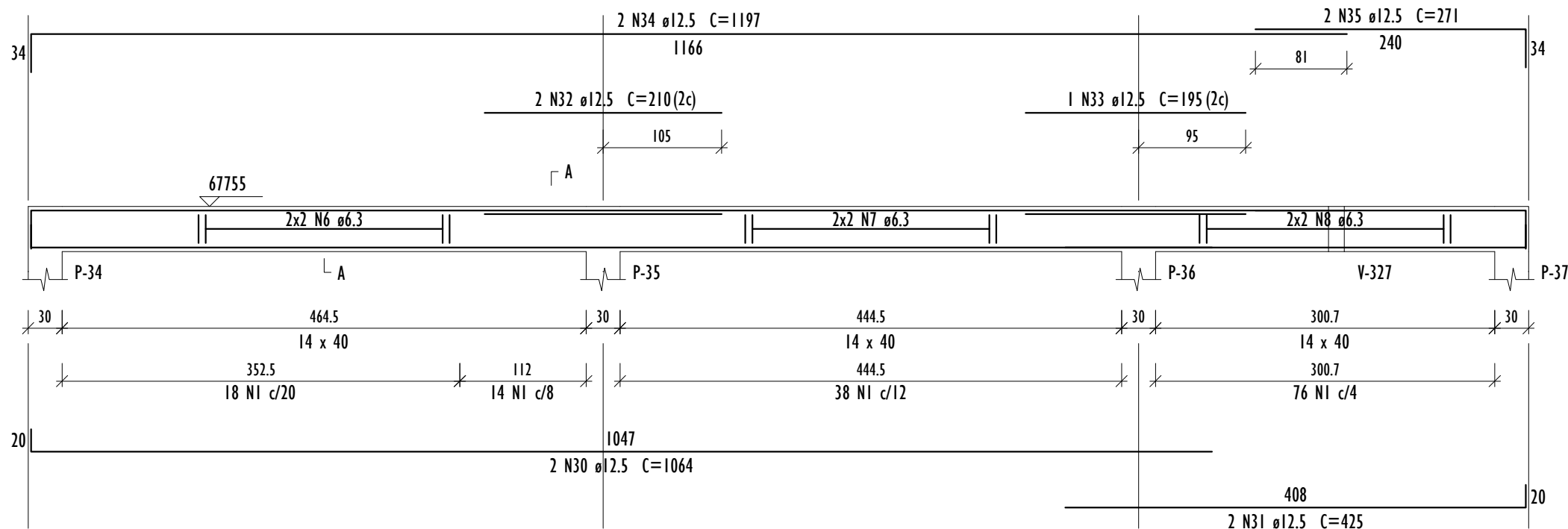


PROJETO ESTRUTURAL - UBS VALADARES

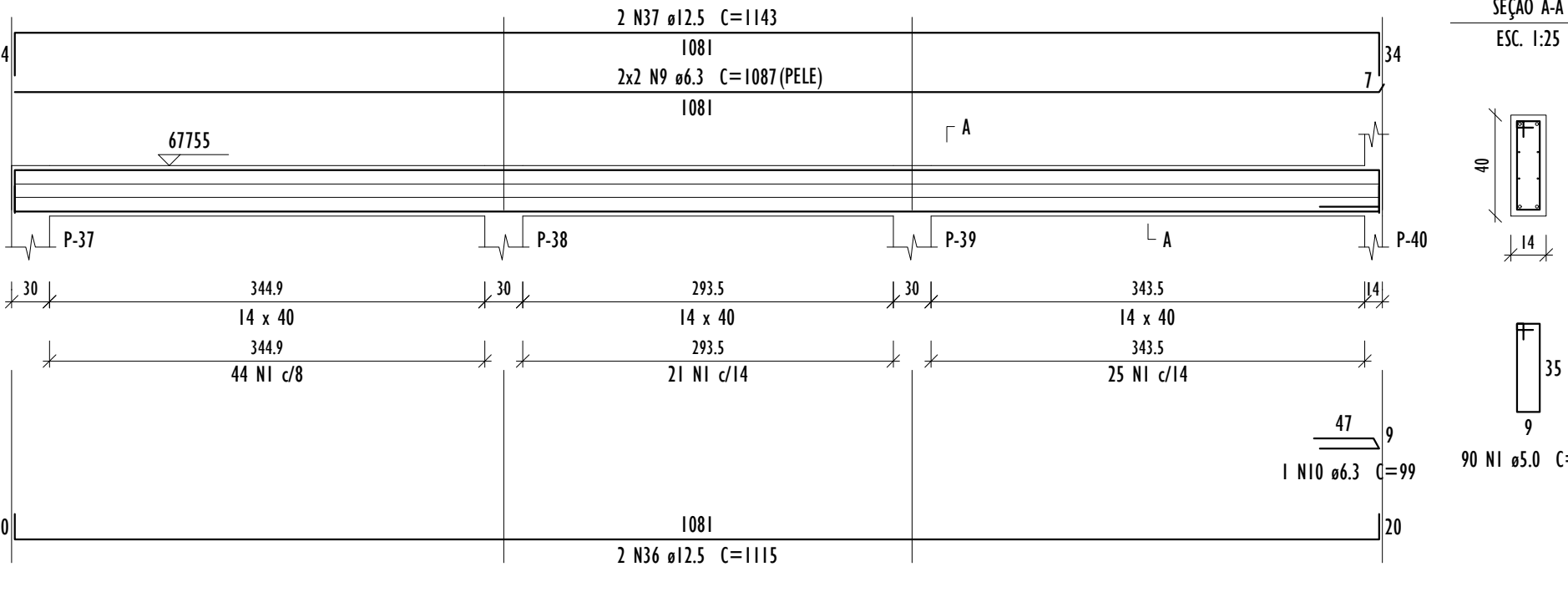
V-316 (14 x 40)

ESC. 1:50



V-317 (14 x 40)

ESC. 1:50



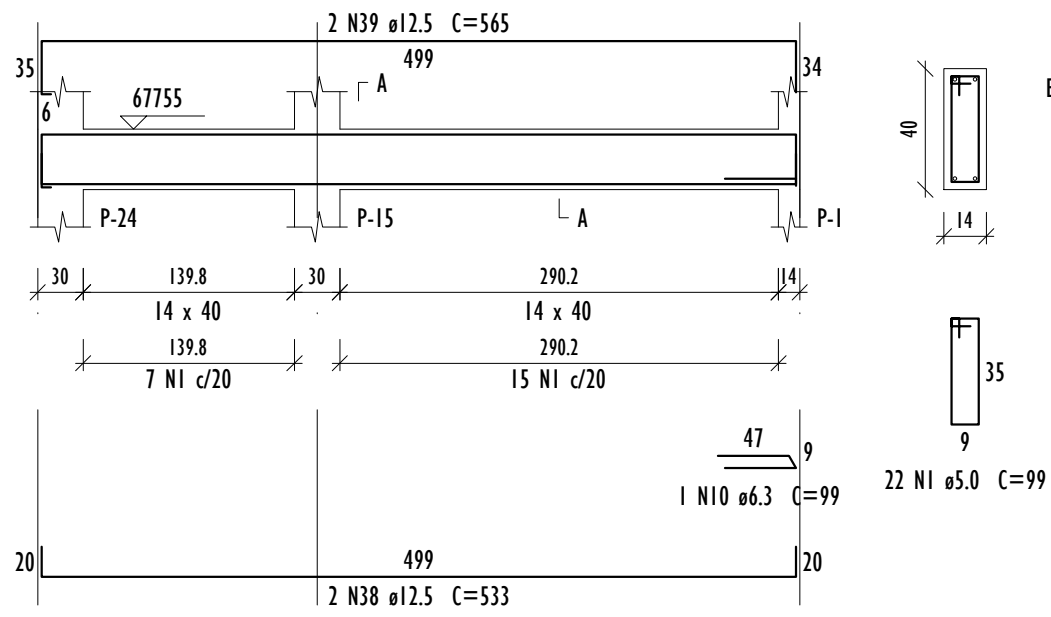
Relação do aço

V-316	V-317	V-318
V-319	V-320	V-321
V-322	V-323	V-324
V-325	V-326	V-327
V-328	V-329	V-330
V-331	V-332	V-333
V-334		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	451	99	44649
	2	5.0	140	53	7420
	3	5.0	22	71	1562
	4	5.0	4	79	316
	5	5.0	42	51	2142
CASO	6	6.3	4	CORR	2080
	7	6.3	4	CORR	2000
	8	6.3	4	CORR	1424
	9	6.3	4	1087	4348
	10	6.3	2	99	198
	11	6.3	26	103	2678
	12	6.3	4	432	1728
	13	8.0	9	117	1053
	14	8.0	4	100	400
	15	8.0	4	113	452
	16	8.0	2	493	986
	17	8.0	4	121	484
	18	8.0	1	102	102
	19	8.0	5	108	540
	20	10.0	24	63	1512
	21	10.0	4	464	1856
	22	10.0	1	152	152
	23	10.0	6	492	2952
	24	10.0	8	356	2848
	25	10.0	8	384	3072
	26	10.0	20	91	1820
	27	10.0	2	634	1268
	28	10.0	1	155	155
	29	10.0	2	662	1324
	30	12.5	2	1064	2128
	31	12.5	2	425	850
	32	12.5	2	210	420
	33	12.5	1	195	195
	34	12.5	2	1197	2394
	35	12.5	2	271	542
	36	12.5	2	1115	2230
	37	12.5	2	1143	2286
	38	12.5	2	533	1066
	39	12.5	2	565	1130
	40	12.5	4	463	1852
	41	12.5	2	355	710
	42	12.5	2	390	780

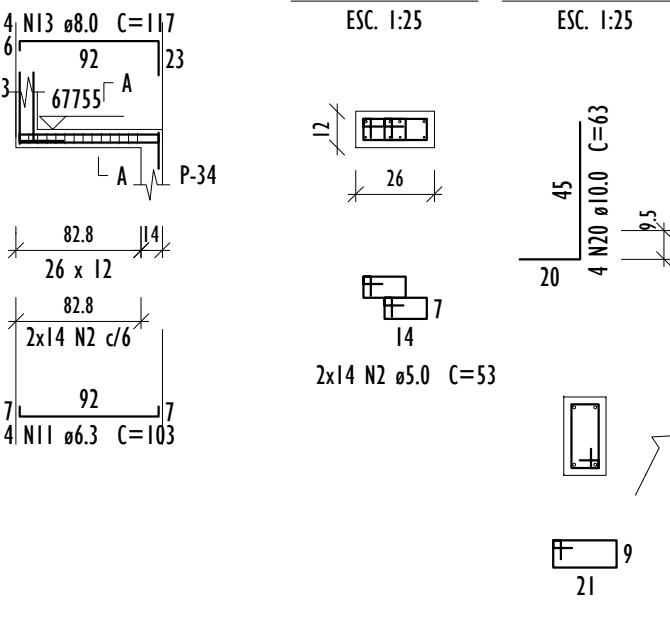
V-318 (14 x 40)

ESC. 1:50



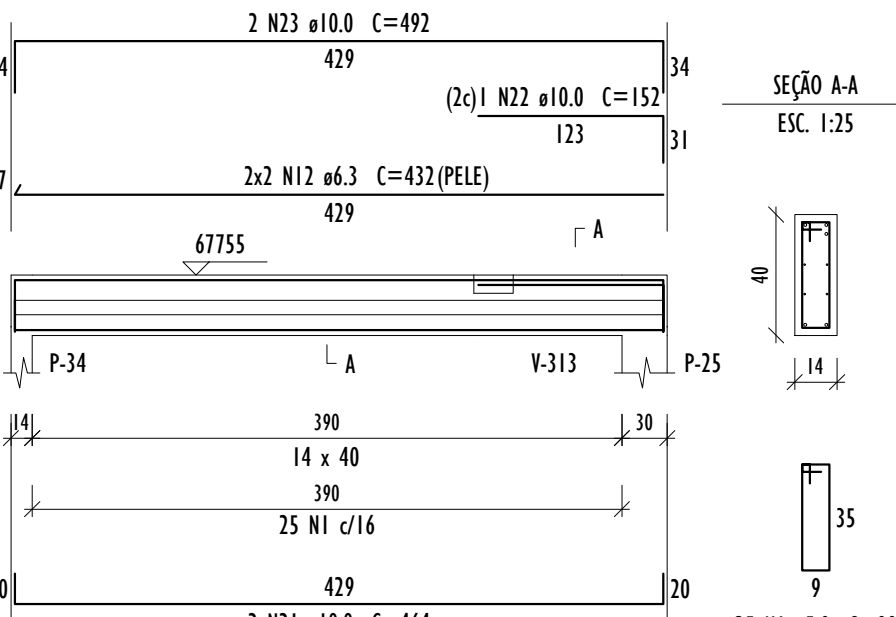
V-319 (26 x 12)

ESC. 1:50



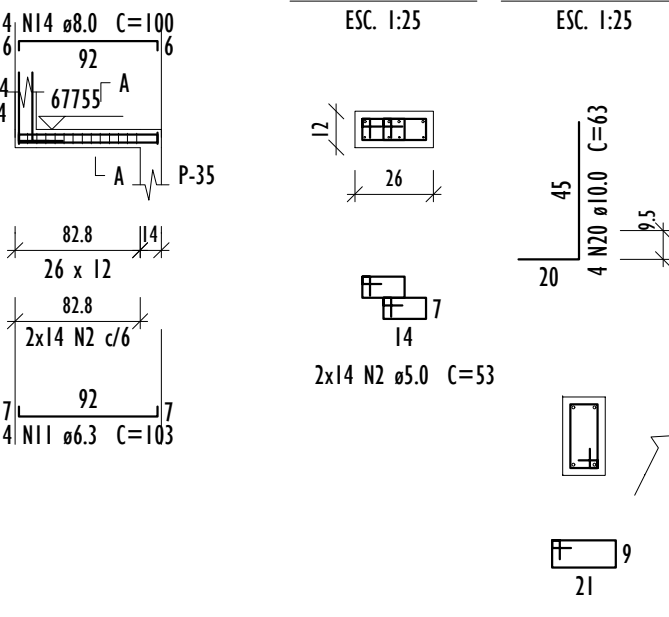
V-320 (14 x 40)

ESC. 1:50



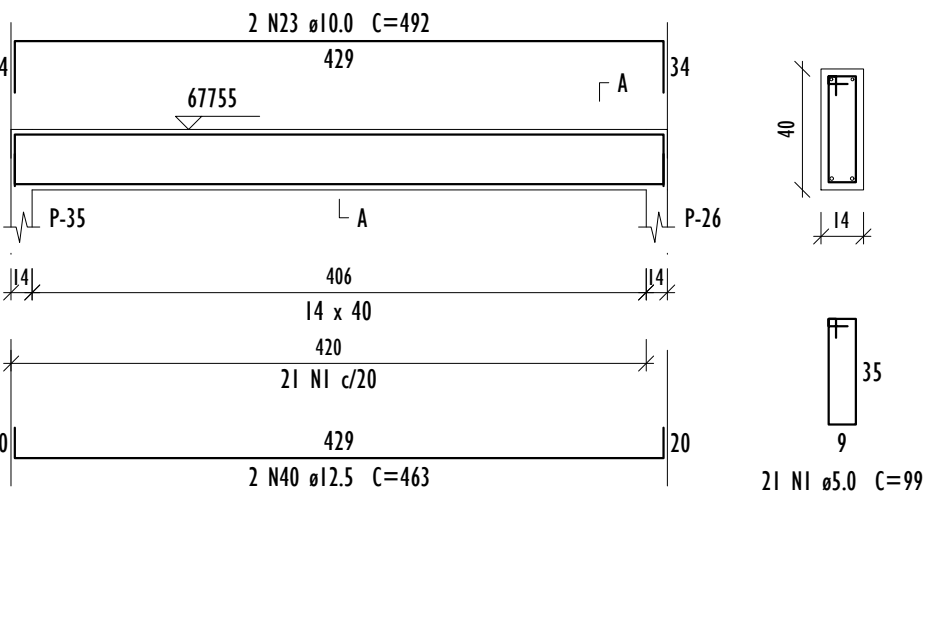
V-321 (26 x 12)

ESC. 1:50



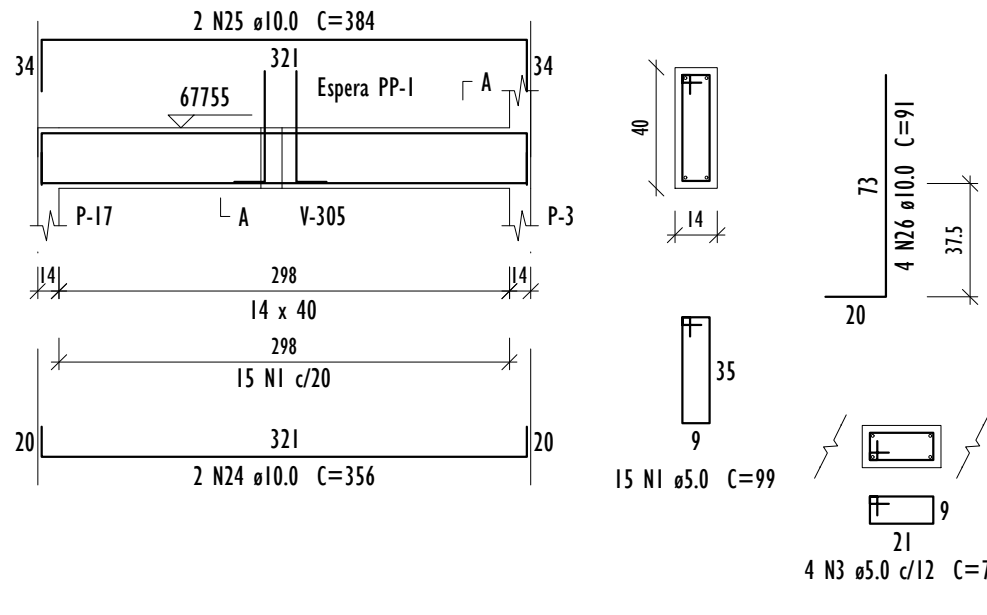
V-322 (14 x 40)

ESC. 1:50



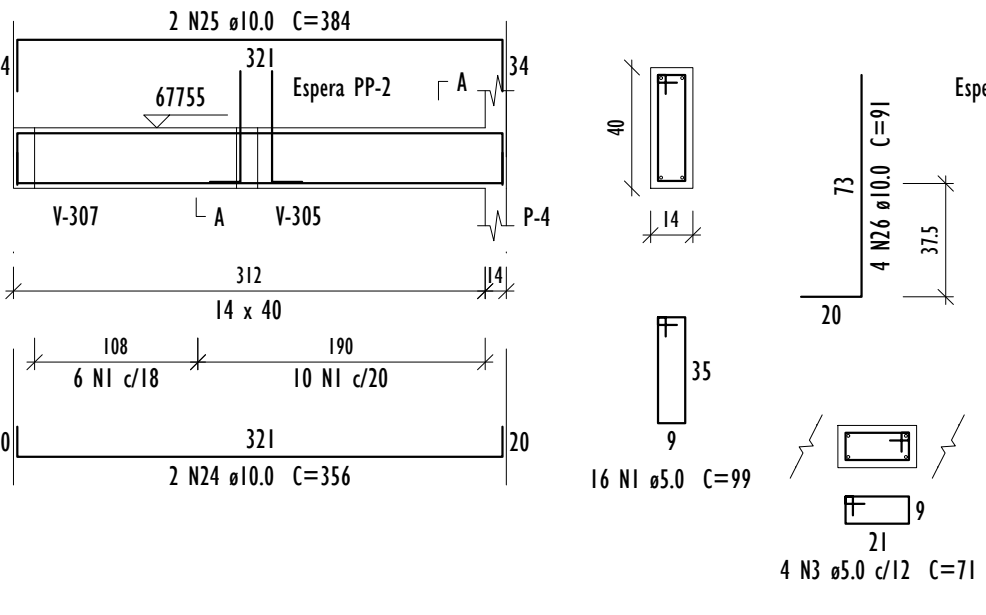
V-323 (14 x 40)

ESC. 1:50



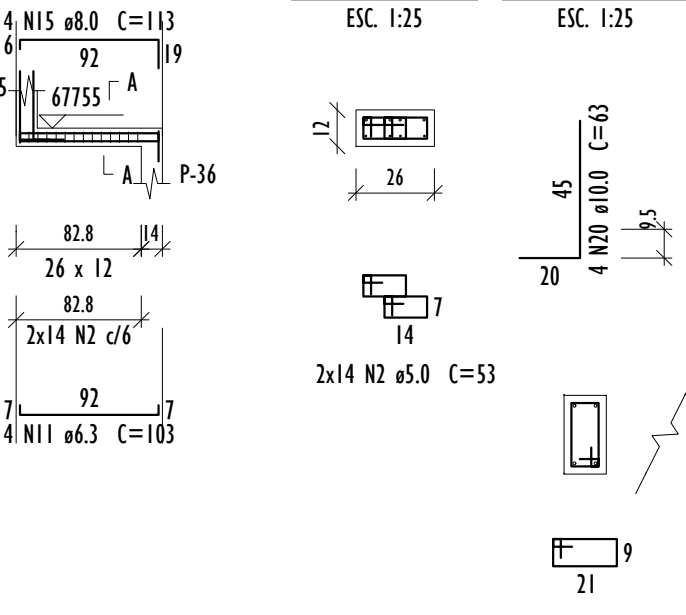
V-324 (14 x 40)

ESC. 1:50



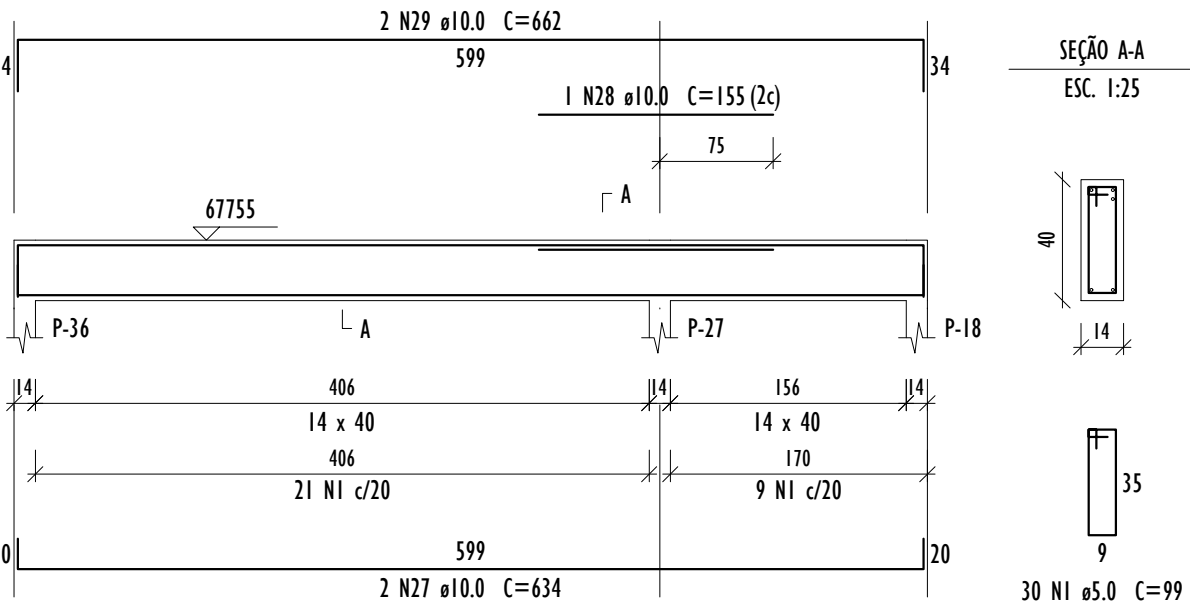
V-325 (26 x 12)

ESC. 1:50



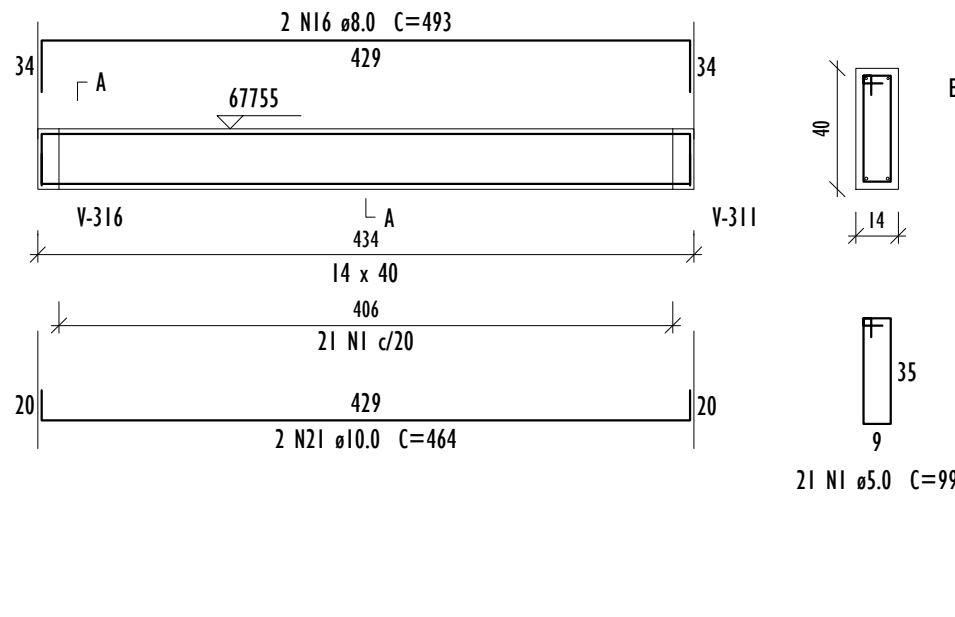
V-326 (14 x 40)

ESC. 1:50



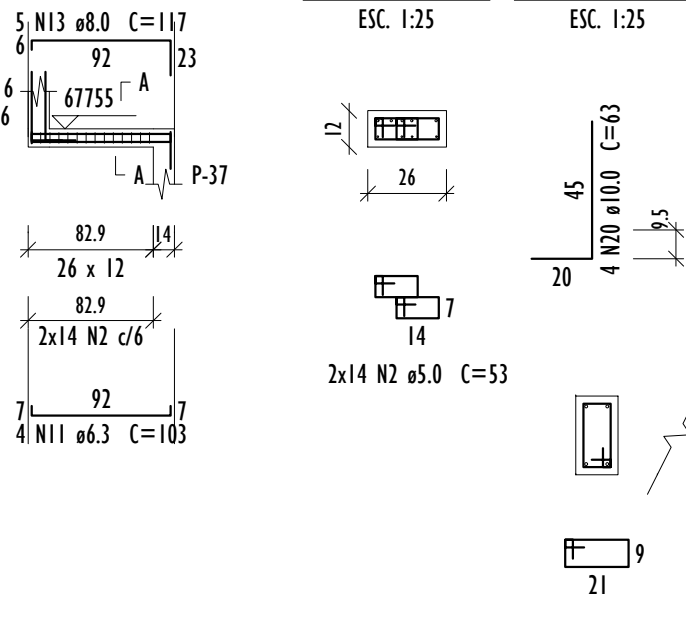
V-327 (14 x 40)

ESC. 1:50



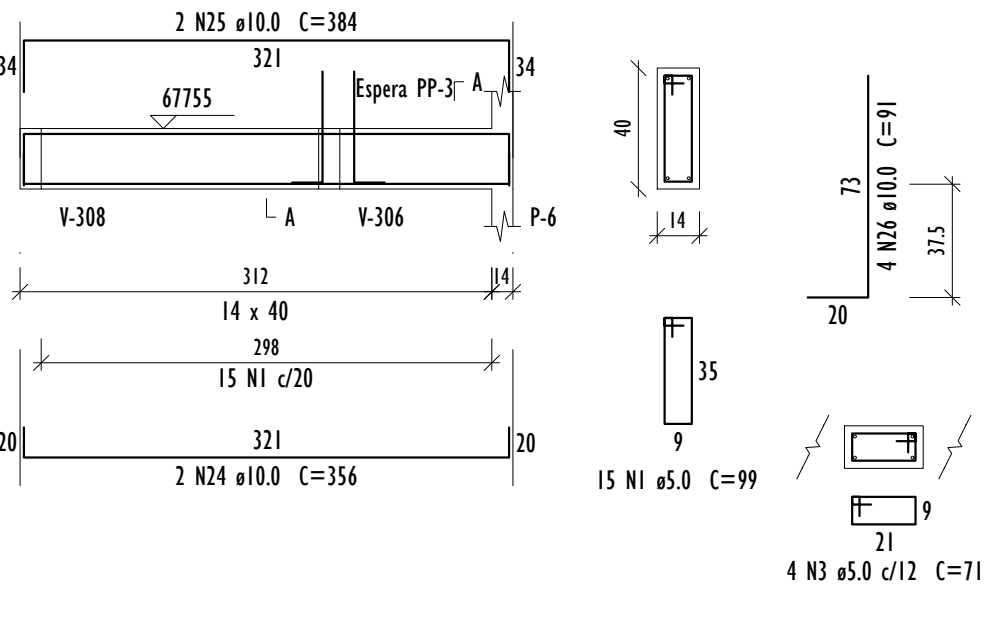
V-328 (26 x 12)

ESC. 1:50



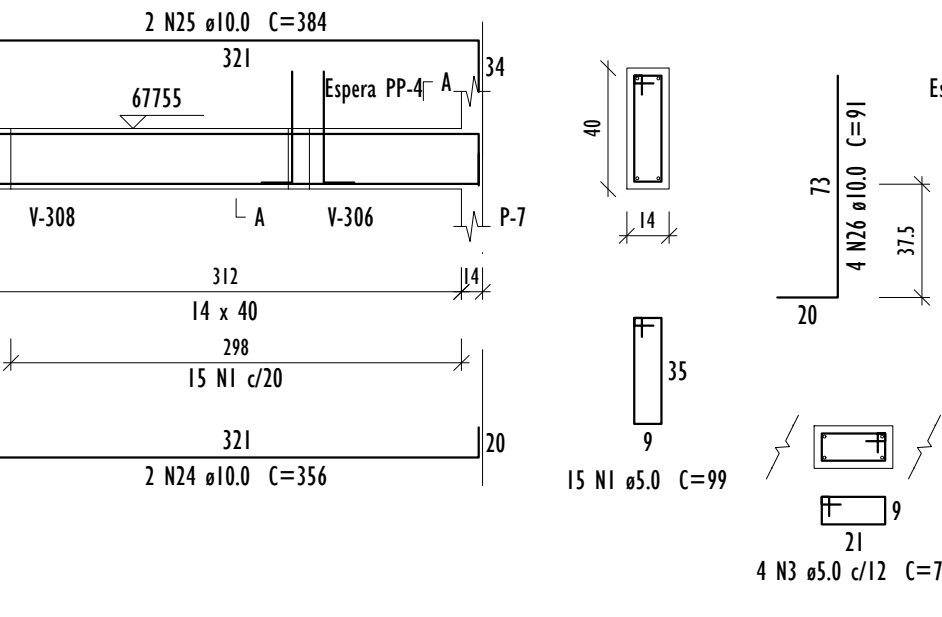
V-329 (14 x 40)

ESC. 1:50



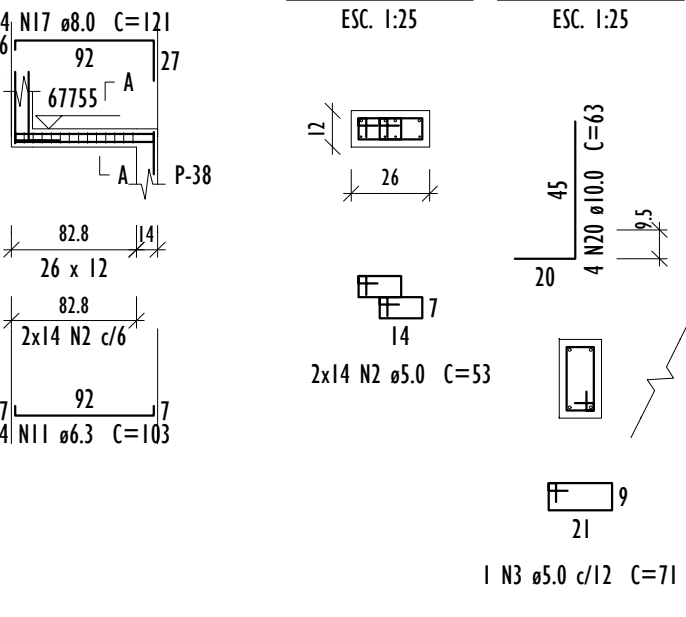
V-330 (14 x 40)

ESC. 1:50



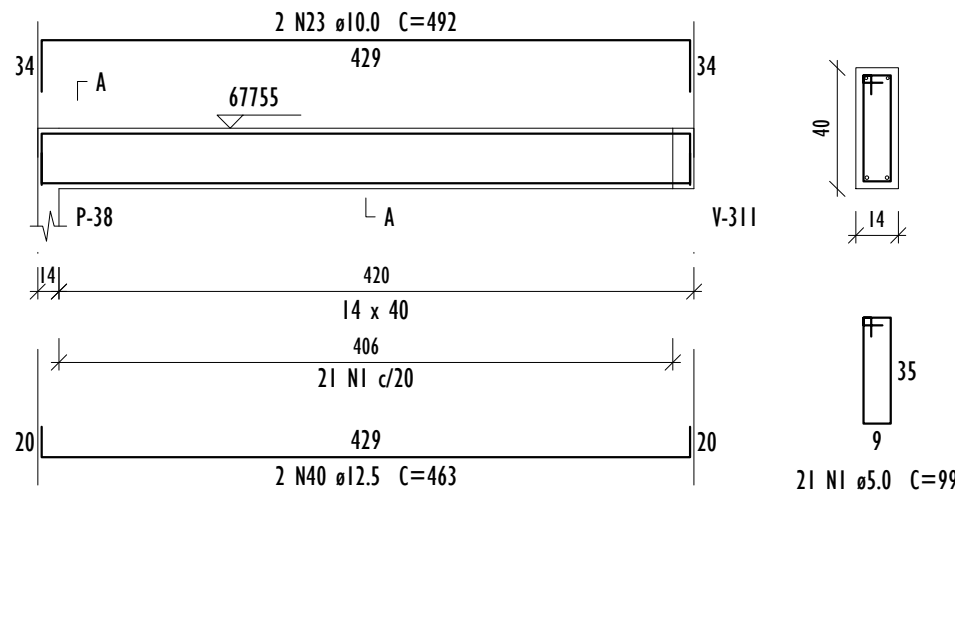
V-331 (26 x 12)

ESC. 1:50



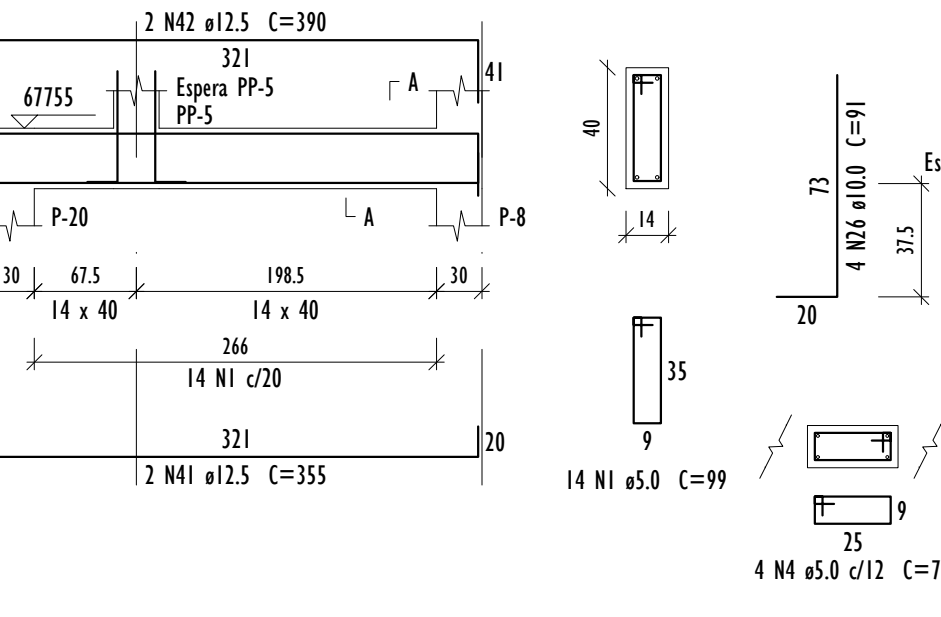
V-332 (14 x 40)

ESC. 1:50



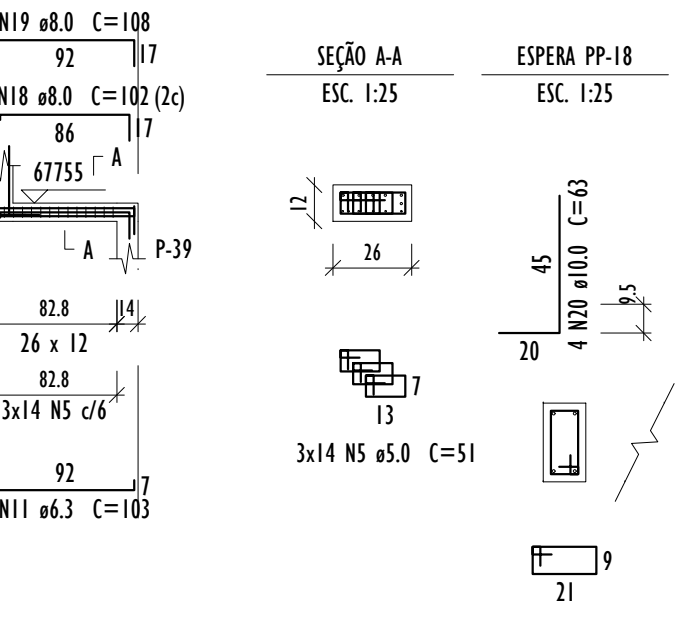
V-333 (14 x 40)

ESC. 1:50



V-334 (26 x 12)

ESC. 1:50



DETALHAMENTO DE VIGAS (NÍVEL 677.55)

ESCALA INDICADA

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CASO	6.3	144.6	13	35.4
	8.0	40.2	4	15.9
	10.0	169.6	15	104.6
	12.5	165.9	14	159.8
CA60	5.0	560.9	47	86.5
PESO TOTAL (kg)				
CASO		315.5		
CA60		86.5		

Volume de concreto (C-30) = 3.67 m³
Área de forma = 46.75 m²

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
03	ATUALIZAÇÃO PLANTA DE SITUAÇÃO	08/2026	RF	LS	SL
02	REVISÃO DETALHAMENTO BLOCOS	07/2026	RF	LS	SL
01	REVISÃO DE PROJETO	06/2026	RF	LS	SL
00	EMIÇÃO INICIAL	05/2026	RF	LS	SL
CONTRATADA:		Nº: Sinval Ladeira REG. CRE: 28.498/D Ass: SINVAL LADEIRA/1379924762 2			
CONTRATANTE:		PREFEITURA MUNICIPAL DE JUIZ DE FORA			
ENDEREÇO:		JUIZ DE FORA/MG			
PROGRAMA:		UBS VALADARES			
TÍTULO E CONTEÚDO:		PROJETO EXECUTIVO ESTRUTURAL DETALHAMENTO DE VIGAS NÍVEL 677,55 - PARTE 02/03			
DATA:	MAIO/2026	ESCALA:	INDICADA	FOLHA:	19/23
ARQUIVO:	ESTC-PE-JF691-MLDR-052026-803				