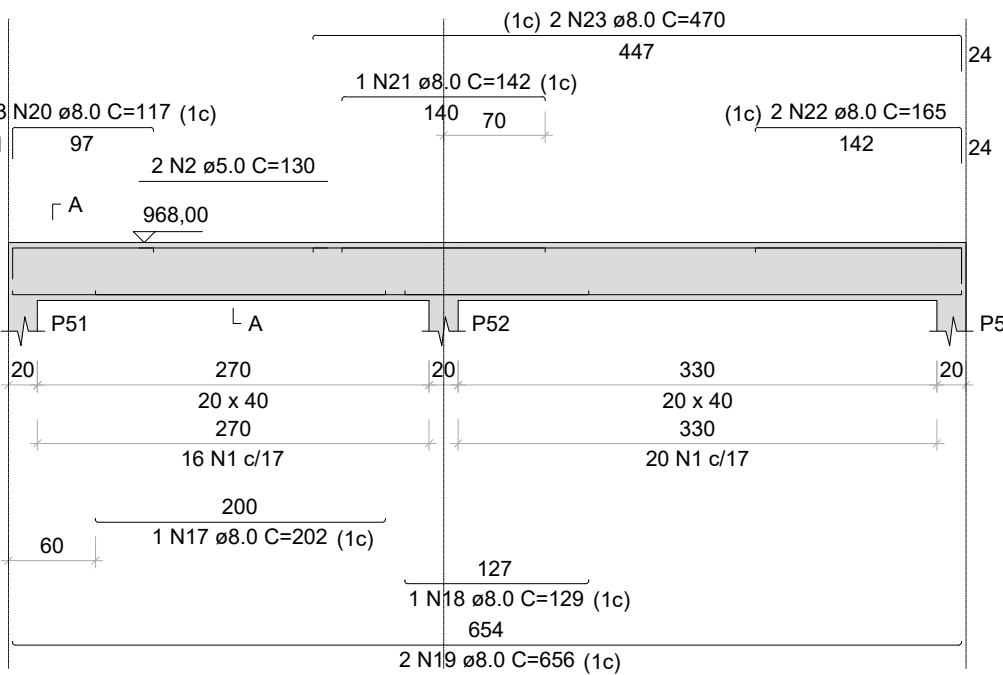


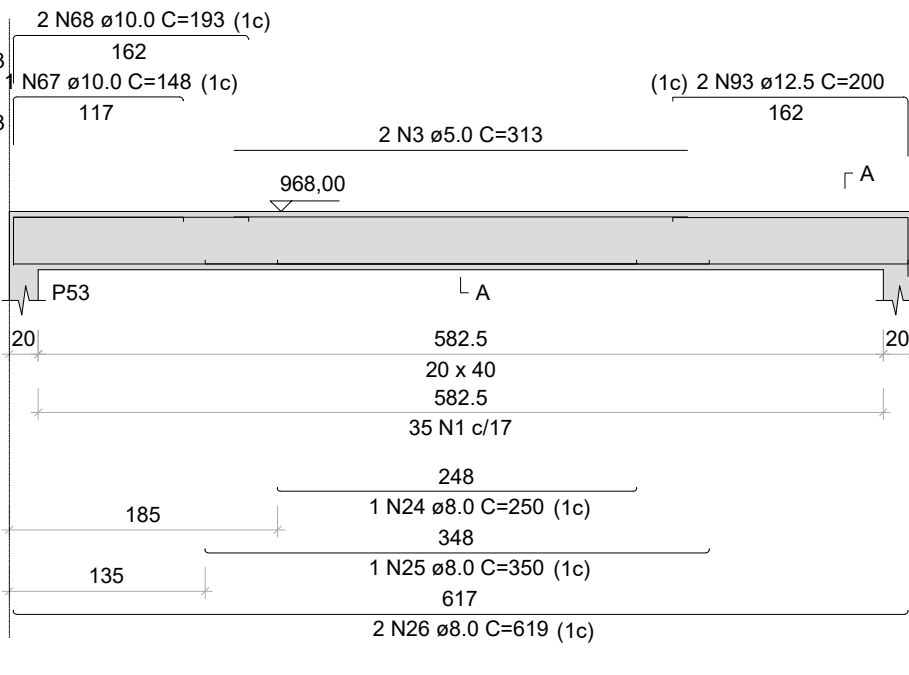
V32

ESC 1:50



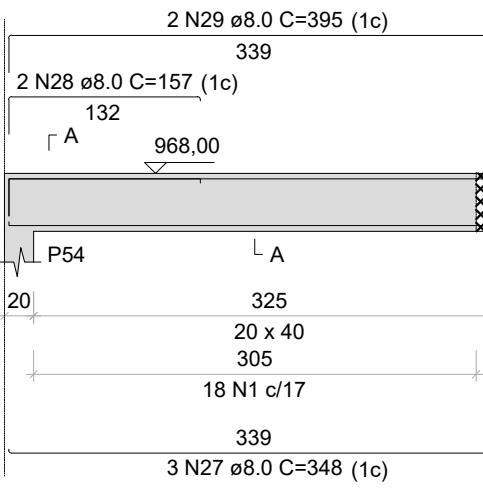
V33

ESC 1:50



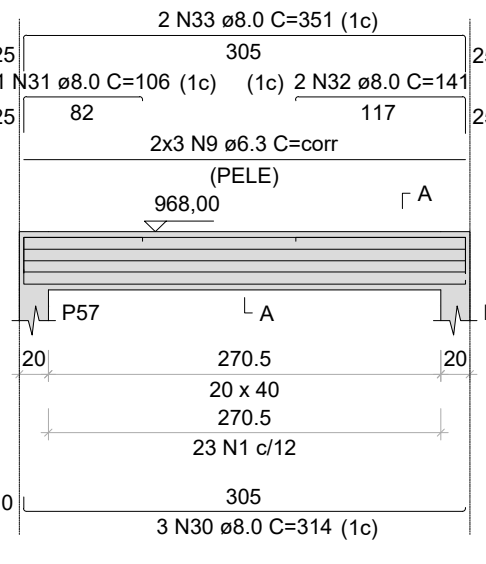
V34

ESC 1:50



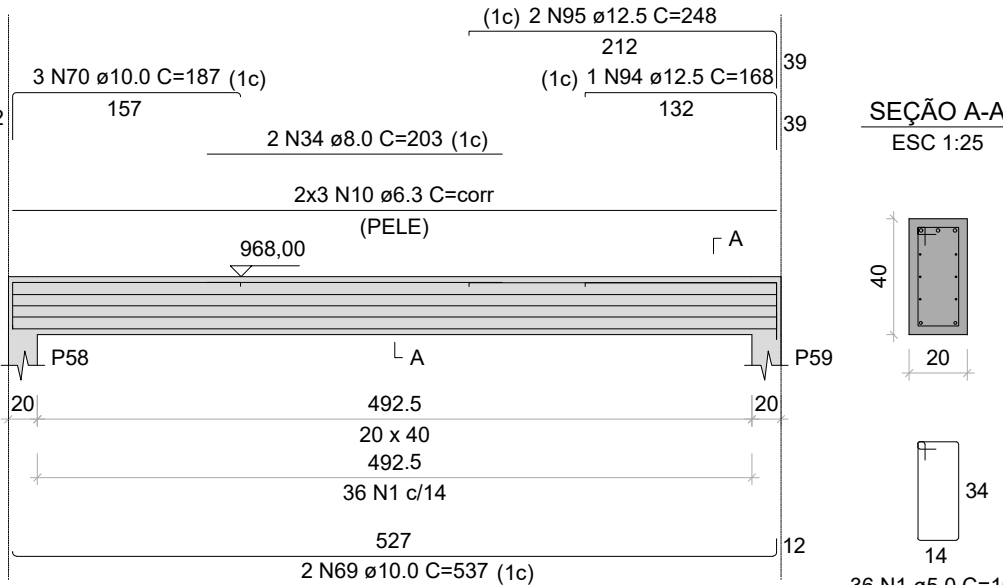
V35

ESC 1:50



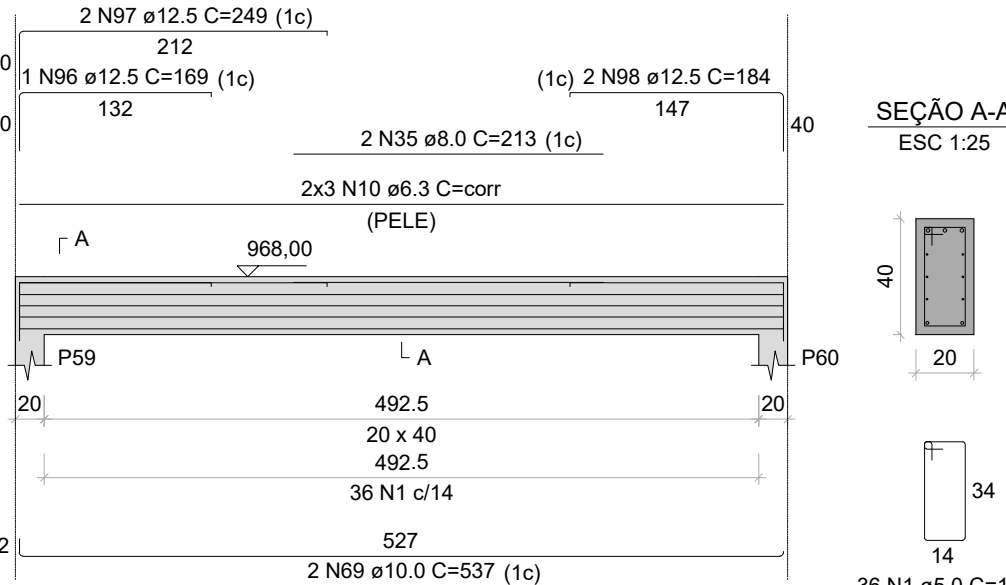
V36

ESC 1:50



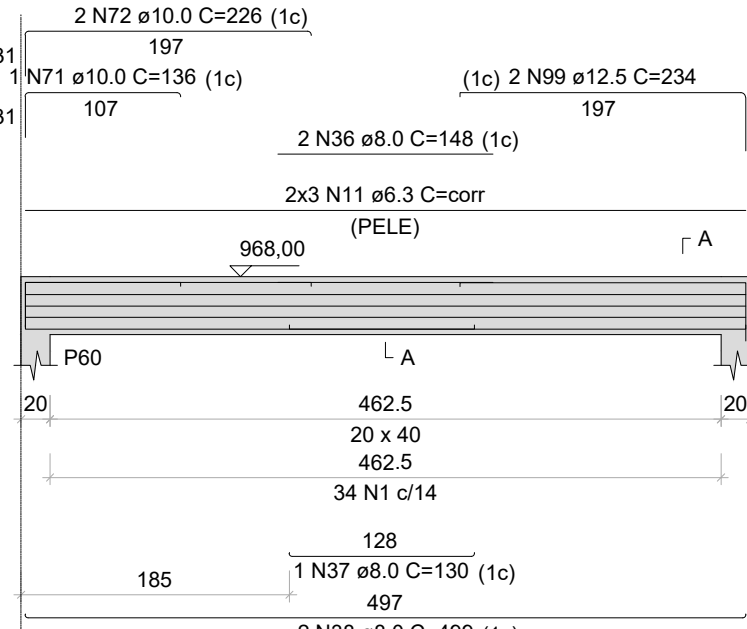
V37

ESC 1:50



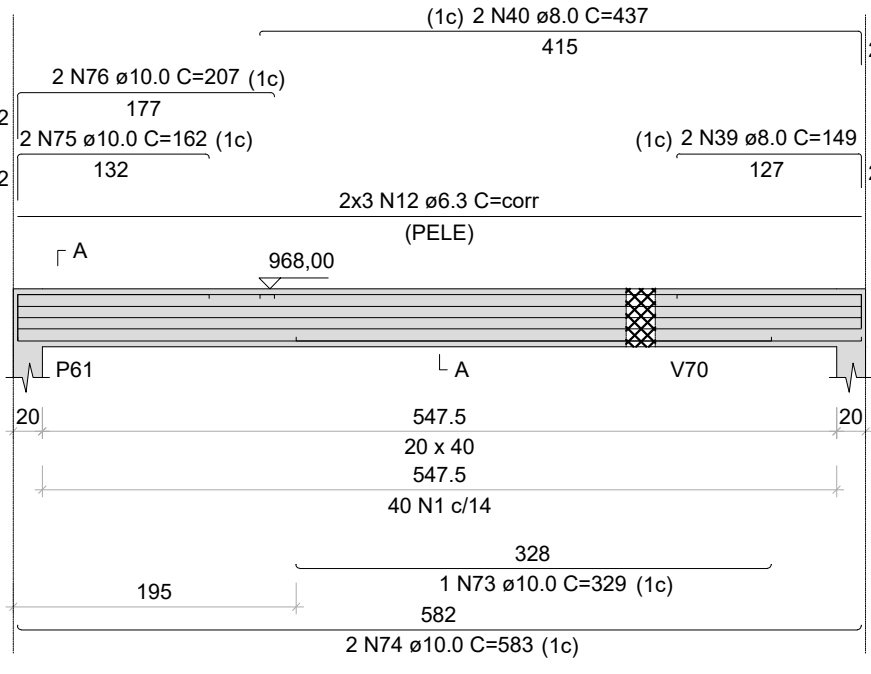
V38

ESC 1:50



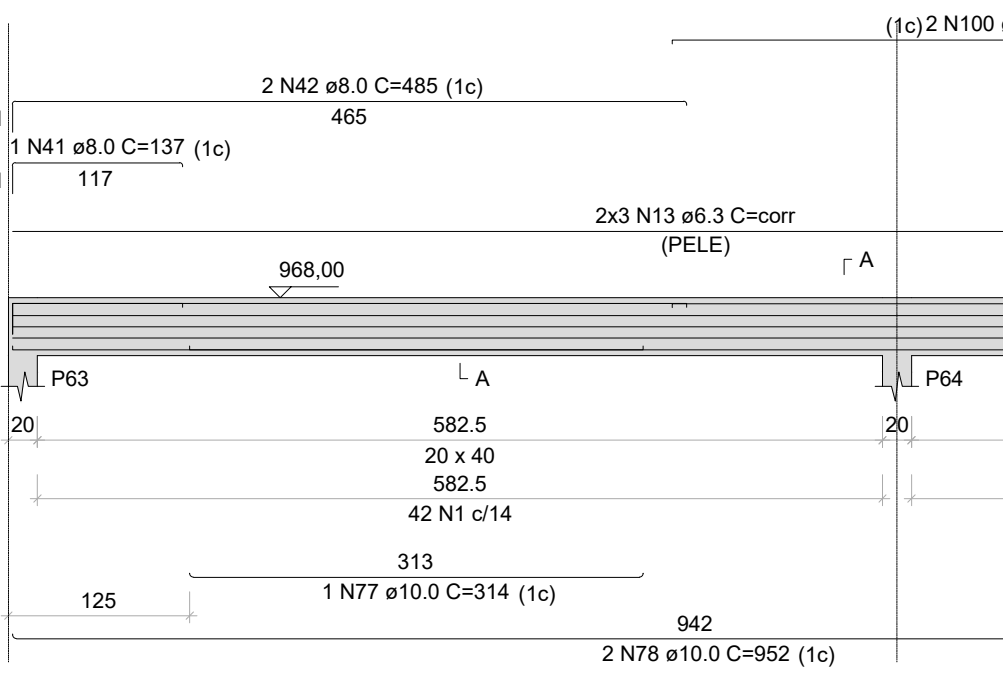
V39

ESC 1:50



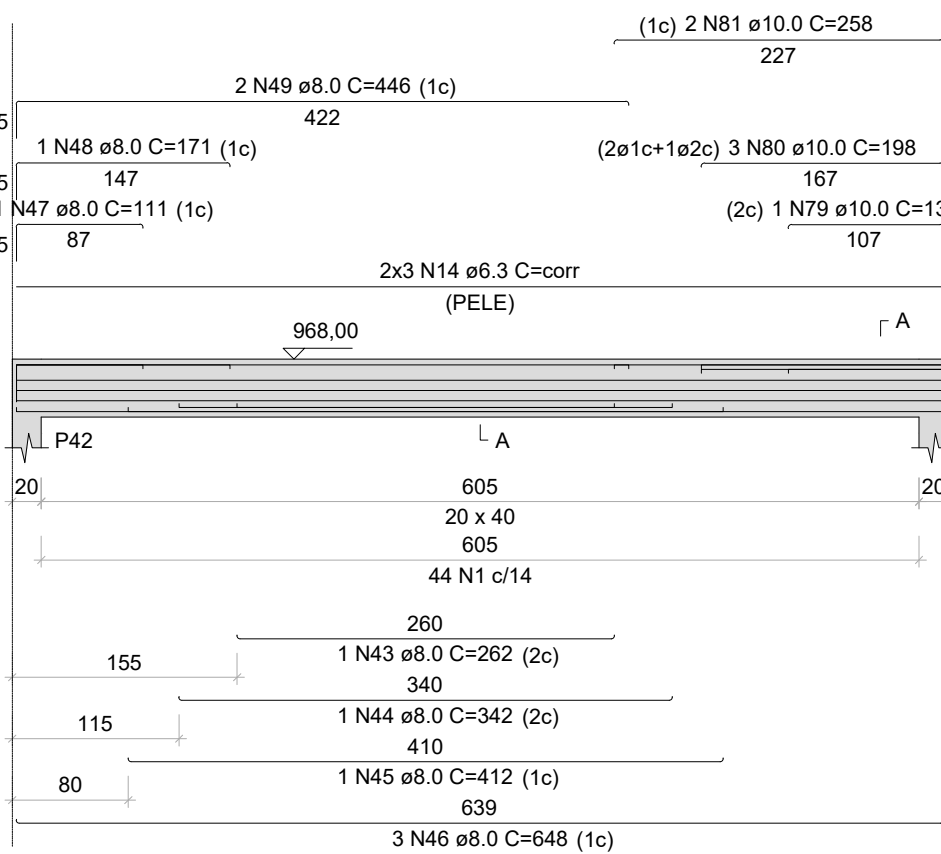
V40

ESC 1:50



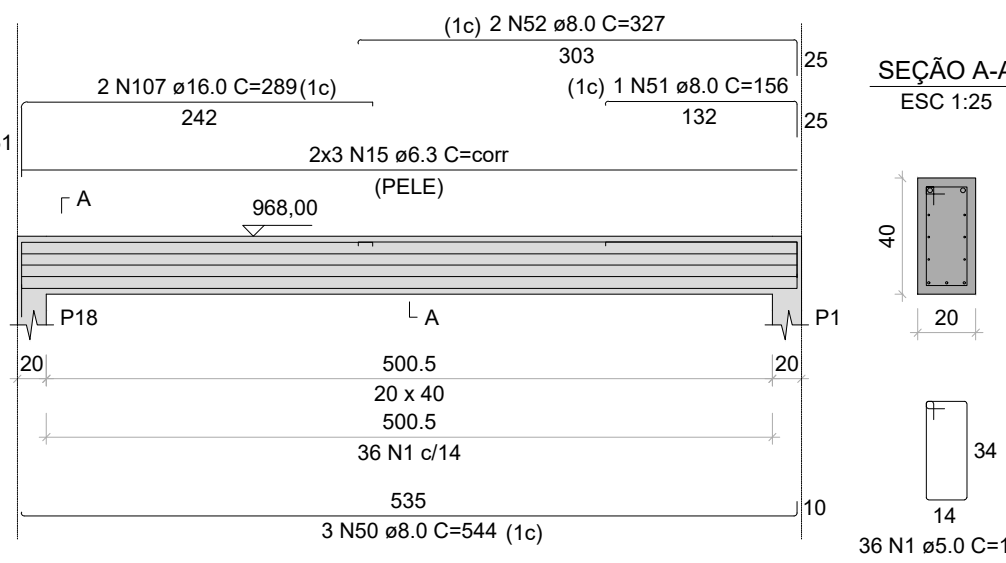
V41

ESC 1:50



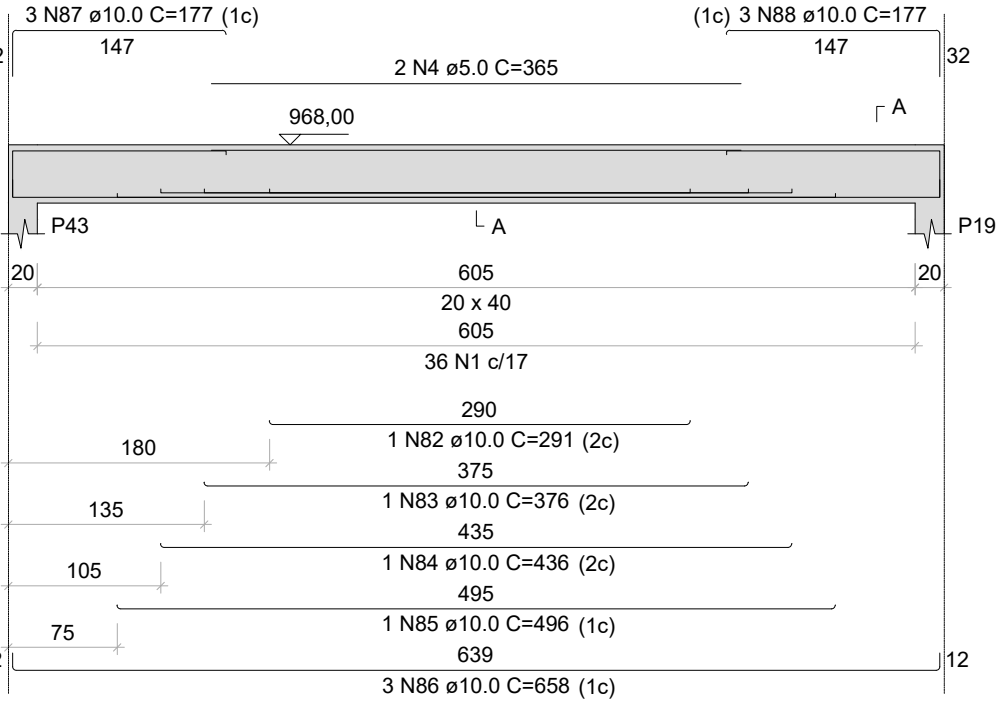
V42

ESC 1:50



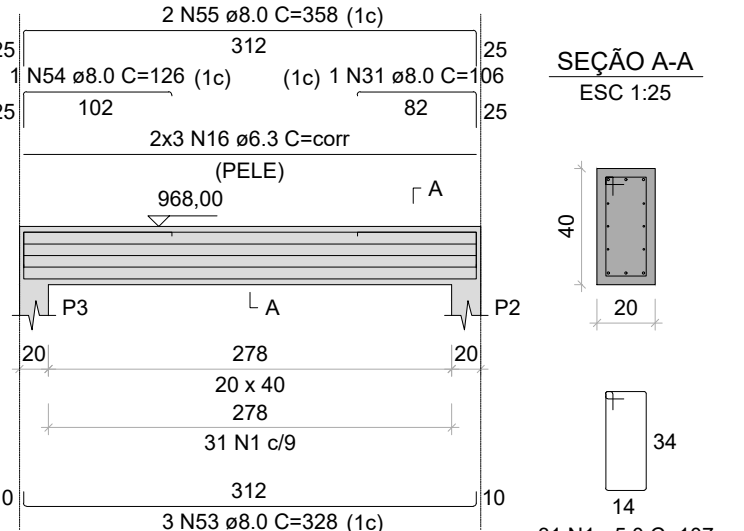
V43

ESC 1:50



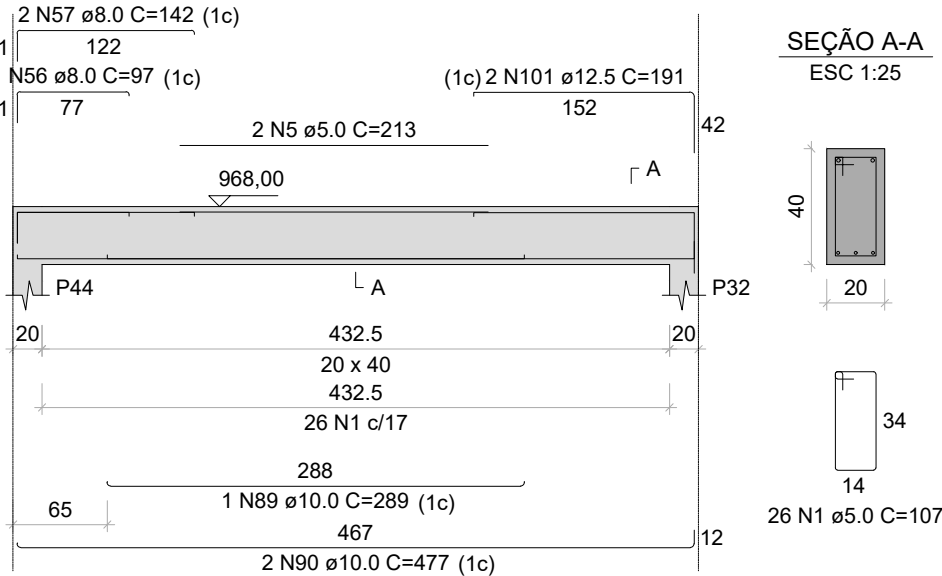
V44

ESC 1:50



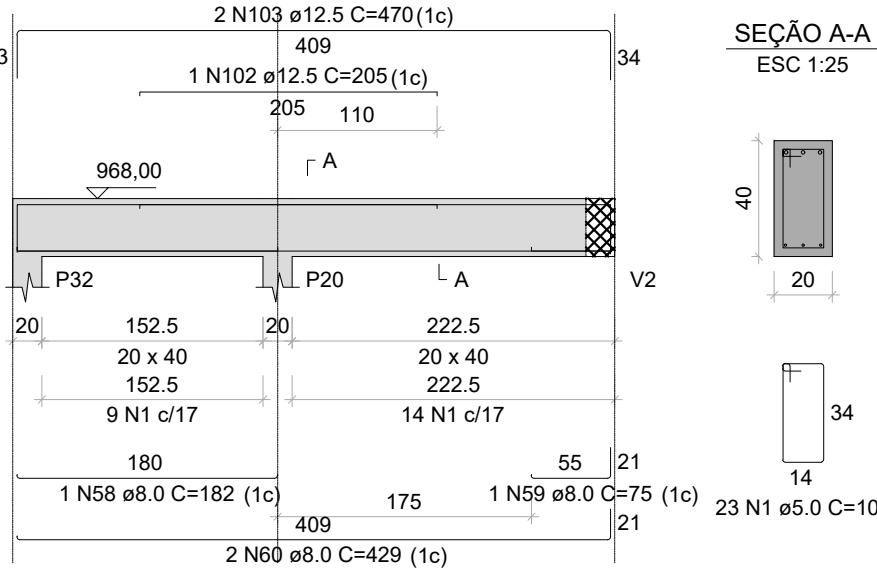
V45

ESC 1:50



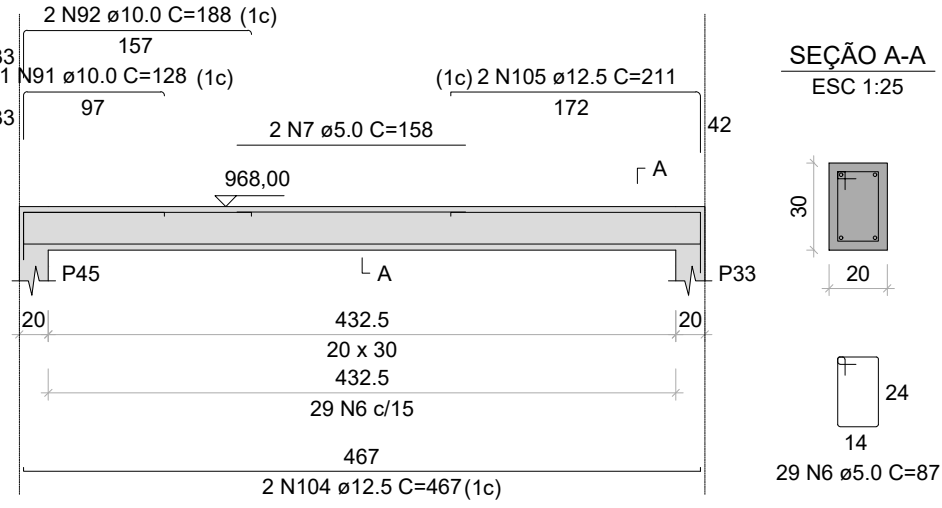
V46

ESC 1:50



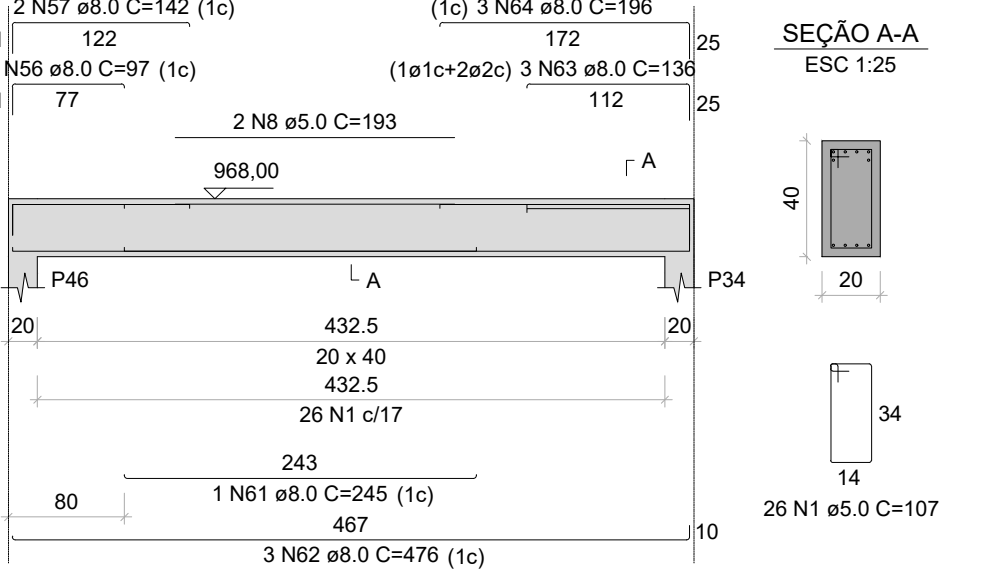
V47

ESC 1:50



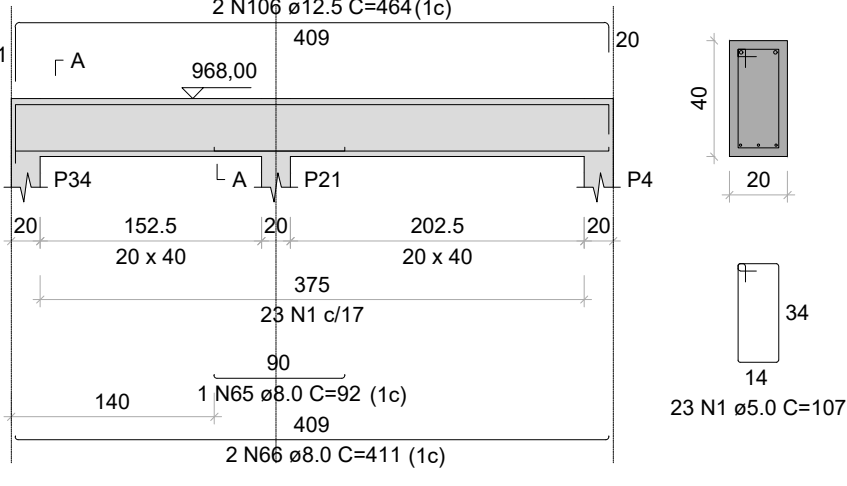
V48

ESC 1:50



V49

ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	567	107	60669
	2	5.0	2	130	260
	3	5.0	2	313	626
	4	5.0	2	365	730
	5	5.0	2	213	426
	6	5.0	2	87	2523
	7	5.0	2	158	316
	8	5.0	2	193	386
	9	6.3	6	corr	1830
	10	6.3	12	corr	6324
	11	6.3	6	corr	2982
	12	6.3	6	corr	3402
	13	6.3	6	corr	5652
	14	6.3	6	corr	3834
	15	6.3	6	corr	3210
	16	6.3	6	corr	1872
	17	8.0	1	202	202
	18	8.0	1	129	129
	19	8.0	2	656	1312
	20	8.0	3	117	351
	21	8.0	1	142	142
	22	8.0	2	165	330
	23	8.0	2	470	940
	24	8.0	1	250	250
	25	8.0	1	350	350
	26	8.0	2	619	1238
	27	8.0	3	346	1044
	28	8.0	2	157	314
	29	8.0	2	395	790
	30	8.0	2	314	628
	31	8.0	2	106	212
	32	8.0	2	141	282
	33	8.0	2	351	702
	34	8.0	2	203	406
	35	8.0	2	213	426
	36	8.0	2	148	296
	37	8.0	1	130	130
	38	8.0	2	499	998
	39	8.0	2	149	298
	40	8.0	2	437	874
	41	8.0	1	137	137
	42	8.0	2	485	970
	43	8.0	1	262	262
	44	8.0	1	342	342
	45	8.0	1	412	412
	46	8.0	1	648	1296
	47	8.0	1	111	111
	48	8.0	1	171	171
	49	8.0	1	446	892
	50	8.0	3	544	1632
	51	8.0	1	156	156
	52	8.0	1	327	654
	53	8.0	3	328	984
	54	8.0	1	126	126
	55	8.0	1	358	716
	56	8.0	2	97	194
	57	8.0	4	142	568
	58	8.0	1	162	162
	59	8.0	1	75	75
	60	8.0	2	429	858
	61	8.0	1	245	245
	62	8.0	3	476	1428
	63	8.0	3	136	408
	64	8.0	3	196	588
	65	8.0	1	92	92
	66	8.0	2	411	822
	67	10.0	1	148	148
	68	10.0	2	193	386
	69	10.0	4	537	2148
	70	10.0	3	187	561
	71	10.0	1	136	136
	72	10.0	2	226	452
	73	10.0	1	329	329
	74	10.0	2	583	1166
	75	10.0	2	162	324
	76	10.0	2	207	414
	77	10.0	1	314	314
	78	10.0	2	952	1904
	79	10.0	1	138	138
	80	10.0	3	198	594
	81	10.0	2	258	516
	82	10.0	1	291	291
	83	10.0	1	376	376
	84	10.0	1	436	436
	85	10.0	1	496	496
	86	10.0	2	658	1316
	87	10.0	3	177	531
	88	10.0	3	177	531
	89	10.0	1	289	289
	90	10.0	2	477	954
	91	10.0	1	128	128
	92	10.0	2	188	376
	93	12.5	2	200	400
	94	12.5	1	168	168
	95	12.5	2	248	496
	96	12.5	1	169	169
	97	12.5	2	249	498
	98	12.5	2	184	368
	99	12.5	2	234	468
	100	12.5	2	508	1016
	101	12.5	2	191	382
	102	12.5	1	205	205
	103	12.5	2	470	940
	104	12.5	2	467	934
	105	12.5	2	211	422
	106	12.5	2	464	928
	107	16.0	2	289	578

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	292	78.6
	8.0	279.3	121.2
	10.0	159.1	107.9
	12.5	73.9	78.4
	16.0	5.8	10
CA60	5.0	659.4	111.8
PESO TOTAL (kg)			
CA50		396.1	
CA60		111.8	

Volume de concreto fck 3,0N/cm² (C-30) = 6.82 m³
Área de forma = 60.95 m²

06	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	ATACIZIO
REVISÃO	DATA	DESCRIÇÃO	RESP.
EMPRESA	MARKA ARQUITETURA E ENGENHARIA LTDA	ESPECIALIDADE	ESTRUTURAL
	RUA PROFESSOR ABEYARD, 279, SALA 9	FASE DO PROJETO	EXECUTIVO
	CENTRO, SETE LAGOAS/MG	RESPONSÁVEL PROJETO	JOSÉ ATACIZIO DA FE
	apoio@markaprojetos.com.br	COORDENADOR PROJETO	KARINE NARDY
	(31) 3177-4235	PROJETISTA	JOSÉ ATACIZIO DA FE
	www.markaprojetos.com.br	ASSUNTO	PROJETO DE ESTRUTURAS DE CONCRETO
		ESCALA	Nº FOLHA
		INDICADA	21/11/22
		DATA	16
		ARQUIVO	