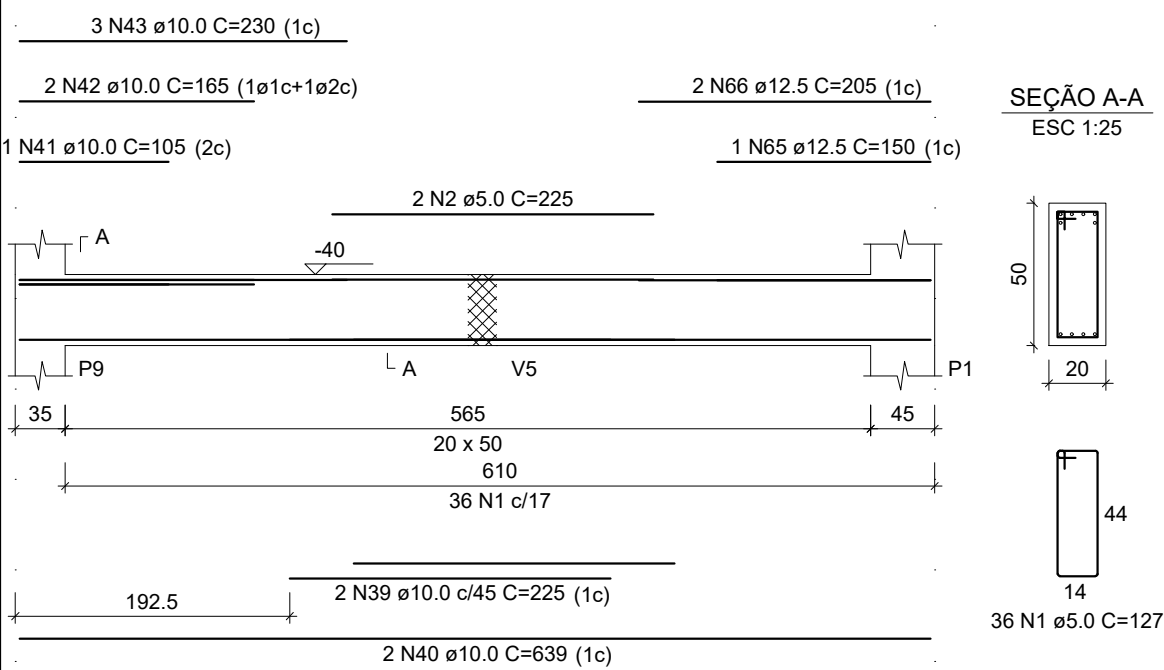


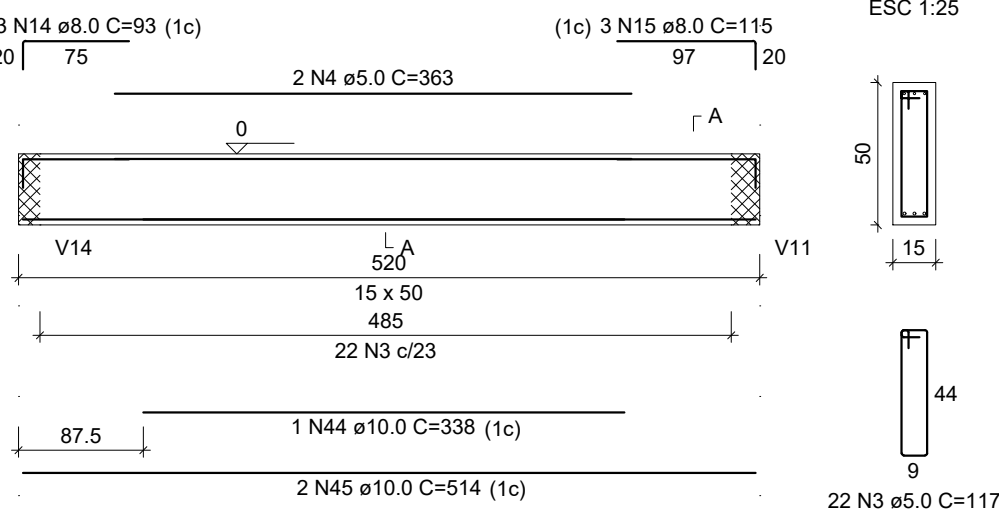
V17

ESC 1:50



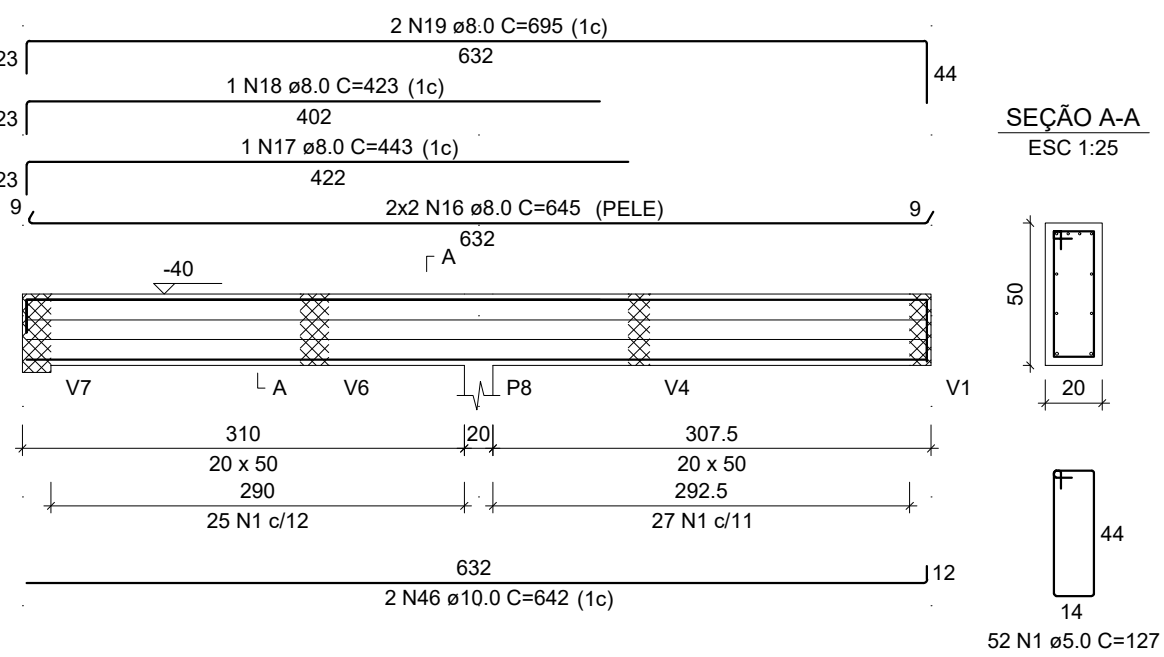
V18

ESC 1:50



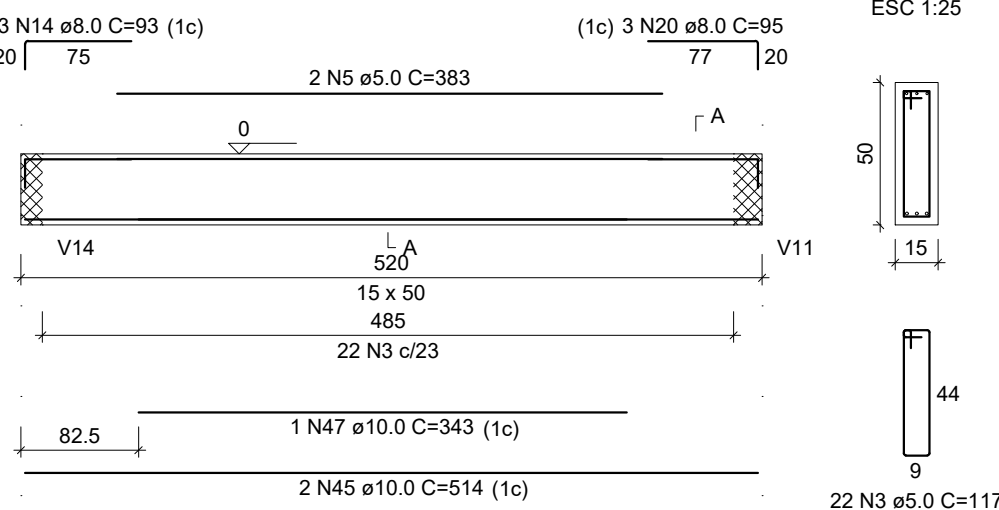
V19

ESC 1:50



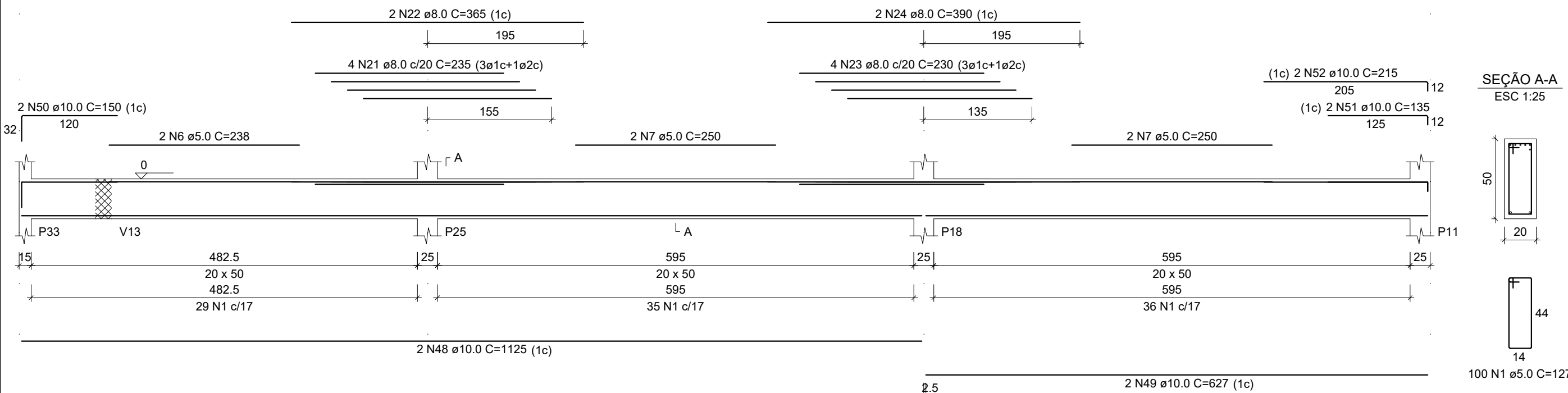
V20

ESC 1:50



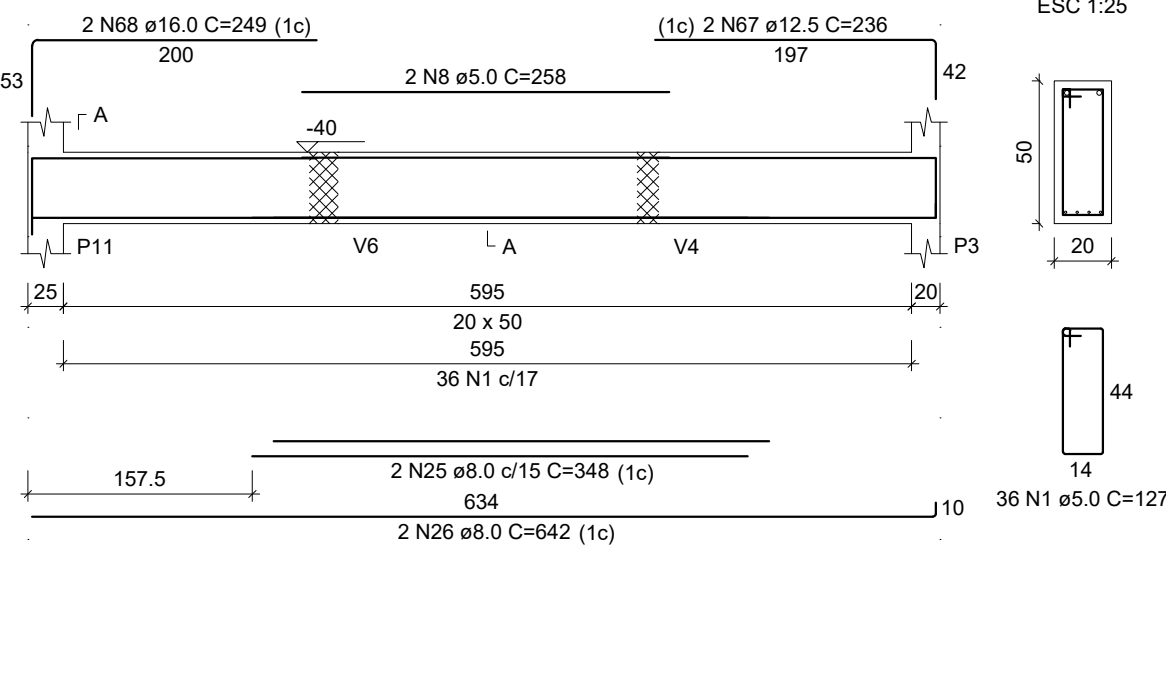
V21

ESC 1:50



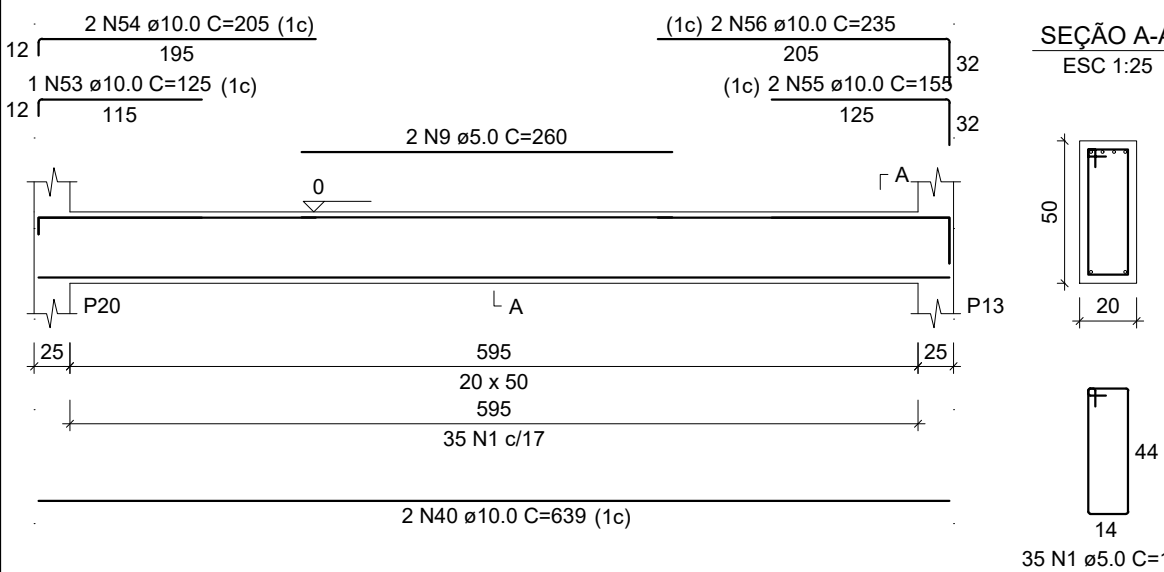
V22

ESC 1:50



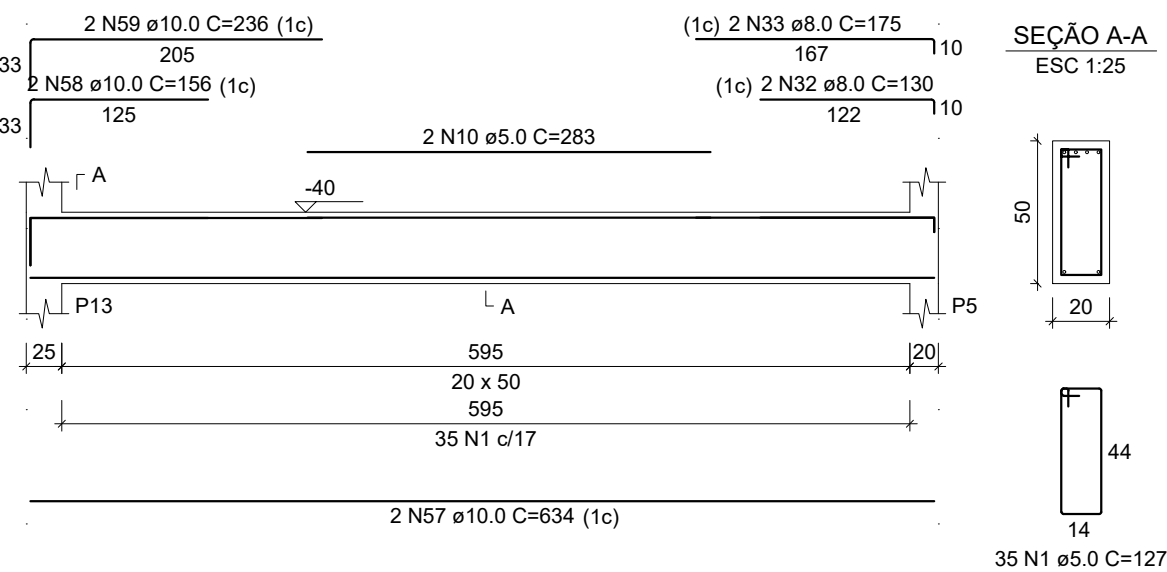
V24

ESC 1:50



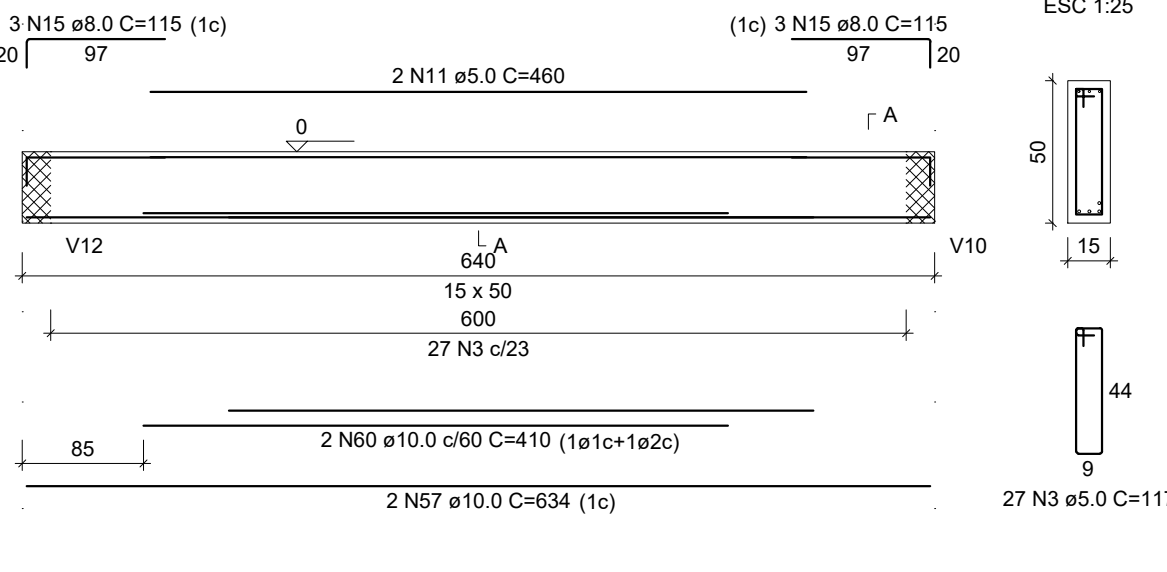
V25

ESC 1:50



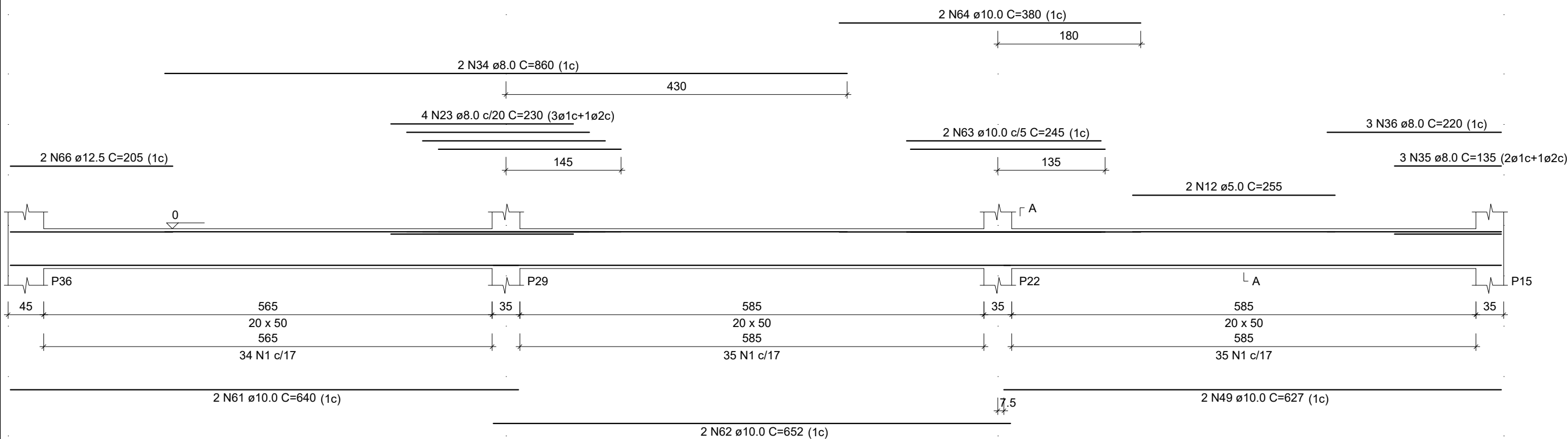
V26

ESC 1:50



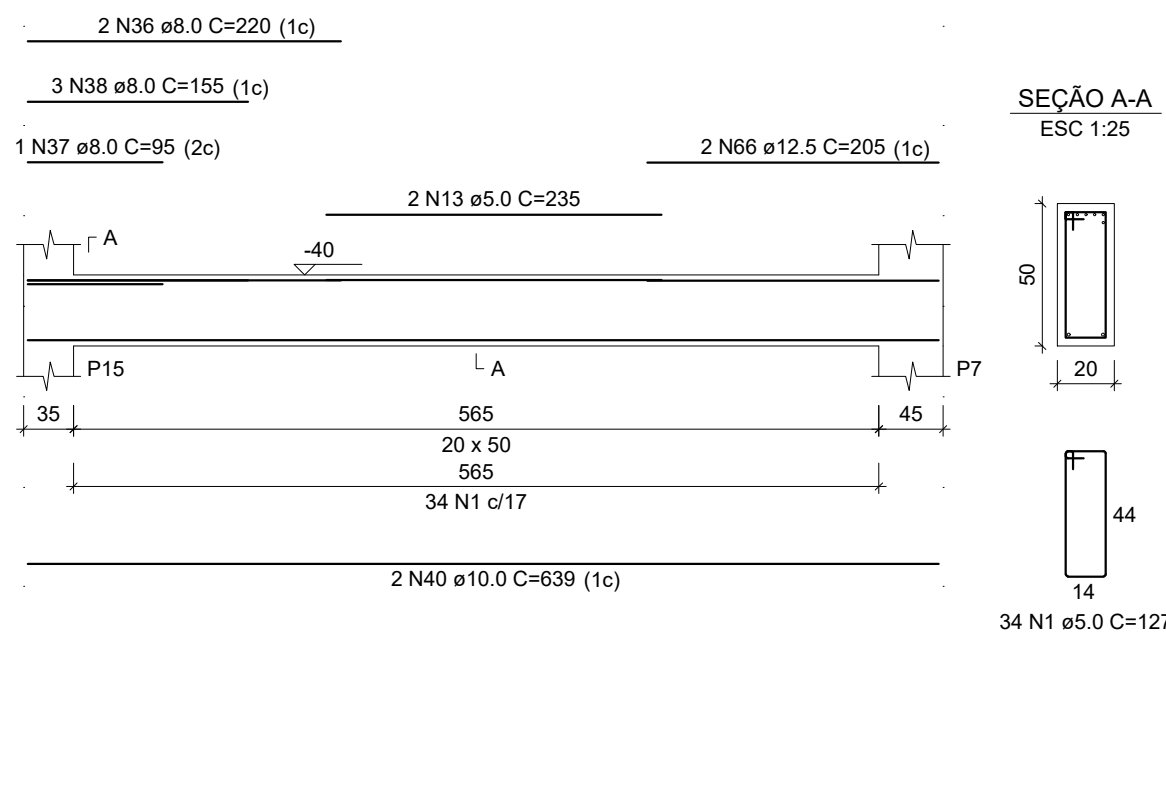
V27

ESC 1:50



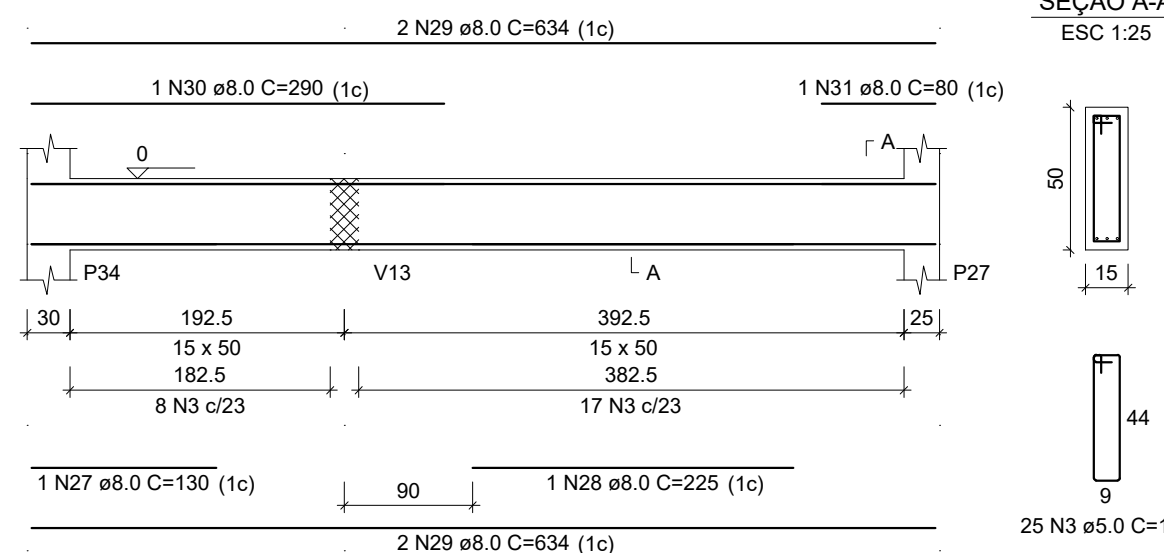
V28

ESC 1:50



V23

ESC 1:50



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
CA60	1	5.0	432	127	54864
	2	5.0	2	225	450
	3	5.0	96	117	11232
	4	5.0	2	363	726
	5	5.0	2	383	766
	6	5.0	2	238	476
	7	5.0	4	250	1000
	8	5.0	2	258	516
	9	5.0	2	260	520
	10	5.0	2	293	586
	11	5.0	2	460	920
	12	5.0	2	255	510
	13	5.0	2	235	470
	14	8.0	6	93	558
	15	8.0	9	115	1035
	16	8.0	4	645	2580
	17	8.0	1	443	443
	18	8.0	1	423	423
	19	8.0	2	695	1390
	20	8.0	3	95	285
CA50	21	8.0	4	235	940
	22	8.0	2	365	730
	23	8.0	8	230	1840
	24	8.0	2	390	780
	25	8.0	2	348	696
	26	8.0	2	642	1284
	27	8.0	1	130	130
	28	8.0	1	225	225
	29	8.0	4	634	2536
	30	8.0	1	290	290
	31	8.0	1	80	80
	32	8.0	2	130	260
	33	8.0	2	175	350
	34	8.0	2	860	1720
	35	8.0	3	135	405
	36	8.0	5	220	1100
	37	8.0	1	95	95
	38	8.0	3	155	465
	39	10.0	2	225	450
	40	10.0	6	638	3834
CA50	41	10.0	1	105	105
	42	10.0	2	165	330
	43	10.0	3	230	690
	44	10.0	1	338	338
	45	10.0	4	514	2056
	46	10.0	2	642	1284
	47	10.0	1	343	343
	48	10.0	2	1125	2250
	49	10.0	4	627	2508
	50	10.0	2	150	300

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	206.4	89.8
	10.0	244.8	166
	12.5	18.5	19.6
	16.0	5	8.6
CA60	5.0	730.2	123.8
PESO TOTAL (kg)			
CA50	283.9		
CA60	123.8		

Volume de concreto (C-30) = 9.24 m³

Área de forma = 116.68 m²

A	08/11/21	INSERIDO_VIGAS_BALDRAME	
O	29/09/21	EMISSION INICIAL	
REVISÃO	DATA	DESCRIÇÃO	REVISADO POR:

		REGISTRO	
OBRA: ESCOLA DE EDUCAÇÃO AMB E TECNOLÓGICA		108	
LOCAL: TRÊS COROAS - RS		DATA: 29/09/21	
PROPRIETÁRIO: EVERTON RIGO AYRES		ESCALA: INDICADA	
PROJETO: ENG. CIVIL EVERTON RIGO AYRES - CREA RS 161042		DESENHO: AYRES ENG. EST.	
EXECUÇÃO: ESTR. DE CONCRETO ARM		FRANQUÍIA: 06	
ESPECIFICAÇÃO: DETALHAMENTO DAS VIGAS NÍVEL 0.0 m			

DIREITOS AUTORAIS RESERVADOS - LIO Nº 5194/861

A10841090