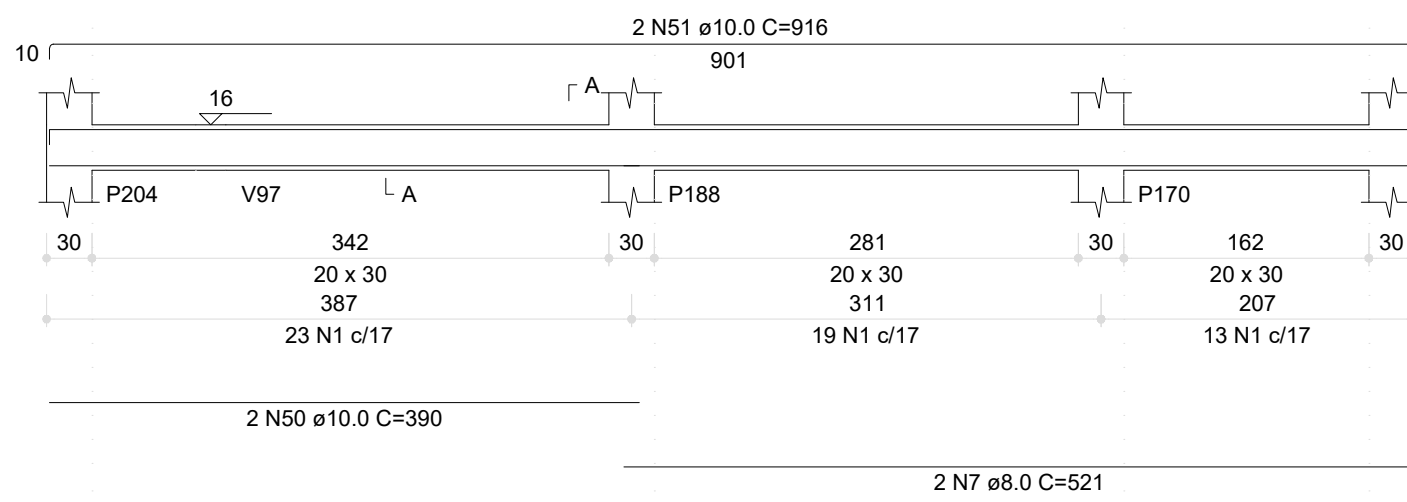


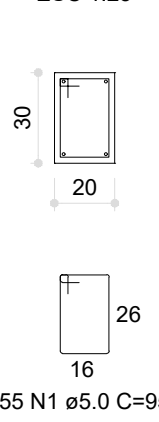
V191 (20 x 30)

ESC 1:50



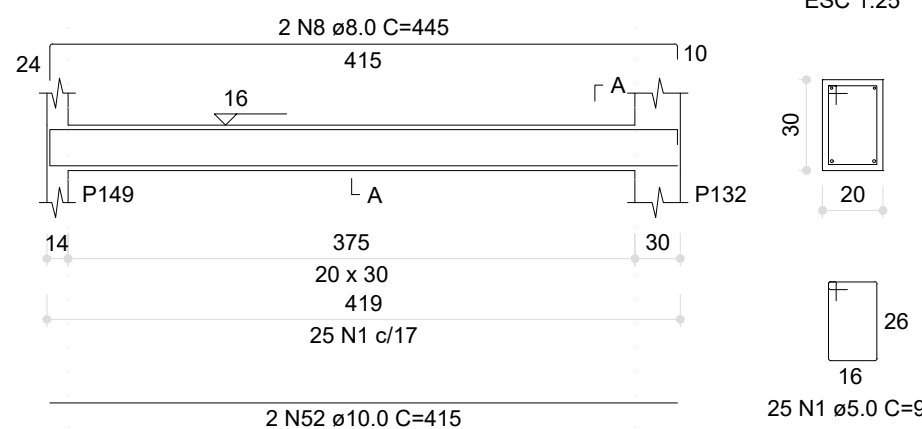
SEÇÃO A-A

ESC 1:25



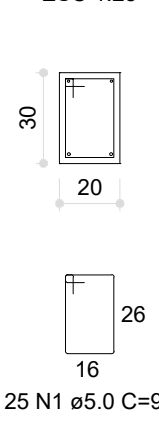
V192 (20 x 30)

ESC 1:50



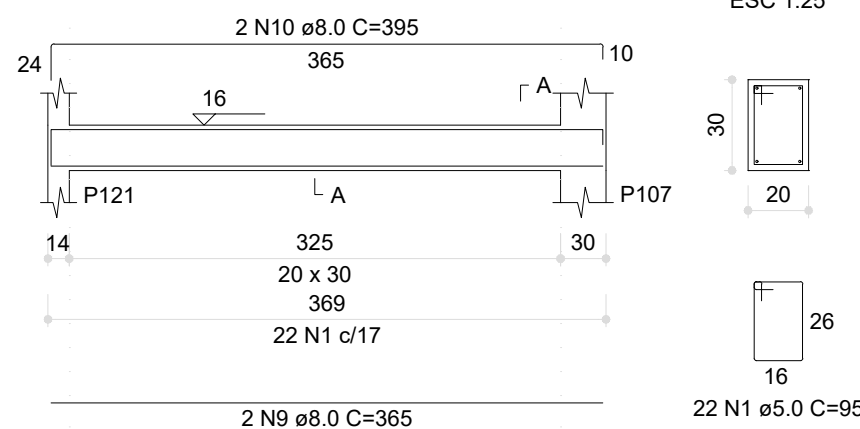
SEÇÃO A-A

ESC 1:25



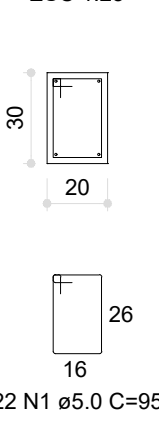
V193 (20 x 30)

ESC 1:50



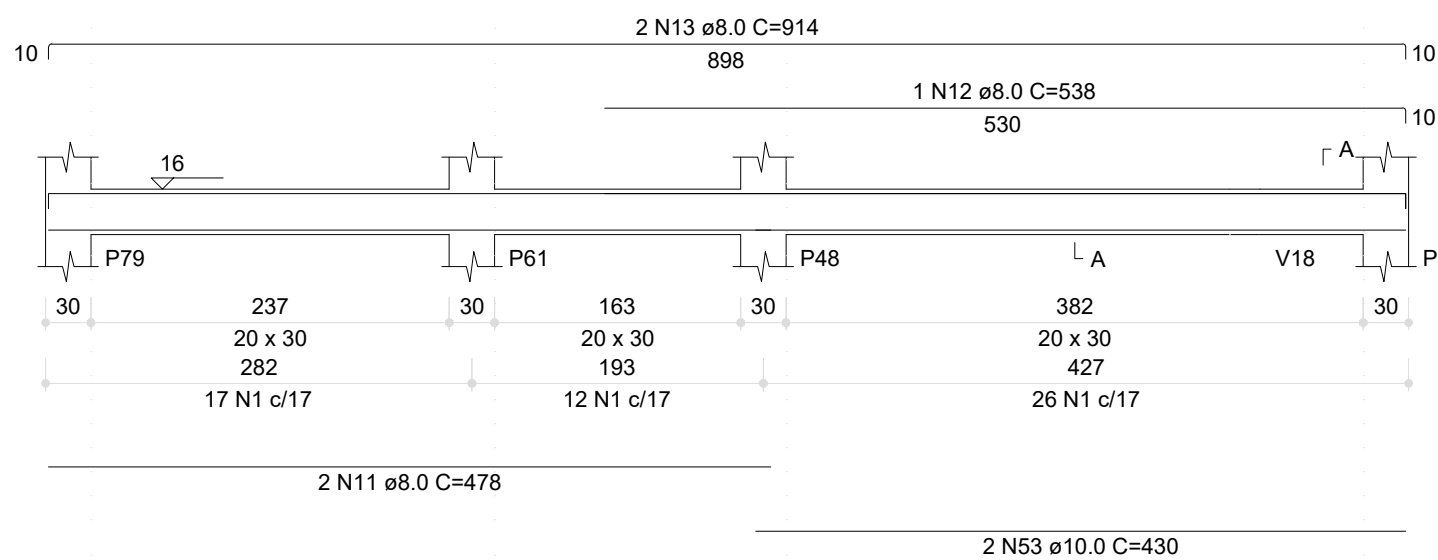
SEÇÃO A-A

ESC 1:25



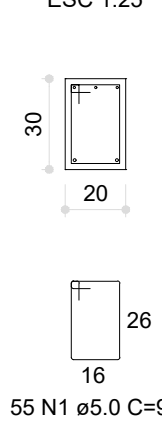
V194 (20 x 30)

ESC 1:50



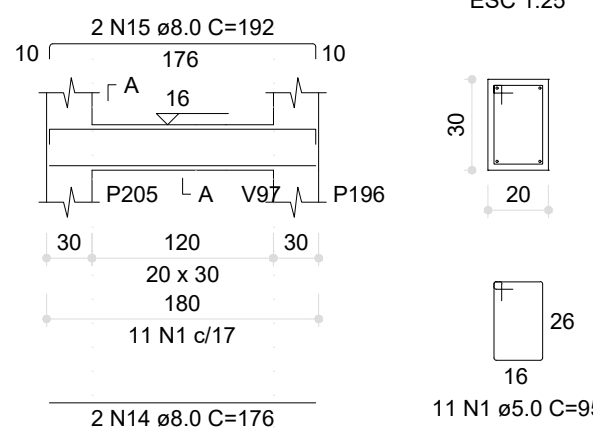
SEÇÃO A-A

ESC 1:25



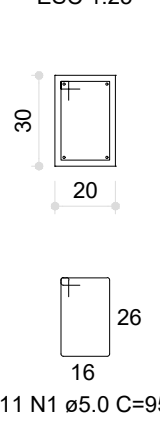
V195 (20 x 30)

ESC 1:50



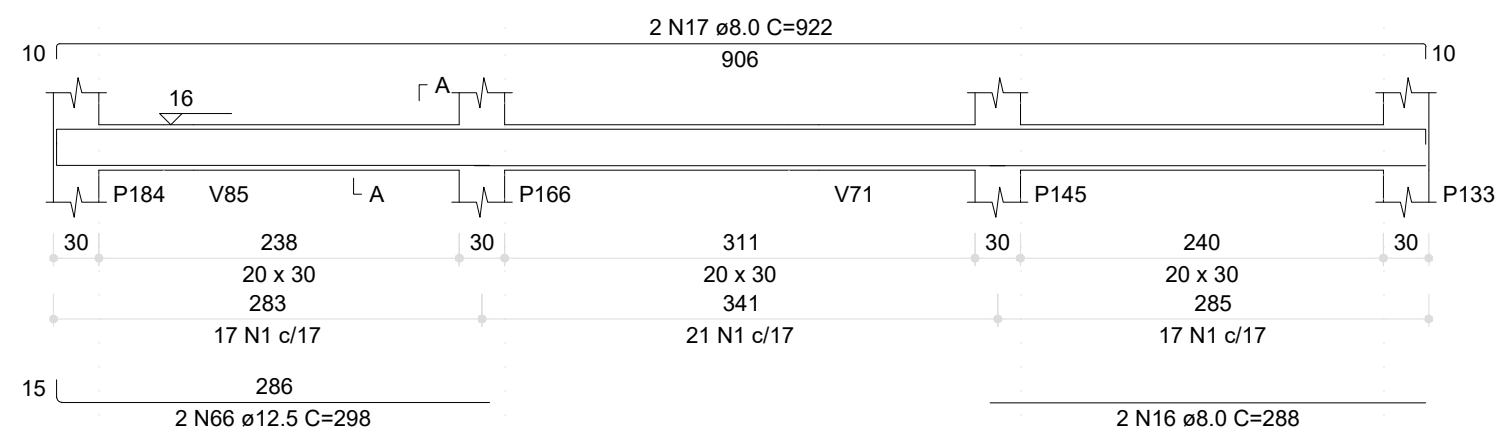
SEÇÃO A-A

ESC 1:25



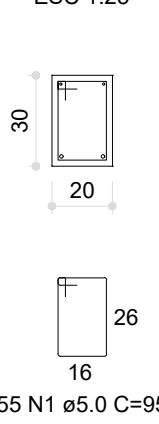
V196 (20 x 30)

ESC 1:50



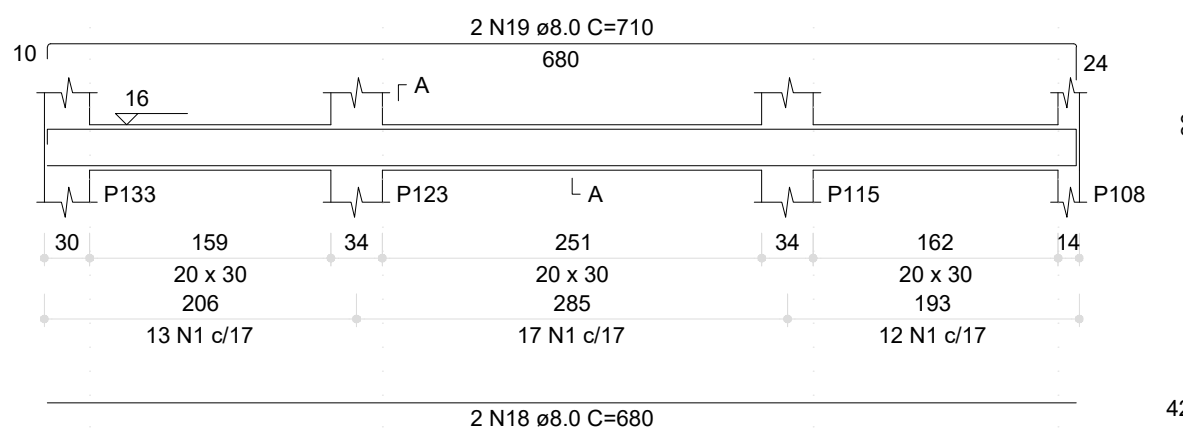
SEÇÃO A-A

ESC 1:25



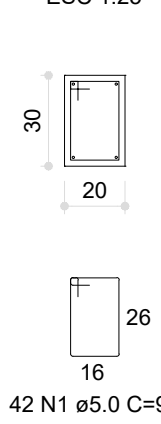
V197 (20 x 30)

ESC 1:50



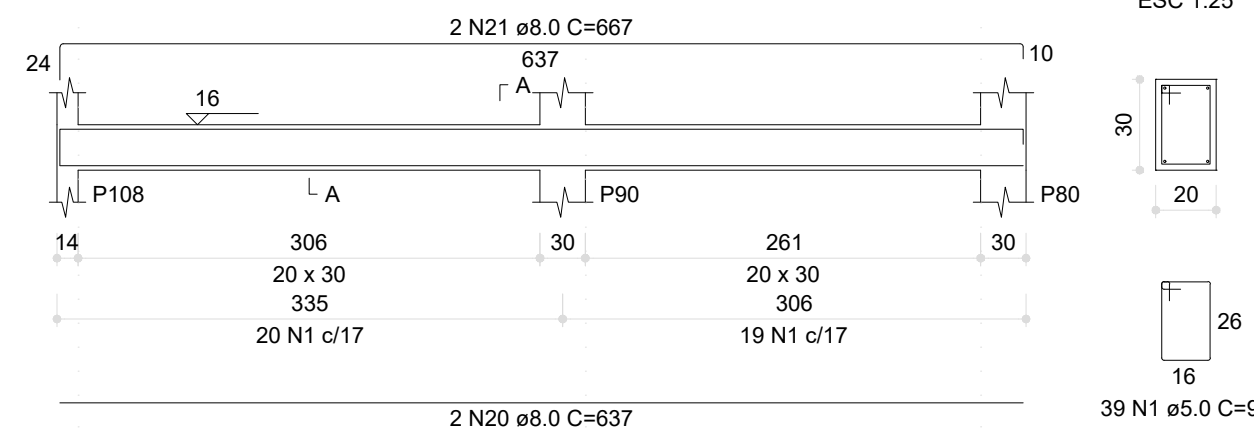
SEÇÃO A-A

ESC 1:25



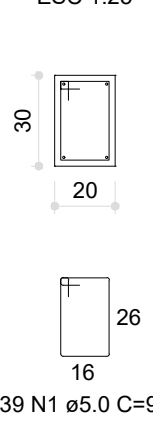
V198 (20 x 30)

ESC 1:50



SEÇÃO A-A

ESC 1:25



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	734	95	69730
	2	5.0	2	578	1152
	3	5.0	17	78	1343
	4	5.0	4	146	584
	5	5.0	2	291	582
	6	5.0	2	438	876
	7	8.0	2	521	1042
	8	8.0	2	445	890
	9	8.0	2	365	730
	10	8.0	2	305	610
	11	8.0	2	478	956
	12	8.0	1	538	538
	13	8.0	1	914	1828
	14	8.0	2	176	352
	15	8.0	2	102	204
	16	8.0	2	288	576
	17	8.0	2	822	1644
	18	8.0	2	680	1360
	19	8.0	2	710	1420
	20	8.0	2	637	1274
	21	8.0	2	667	1334
	22	8.0	2	467	934
	23	8.0	2	523	1046
	24	8.0	2	923	1846
	25	8.0	2	284	568
	26	8.0	2	332	664
	27	8.0	2	292	584
	28	8.0	2	338	676
	29	8.0	2	58	112
	30	8.0	2	80	160
	31	8.0	2	52	104
	32	8.0	2	72	144
	33	8.0	2	124	248
	34	8.0	2	458	916
	35	8.0	2	211	422
	36	8.0	2	243	486
	37	8.0	2	328	656
	38	8.0	2	291	582
	39	8.0	2	117	234
	40	8.0	2	153	306
	41	8.0	2	338	676
	42	8.0	2	324	648
	43	8.0	2	121	242
	44	8.0	2	19	38
	45	8.0	2	289	578
	46	8.0	2	158	316
	47	8.0	2	178	356
	48	8.0	2	285	570
	49	8.0	2	301	602
	50	10.0	2	390	780
	51	10.0	2	918	1836
	52	10.0	2	415	830
	53	10.0	4	430	1720
	54	10.0	2	351	702
	55	10.0	2	576	1152
	56	10.0	2	424	848
	57	10.0	2	949	1898
	58	10.0	2	350	700
	59	10.0	2	718	1436
	60	10.0	2	275	550
	61	10.0	2	338	676
	62	10.0	2	1150	2300
	63	10.0	2	175	350
	64	10.0	2	294	588
	65	10.0	2	683	1366
	66	12.5	2	298	596
	67	12.5	2	351	702
	68	12.5	2	358	716
	69	16.0	2	627	1254
	70	16.0	2	255	510

RESUMO DO AÇO

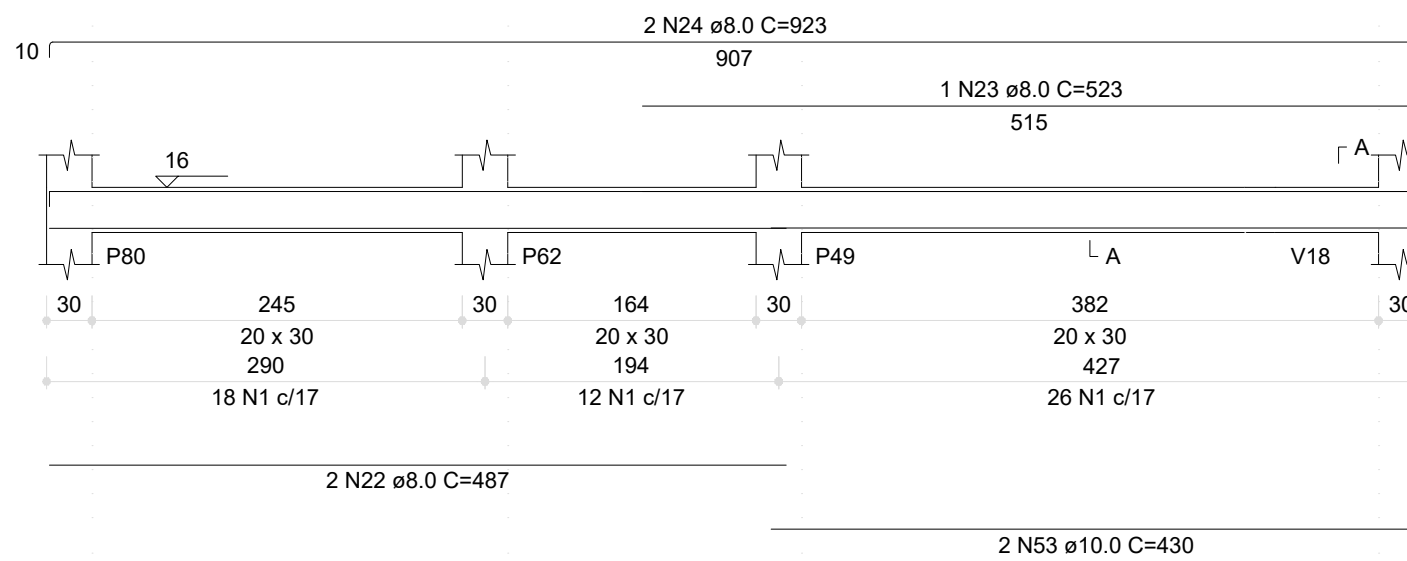
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	296.9	117.2
	10.0	177.3	109.3
	12.5	19.7	19
CA60	16.0	17.6	27.8
	5.0	742.7	114.5
PESO TOTAL (kg)			
CA50	273.3		
CA60	114.5		

Volume de concreto (C=30) = 7.31 m³

Área de forma = 98.22 m²

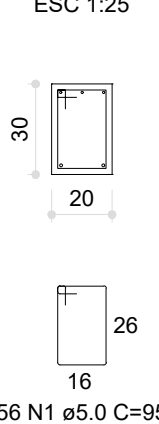
V199 (20 x 30)

ESC 1:50



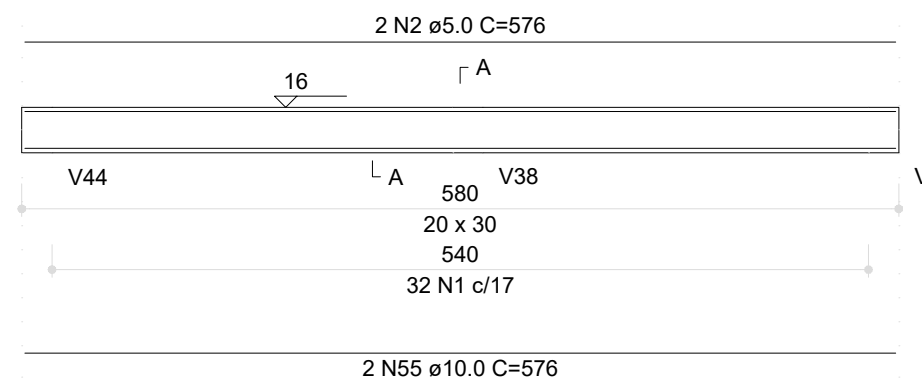
SEÇÃO A-A

ESC 1:25



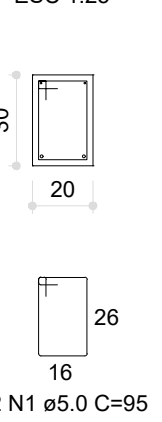
V200 (20 x 30)

ESC 1:50



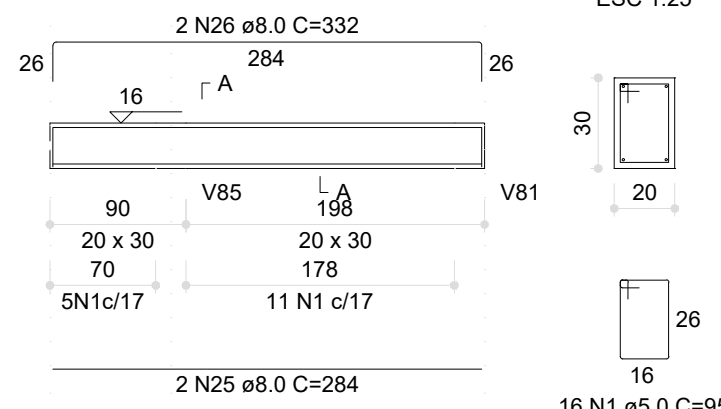
SEÇÃO A-A

ESC 1:25



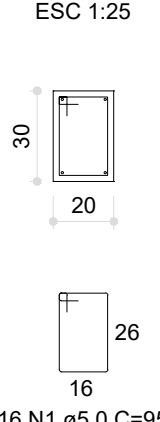
V201 (20 x 30)

ESC 1:50



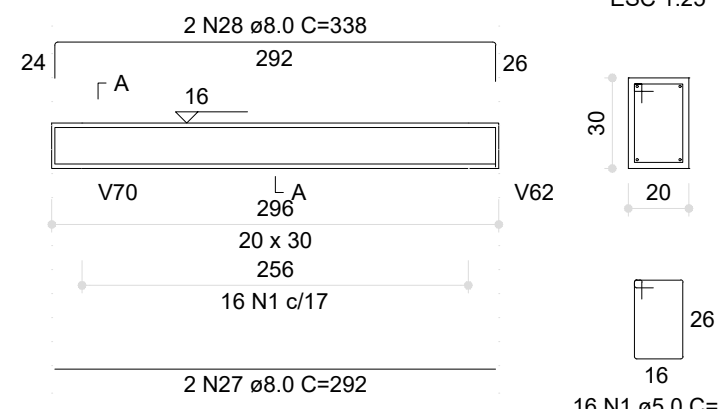
SEÇÃO A-A

ESC 1:25



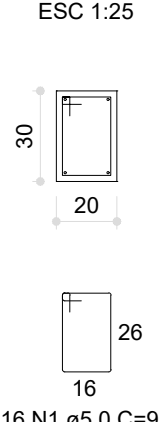
V202 (20 x 30)

ESC 1:50



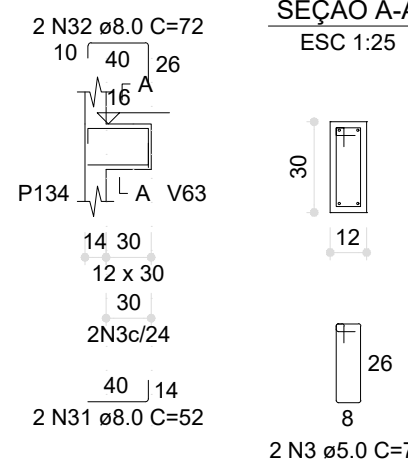
SEÇÃO A-A

ESC 1:25



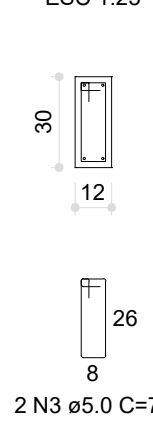
V204 (12 x 30)

ESC 1:50



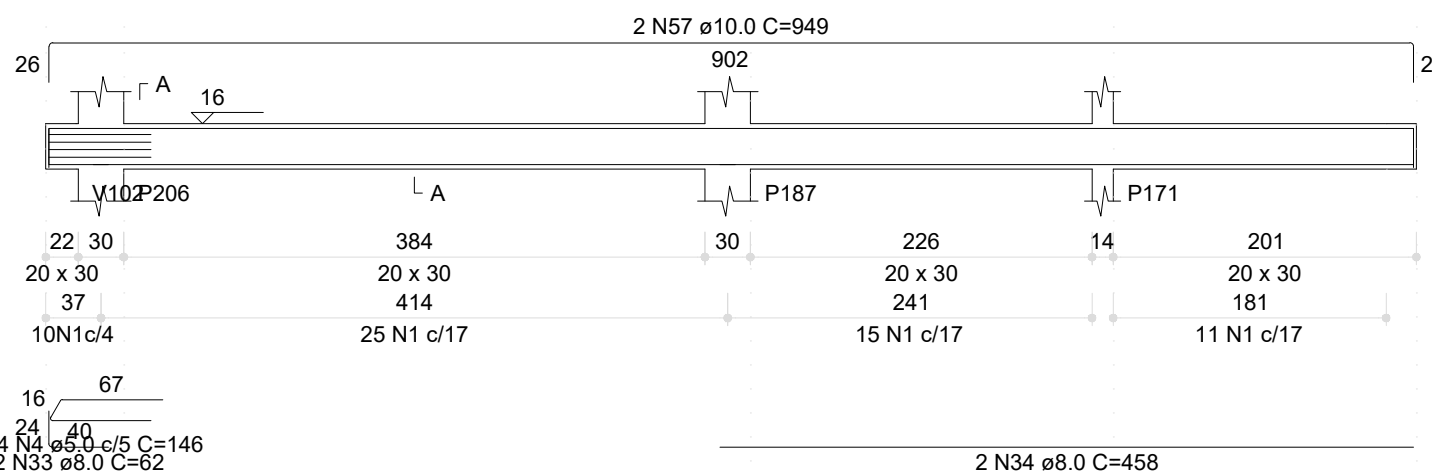
SEÇÃO A-A

ESC 1:25



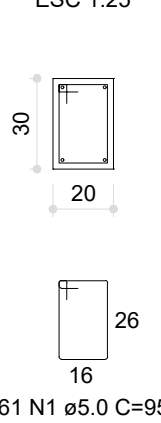
V205 (20 x 30)

ESC 1:50



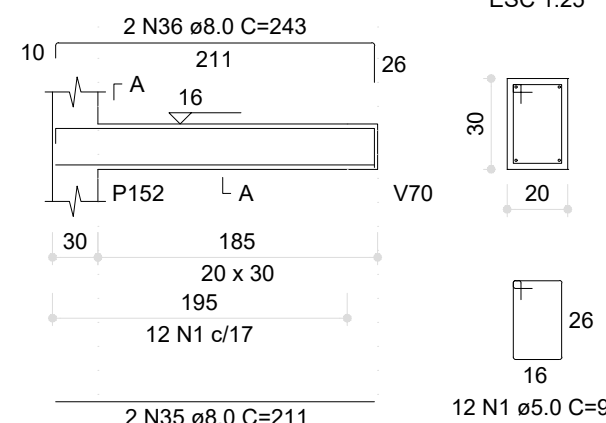
SEÇÃO A-A

ESC 1:25



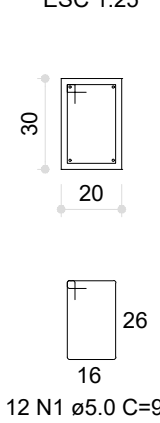
V206 (20 x 30)

ESC 1:50



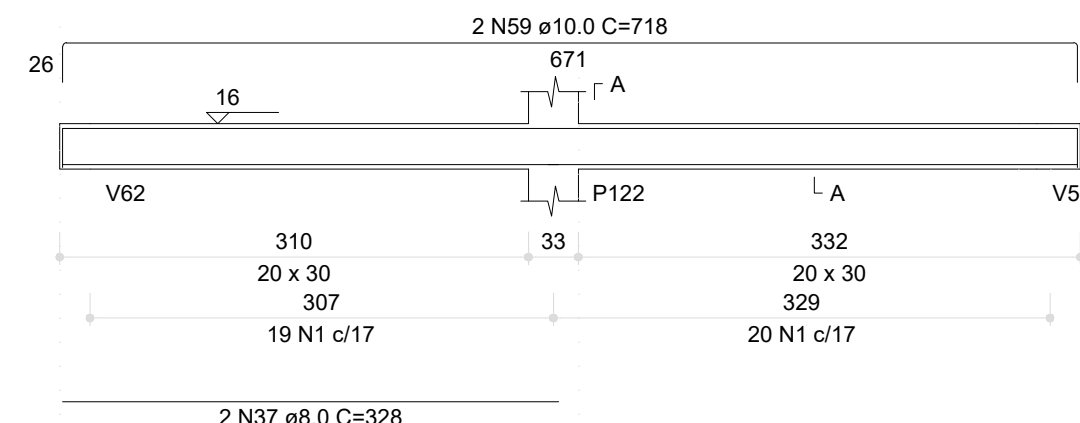
SEÇÃO A-A

ESC 1:25



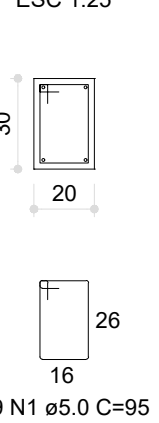
V207 (20 x 30)

ESC 1:50



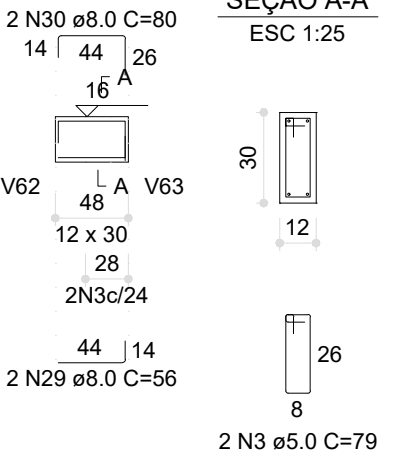
SEÇÃO A-A

ESC 1:25



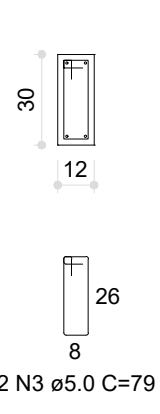
V203 (12 x 30)

ESC 1:50



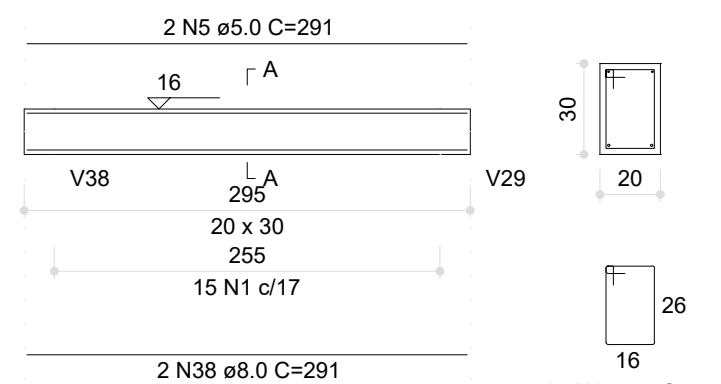
SEÇÃO A-A

ESC 1:25



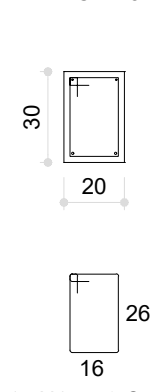
V208 (20 x 30)

ESC 1:50



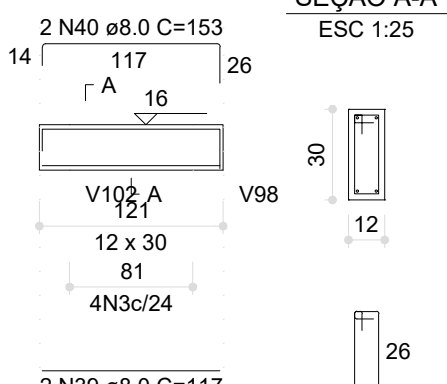
SEÇÃO A-A

ESC 1:25



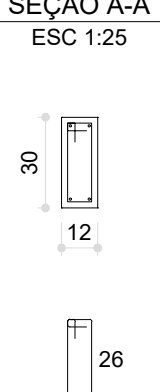
V209 (12 x 30)

ESC 1:50



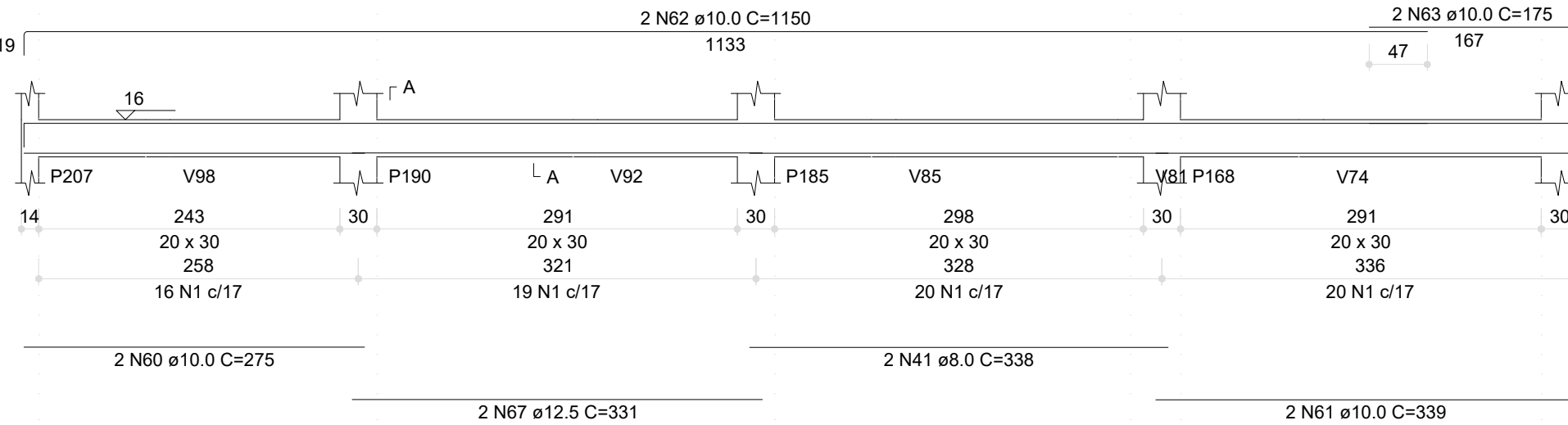
SEÇÃO A-A

ESC 1:25



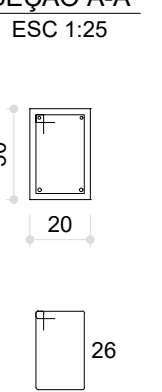
V210 (20 x 30)

ESC 1:50



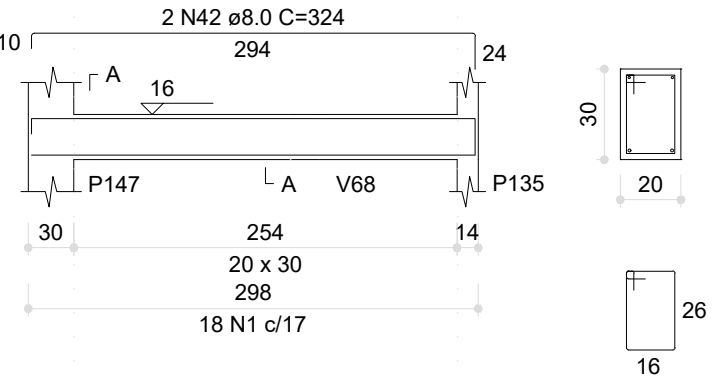
SEÇÃO A-A

ESC 1:25



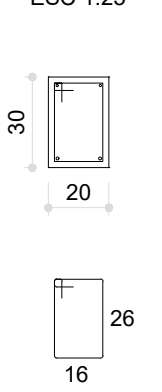
V211 (20 x 30)

ESC 1:50



SEÇÃO A-A

ESC 1:25



V212 (12 x 30)

ESC 1:50

