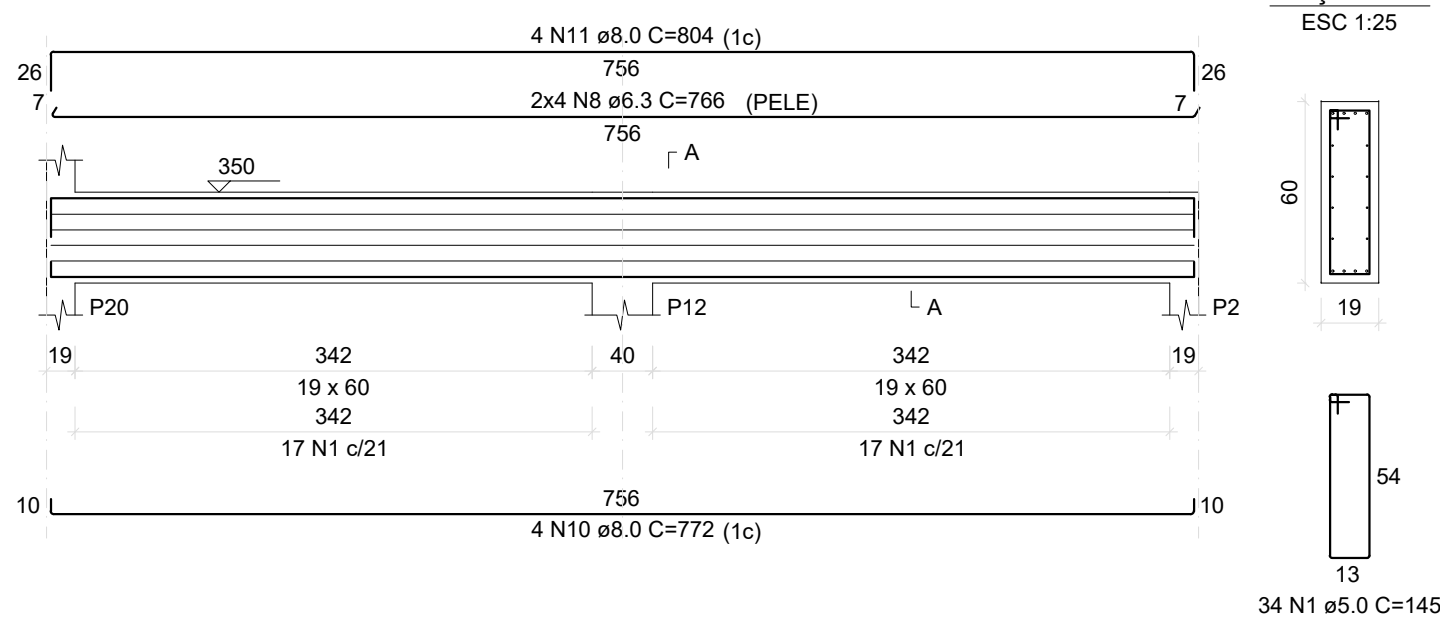


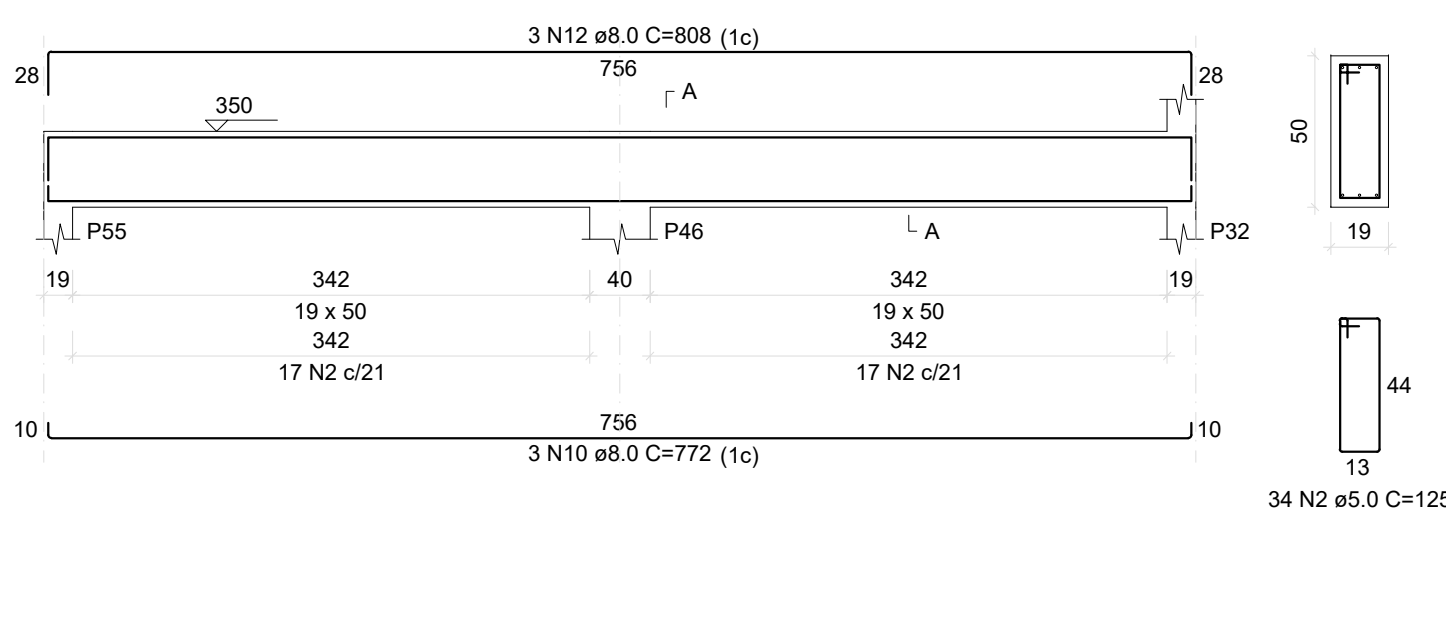
VR16

ESC 1:50



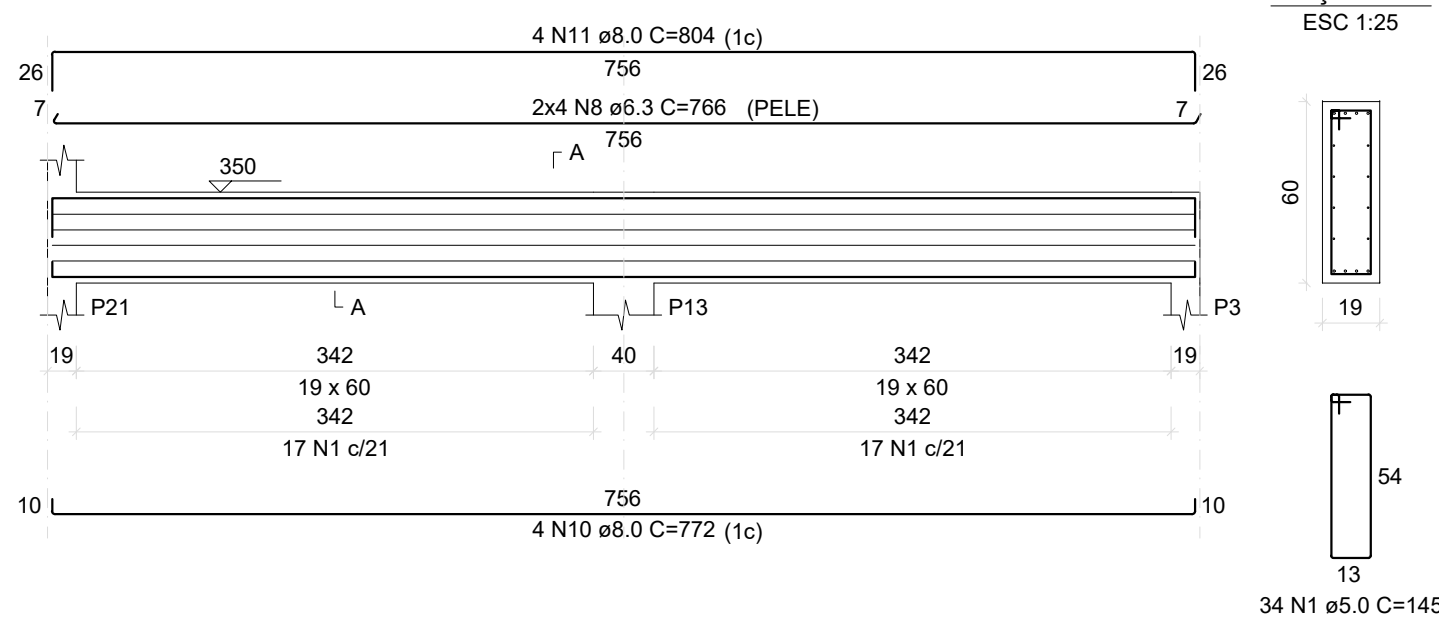
VR17

ESC 1:50



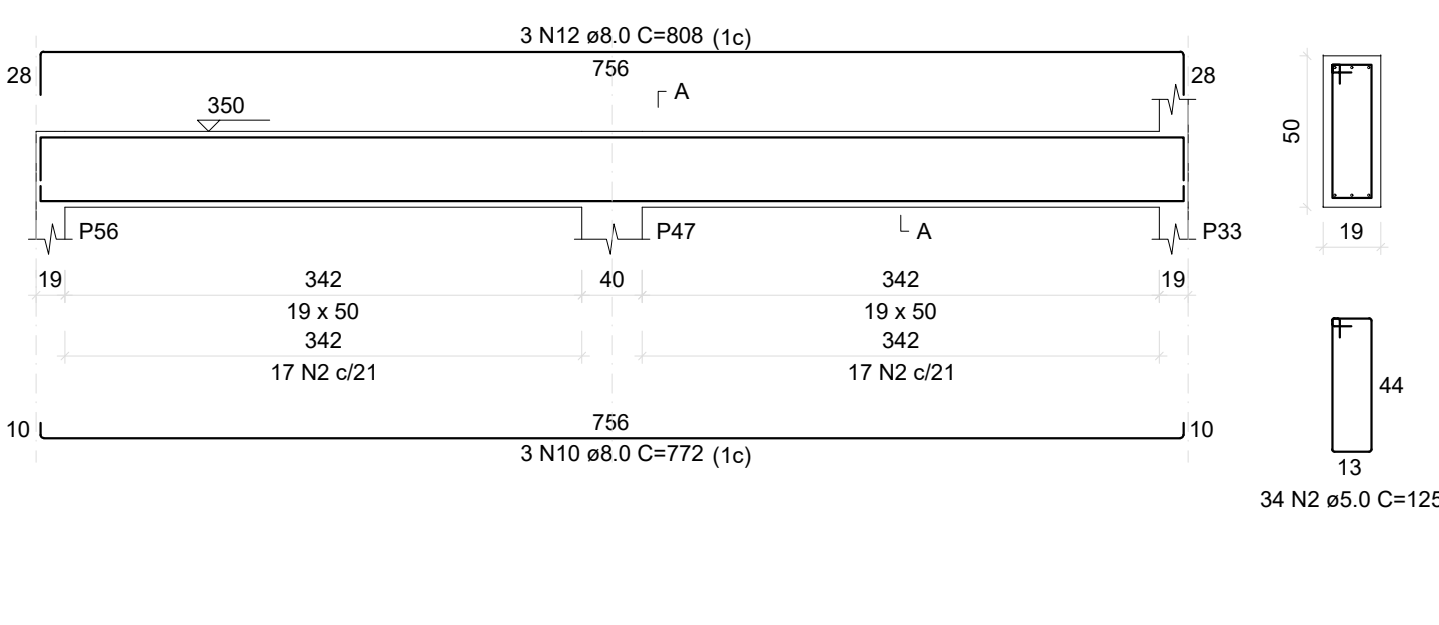
VR18

ESC 1:50



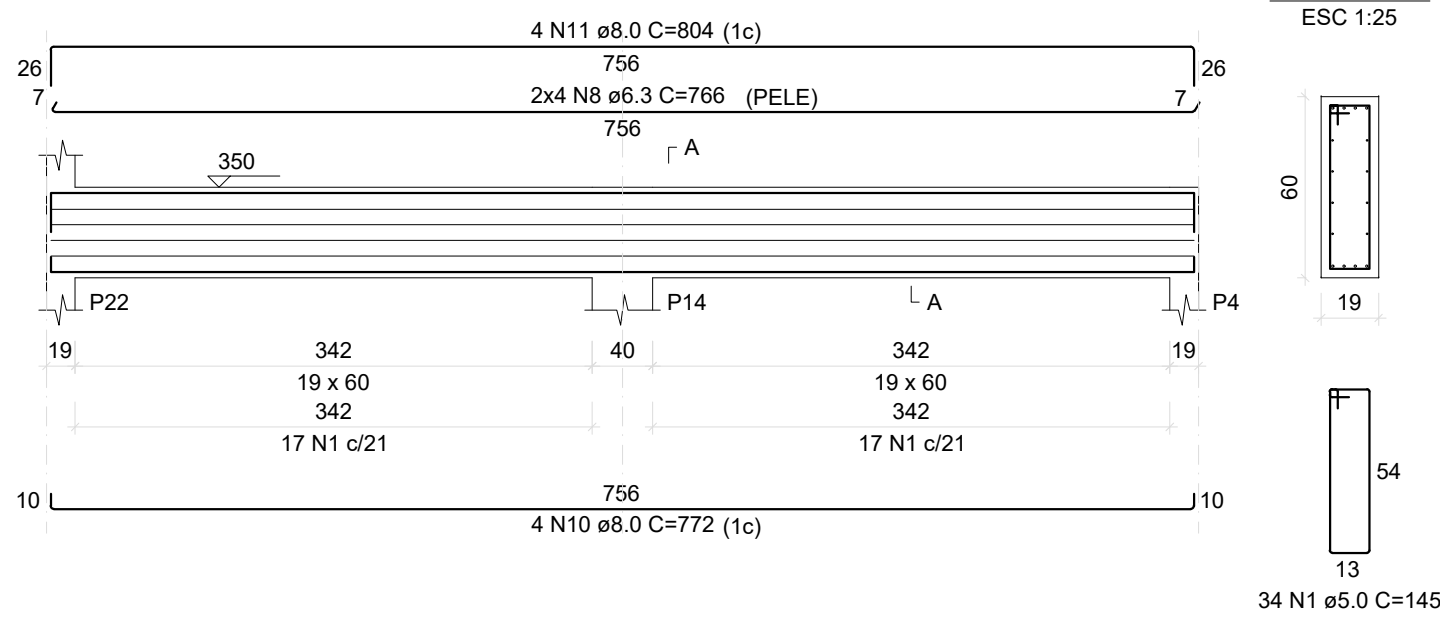
VR19

ESC 1:50



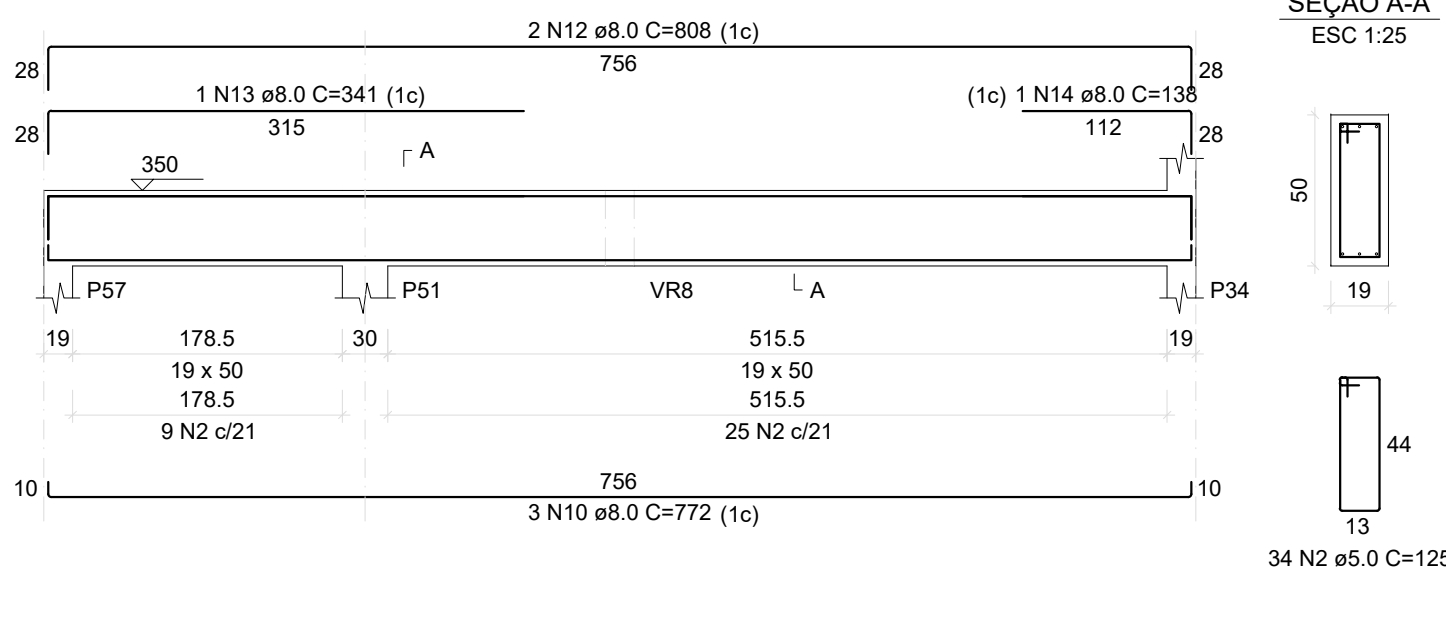
VR20

ESC 1:50



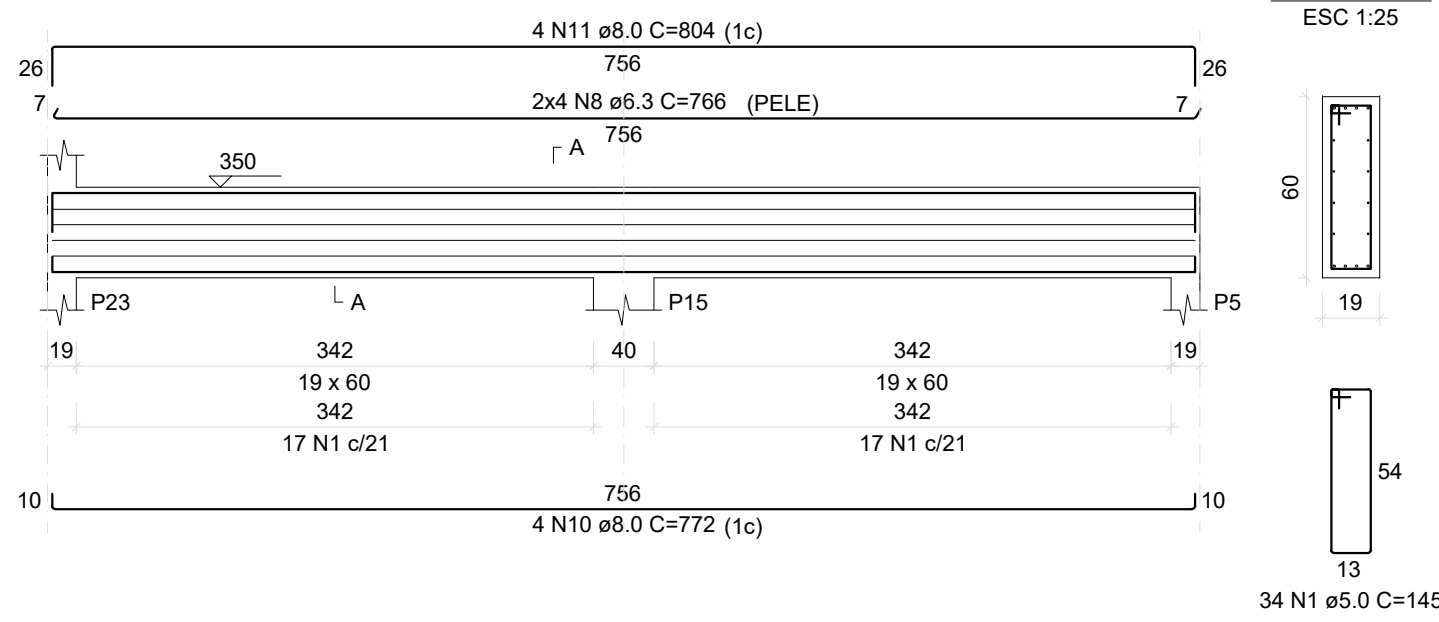
VR21

ESC 1:50



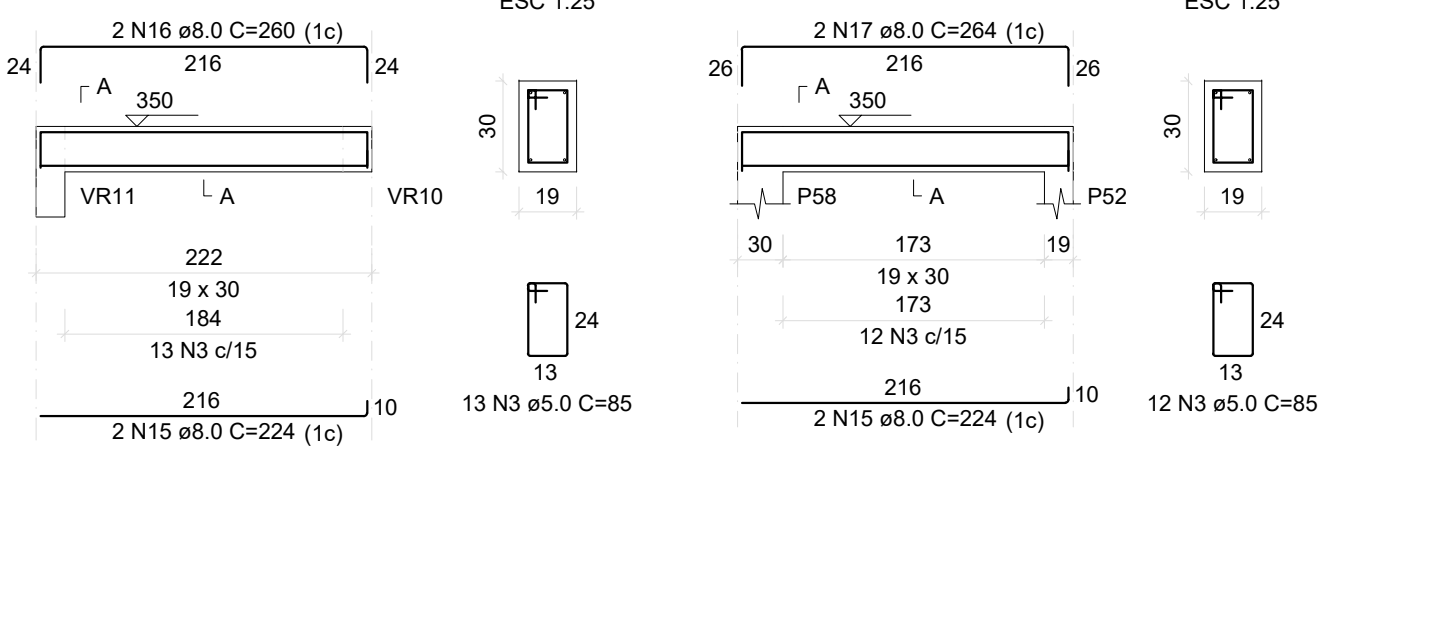
VR22

ESC 1:50



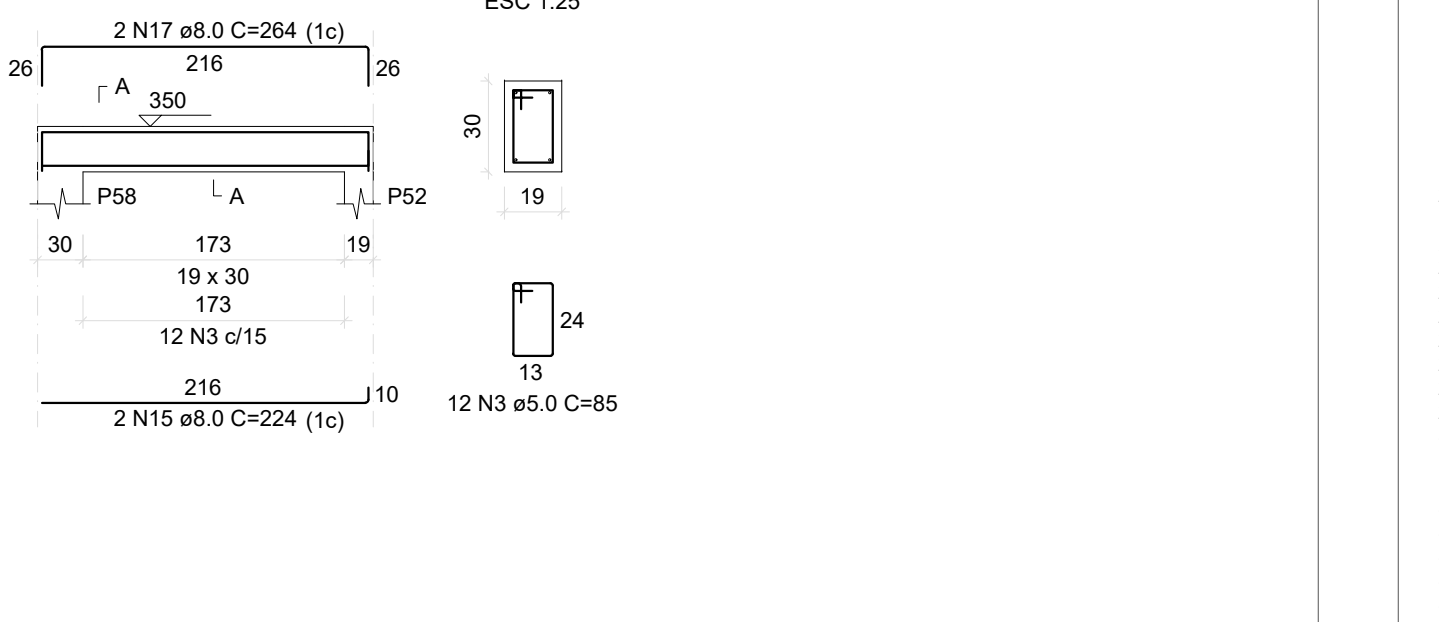
VR23

ESC 1:50



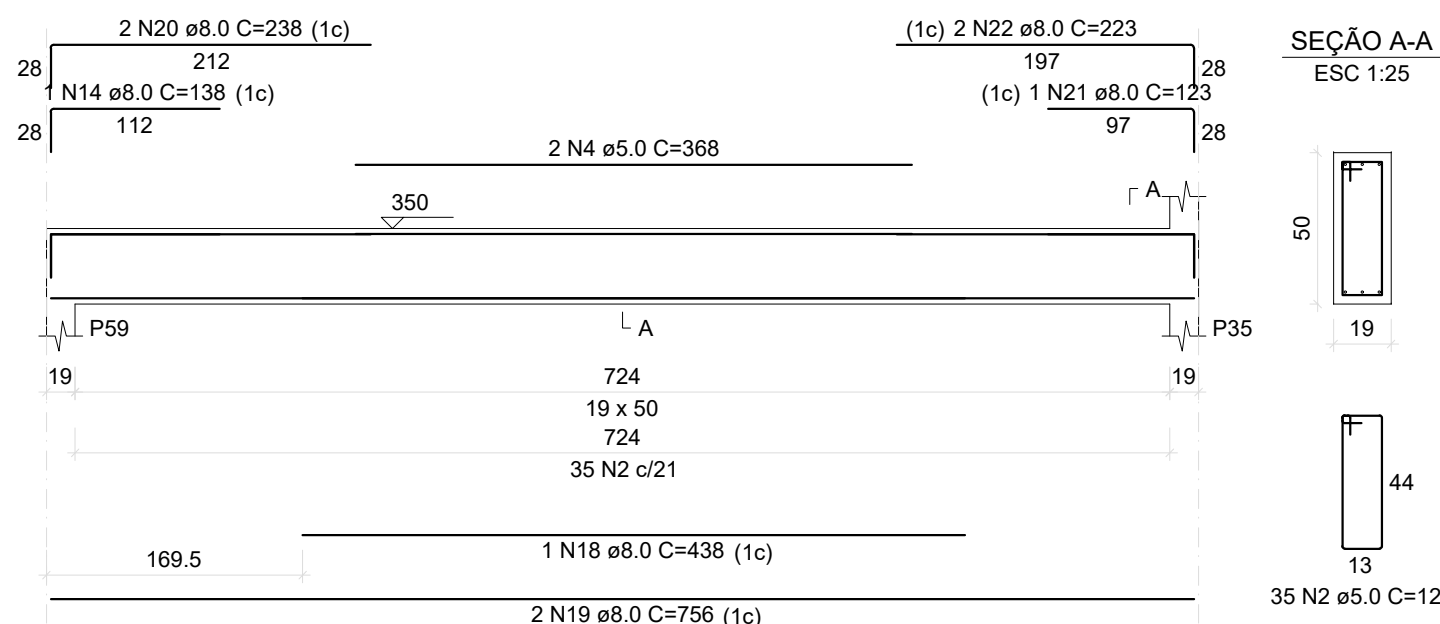
VR24

ESC 1:50



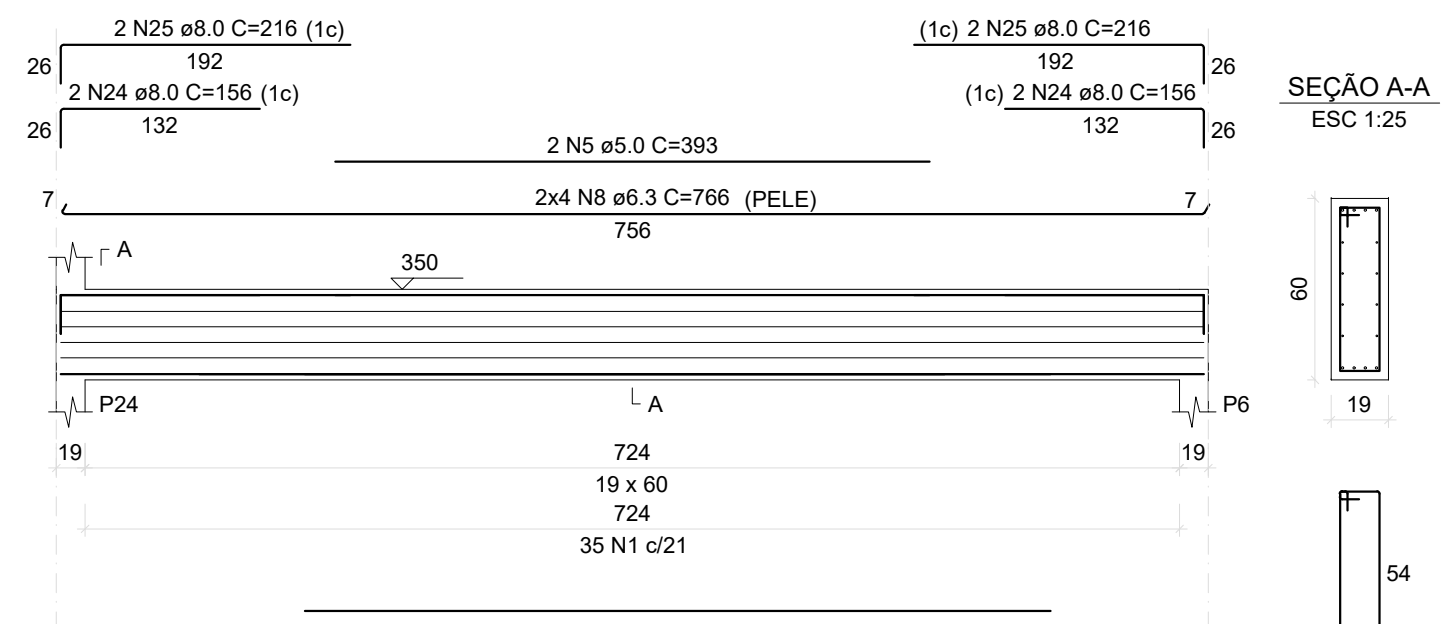
VR25

ESC 1:50



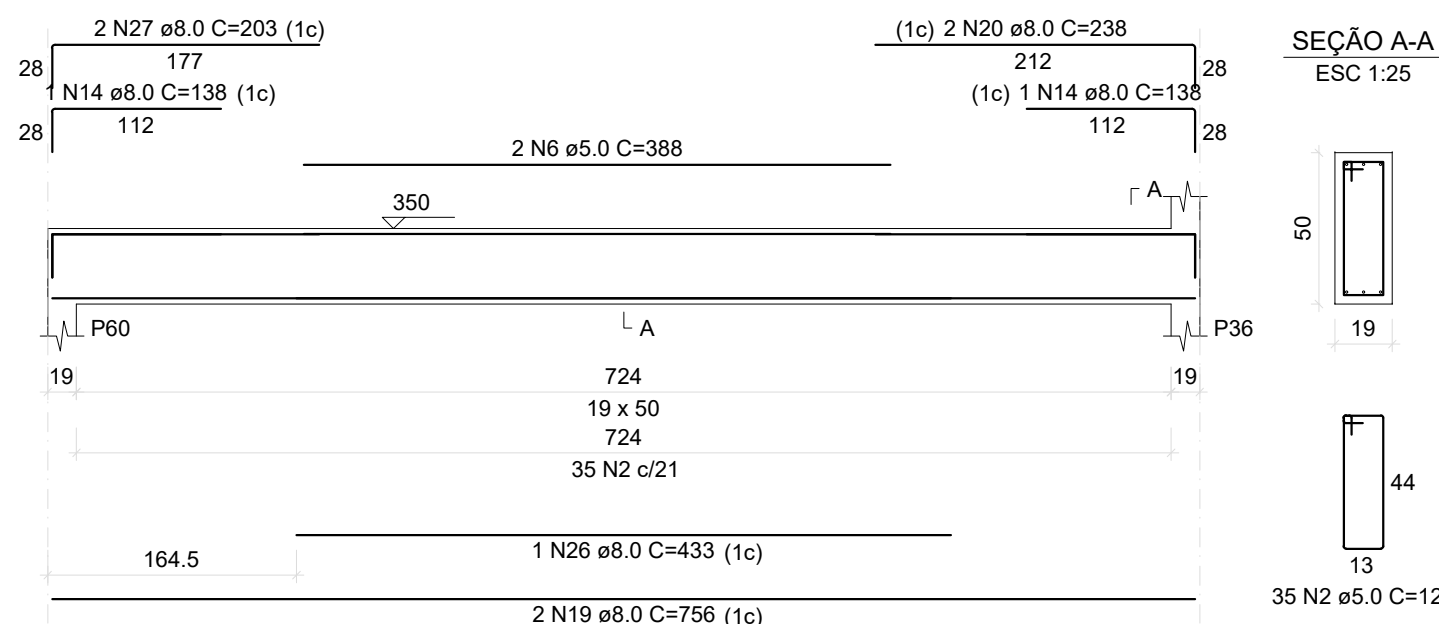
VR26

ESC 1:50



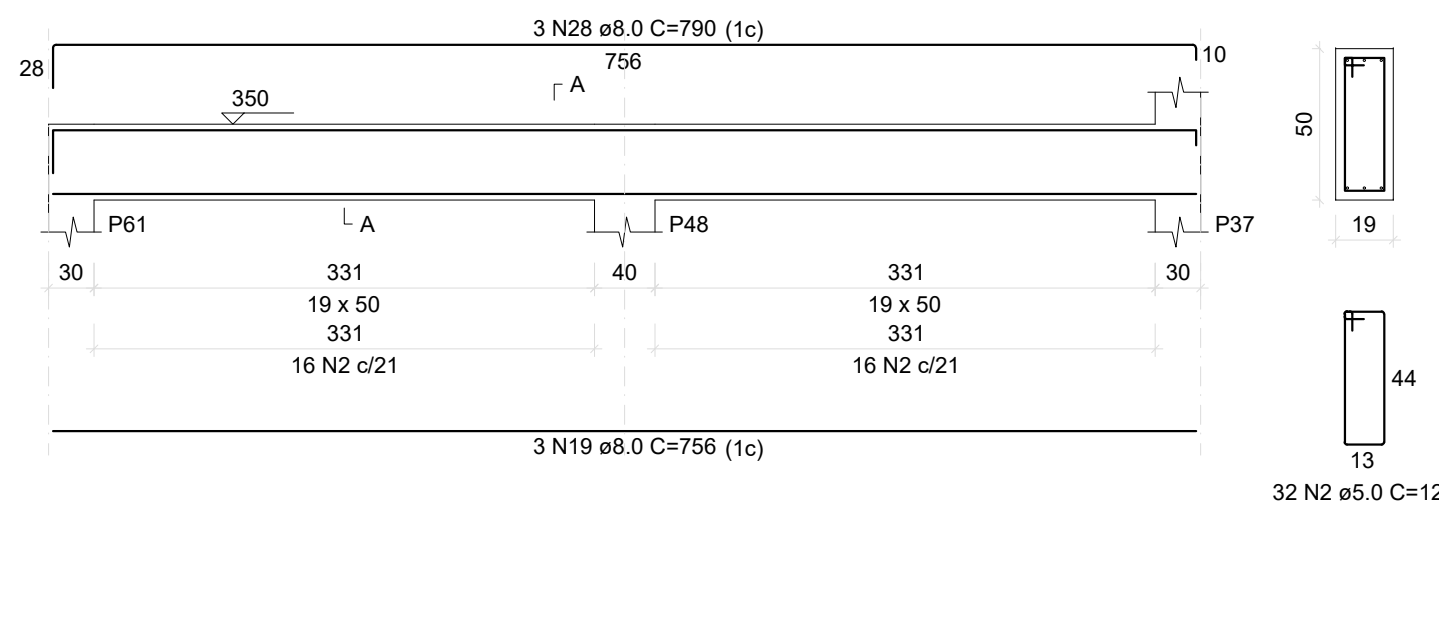
VR27

ESC 1:50



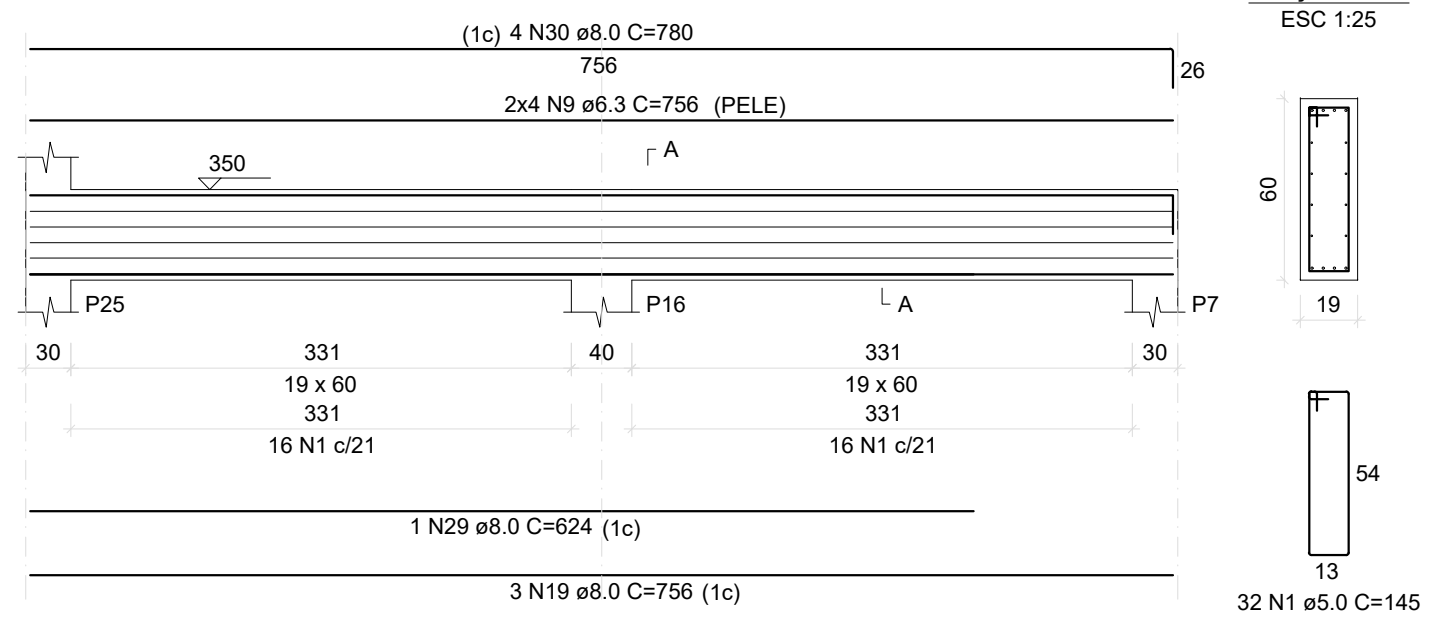
VR28

ESC 1:50



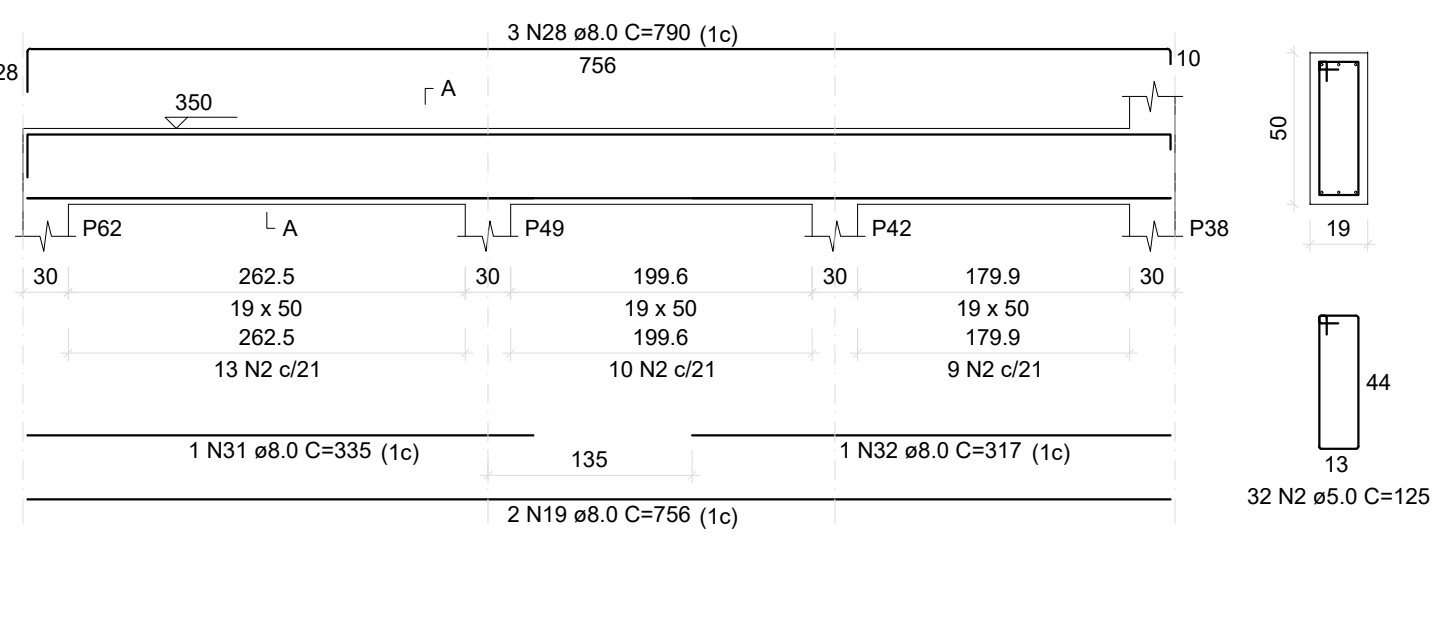
VR29

ESC 1:50



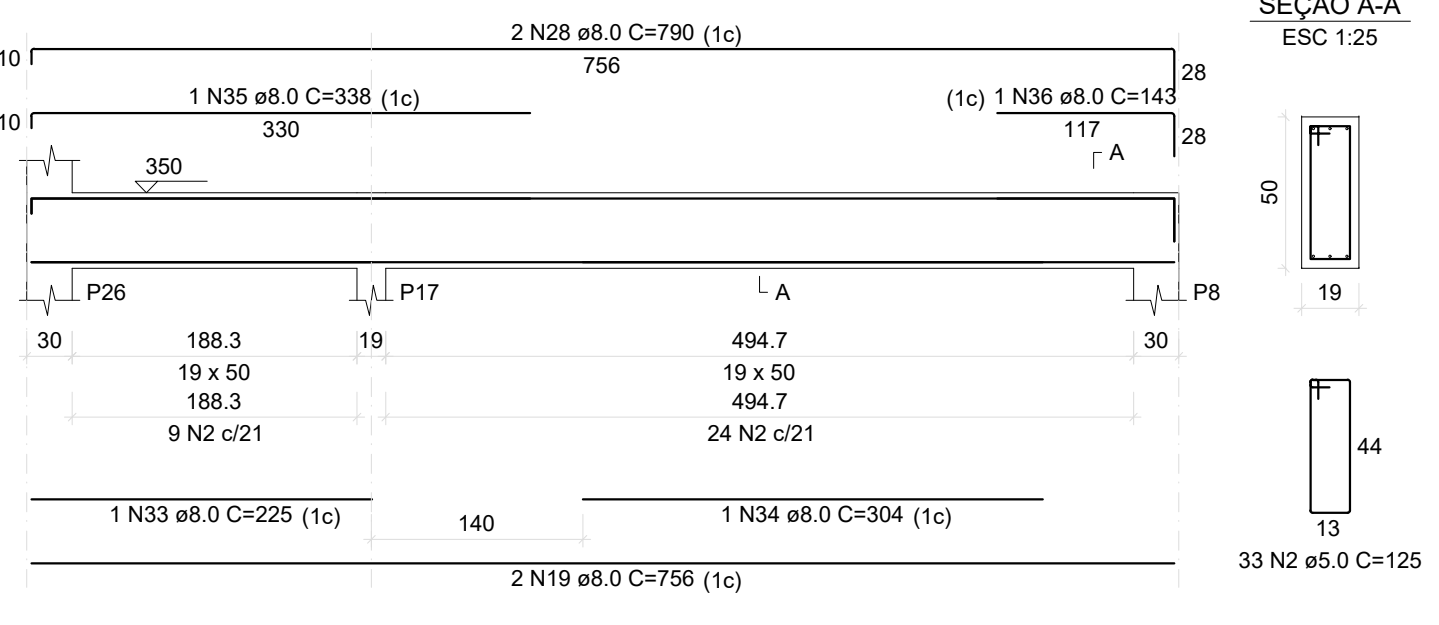
VR30

ESC 1:50



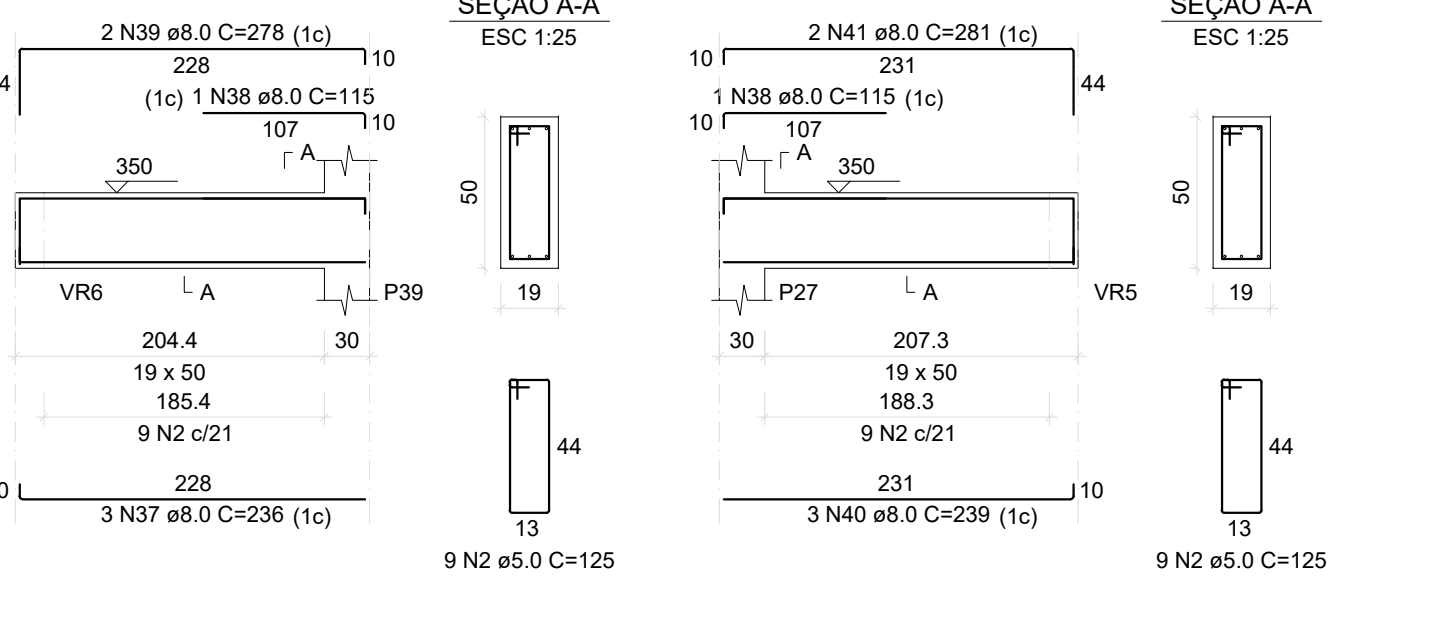
VR31

ESC 1:50



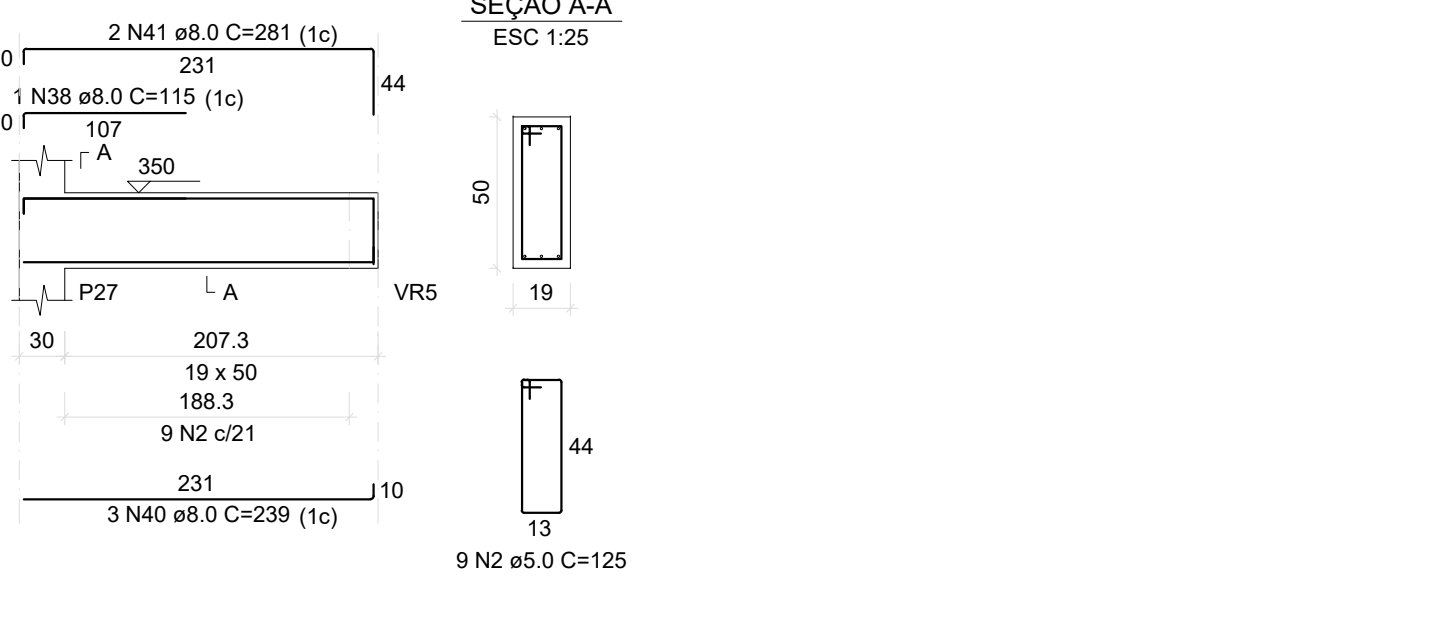
VR32

ESC 1:50



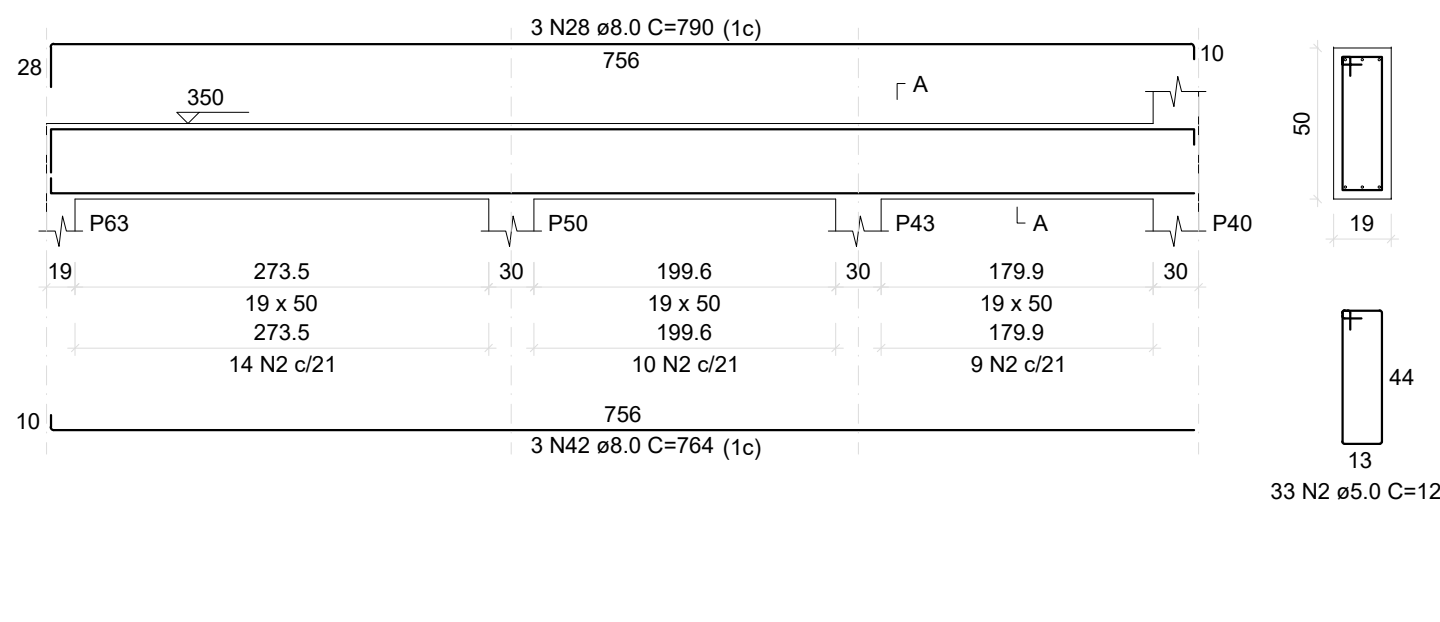
VR33

ESC 1:50



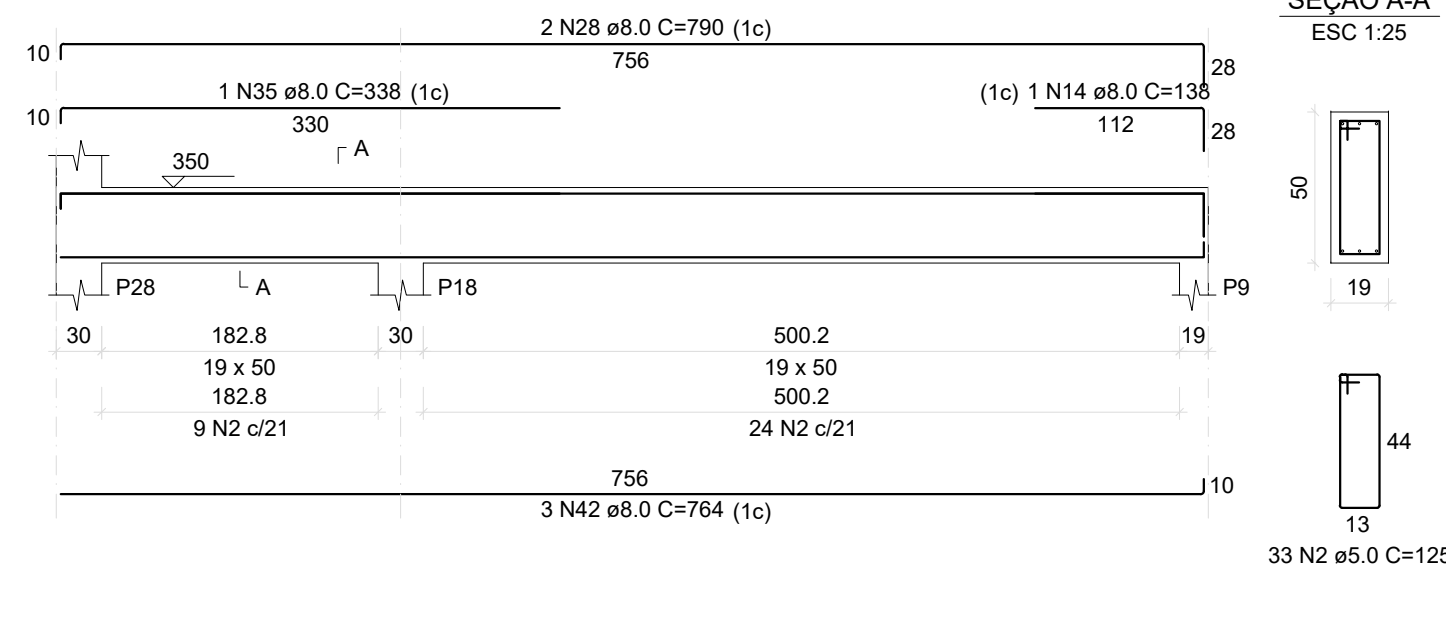
VR34

ESC 1:50



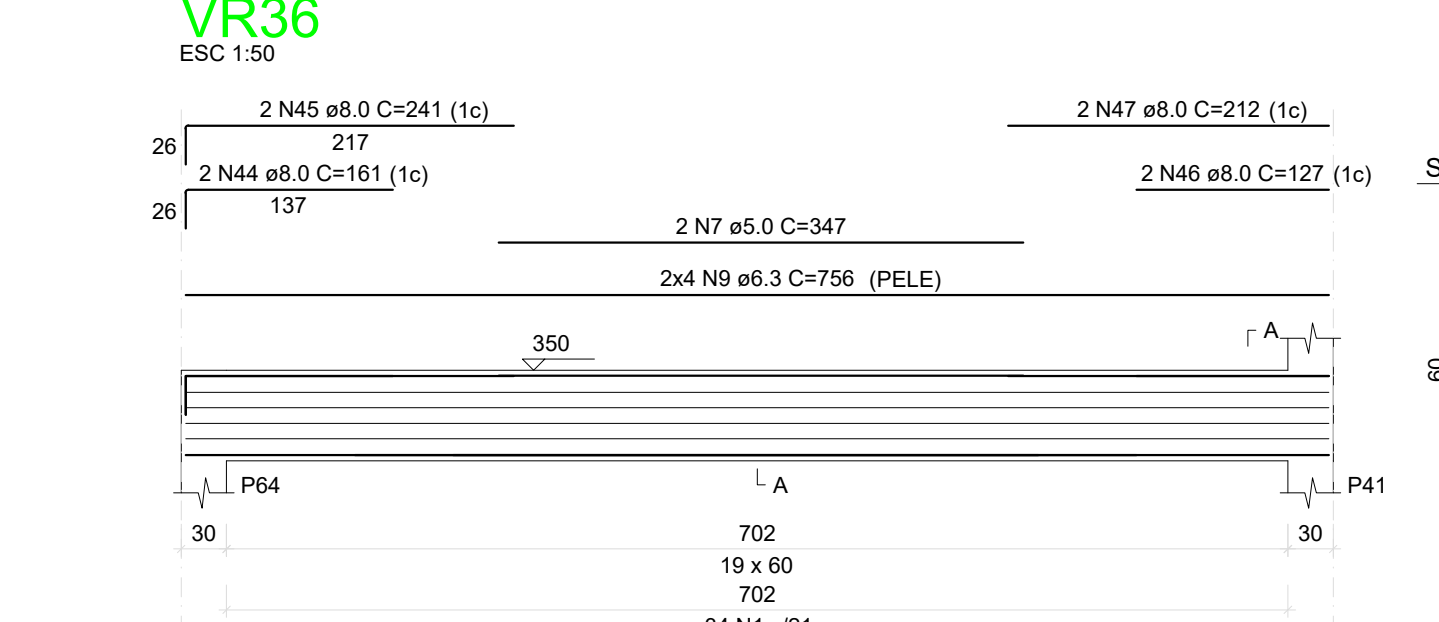
VR35

ESC 1:50



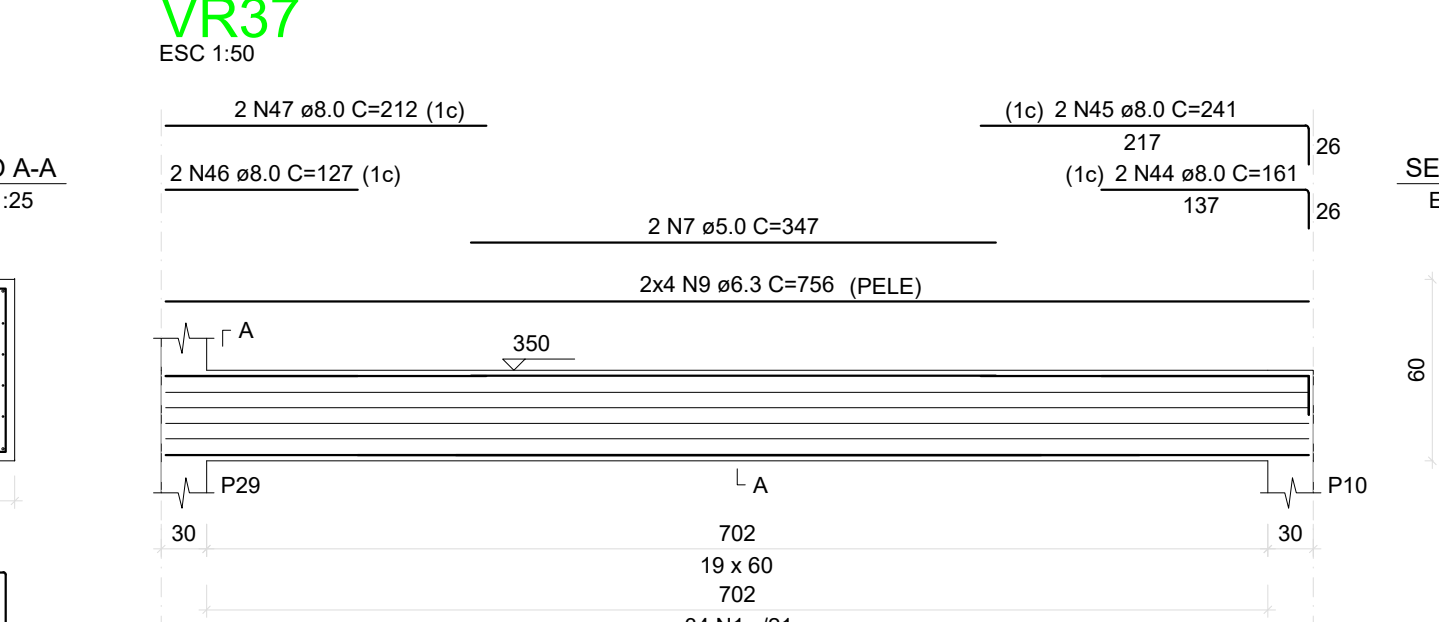
VR36

ESC 1:50



VR37

ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VR16	1	5.0	271	145	39295
VR19	2	5.0	353	125	44125
VR22	3	5.0	25	85	2125
VR25	4	5.0	2	368	736
VR28	5	5.0	2	383	766
VR31	6	5.0	2	388	776
VR34	7	5.0	4	347	1388
VR37	8	6.3	40	766	30640
	9	6.3	24	766	18384
	10	8.0	25	772	19300
	11	8.0	16	804	12864
	12	8.0	8	808	6464
	13	8.0	1	341	341
	14	8.0	5	138	690
	15	8.0	4	224	896
	16	8.0	2	260	520
	17	8.0	2	264	528
	18	8.0	1	438	438
	19	8.0	20	756	15120
	20	8.0	4	238	952
	21	8.0	1	123	123
	22	8.0	2	223	446
	23	8.0	2	493	986
	24	8.0	4	156	624
	25	8.0	4	216	864
	26	8.0	1	433	433
	27	8.0	2	203	406
	28	8.0	13	790	10270
	29	8.0	1	804	804
	30	8.0	4	780	3120
	31	8.0	1	335	335
	32	8.0	1	317	317
	33	8.0	1	220	220
	34	8.0	1	304	304
	35	8.0	2	338	676
	36	8.0	1	143	143
	37	8.0	3	236	708
	38	8.0	2	115	230
	39	8.0	2	278	556
	40	8.0	3	239	717
	41	8.0	2	281	562
	42	8.0	6	764	4584
	43	8.0	4	462	1808
	44	8.0	4	161	644
	45	8.0	4	241	964
	46	8.0	4	127	508
	47	8.0	4	112	448

RESUMO DO AÇO

AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 10% (kg)
CAS0	6.3	487.8	131.3
CAS0	8.0	801.4	391.2
CAS0	5.0	892.3	151.3

PESO TOTAL (kg)
CAS0 522.8
CAS0 151.3
Volume de concreto (C-25) = 13.40 m³
Área de forma = 165.99 m²