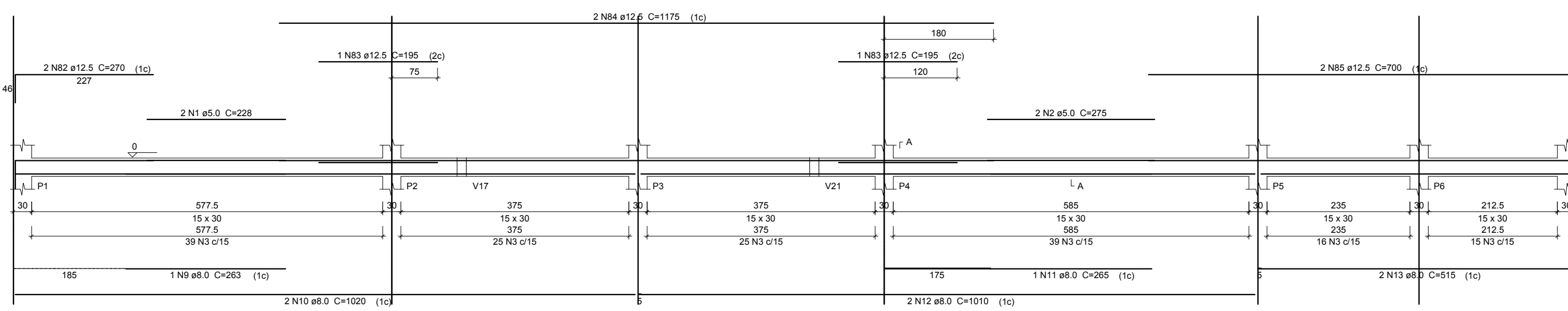


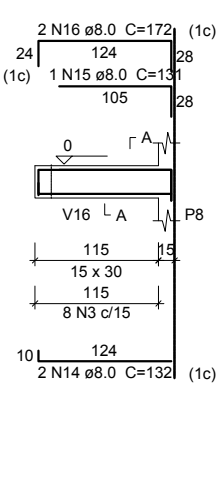
V1

ESC 1:50



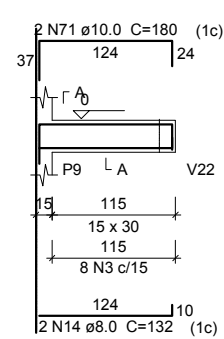
V2

ESC 1:50



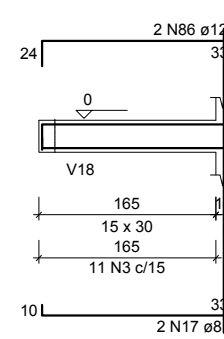
V3

ESC 1:50



V4

ESC 1:50



Relação do aço

CAO	N	DIAM	Q	UNIT	C.TOTAL
CAO5	1	5.0	2	228	456
CAO6	2	5.0	4	275	1100
CAO7	3	5.0	1251	78	97578
CAO8	4	5.0	2	290	580
CAO9	5	5.0	2	288	576
CAO10	6	5.0	8	220	1760
CAO11	7	5.0	2	240	480
CAO12	8	5.0	4	270	1080
CAO13	9	8.0	2	263	526
CAO14	10	8.0	2	1020	2040
CAO15	11	8.0	1	265	265
CAO16	12	8.0	2	1010	2020
CAO17	13	8.0	6	515	3090
CAO18	14	8.0	4	132	528
CAO19	15	8.0	2	131	262
CAO20	16	8.0	2	172	344
CAO21	17	8.0	2	355	710
CAO22	18	8.0	2	274	548
CAO23	19	8.0	2	310	620
CAO24	20	8.0	2	765	1530
CAO25	21	8.0	1	273	273
CAO26	22	8.0	2	1132	2264
CAO27	23	8.0	2	142	284
CAO28	24	8.0	1	118	118
CAO29	25	8.0	2	179	358
CAO30	26	8.0	2	189	378
CAO31	27	8.0	2	229	458
CAO32	28	8.0	10	524	5240
CAO33	29	8.0	4	560	2240
CAO34	30	8.0	2	624	1248
CAO35	31	8.0	2	661	1322
CAO36	32	8.0	2	324	648
CAO37	33	8.0	2	361	722
CAO38	34	8.0	2	1131	2262
CAO39	35	8.0	2	1084	2168
CAO40	36	8.0	2	315	630
CAO41	37	8.0	4	1200	4800
CAO42	38	8.0	2	278	556
CAO43	39	8.0	2	1030	4120
CAO44	40	8.0	12	155	1860
CAO45	41	8.0	4	215	860
CAO46	42	8.0	2	595	1190
CAO47	43	8.0	1	245	245
CAO48	44	8.0	2	124	248
CAO49	45	8.0	2	160	320
CAO50	46	8.0	2	1037	2074
CAO51	47	8.0	2	522	1044
CAO52	48	8.0	3	195	585
CAO53	49	8.0	2	145	290
CAO54	50	8.0	2	860	1720
CAO55	51	8.0	4	173	692
CAO56	52	8.0	4	286	1144
CAO57	53	8.0	4	202	808
CAO58	54	8.0	4	234	936
CAO59	55	8.0	1	89	89
CAO60	56	8.0	2	149	298
CAO61	57	8.0	2	115	230
CAO62	58	8.0	6	175	1050
CAO63	59	8.0	6	235	1410
CAO64	60	8.0	2	304	608
CAO65	61	8.0	2	322	644
CAO66	62	8.0	2	280	560
CAO67	63	8.0	1	280	280
CAO68	64	8.0	2	540	1080
CAO69	65	8.0	2	344	688
CAO70	66	8.0	2	380	760
CAO71	67	8.0	1	155	155
CAO72	68	8.0	1	550	550
CAO73	69	8.0	2	1123	2246
CAO74	70	8.0	2	181	362
CAO75	71	10.0	2	180	360
CAO76	72	10.0	2	612	1224
CAO77	73	10.0	1	190	190
CAO78	74	10.0	2	194	388
CAO79	75	10.0	4	171	684
CAO80	76	10.0	2	704	1408
CAO81	77	10.0	2	147	294
CAO82	78	10.0	2	568	1136
CAO83	79	10.0	1	161	161
CAO84	80	10.0	1	139	139
CAO85	81	10.0	2	588	1176
CAO86	82	12.5	2	270	540
CAO87	83	12.5	2	195	390
CAO88	84	12.5	2	1175	2350
CAO89	85	12.5	2	700	1400
CAO90	86	12.5	2	381	762
CAO91	87	12.5	1	235	235
CAO92	88	12.5	1	200	200
CAO93	89	12.5	2	1183	2366
CAO94	90	12.5	2	686	1372

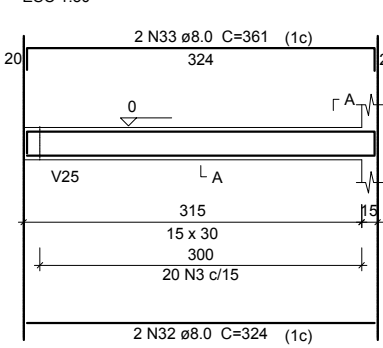
Resumo do aço

CAO	DIAM	C.TOTAL	PESO + 10 %
CAO5	8.0	686.1	297.8
CAO6	10.0	71.5	48.6
CAO7	12.5	96.2	101.9
CAO8	5.0	1036.3	175.7
CAO9	448.2		
CAO10	175.7		

Vol. de concreto total (C-25) = 9.08 m³
Área de forma total = 151.58 m²

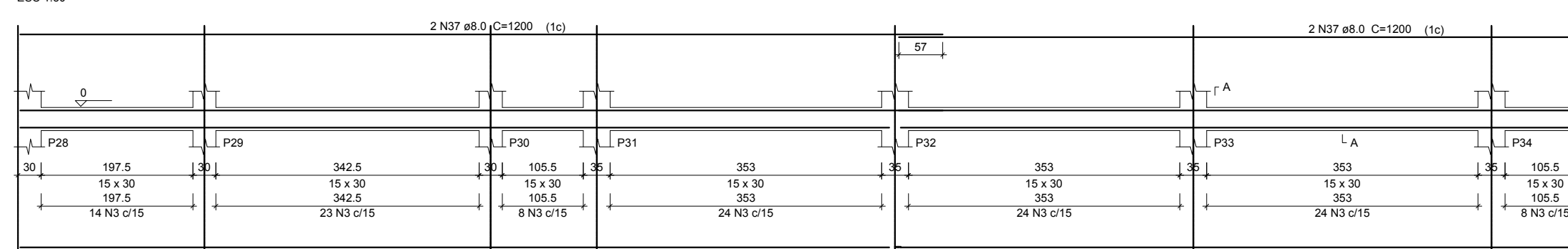
V11

ESC 1:50



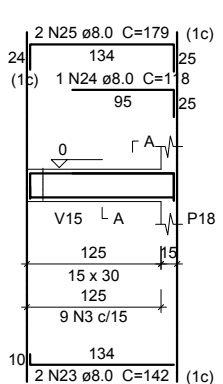
V12

ESC 1:50



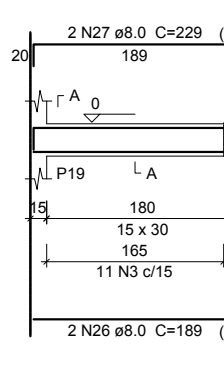
V7

ESC 1:50



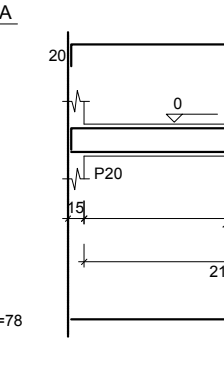
V8

ESC 1:50



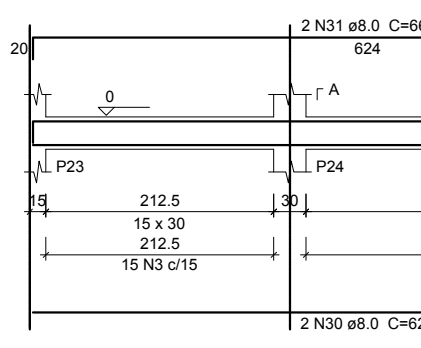
V9

ESC 1:50



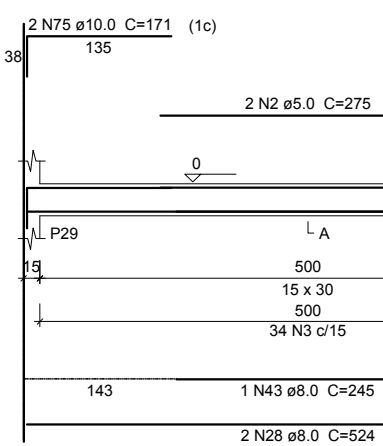
V10

ESC 1:50



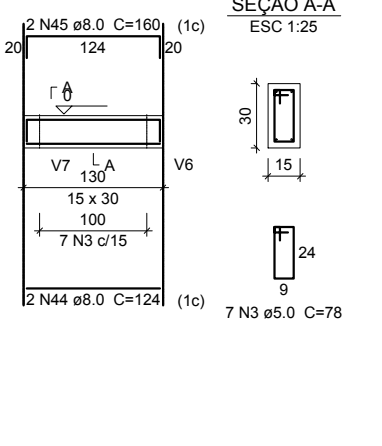
V14

ESC 1:50



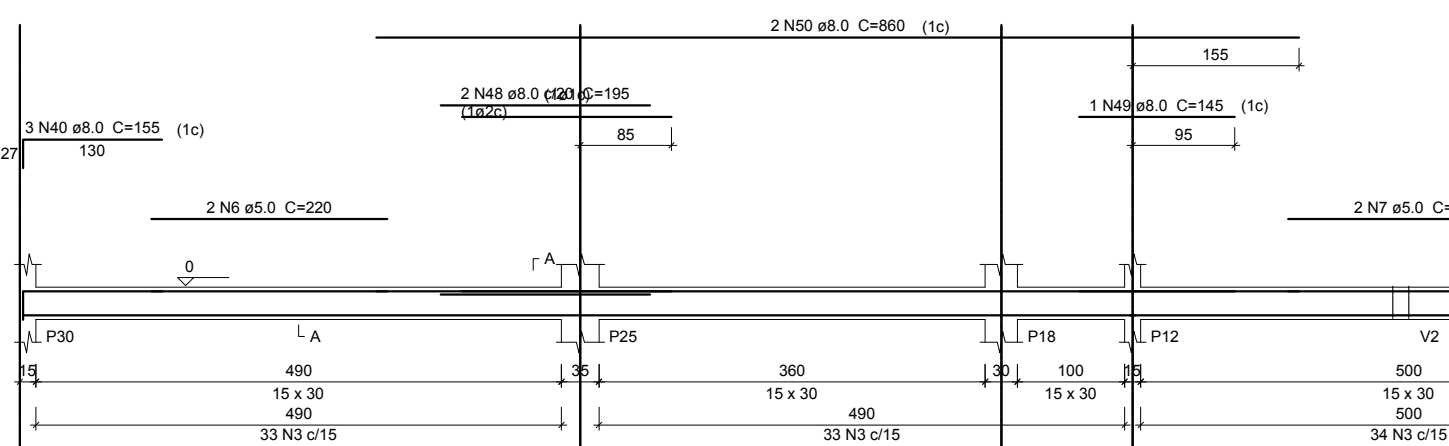
V15

ESC 1:50



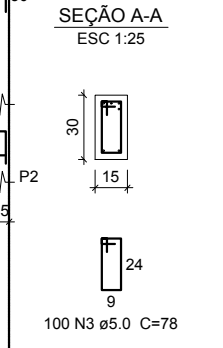
V16

ESC 1:50



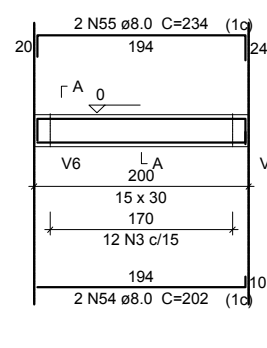
V17

ESC 1:50



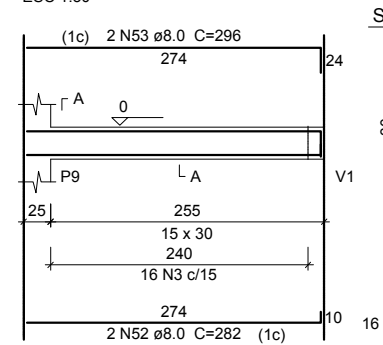
V18

ESC 1:50



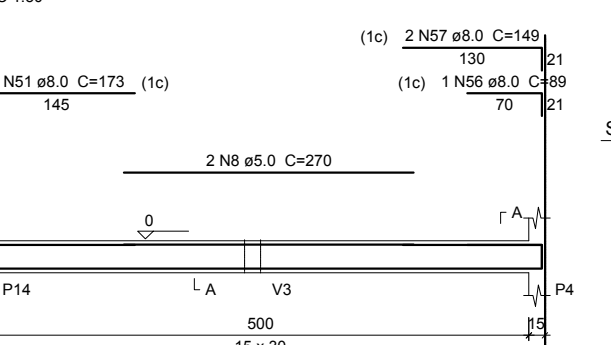
V21

ESC 1:50



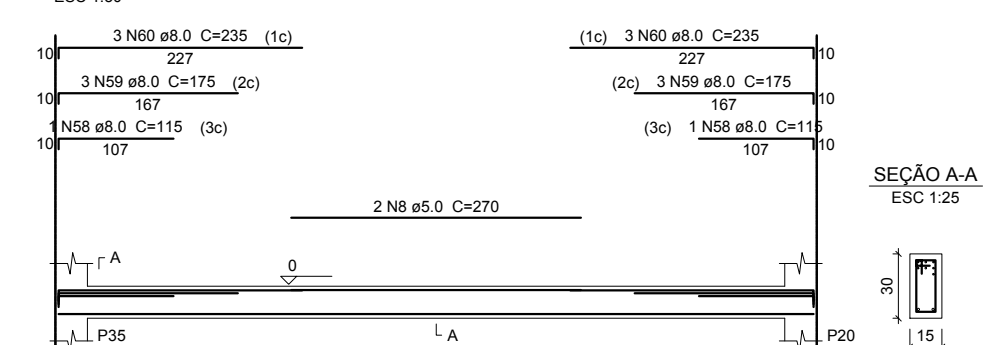
V22

ESC 1:50



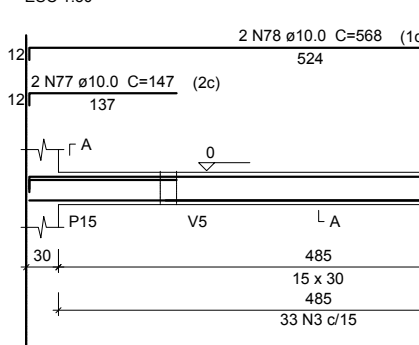
V23

ESC 1:50



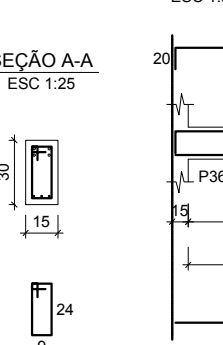
V24

ESC 1:50



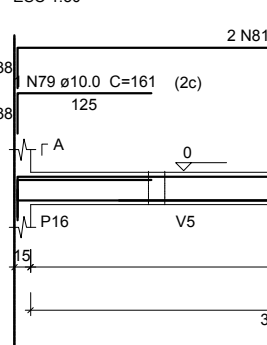
V25

ESC 1:50



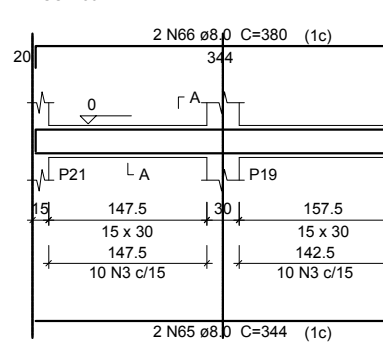
V26

ESC 1:50



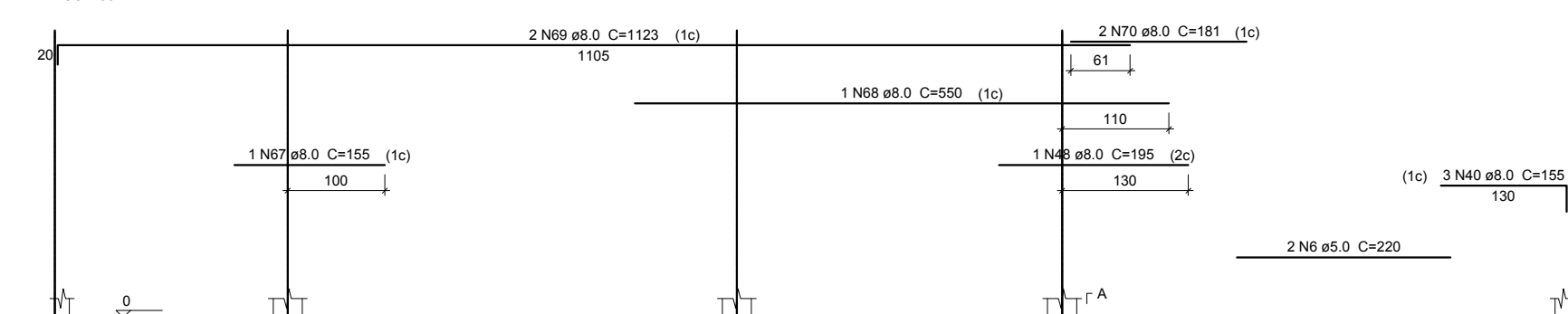
V27

ESC 1:50



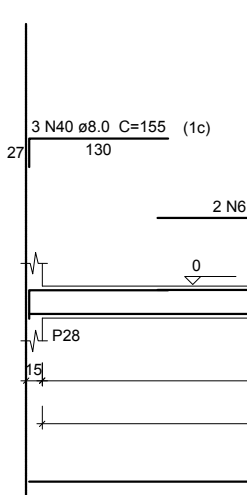
V28

ESC 1:50



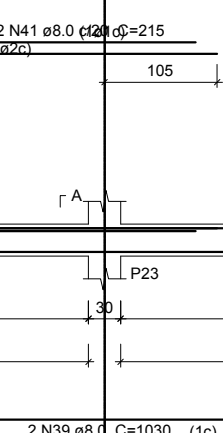
V13

ESC 1:50



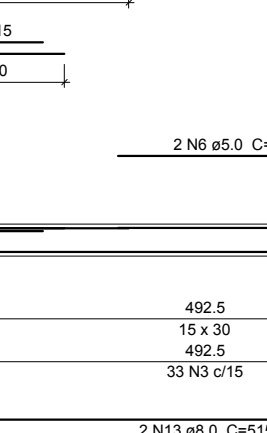
V19

ESC 1:50



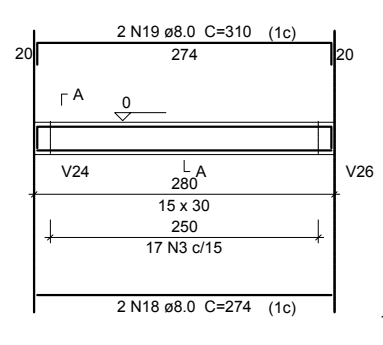
V20

ESC 1:50



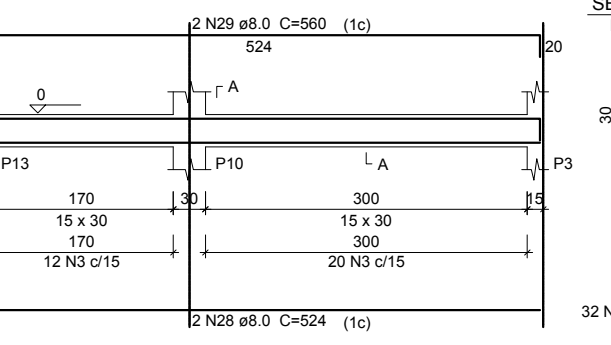
V5

ESC 1:50



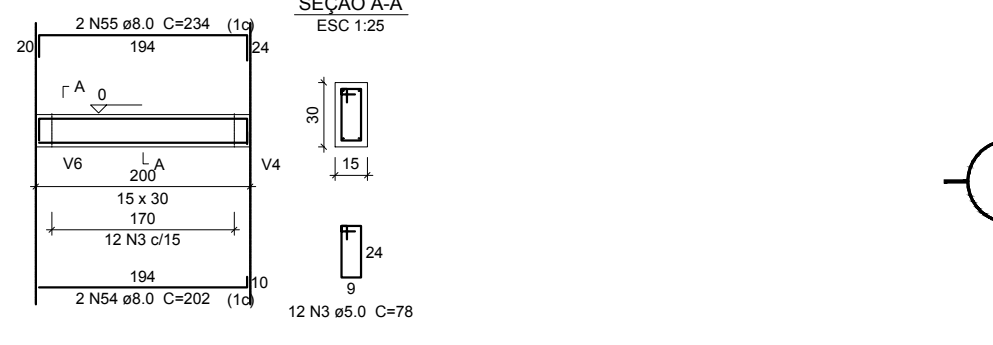
V19

ESC 1:50



V20

ESC 1:50



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ESCALA:1:135