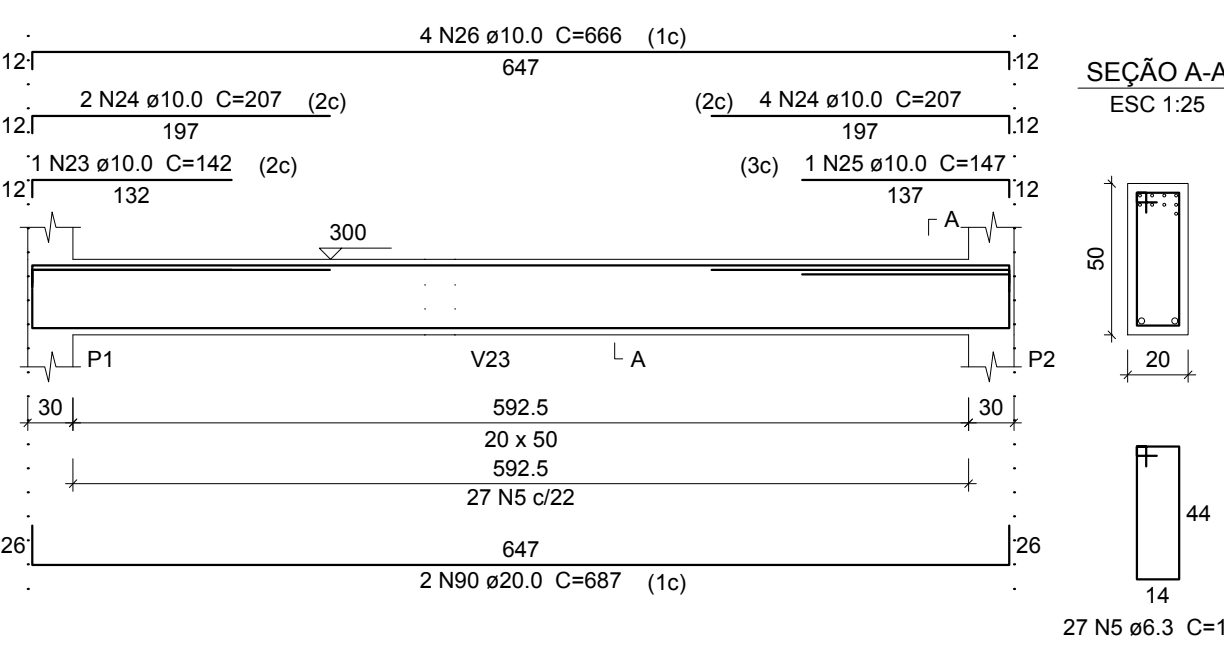


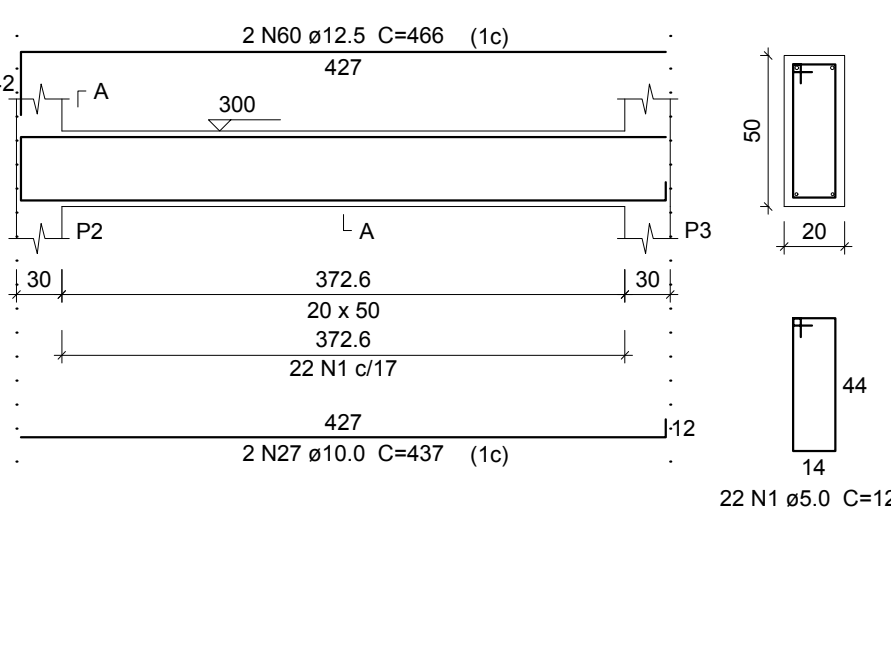
V1

ESC 1:50



V2

ESC 1:50

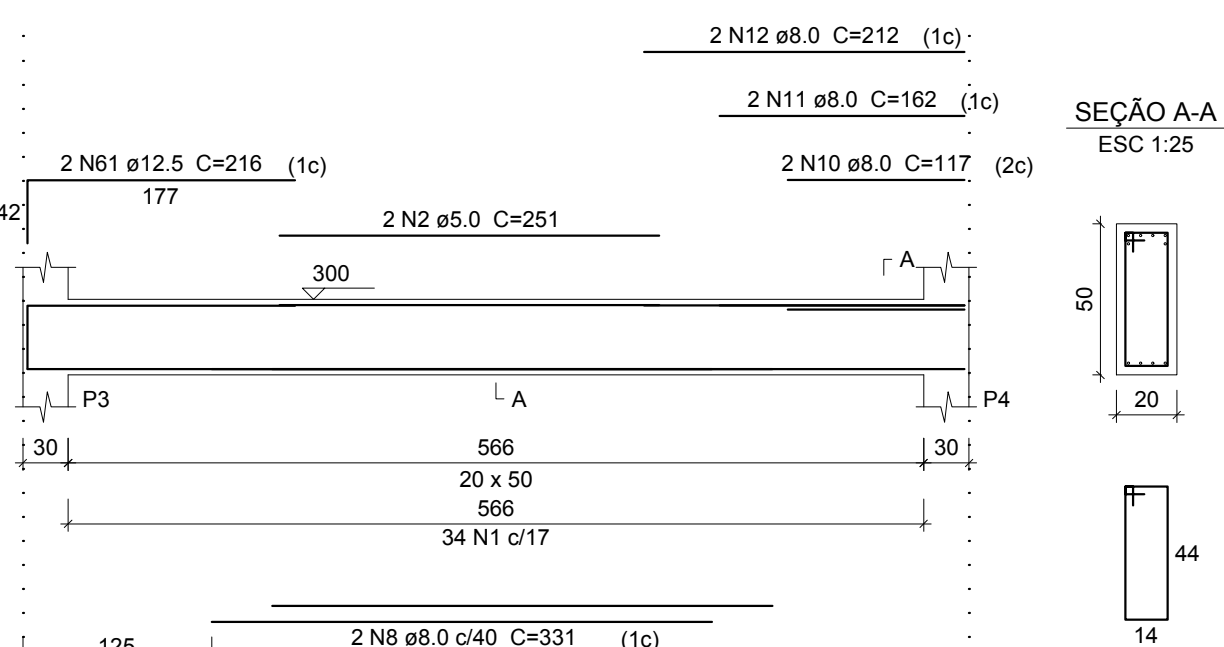


SEÇÃO A-A

ESC 1:25

V3

ESC 1:50

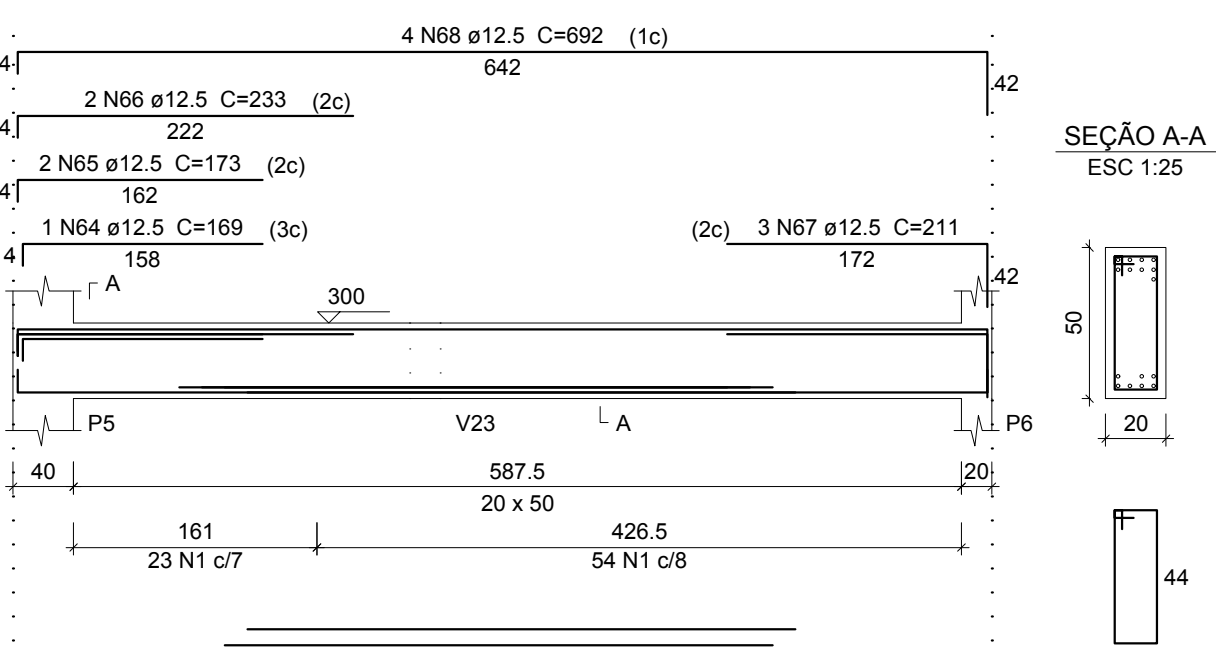


SEÇÃO A-A

ESC 1:25

V4

ESC 1:50

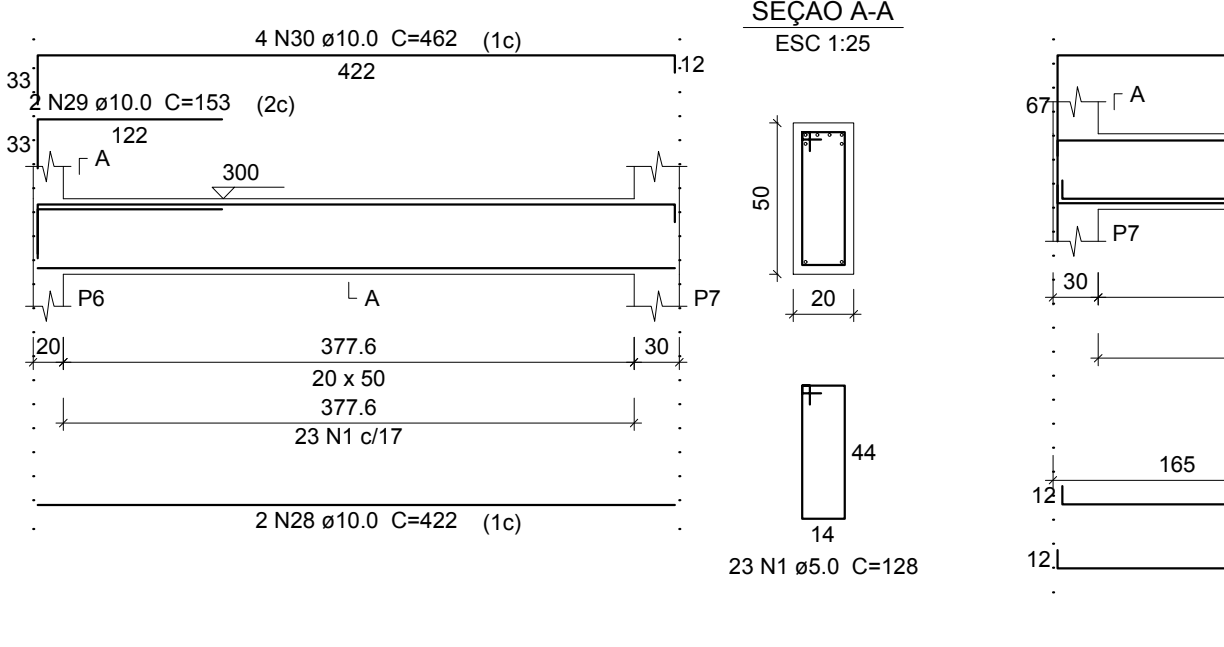


SEÇÃO A-A

ESC 1:25

V5

ESC 1:50

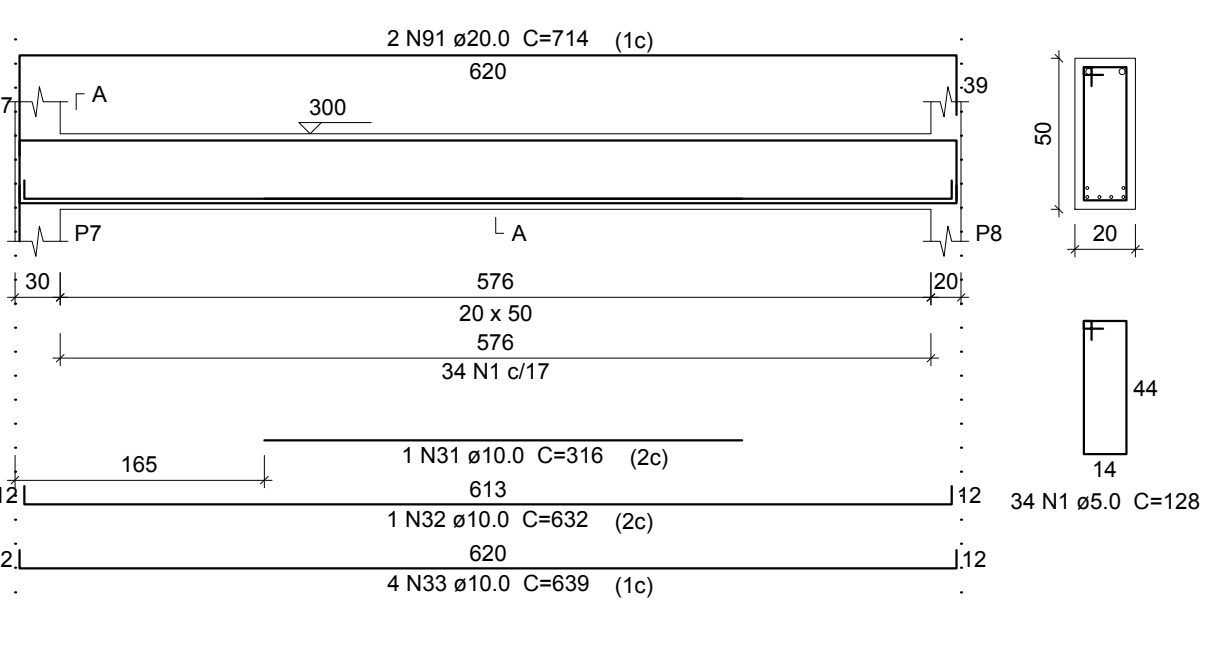


SEÇÃO A-A

ESC 1:25

V6

ESC 1:50

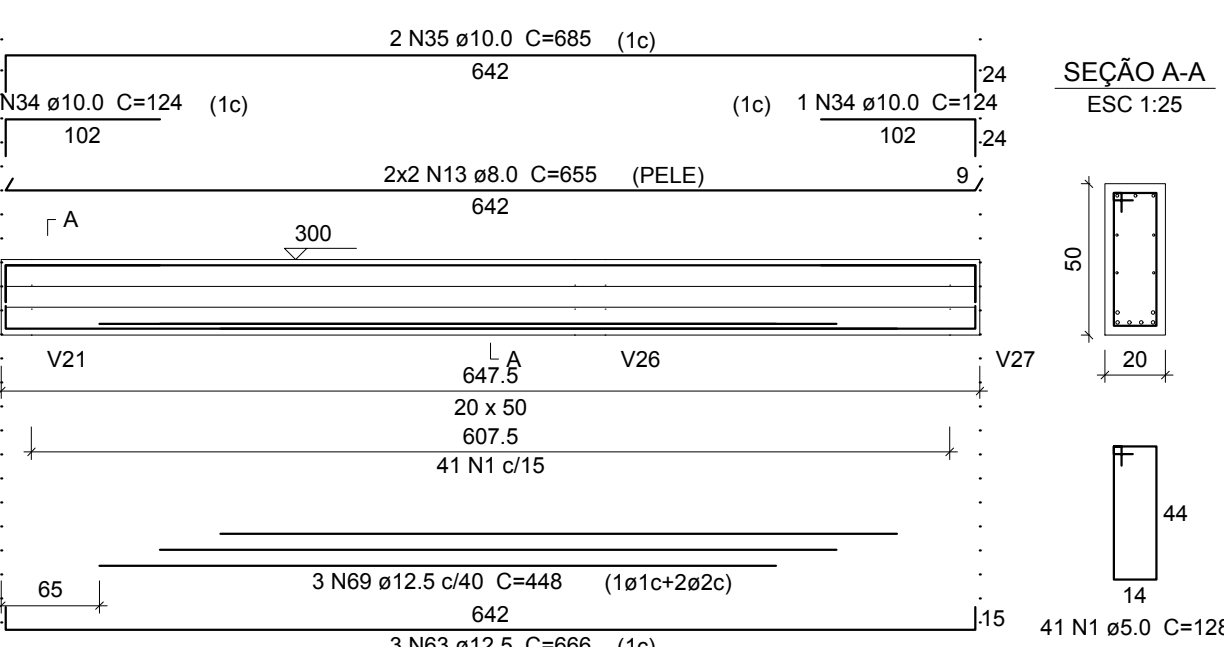


SEÇÃO A-A

ESC 1:25

V7

ESC 1:50

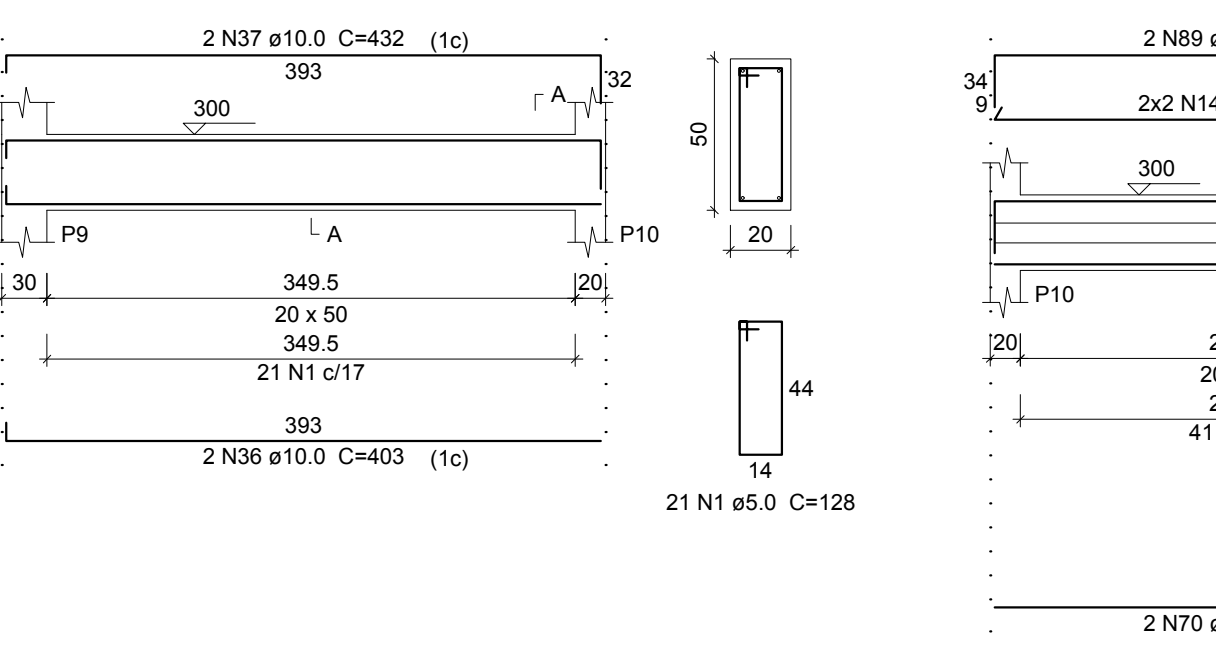


SEÇÃO A-A

ESC 1:25

V8

ESC 1:50

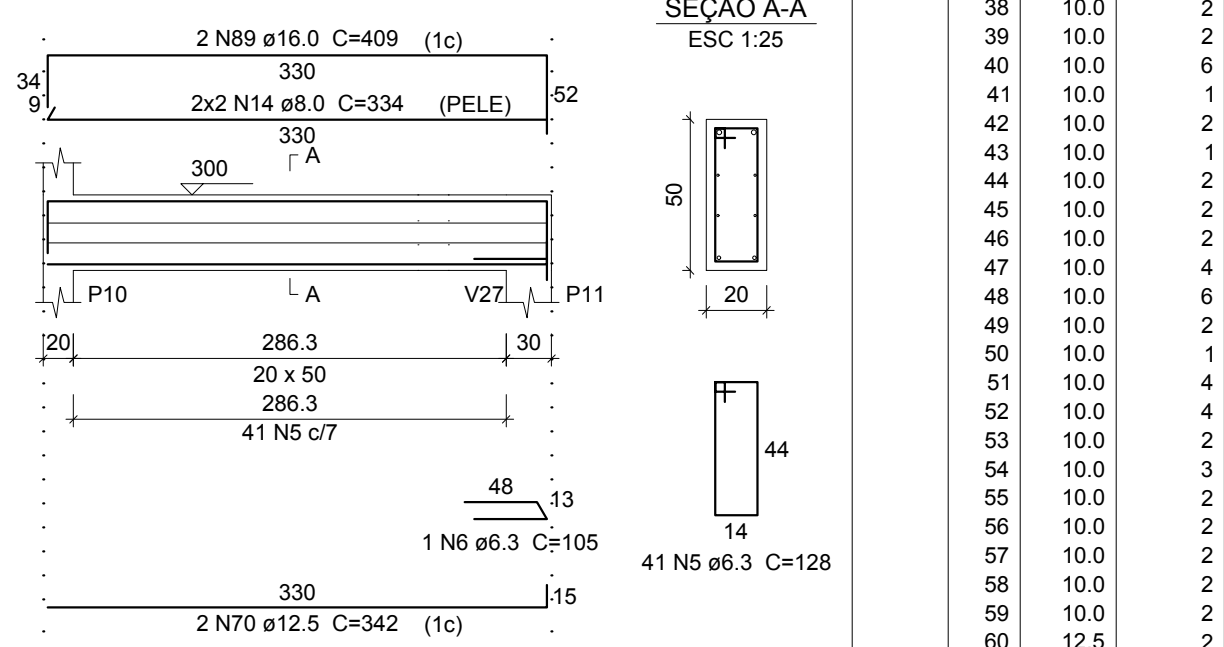


SEÇÃO A-A

ESC 1:25

V9

ESC 1:50

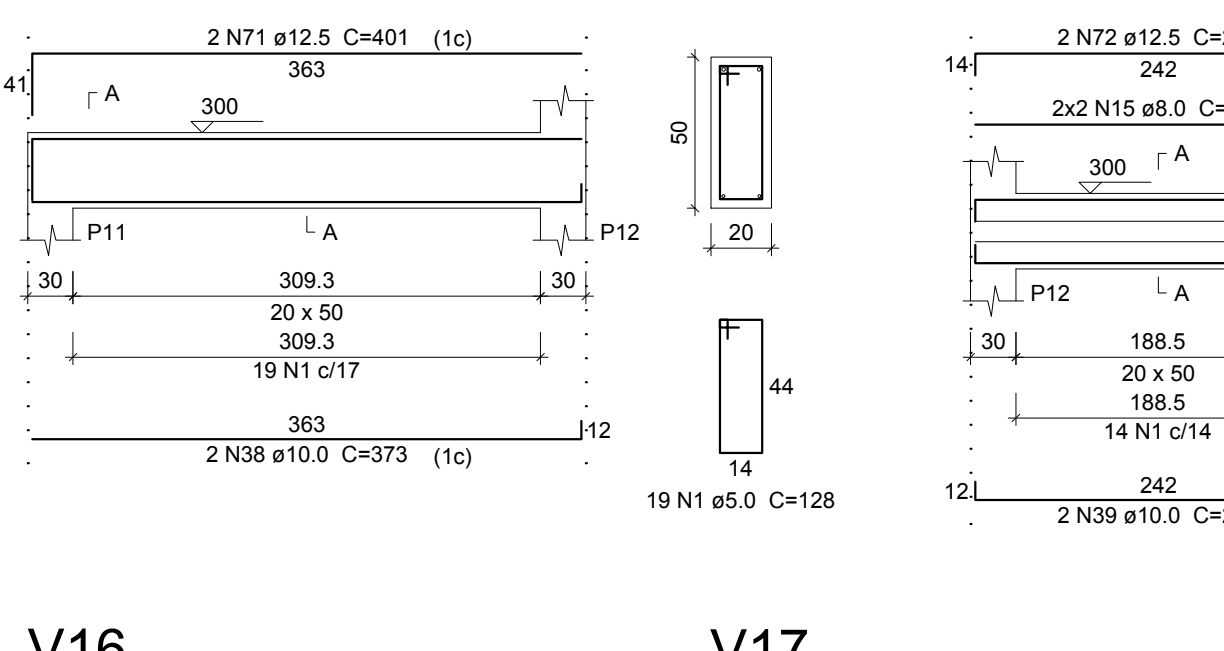


SEÇÃO A-A

ESC 1:25

V10

ESC 1:50

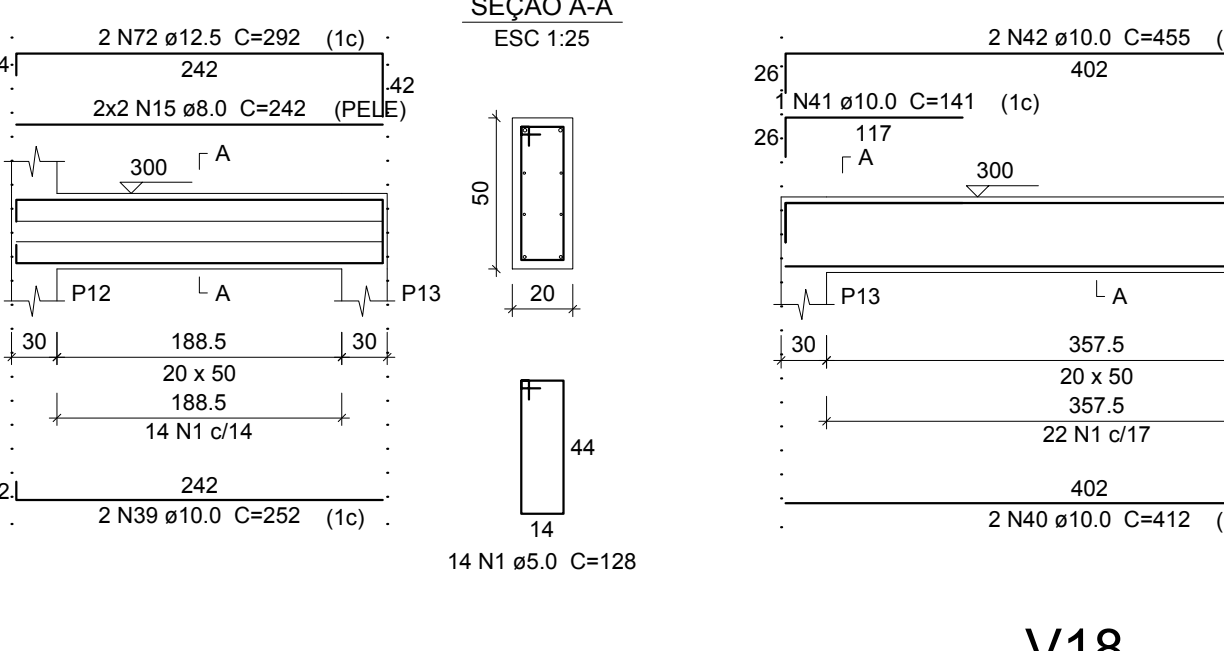


SEÇÃO A-A

ESC 1:25

V11

ESC 1:50

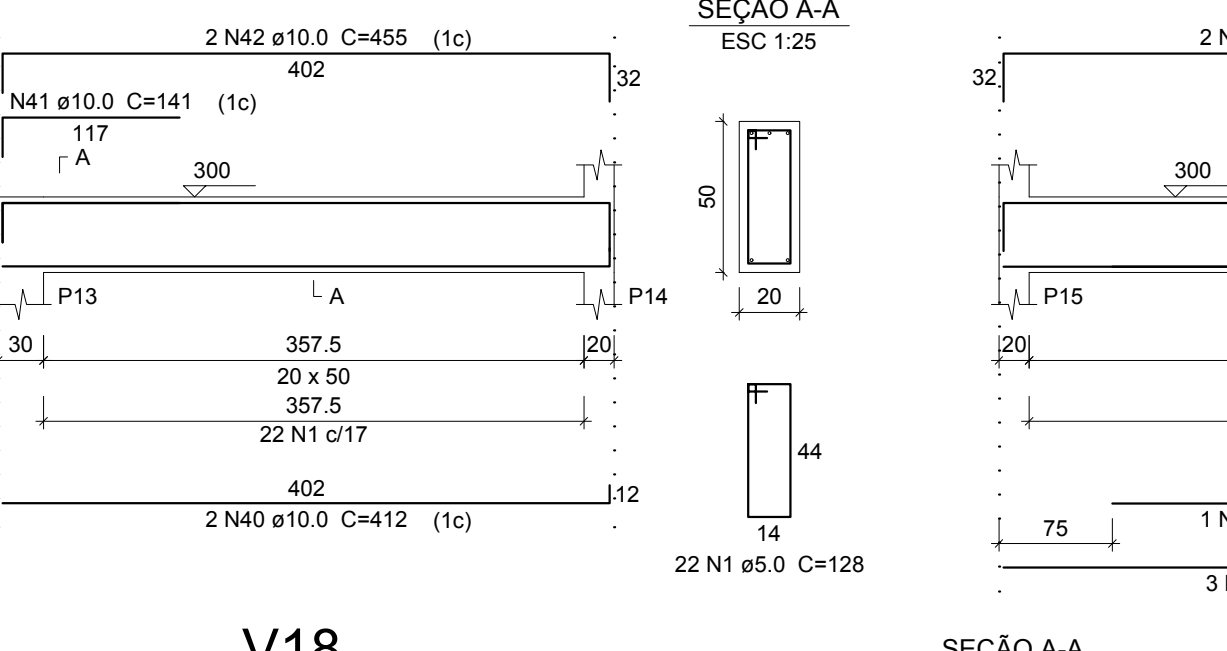


SEÇÃO A-A

ESC 1:25

V12

ESC 1:50

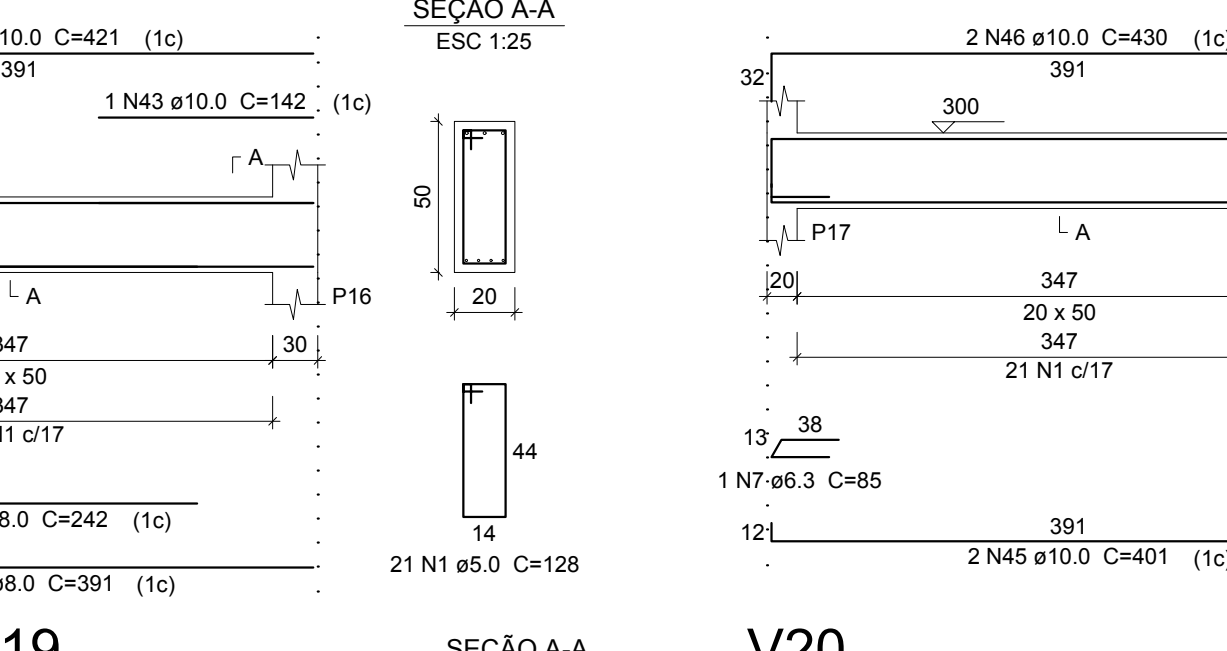


SEÇÃO A-A

ESC 1:25

V13

ESC 1:50

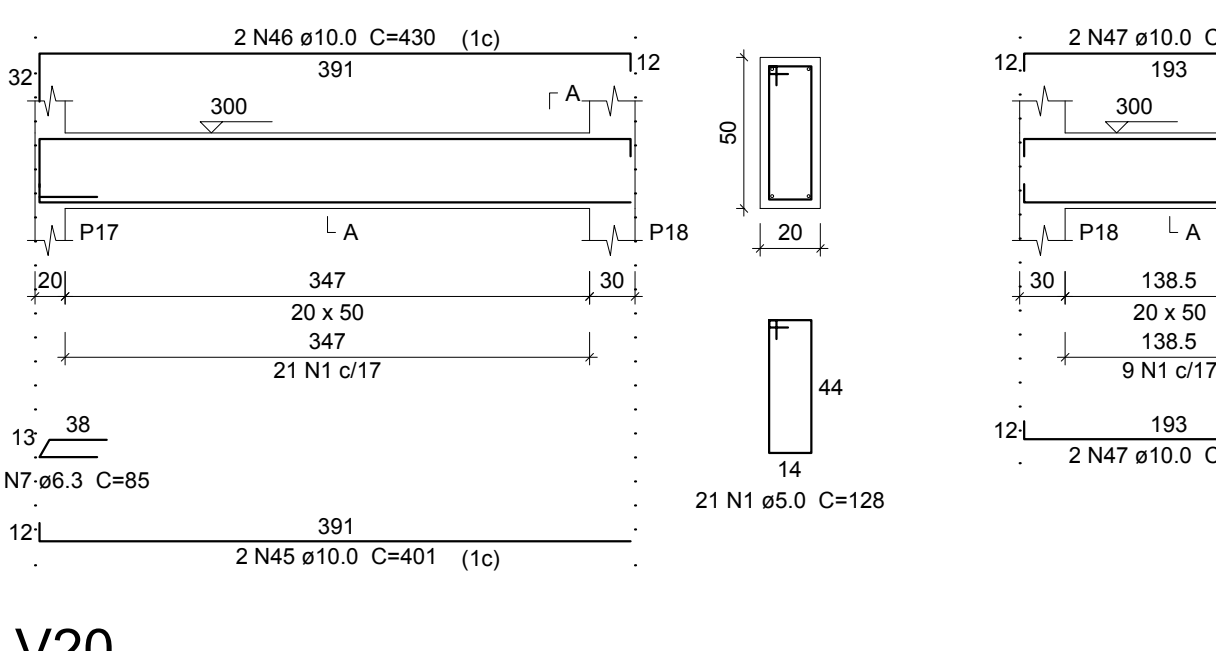


SEÇÃO A-A

ESC 1:25

V14

ESC 1:50

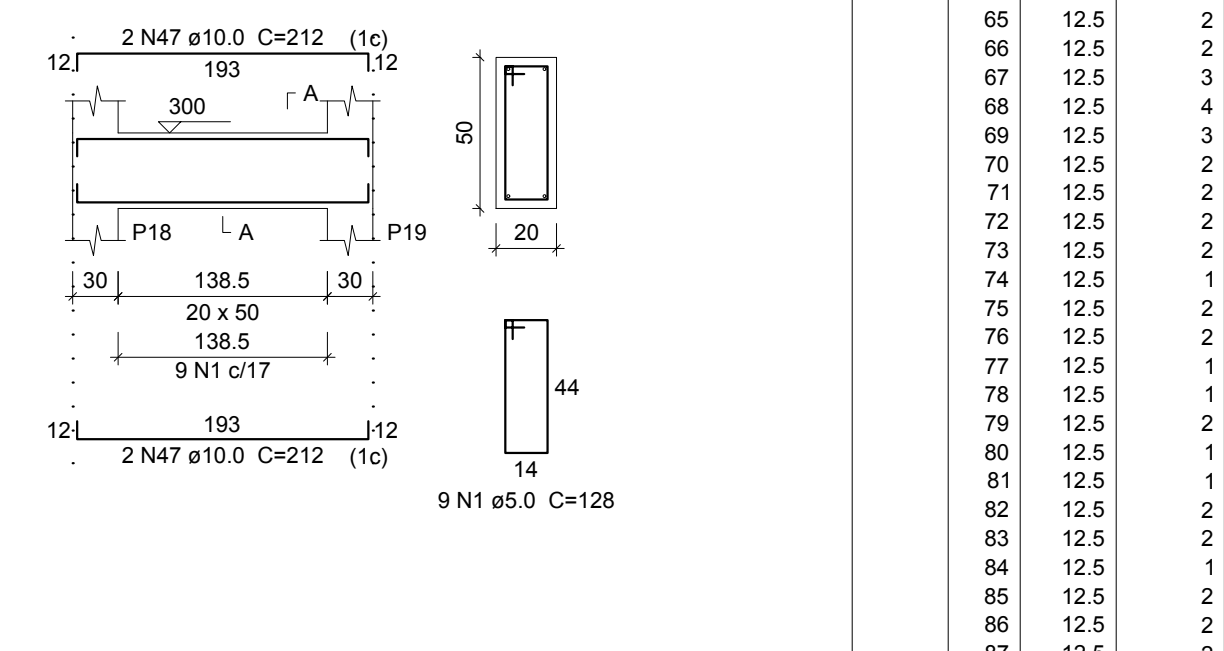


SEÇÃO A-A

ESC 1:25

V15

ESC 1:50

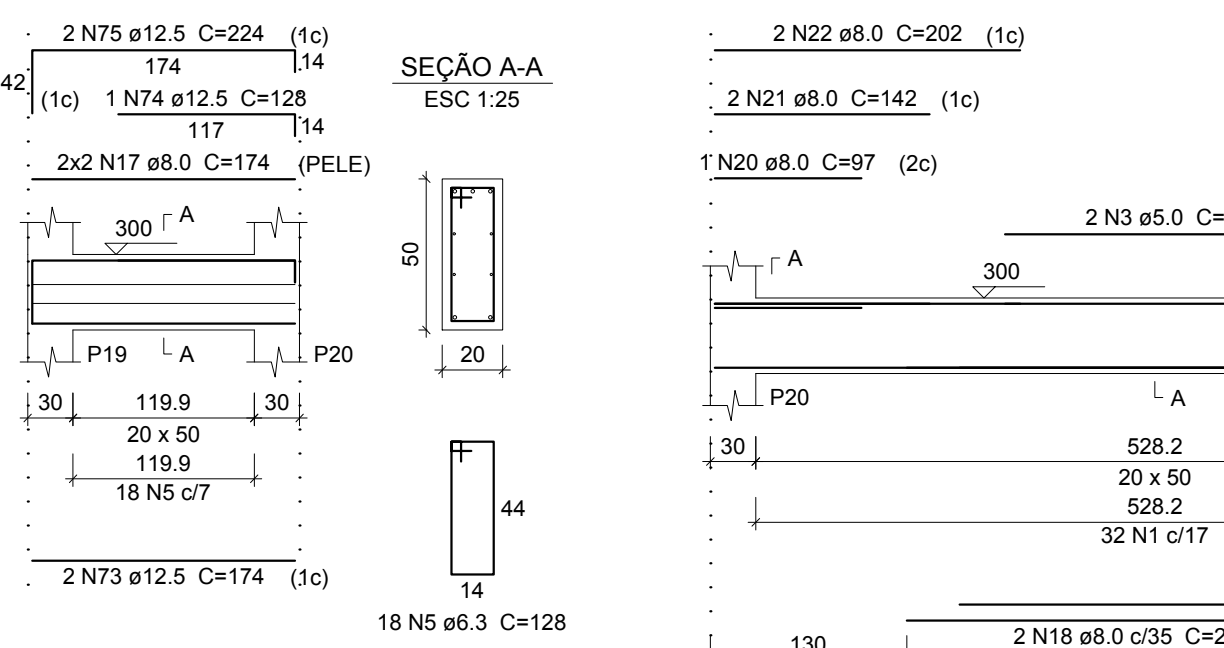


SEÇÃO A-A

ESC 1:25

V16

ESC 1:50

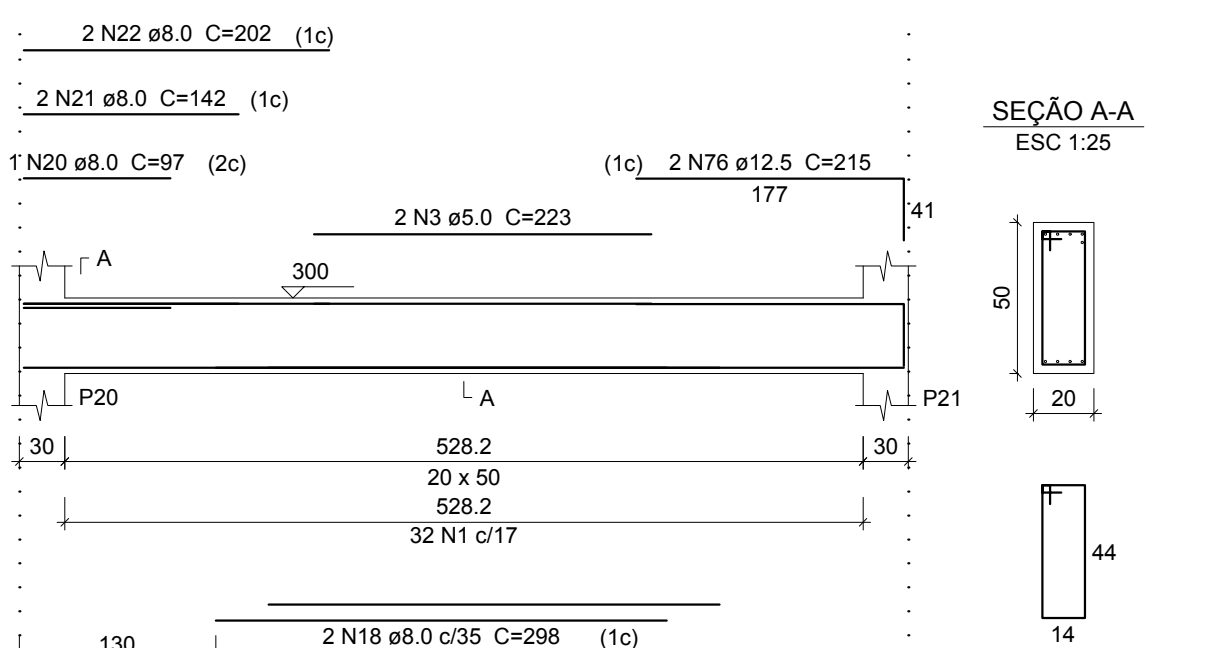


SEÇÃO A-A

ESC 1:25

V17

ESC 1:50

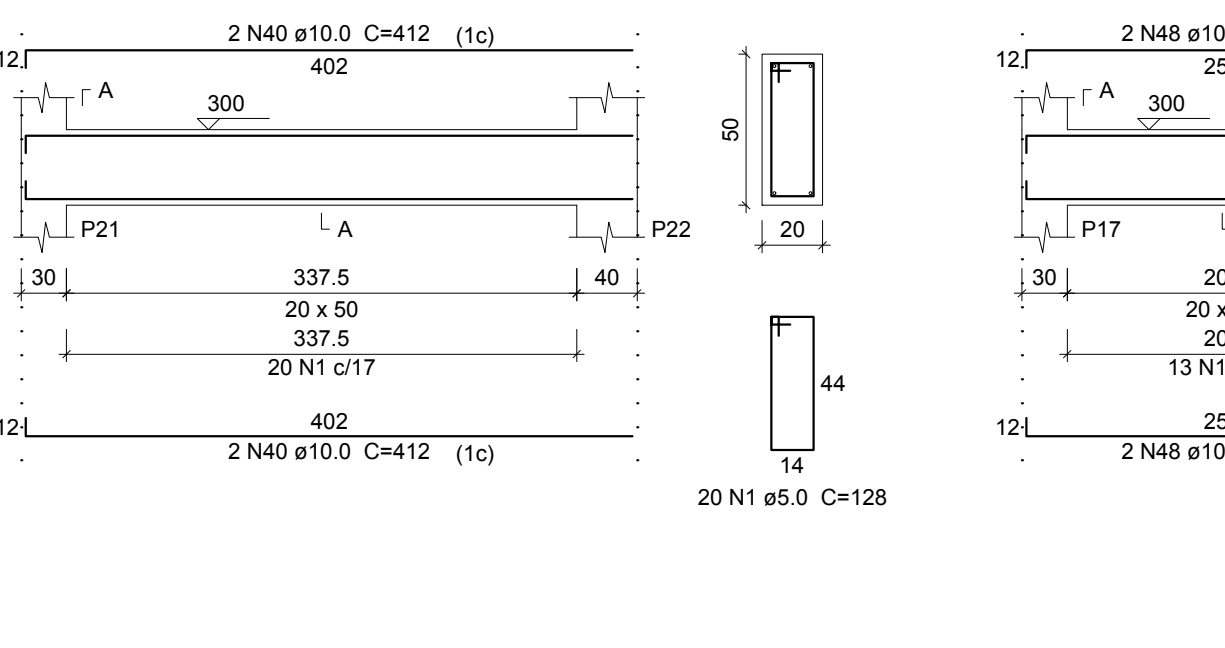


SEÇÃO A-A

ESC 1:25

V18

ESC 1:50

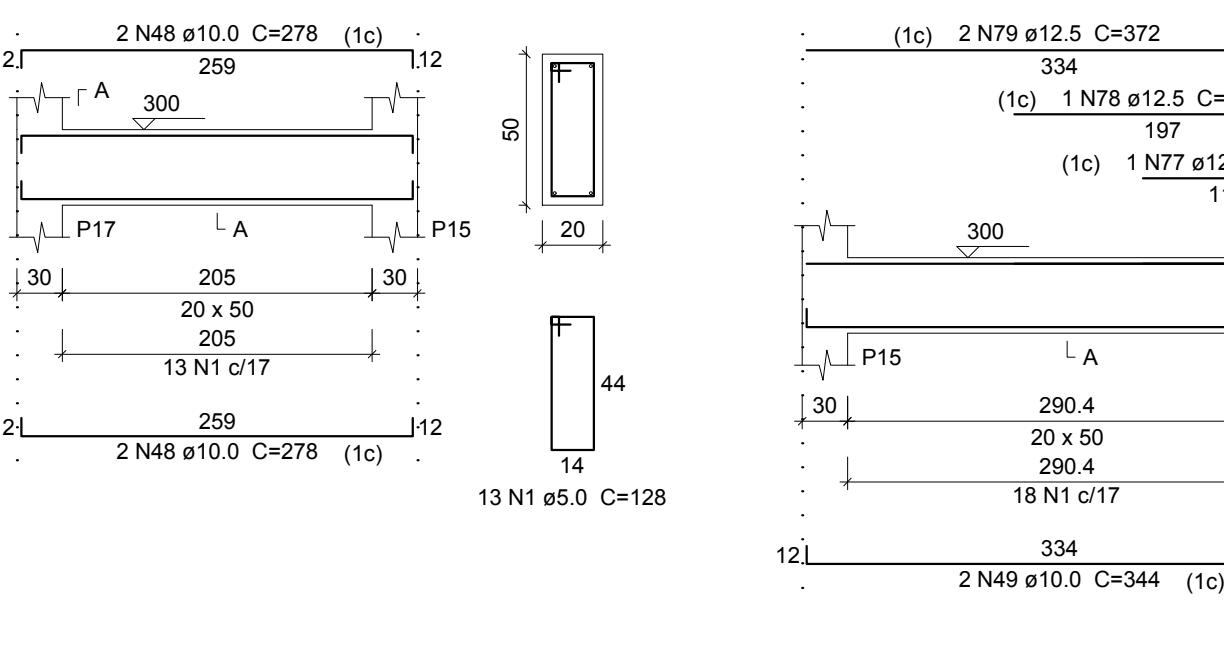


SEÇÃO A-A

ESC 1:25

V19

ESC 1:50

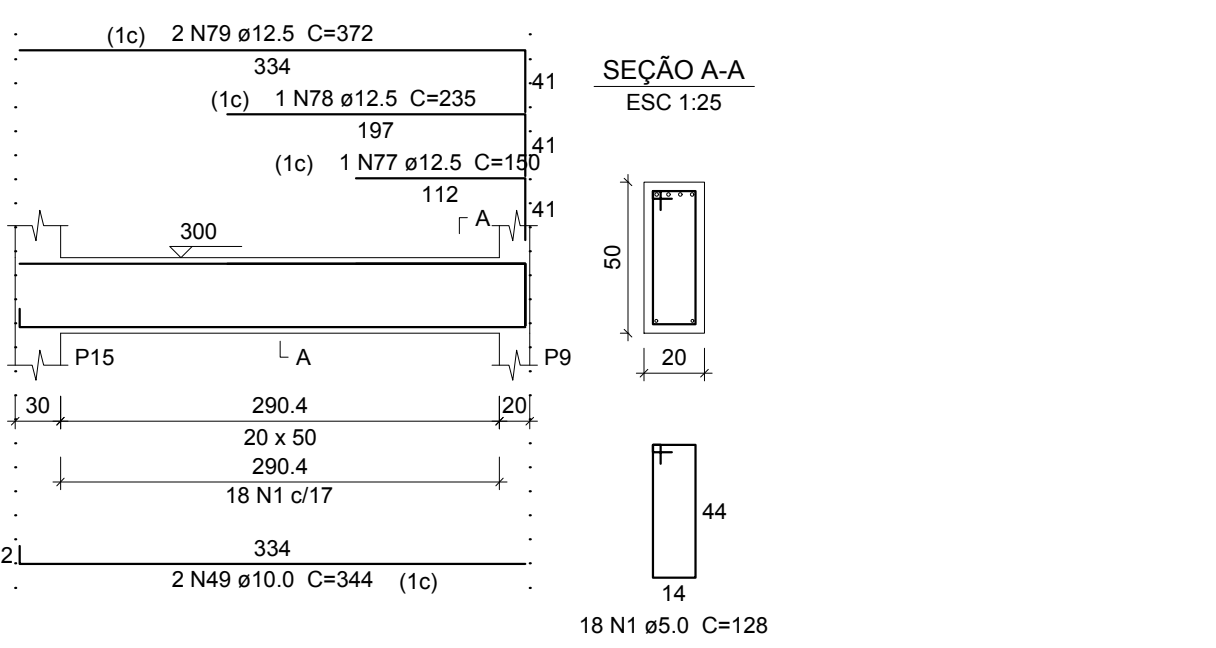


SEÇÃO A-A

ESC 1:25

V20

ESC 1:50

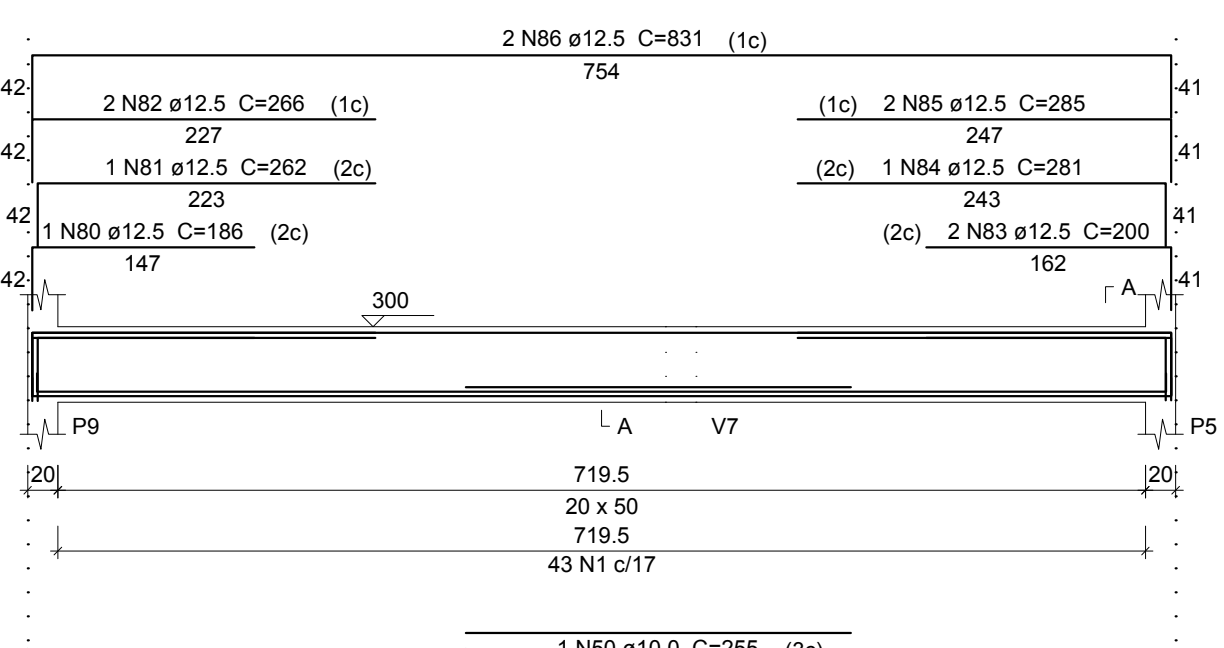


SEÇÃO A-A

ESC 1:25

V21

ESC 1:50

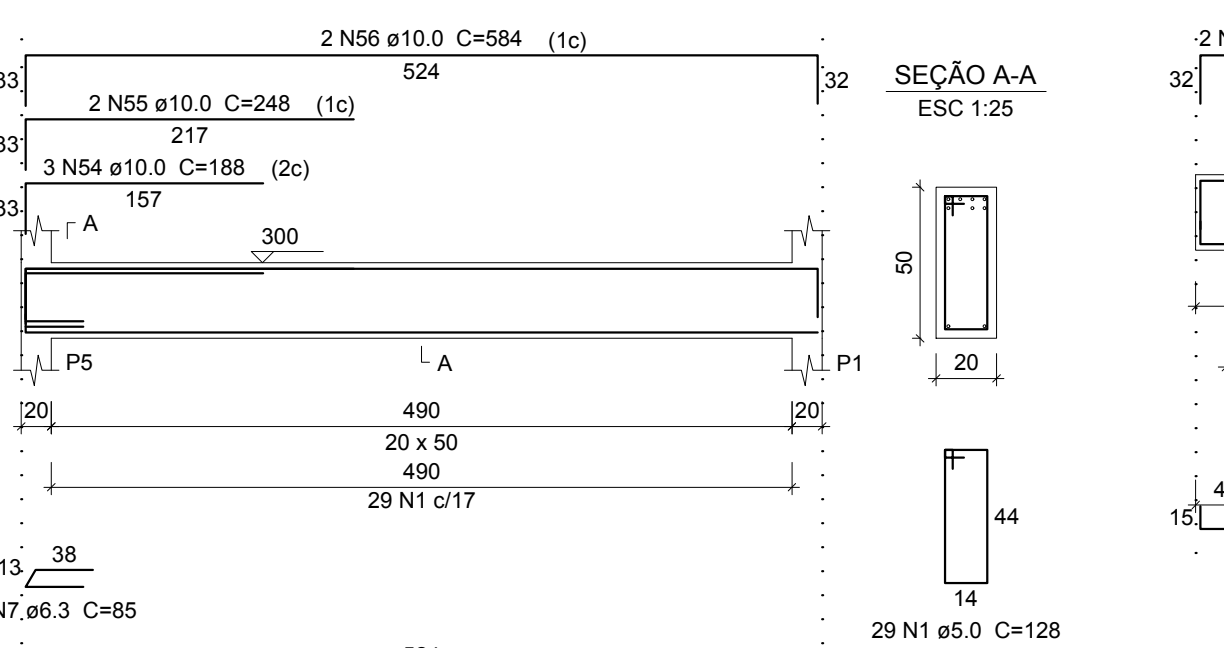


SEÇÃO A-A

ESC 1:25

V22

ESC 1:50

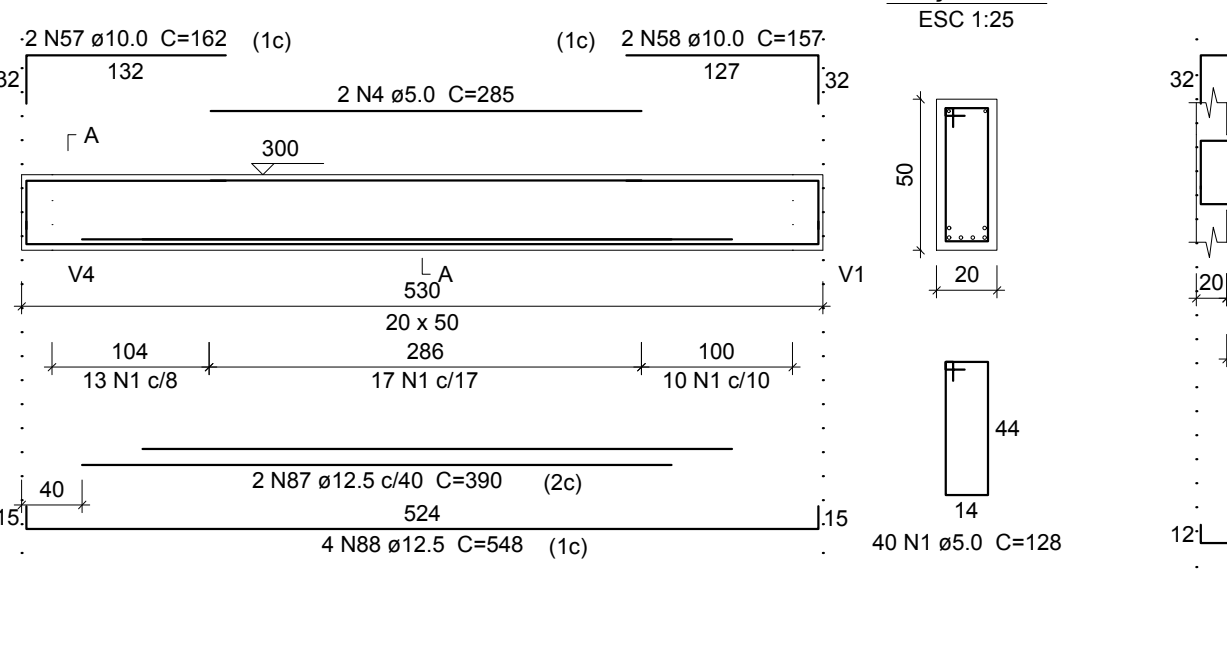


SEÇÃO A-A

ESC 1:25

V23

ESC 1:50

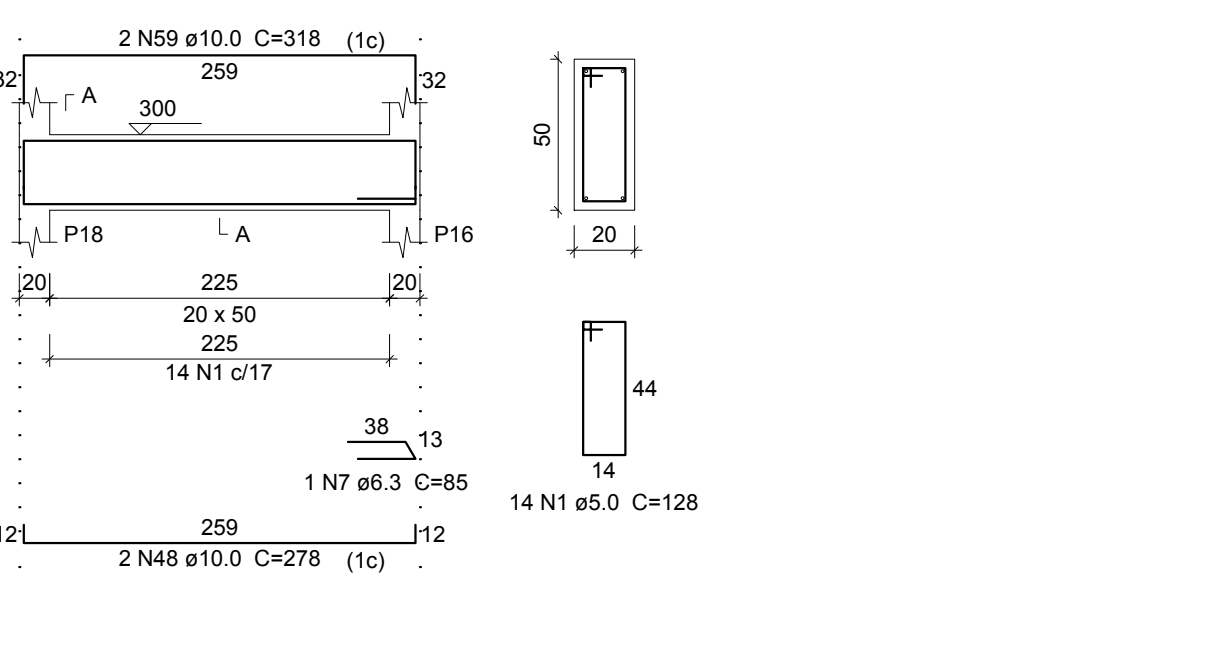


SEÇÃO A-A

ESC 1:25

V24

ESC 1:50



SEÇÃO A-A

ESC 1:25

Relação do aço						
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA60	1	8.0	567	128	72576	
	2	5.0	2	251	502	
	3	5.0	2	223	446	
	4	5.0	2	285	570	
	5	6.3	86	128	11008	
	6	6.3	1	105	105	
	7	6.3	4	85	340	
	8	8.0	2	331	662	
	9	8.0	2	620	1240	
	10	8.0	2	117	234	
CA50	11	8.0	2	162	324	
	12	8.0	2	212	424	
	13	8.0	4	655	2620	
	14	8.0	4	334	1336	
	15	8.0	5	242	1210	
	16	8.0	3	391	1173	
	17	8.0	4	174	696	
	18	8.0	2	298	596	
	19	8.0	2	582	1164	
	20	8.0	1	97	97	
	21	8.0	2	142	284	
	22	8.0	2	202	404	
	23	10.0	1	142	142	
	24	10.0	4	639	2556	
	25	10.0	1	147	147	
	26	10.0	4	666	2664	
	27	10.0	2	437	874	
	28	10.0	2	422	844	
	29	10.0	2	153	306	
	30	10.0	4	462	1848	
	31	10.0	1	316	316	
	32	10.0	1	632	632	
	33	10.0	4	639	2556	
	34	10.0	2	124	248	
	35	10.0	2	685	1370	
	36	10.0	2	403	806	
	37	10.0	2	432	864	
	38	10.0	2	373	746	
	39	10.0	2	252	504	
	40	10.0	6	412	2472	
	41	10.0	1	141	141	
	42	10.0	2	455	910	
	43	10.0	1	142	142	
	44	10.0	2	421	842	
	45	10.0	2	401	802	
	46	10.0	2	430	860	
	47	10.0	4	212	848	
	48	10.0	6	278	1668	
	49	10.0	2	344	688	
	50	10.0	1	255	255	
	51	10.0	1	706	3064	
	52	10.0	4	773	3092	
	53	10.0	2	534	1068	
	54	10.0	3	198	594	
	55	10.0	2	248	496	
	56	10.0	2	584	1168	
	57	10.0	2	162	324	
	58	10.0	2	157	314	
	59	10.0	2	318	636	
	60	12.5	2	466	932	
	61	12.5	2	216	432	
	62	12.5	4	363	1452	
	63	12.5	6	666	3996	
	64	12.5	1	169	169	
	65	12.5	2	173	346	
	66	12.5	2	233	466	
	67	12.5	3	211	633	
	68	12.5	4	692	2768	
	69	12.5	3	448	1344	
	70	12.5	2	342	684	
	71	12.5	2	401	802	
	72	12.5	2	292	584	
	73	12.5	2	174	348	
	74	12.5	1	128	128	
	75	12.5	2	224	448	
	76	12.5	2	215	430	
	77	12.5	1	150	150	
	78	12.5	1	235	235	
	79	12.5	2	372	744	
	80	12.5	1	186	186	
	81	12.5	1	262	262	
	82	12.5	2	266	532	
	83	12.5	2	200	400	
	84	12.5	1	281	281	
	85	12.5	2	285	570	
	86	12.5	2	831	1662	
	87	12.5	2	390	780	
	88	12.5	4	548	2192	
	89	16.0	2	409	818	
	90	20.0	2	687	1374	
	91	20.0	2	714	1428	

Resumo do aço				
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)	
CASO	6.3	114.6	30.8	
	8.0	124.7	54.1	
	10.0	364.7	247.3	
	12.5	239.6	253.9	
	16.0	8.2	14.2	
	20.0	28.1	76	
CA60	5.0	741	125.6	
PESO TOTAL (kg)				
CASO	676.3			
CA60	125.6			

Volume de concreto (C-30) = 10.68 m³  
Área de forma = 128.14 m²

DIREITOS AUTORIAIS RESERVADOS

PROIBIDA QUALQUER MODIFICAÇÃO OU REPRODUÇÃO NO

TUDO OU EM PARTE, SEM AUTORIZAÇÃO POR ESCRITO

DO AUTOR DO PROJETO.

## CONVENÇÕES

■ Pilar que morre

▨ Pilar que passa

□ Pilar que nasce

▨ Pilar com mudança de seção

— VIGA DIRETA

— SENTIDO DE ARMAÇÃO DAS LAJES PRÉ-MOLDADAS

## PARÂMETROS

CONCRETO - fck = 300 Kgf/cm² = 30 MPa

AÇO(S) : CA-50 A / CA-60 B

COBRIMENTO DAS ARMADURAS: VIGA / CINTA = 3.00 cm

PILAR = 3.00 cm

SAPATA = 4.50 cm

## OBSERVAÇÕES INICIAIS

1 - A taxa do solo foi fornecida em ensaio de sondagem

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