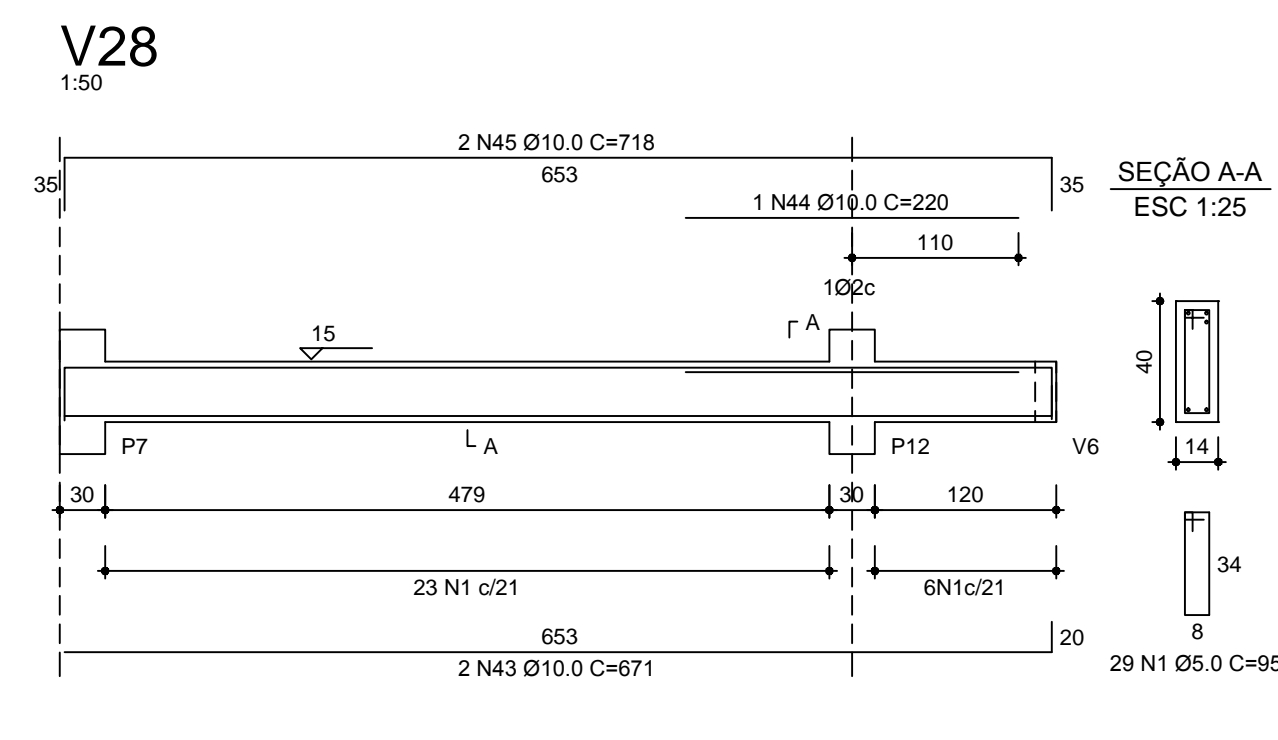
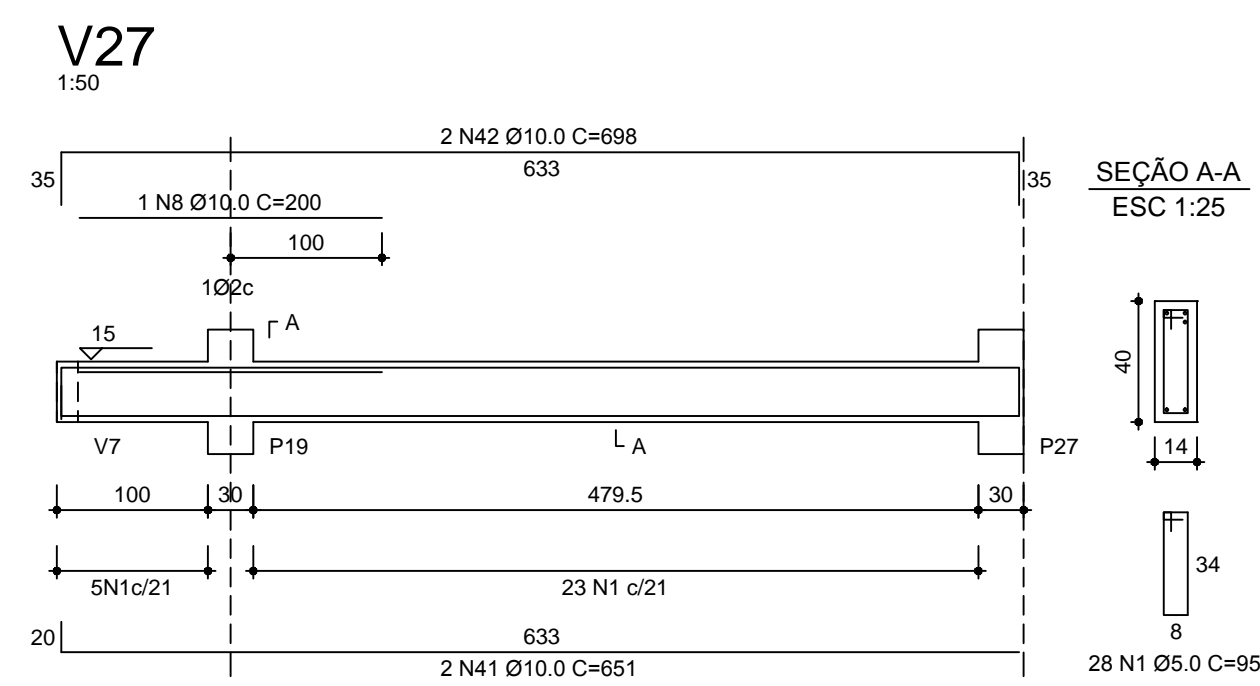
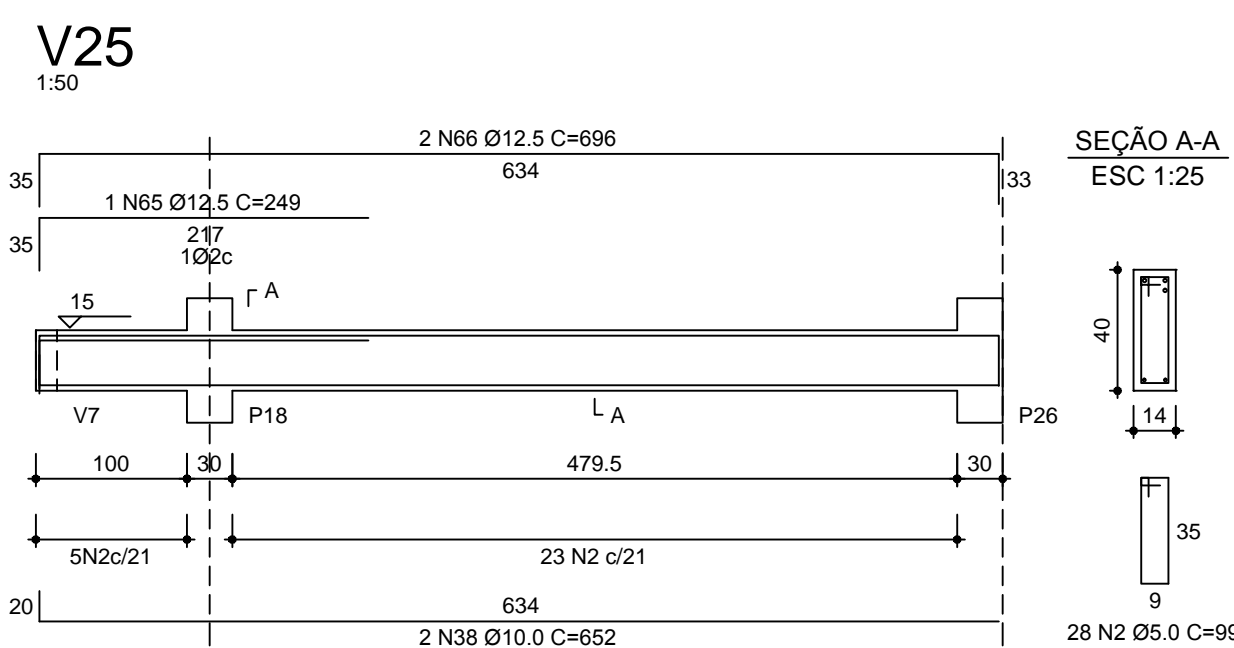
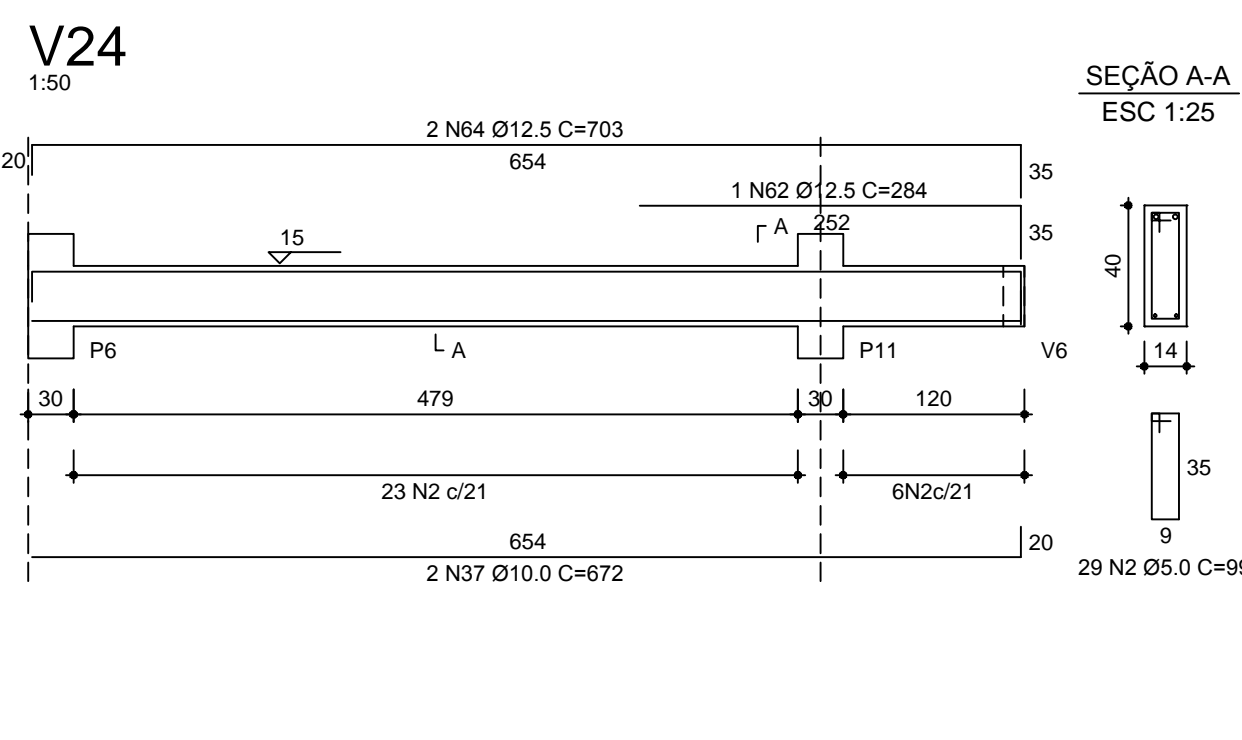
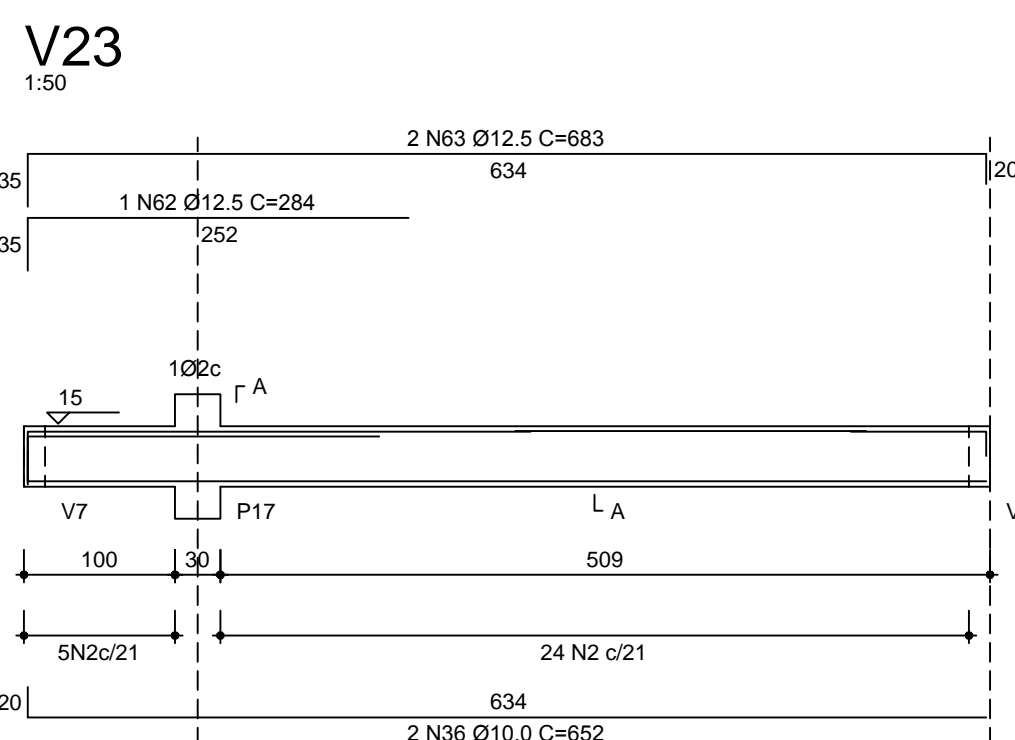
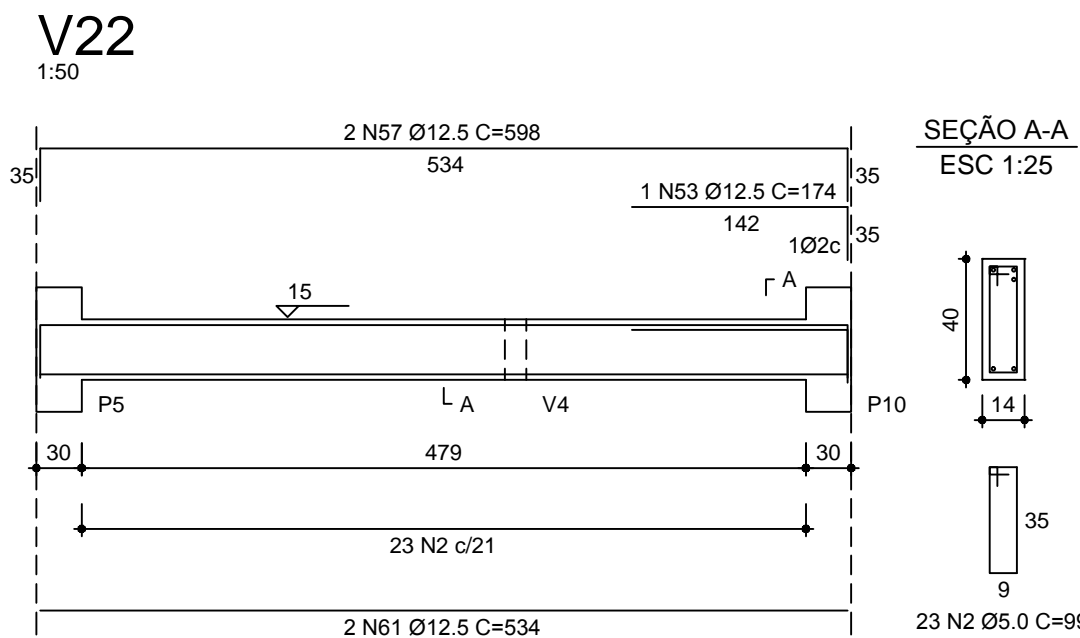
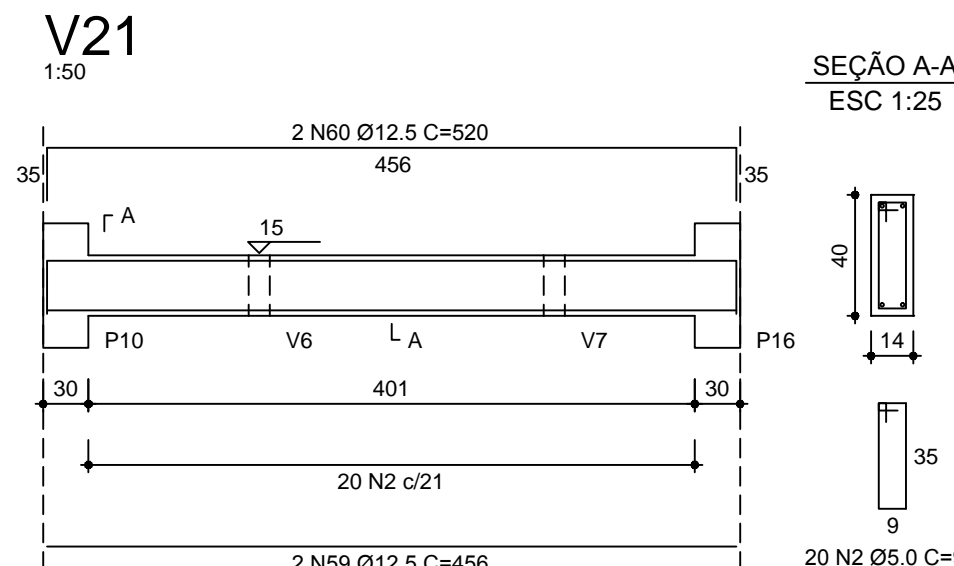
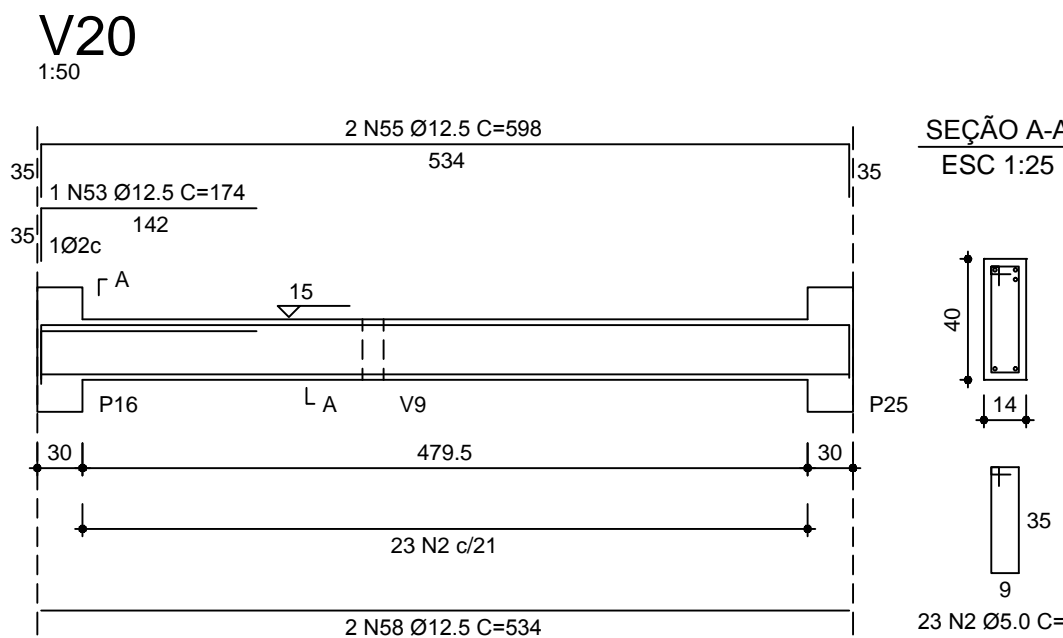
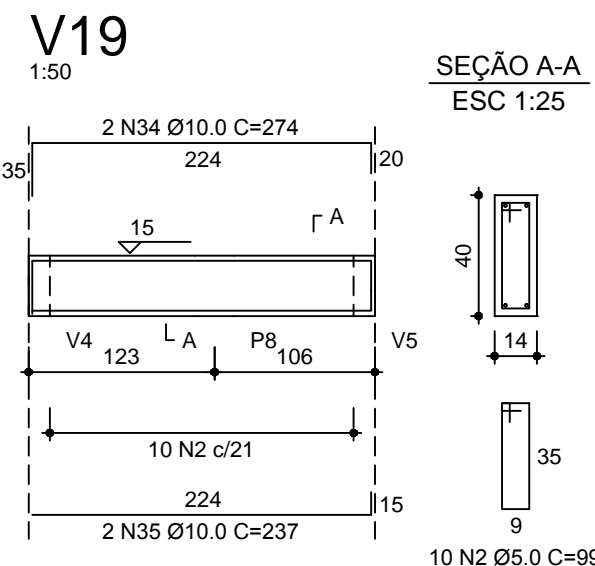
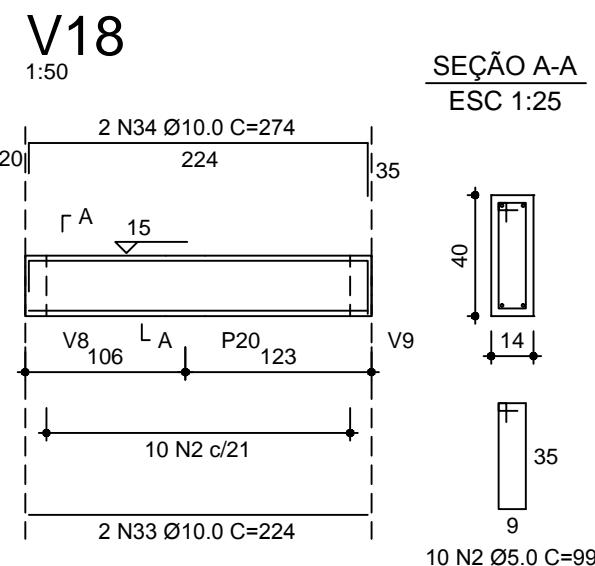
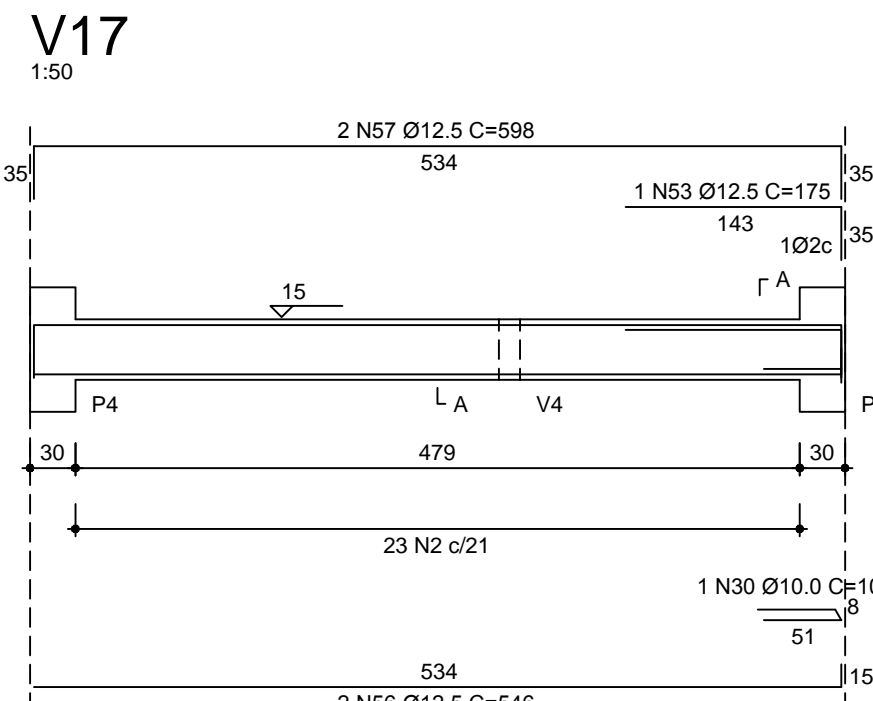
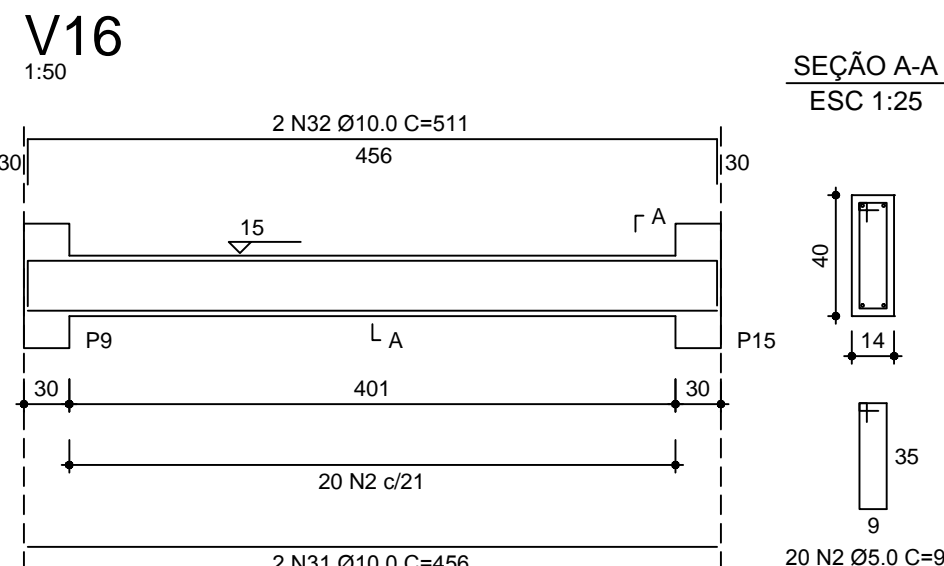
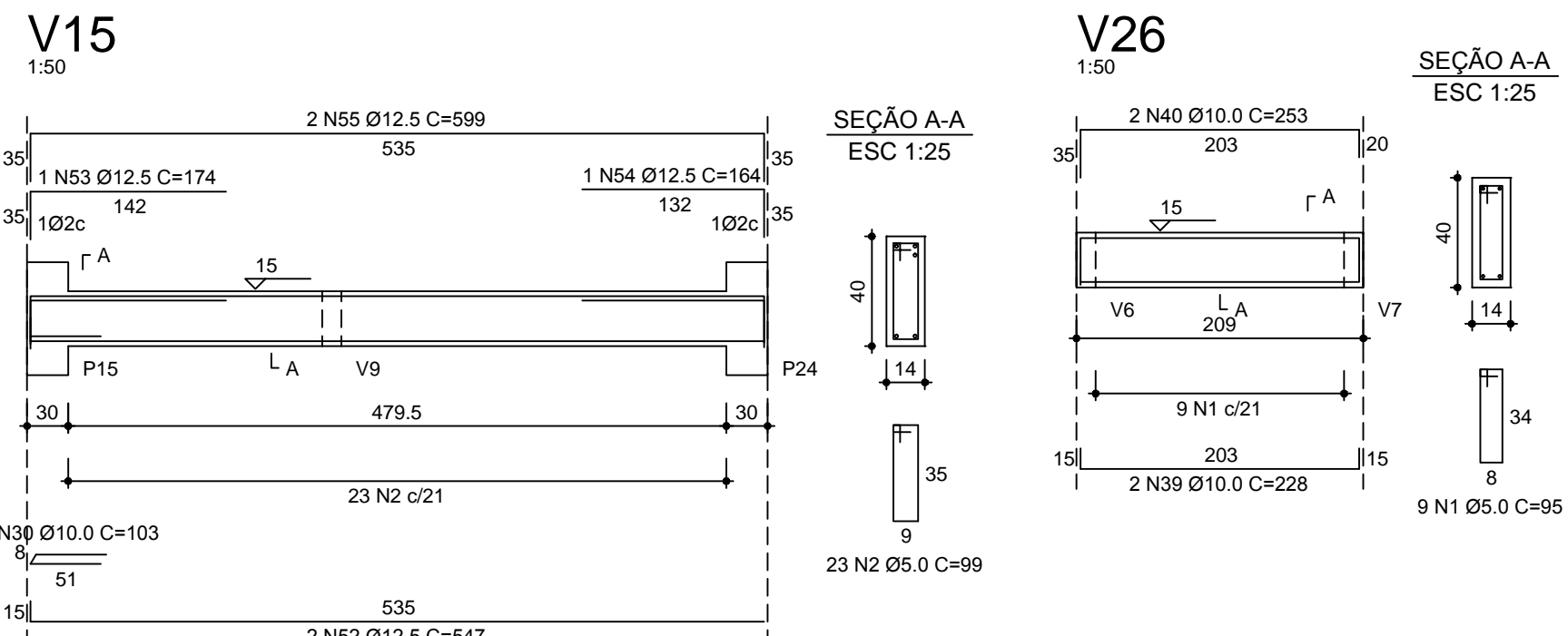
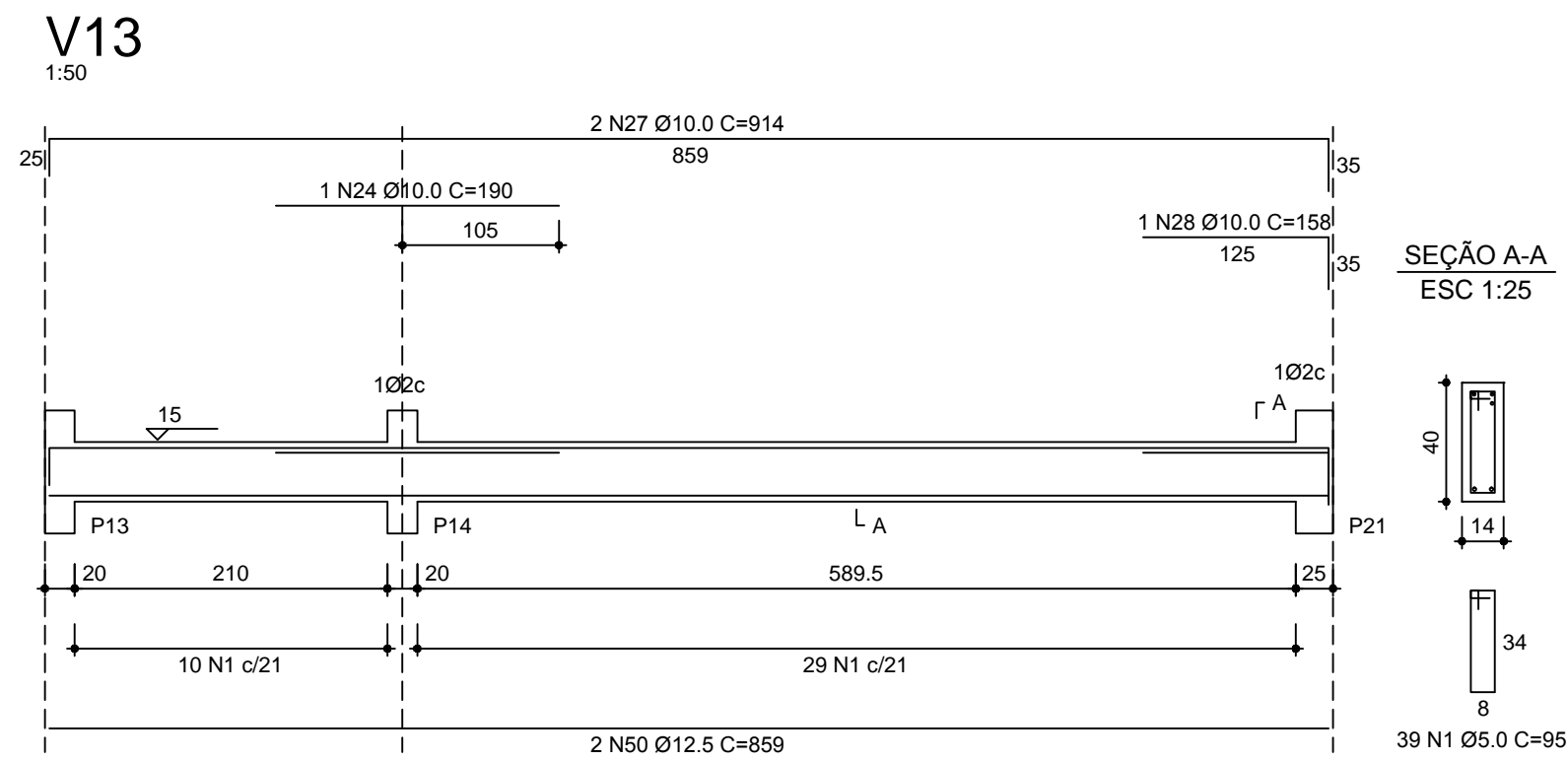
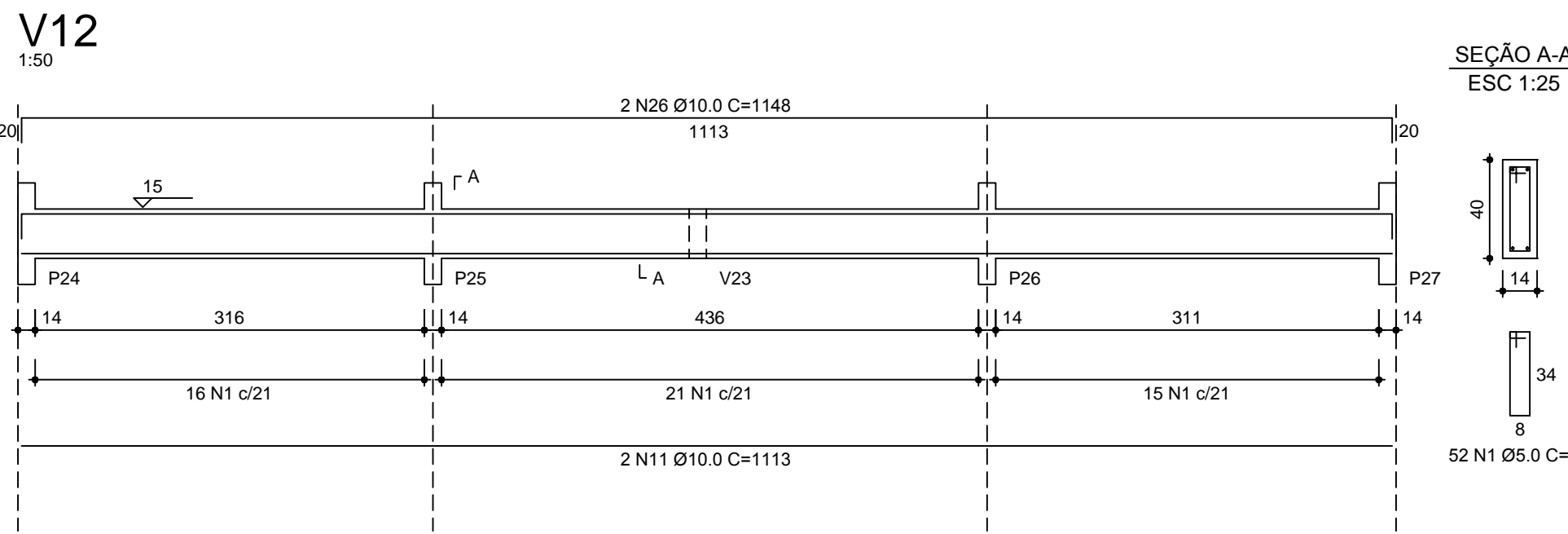
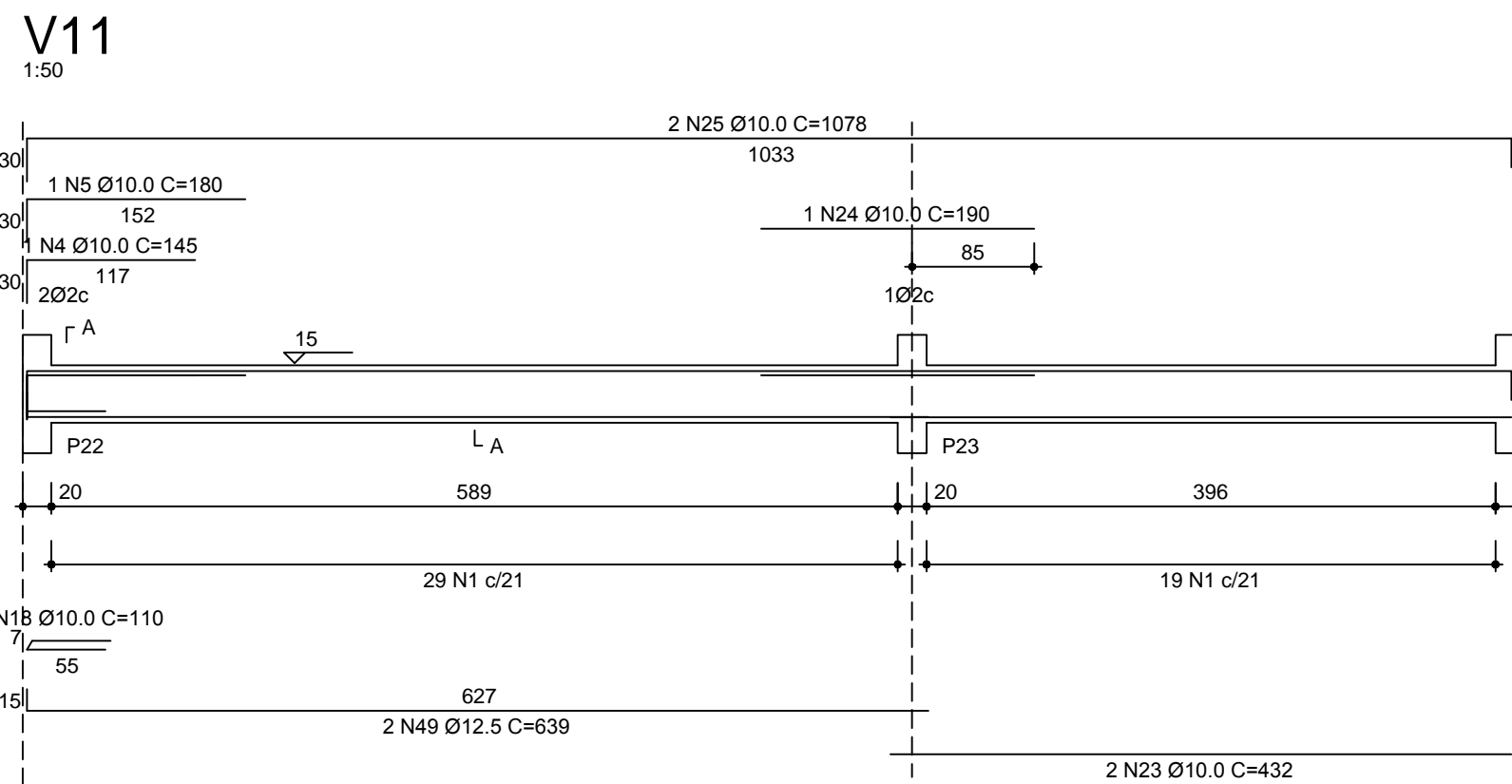
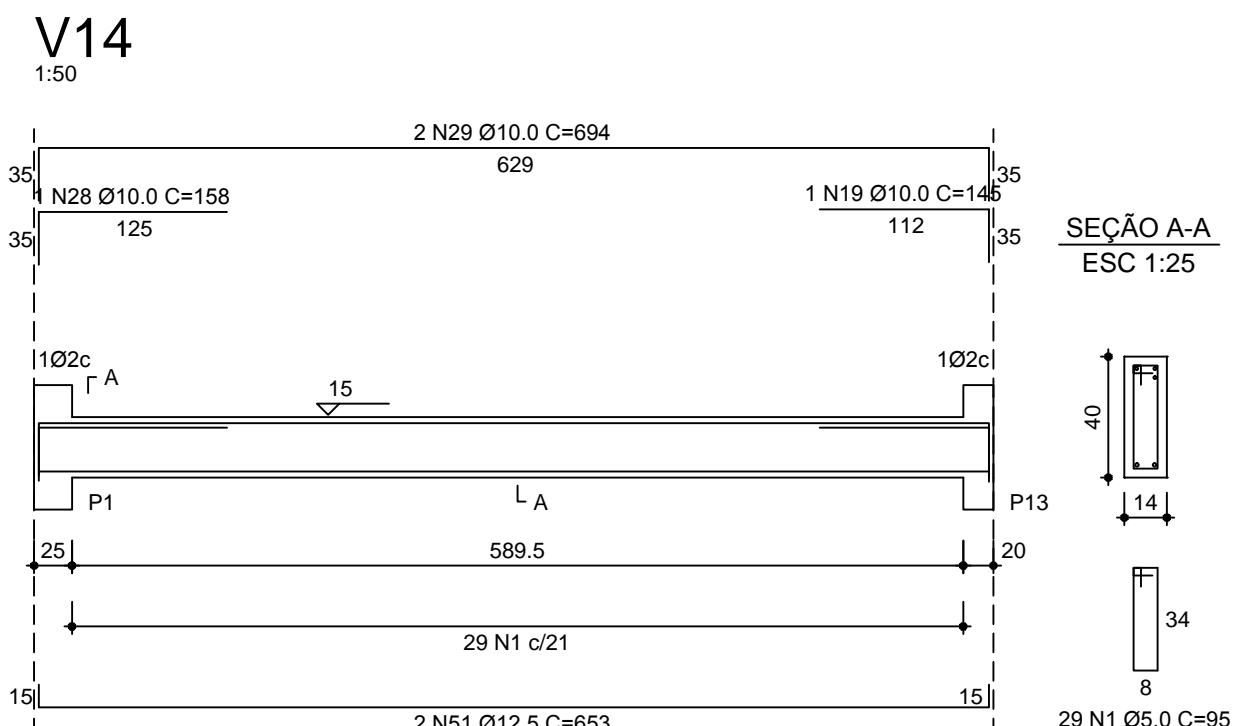
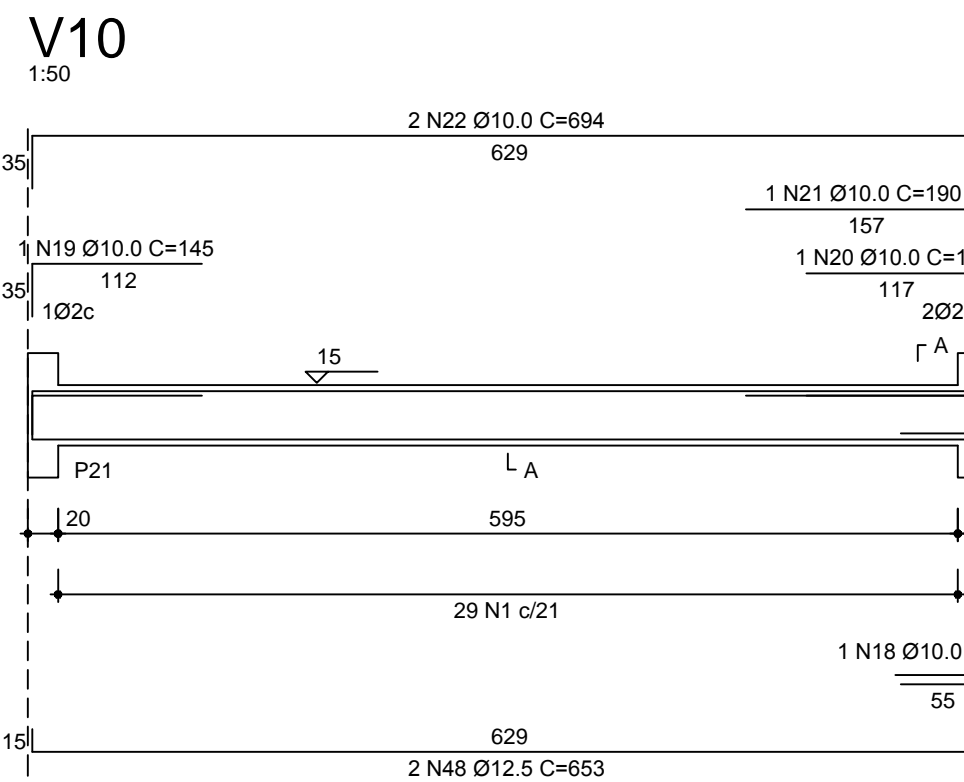
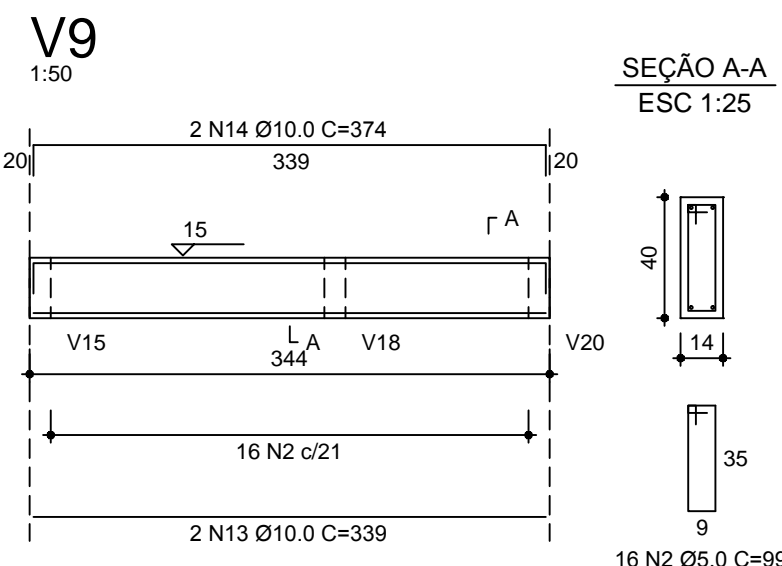
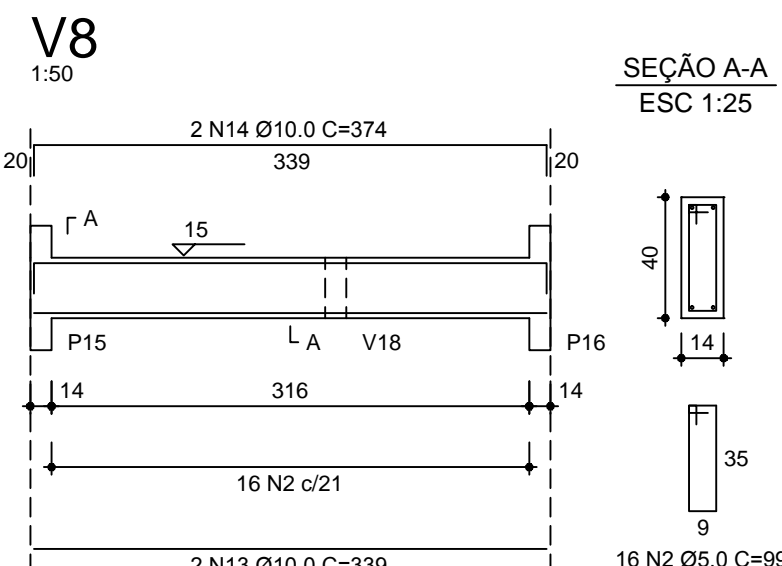
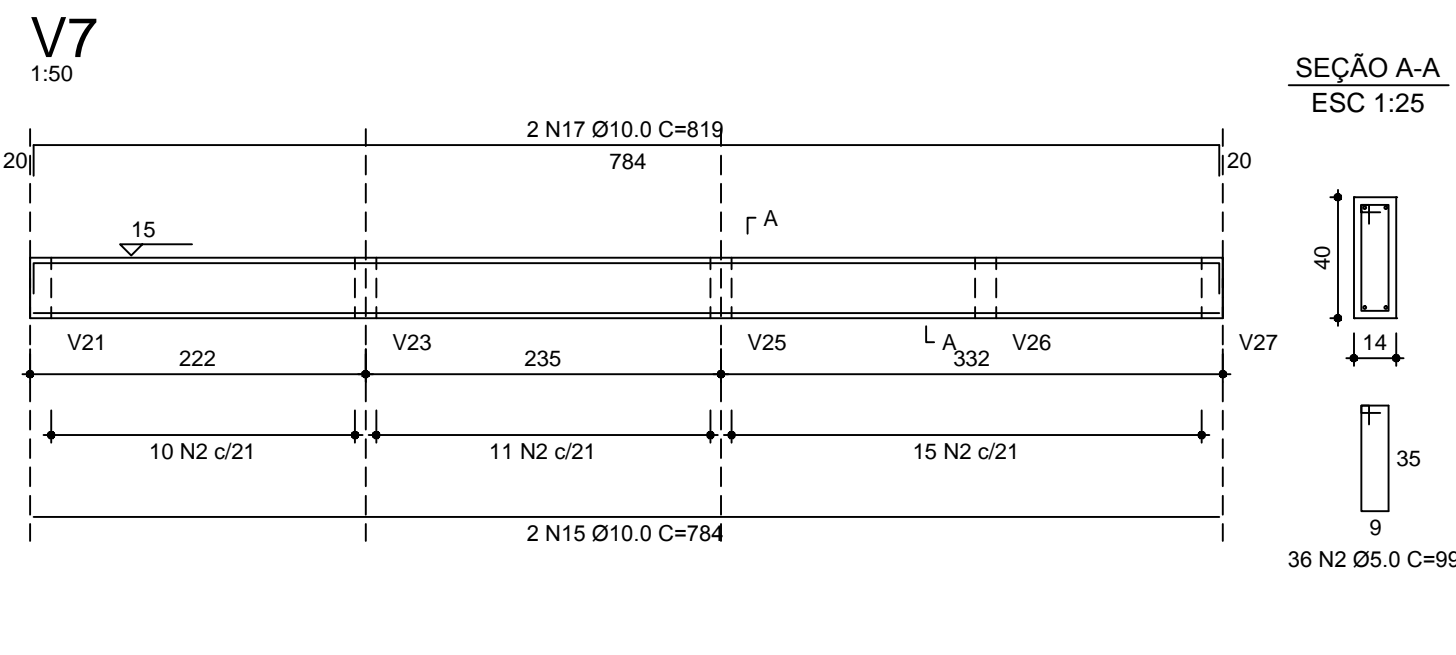
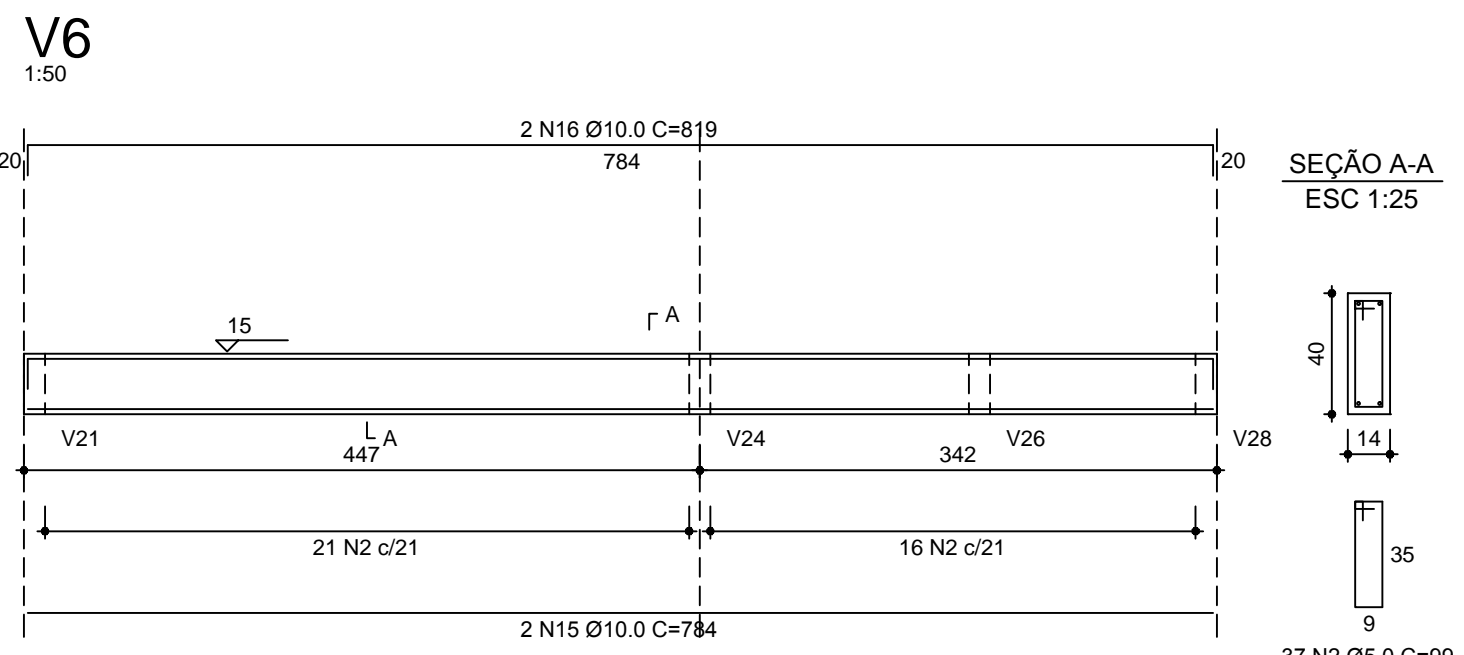
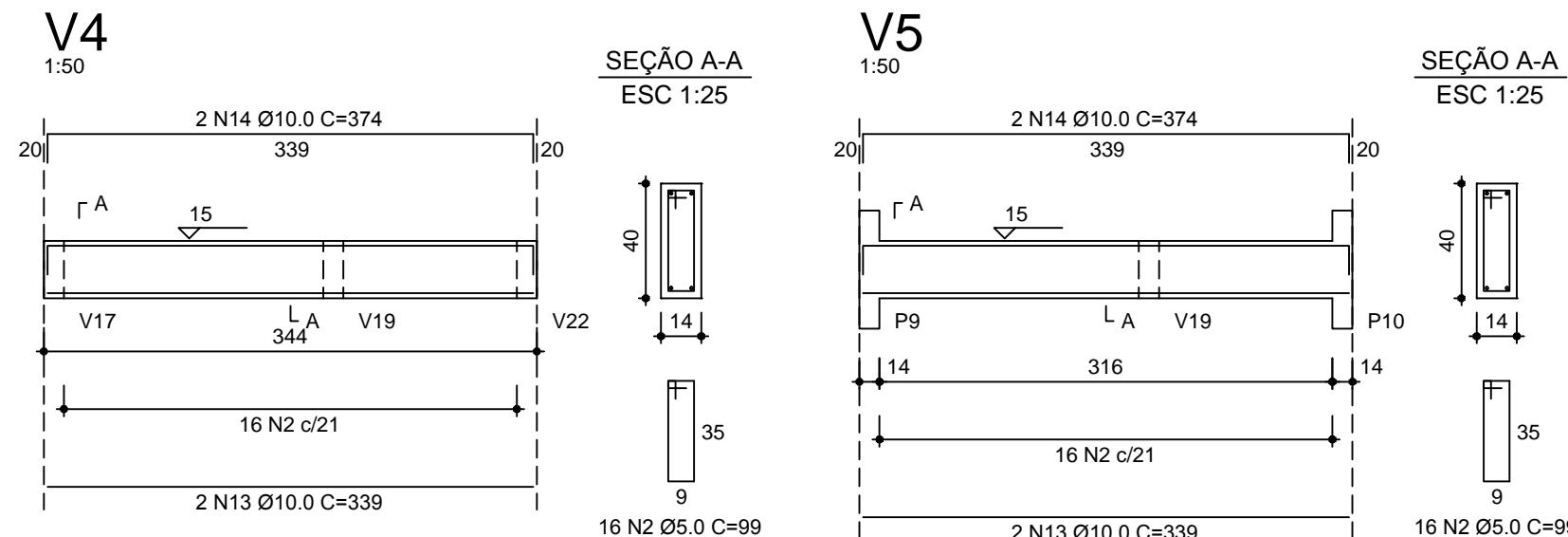
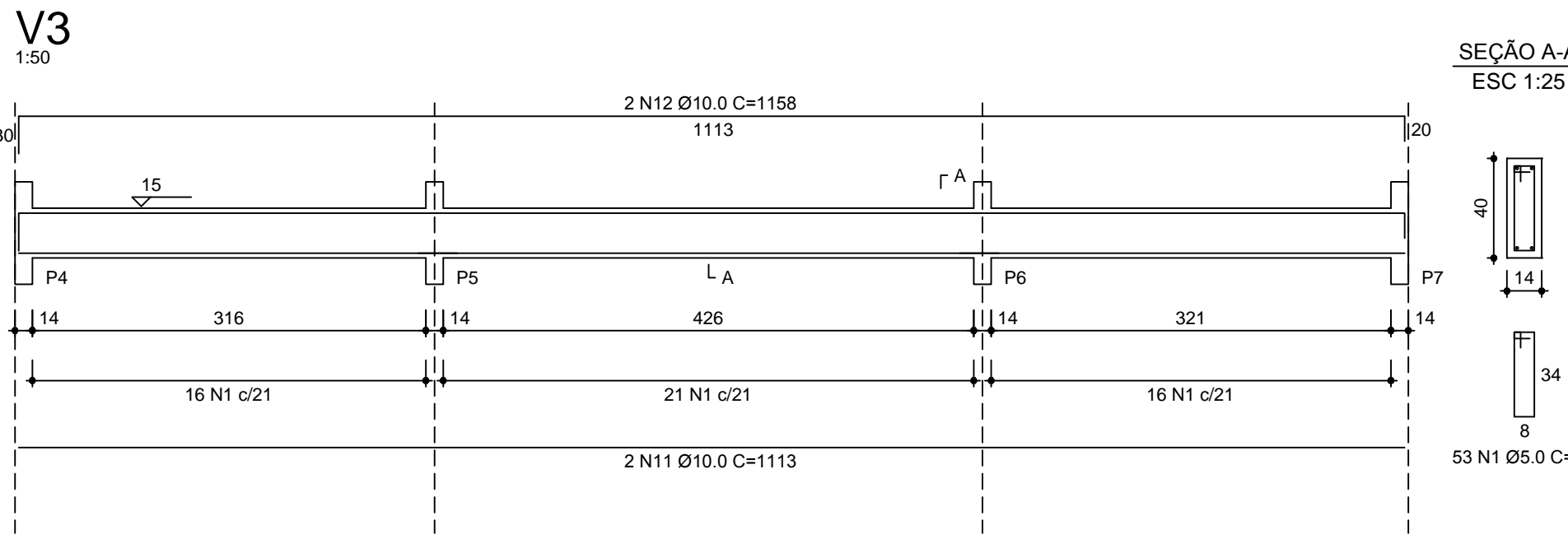
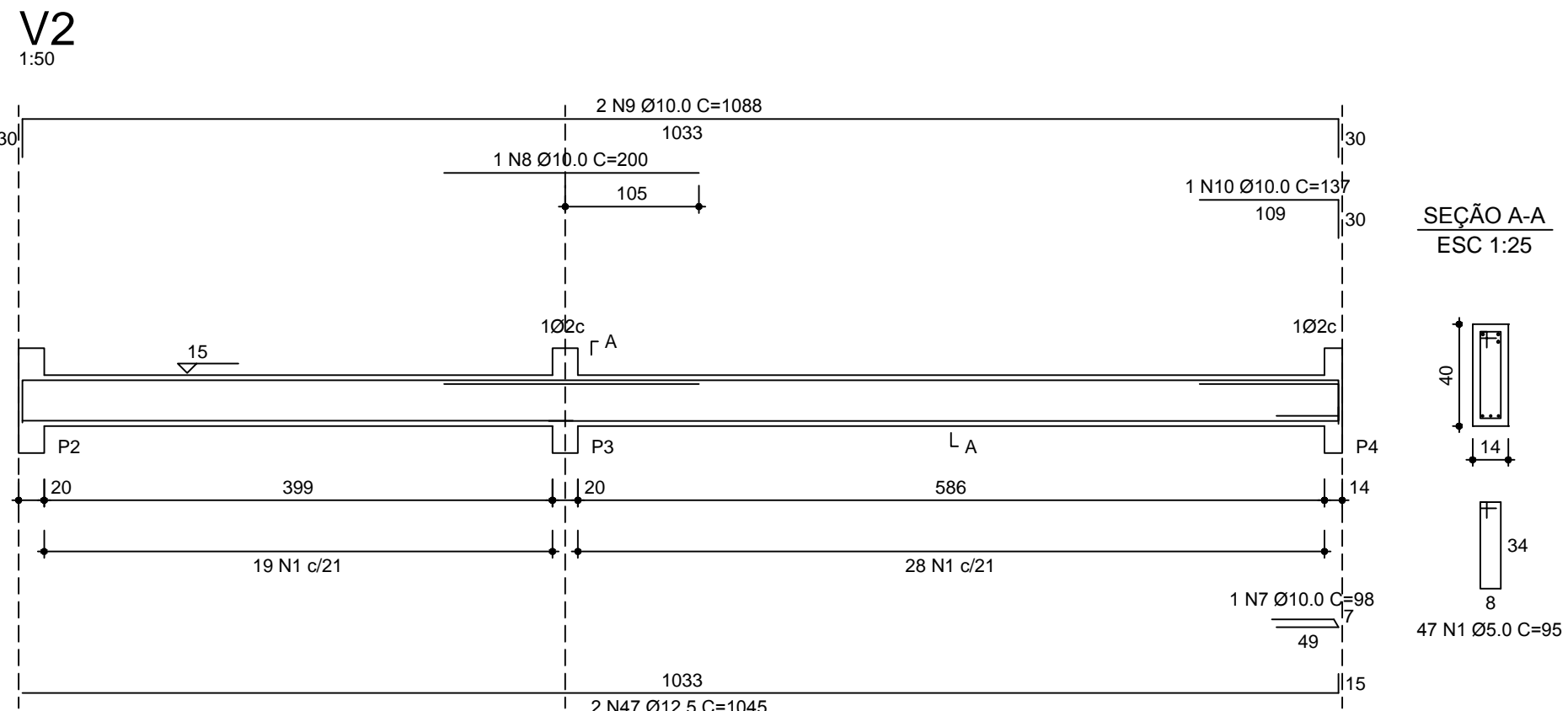
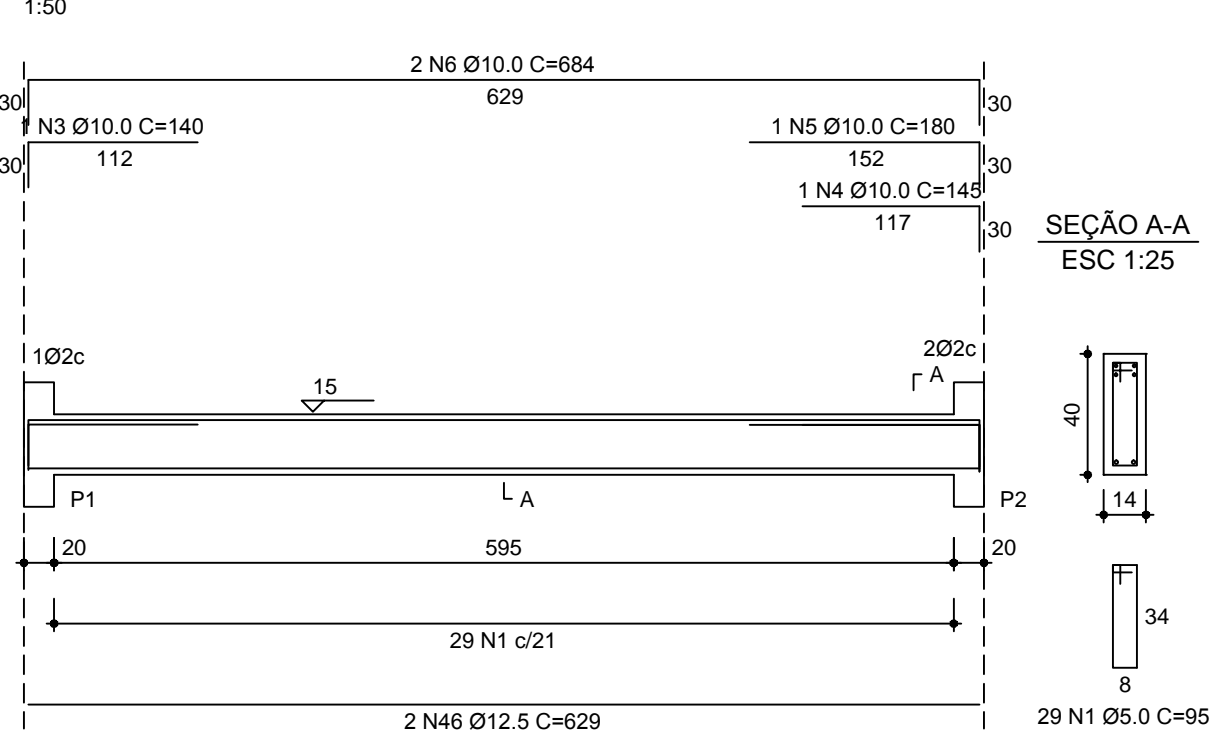


V1



VI A V28					
ACO	N	DIAM	Q	UNIT	C.TOTAL
50	1	5,0	392	99	37240
	2	5,0	375	98	37125
	3	5,0	360	96	36000
	4	10,0	2	145	290
	5	10,0	2	184	368
	6	10,0	2	184	368
	7	10,0	2	98	98
	8	10,0	2	200	400
	9	10,0	2	1088	2176
	10	10,0	2	137	137
10	11	10,0	2	1113	4452
	12	10,0	2	1168	2336
	13	10,0	2	338	676
	14	10,0	8	374	2992
	15	10,0	2	1088	2176
	16	10,0	2	819	1638
	17	10,0	2	819	1638
	18	10,0	2	103	206
	19	10,0	145	290	580
	20	10,0	1	190	190
15	21	10,0	1	432	432
	22	10,0	1	694	1388
	23	10,0	1	432	864
	24	10,0	1	432	864
	25	10,0	1	1078	2156
	26	10,0	1	1148	2296
	27	10,0	1	1148	2296
	28	10,0	1	158	316
	29	10,0	2	694	1388
	30	10,0	2	103	206
20	31	10,0	2	456	812
	32	10,0	2	511	1022
	33	10,0	2	224	448
	34	10,0	4	274	1096
	35	10,0	2	237	474
	36	10,0	2	652	1304
	37	10,0	2	652	1304
	38	10,0	2	652	1304
	39	10,0	2	228	456
	40	10,0	2	253	506
25	41	10,0	2	651	1302
	42	10,0	2	698	1396
	43	10,0	2	671	1342
	44	10,0	2	220	440
	45	10,0	2	718	1436
	46	12,5	2	1045	1258
	47	12,5	2	1045	1258
	48	12,5	2	653	1306
	49	12,5	2	698	1396
	50	12,5	2	889	1778
30	51	12,5	2	889	1778
	52	12,5	2	547	1094
	53	12,5	4	174	696
	54	12,5	4	164	656
	55	12,5	4	598	2396
	56	12,5	4	598	2396
	57	12,5	4	598	2392
	58	12,5	4	534	2136
	59	12,5	4	534	2132
	60	12,5	2	524	1040
35	61	12,5	2	534	1068
	62	12,5	2	284	568
	63	12,5	2	534	1068
	64	12,5	2	703	1406
	65	12,5	1	249	249
	66	12,5	1	249	249
	67	12,5	1	249	249
	68	12,5	1	249	249
	69	12,5	1	249	249
	70	12,5	1	249	249

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	501.0	339.8
	12.5	258.7	274.1
CA60	5.0	747.5	126.7

Vol. concreto (C-25) = 9.53 m<sup>3</sup>  
Área de forma total = 160.00 m<sup>2</sup>

**CARIMBOS:**



**GRUPO TÉCNICO DE ESPECIALIDADES**

**SECRETARIA DE OBRAS** ENG. CÉSAR RODRIGO EMERSON CREA03 130626-08  
**COORDENADOR DE OBRAS** ENG. ENZO WELLSLANTON TOSCHER CEA008 48689-9

**DIRETORIA DE OBRAS - SE0**

**CHefe de SE0**

ENR. JOSÉ PAULO ALVES ZENARO CREA03 10312-13  
ENR. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11  
ENR. DR. PAULO ROBERTO SCHENKENS CREA03 103712  
ENR. CÉSAR RODRIGO EMERSON CREA03 130626-08  
ENR. ALUÍZIO ANA CARLOS CREA03 127096  
ENR. FABRÍCIO BAILESTIN CREA03 18187-0  
ENR. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11

**COORDENADOR DE PROJETOS**

**DIRETORIA DE PROJETOS - SE0**

ENR. JOSÉ ADRIANA PRATTO MOUTON CEA01 41125-6  
ENR. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11  
ENR. ELICETER VILAS BOAS TOSCHER CREA03 00690-0  
ENR. ELICETER VILAS BOAS TOSCHER CREA03 143784  
ENR. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11  
ENR. MIGUEL DANIEL SEPULCHRA CREA03 114317-1  
TCC. MEC. MARCELO FERRAZ CREA03 120257-6  
TCC. LUIZ CARLOS DEBEO ANDONATO CREA03 110811-4  
TCC. ADRIANA PRATTO MOUTON CEA01 41125-6  
TCC. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11  
TCC. CARLOS ALBERTO MARQUES TOSCHER CREA03 11181-11

LOCAL:  
LARANJEIRAS DO SUL - PR  
OBRA:  
PAVILHÃO DE PATRIMÔNIO E ALMOXARIFADO  
PROJETO:  
ESTRUTURAL  
CONTEÚDO:  
DETALHAMENTO - VIGAS BALDRAMES (NÍVEL 15)  
ENDEREÇO:  
RODOVIA BR 158, KM 405, CEP 85301-970

FASE:  
PROJETO EXECUTIVO

REVISÃO Nº:  
R01

DATA:  
30/04/2019

DESENHADO POR:  
RODRIGO

NOME DO ARQUIVO:

ESCALA:  
1:25 E 1:50  
TAMANHO FOLHA  
594x1189  
Nº PRANCHA:  
EST 05 / 06