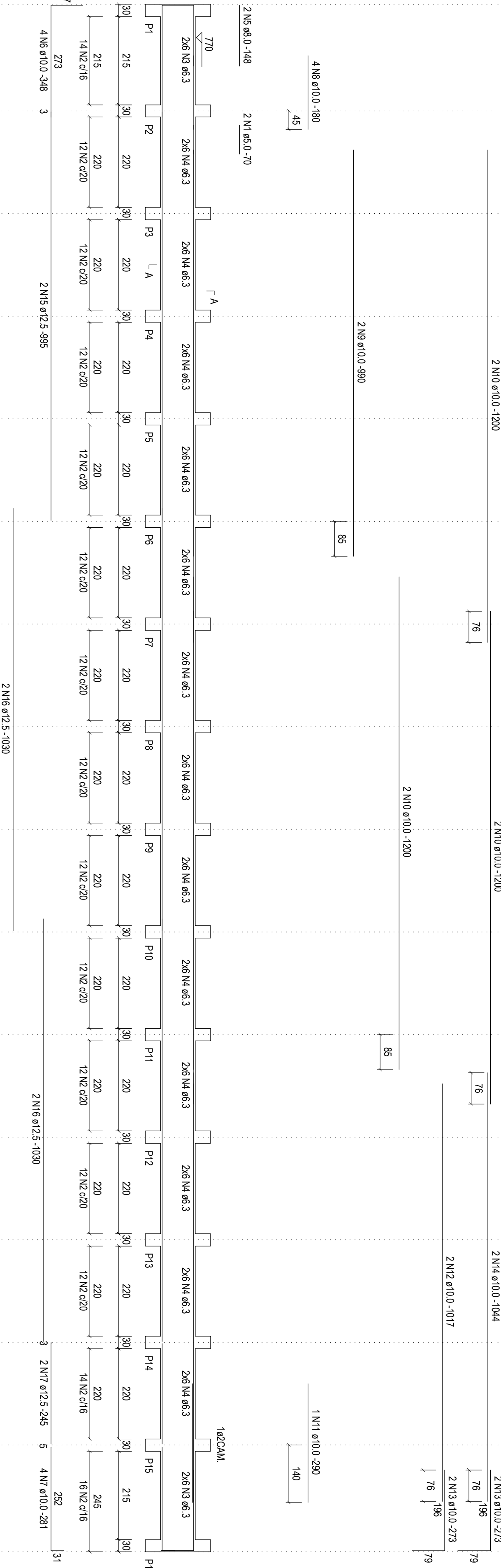
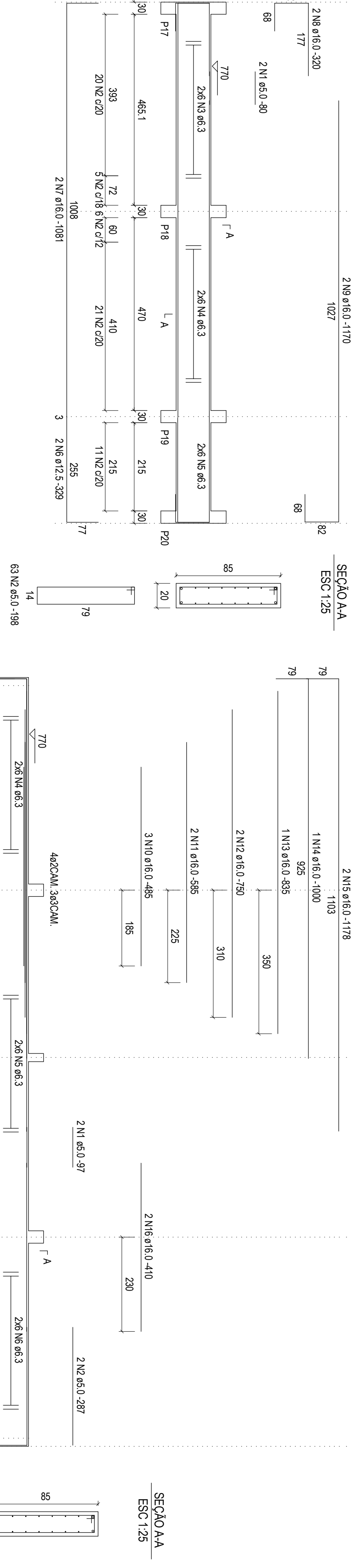


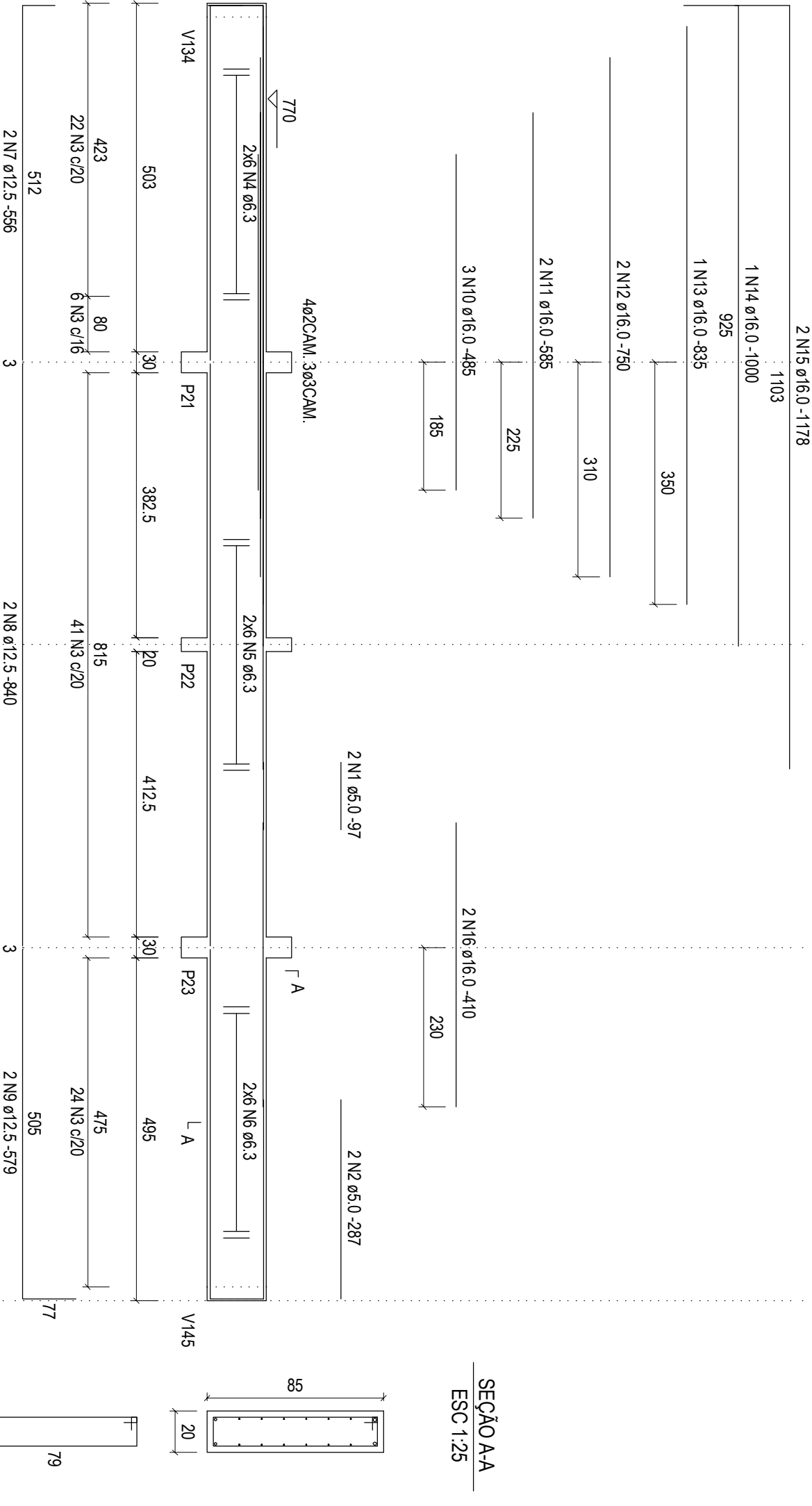
V101 (20 x 85)



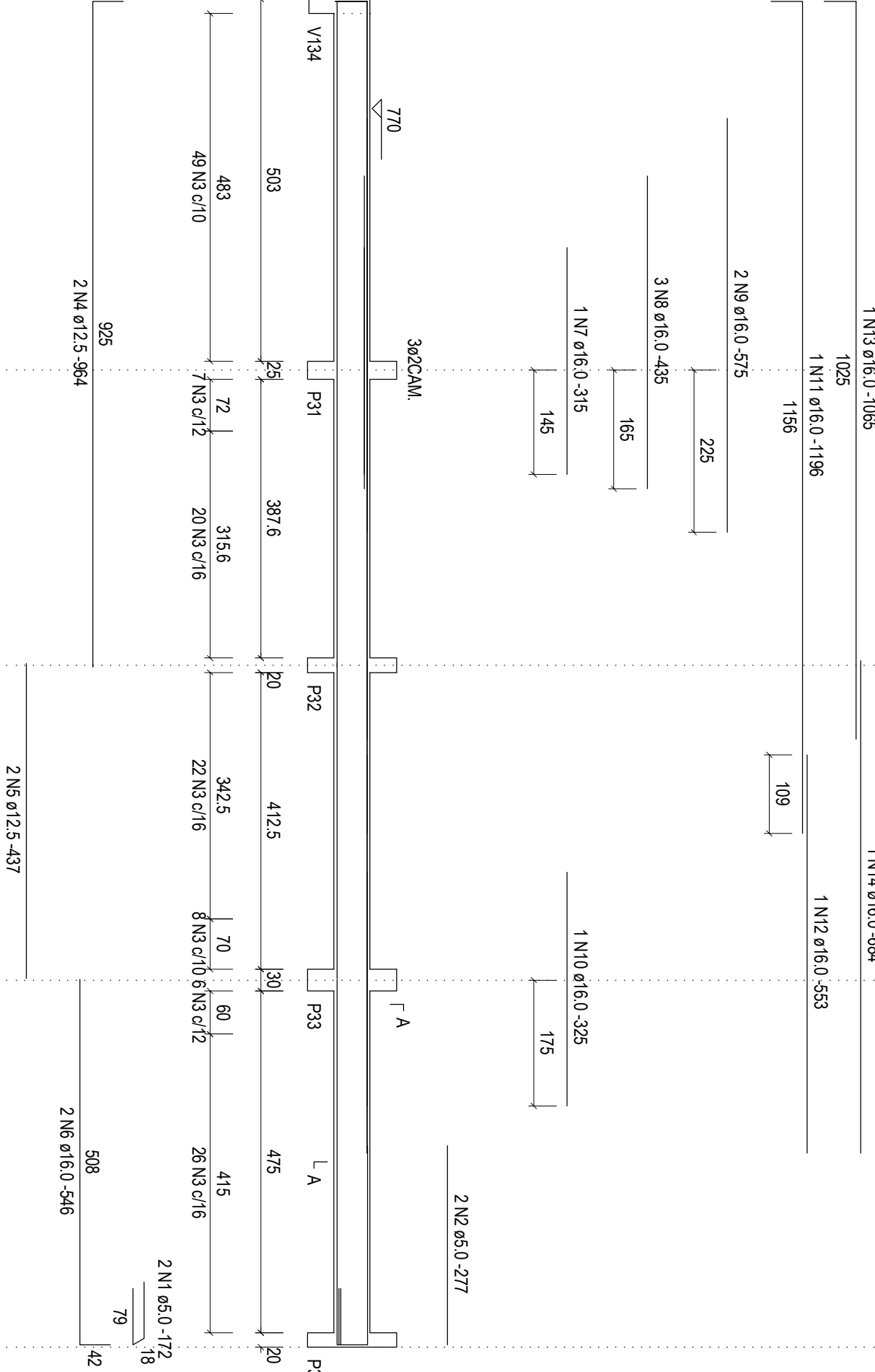
V102 (20 x 85)



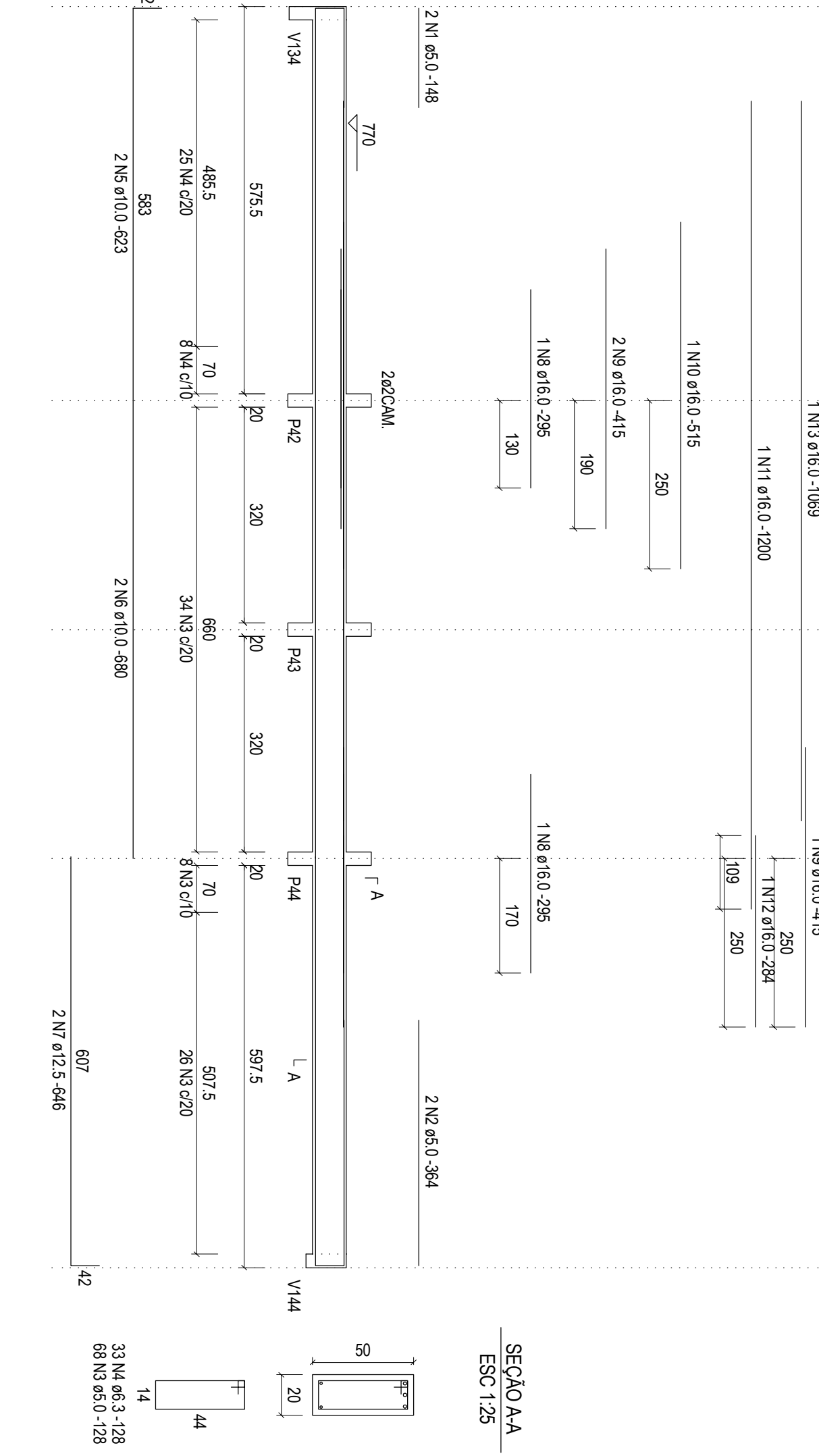
V103 (20 x 85)



V104 (25 x 50)



V105 (20 x 50)



Resumo do aço			
ACO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	971.5	225.5
CA50	8.0	3	1.2
CA50	10.0	212.3	130.9
CA50	12.5	153.1	147.4
CA60	16.0	288.7	424
CA60	5.0	1008.1	155.4
PESO TOTAL			
CA50	929		
CA60	155.4		

Vol. de concreto total (C-25) = 16,17 m³
Área de forma total = 180,43 m²

Relação do aço					
ELEMENTO	ACO	N	DIAM	Q	UNIT (cm)
V101	CA60	1	5.0	2	140
	CA50	2	5.0	188	37224
	CA50	3	6.3	24	6445
	CA50	4	6.3	156	42714
	CA50	5	8.0	2	148
	CA50	6	10.0	4	296
	CA50	7	10.0	4	1332
	CA50	8	10.0	4	281
	CA50	9	10.0	4	1124
	CA50	10	10.0	4	180
V102	CA50	1	5.0	2	140
	CA50	2	5.0	188	37224
	CA50	3	6.3	12	198
	CA50	4	6.3	12	198
	CA50	5	6.3	12	198
	CA50	6	6.3	12	198
	CA50	7	6.3	12	198
	CA50	8	6.3	12	198
	CA50	9	6.3	12	198
	CA50	10	6.3	12	198
V103	CA50	1	5.0	2	140
	CA50	2	5.0	188	37224
	CA50	3	6.3	12	198
	CA50	4	6.3	12	198
	CA50	5	6.3	12	198
	CA50	6	6.3	12	198
	CA50	7	6.3	12	198
	CA50	8	6.3	12	198
	CA50	9	6.3	12	198
	CA50	10	6.3	12	198
V104	CA50	1	5.0	2	140
	CA50	2	5.0	188	37224
	CA50	3	6.3	12	198
	CA50	4	6.3	12	198
	CA50	5	6.3	12	198
	CA50	6	6.3	12	198
	CA50	7	6.3	12	198
	CA50	8	6.3	12	198
	CA50	9	6.3	12	198
	CA50	10	6.3	12	198
V105	CA50	1	5.0	2	140
	CA50	2	5.0	188	37224
	CA50	3	6.3	12	198
	CA50	4	6.3	12	198
	CA50	5	6.3	12	198
	CA50	6	6.3	12	198
	CA50	7	6.3	12	198
	CA50	8	6.3	12	198
	CA50	9	6.3	12	198
	CA50	10	6.3	12	198