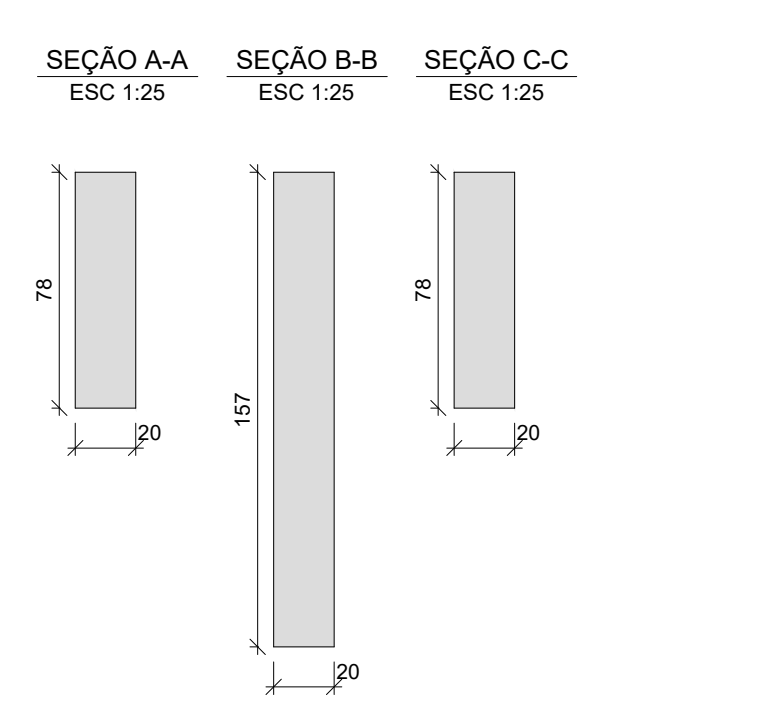
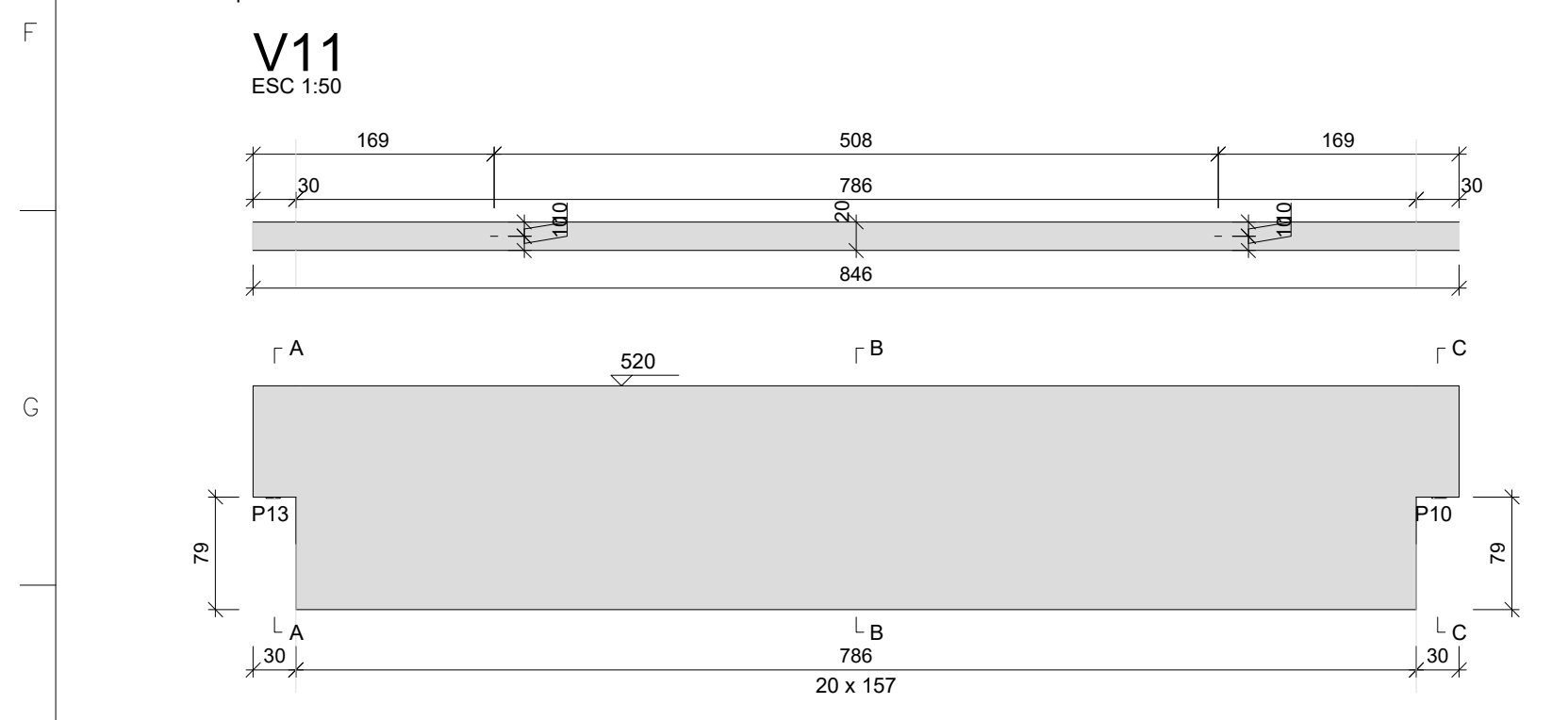


Qtd.	Aço	$\phi$ (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	20	154	350

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	6	183	1098
	2	5,0	6	203	1218
	3	5,0	57	341	19437
	4	5,0	9	183	1647
	5	5,0	9	107	963
	6	5,0	9	195	1755
CA50	7	6,3	22	780	17160
	10	8,0	4	174	696
	11	10,0	4	273	1092
	12	12,5	2	330	660
	13	12,5	2	310	620
	14	12,5	1	621	621
	15	12,5	3	784	2352
	16	12,5	4	978	3912

AÇO	DIAM (mm)	C.TOTAL (m)	PES (kg)
CA50	6.3	171.6	
	8.0	7	
	10.0	11	
	12.5	81.7	7
CA60	5.0	261.2	4

Volume de concreto (C-40) = 2.51 m<sup>3</sup>  
Peso total = 6282.1 kg

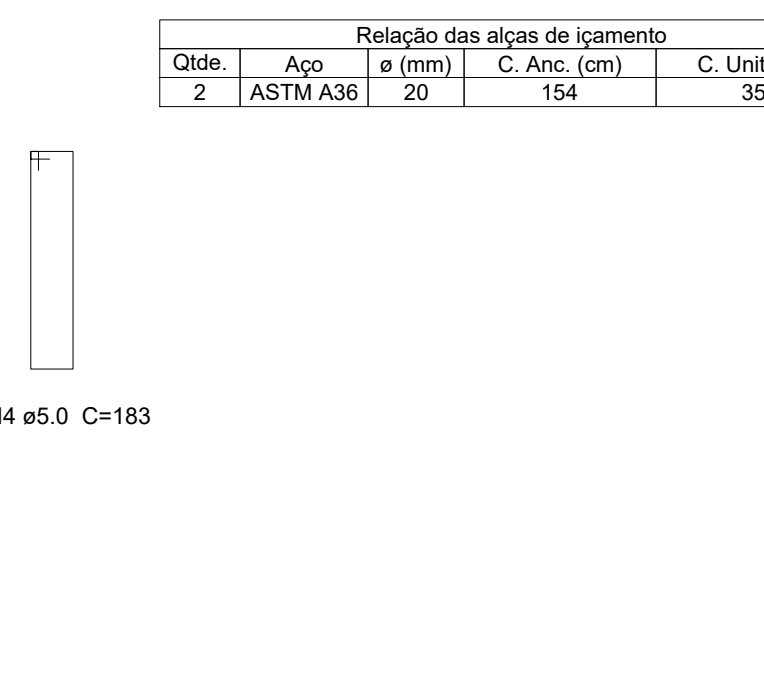
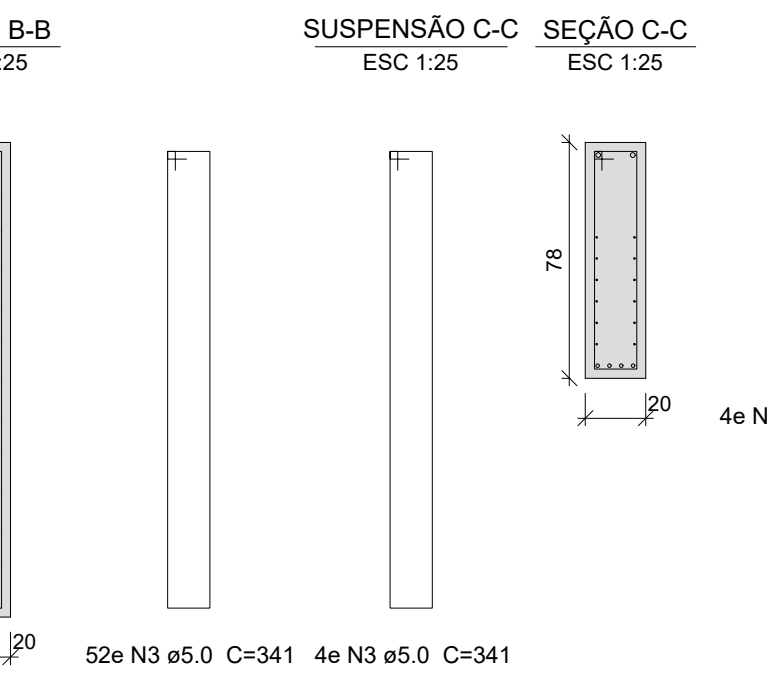
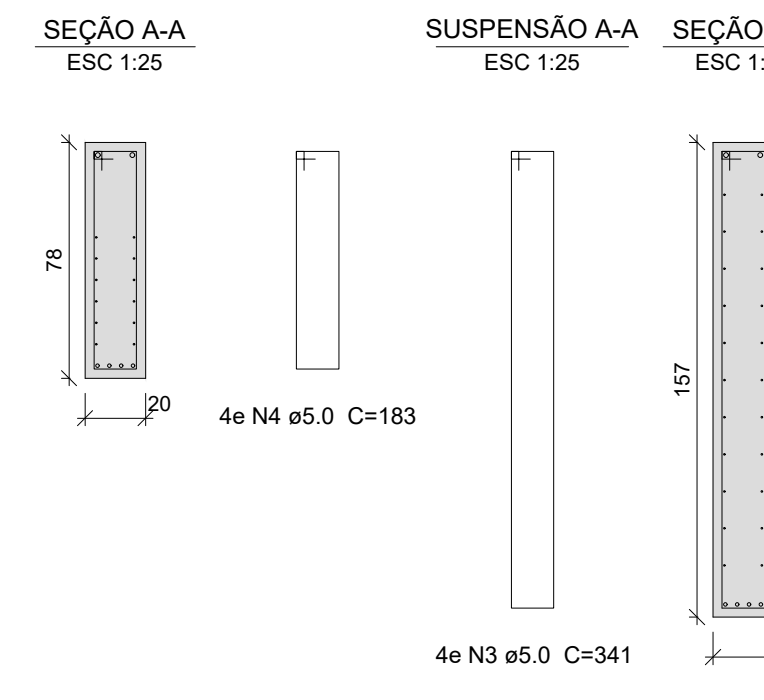
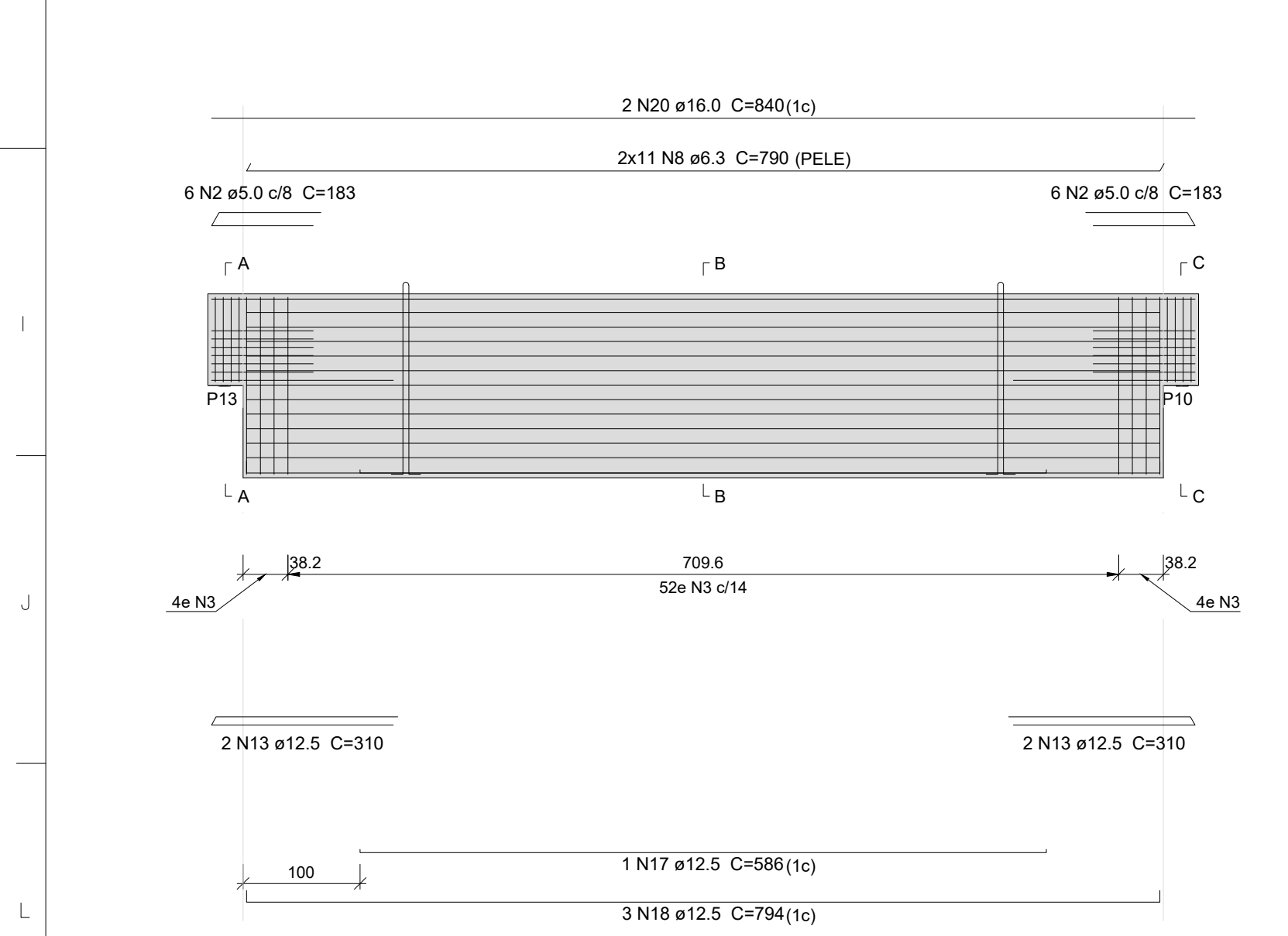


AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	2	5.0	12	183	2196
	3	5.0	60	141	20460
CA50	4	5.0	8	183	1464
	8	6.3	22	790	17380
	13	12.5	4	310	1240
	17	12.5	1	586	586
	18	12.5	3	794	2382
	20	16.0	2	840	1680

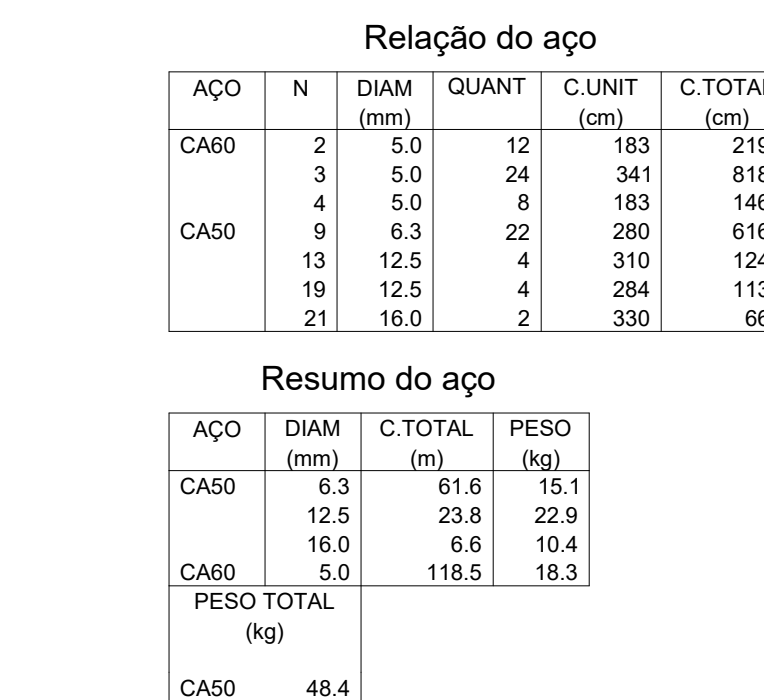
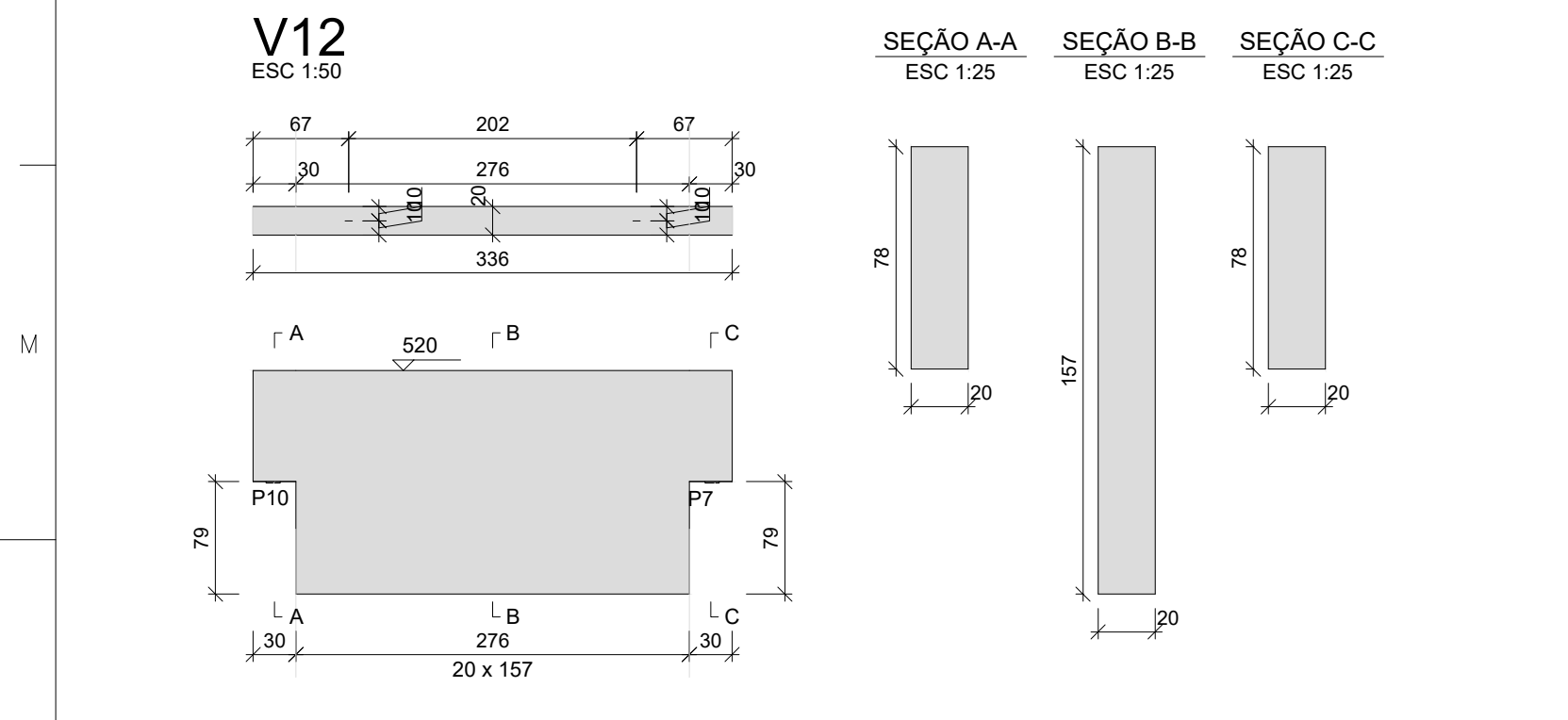
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.3	173.8	42.5
	12.5	42.1	40.5
	18.0	16.8	26.5
CA60	5.0	241.2	37.2
PESO TOTAL (kg)			
CA50	109.6		
CA60	37.2		

Volume de concreto (C-40) = 2.56 m<sup>3</sup>  
Peso total = 8404.1 kg

Peso total = 6404.1 kg



Qtde.	Aço	ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	20	154	350

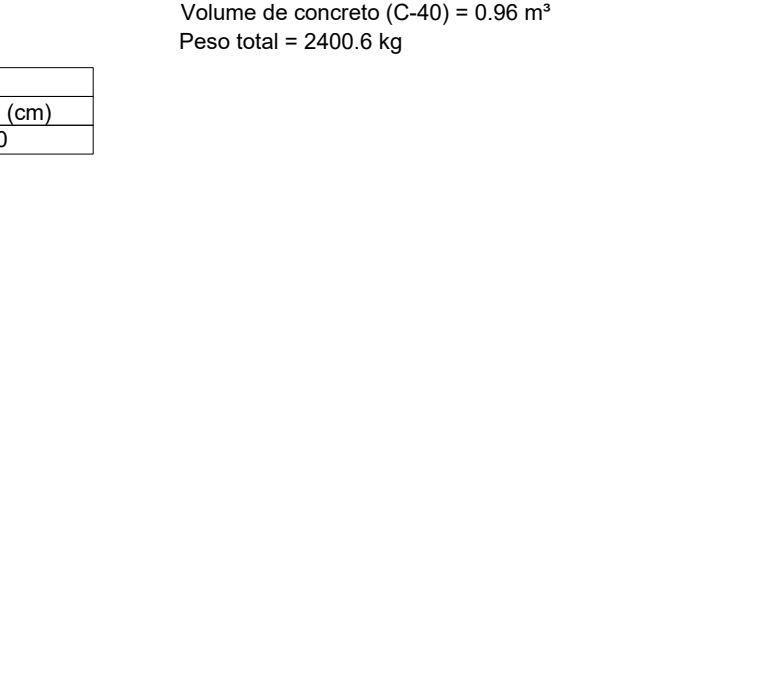
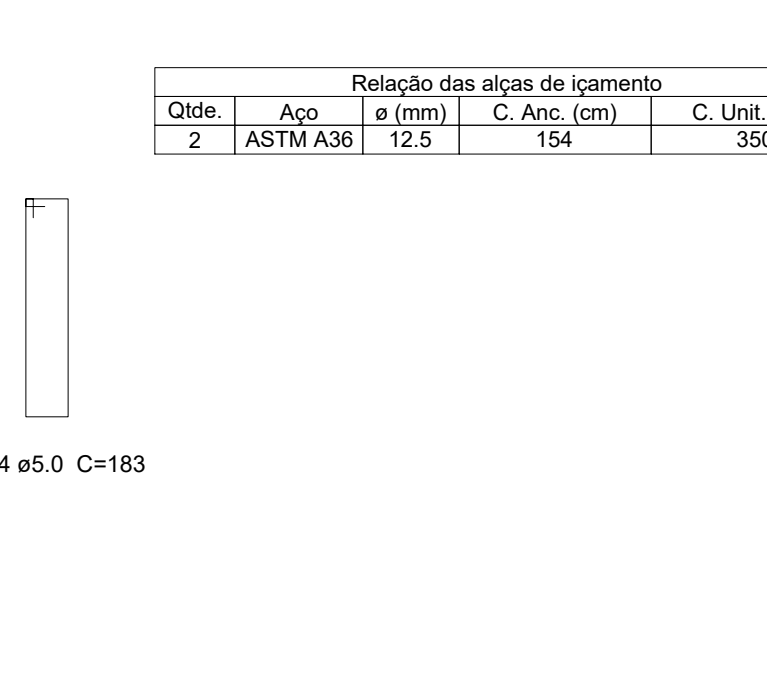
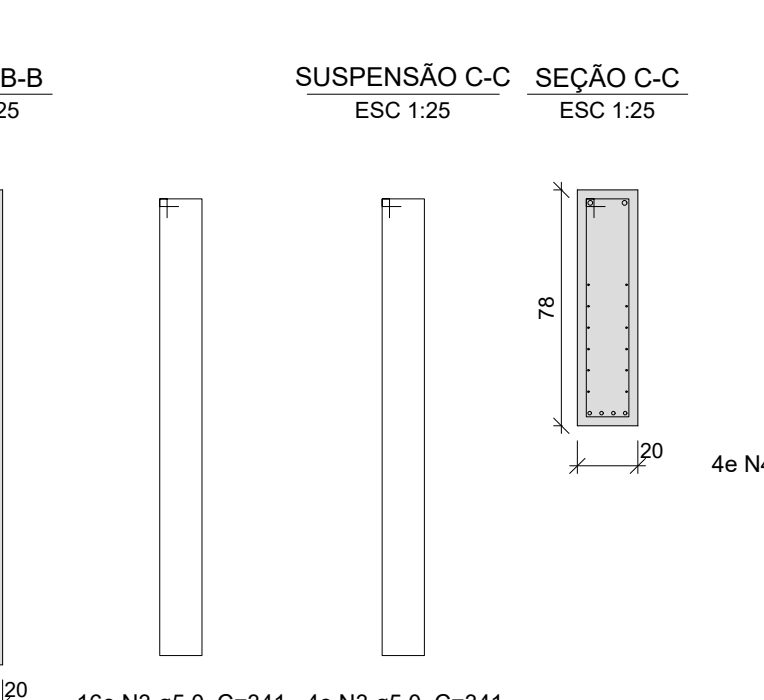
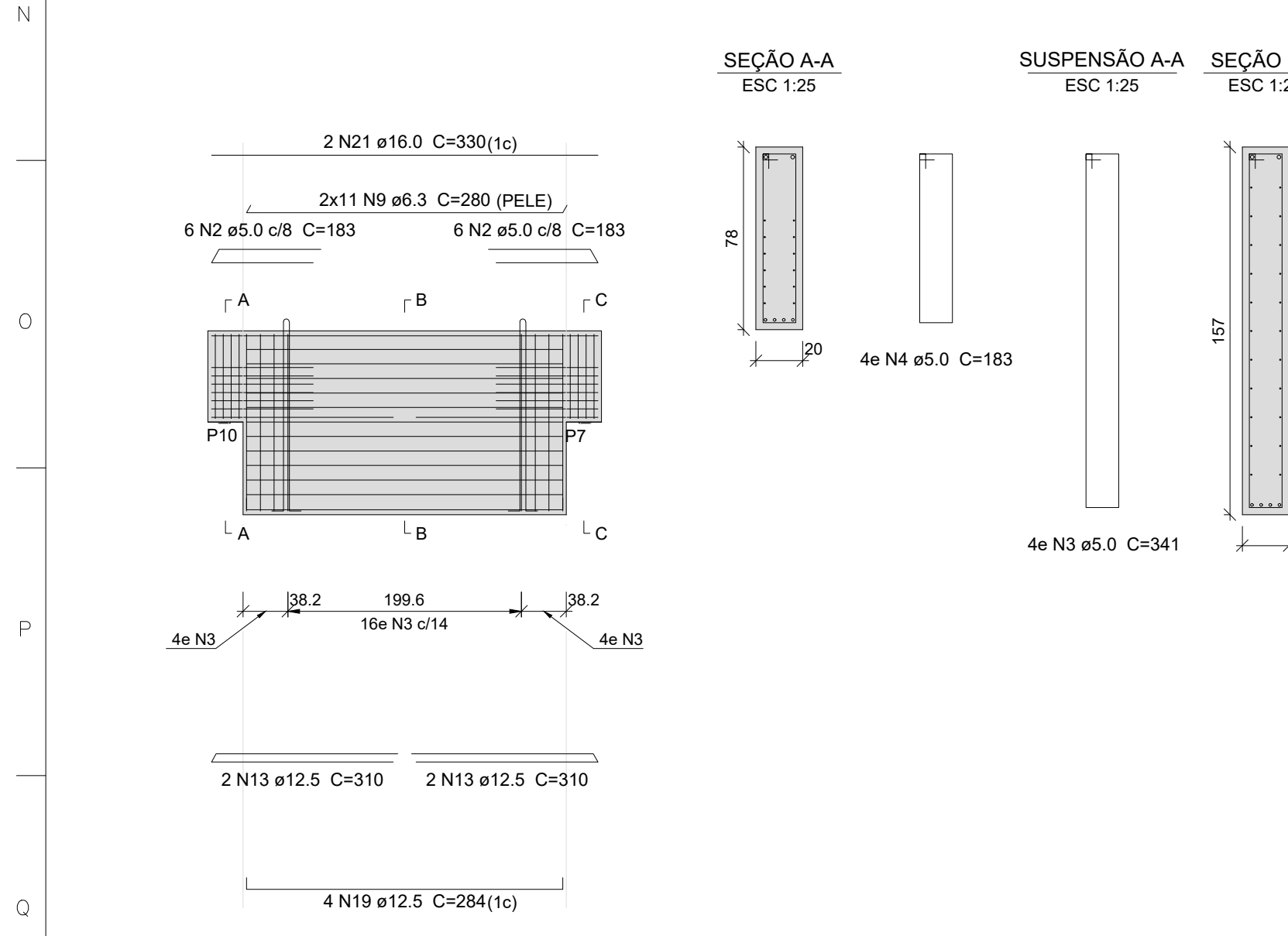


AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	2	5.0	12	183	2196
	3	5.0	24	341	8184
	4	5.0	8	183	1464
CA50	9	6.3	22	280	6160
	13	12.5	4	310	1240
	19	12.5	4	384	1136
	21	16.0	2	230	660

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	61.6	15.1
	12.5	23.8	22.9
	16.0	6.6	10.4
CA60	5.0	118.5	18.3
PESO TOTAL (kg)			
CA50	48.4		
CA60	18.3		

Volume de concreto (C-40) = 0,96 m<sup>3</sup>  
Peso total = 2400,6 kg

Peso total = 2400.6 kg



Relação das alças de içamento				
Qtd.	Aço	Ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	12,5	154	350

