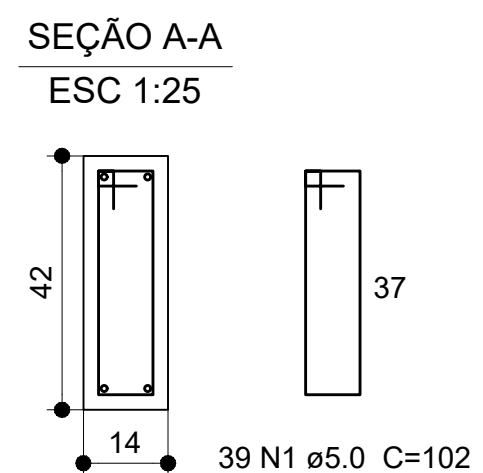
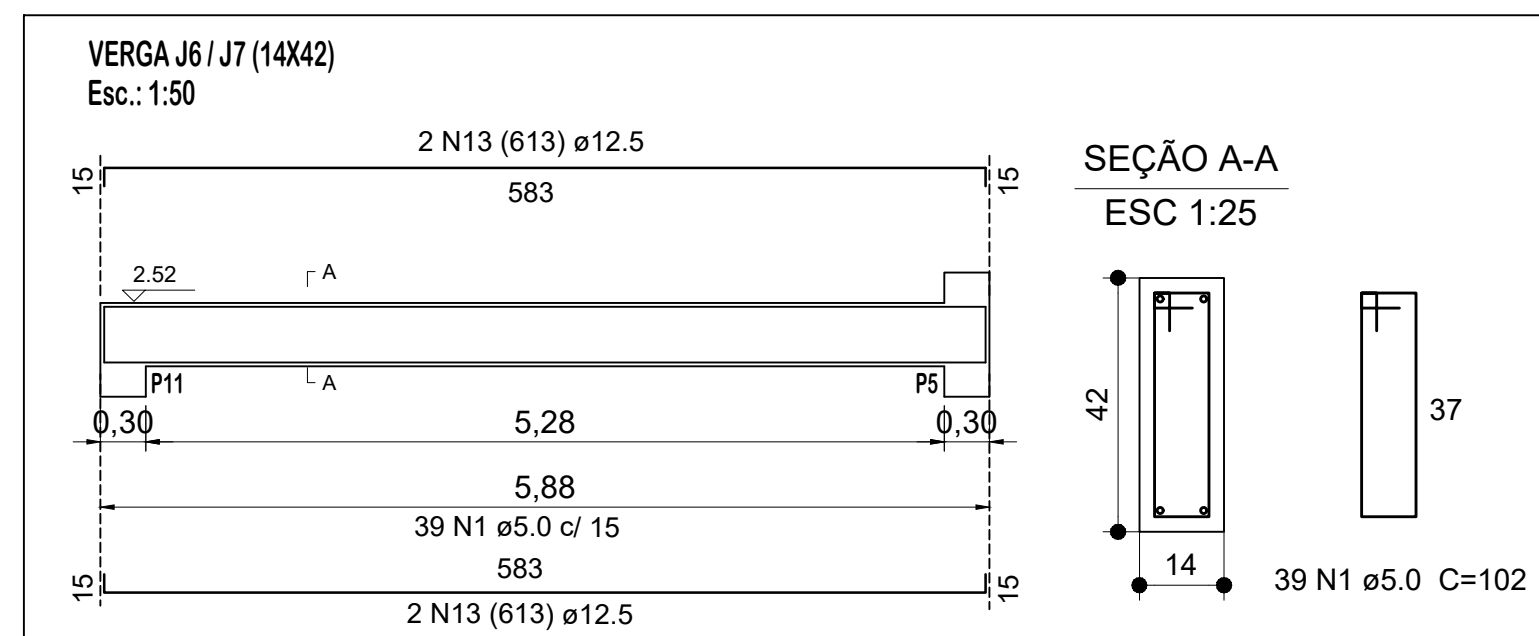
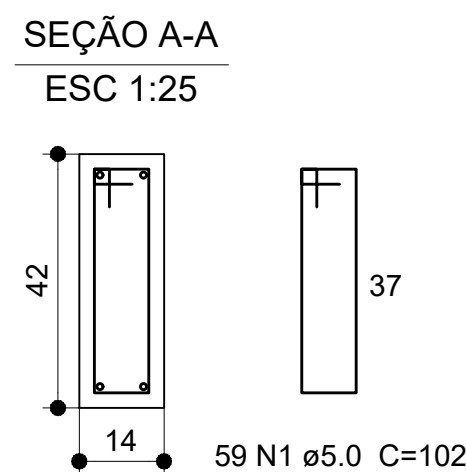
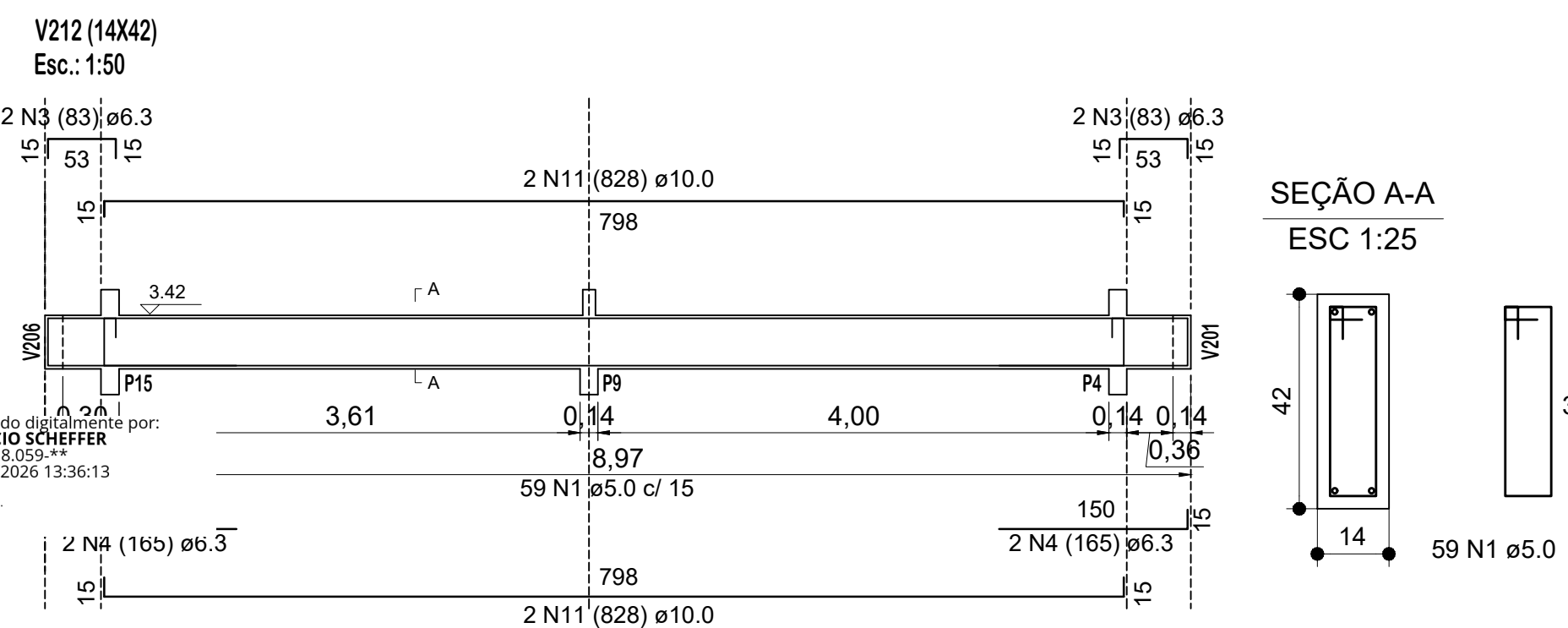
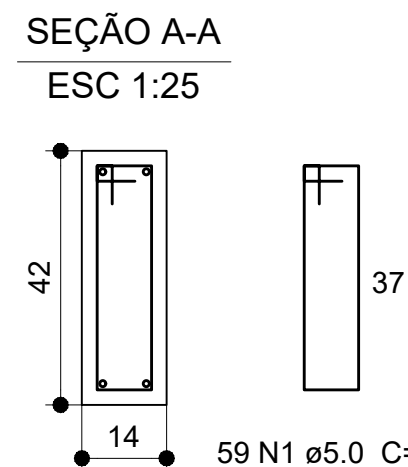
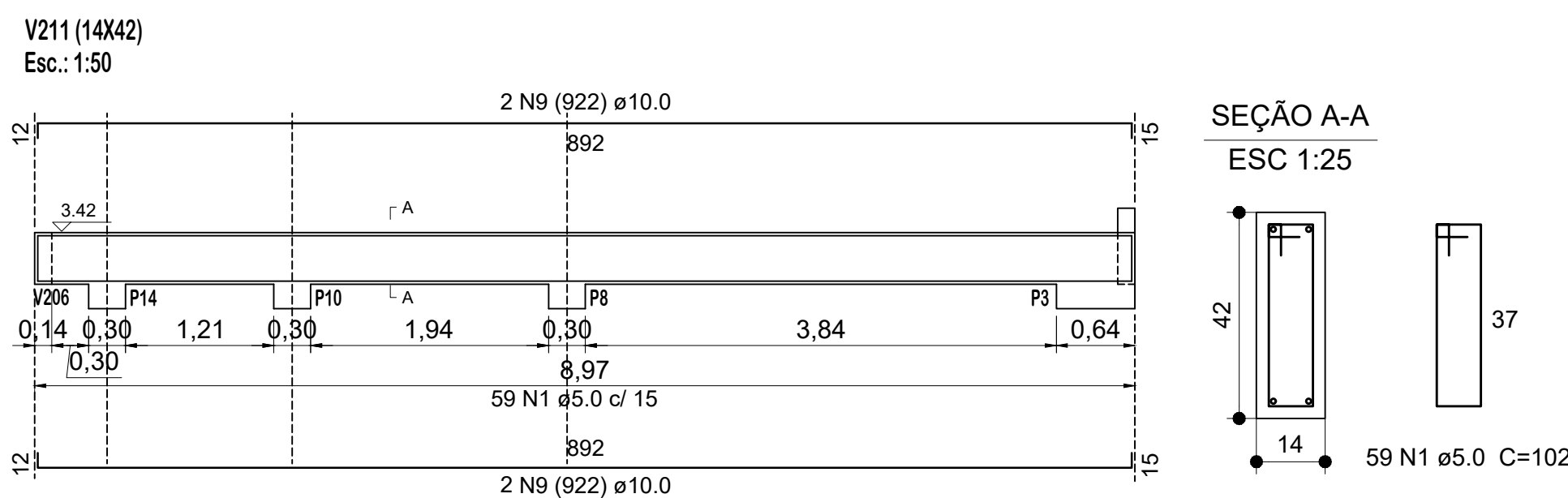
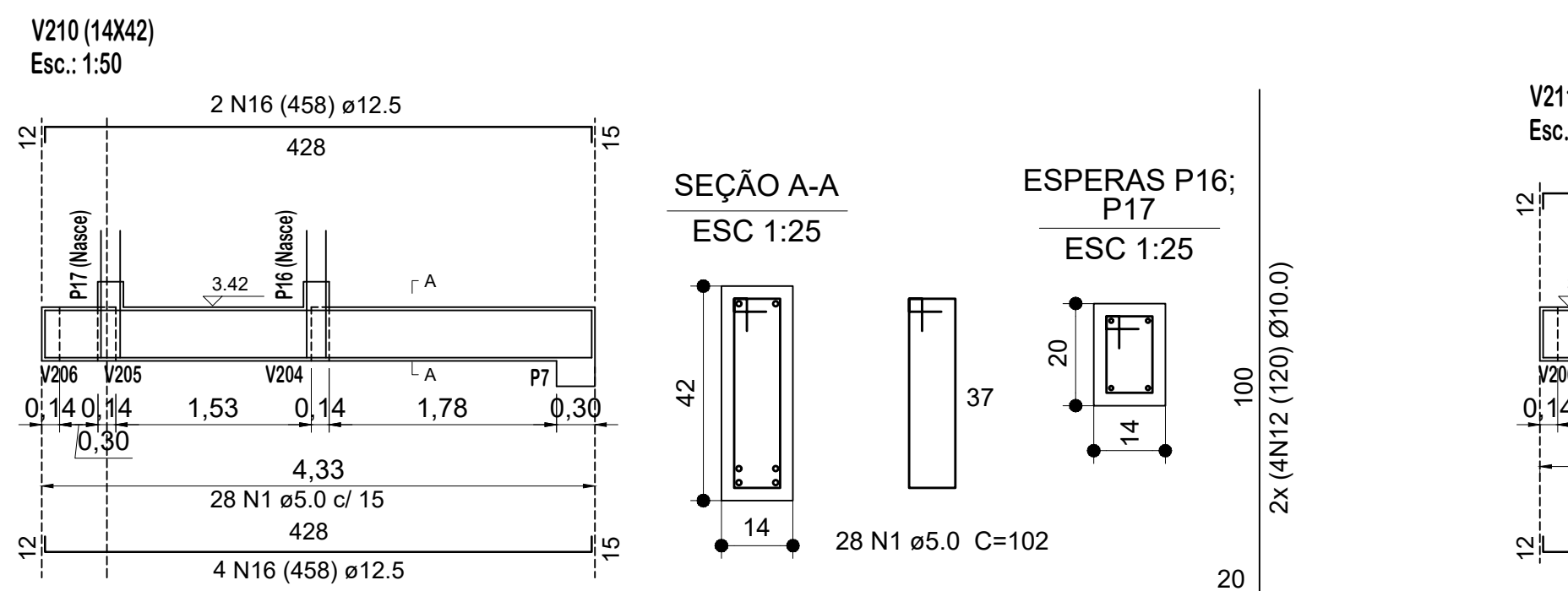
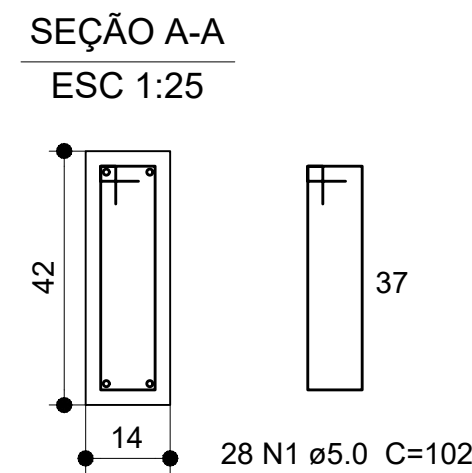
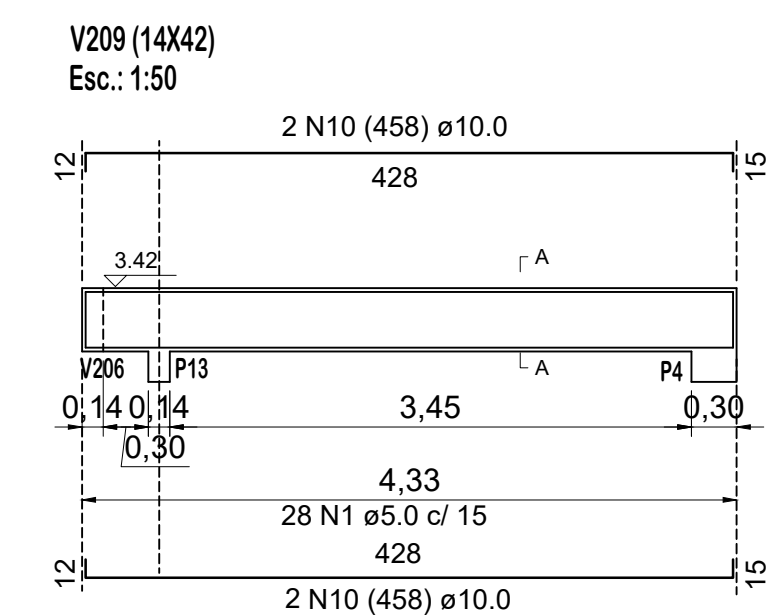
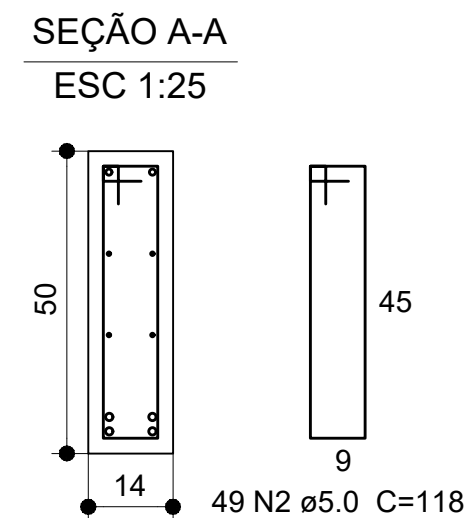
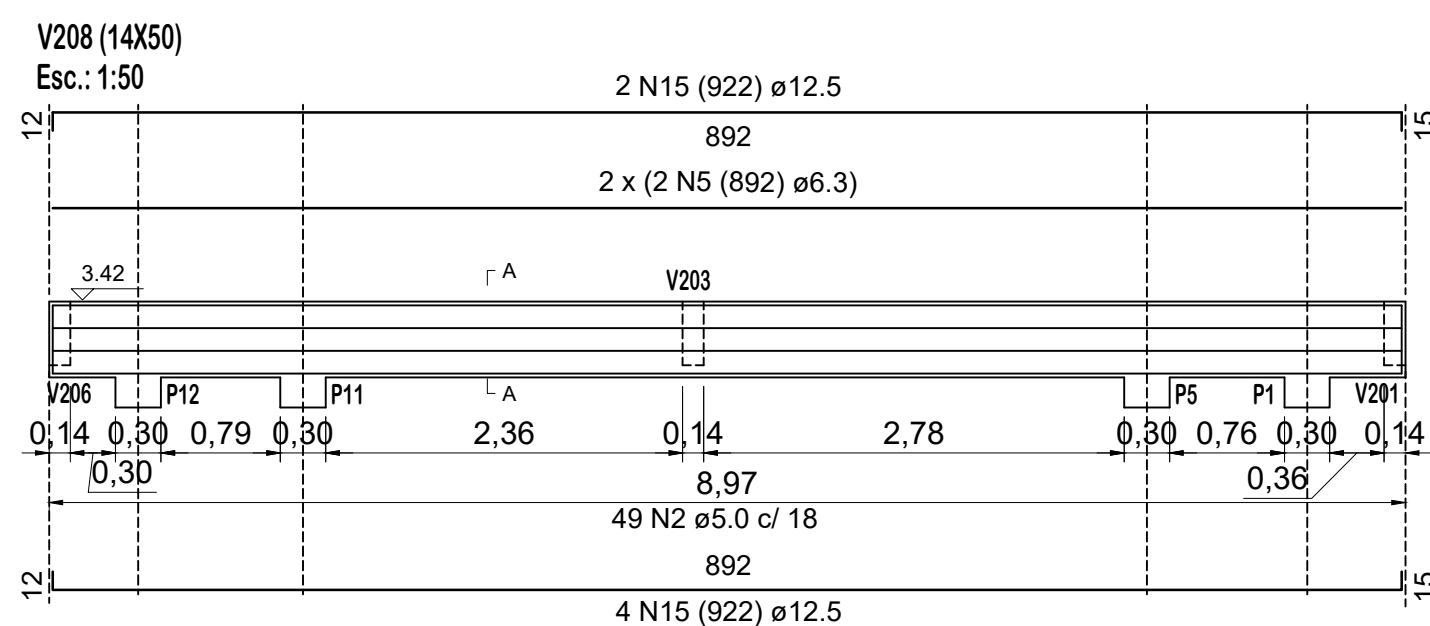
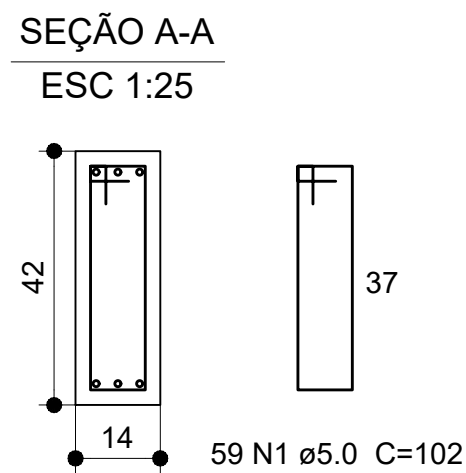
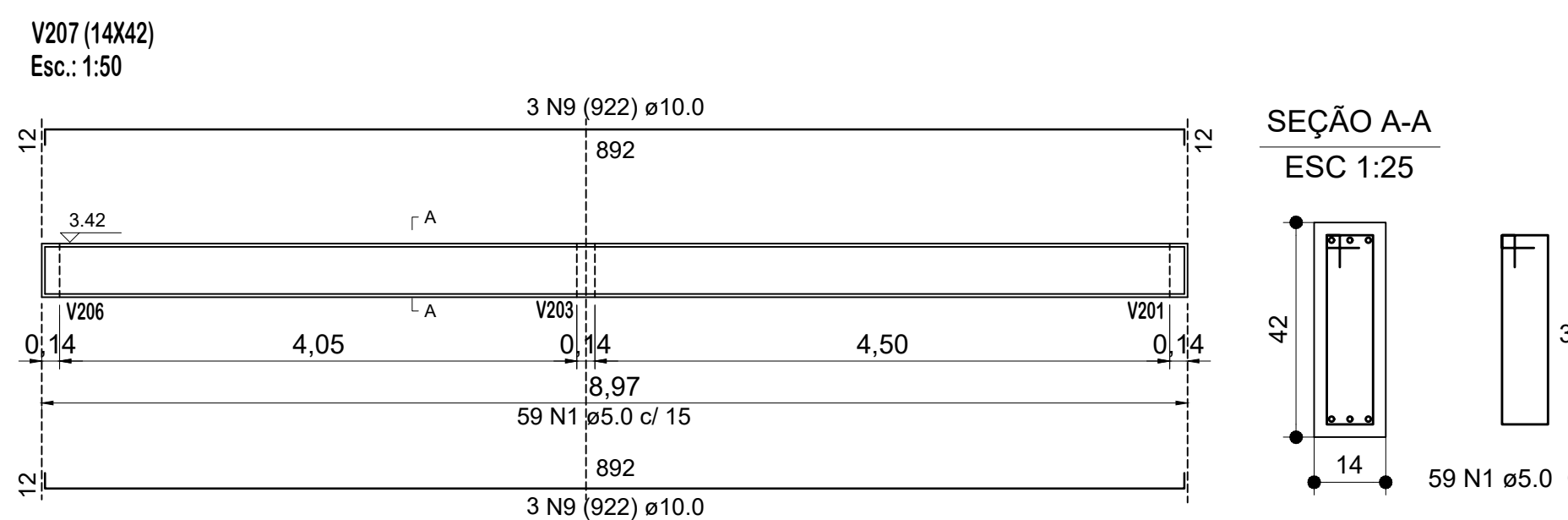
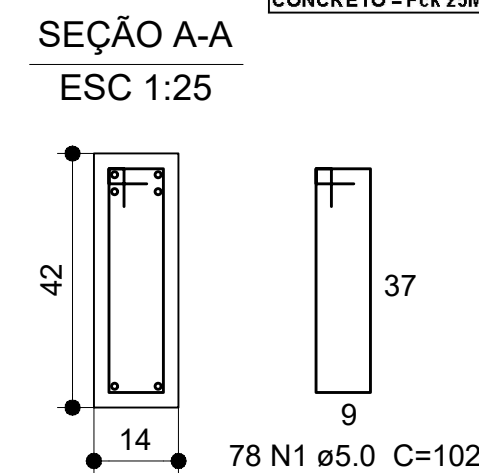
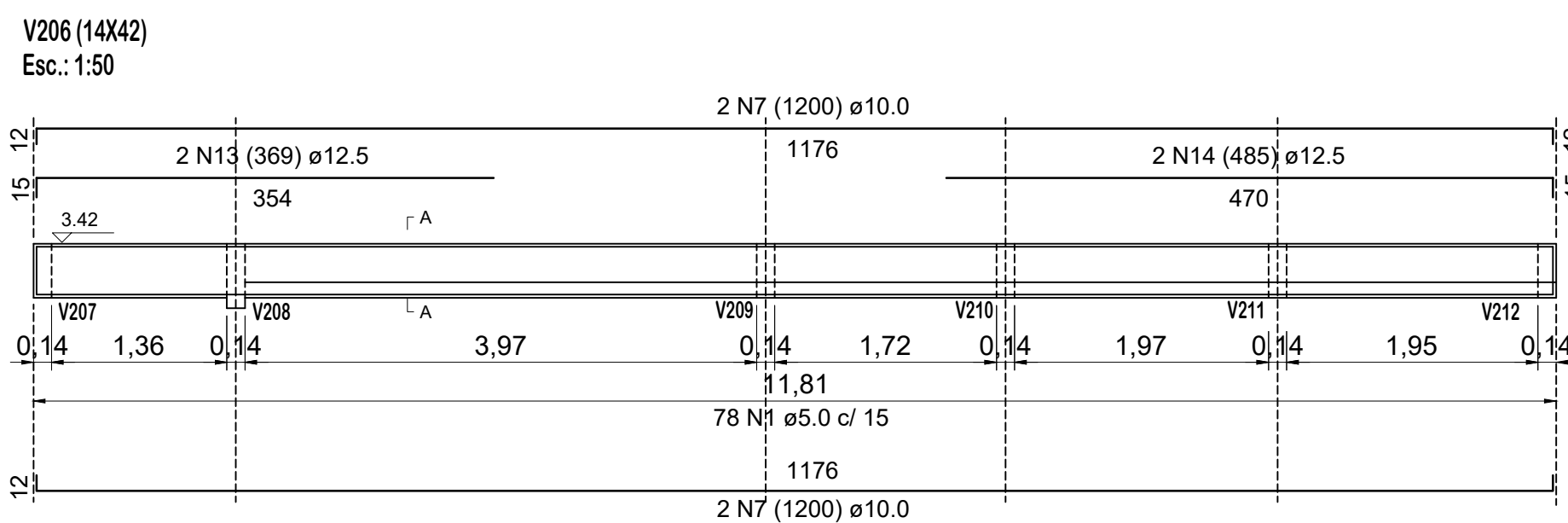
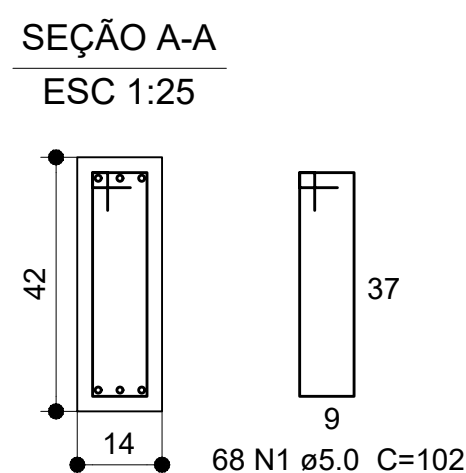
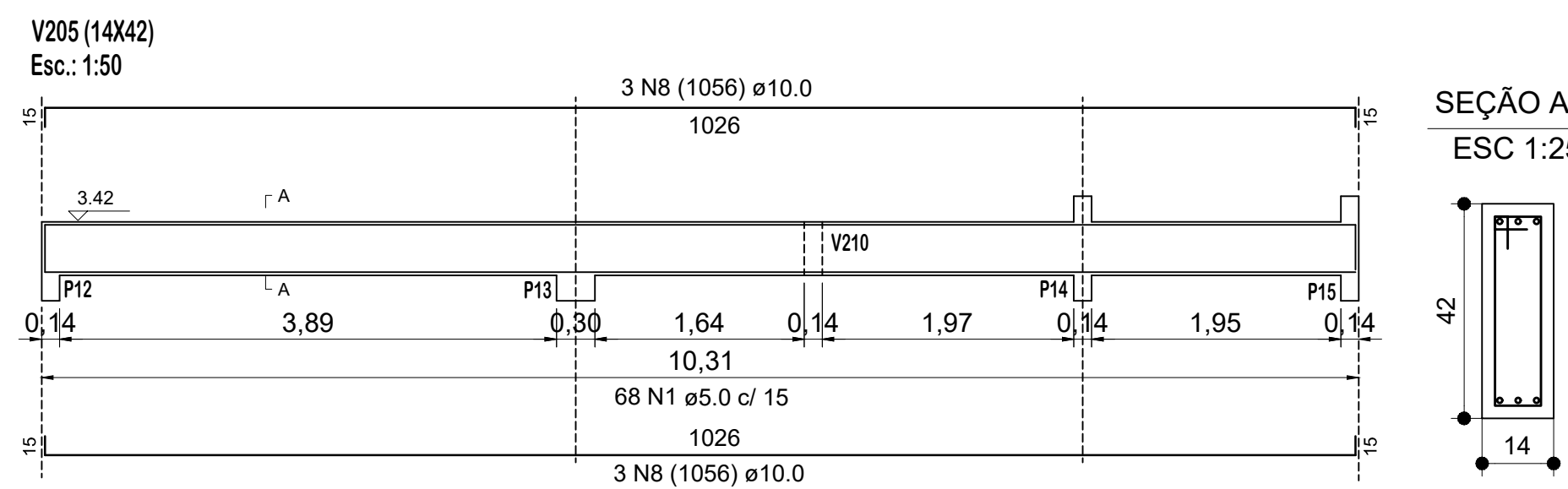
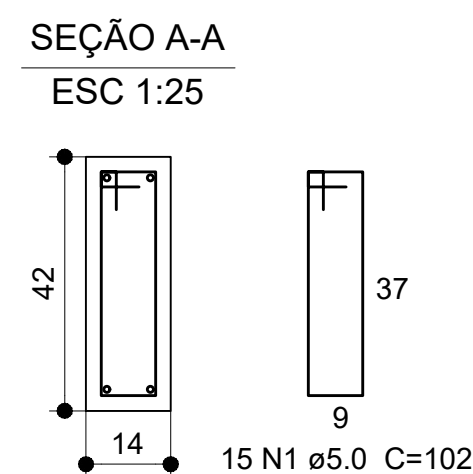
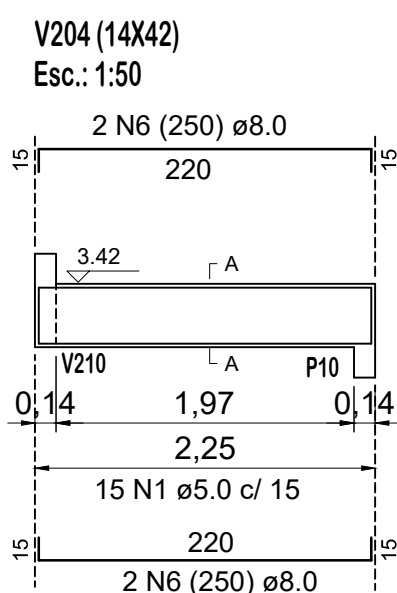
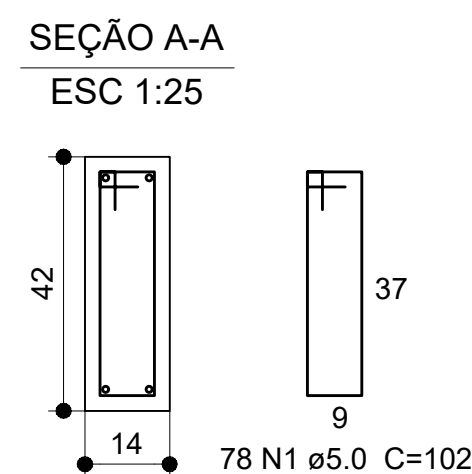
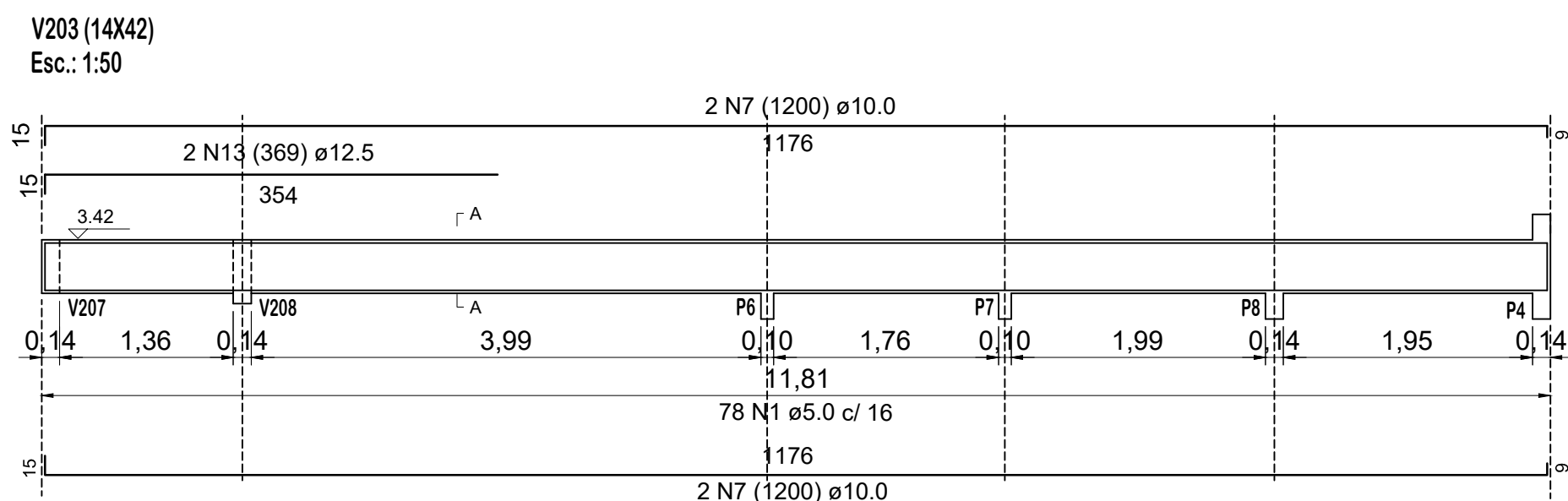
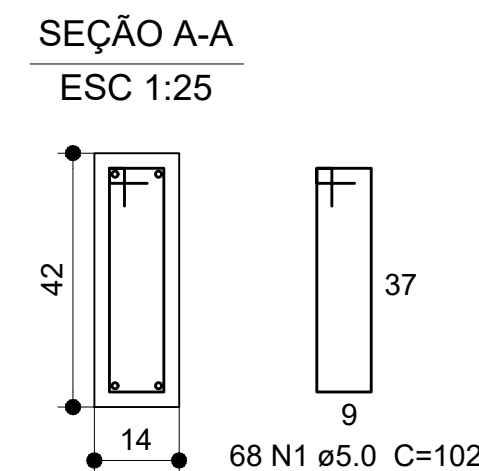
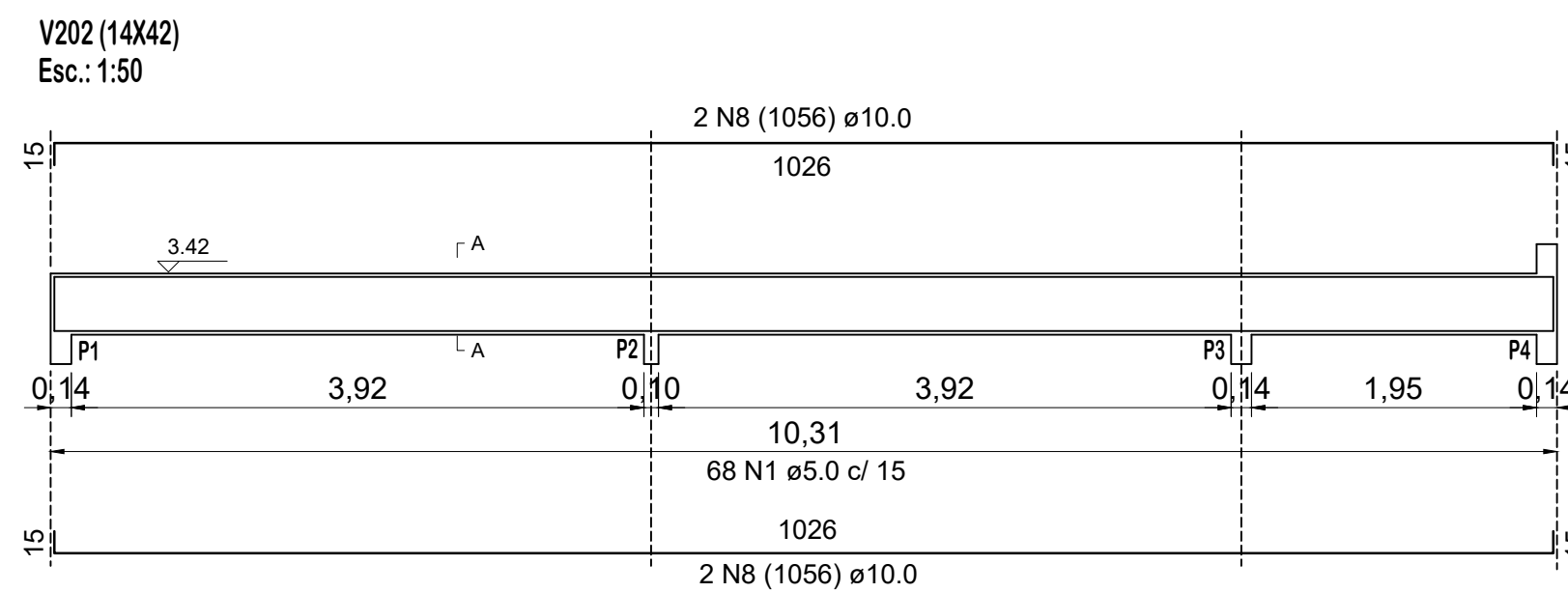
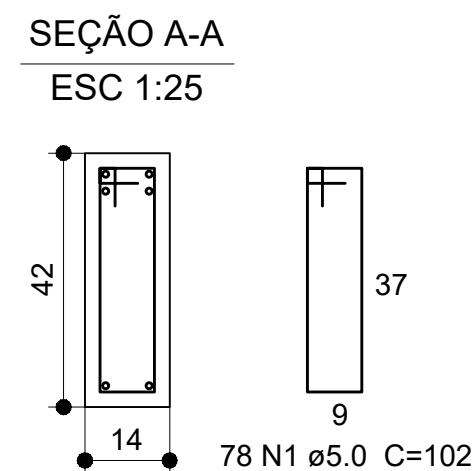
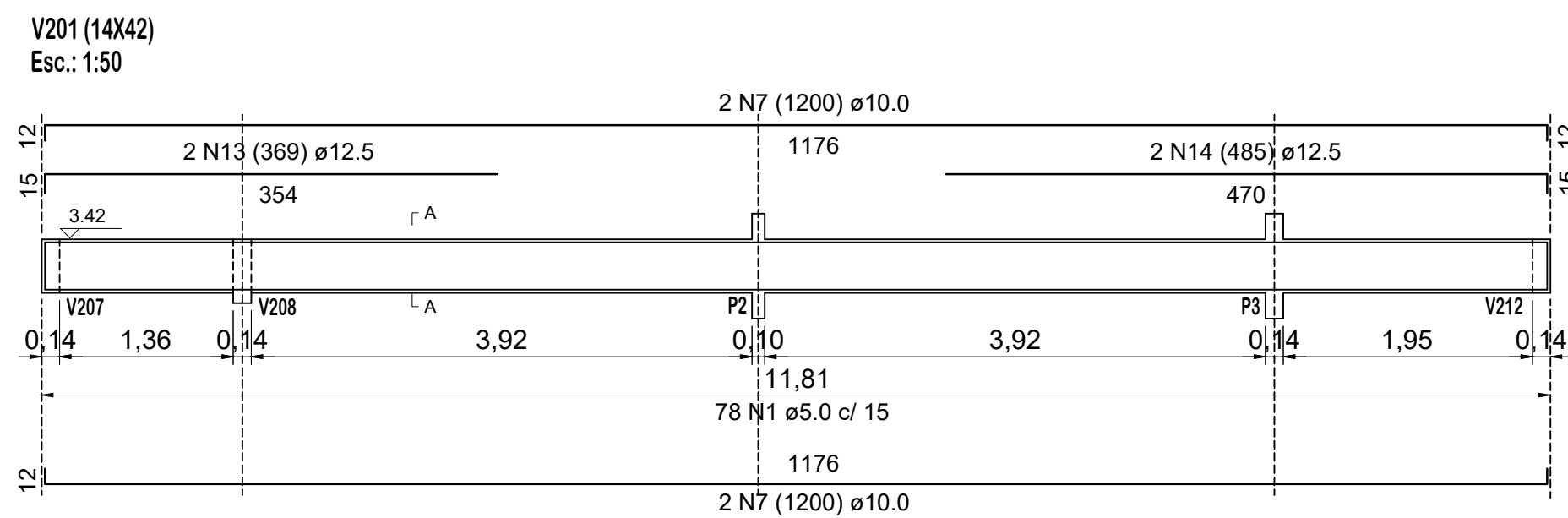




RELAÇÃO DO AÇO - VIGAS N200					
AÇO	N	DIÂMETRO	QUANTIDADE	C. UNIT. (m)	C. TOTAL (m)
CA60	1	5,0	1377	1,02	1404,54
	2	5,0	49	1,18	57,82
	3	6,3	4	0,83	3,32
	4	6,3	4	1,85	6,60
	5	6,3	4	8,92	35,68
	6	8,0	4	2,5	10,00
	7	10,0	12	12	144,00
	8	10,0	10	10,56	105,60
CA50	9	10,0	10	9,22	92,20
	10	10,0	4	4,58	18,32
	11	10,0	4	8,28	33,12
	12	10,0	8	1,2	9,60
	13	12,5	6	2,14	12,84
	14	12,5	4	4,85	19,40
	15	12,5	6	9,22	55,32
	16	12,5	6	4,58	27,48
	17	12,5	4	6,13	24,52
RESUMO DO AÇO - VIGAS N200					
AÇO	DIÂMETRO	C. TOTAL (m)	N BARRAS	PEÇO (kg)	
CA60	5,0	1462,36	122	225,20	
	6,3	45,80	4	11,17	
	8,0	10,00	1	3,95	
	10,0	402,84	34	248,55	
CA50	12,5	148,88	13	143,35	
VOLUME DE CONCRETO VIGAS N200 = 6,53m³					
ÁREA DE FORMAS = 91,55m²					