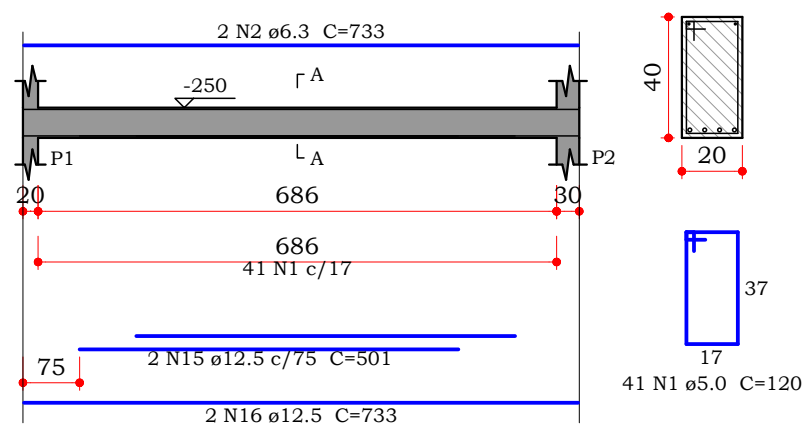
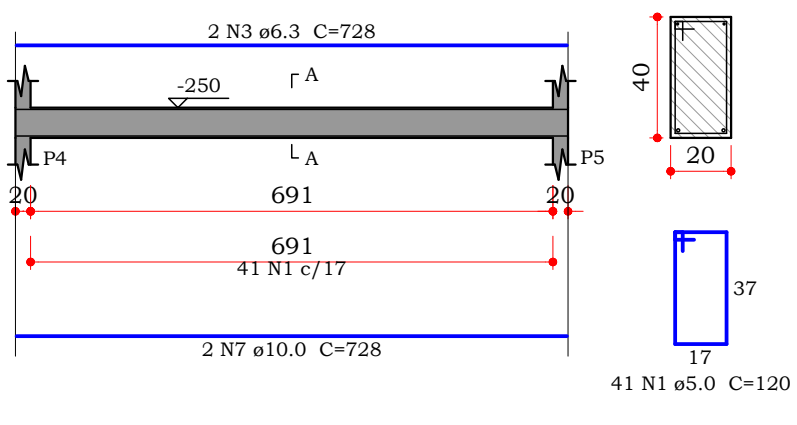


V1 = V6 (20 x 40)
Esc: 1:100



V2 = V3 = V4 = V5 (20 x 40)
Esc: 1:100

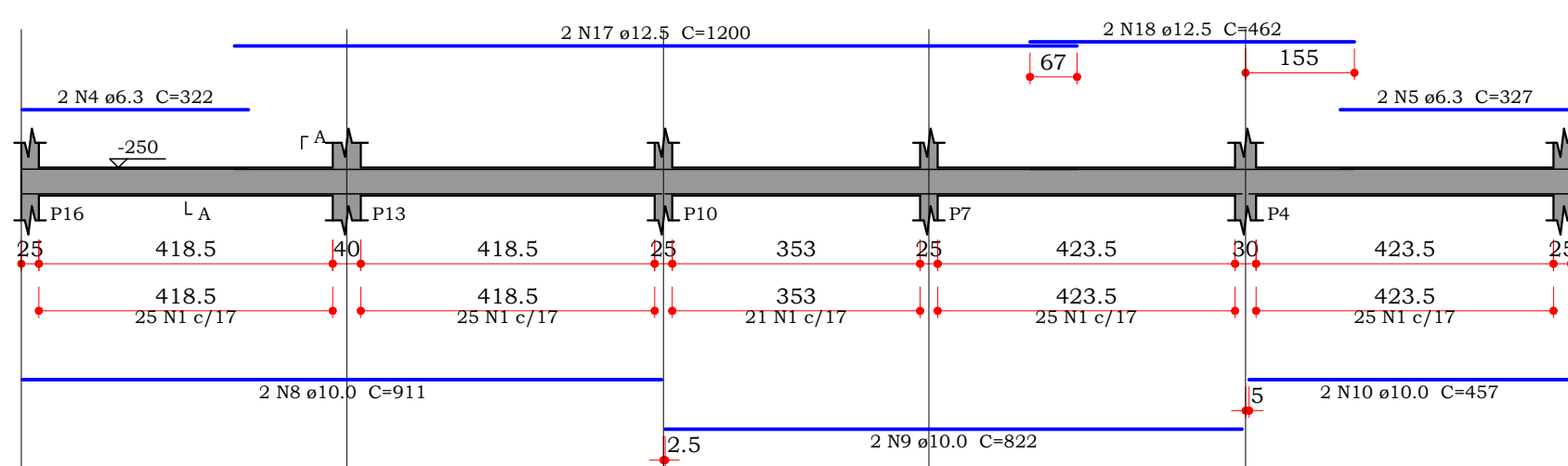


Resumo do aço

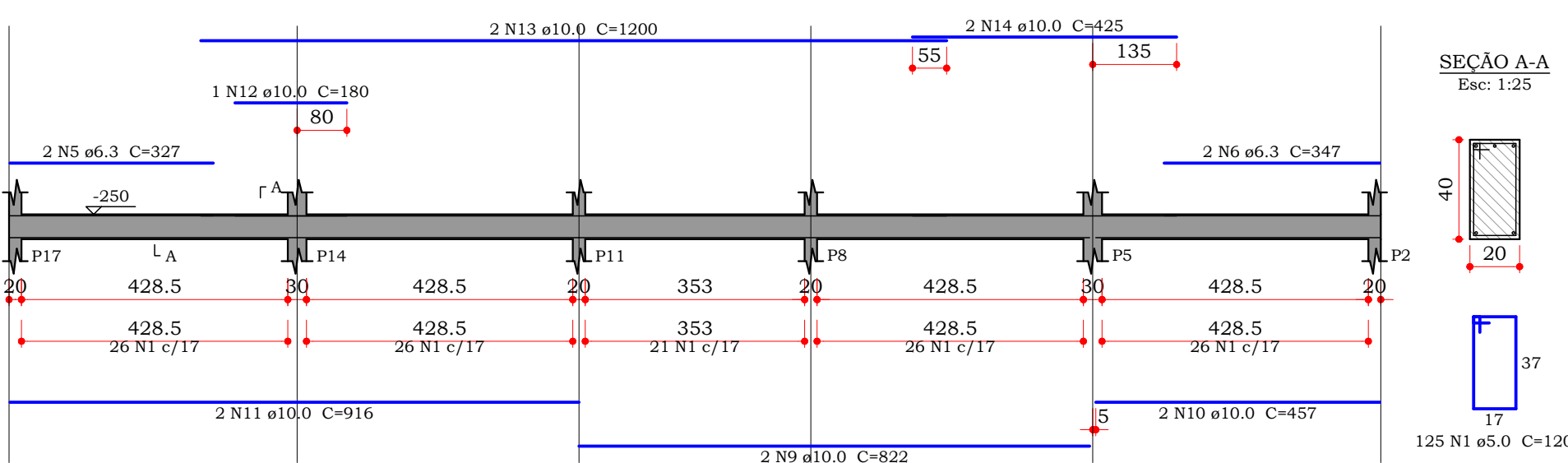
ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	6.3	114.1	11	30.7
	10.0	180.3	17	122.2
	12.5	82.6	8	87.5
CA60	5.0	590.4	55	100.1
PESO TOTAL (kg)				
CA50		240.5		
CA60		100.1		

Volume de concreto (C-30) = 6.59 m³
Área de forma = 88.1 m²

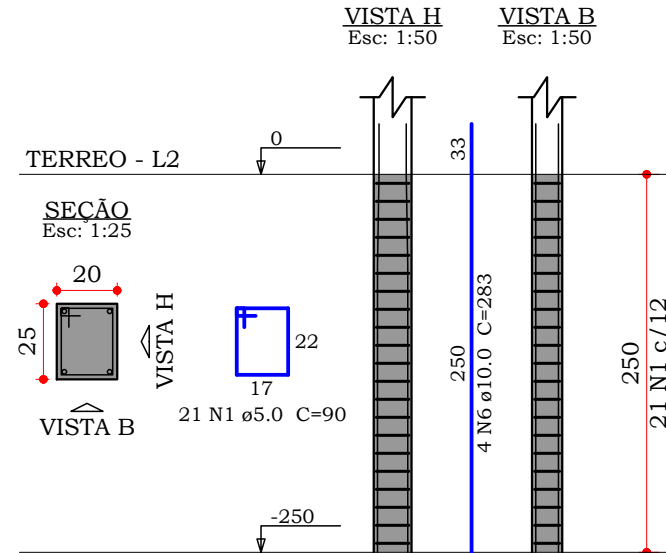
V7 (20 x 40)
Esc: 1:100



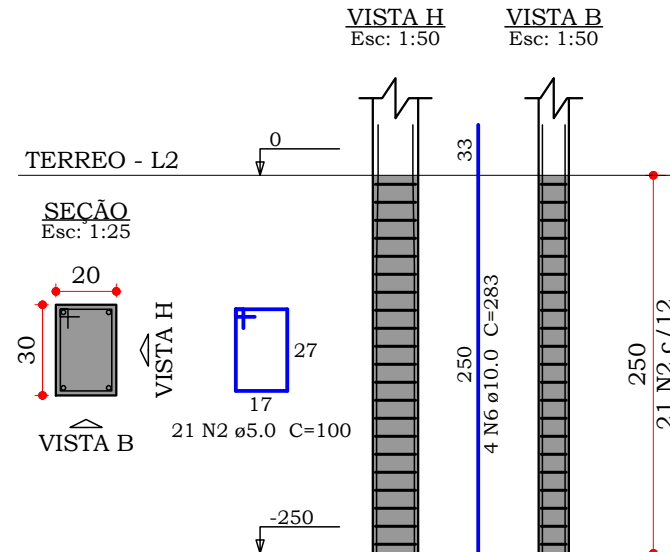
V8 (20 x 40)
Esc: 1:100



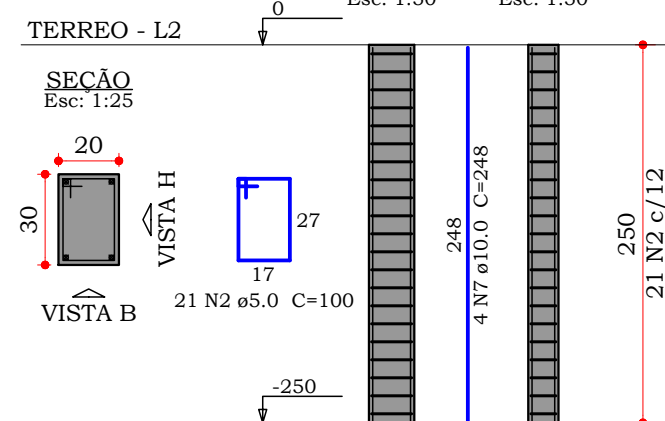
P1=P3=P7=P9=P10=P12=
=P16



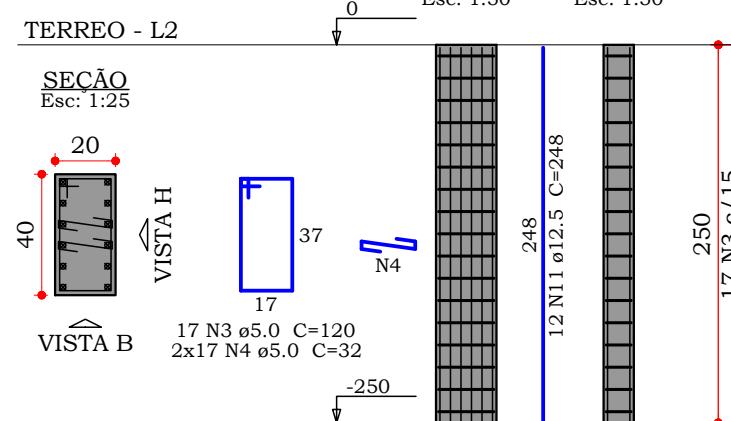
P2=P5=P8=P11=P17



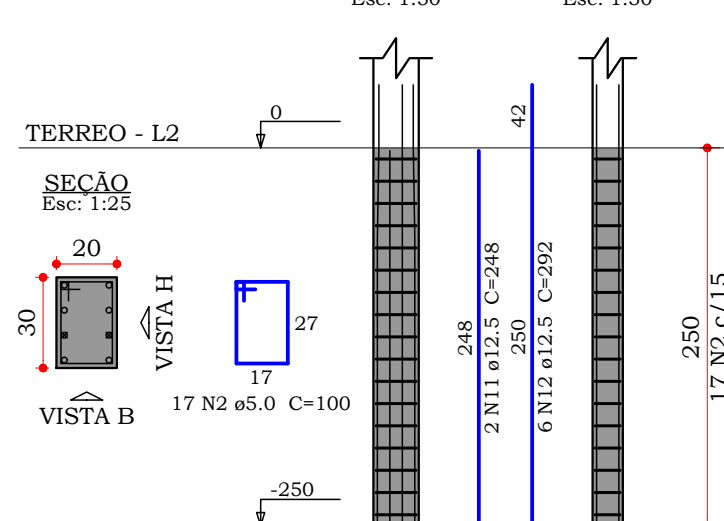
P4=P6



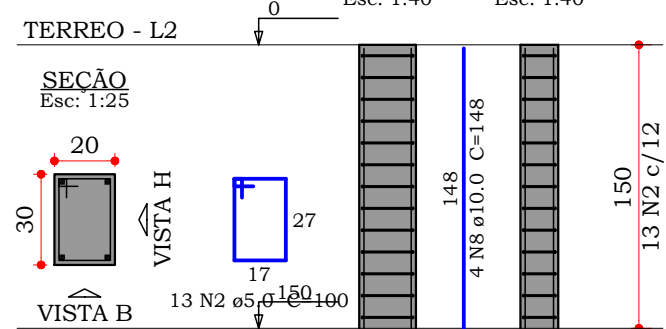
P13



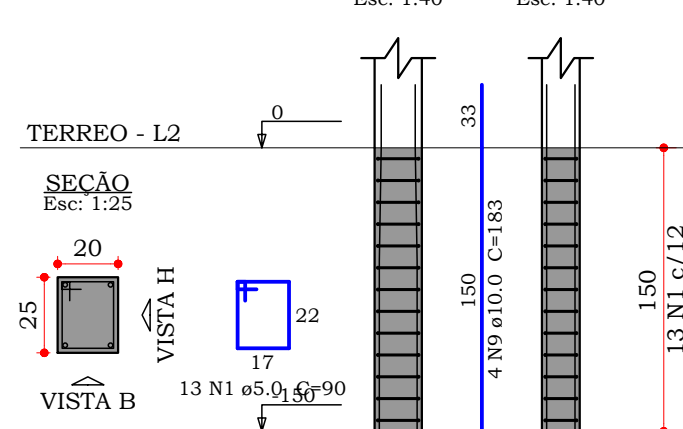
P14



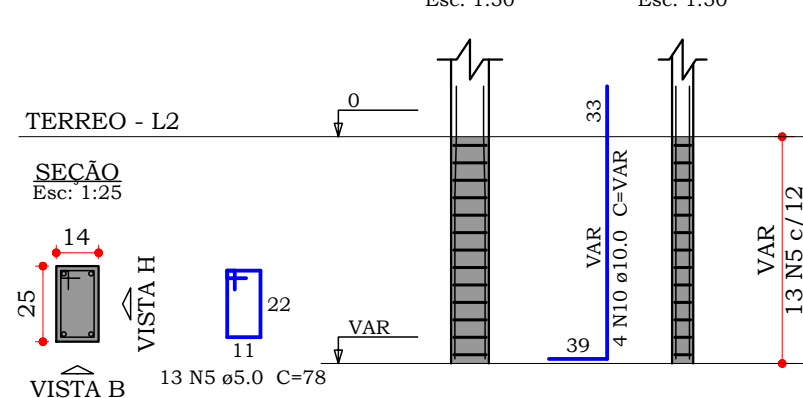
P15



P18



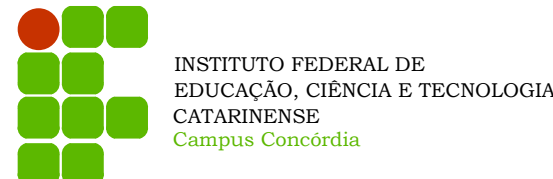
P23=P24



Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	10.0	186.3	18	126.3
	12.5	32.3	5	55.4
CA60	5.0	372.6	35	63.2
PESO TOTAL (kg)				
CA50		181.7		
CA60		63.2		

Volume de concreto (C-30) = 2.52 m³
Área de forma = 43.94 m²



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Eng. Gerson Renato Magarinos
CREA/SC 025.924-0

CONTRATANTE:
INSTITUTO FEDERAL DE
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CATARINENSE
UNIDADE:
CAMPUS CONCÓRDIA
ENDEREÇO:
Rodovia 283, Km 17 - Fragosos
Concórdia/ SC

NOME DO PROJETO:
PROJETO - SALAS DE AULA

TÍTULO DO DESENHO:
VIGAS E PILARES SUB SOLO

OBJETIVO DO PROJETO:
CONSTRUÇÃO

AUTORIA DO DESENHO:
GERSON

CIDADE - UF:
CONCÓRDIA - SC

DATA:
09/2022

TIPO DE PROJETO:
ESTRUTURAL

ÁREA DO PROJETO:
332,6450 m²

REVISÃO Nº:
00

ESCALA:
INDICADA

FOLHA:

REFERÊNCIA:
EC 04/09

04