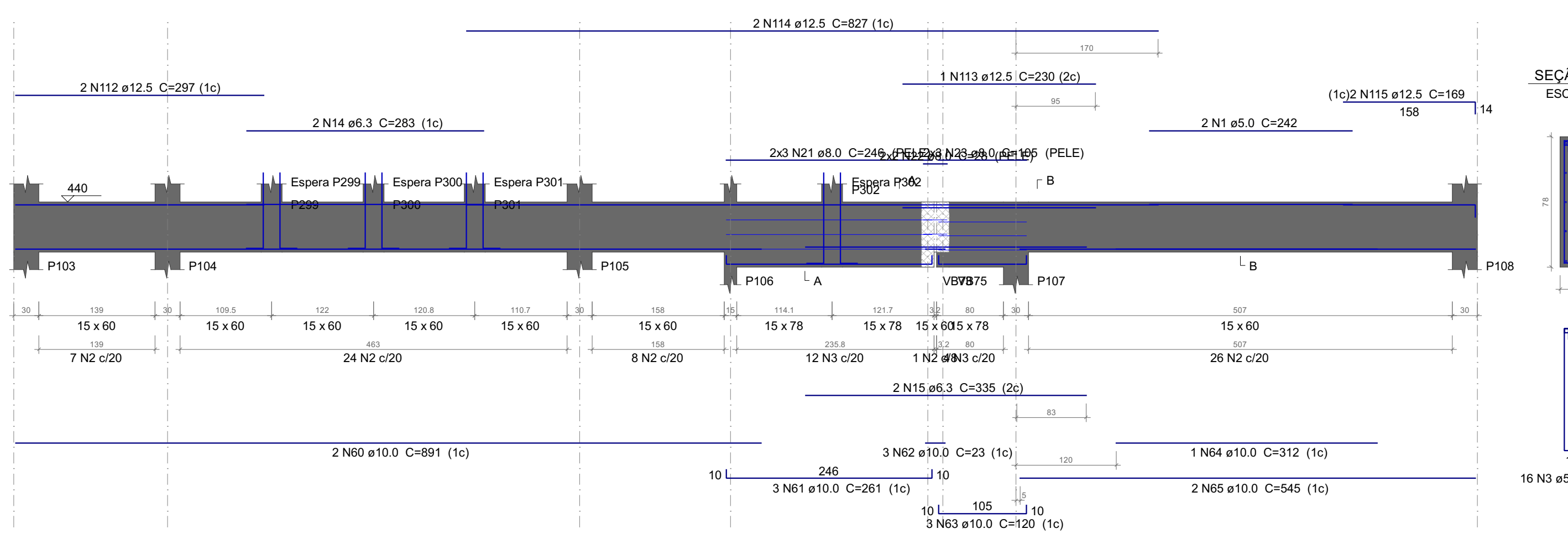


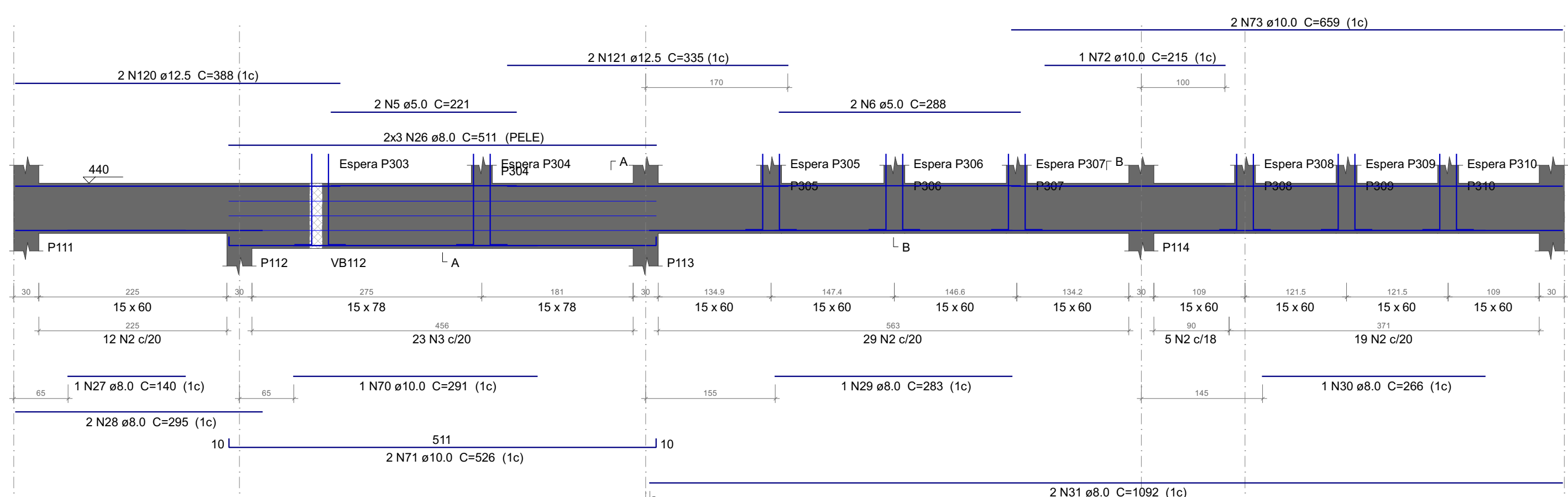
VB21

ESC 1:50



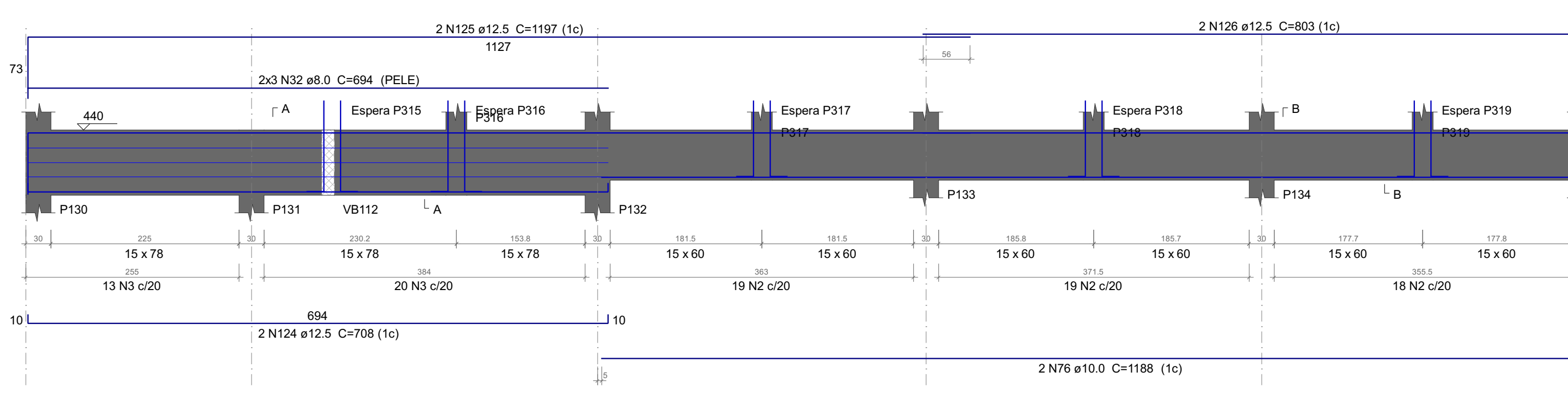
VB23

ESC 1:50



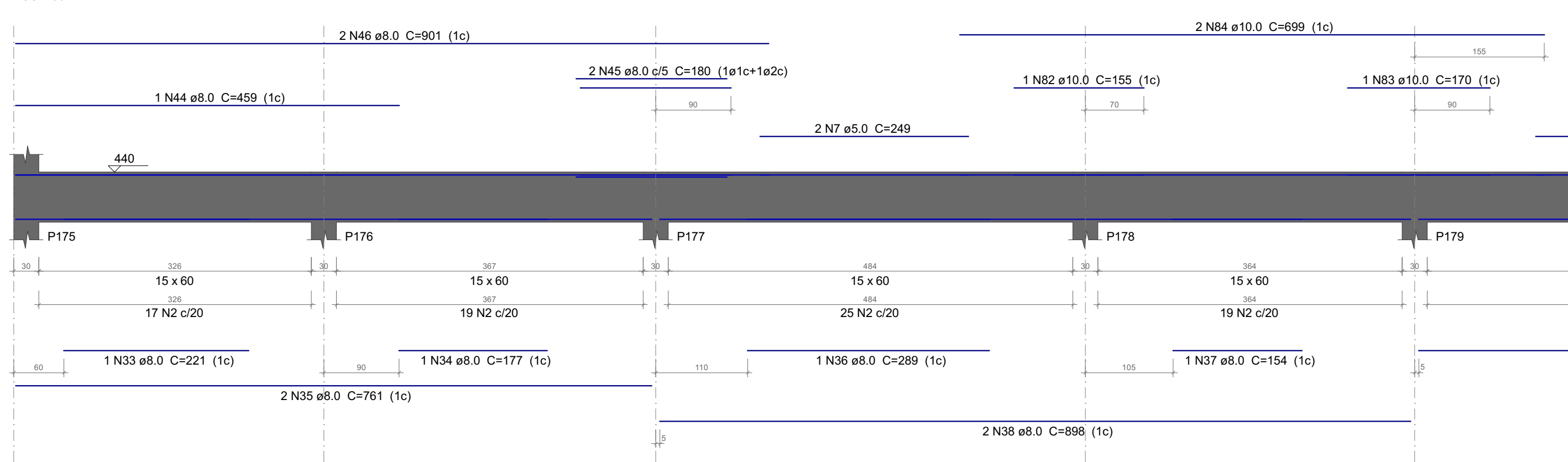
VB25

ESC 1:50



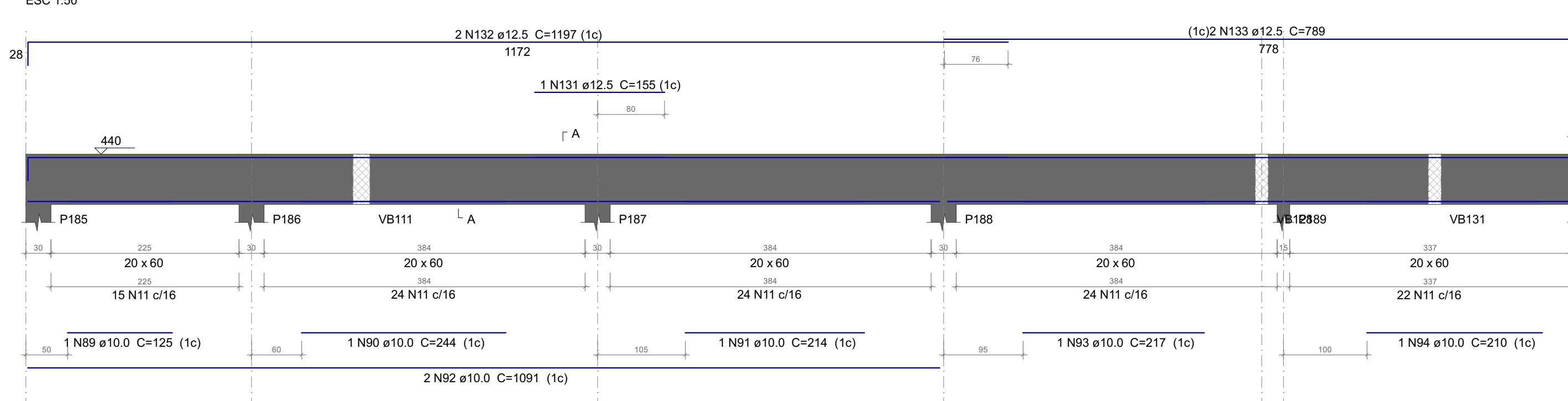
VB29

ESC 1:50



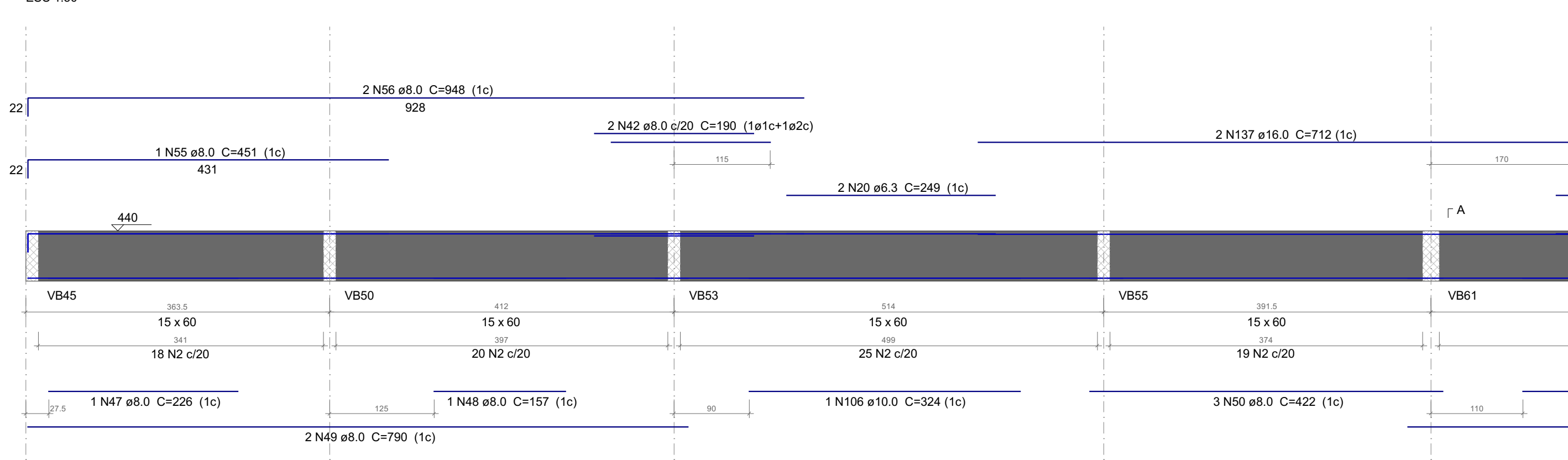
VB31

ESC 1:50



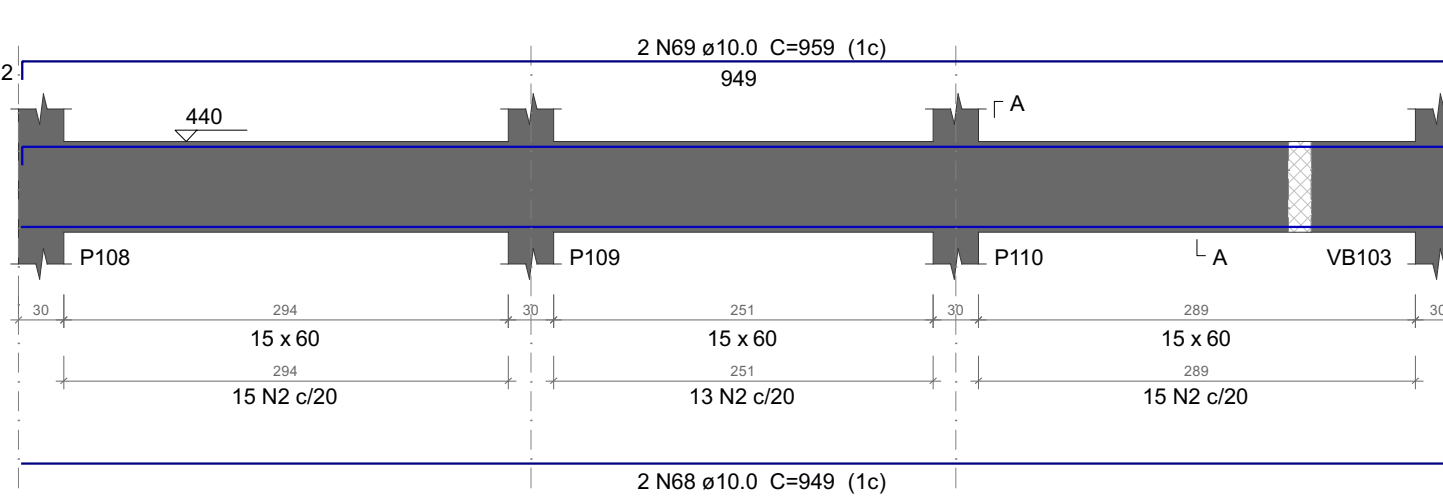
VB33

ESC 1:50



VB22

ESC 1:50



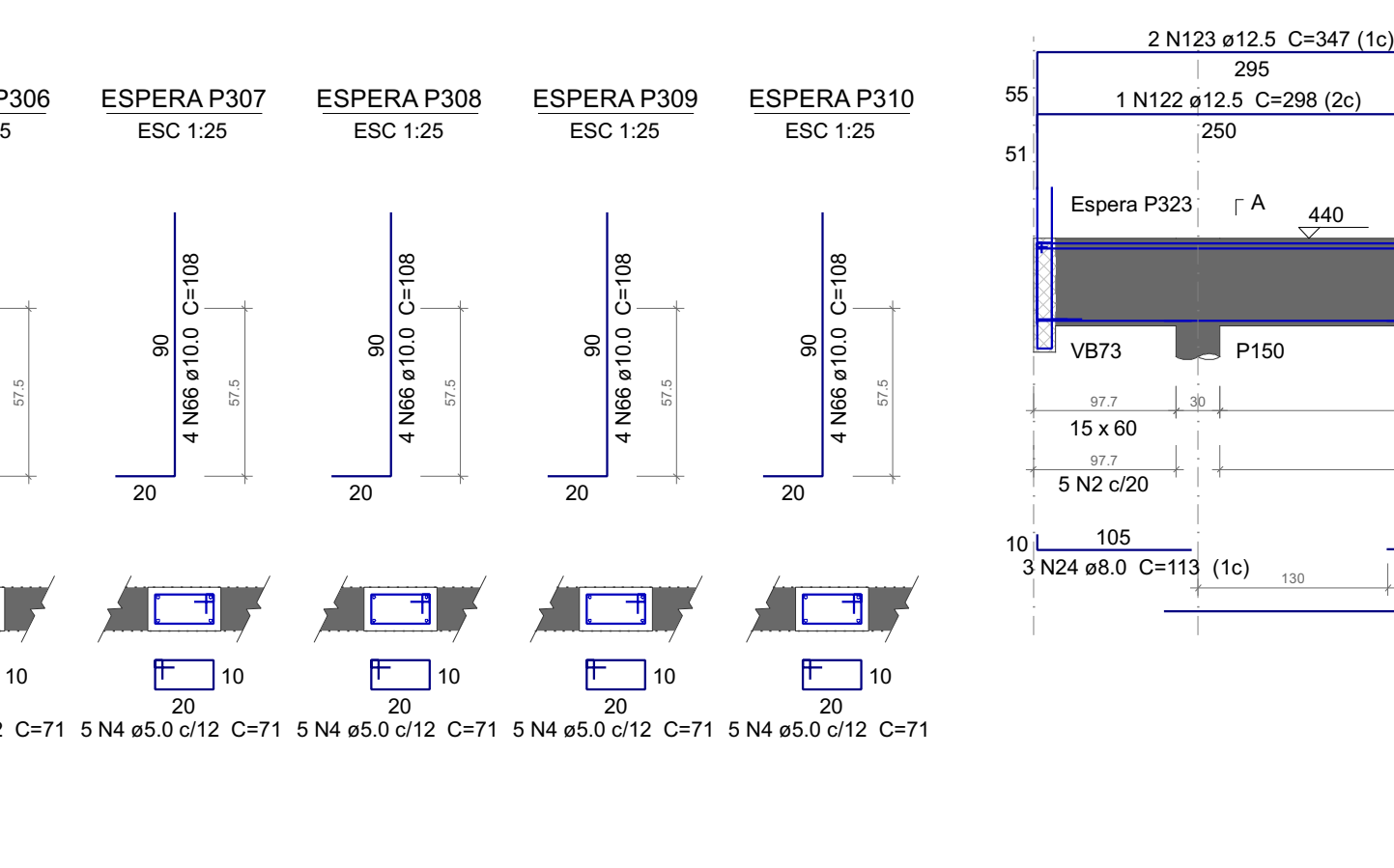
VB24

ESC 1:50



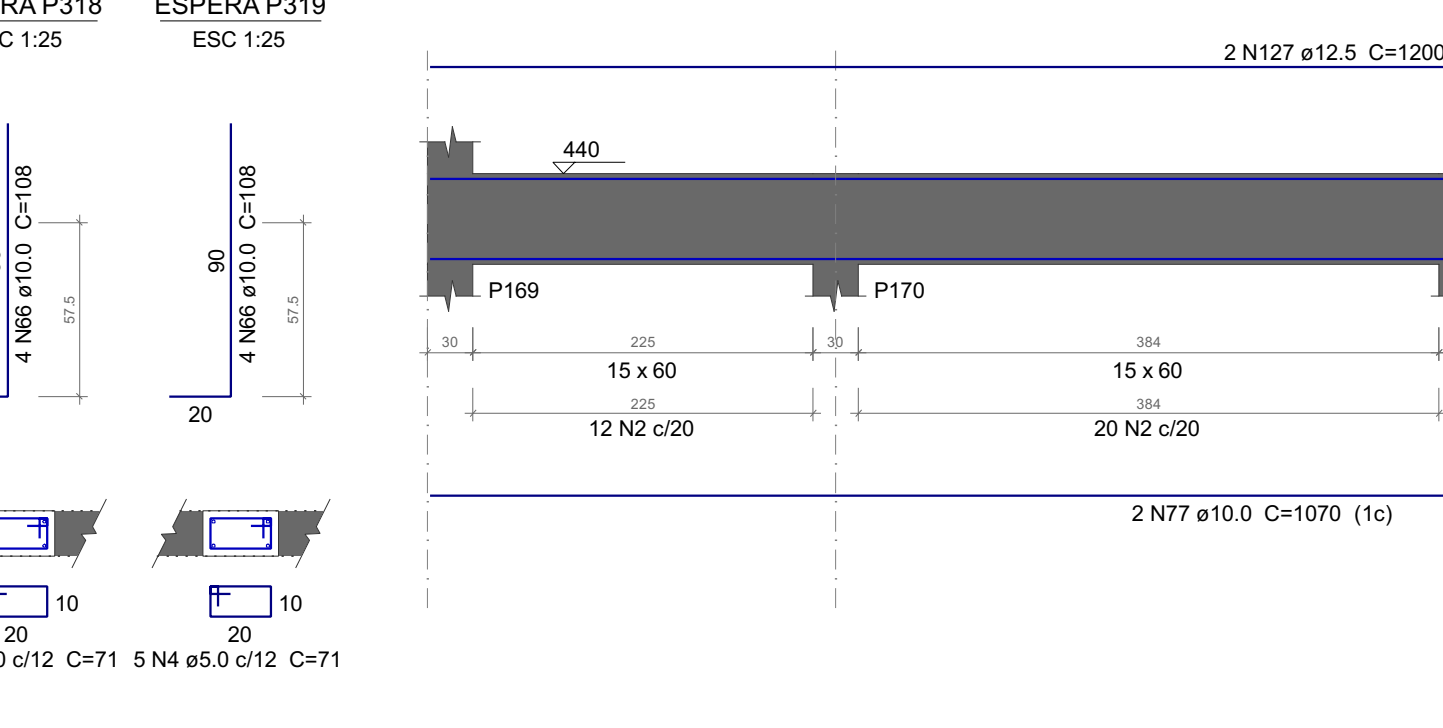
VB26

ESC 1:50



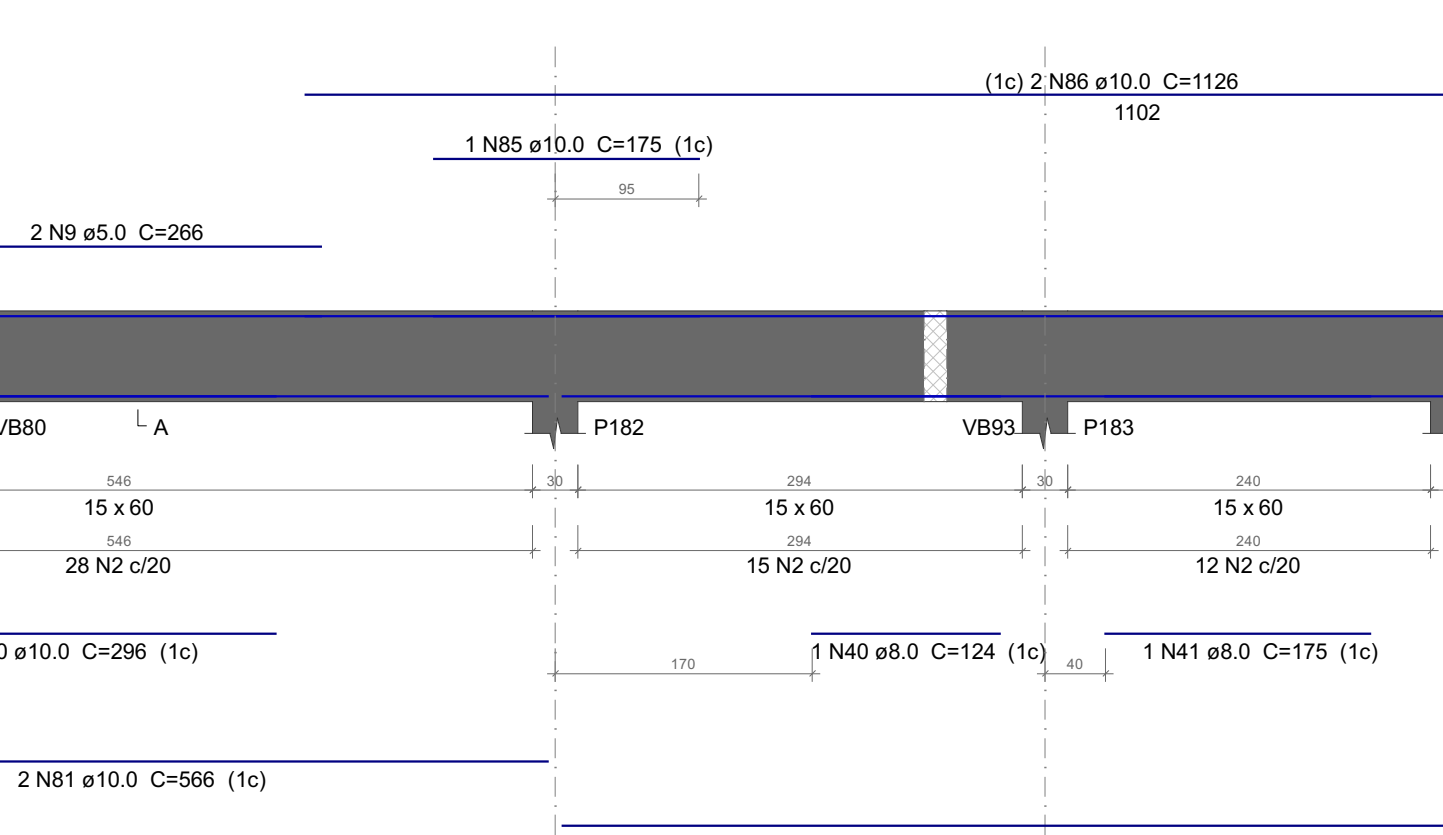
VB28

ESC 1:50



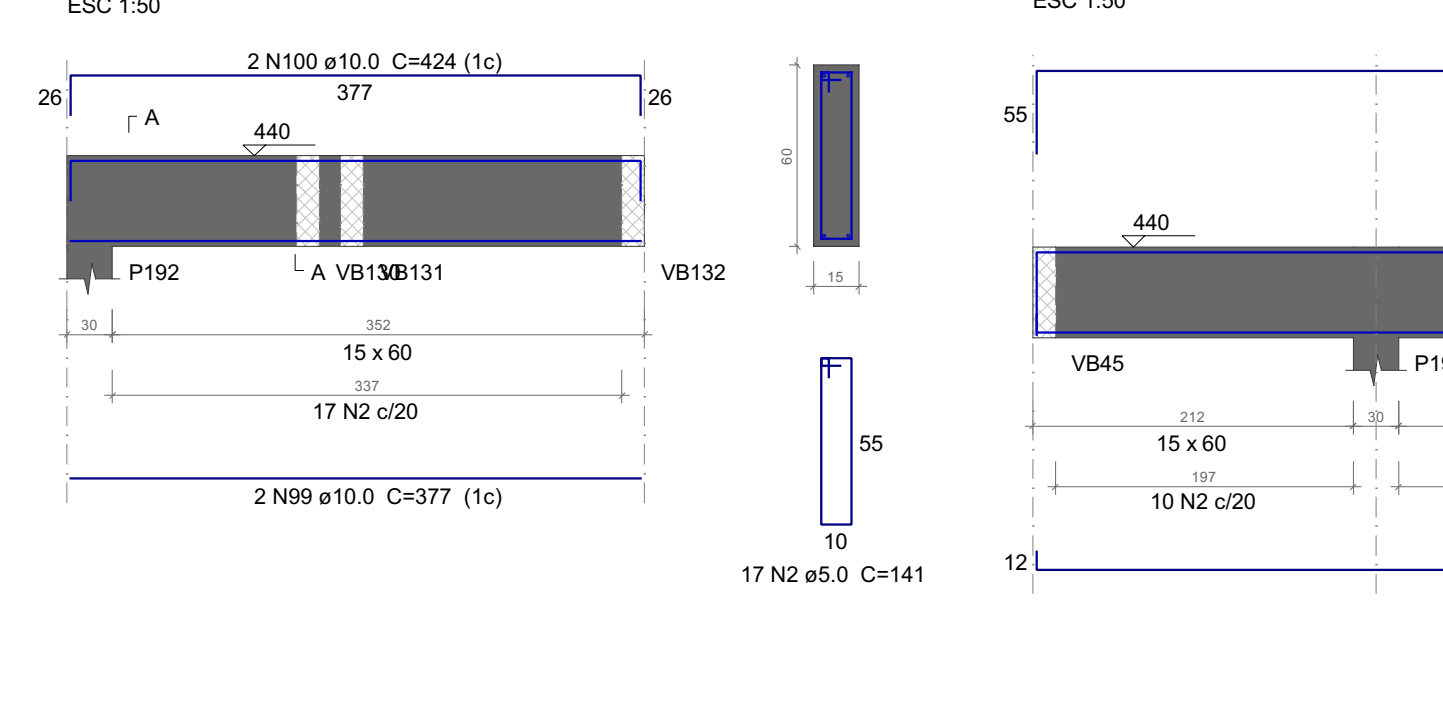
VB30

ESC 1:50



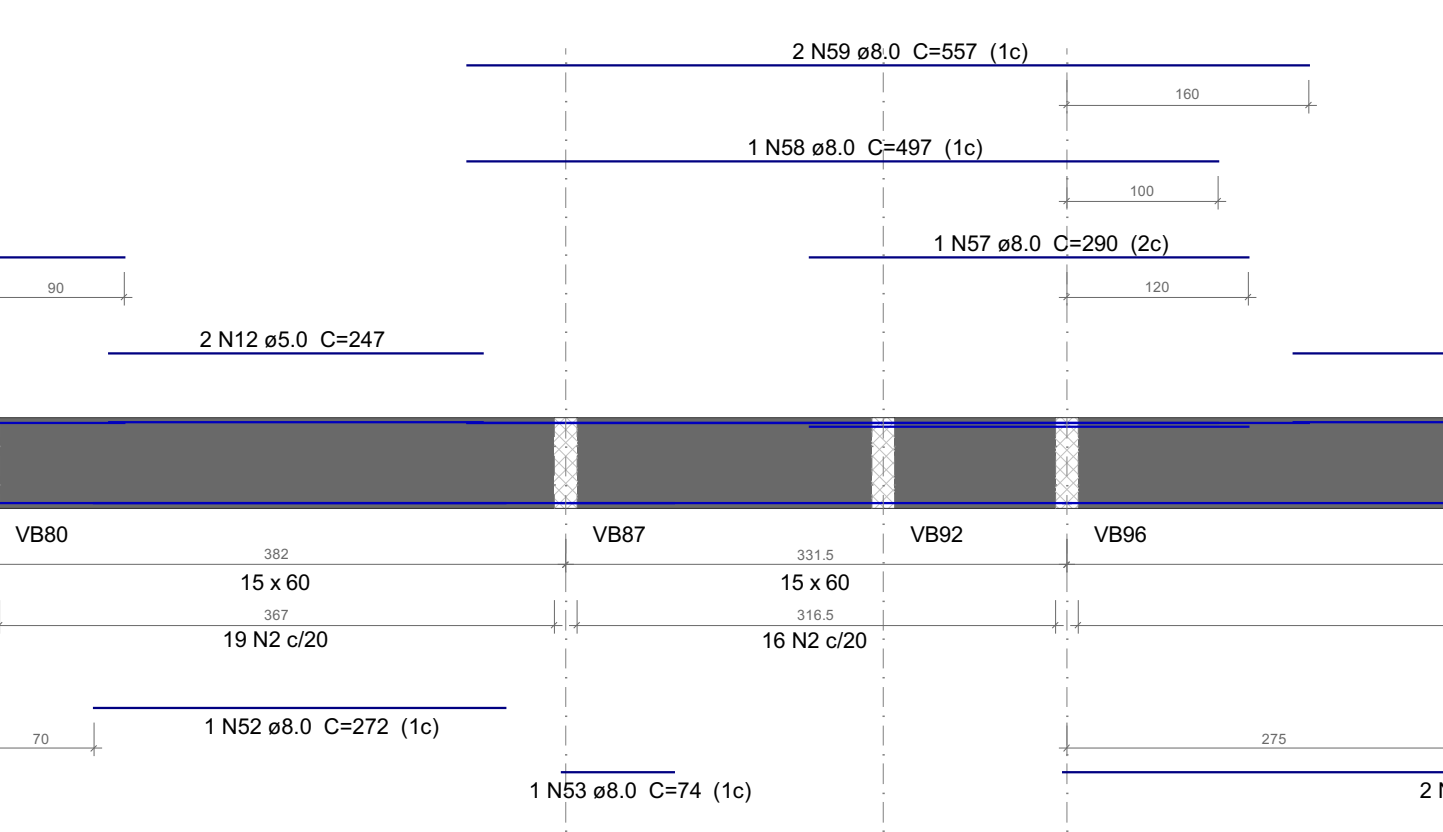
VB32

ESC 1:50



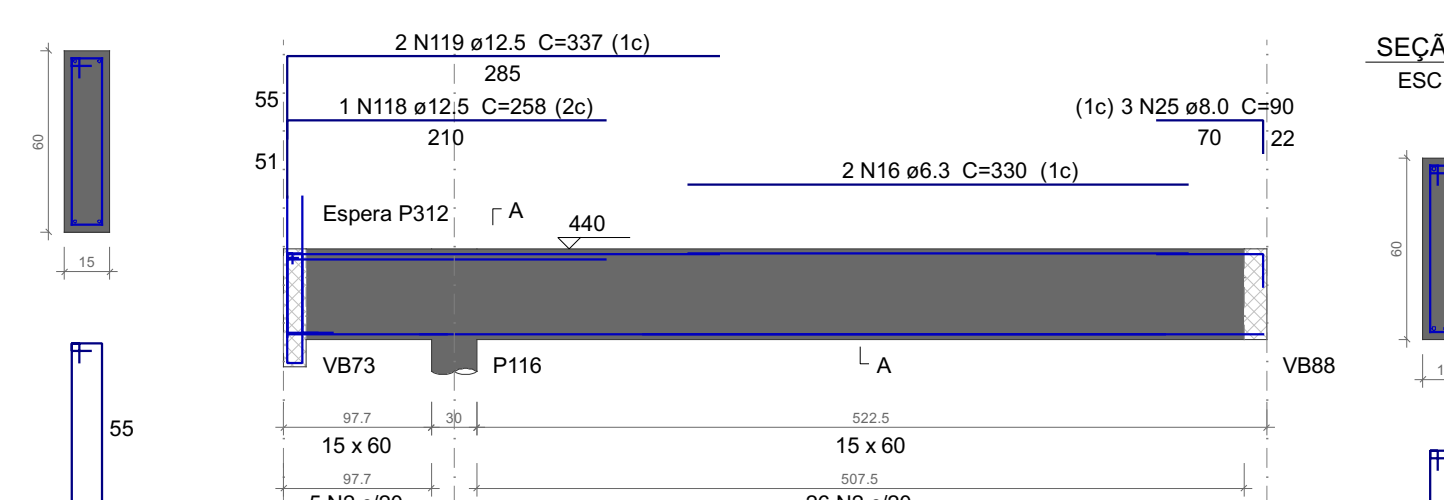
VB34

ESC 1:50



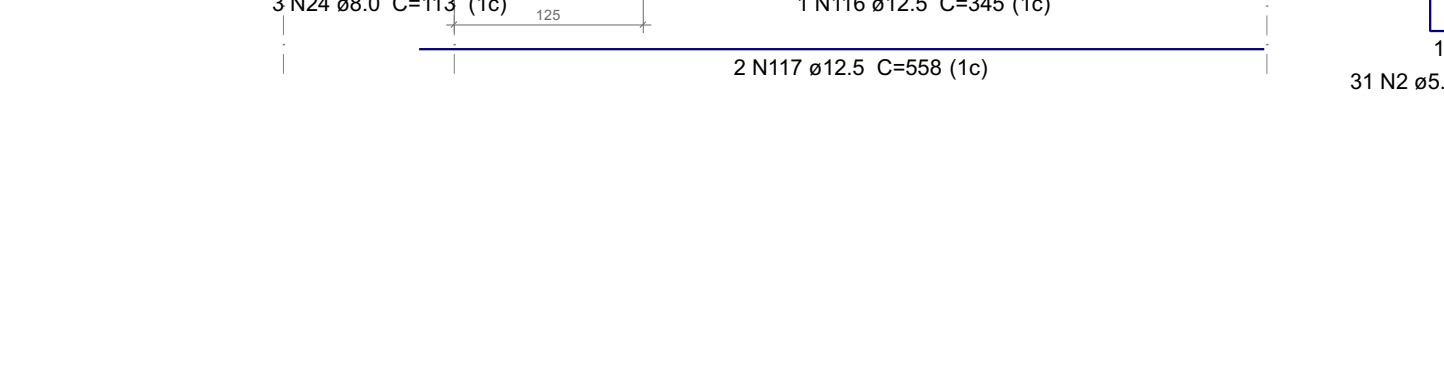
VB24

ESC 1:50



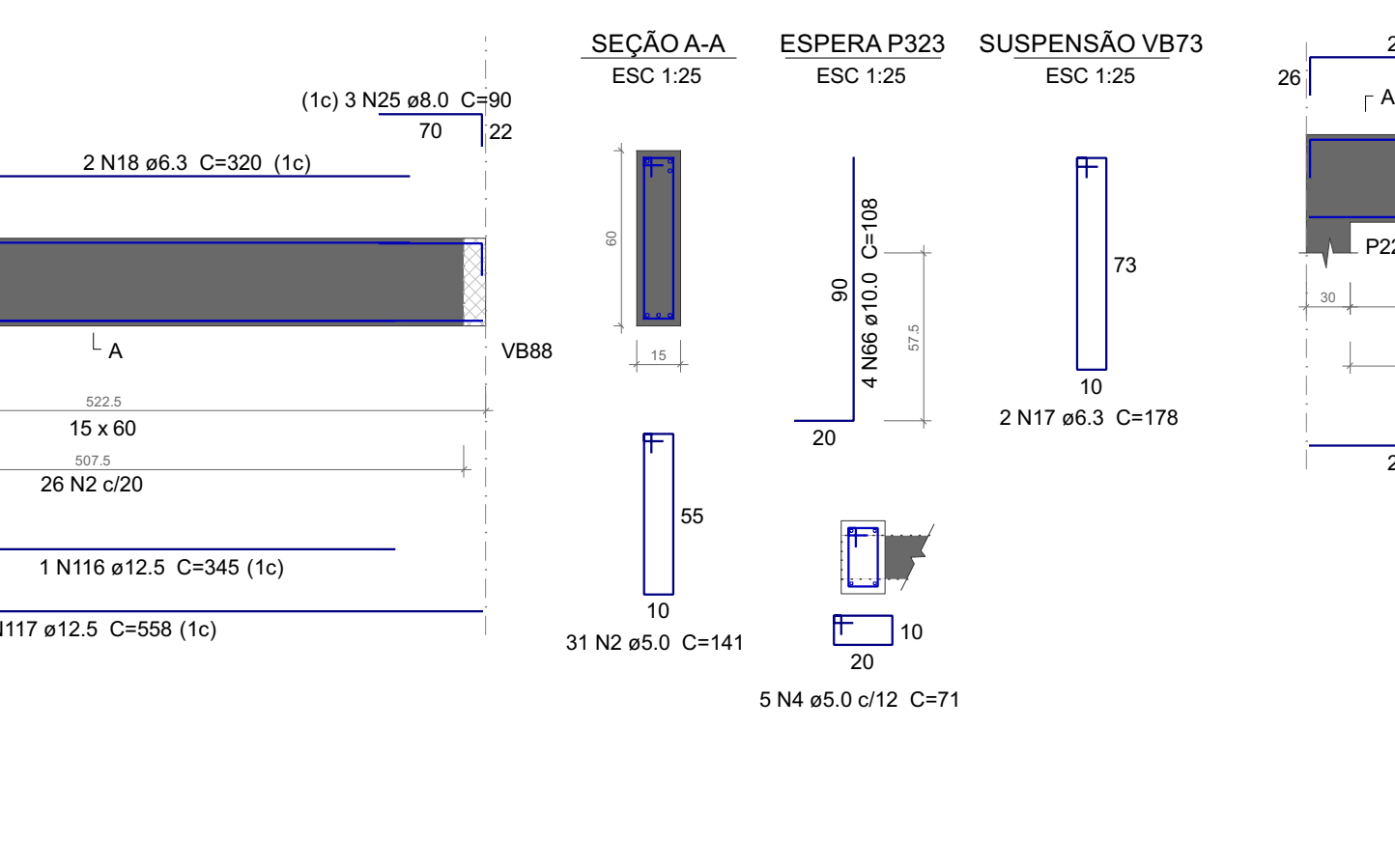
VB26

ESC 1:50



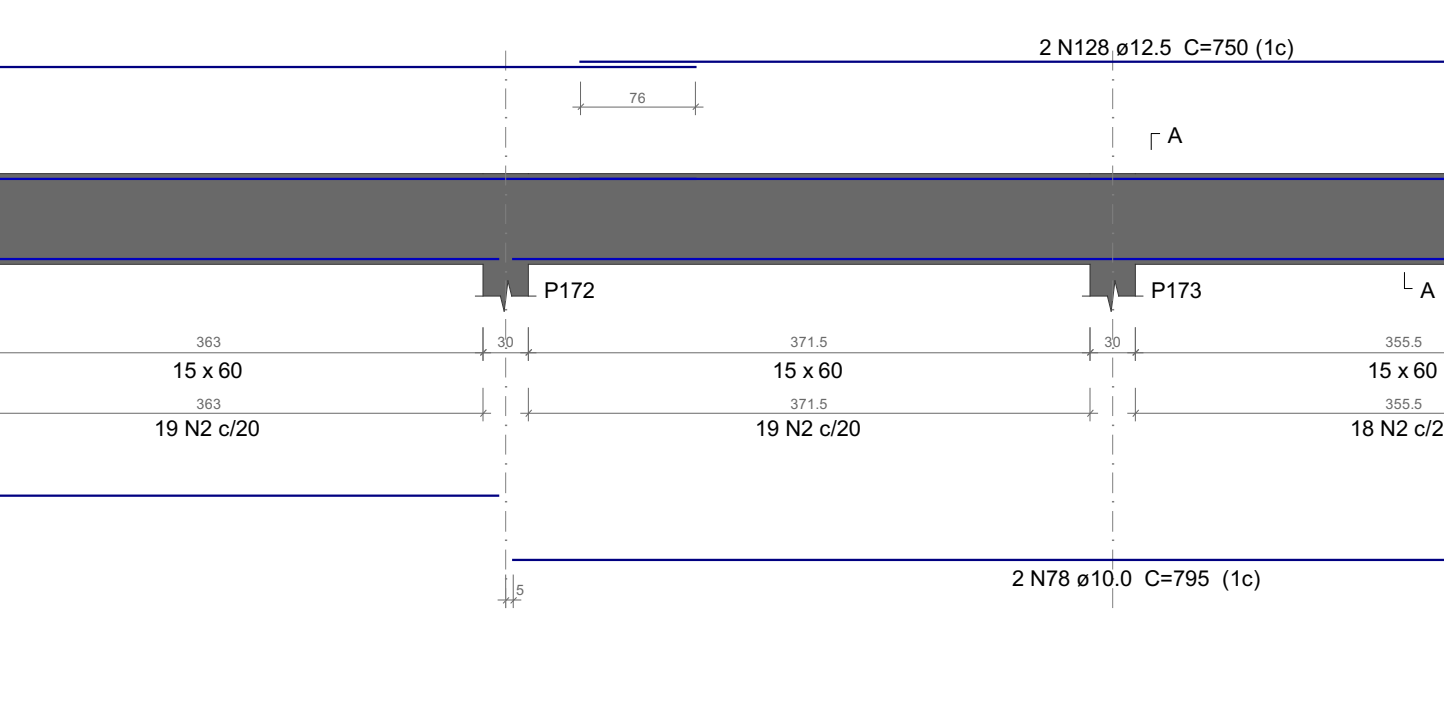
VB28

ESC 1:50



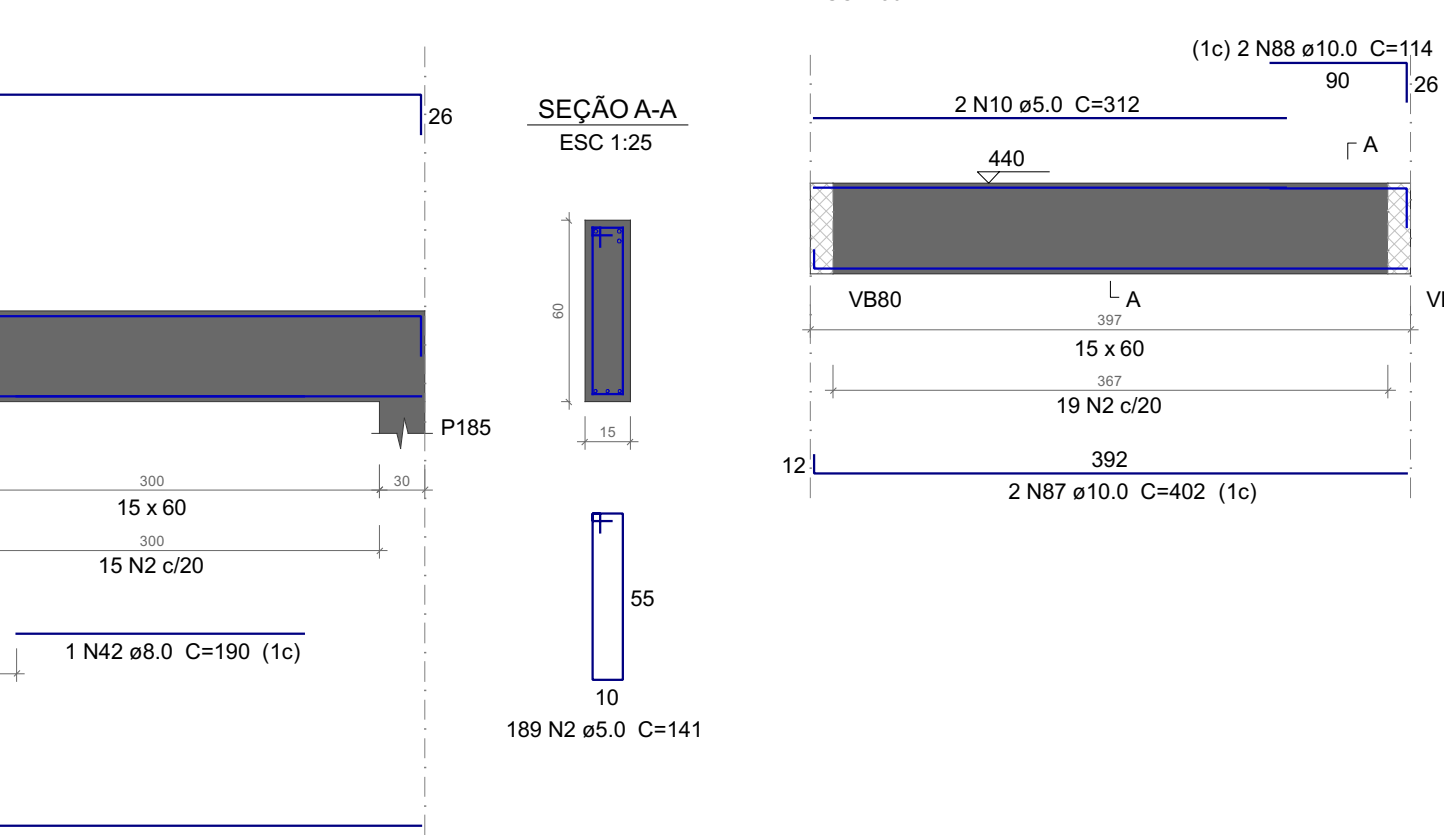
VB30

ESC 1:50



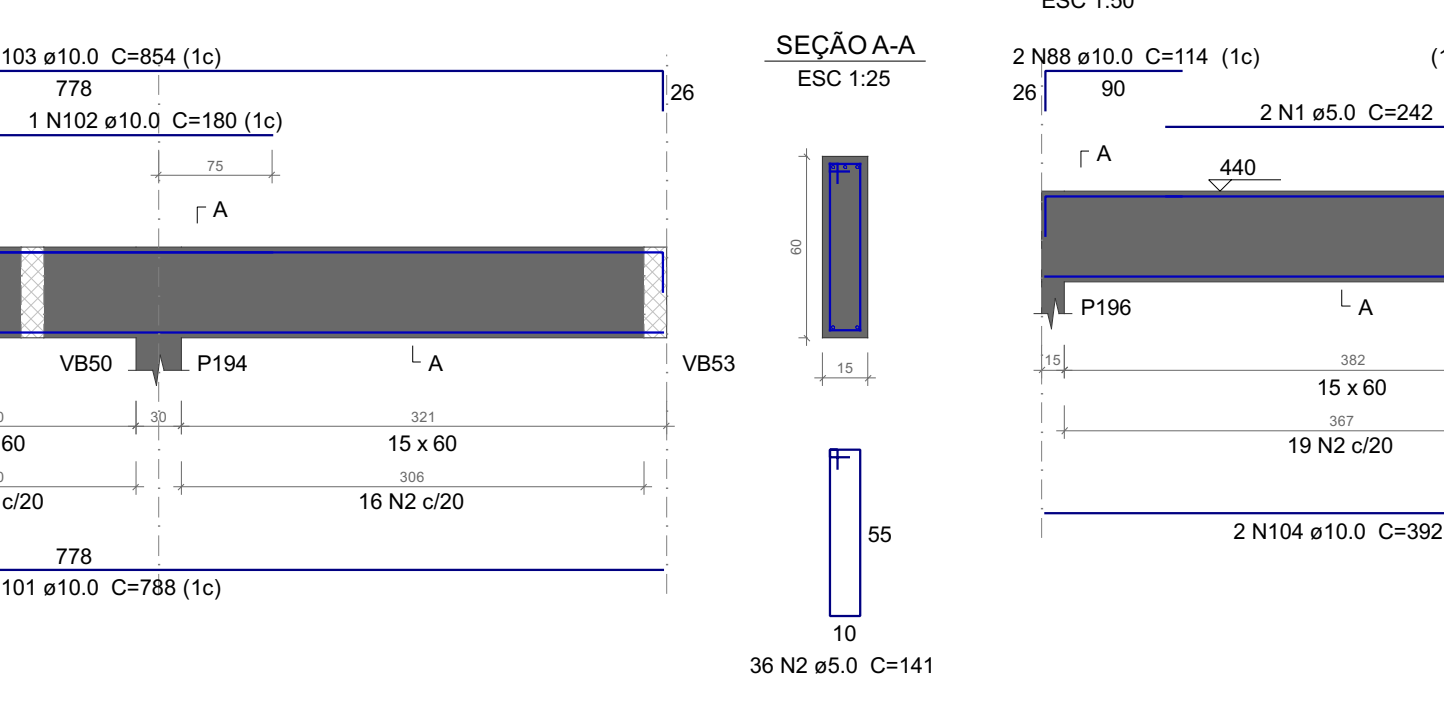
VB32

ESC 1:50



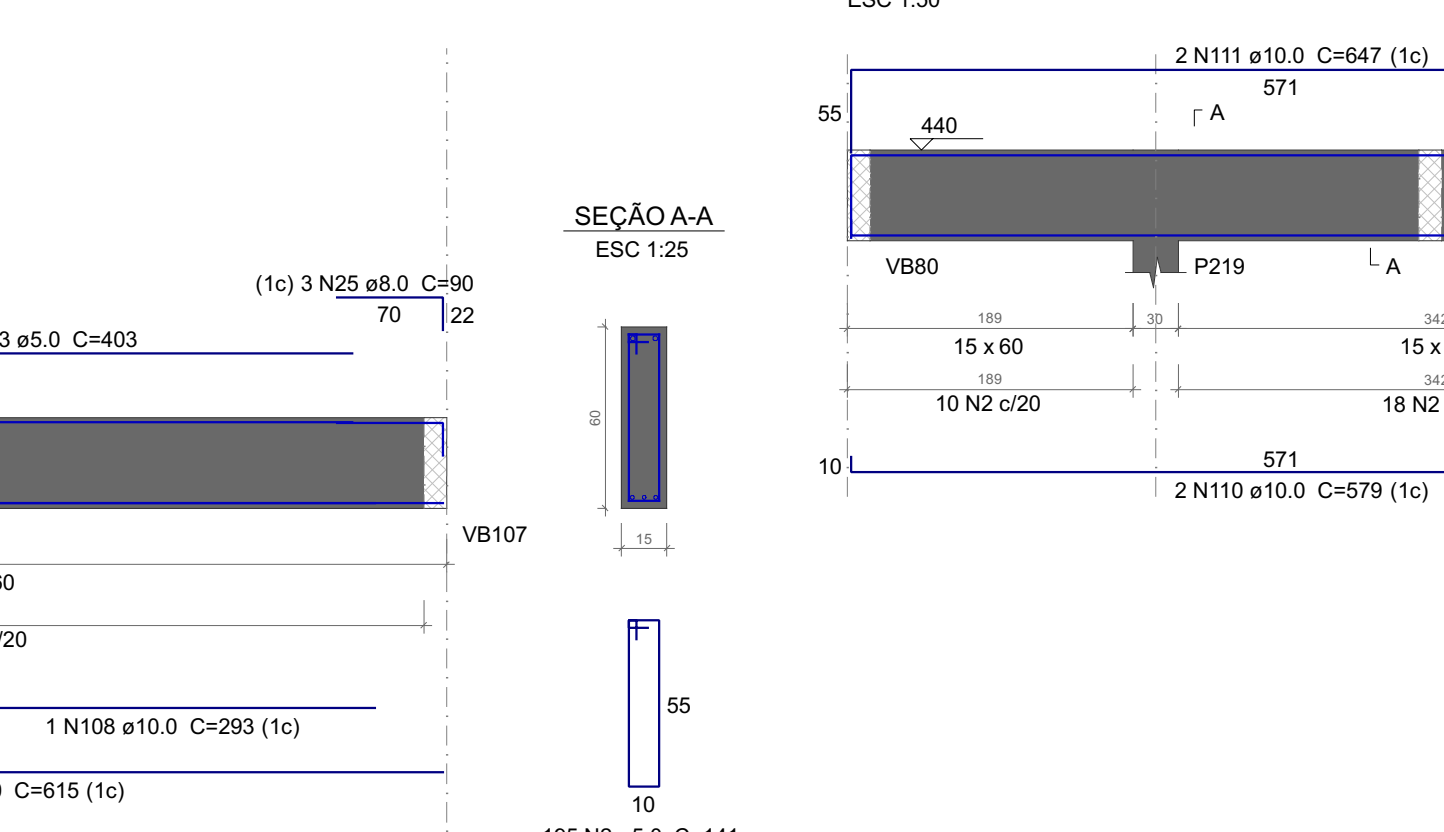
VB34

ESC 1:50



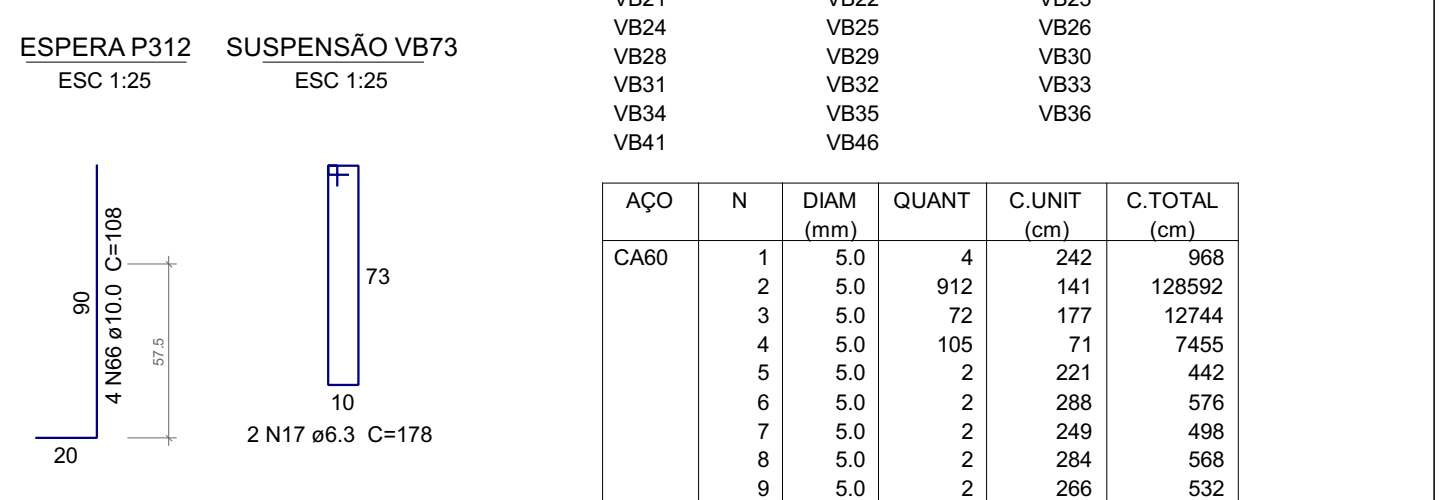
VB36

ESC 1:50



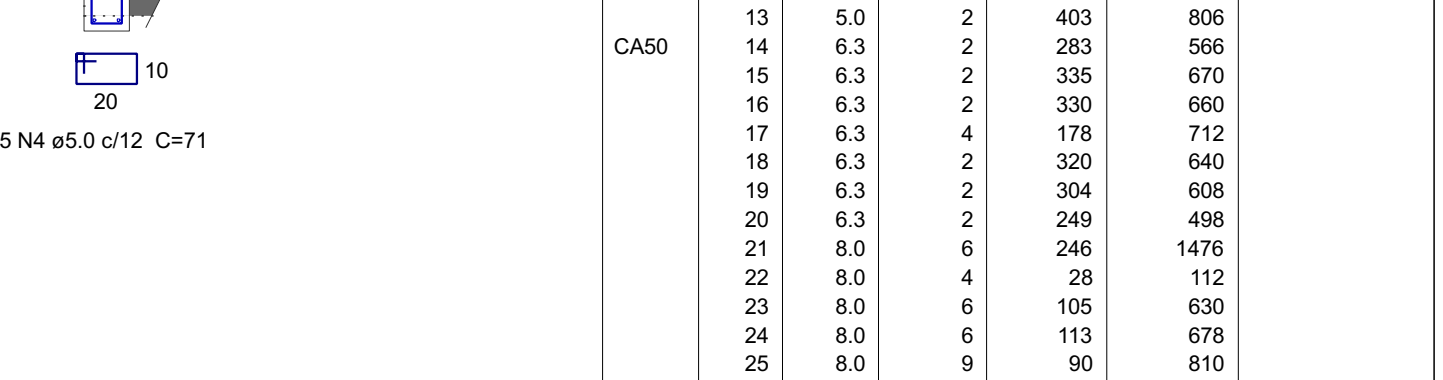
VB24

ESC 1:50



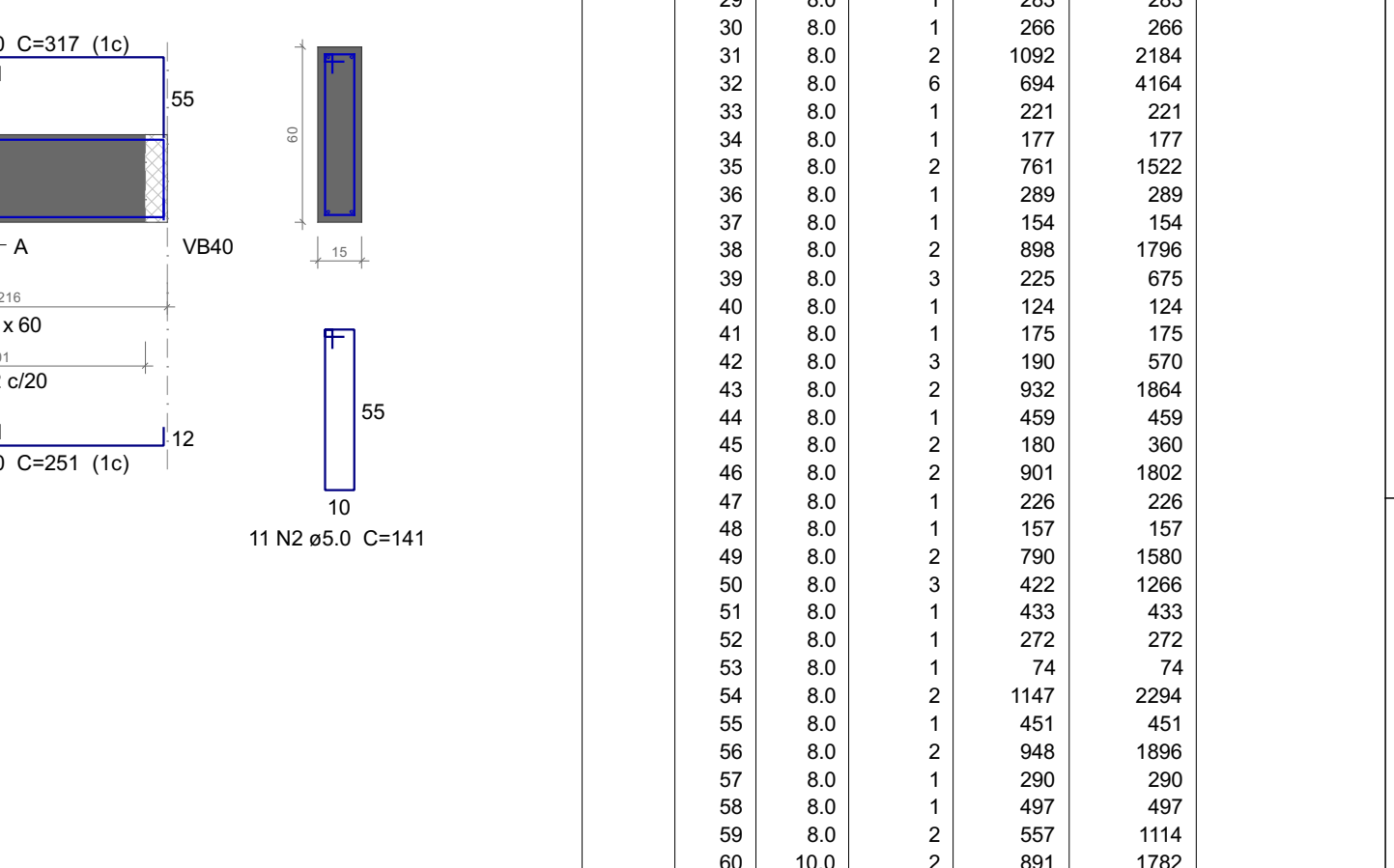
VB26

ESC 1:50



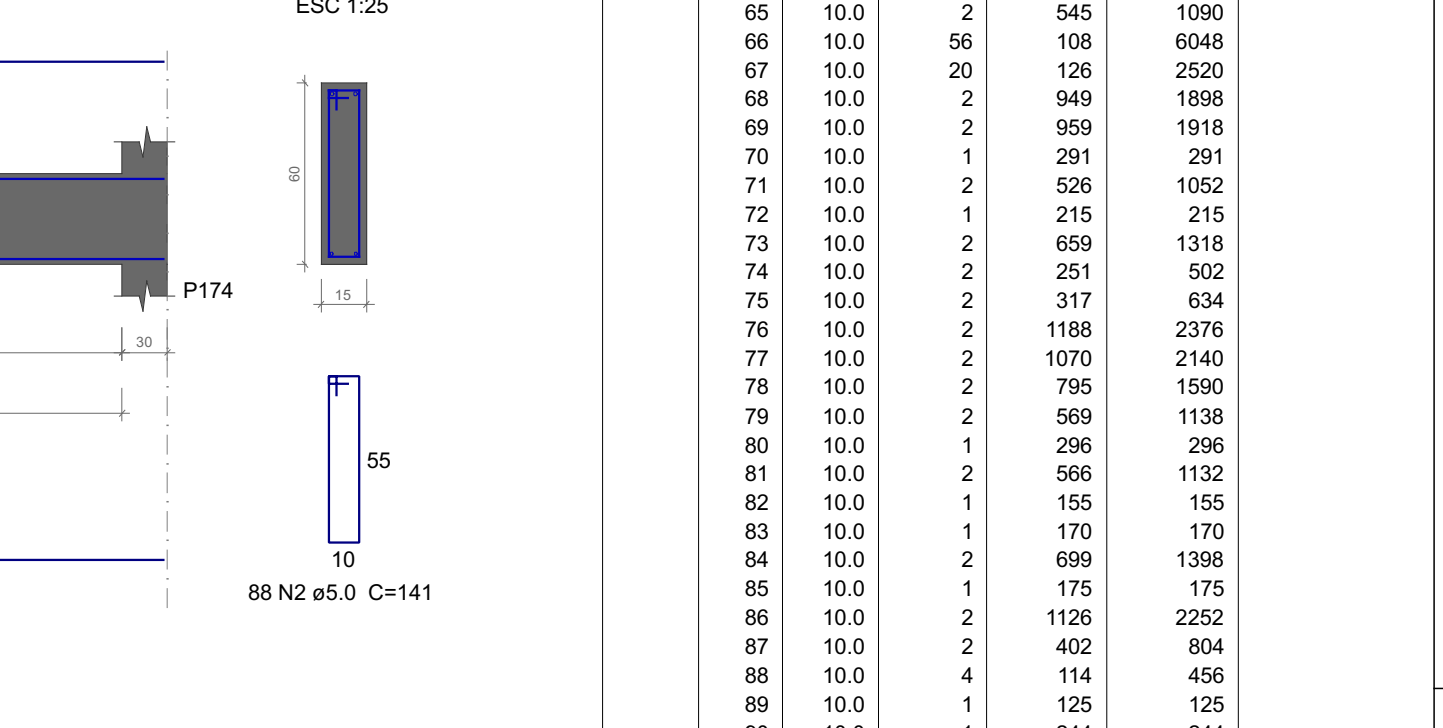
VB28

ESC 1:50



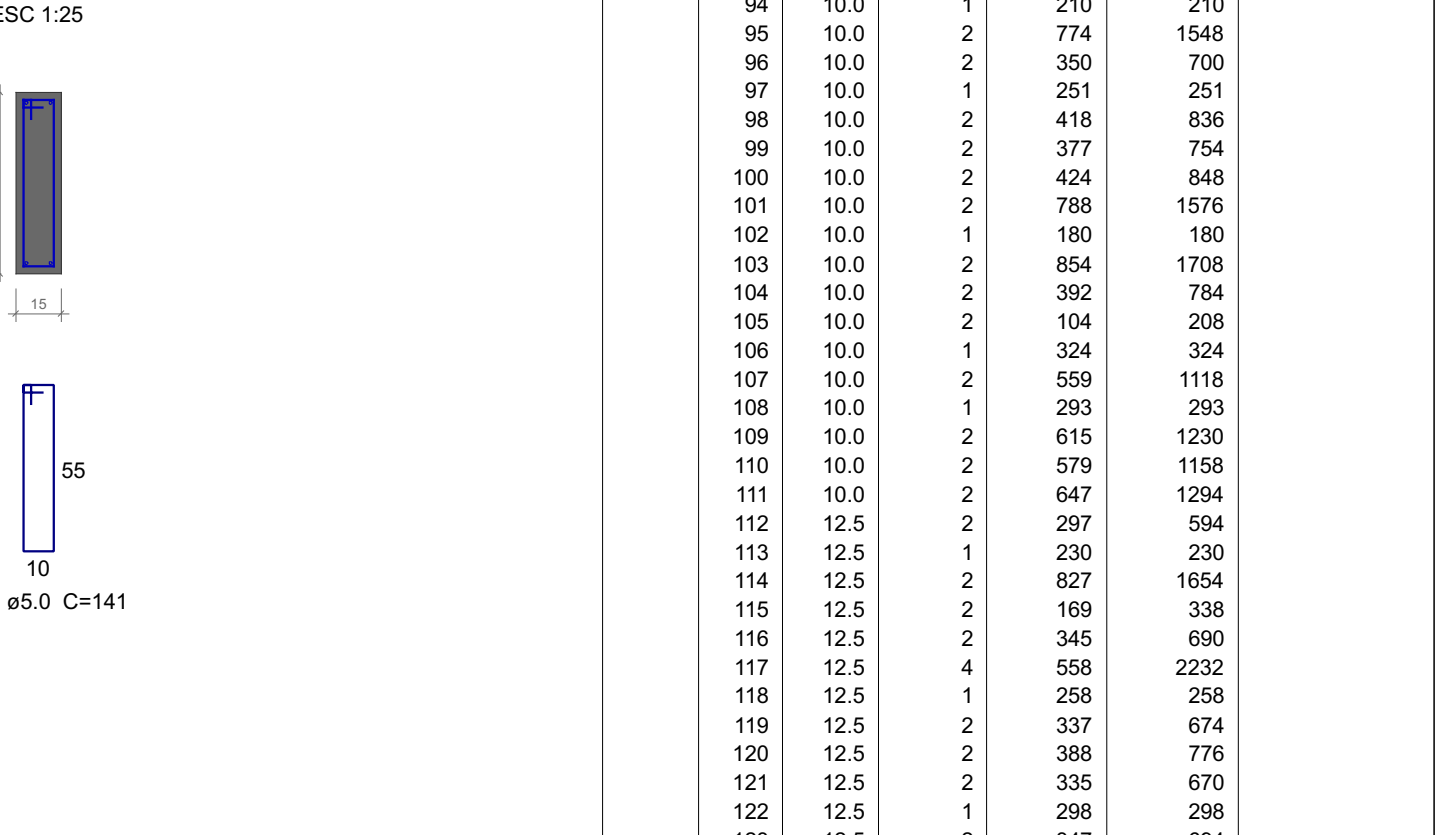
VB30

ESC 1:50



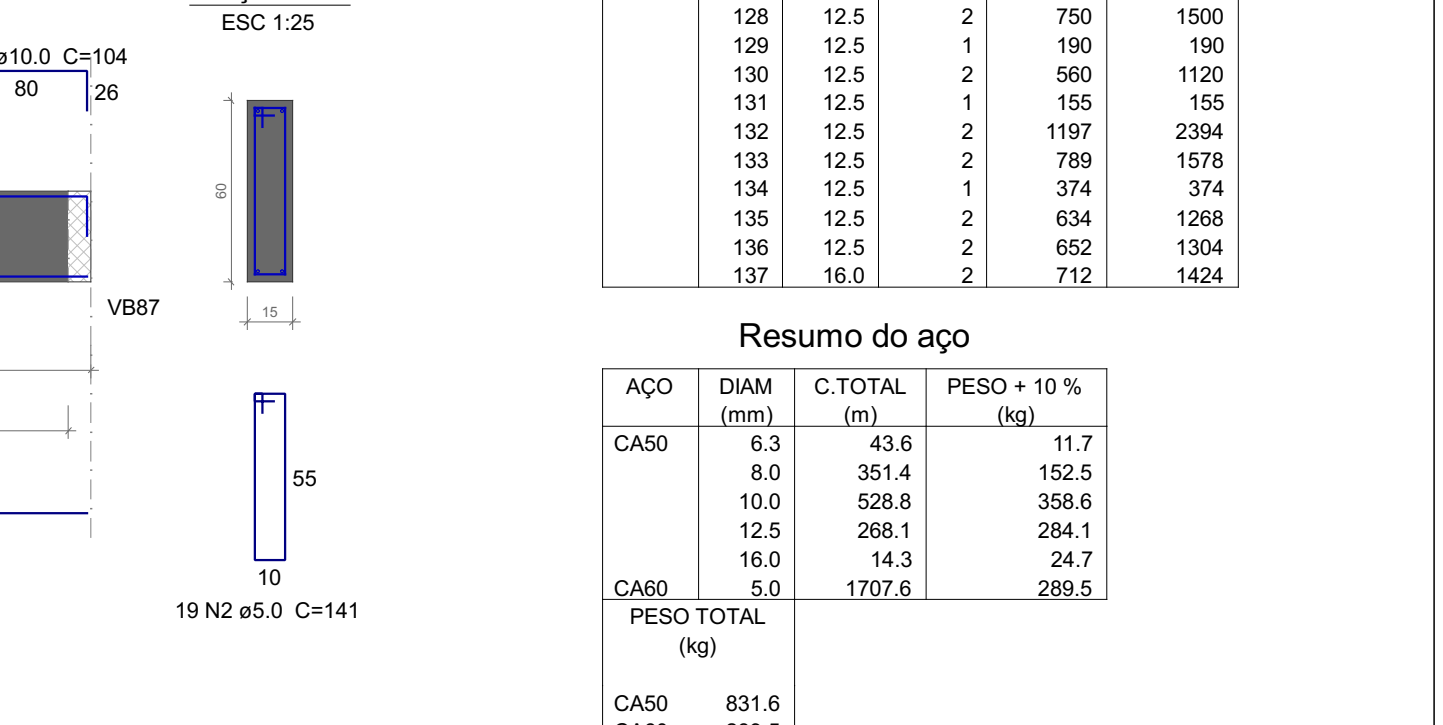
VB32

ESC 1:50



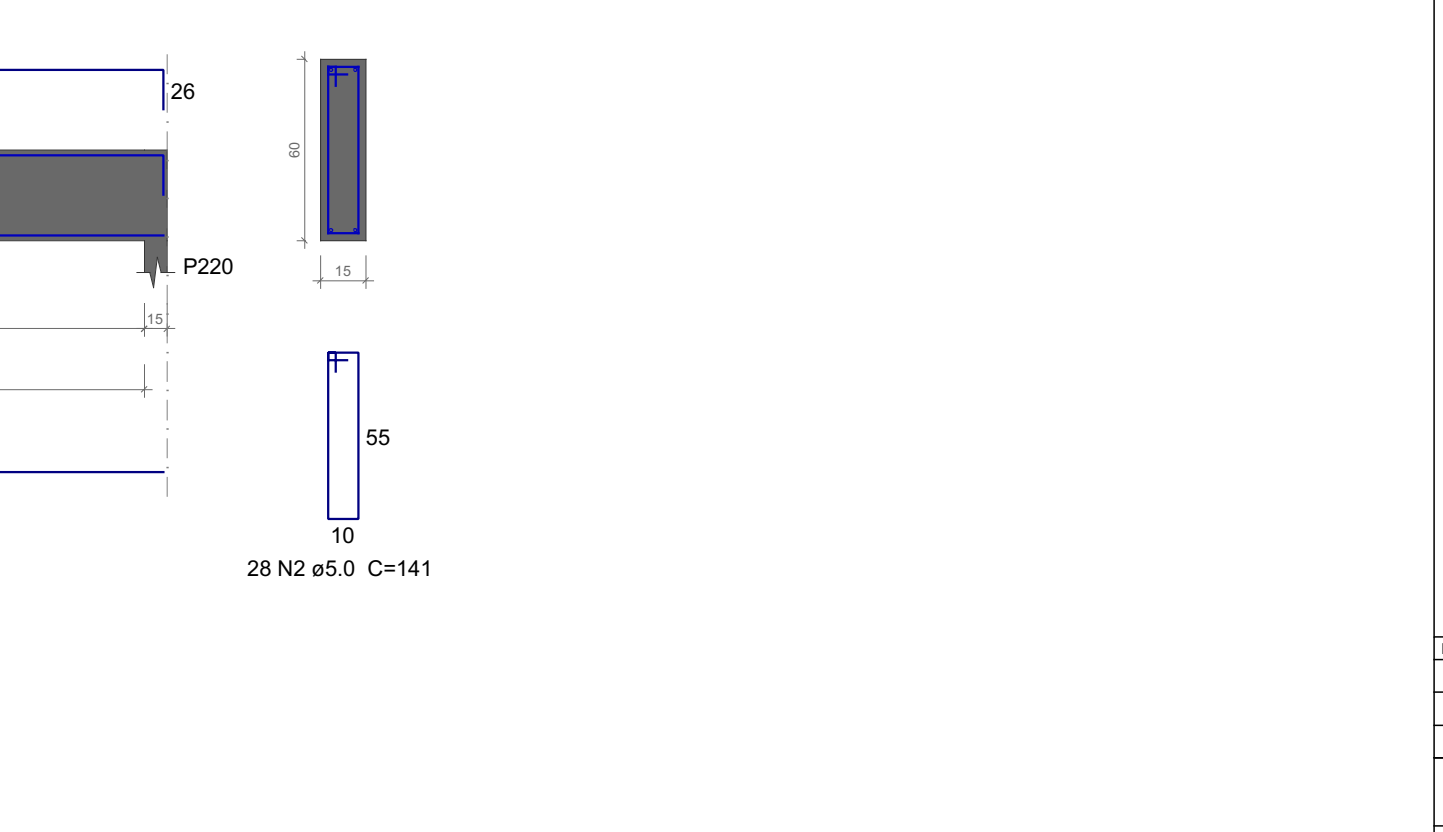
VB34

ESC 1:50



VB36

ESC 1:50



Relação do aço

ACO	N	DMM (mm)	QUANT	C.UNIT (kg)	C.TOTAL (kg)
CASO	1	5.0	4	242	968
	2	5.0	141	13502	
	3	5.0	72	177	12744
	4	5.0	105	71	7455
	5	5.0	2	221	442
	6	5.0	2	288	576
	7	5.0	2	249	498
	8	5.0	2	266	532
	9	5.0	2	312	624
	10	5.0	109	151	16459
	12	5.0	2	247	494
	13	5.0	2	403	806
	14	6.3	2	283	566
	15	6.3	2	330	660
	16	6.3	2	330	660
	17	6.3	2	330	660
	18	6.3	2	330	660
	19	6.3	2	330	660
	20	6.3	2	249	498
	21	6.3	2	249	498
	22	8.0	4	28	112
	23	8.0	6	105	630
	24	8.0	6	113	678
	25	8.0	9	90	810
	26	8.0	6	511	3066
	27	8.0	1	140	140
	28	8.0	1	256	256
	29	8.0	1	283	283
	30	8.0	1	286	286
	31	8.0	2	1952	2184
	32	8.0	1	584	4164
	33	8.0	1	221	221
	34	8.0	1	177	177
	35	8.0	2	761	1522
	36	8.0	1	288	288
	37	8.0	1	154	154
	38	8.0	2	898	1796
	39	8.0	3	225	675
	40	8.0	1	124	124
	41	8.0	1	175	175
	42	8.0	3	190	570
	43	8.0	2	1964	3928
	44	8.0	1	459	459
	45	8.0	1	180	180
	46	8.0	2	901	1802
	47	8.0	1	225	225
	48	8.0	1	157	157
	49	8.0	1	76	158
	50	8.0	3	422	1266
	51	8.0	1	433	433
	52	8.0	1	272	272
	53	8.0	1	74	74
	54	8.0	2	1147	2294
	55	8.0	1	451	451
	56	8.0	1	948	1896
	57	8.0	1	200	200
	58	8.0	2	557	1114
	59	8.0	1	891	1782
	60	10.0	3	261	783
	61	10.0	3	120	360
	62	10.0	1	312	312
	63	10.0	2	545	1090
	64	10.0	1	312	312
	65	10.0	2	545	1090
	66	10.0	36	108	6048
	67	10.0	20	138	2760
	68	10.0	2	949	1898
	69	10.0	2	559	1118
	70	10.0	1	291	291
	71	10.0	2	1052	2104
	72	10.0	1	215	215
	73	10.0	1	215	215
	74	10.0	2	552	1104
	75	10.0	2	517	1034
	76	10.0	2	1188	2376
	77	10.0	2	1070	2140
	78	10.0	2	795	1590
	79	10.0	2	569	1138
	80	10.0	1	296	296
	81	10.0	2	566	1132
	82	10.0	1	155	155
	83	10.0	1	170	170
	84	10.0	2	599	1198
	85	10.0	1	175	175
	86	10.0	2	1108	2216
	87	10.0	2	402	804
	88	10.0	4	114	456
	89	10.0	1	125	125
	90	10.0	1	244	244
	91	10.0	1	214	214
	92	10.0	2	1991	2182
	93	10.0	1	217	217
	94	10.0	1	210	210
	95	10.0	2	774	1548
	96	10.0	2	350	700
	97	10.0	1	251	251
	98	10.0	2	418	836
	99	10.0	2	377	754
	100	10.0	2	424	848
	101	10.0	2	788	1576
	102	10.0	1	180	180
	103	10.0	2	864	1728
	104	10.0	2	392	784
	105	10.0	2	104	208
	106	10.0	1	324	324
	107	10.0	2	559	1118
	108	10.0	1	293	293
	109	10.0	2	615	1230
	110	10.0	2	579	1158
	111	10.0	2	647	1294
	112	12.5	2	297	594
	113	12.5	1	230	230
	114	12.5	2	627	1254
	115	12.5	2	169	338
	116	12.5	2	345	690
	117	12.5	4	506	2024
	118	12.5	2	258	516
	119	12.5	2	337	674
	120	12.5	2	388	776
	121	12.5	2	330	670
	122	12.5	1	298	298
	123	12.5	2	347	694
	124	12.5	2	708	1416
	125	12.5	2	1197	2394
	126	12.5	2	803	1606
	127	12.5	2	1200	2400
	128	12.5	2	750	1500
	129	12.5	1	190	190
	130	12.5	2	560	1120
	131	12.5	1	105	105
	132	12.5	1	105	105
	133	12.5	2	1197	2394
	134	12.5	1	374	374
	135	12.5	2	634	1268
	136	12.5	2	652	1304
	137	16.0	2	712	1424

Resumo do aço

ACO	DMM (mm)	C. TOTAL (kg)	PESO + 10 % (kg)
CASO	6.3	43.8	11.7
	8.0	351.4	55.2
	10.0	528.8	358.8
	12.5	281.1	281.1
	16.0	14.3	24.7
CASO	10.0	1707.6	389.5

Resumo do concreto

ACO	DMM (mm)	C. TOTAL (kg)	PESO + 10 % (kg)
CASO	8.0	831.8	100.5
CASO	10.0	288.5	35.5

Resumo do aço

ACO
