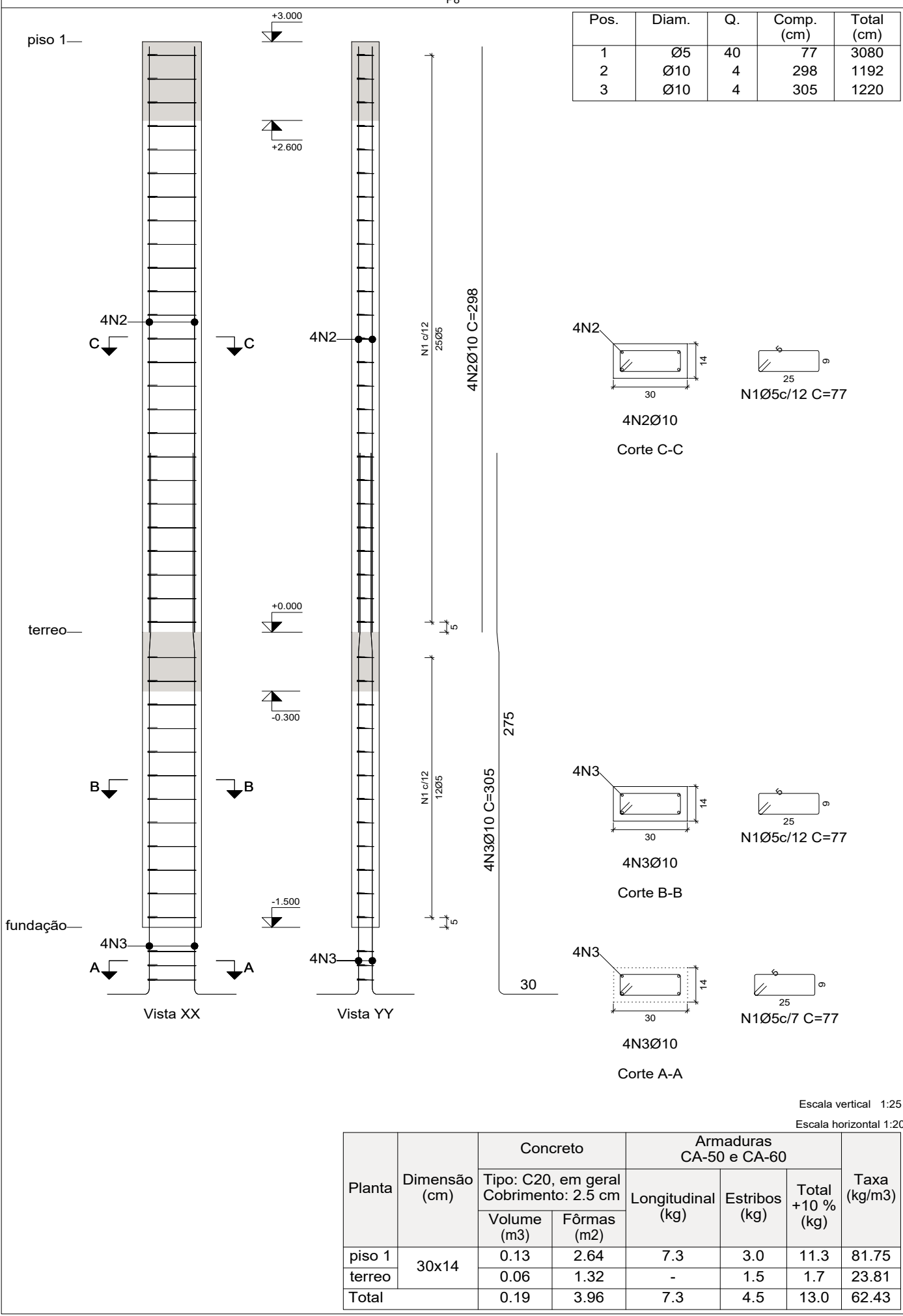
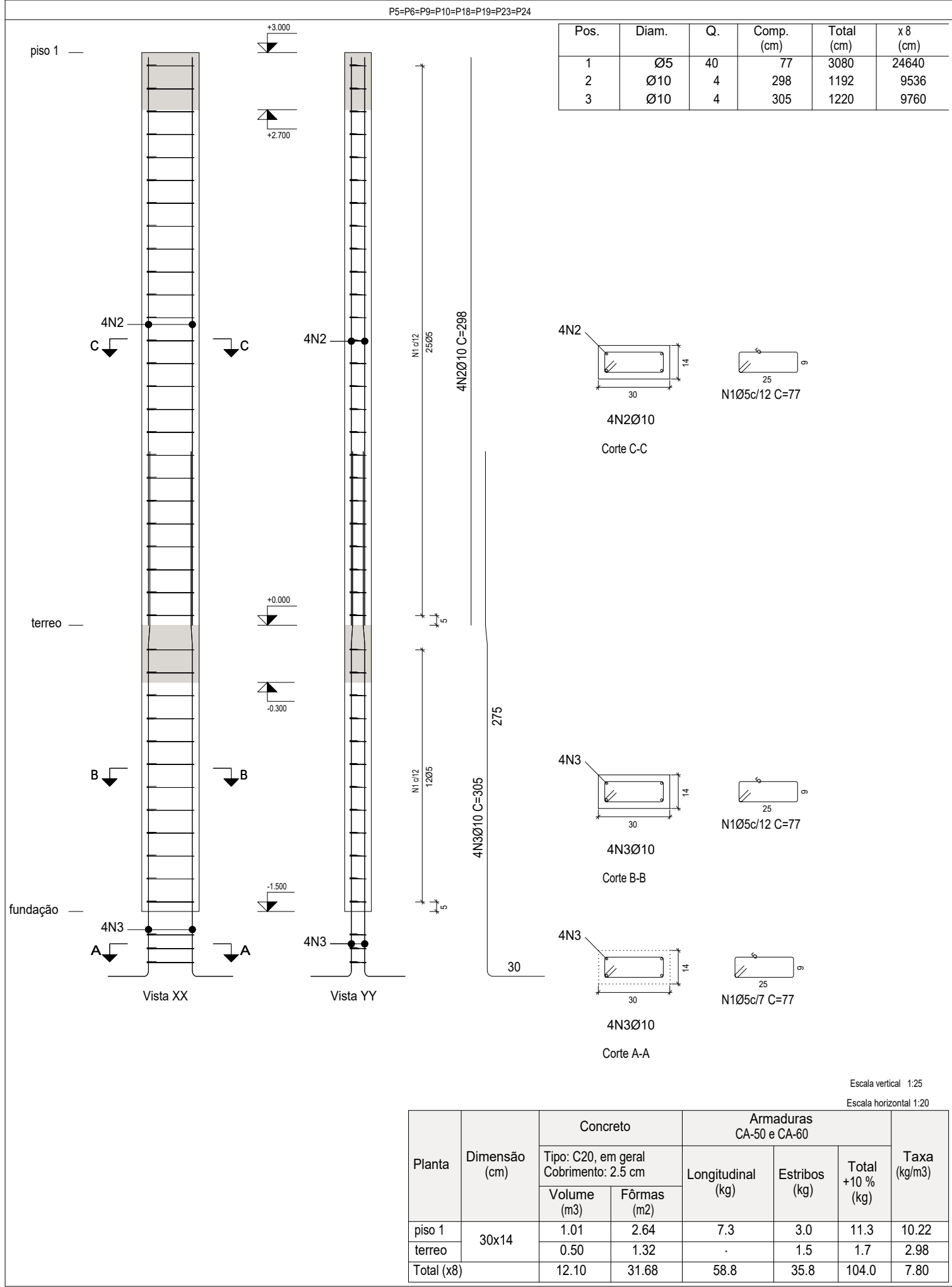
R.T:  
BRUNO MORAIS PARREIRA DA SILVA

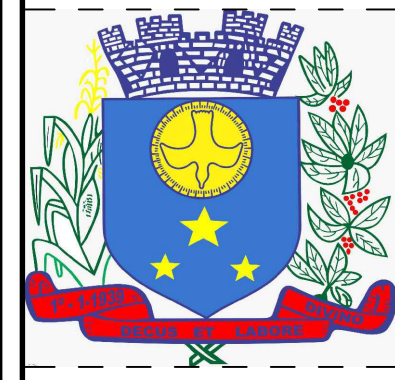
CREA/MG:  
245032/D

Nº DA PRANCHA

01 / 11

ESCALA:  
INDICADA





OBRA:

CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:

PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:

PARQUE INDUSTRIAL, DIVINO/MG

DATA:

01/10/2025

AUTOR DO PROJETO:

BRUNO MORAIS PARREIRA DA SILVA

R.T:

BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:

245032/D

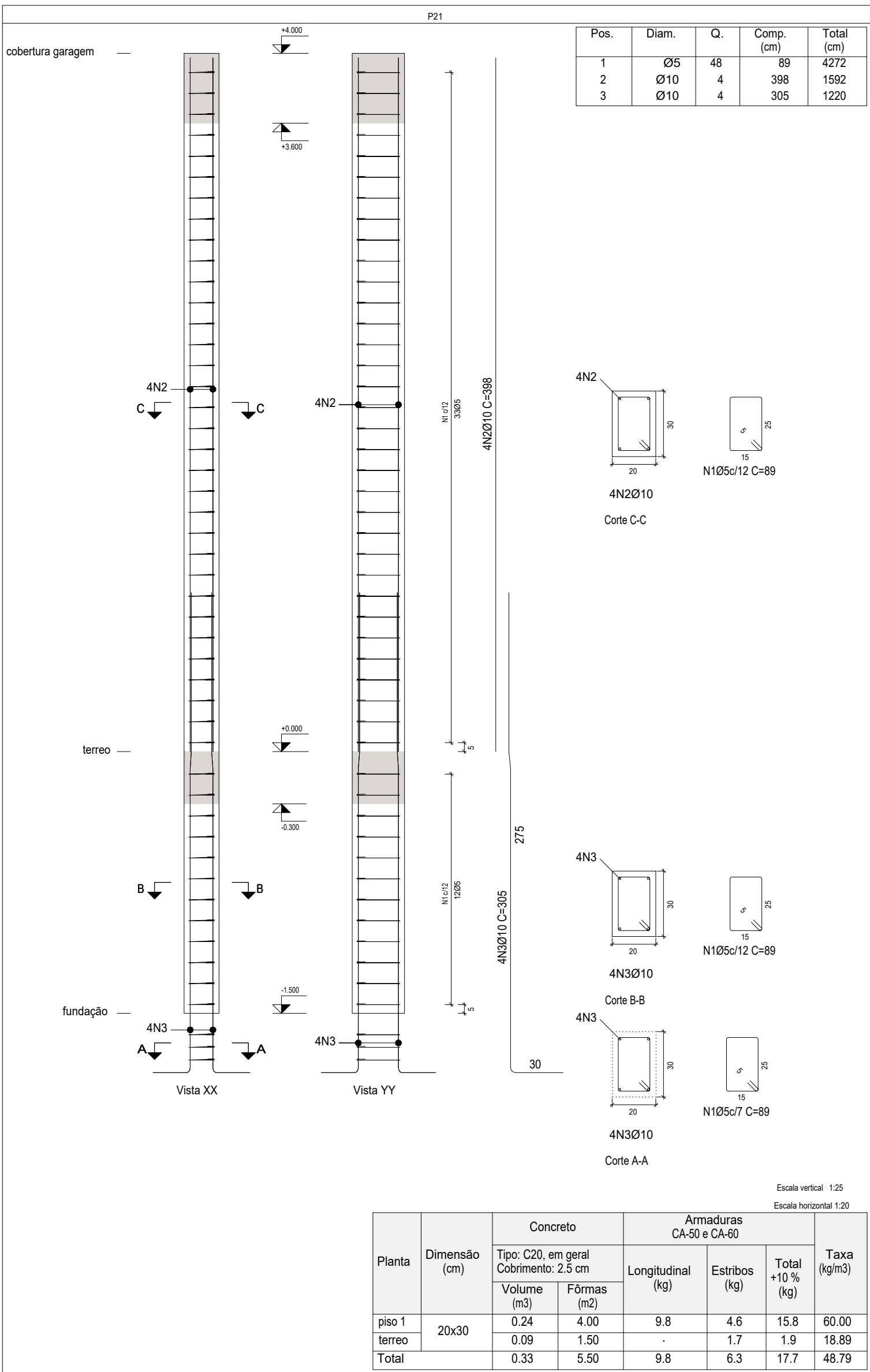
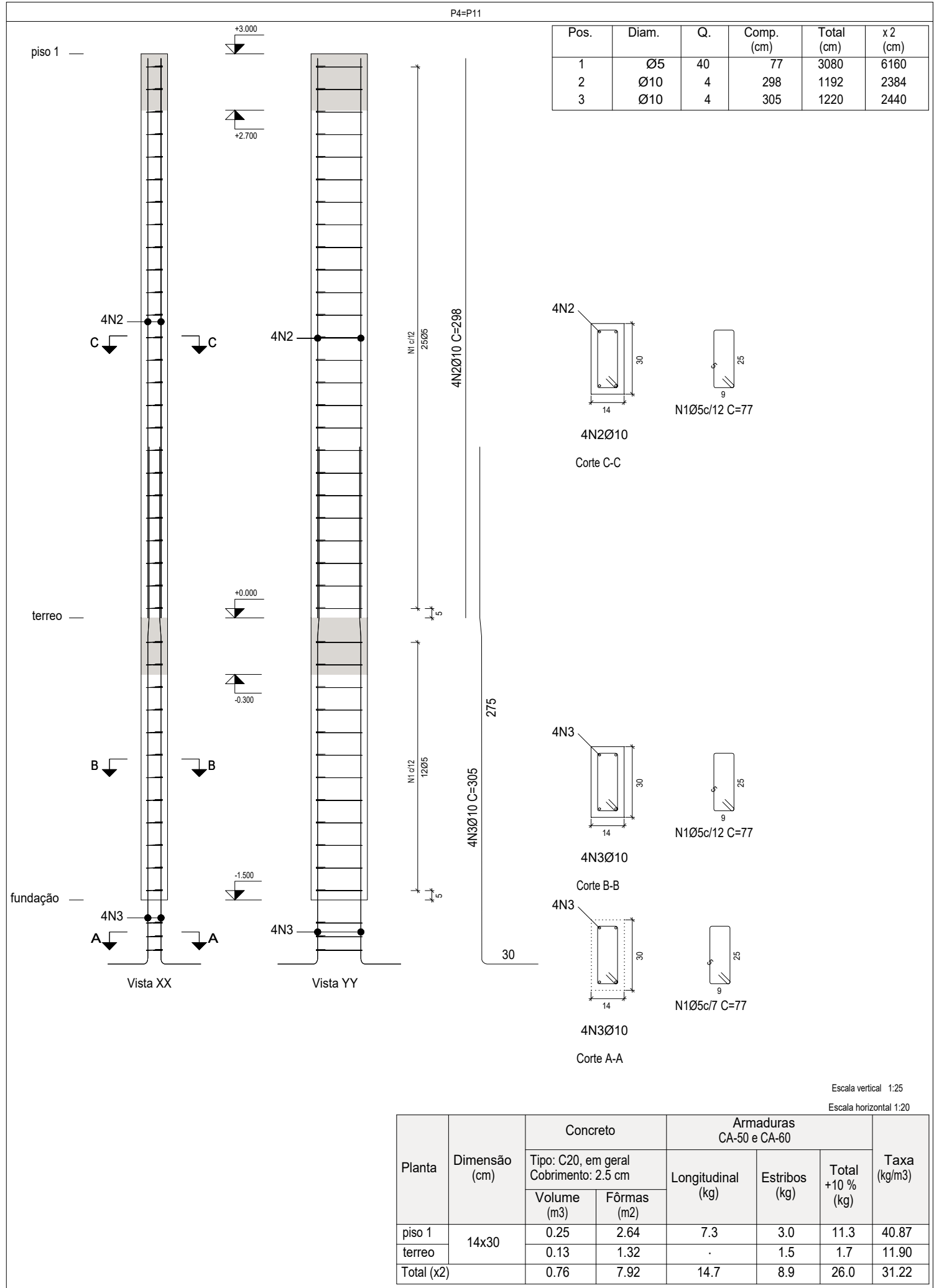
Nº DA PRANCHA

02 / 11


ESCALA:

INDICADA





Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø10	728.2	494	494
CA-60 Ø5	916.7	158	158
Total			652



OBRA:  
CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:  
PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:  
PARQUE INDUSTRIAL, DIVINO/MG

DATA:  
01/10/2025

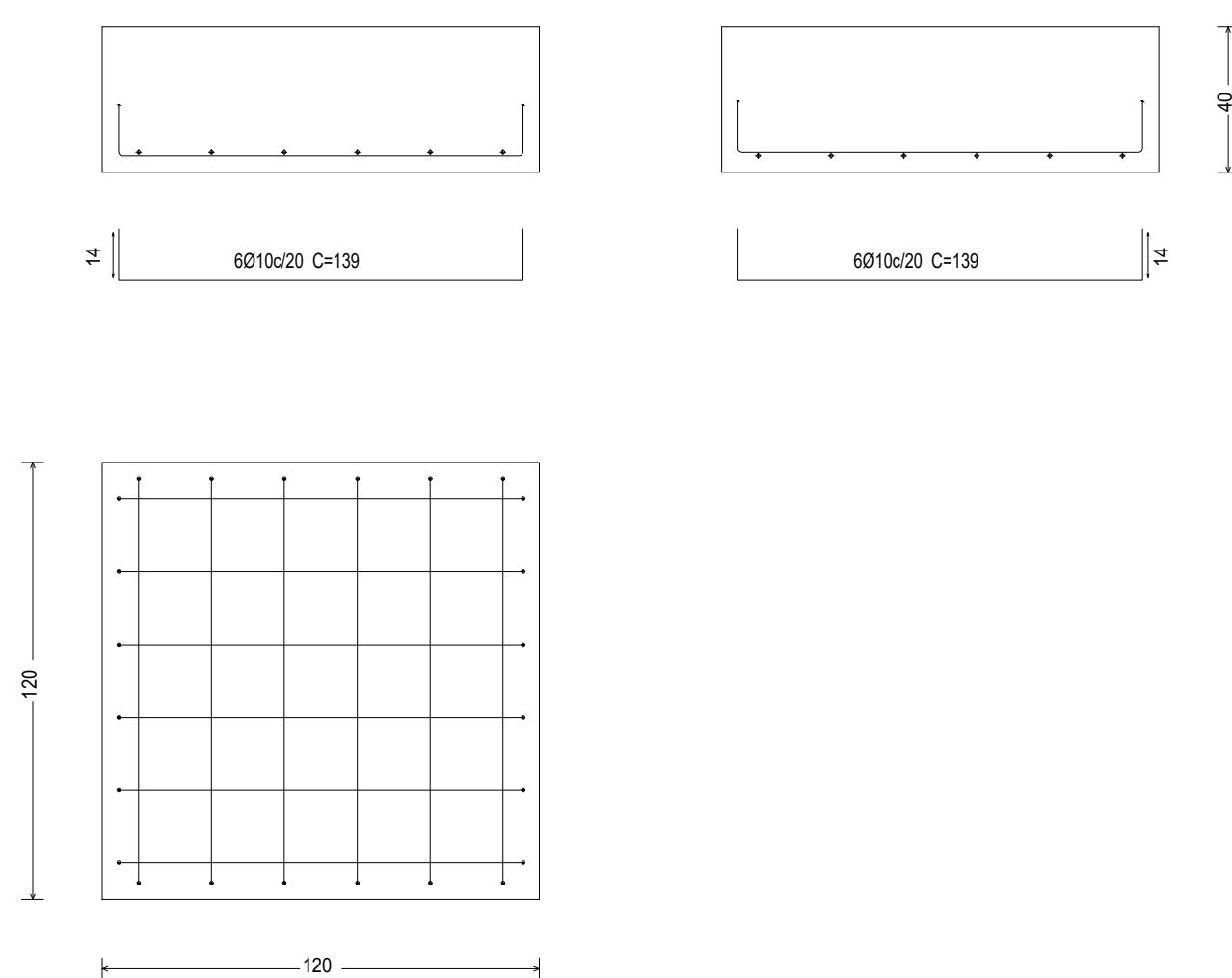
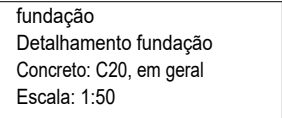
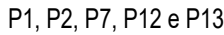
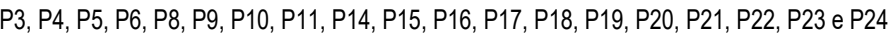
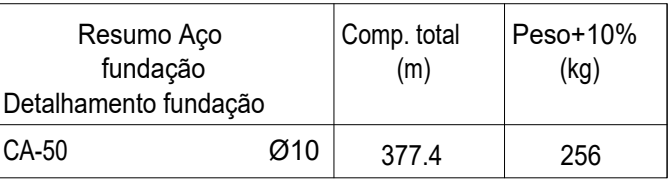
AUTOR DO PROJETO:  
BRUNO MORAIS PARREIRA DA SILVA

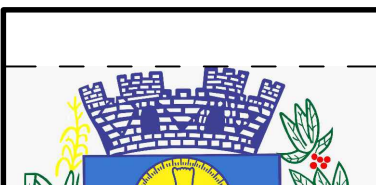
R.T:  
BRUNO MORAIS PARREIRA DA SILVA

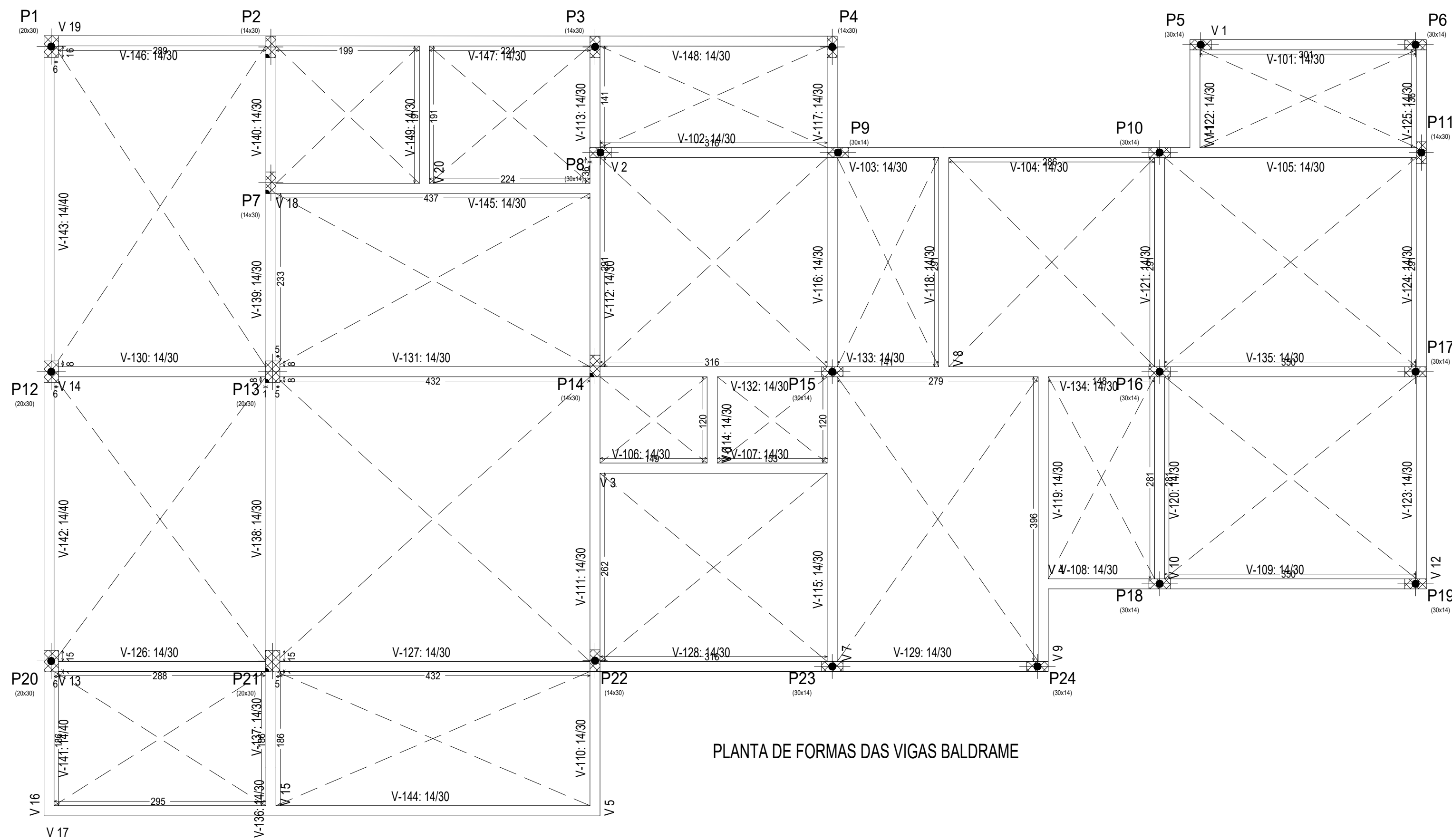
CREA/MG:  
245032/D

Nº DA PRANCHA  
  
03 / 11

ESCALA:  
INDICADA



		<b>OBRA:</b> CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192	
		<b>CLIENTE:</b> PREFEITURA MUNICIPAL DE DIVINO/MG	
		<b>ENDEREÇO:</b> PARQUE INDUSTRIAL, DIVINO/MG	
		<b>DATA:</b> 01/10/2025	<b>Nº DA PRANCHA</b> <div>04 / 11</div>
		<b>AUTOR DO PROJETO:</b> BRUNO MORAIS PARREIRA DA SILVA	
<b>R.T:</b> BRUNO MORAIS PARREIRA DA SILVA			
<b>CREA/MG:</b> 245032/D		<b>ESCALA:</b> INDICADA	



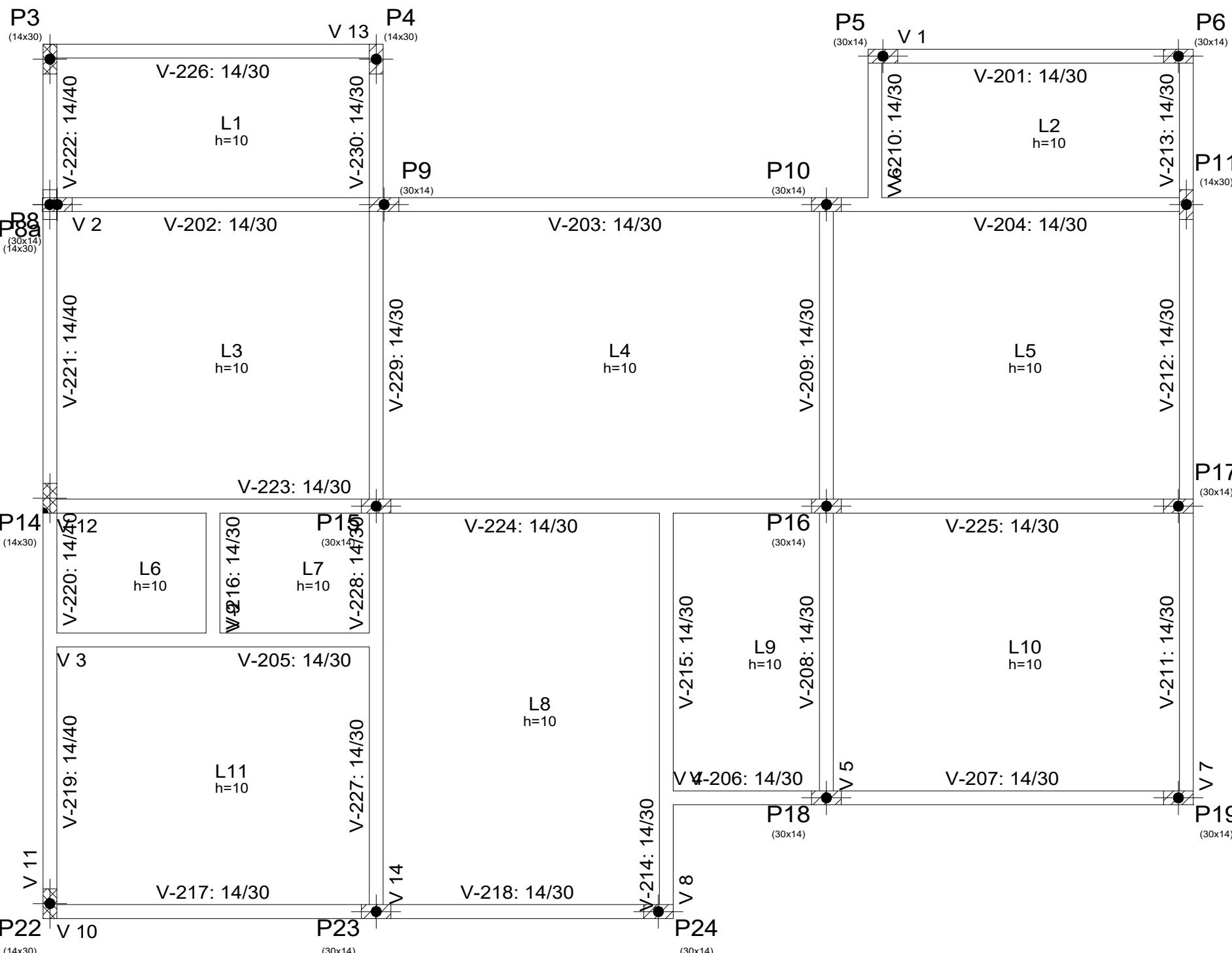
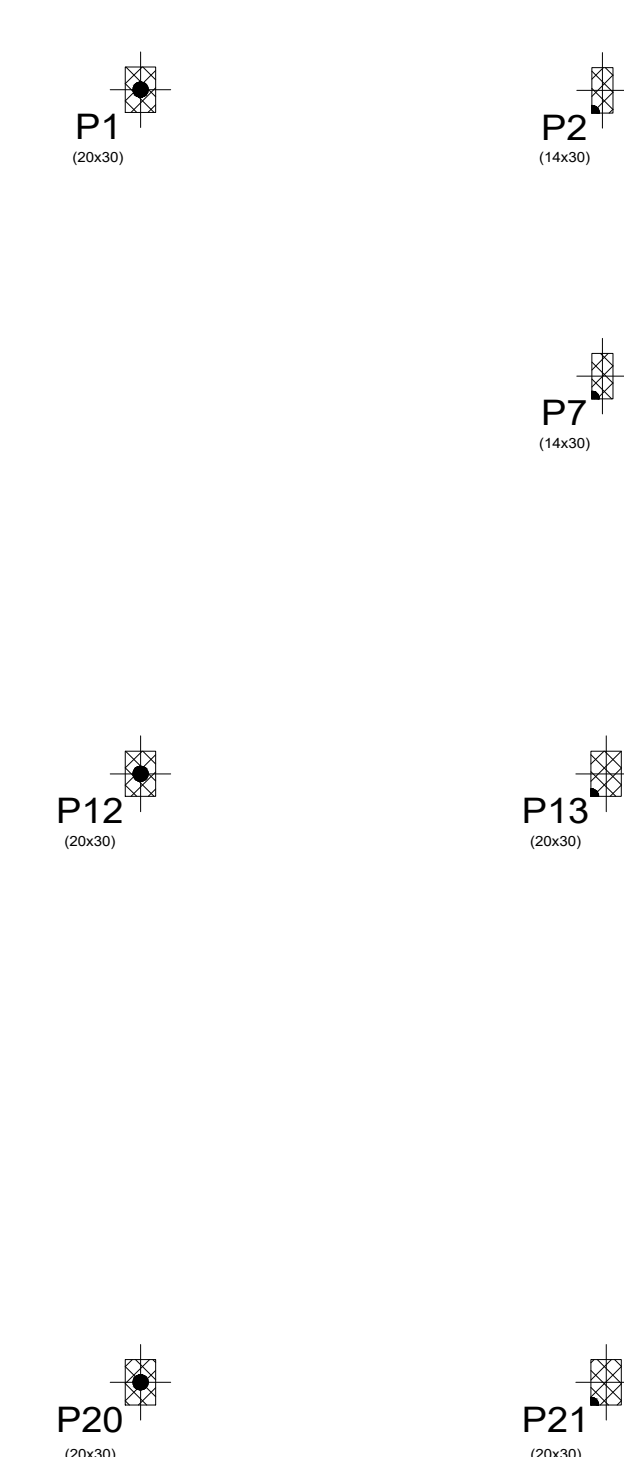
PLANTA DE FORMAS DAS VIGAS BALDRAME

terreo				
Elemento	Formas (m2)	Superfície (m2)	Volume (m3)	Barra (kg)
Vigas	82.72	18.95	6.260	558
Pilares	26.14	-	1.300	43
Total	-	18.95	7.560	601
Índices (por m2)	-	-	0.377	29.98
Superfície total: 20.05 m2				

piso 1				
Elemento	Formas (m2)	Superfície (m2)	Volume (m3)	Barra (kg)
Lajes maciças	-	77.74	7.770	395
Vigas	35.52	10.59	3.590	352
Pilares	64.44	-	3.270	360
Total	-	88.33	14.630	1107
Índices (por m2)	-	-	0.164	12.37
Superfície total: 89.47 m2				

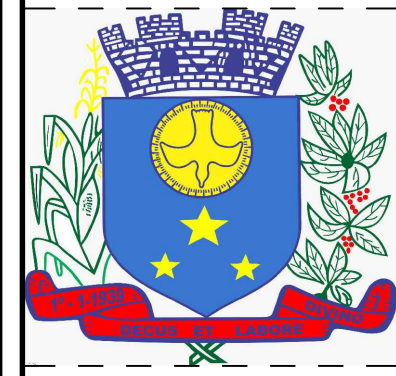


PLANTA DE FORMAS DAS VIGAS DA GAREGM (COBERTURA)



PLANTA DE FORMAS DAS VIGAS DE COBERTURA

cobertura garagem				
Elemento	Formas (m2)	Superfície (m2)	Volume (m3)	Barra (kg)
Lajes maciças	-	75.35	7.530	372
Vigas	41.30	8.81	3.780	275
Pilares	2.12	-	0.120	9
Total	-	84.16	11.430	656
Índices (por m2)	-	-	0.135	7.74
Superfície total: 84.71 m2				



OBRA:

CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:

PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:

PARQUE INDUSTRIAL, DIVINO/MG

DATA:

01/10/2025

AUTOR DO PROJETO:

BRUNO MORAIS PARREIRA DA SILVA

R.T:

BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:

245032/D

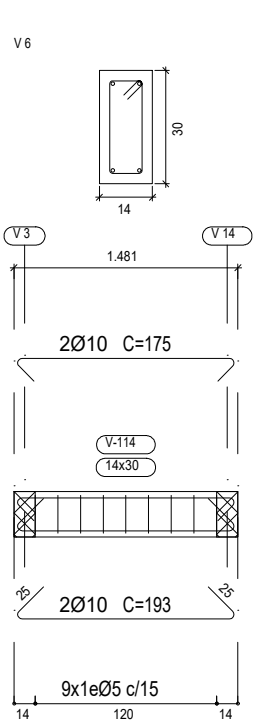
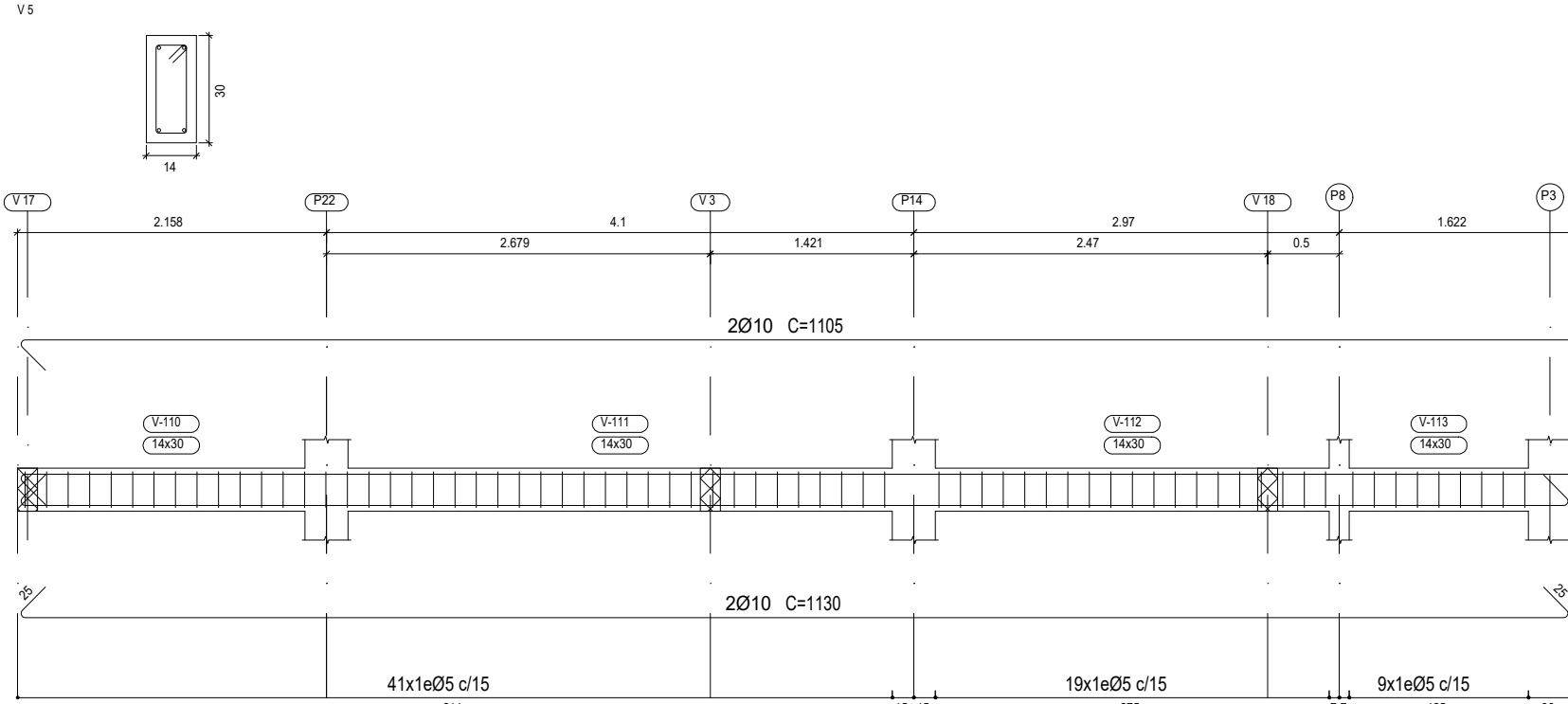
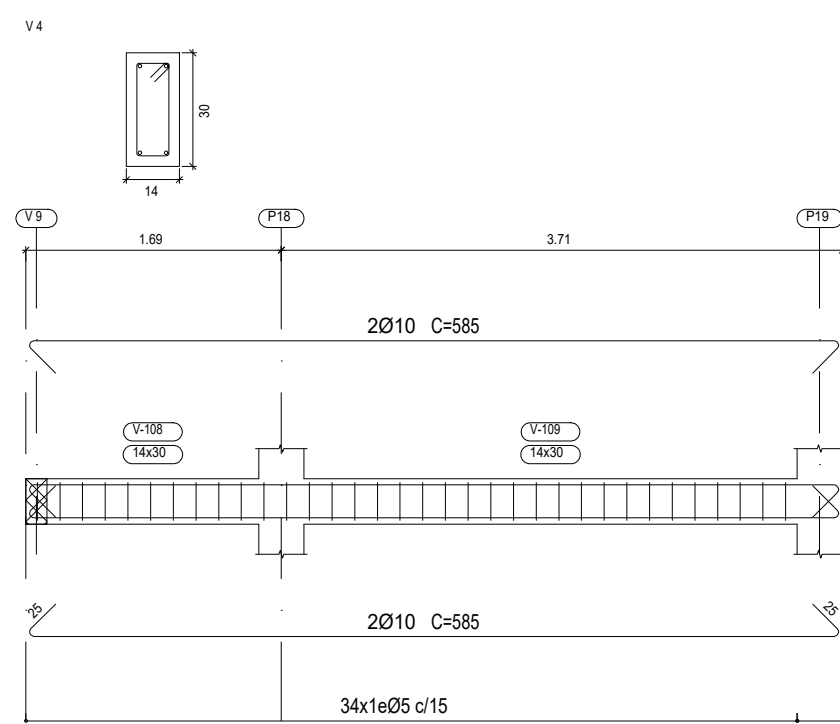
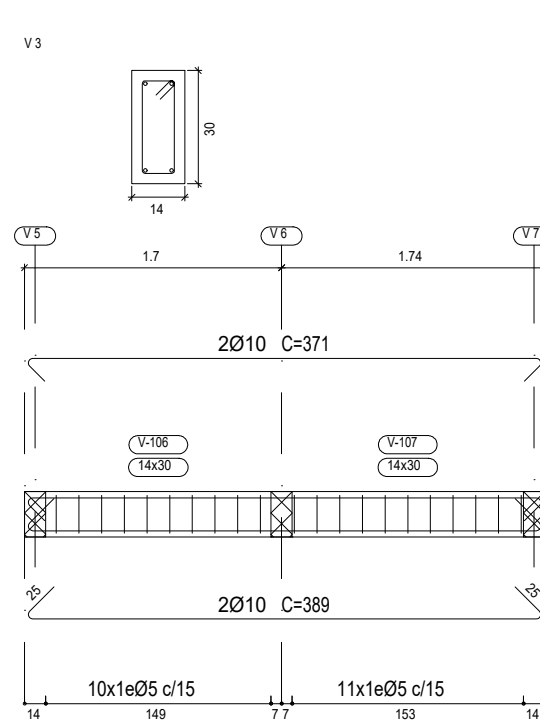
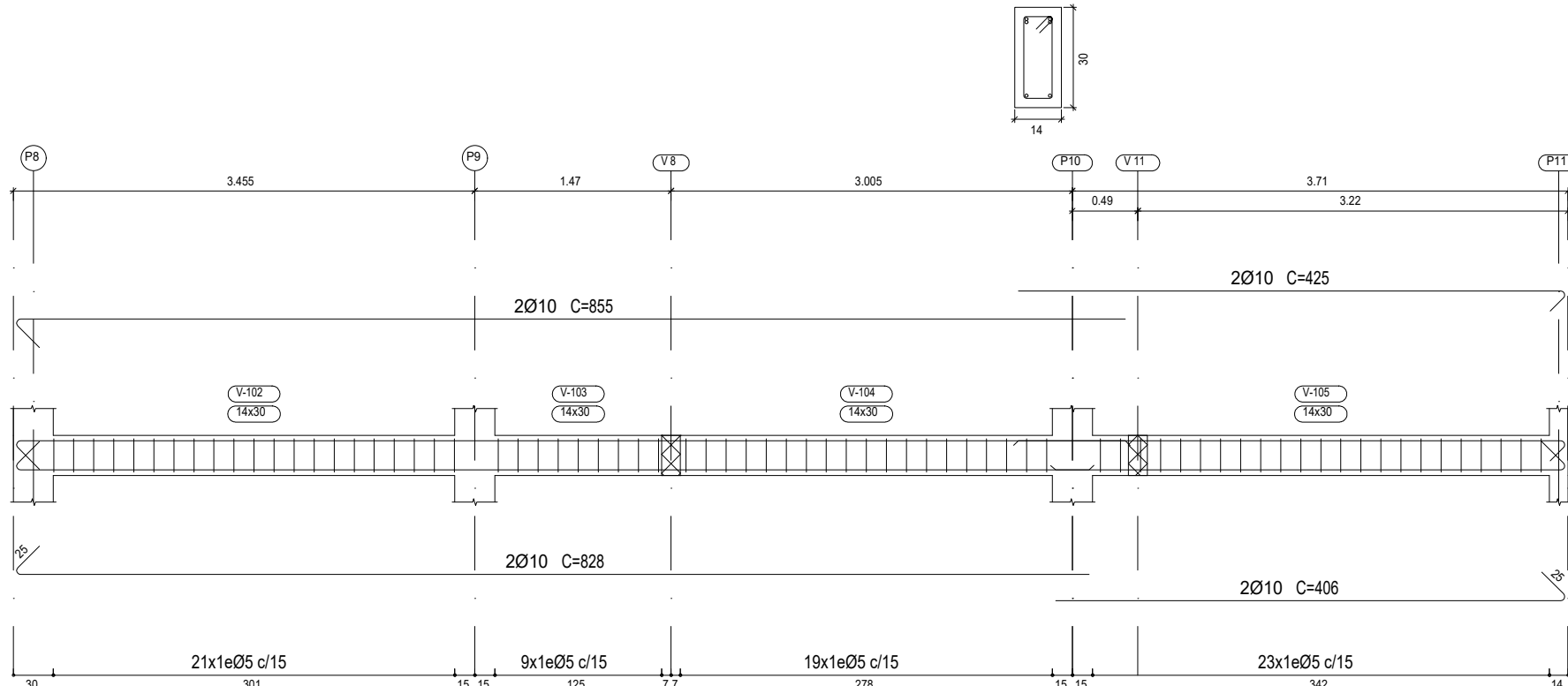
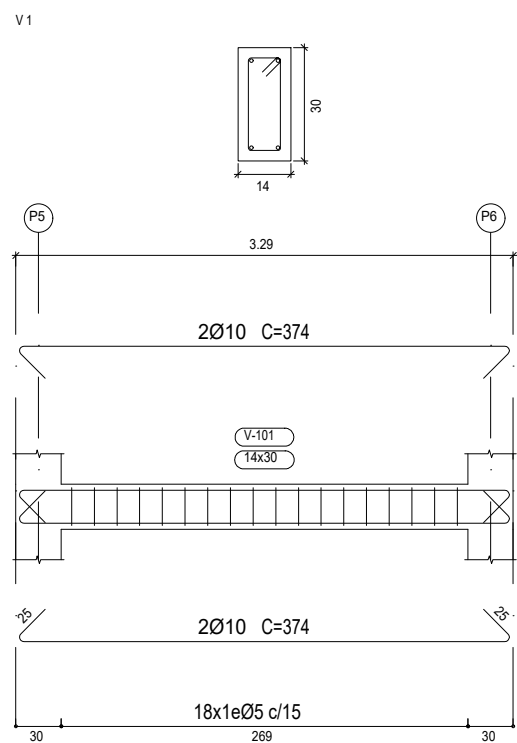
Nº DA PRANCHA

05 / 11

ESCALA:

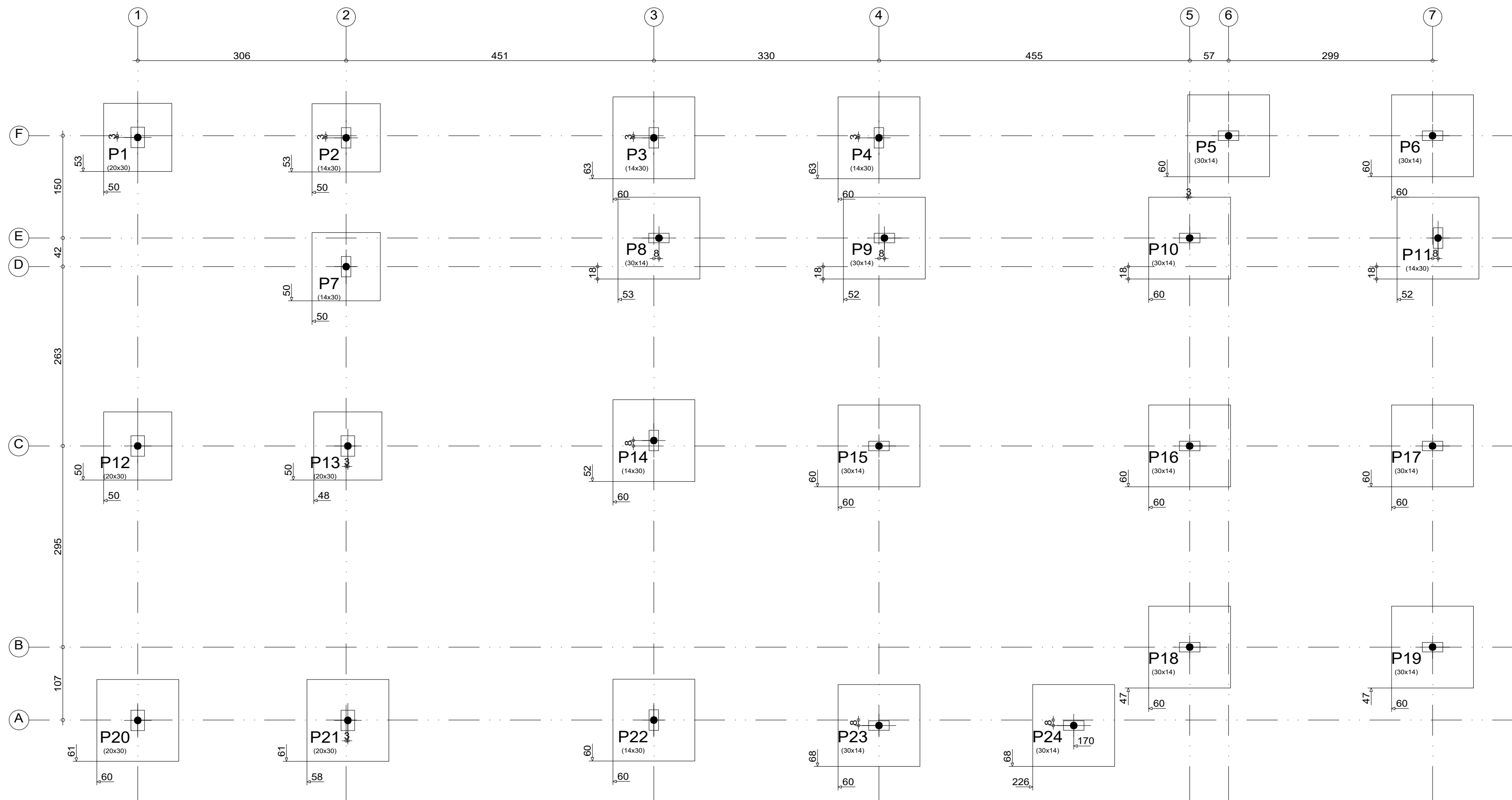
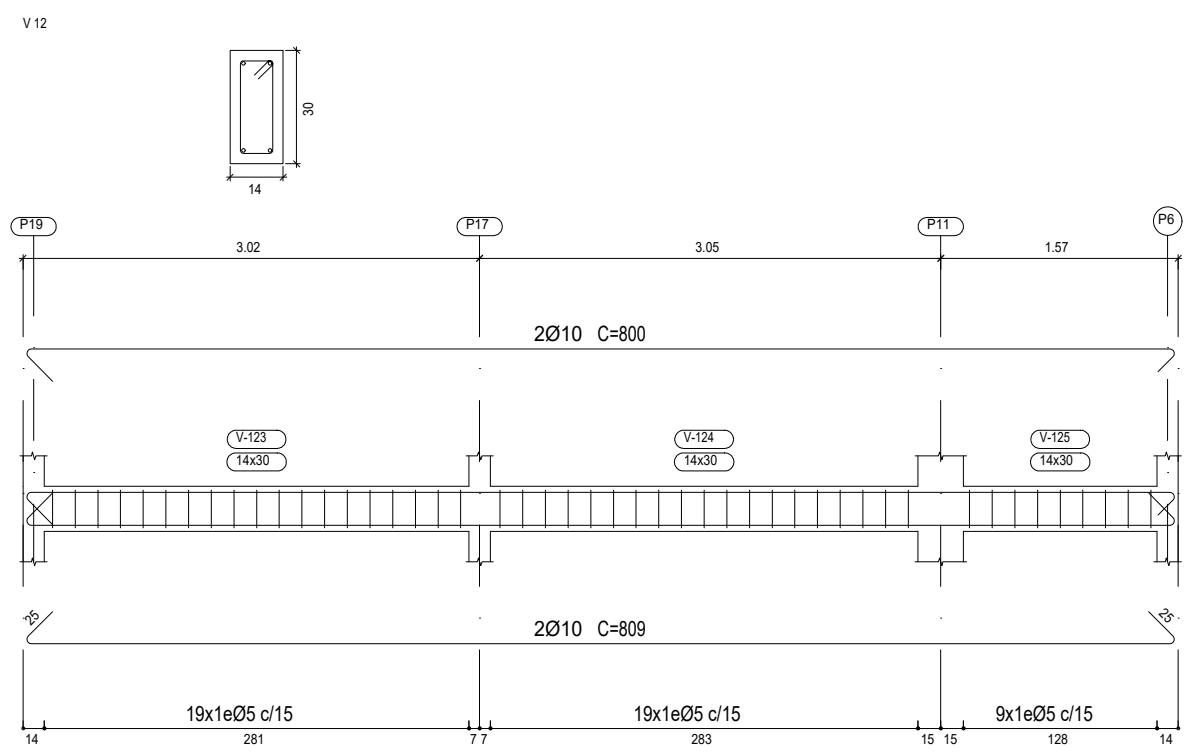
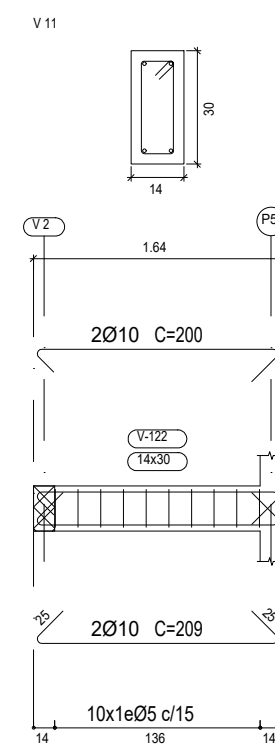
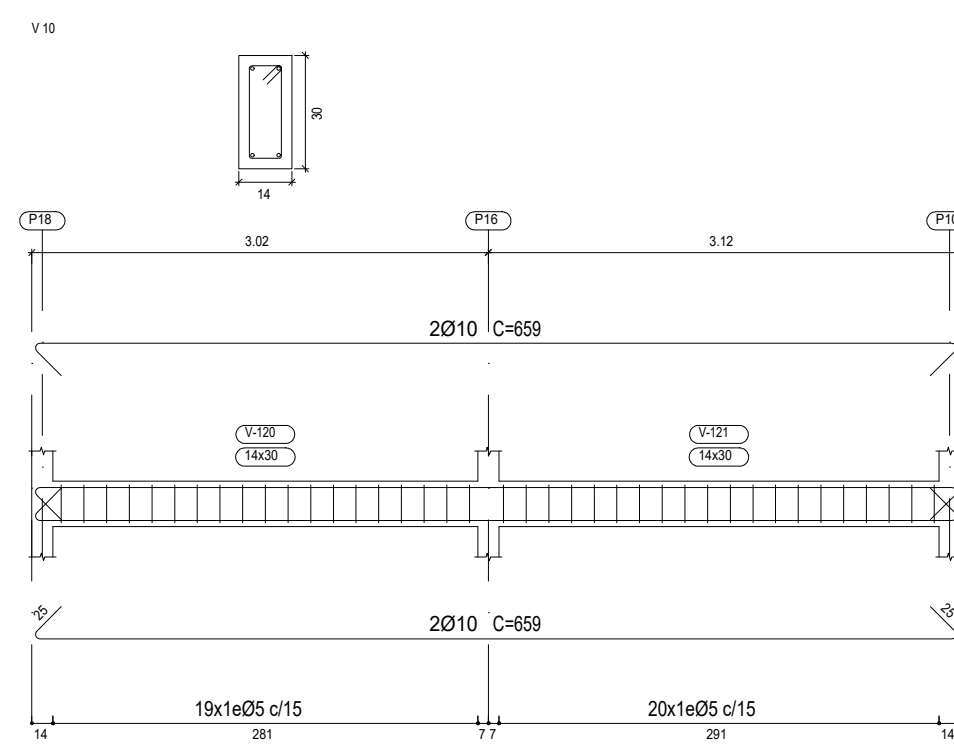
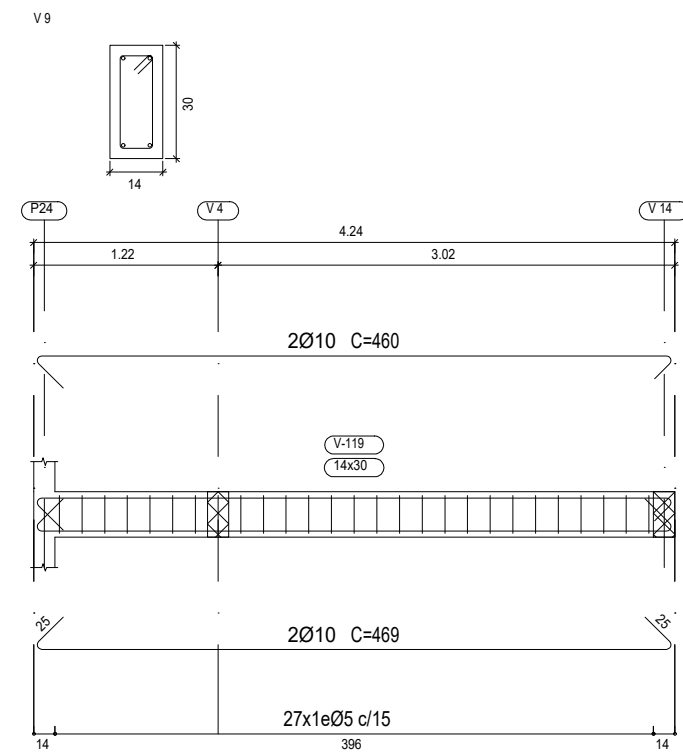
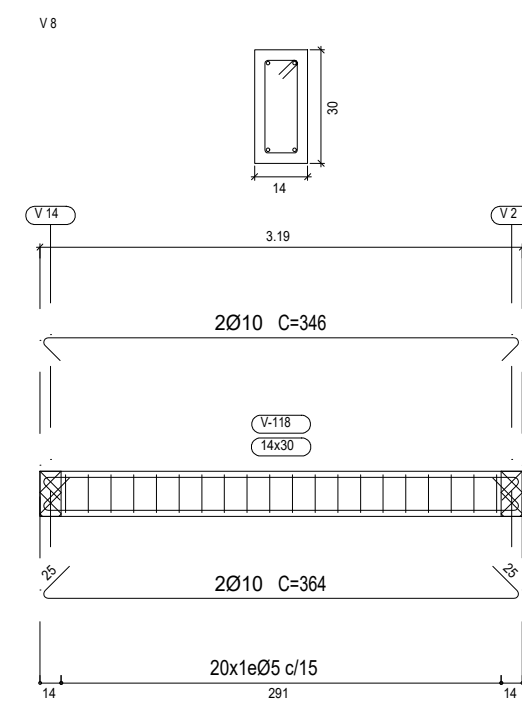
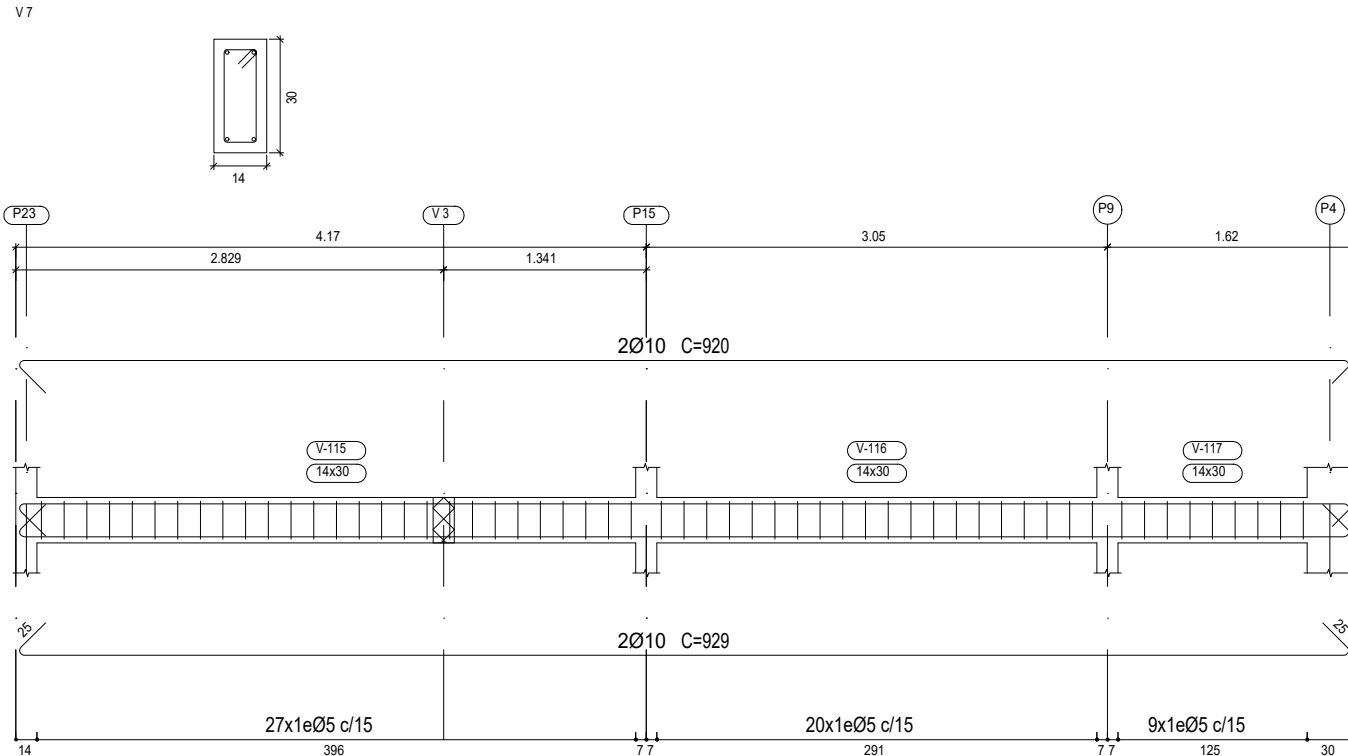
INDICADA






Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø10	639.4	433
CA-60	Ø5	721.6	125
Total			558

terreo  
Desenho de vigas  
Concreto: C20, em geral  
Aço das barras: CA-50 e CA-60  
Aço dos estribos: CA-50 e CA-60  
Escala vigas 1:50  
Escala seções 1:20  
Escala aberturas 1:20



PLANTA DE LOCAÇÃO DAS SAPATAS



OBRA:

CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:

PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:

PARQUE INDUSTRIAL, DIVINO/MG

DATA:

01/10/2025

AUTOR DO PROJETO:

BRUNO MORAIS PARREIRA DA SILVA

R.T.:

BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:

245032/D

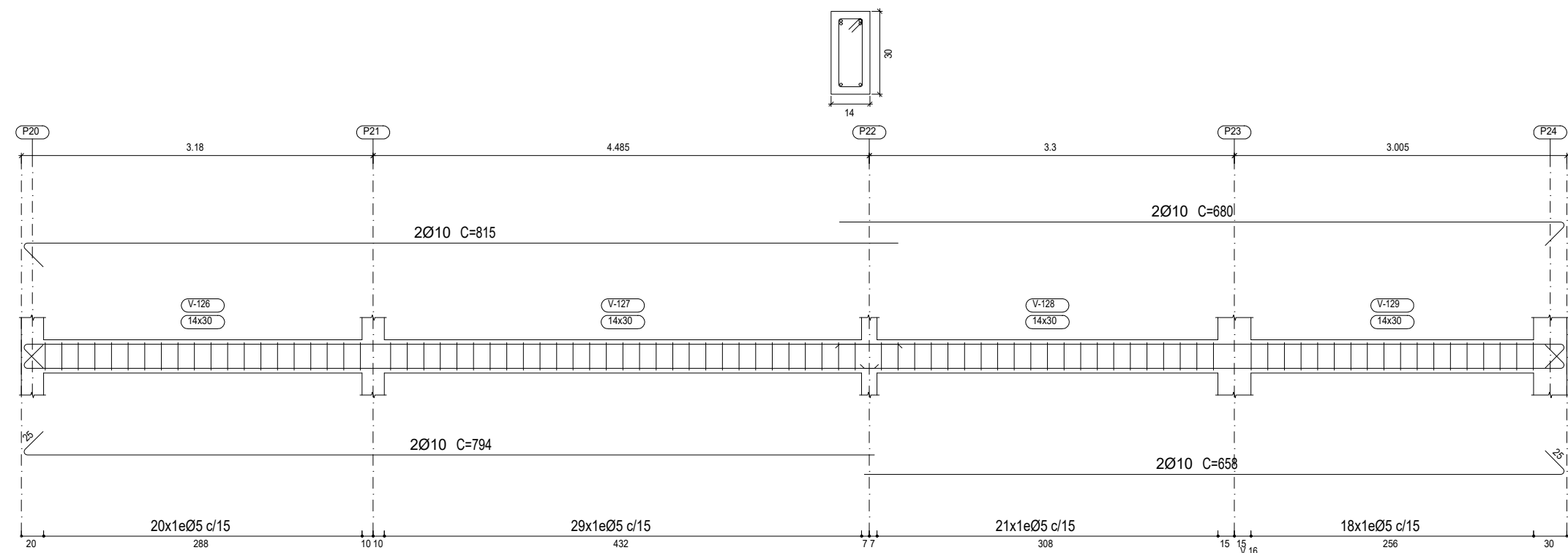
Nº DA PRANCHA

06 / 11

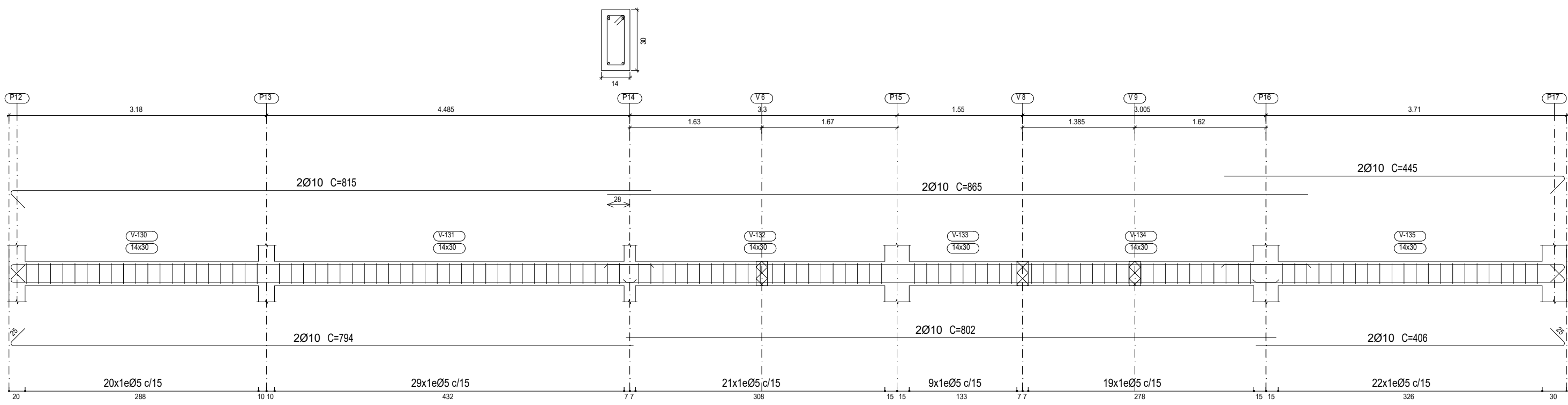
ESCALA:

INDICADA

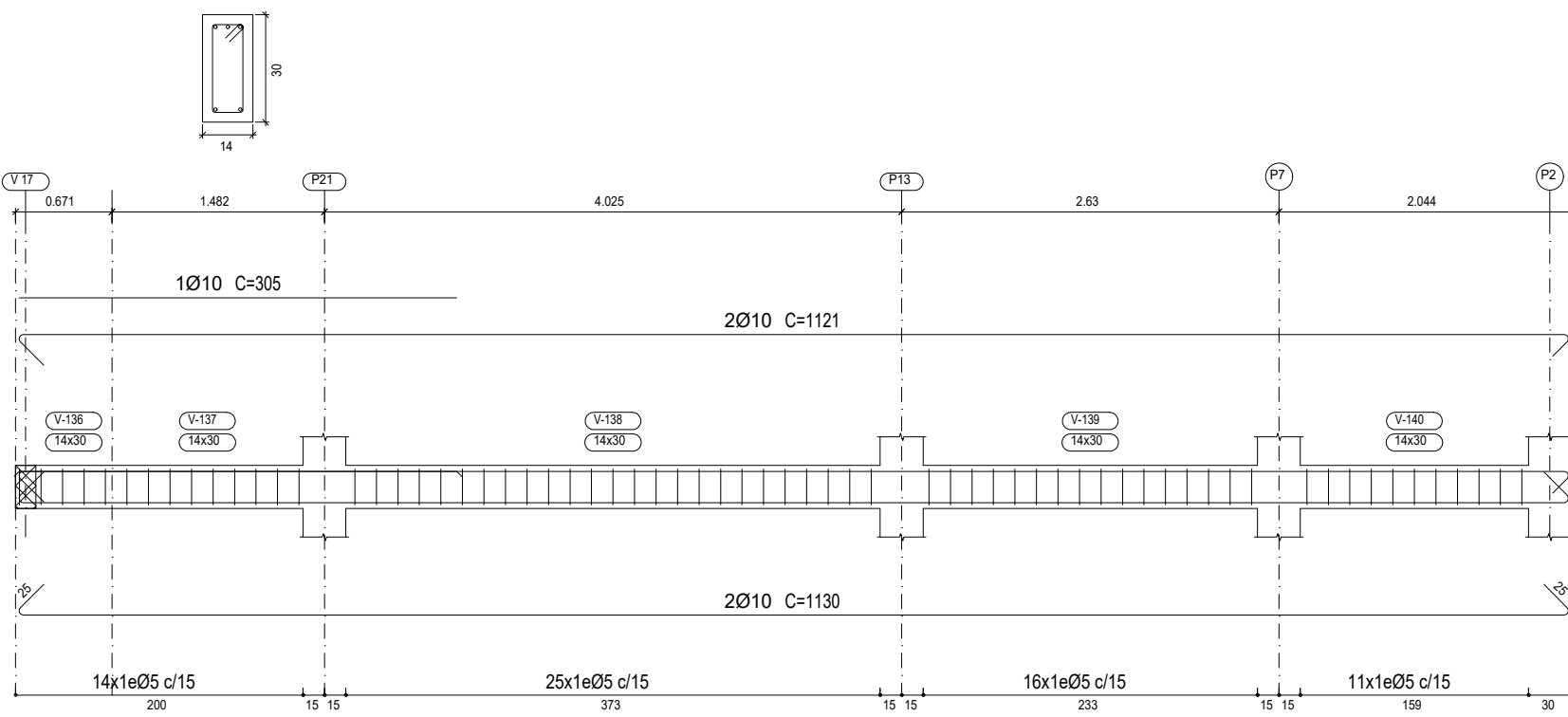
V 13



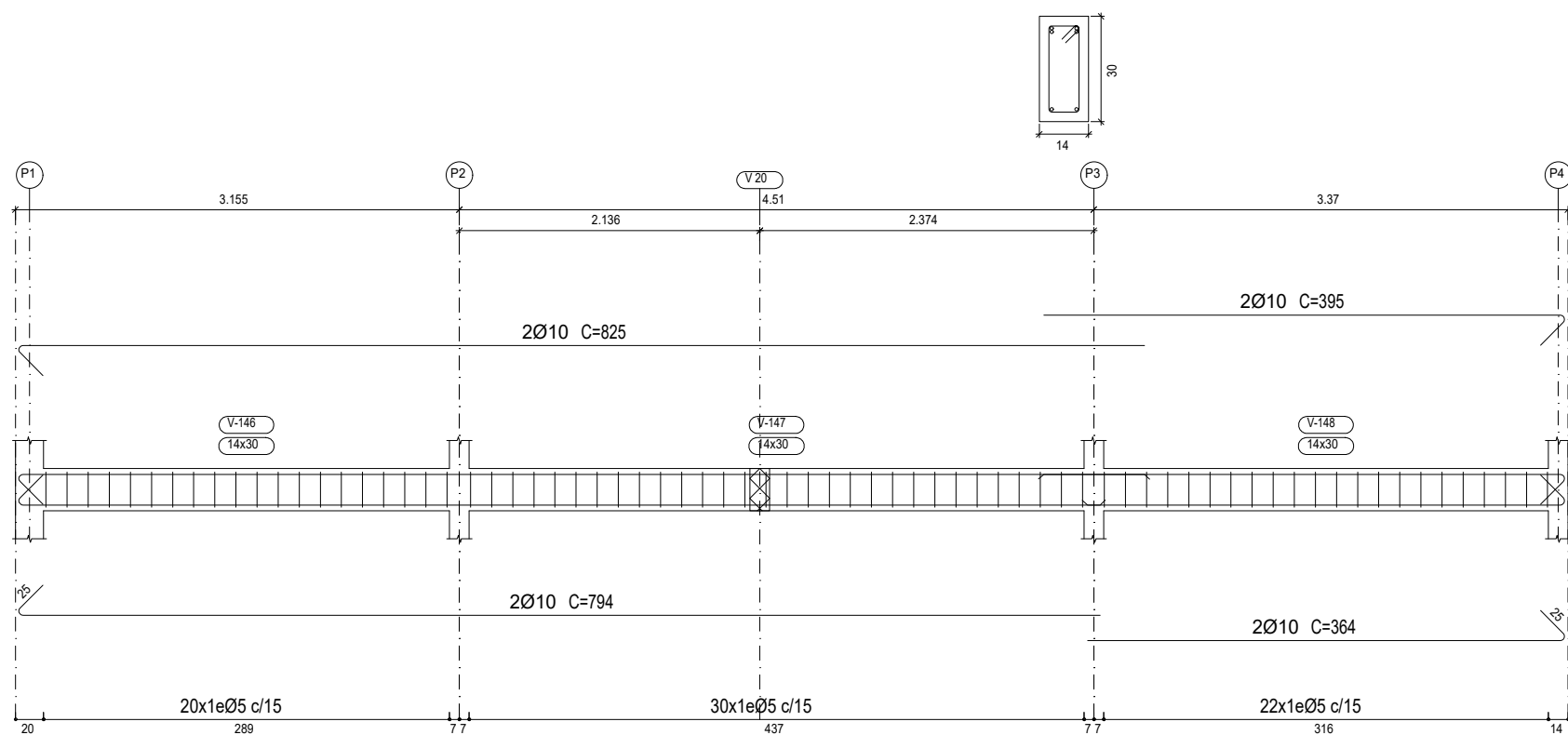
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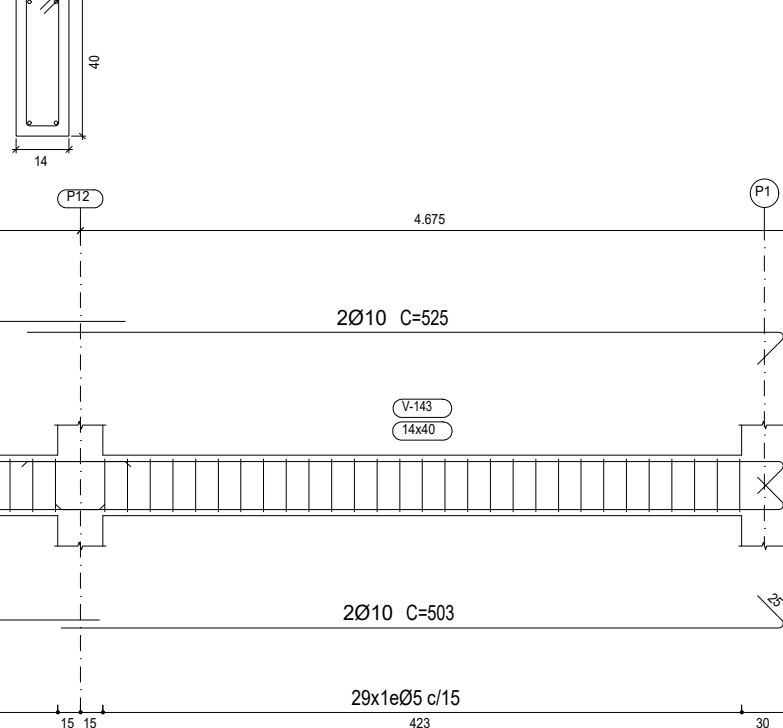
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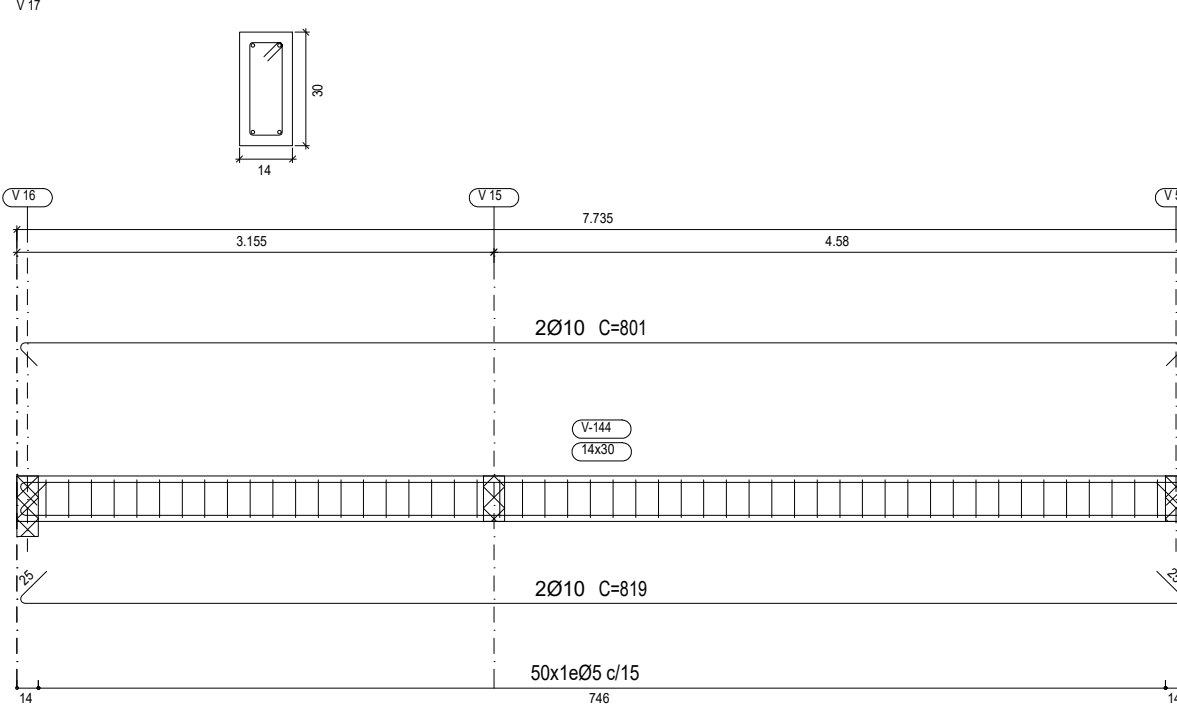
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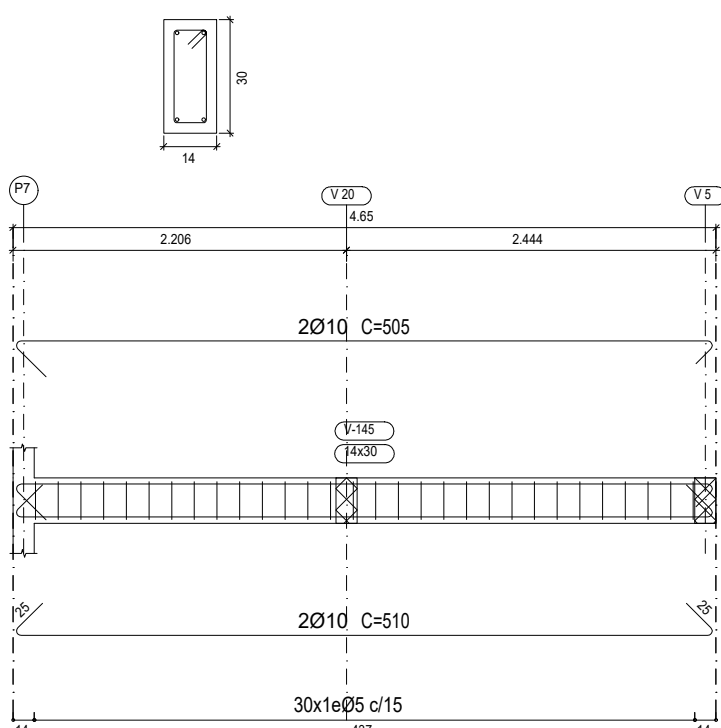
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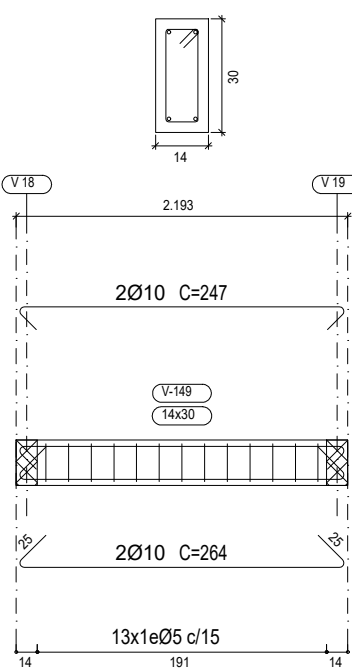
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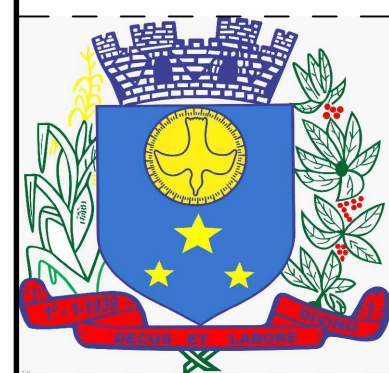
V 18



V 20



## VIGAS BALDRAME



OBRA:  
CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:  
PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:  
PARQUE INDUSTRIAL, DIVINO/MG

DATA:  
01/10/2025

Nº DA PRANCHA

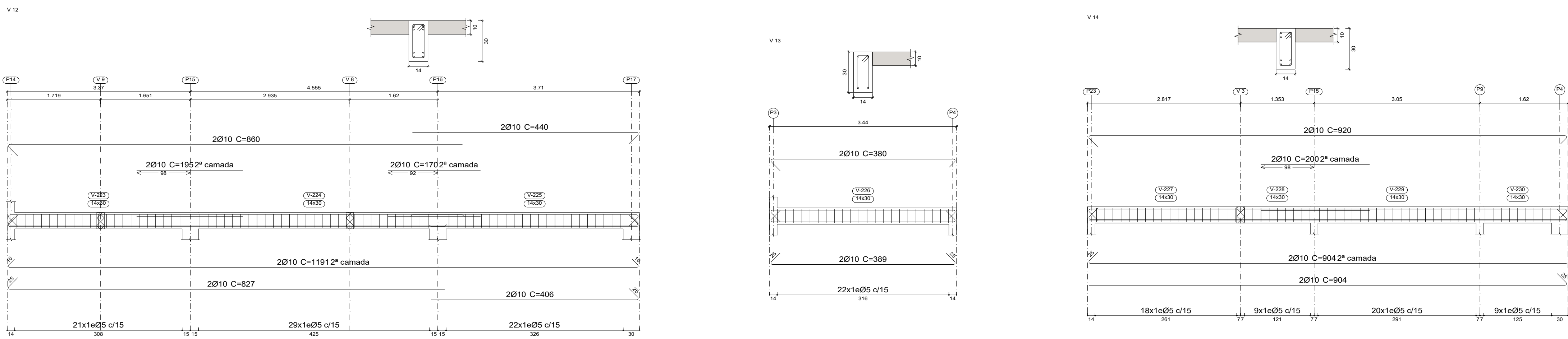
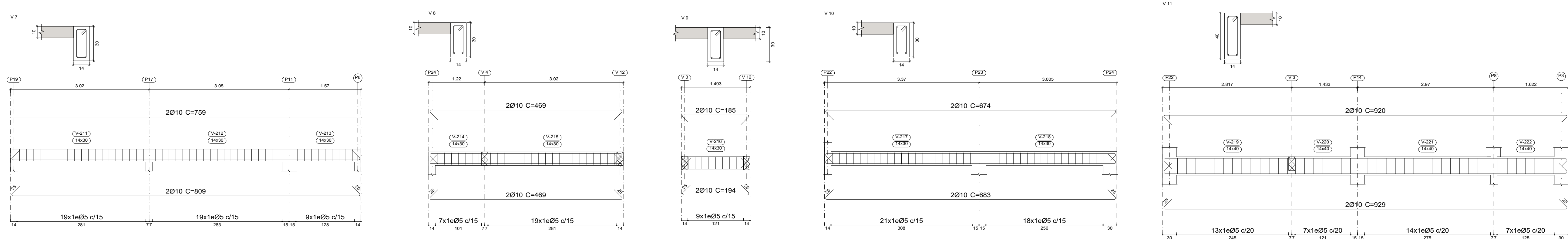
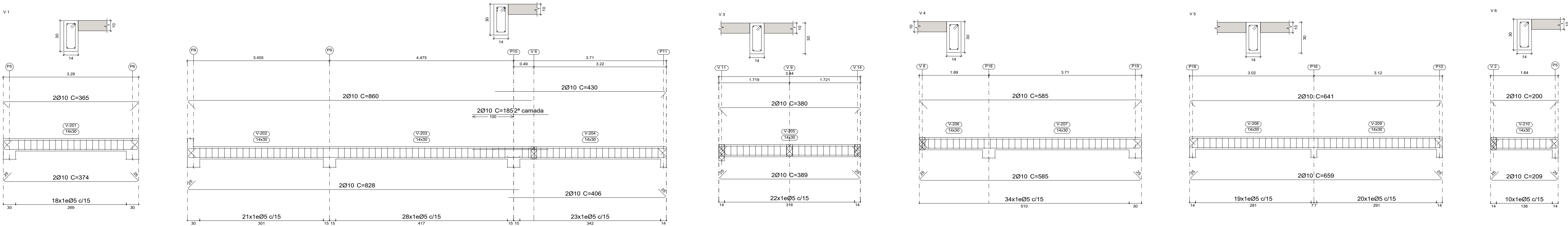
AUTOR DO PROJETO:  
BRUNO MORAIS PARREIRA DA SILVA

07 / 11


R.T:  
BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:  
245032/D

ESCALA:  
INDICADA



Resumo Aço		Comp. total	Peso+10%	Total
Desenho de vigas		(m)	(kg)	
CA-50	Ø10	419.5	284	284
CA-60	Ø5	393.5	68	68
Total				352



OBRA:

CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:

PREFEITURA MUNICIPAL DE DIVINO/MG

ENDEREÇO:

PARQUE INDUSTRIAL, DIVINO/MG

DATA:

01/10/2025

AUTOR DO PROJETO:

BRUNO MORAIS PARREIRA DA SILVA

R.T:

BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:

245032/D

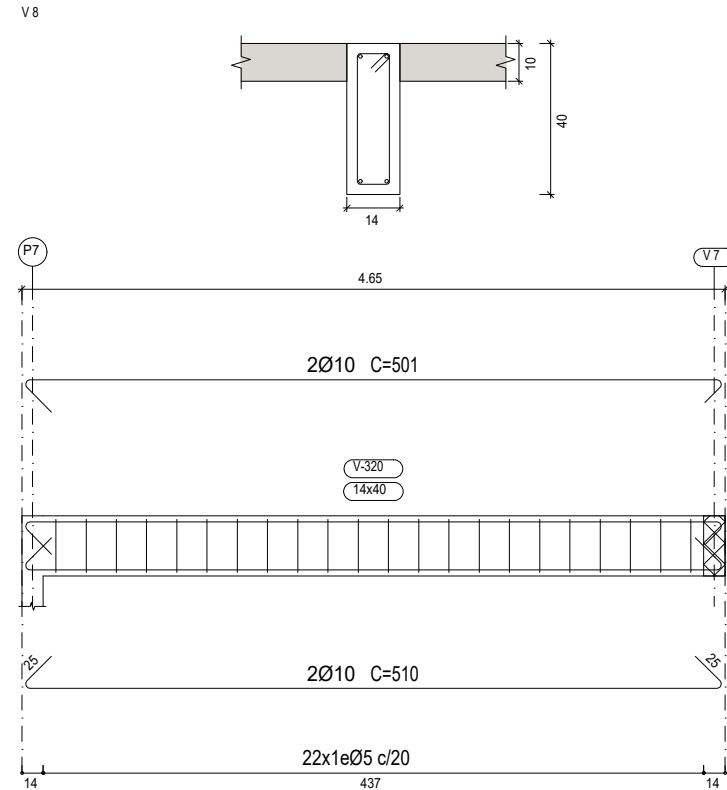
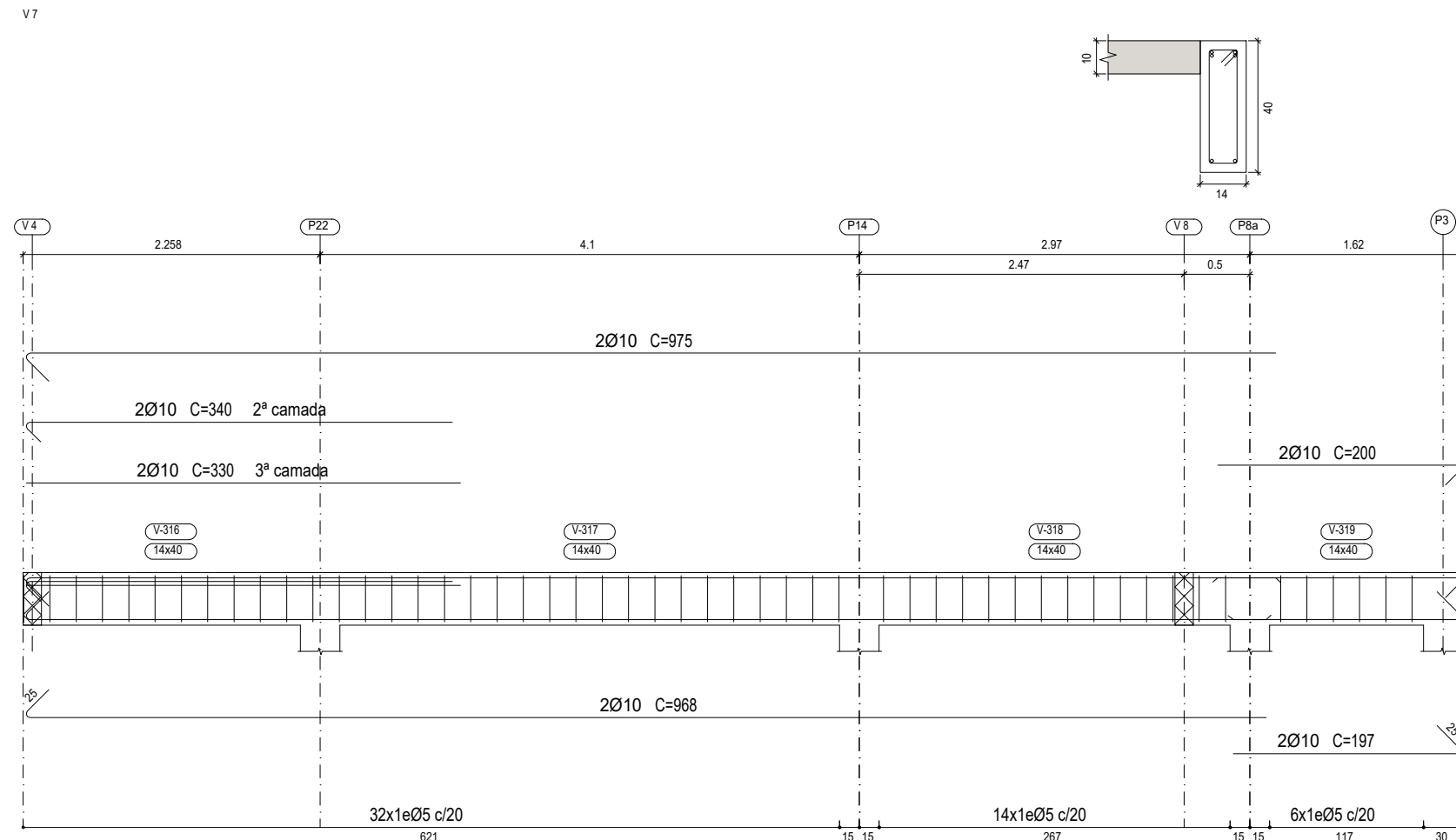
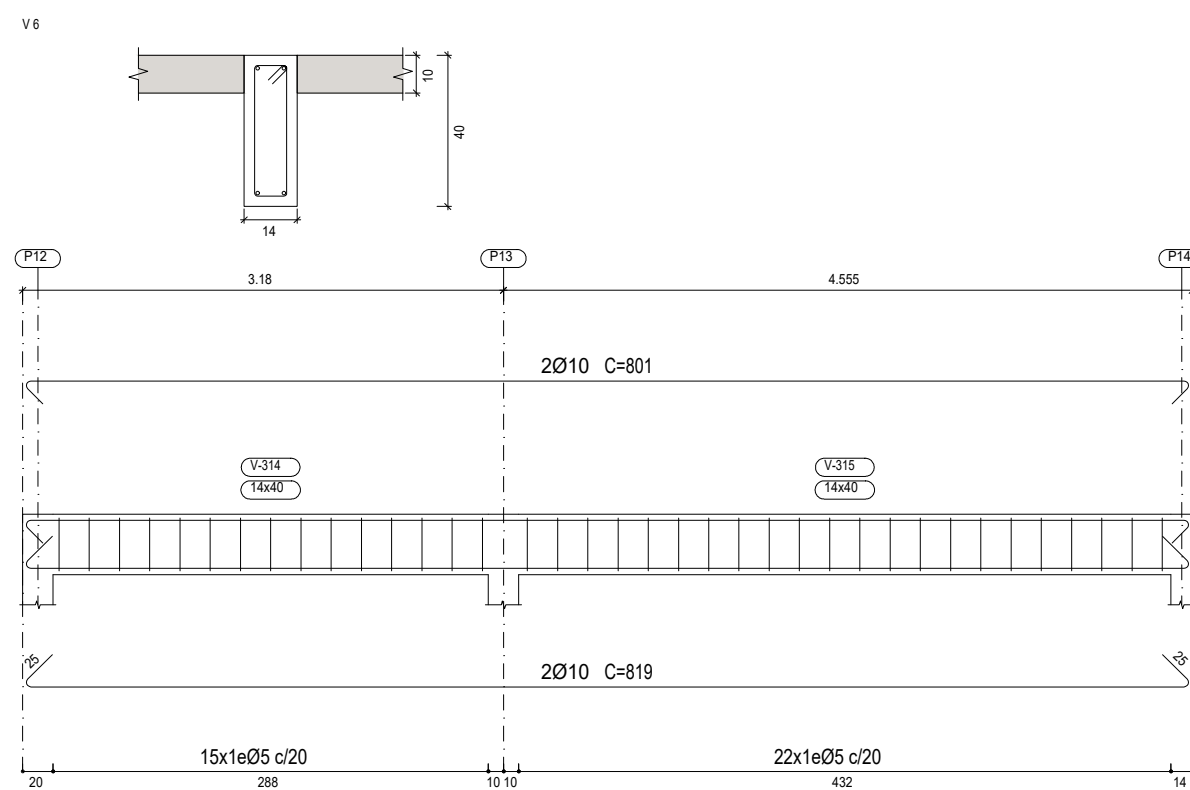
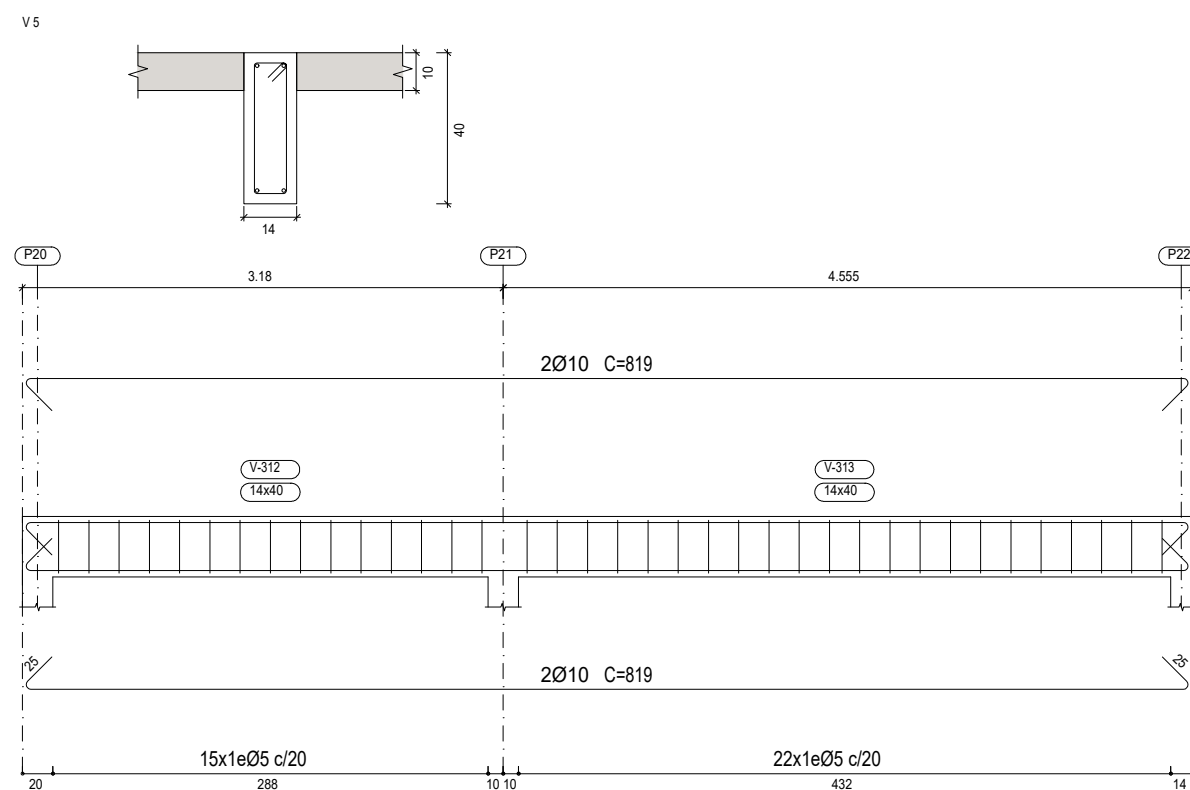
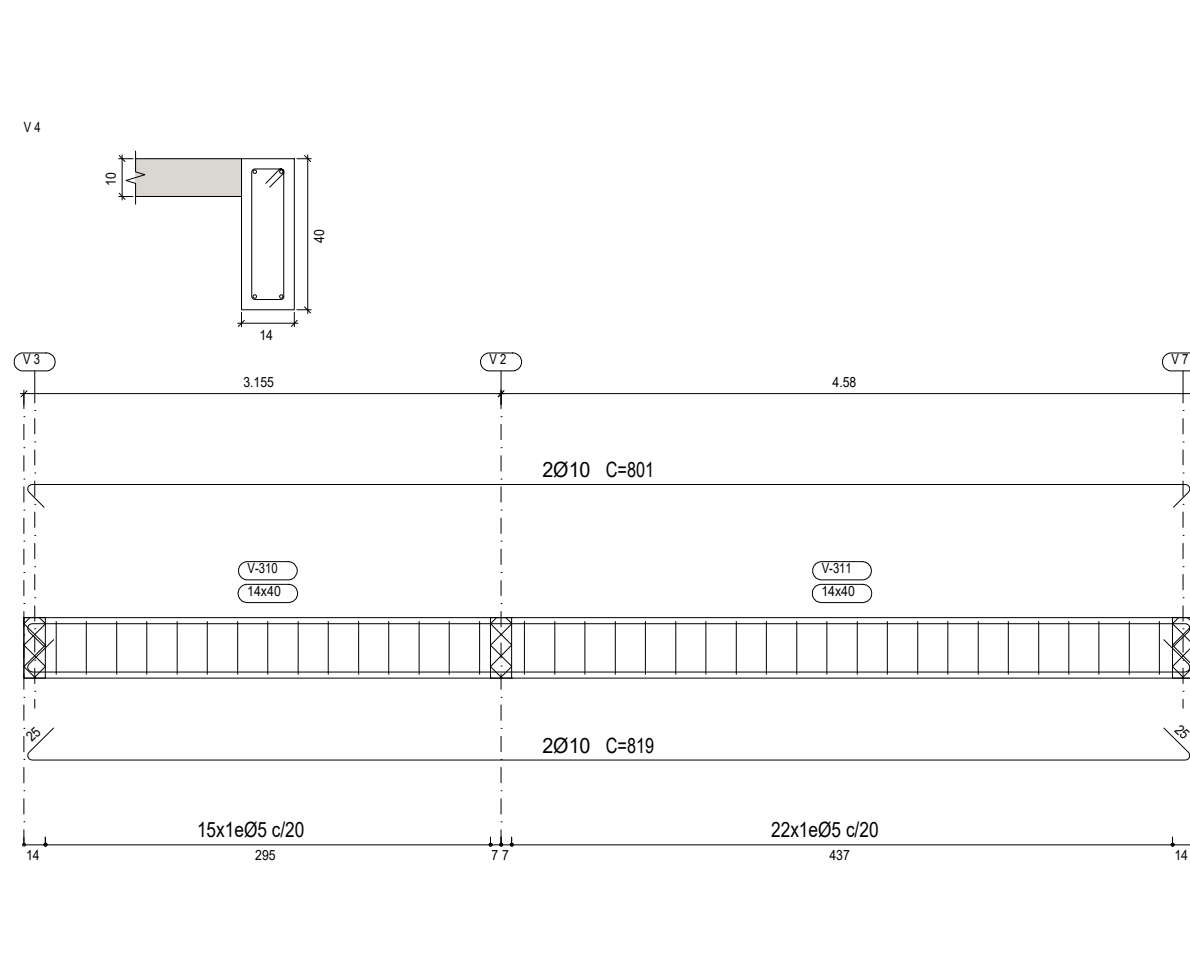
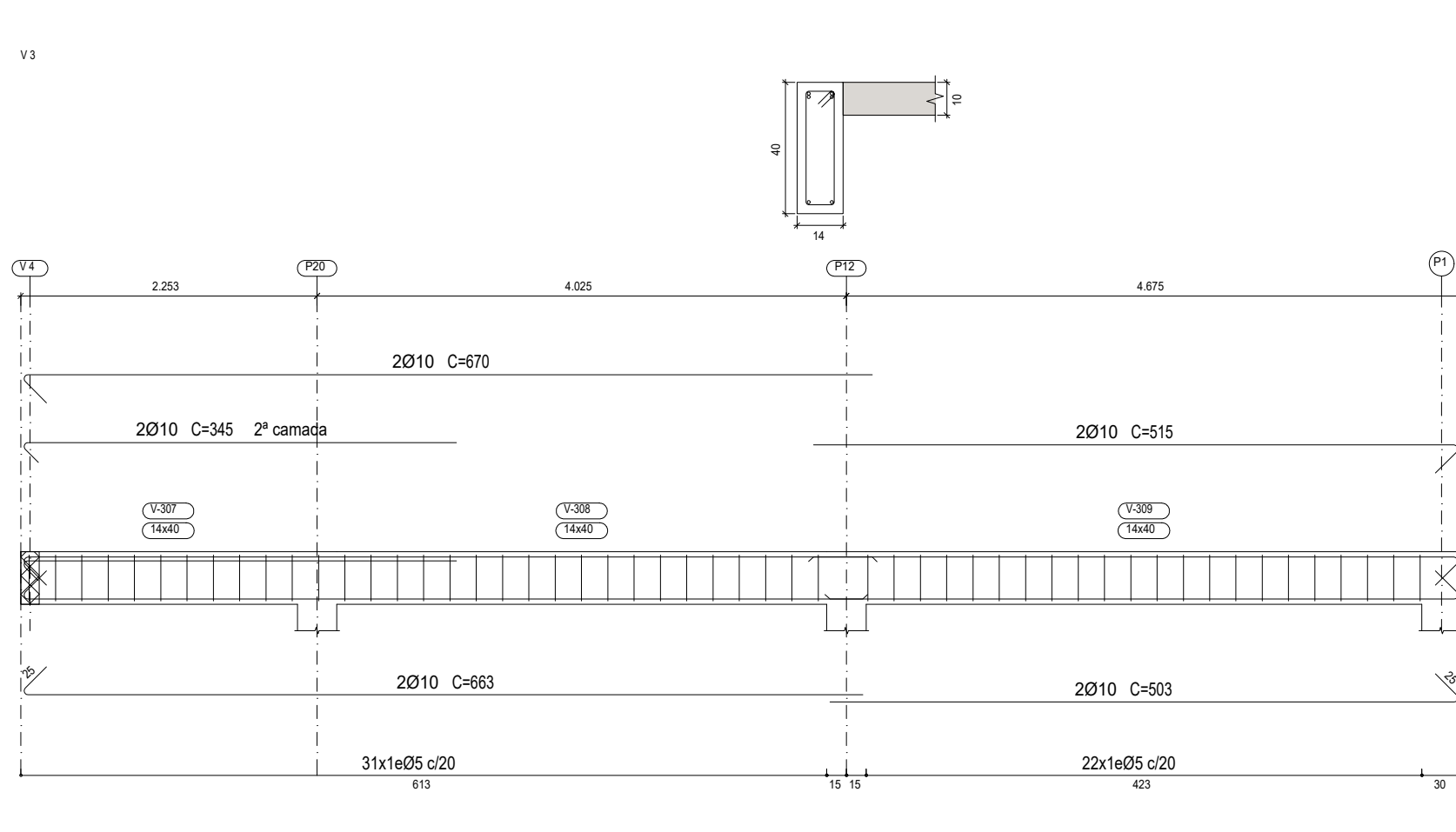
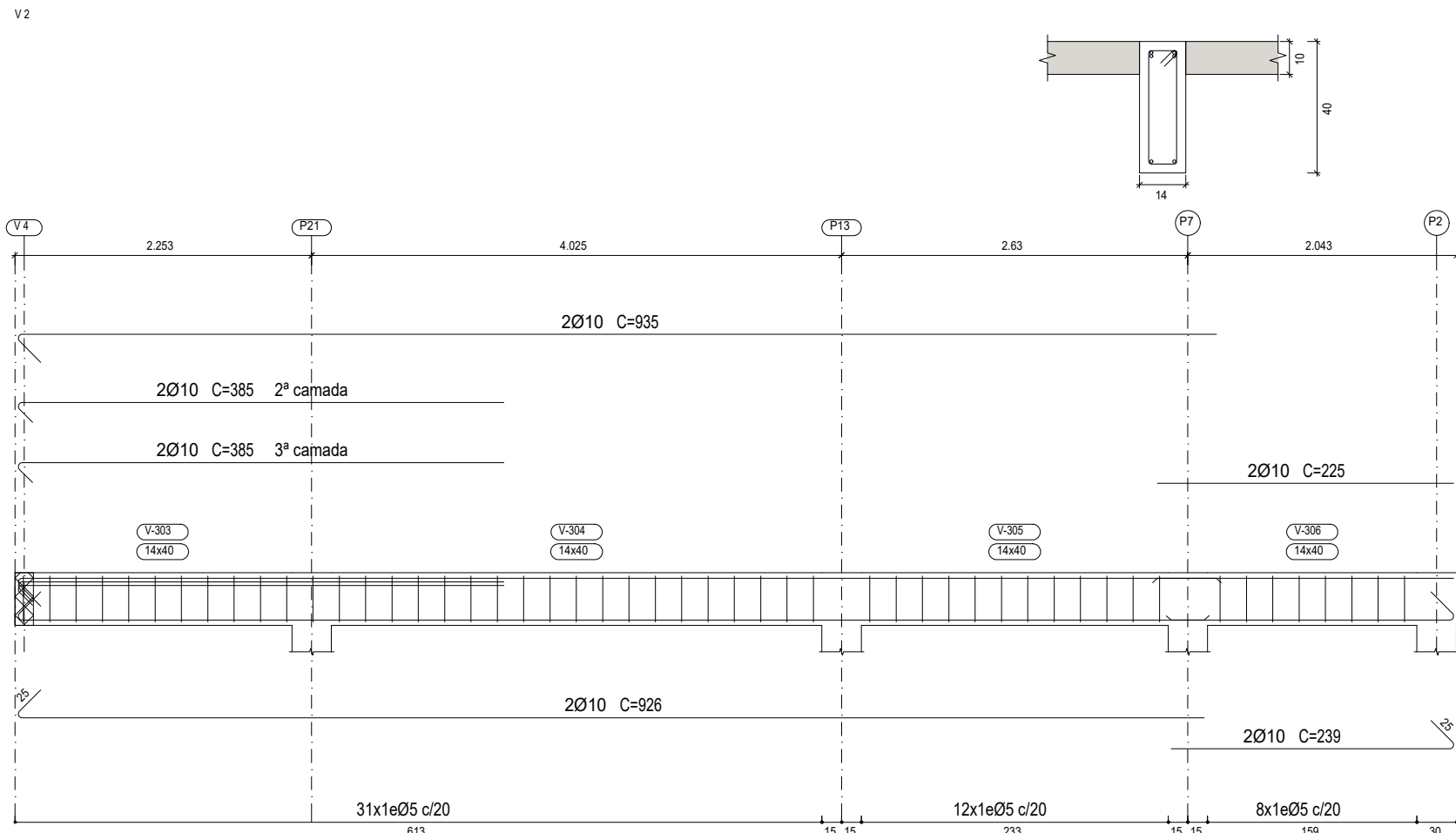
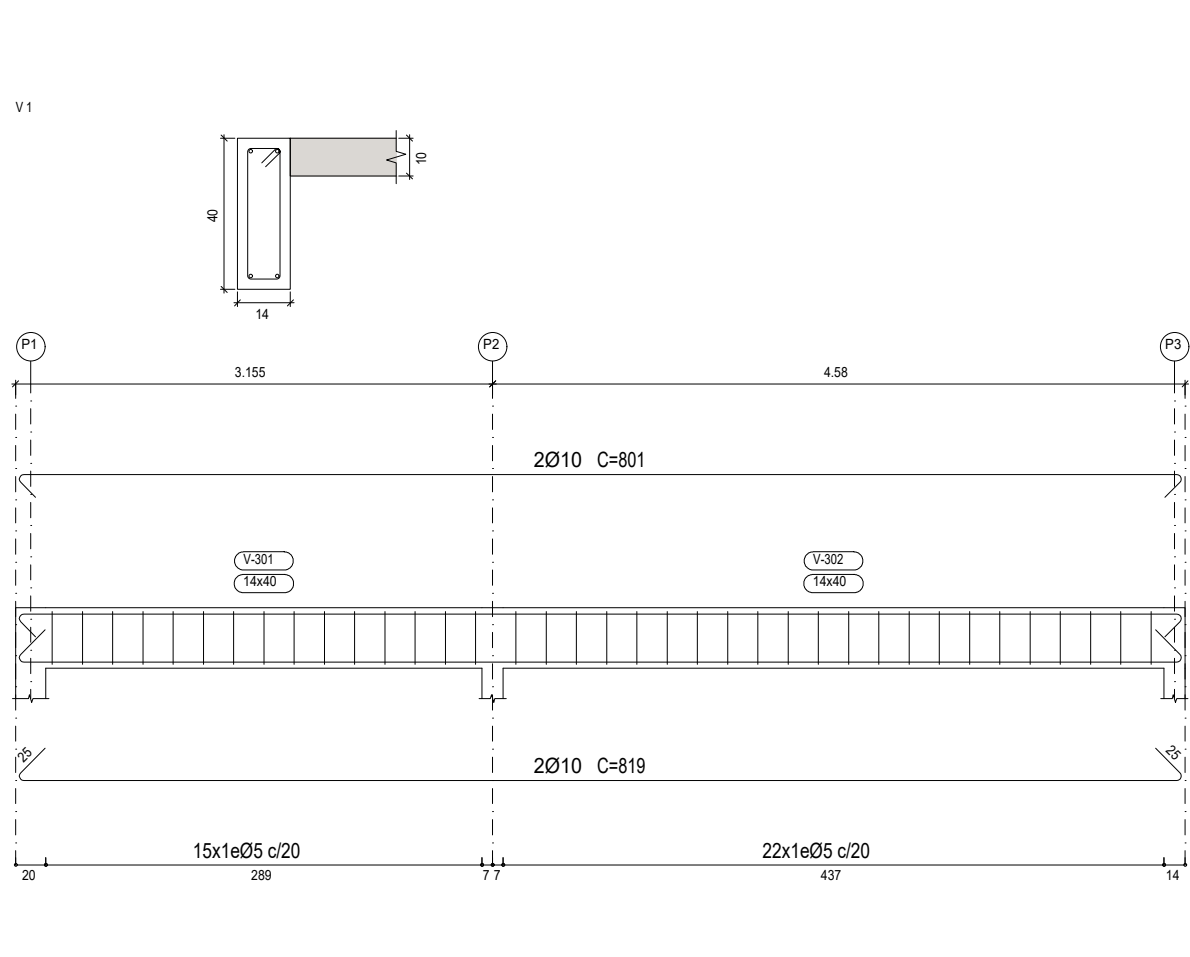
Nº DA PRANCHA

08 / 11

ESCALA:

INDICADA

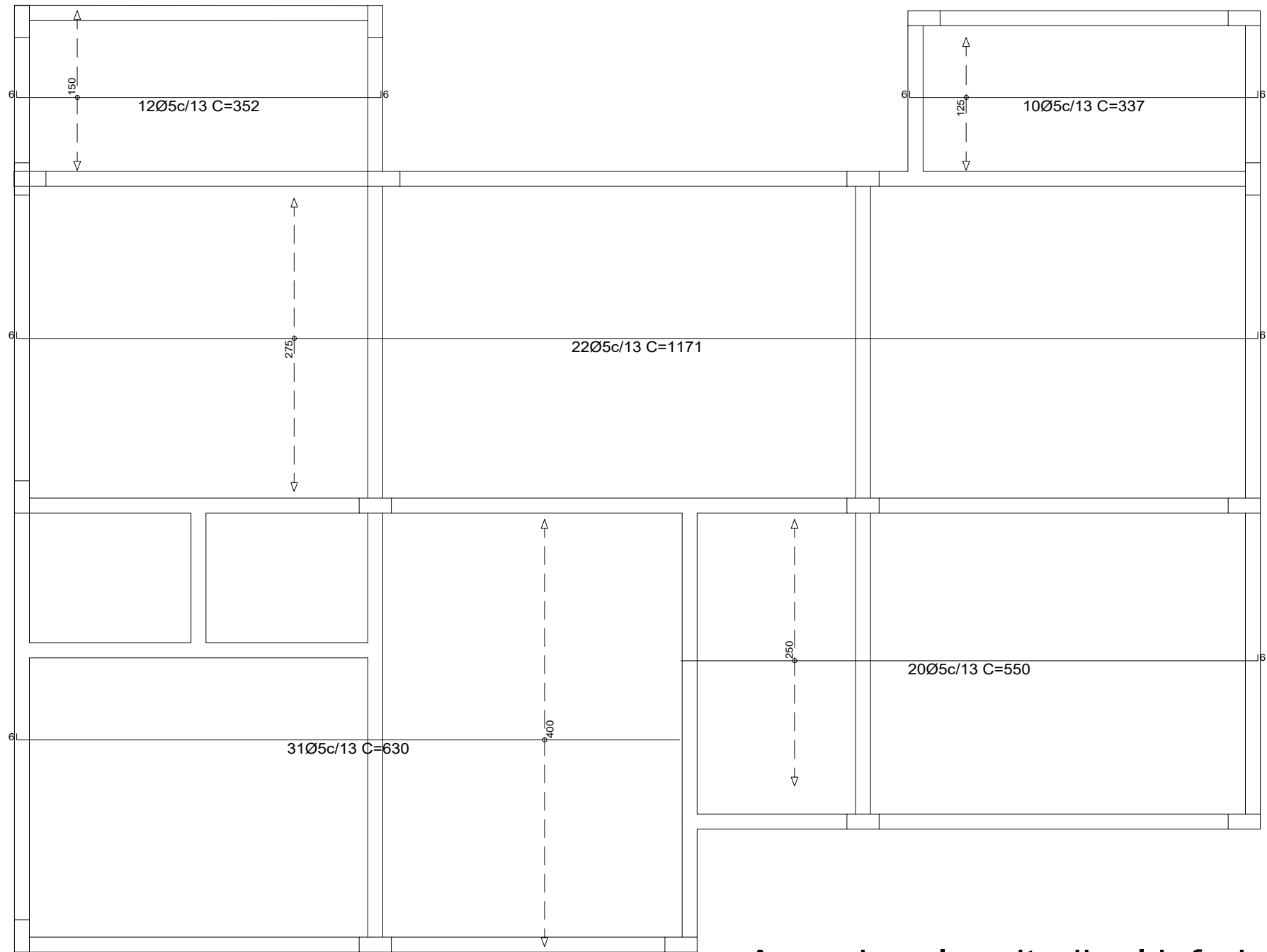




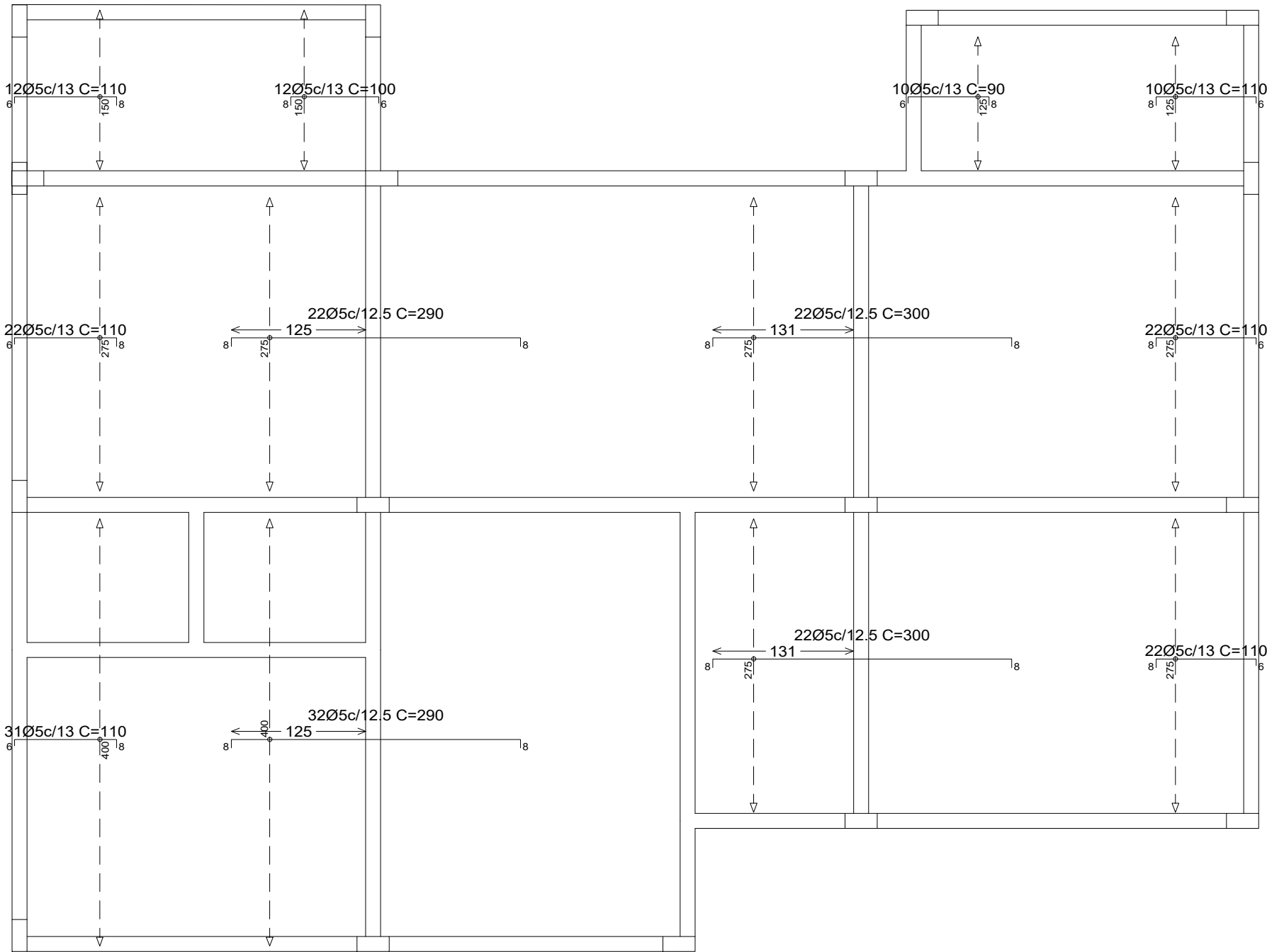
Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø10	326.2	221	221
CA-60 Ø5	313.0	54	54
Total			275

## VIGAS DA GARAGEM

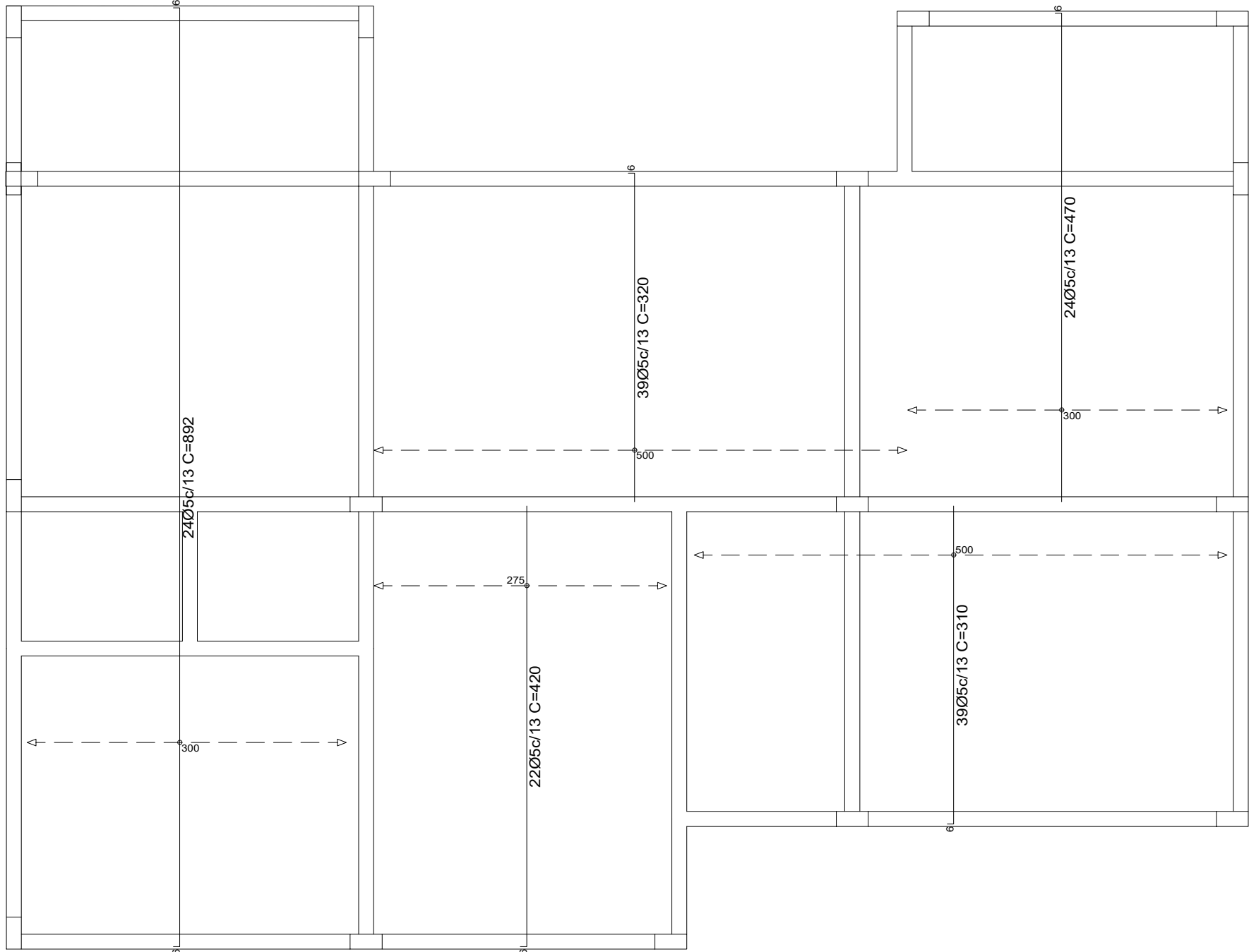
	OBRA: CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192		
	CLIENTE: PREFEITURA MUNICIPAL DE DIVINO/MG		
	ENDEREÇO: PARQUE INDUSTRIAL, DIVINO/MG		
	DATA: 01/10/2025	Nº DA PRANCHA 09 / 11	
R.T: BRUNO MORAIS PARREIRA DA SILVA		AUTOR DO PROJETO: BRUNO MORAIS PARREIRA DA SILVA	
CREA/MG: 245032/D		ESCALA: INDICADA	



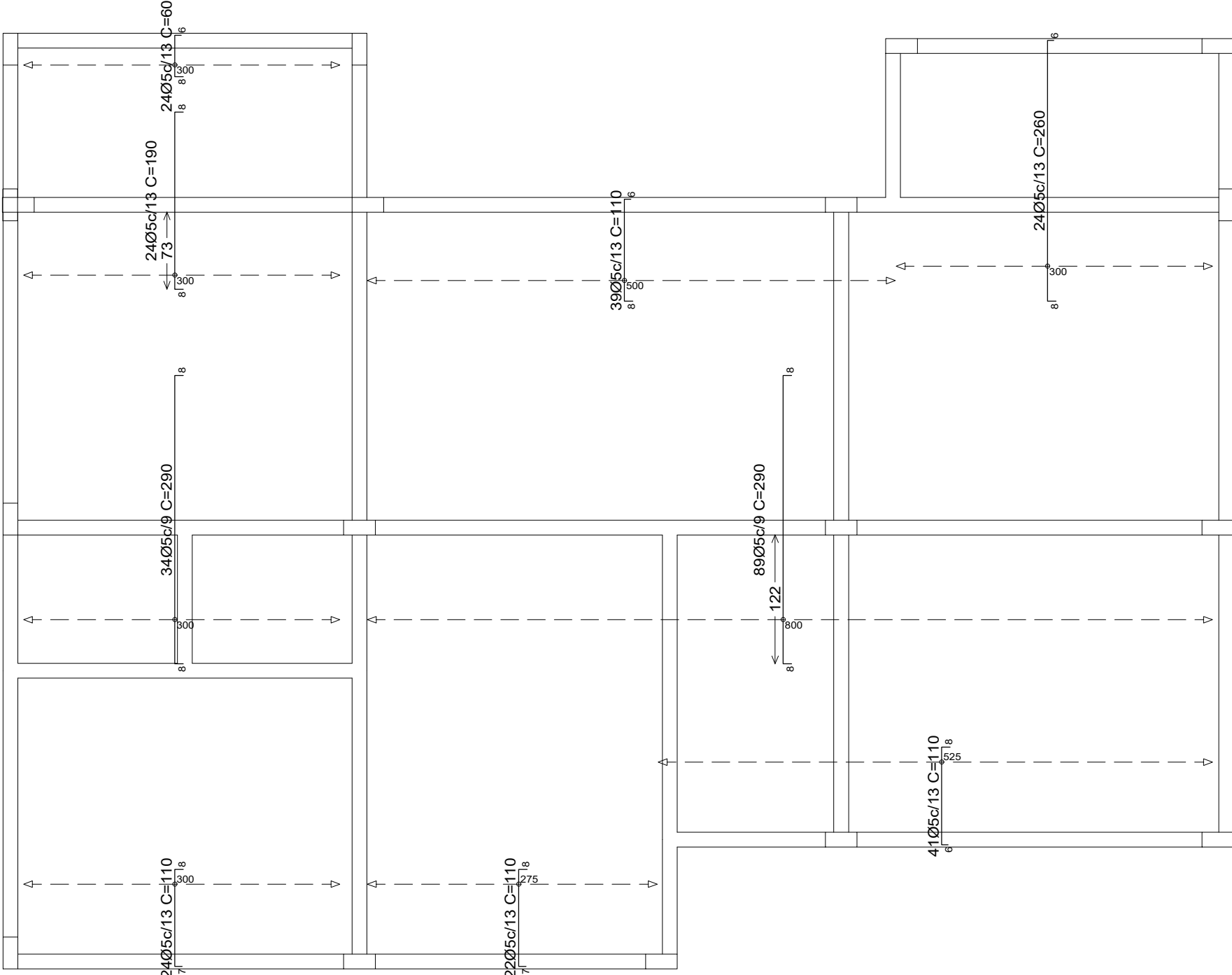
Armadura longitudinal inferior



Armadura longitudinal superior



Armadura transversal inferior



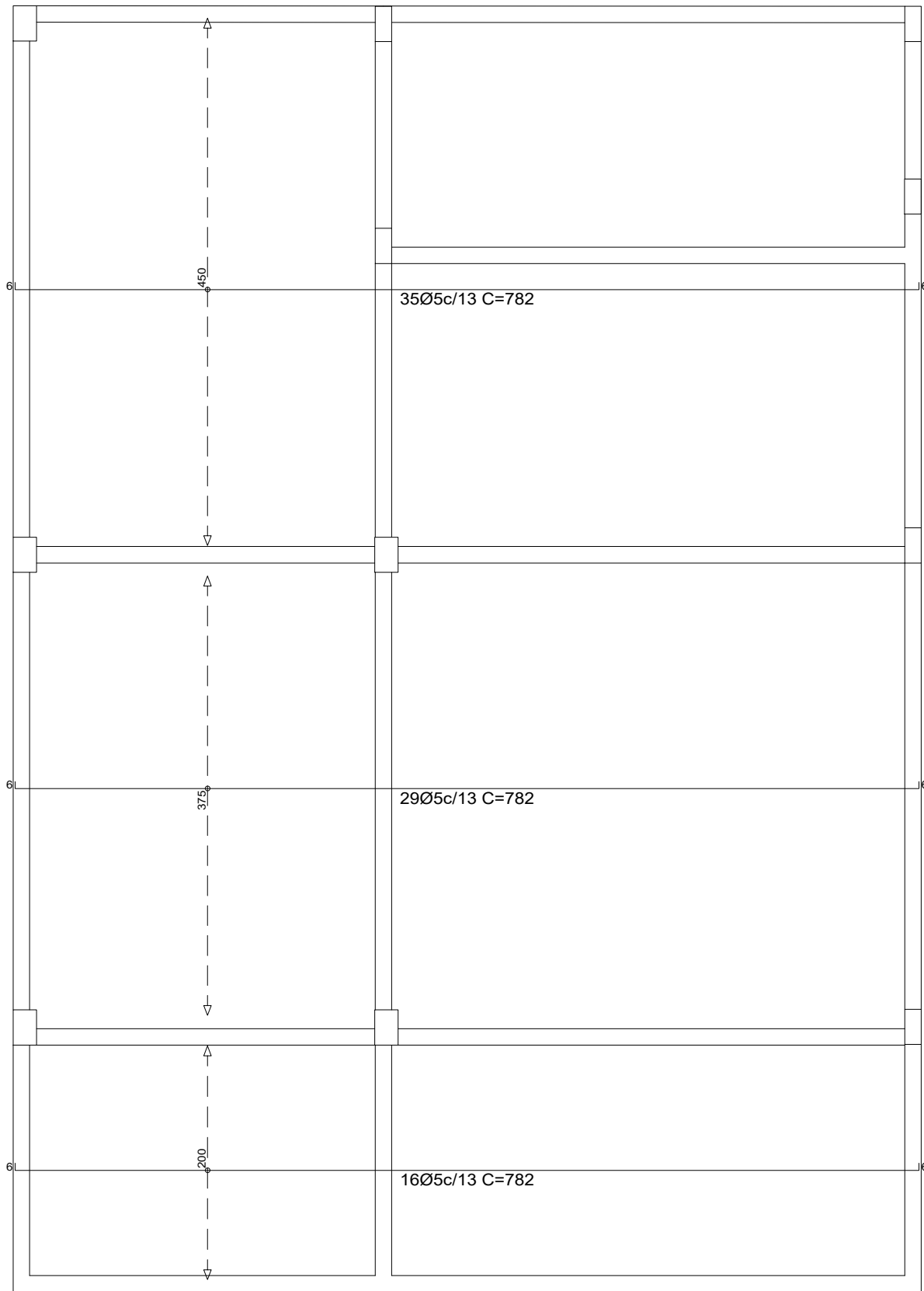
Armadura transversal superior

Resumo Aço piso 1	Comp. total (m)	Peso+10% (kg)
Armadura longitudinal inferior		
CA-60	Ø5	638.9
CA-60	Ø5	110
Resumo Aço piso 1	Comp. total (m)	Peso+10% (kg)
Armadura transversal inferior		
CA-60	Ø5	665.0
CA-60	Ø5	115
Resumo Aço piso 1	Comp. total (m)	Peso+10% (kg)
Armadura transversal superior		
CA-60	Ø5	617.7
CA-60	Ø5	107

Resumo Aço piso 1	Comp. total (m)	Peso+10% (kg)
Armadura longitudinal superior		
CA-60	Ø5	440.5
CA-60	Ø5	76

ARMADURA LAJES

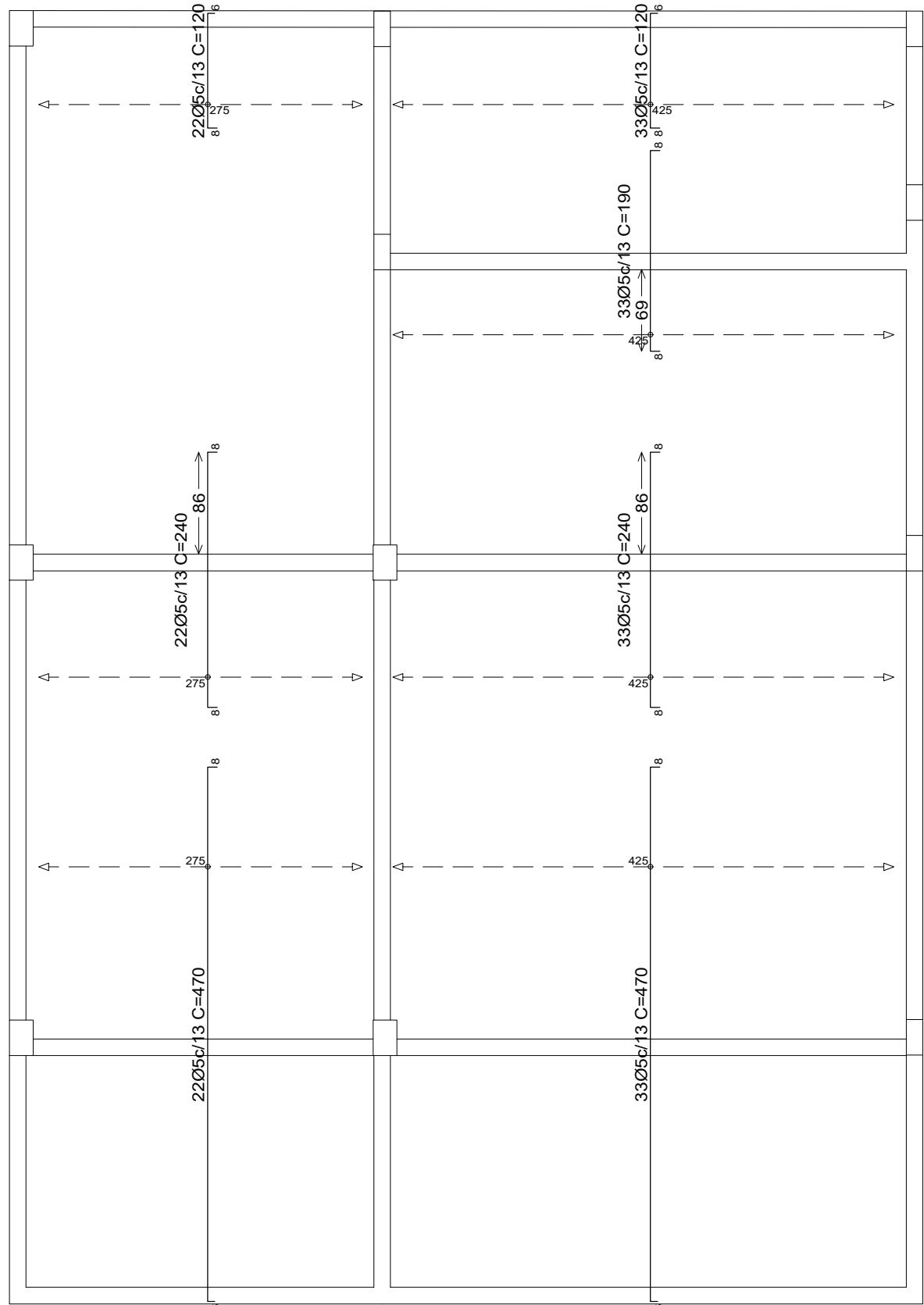
	OBRA: CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192	
	CLIENTE: PREFEITURA MUNICIPAL DE DIVINO/MG	
	ENDEREÇO: PARQUE INDUSTRIAL, DIVINO/MG	
	DATA: 01/10/2025	Nº DA PRANCHA 10 / 11
	AUTOR DO PROJETO: BRUNO MORAIS PARREIRA DA SILVA	
R.T: BRUNO MORAIS PARREIRA DA SILVA		ESCALA: INDICADA
CREA/MG: 245032/D		



Armadura longitudinal inferior



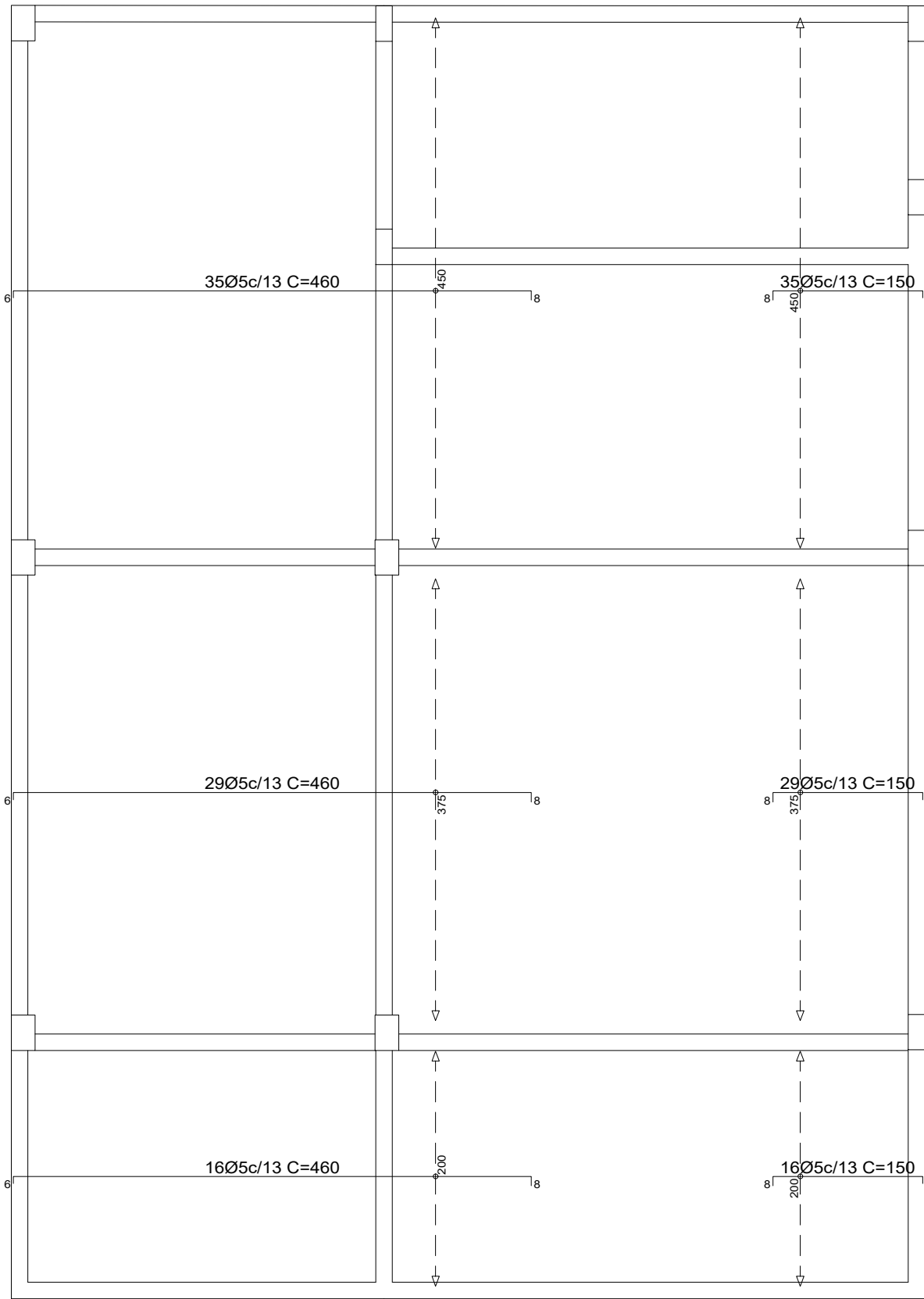
Armadura transversal inferior



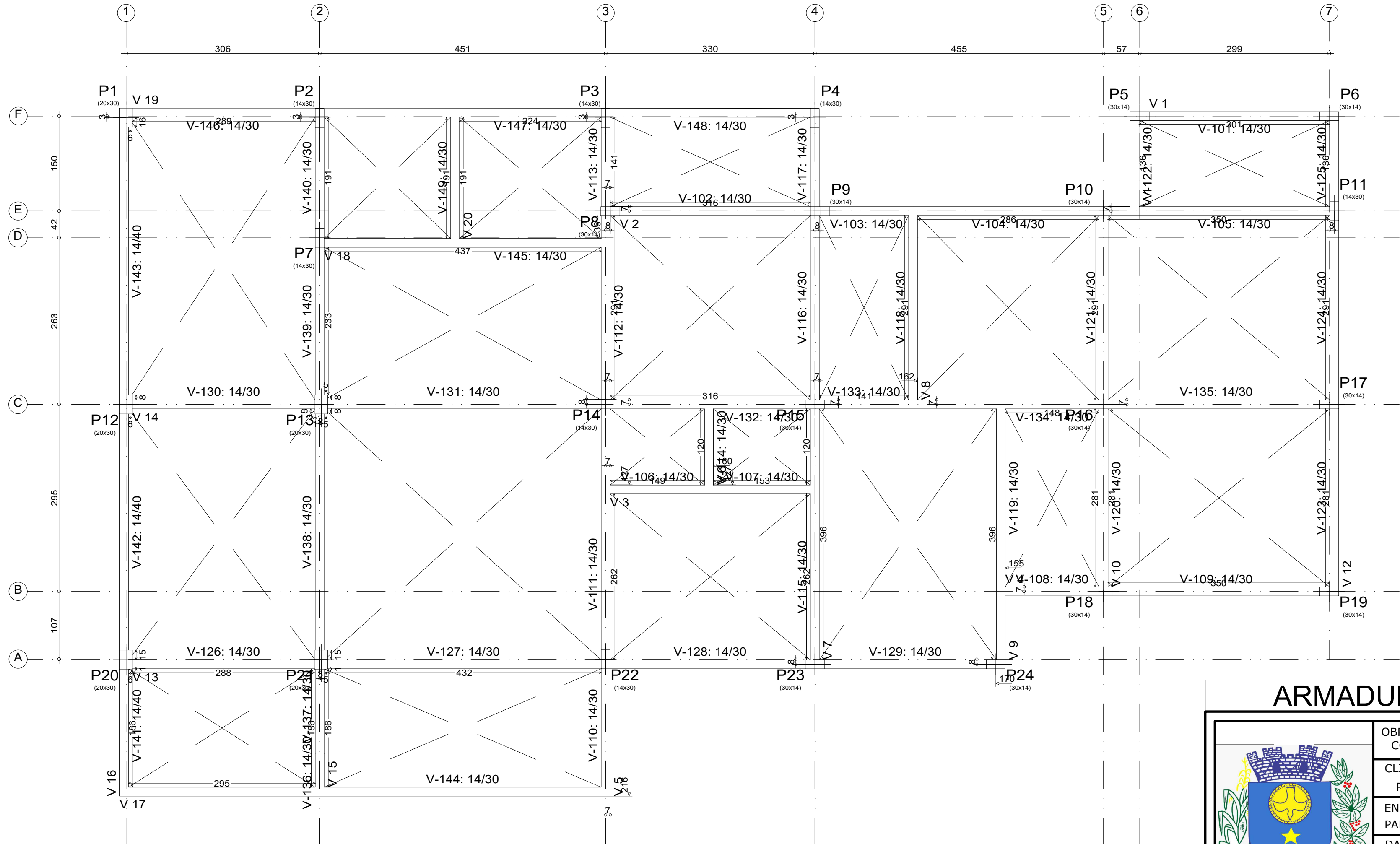
Armadura transversal superior

Resumo Aço cobertura garagem Armadura transversal inferior	Comp. total (m)	Peso+10% (kg)
CA-60 Ø5	606.7	105
Resumo Aço cobertura garagem Armadura transversal superior	Comp. total (m)	Peso+10% (kg)
CA-60 Ø5	519.2	90
Resumo Aço cobertura garagem Armadura longitudinal inferior	Comp. total (m)	Peso+10% (kg)
CA-60 Ø5	625.6	108

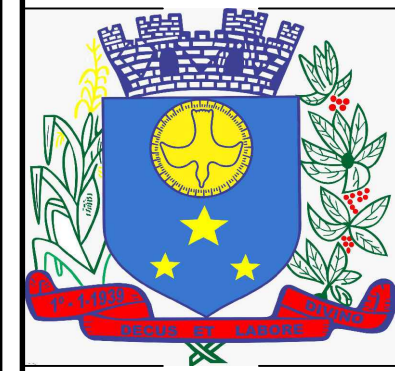
Resumo Aço cobertura garagem Armadura longitudinal superior	Comp. total (m)	Peso+10% (kg)
CA-60 Ø5	488.0	84



Armadura longitudinal superior



PLANTA DE LOCAÇÃO DAS VIGAS BALDRAMES



OBRA:

CONSTRUÇÃO DA BASE DESCENTRALIZADA SAMU 192

CLIENTE:

PREFEITURA MUNICIPAL DE DIVINÓPOLIS/MG

ENDEREÇO:

PARQUE INDUSTRIAL, DIVINÓPOLIS/MG

DATA:

01/10/2025

AUTOR DO PROJETO:

BRUNO MORAIS PARREIRA DA SILVA

R.T.:

BRUNO MORAIS PARREIRA DA SILVA

CREA/MG:

245032/D

Nº DA PRANCHA

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