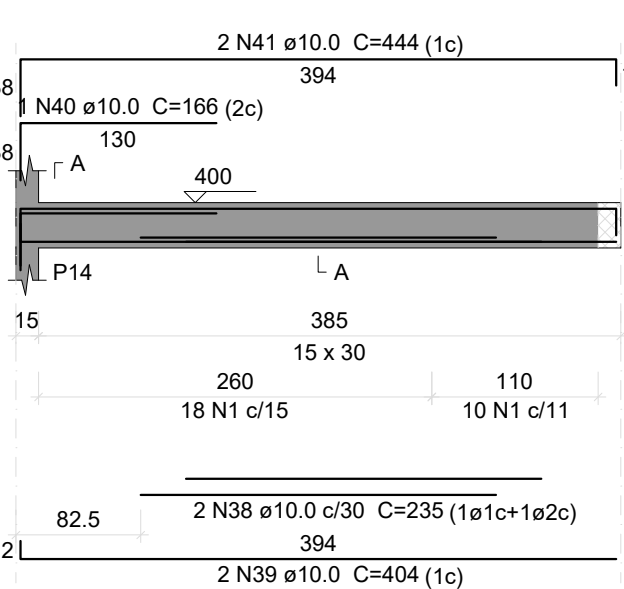
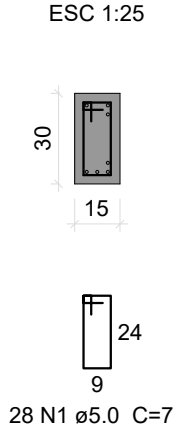


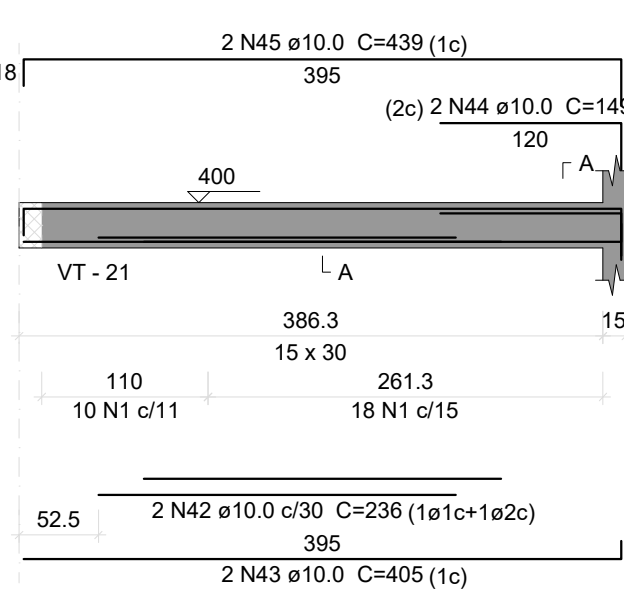
VT - 1



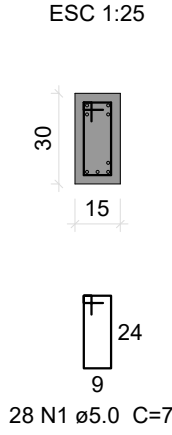
SEÇÃO A-A



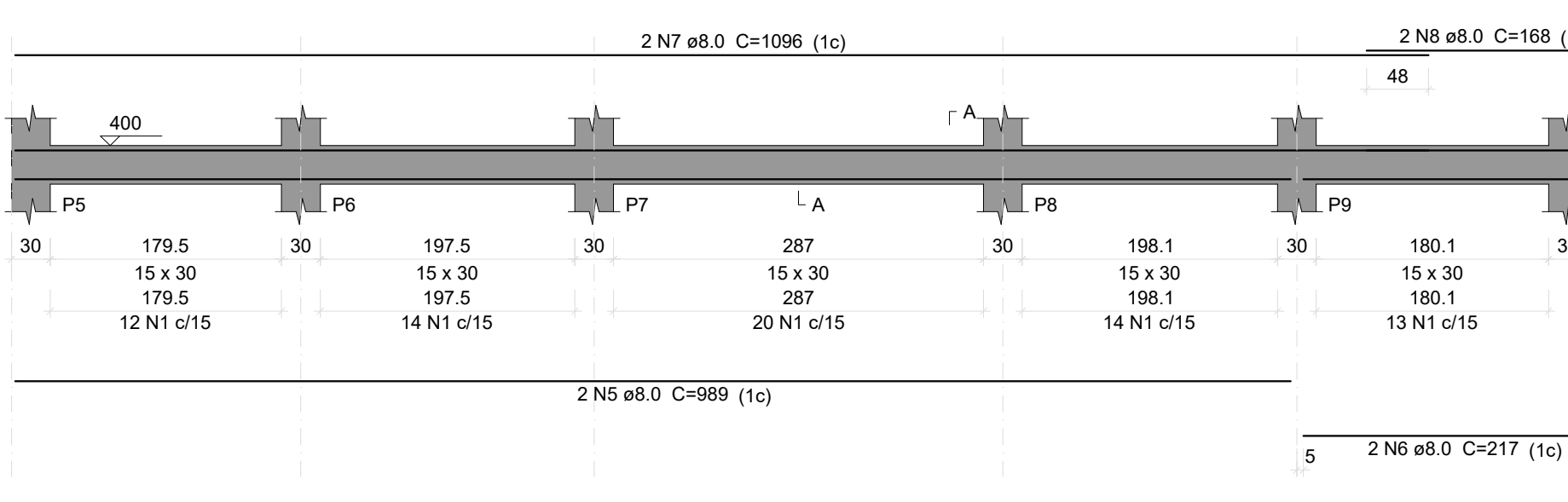
VT - 2



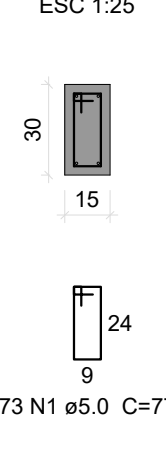
SEÇÃO A-A



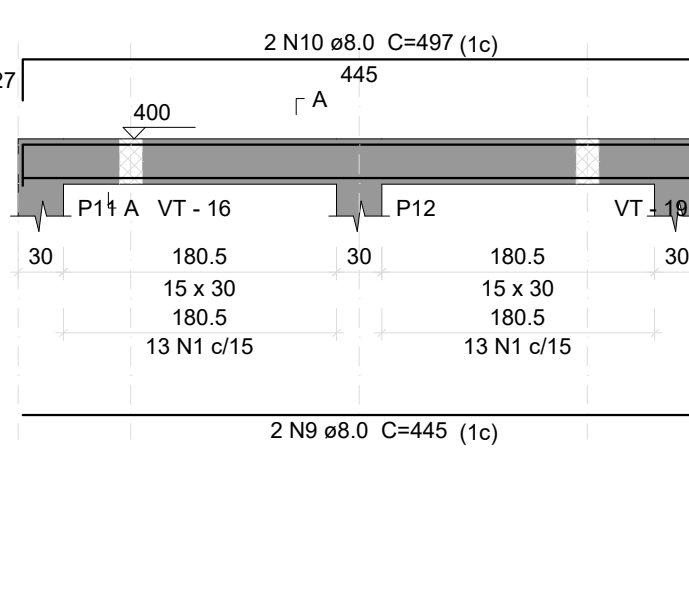
VT - 1



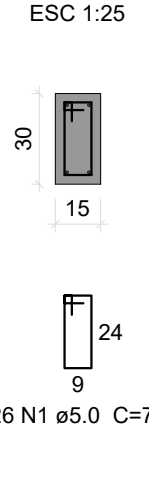
SEÇÃO A-A



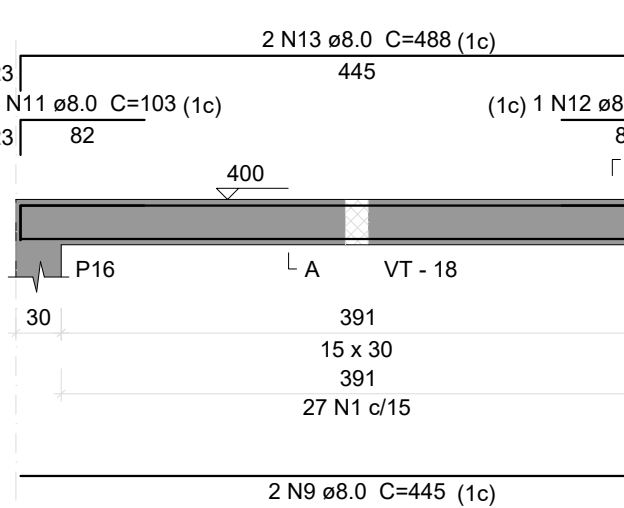
VT - 2



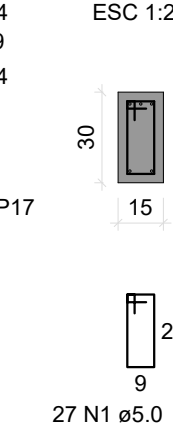
SEÇÃO A-A



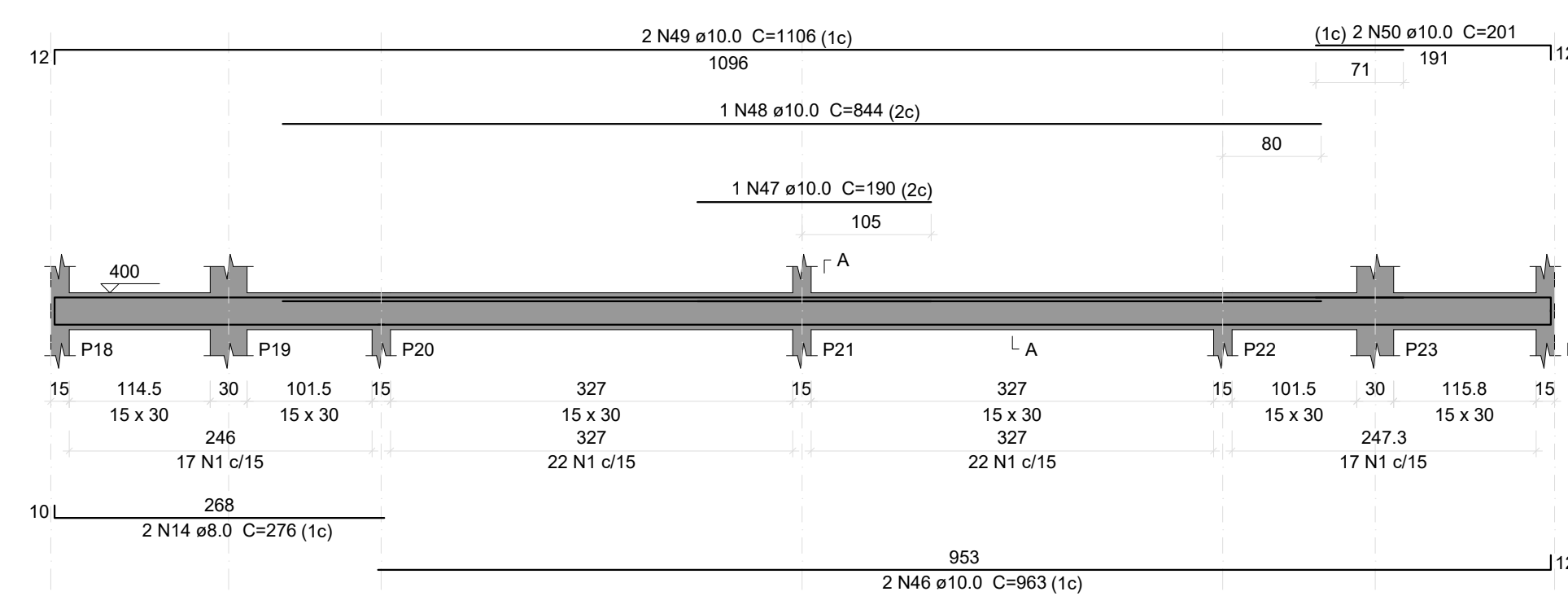
VT - 3



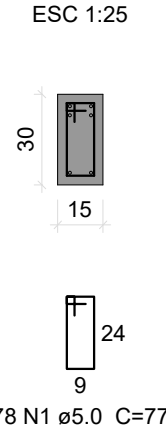
SEÇÃO A-A



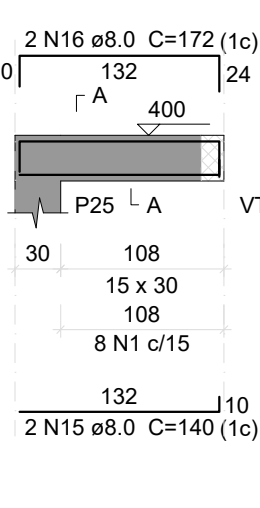
VT - 4



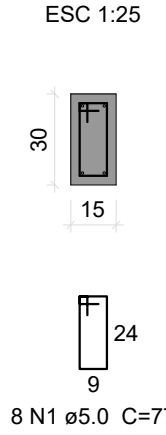
SEÇÃO A-A



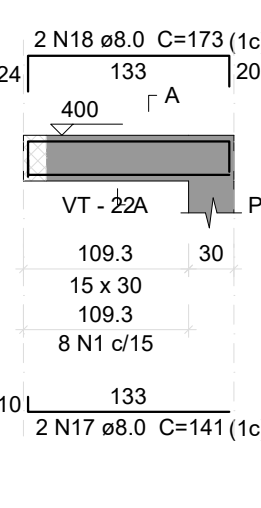
VT - 5



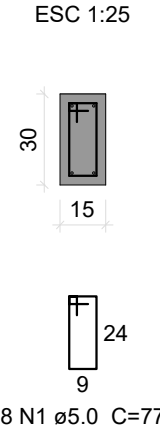
SEÇÃO A-A



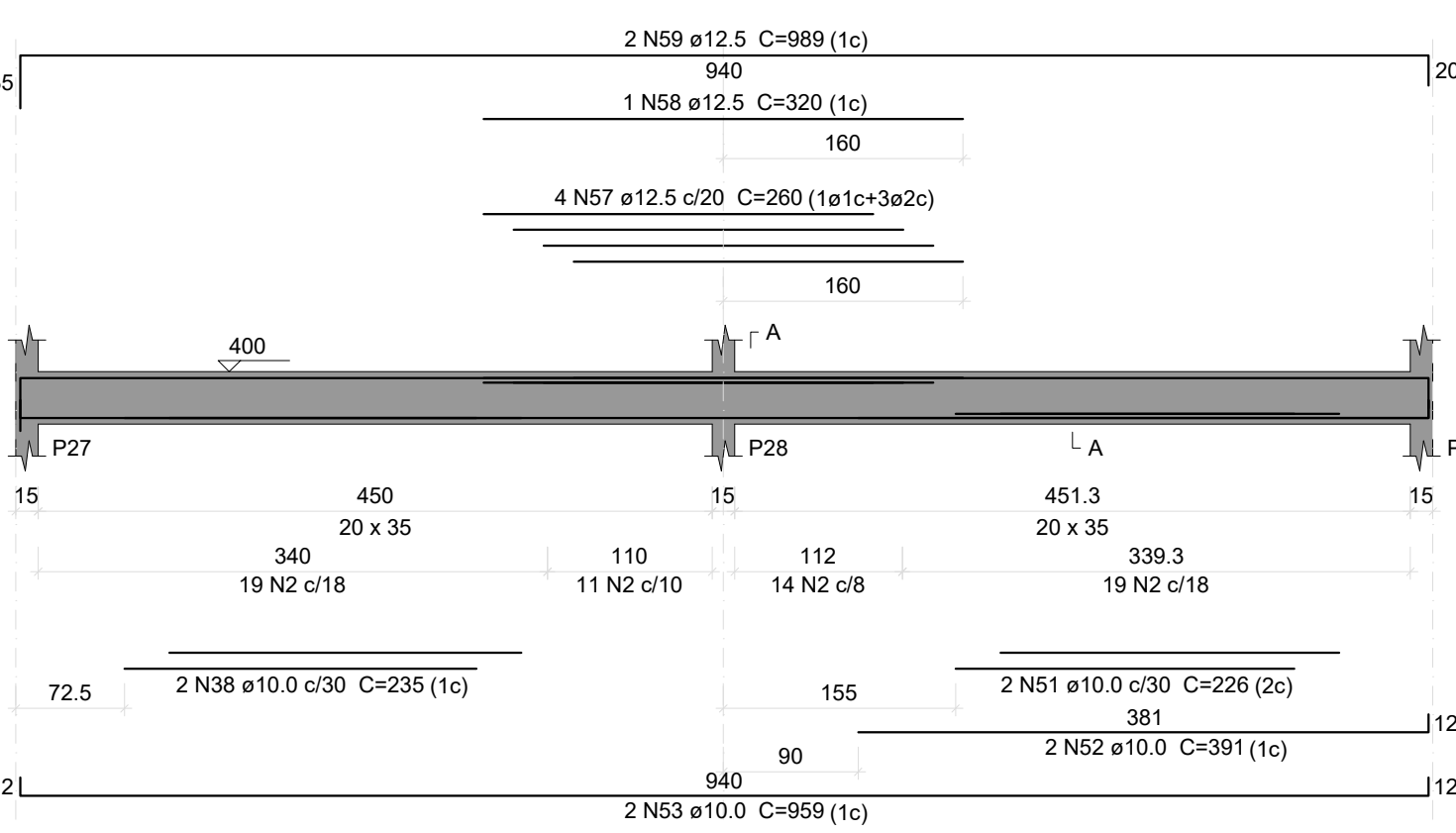
VT - 6



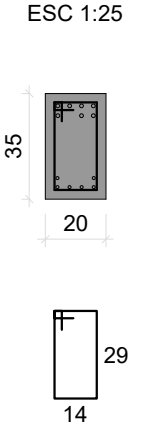
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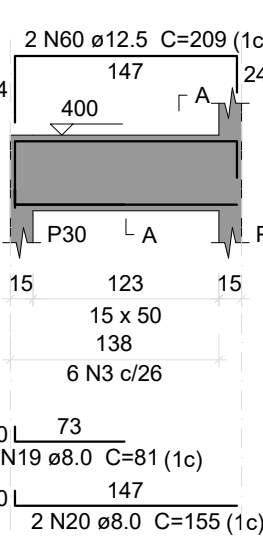
VT - 7



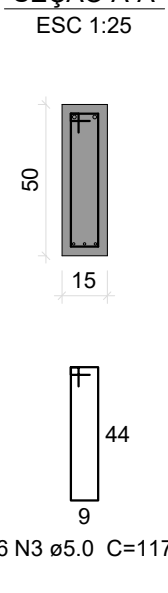
SEÇÃO A-A



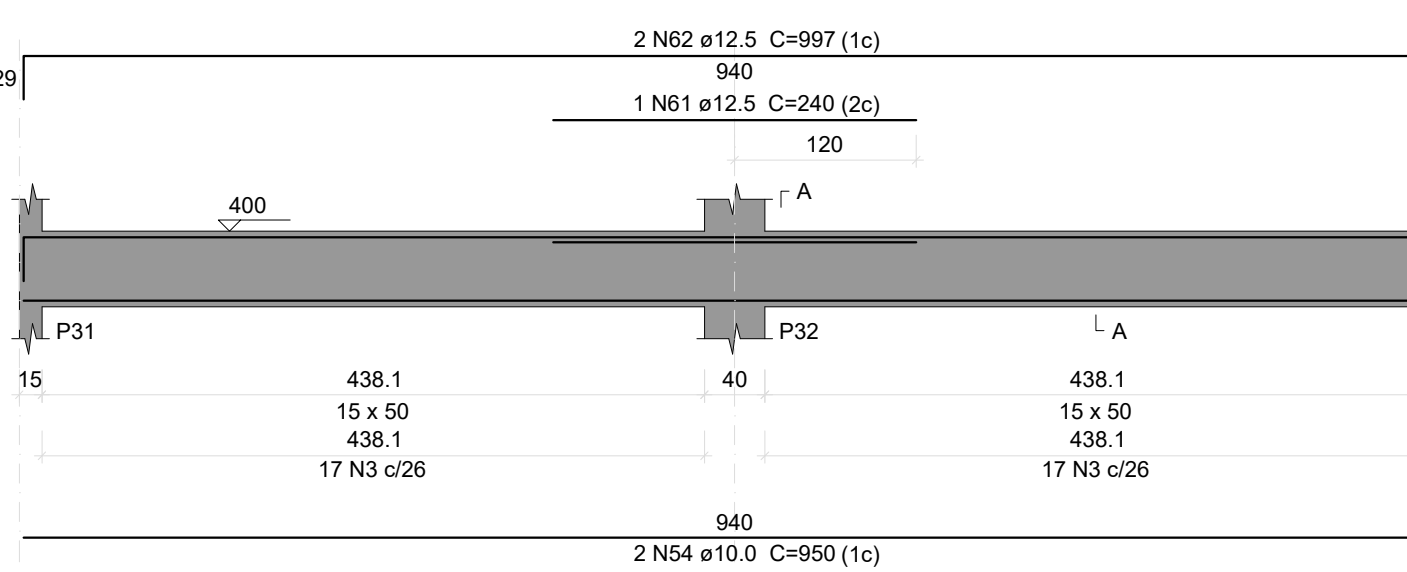
VT - 8



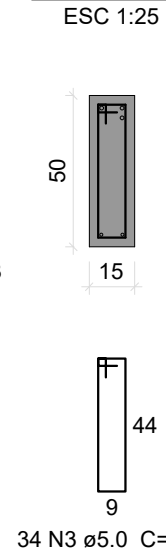
SEÇÃO A-A



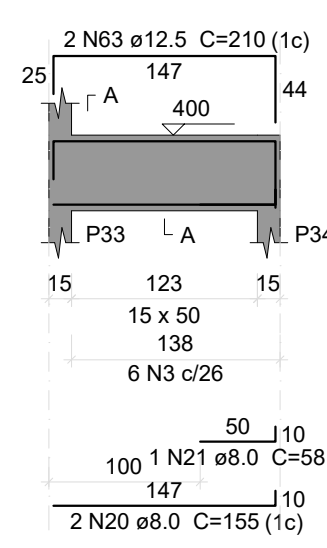
VT - 9



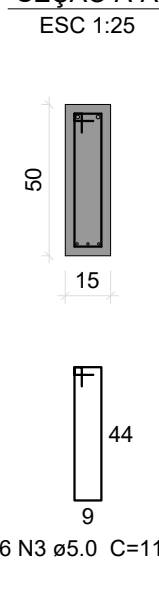
SEÇÃO A-A



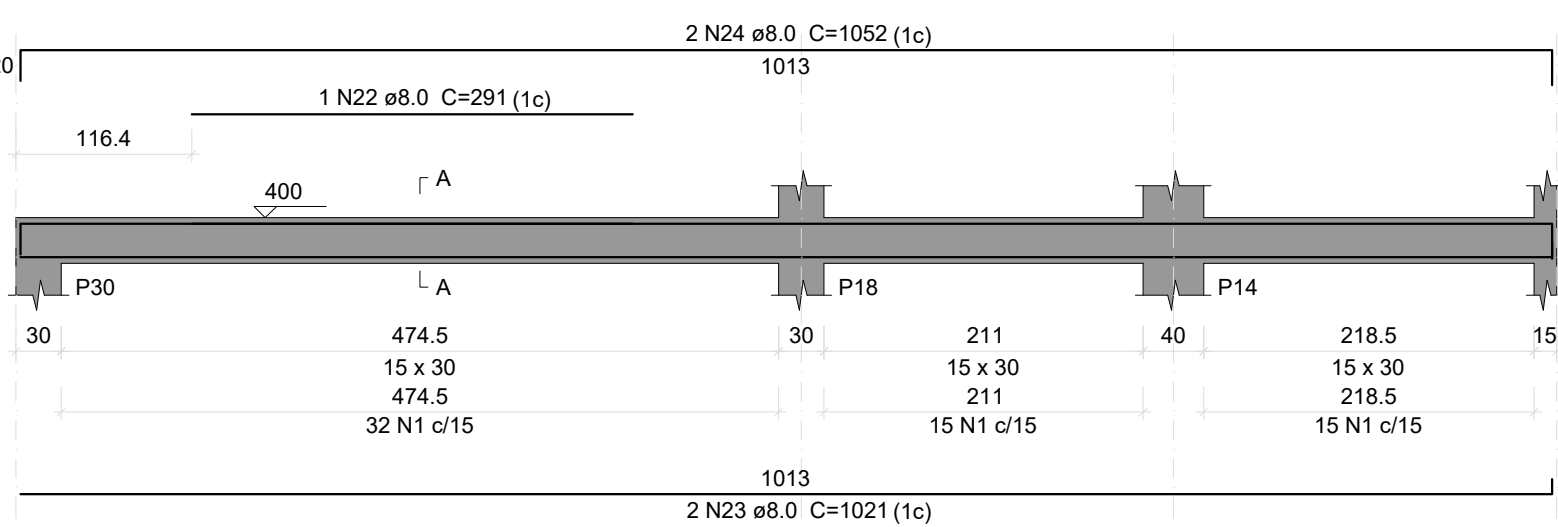
VT - 10



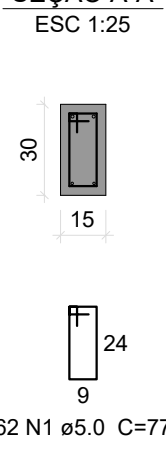
SEÇÃO A-A



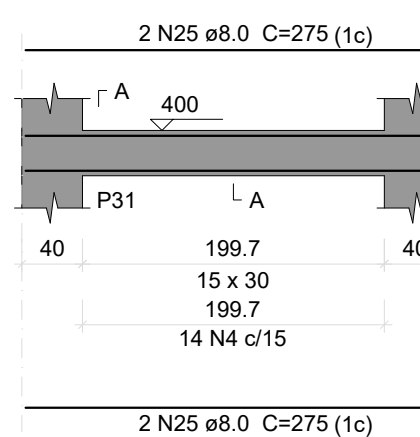
VT - 11



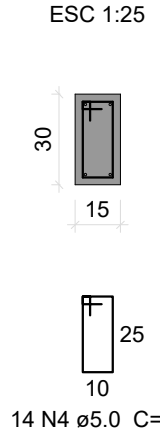
SEÇÃO A-A



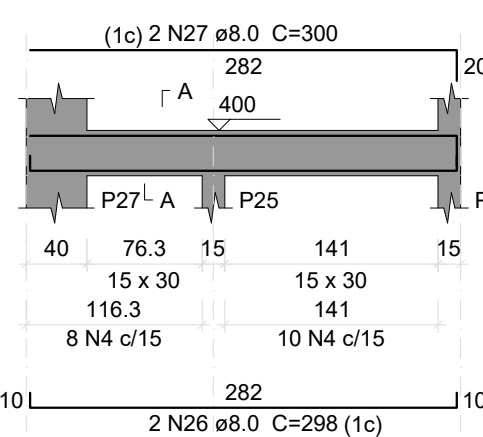
VT - 12



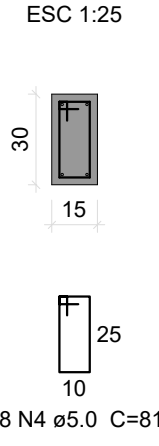
SEÇÃO A-A



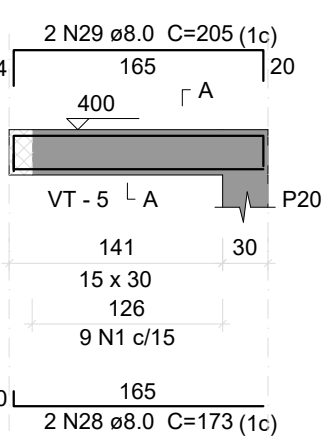
VT - 13



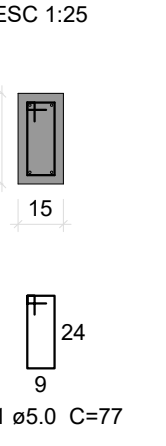
SEÇÃO A-A



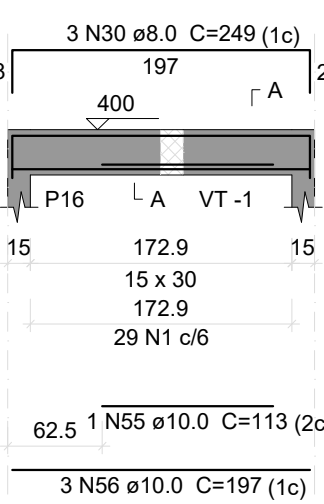
VT - 14



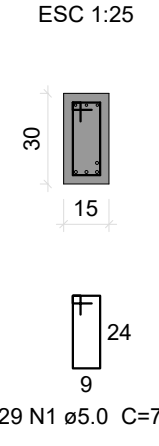
SEÇÃO A-A



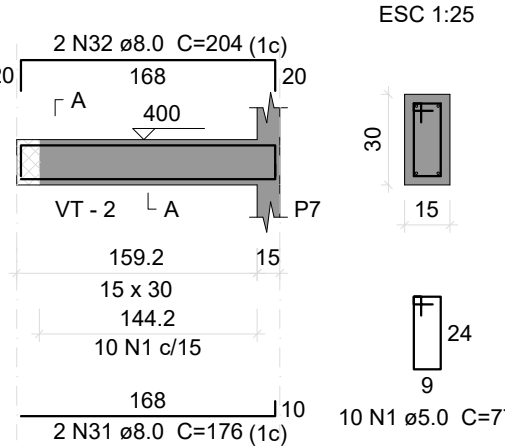
VT - 15



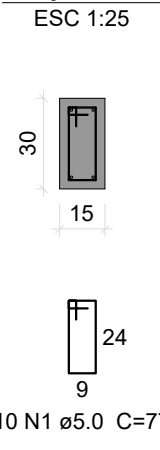
SEÇÃO A-A



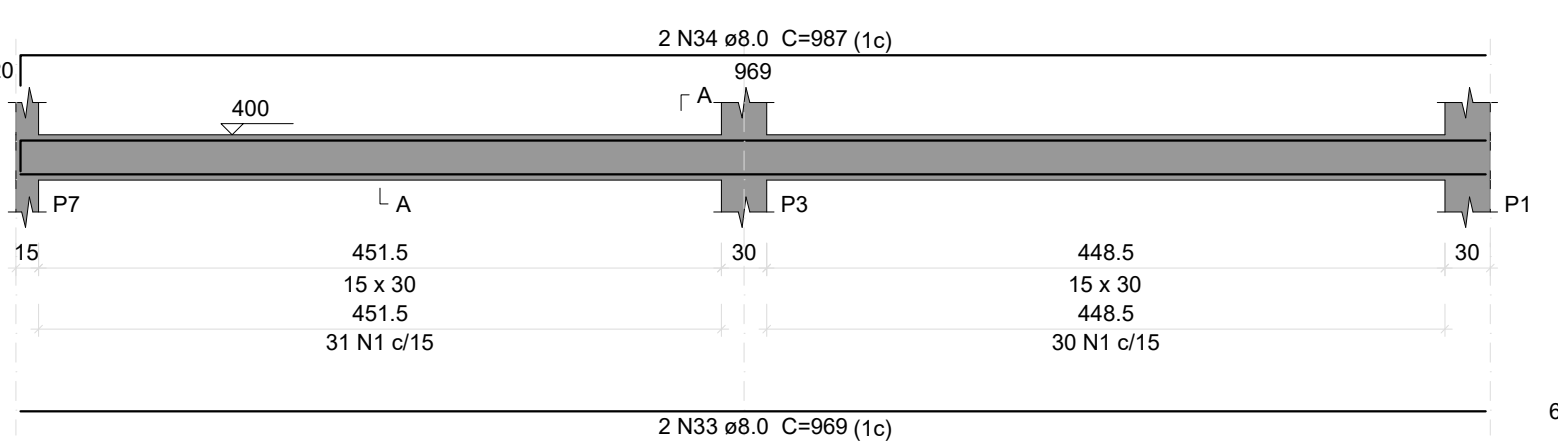
VT - 16



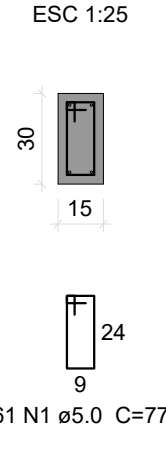
SEÇÃO A-A



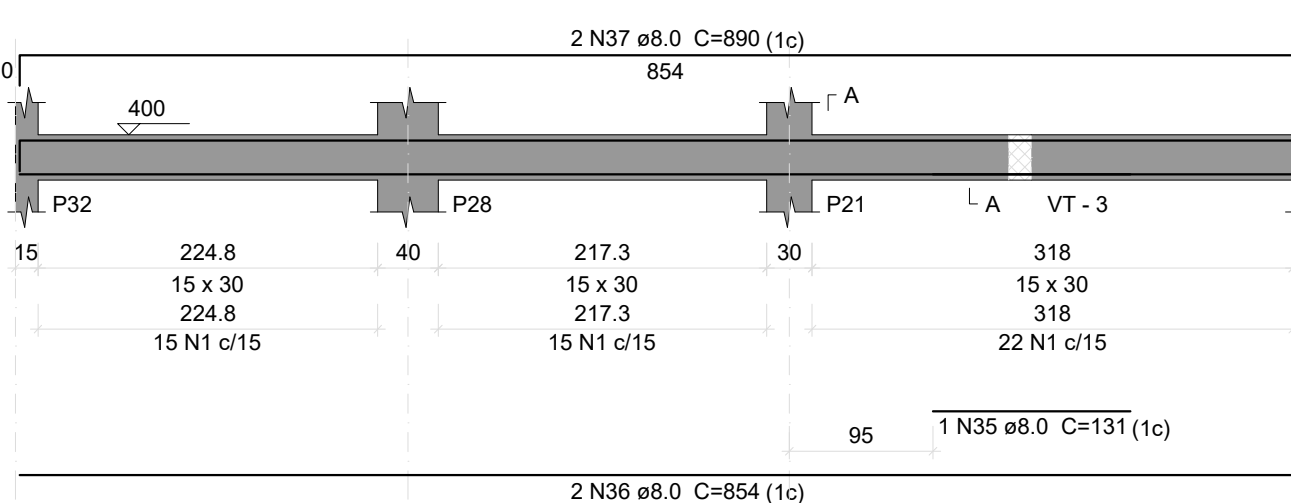
VT - 17



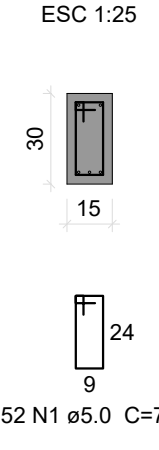
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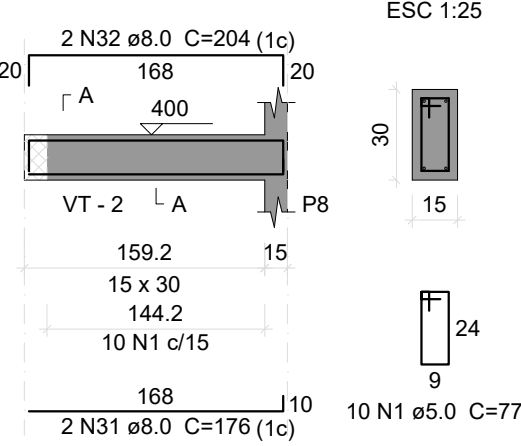
VT - 18



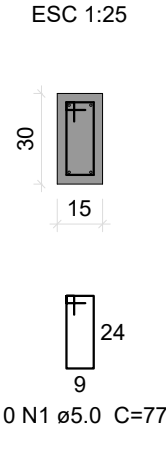
SEÇÃO A-A



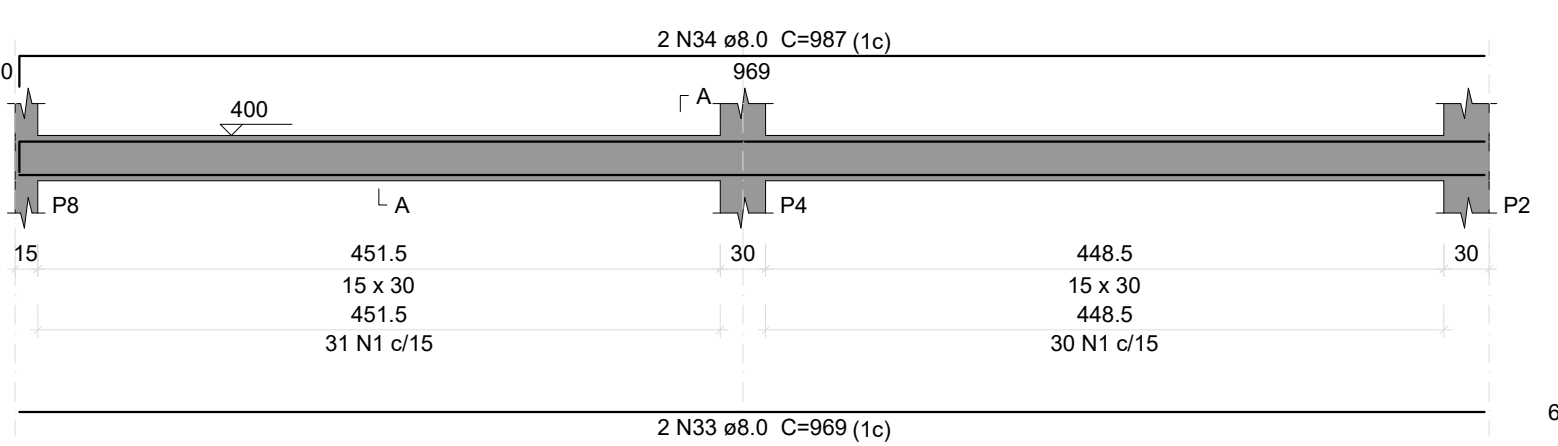
VT - 19



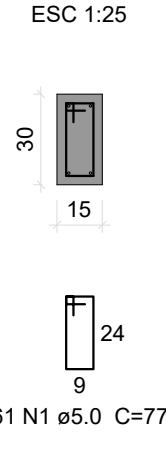
SEÇÃO A-A



VT - 20



SEÇÃO A-A



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	570	77	43890
	2	5.0	63	97	6111
	3	5.0	46	117	5382
	4	5.0	32	81	2592
CA50	5	8.0	2	989	1978
	6	8.0	2	217	434
	7	8.0	2	1096	2192
	8	8.0	2	168	336
	9	8.0	4	445	1780
	10	8.0	2	497	994
	11	8.0	1	103	103
	12	8.0	1	109	109
	13	8.0	2	488	976
	14	8.0	2	276	552
	15	8.0	2	140	280
	16	8.0	2	172	344
	17	8.0	2	141	282
	18	8.0	2	173	346
	19	8.0	1	81	81
	20	8.0	4	155	620
	21	8.0	1	58	58
	22	8.0	1	291	291
	23	8.0	2	1021	2042
	24	8.0	2	1052	2104
	25	8.0	4	275	1100
	26	8.0	2	298	596
	27	8.0	2	300	600
	28	8.0	2	173	346
	29	8.0	2	205	410
	30	8.0	3	249	747
	31	8.0	4	176	704
	32	8.0	4	204	816
	33	8.0	4	969	3876
	34	8.0	4	987	3948
	35	8.0	1	131	131
	36	8.0	2	854	1708
	37	8.0	2	890	1780
	38	10.0	4	235	940
	39	10.0	2	404	808
	40	10.0	1	166	166
	41	10.0	2	444	888
	42	10.0	2	236	472
	43	10.0	2	405	810
	44	10.0	2	149	298
	45	10.0	2	439	878
	46	10.0	2	963	1926
	47	10.0	1	190	190
	48	10.0	1	844	844
	49	10.0	2	1106	2212
	50	10.0	2	201	402
	51	10.0	2	226	452
	52	10.0	2	391	782
	53	10.0	2	959	1918
	54	10.0	2	950	1900
	55	10.0	1	113	113
	56	10.0	3	197	591
	57	12.5	4	260	1040
	58	12.5	1	320	320
	59	12.5	2	989	1978
	60	12.5	2	209	418
	61	12.5	1	240	240
	62	12.5	2	997	1994
	63	12.5	2	210	420

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	326.7	141.8
	10.0	165.9	112.5
	12.5	64.1	87.9
CA60	5.0	579.8	98.3
PESO TOTAL (kg)			
CA50		322.2	
CA60		98.3	

Volume de concreto (C-25) = 5.24 m³
Área de forma = 64.66 m²

Aprovação do Município:

PROJETO ESTRUTURAL

CONSTRUÇÃO DE VESTIÁRIO E REFORMA DE ARQUIBANCADA, NO MUNICÍPIO DE OLHOS D' ÁGUA-MG

Descrição do Projeto: Detalhes Armação das Vigas Travamento e Quadro Resumo de Aço	Responsável Técnico: KAREN MARIANA SOARES VIEIRA:09588911680 Assinado de forma digital por KAREN MARIANA SOARES VIEIRA:09588911680 Data: 2026.05.05 15:34:47 -03'00'
Endereço: Rua Carbonita, s/n, zona urbana, Olhos d'Água/MG.	Contratante: Káren Mariana Soares Vieira Engenheiro(a) Civil - Crea: 332.425-D/MG Assinado de forma digital por RODRIGO VIEIRA DE MATOS:09977653640 Data: 2026.05.05 14:45:40 -03'00'
Rodrigio Vieira de Matos Prefeito Municipal de Olhos d' Água-MG	

Área (m²): 265,00 m²	Tipo da Edificação: Construção	Prancha:
Data: 18 de março de 2026.	Art.: MG20264791451	
Referência / Número da pasta: VLK - 3PSP - OLH -07	Escala: Indicada	

Contratada: (38) 9 9977-6300

ENGENHARIA

Contratante:

OLHOS D'ÁGUA

Projeto: Rua Carbonita, s/n, Zona Urbana, Olhos d'Água - MG
CNPJ: 09.588.911-68
Data: 05/05/2026 15:34:47 -03'00'
Verifique em: https://validar.rti.gov.br/

Assinado de forma digital por KAREN MARIANA SOARES VIEIRA:09588911680
Data: 2026.05.05 15:34:47 -03'00'

Assinado de forma digital por RODRIGO VIEIRA DE MATOS:09977653640
Data: 2026.05.05 14:45:40 -03'00'

Assinado de forma digital por KAREN MARIANA SOARES VIEIRA:09588911680
Data: 2026.05.05 15:34:47 -03'00'

Assinado de forma digital por RODRIGO VIEIRA DE MATOS:09977653640
Data: 2026.05.05 14:45:40 -03'00'

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Data: 2026.05.05 14:45:40 -03'00'

Assinado de forma digital por KAREN MARIANA SOARES VIEIRA:09588911680
Data: 2026.05.05 15:34:47 -03'00'

Assinado de forma digital por RODRIGO VIEIRA DE MATOS:09977653640
Data: 2