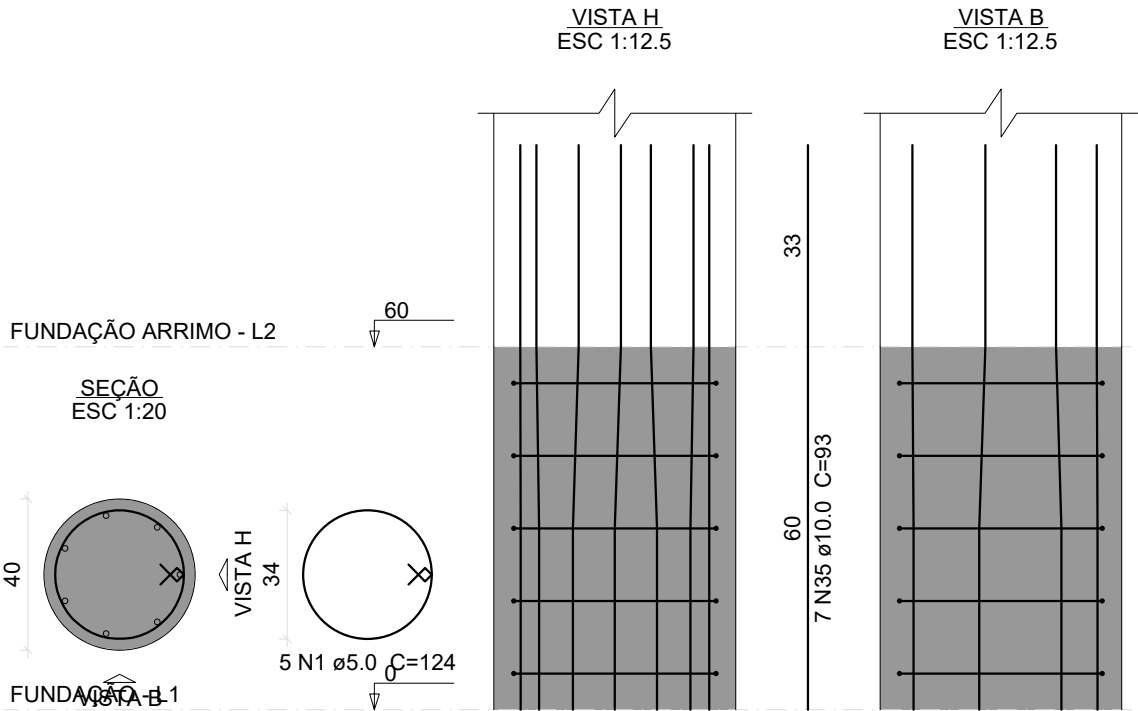
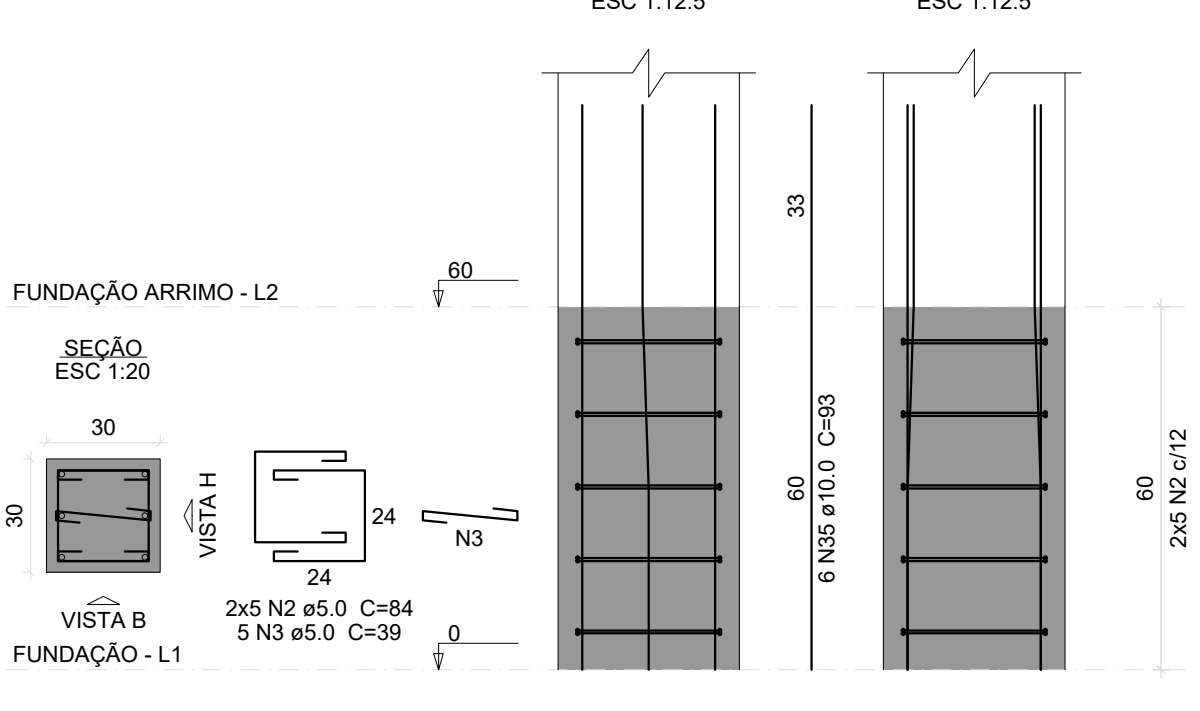


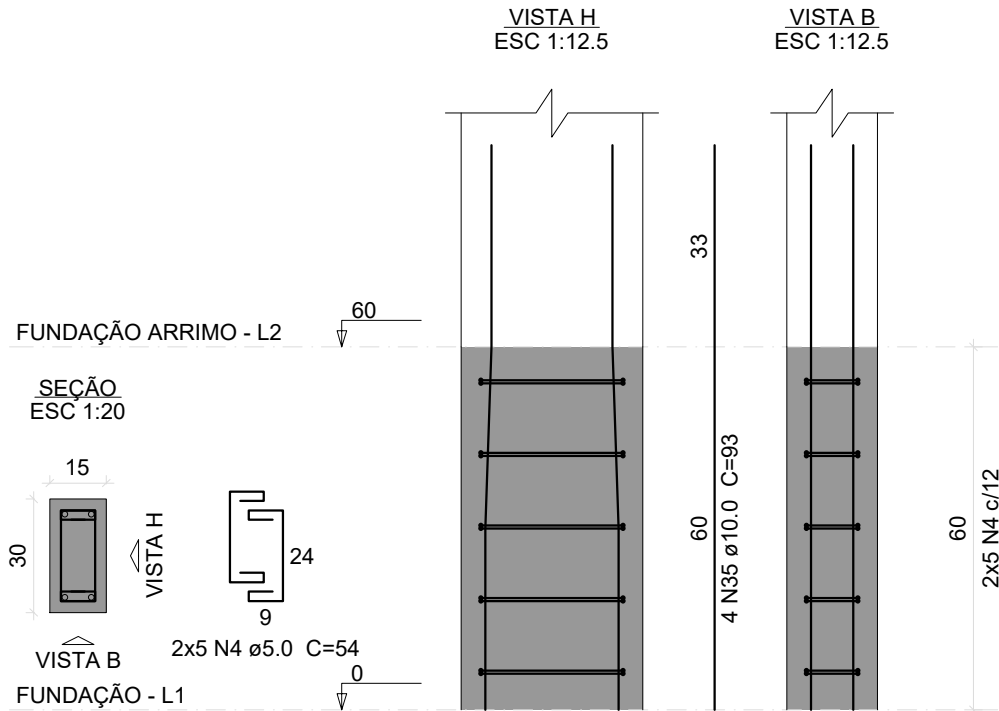
P1=P2=P3=P4=P5=P6=P7=P9=P15=P18=P19



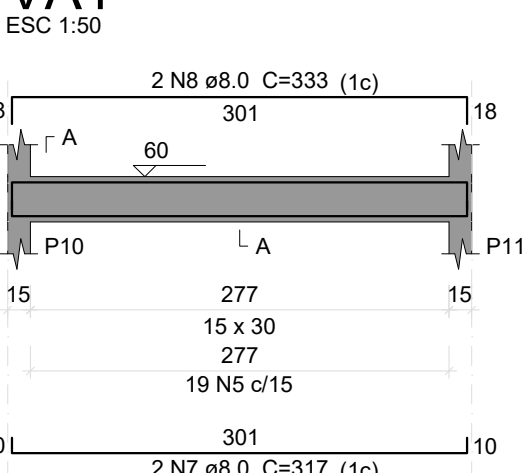
P8



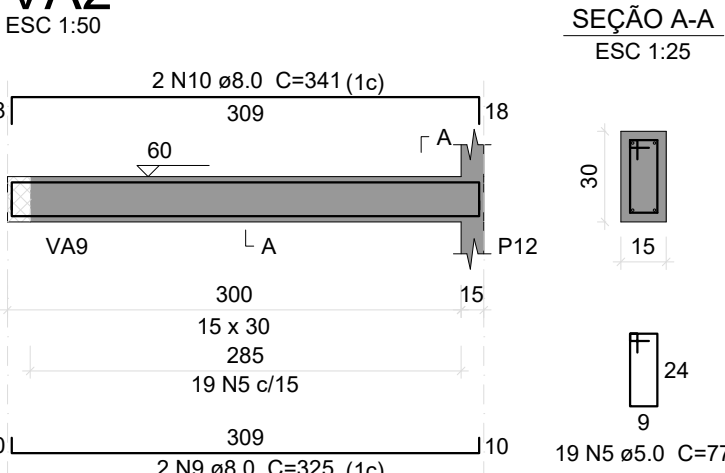
P10=P11=P12=P13=P14=P16=P17=P20=
=P21=P22



VA1



VA2

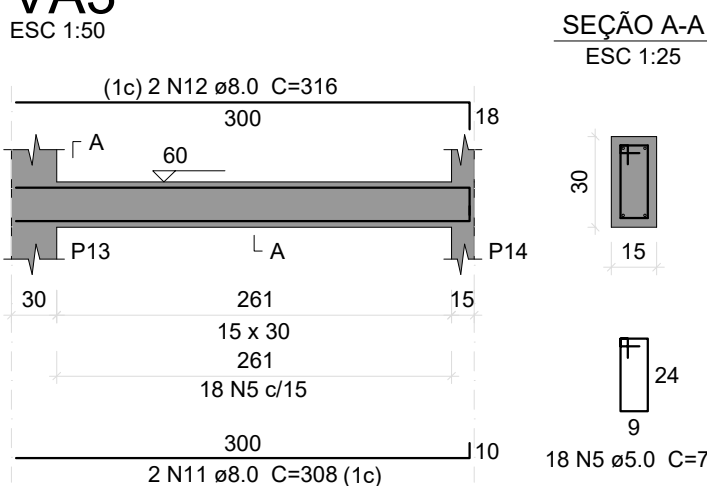


Relação do aço

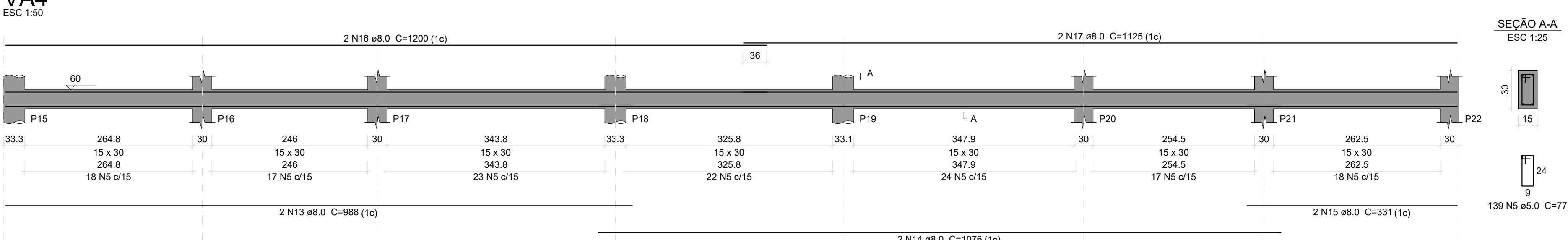
11xP1	P8	10xP10
VA1	VA2	VA3
VA4	VA5	VA6
VA7	VA8	VA9
VA10	VA11	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	55	124	6820
	2	5.0	10	84	840
	3	5.0	5	39	195
	4	5.0	100	54	5400
	5	5.0	322	77	24794
CA50	6	5.0	176	107	18832
	7	8.0	2	317	634
	8	8.0	2	333	666
	9	8.0	2	325	650
	10	8.0	2	341	682
	11	8.0	2	308	616
	12	8.0	2	316	632
	13	8.0	2	988	1976
	14	8.0	2	1076	2152
	15	8.0	2	331	662
	16	8.0	5	1200	6000
	17	8.0	2	1125	2250
	18	8.0	1	362	362
	19	8.0	1	232	232
	20	8.0	1	229	229
21	8.0	2	998	1996	
22	8.0	1	228	228	
23	8.0	1	335	335	
24	8.0	2	653	1306	
25	8.0	3	446	1338	
26	8.0	2	225	450	
27	8.0	2	241	482	
28	8.0	2	217	434	
29	8.0	2	225	450	
30	8.0	4	337	1348	
31	8.0	4	345	1380	
32	8.0	2	992	1984	
33	8.0	2	1000	2000	
34	8.0	6	644	3864	
35	10.0	123	93	11439	

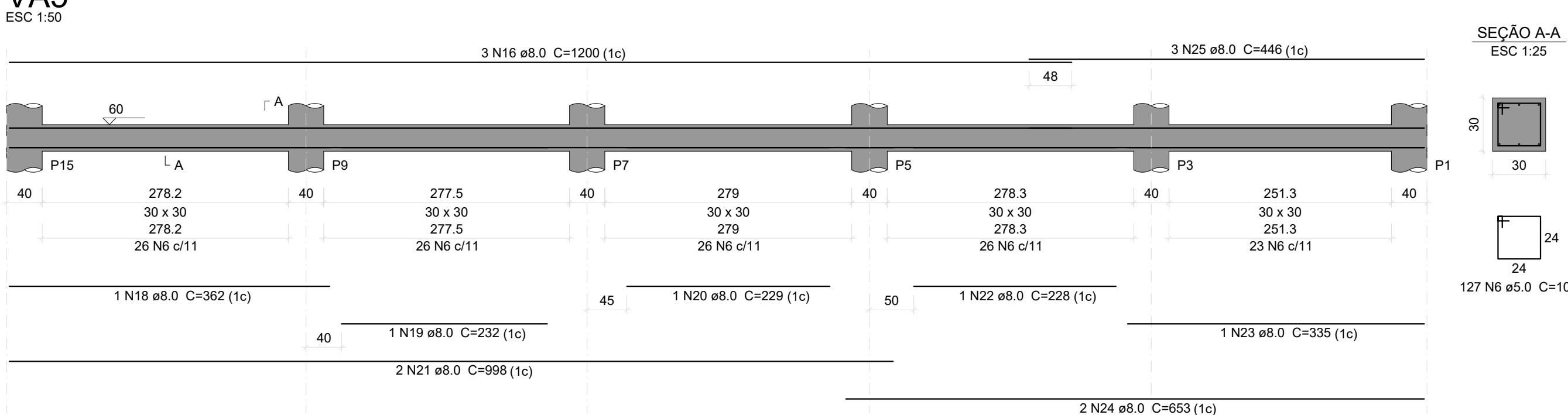
VA3



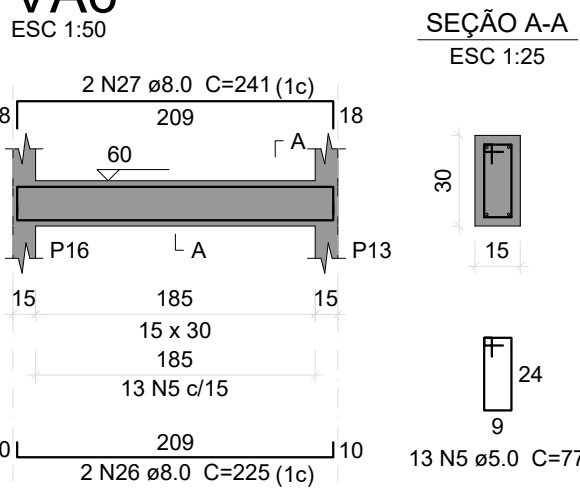
VA4



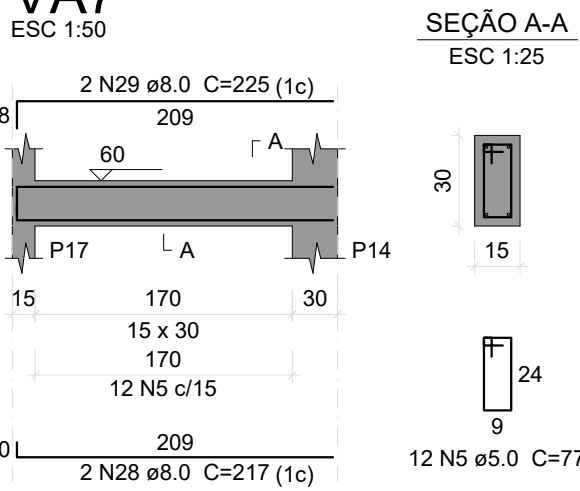
VA5



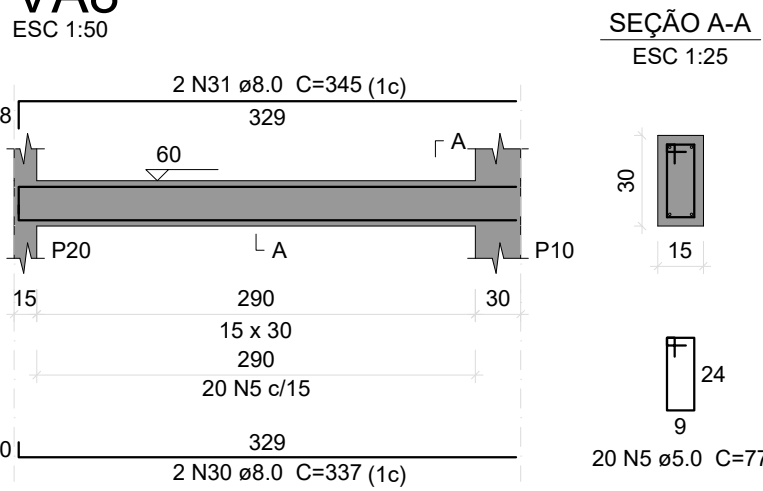
VA6



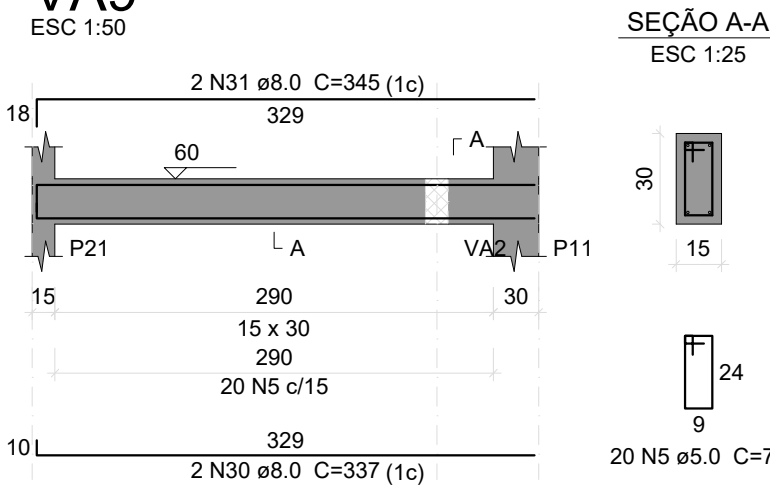
VA7



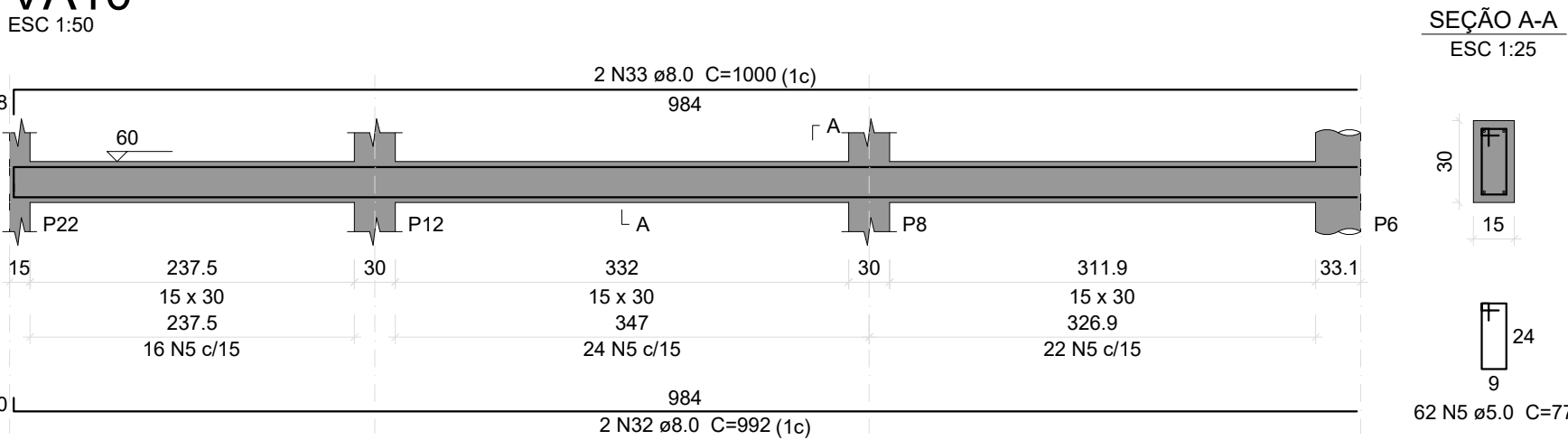
VA8



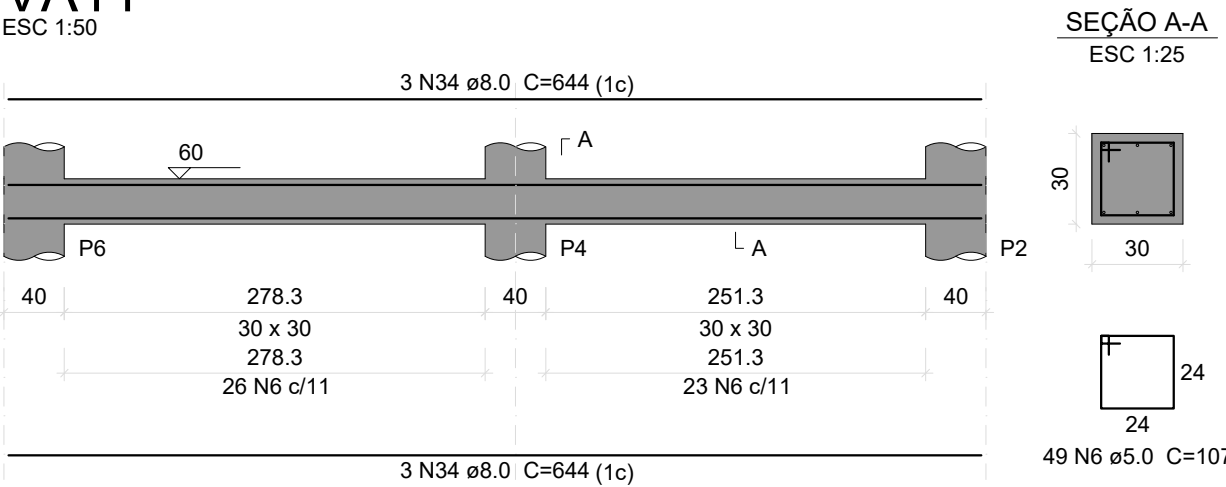
VA9



VA10



VA11



Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	353.4	153.4
CA60	10.0	114.4	77.6
CA60	5.0	568.9	96.4
PESO TOTAL (kg)			
CA50		231	
CA60		96.4	

Volume de concreto (C=30) = 5.19 m³
Área de forma = 69.09 m²

PROJETO ESTRUTURAL

REFORMA E AMPLIAÇÃO DA ESCOLA MUNICIPAL MARIA ALICE DE SOUZA - COMUNIDADE DE RIO DAS PEDRAS

Descrição do Projeto: Armaduras Pilares e Vigas do Arrimo e Resumo de Aço.

Responsável Técnico:

Lwan Matheus Costa Souza
Engenheiro(a) Civil - Crea: 255.342-D/MG

Endereço: Comunidade de Rio das Pedras, no Município de Glaucilândia-MG.

Contratante:

Herivelto Alves Luiz
Prefeito Municipal de Glaucilândia-MG

Área (m²): 153,63 m²

Tipo da Edificação: Edificação

Prancha:

Data: 05 de maio de 2026

Art.: MG20264916476

07/07

Referência / Número da pasta: VLK - IPSP - GLA - 31

Escala: Indicada

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Centro, Glaucilândia-MG

