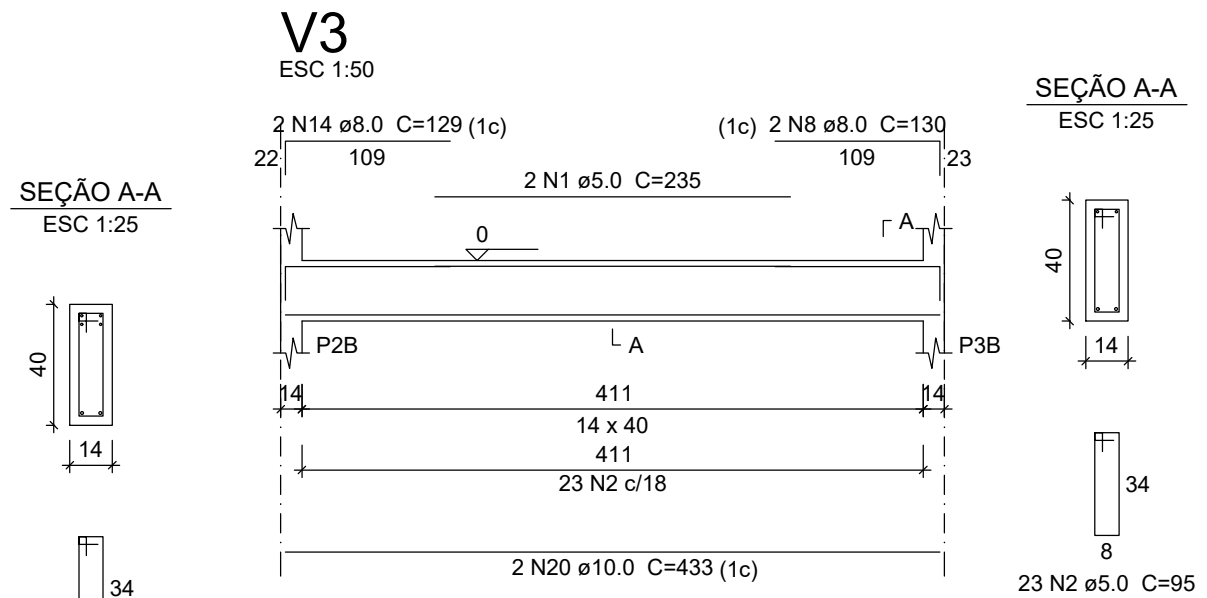
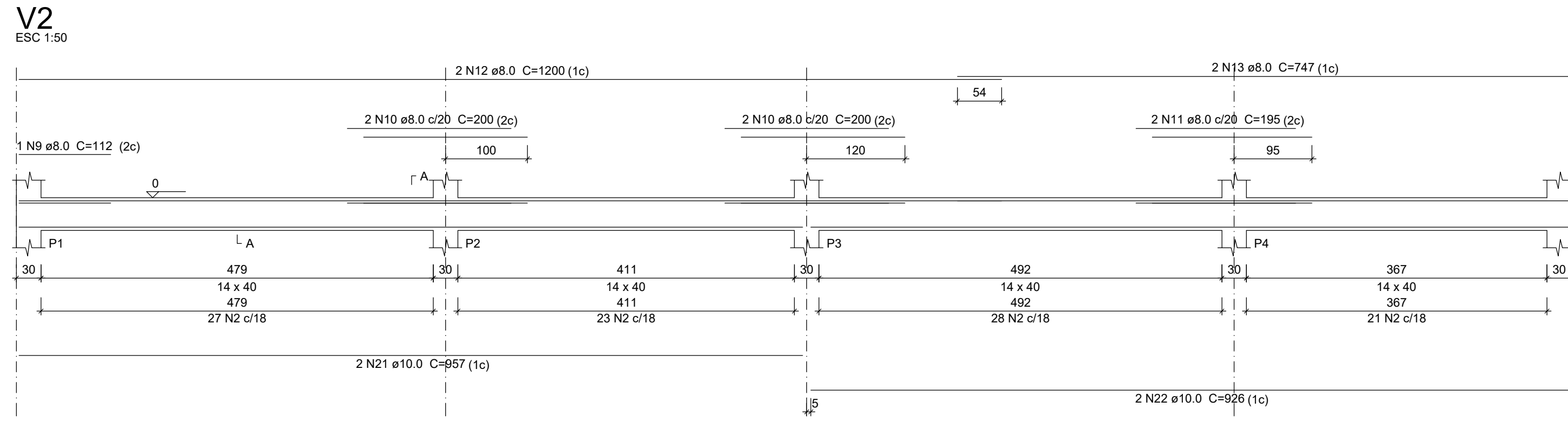
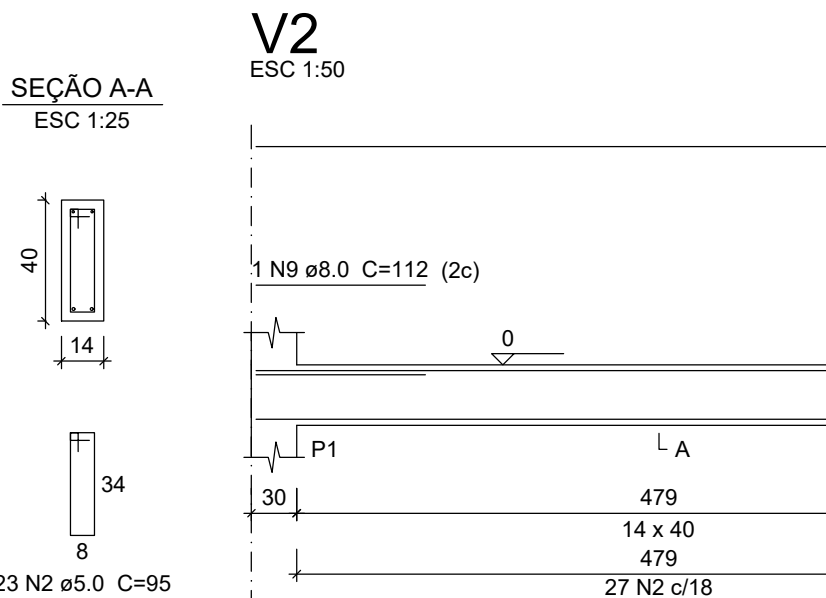
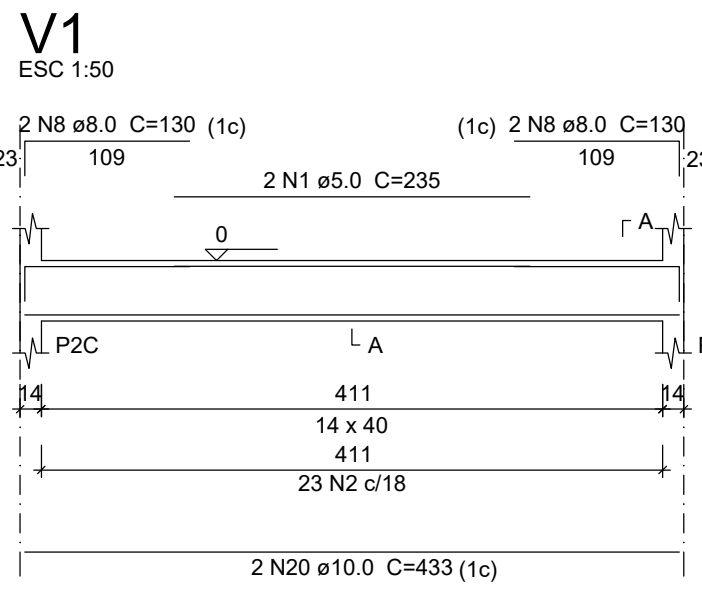
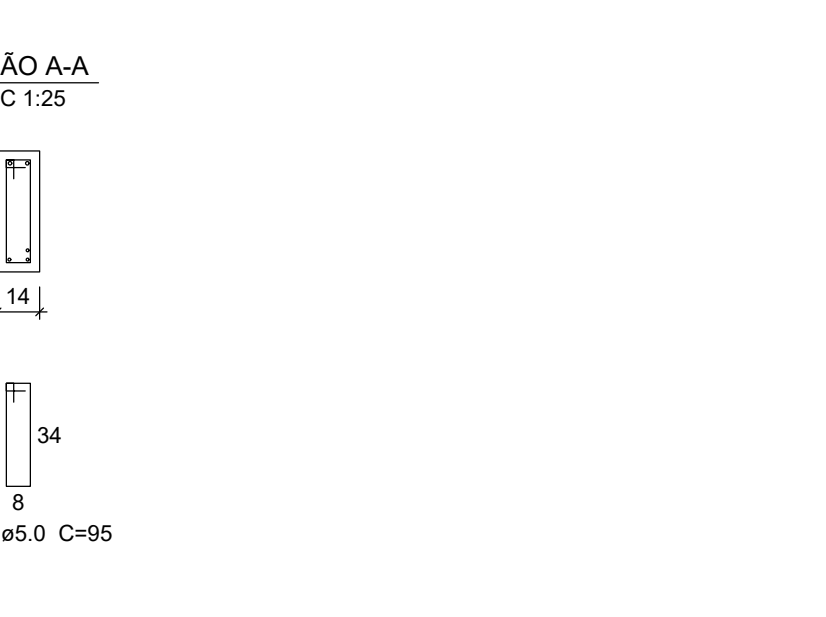
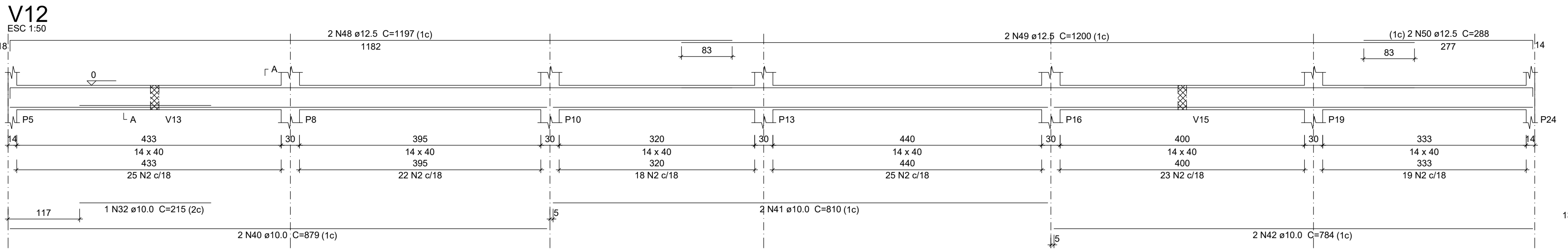
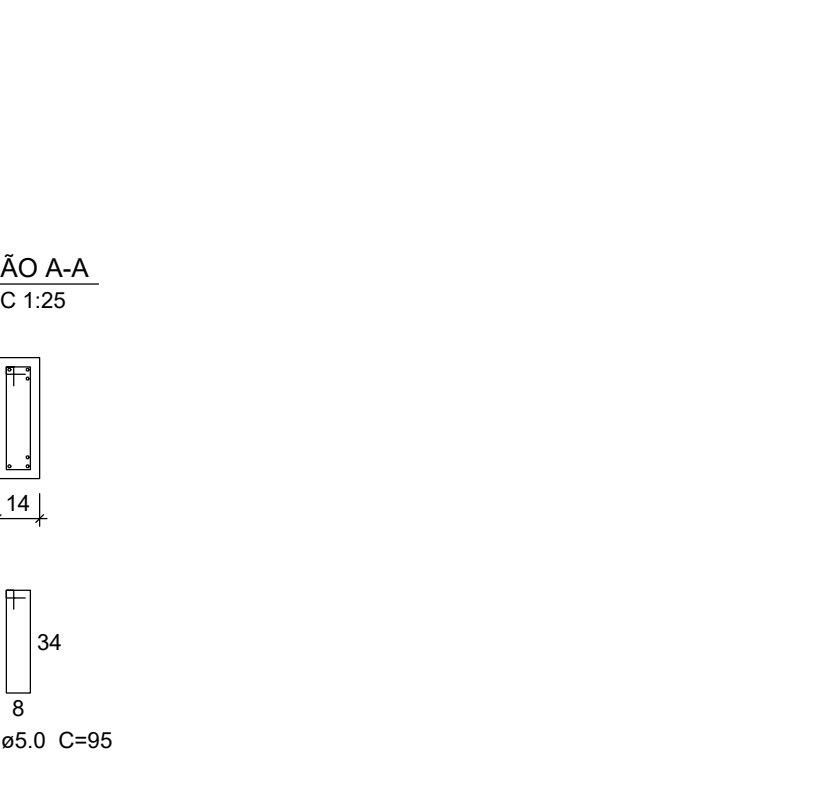
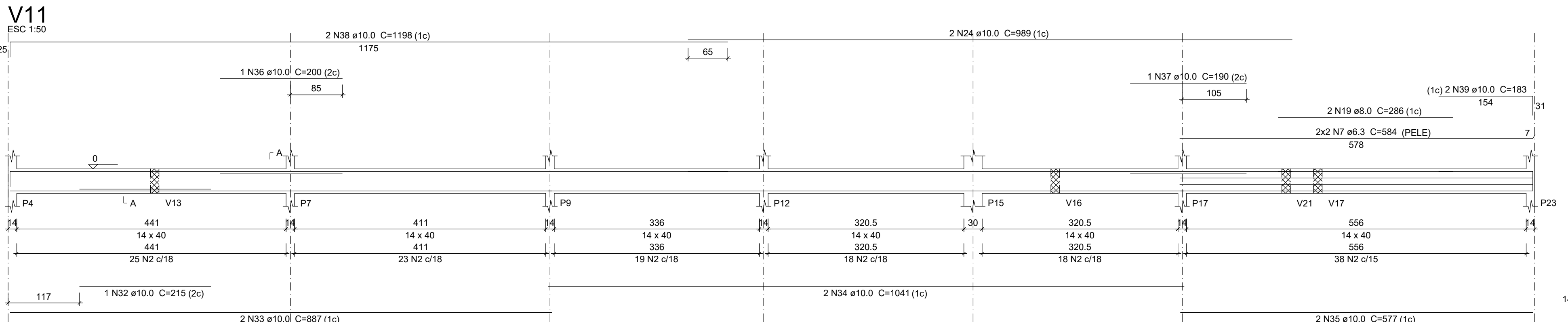
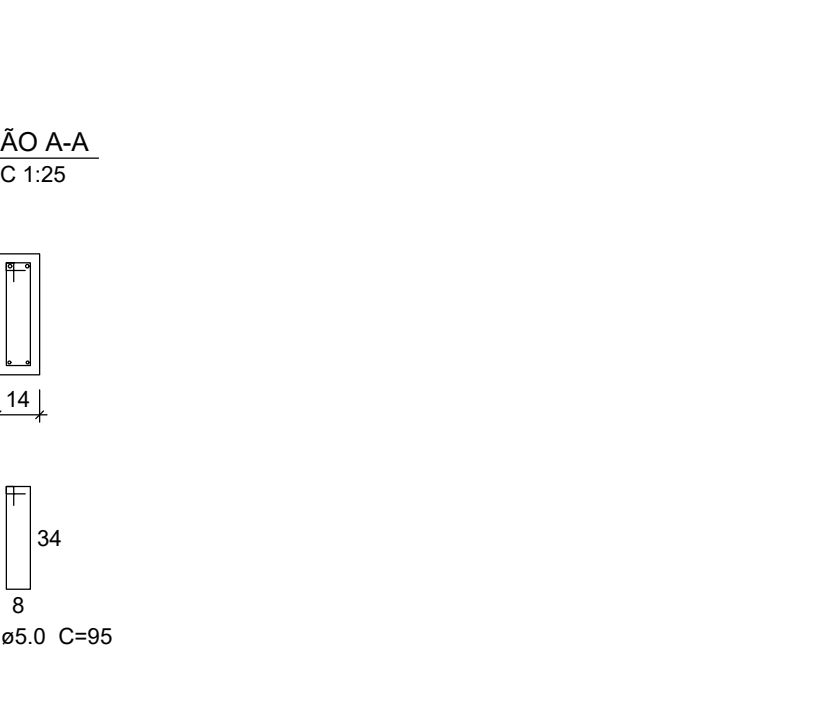
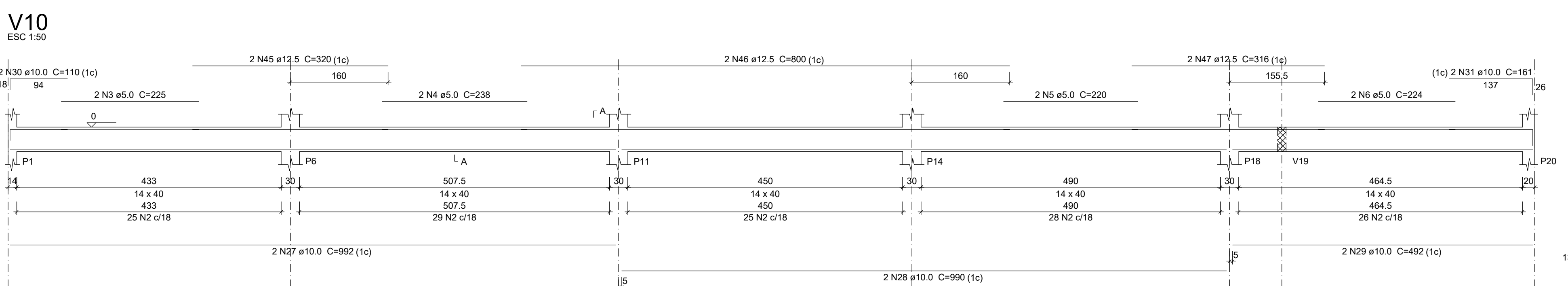
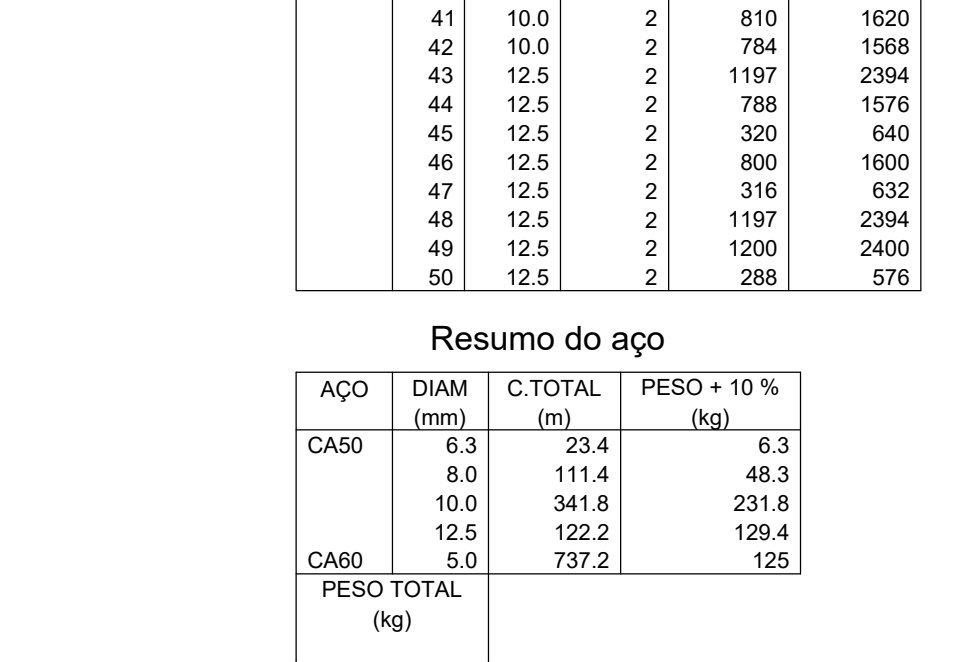
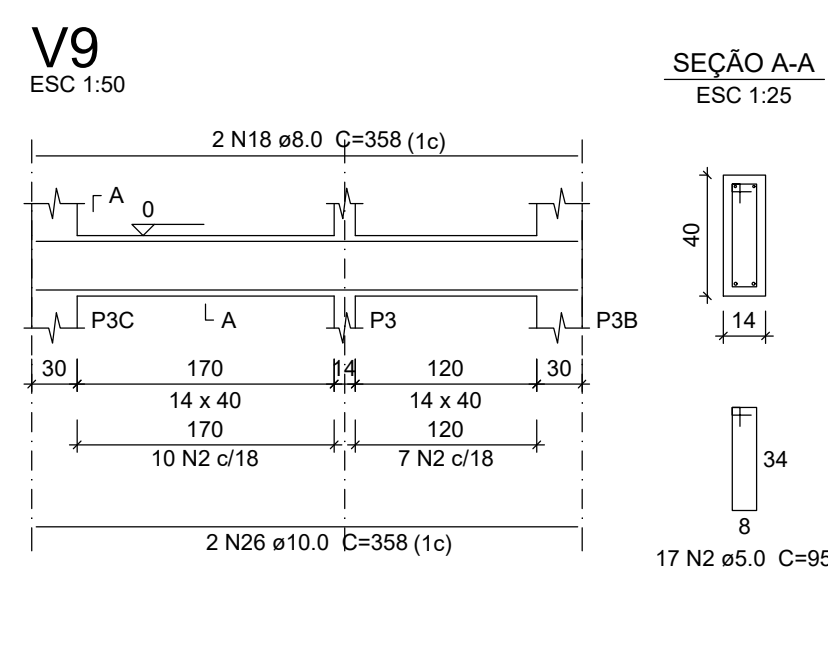
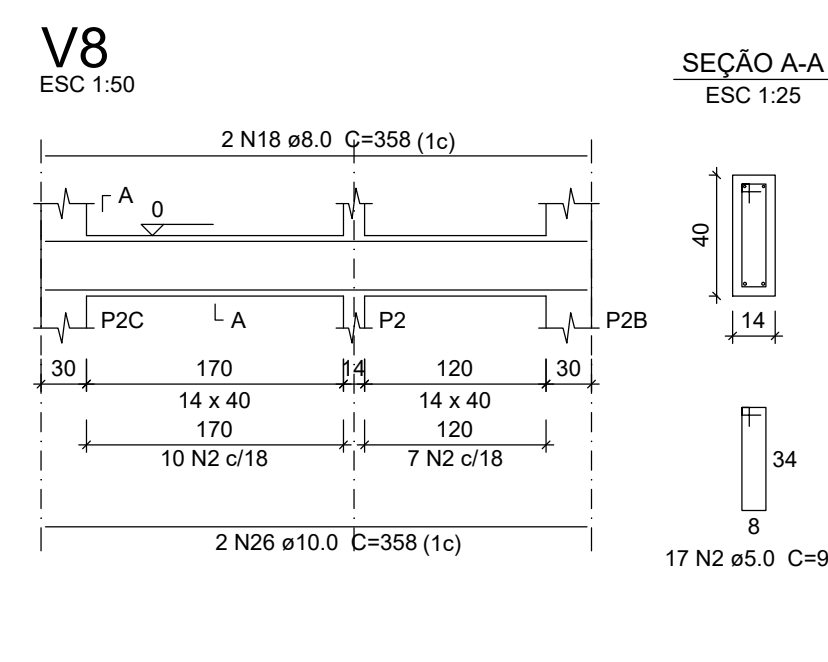
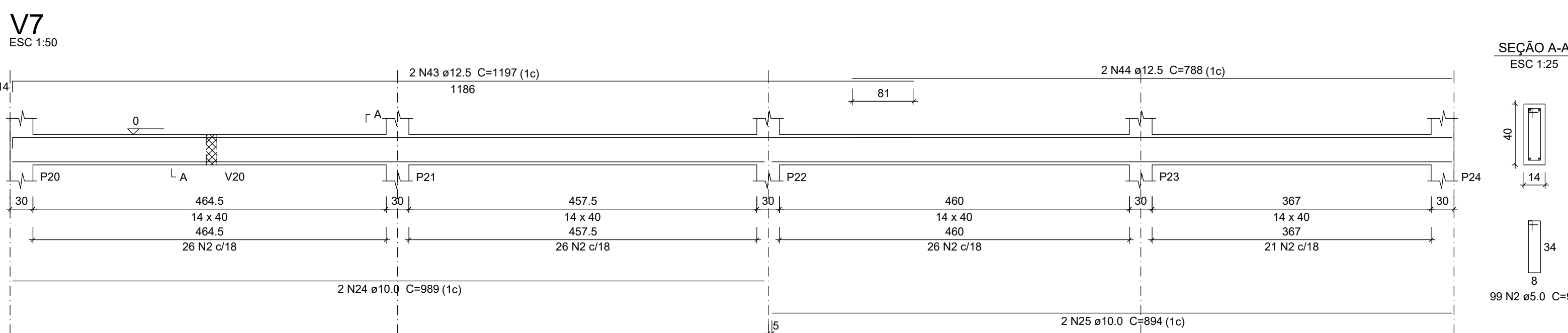
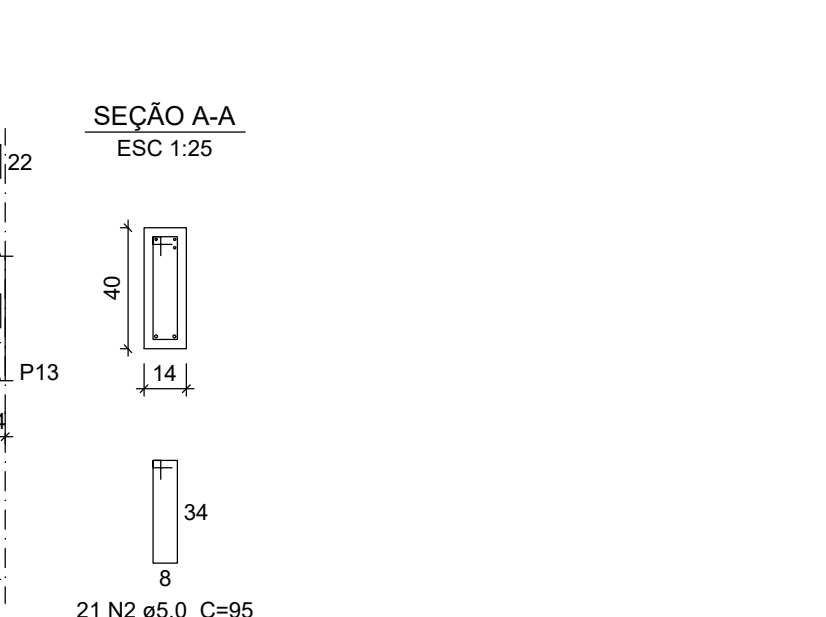
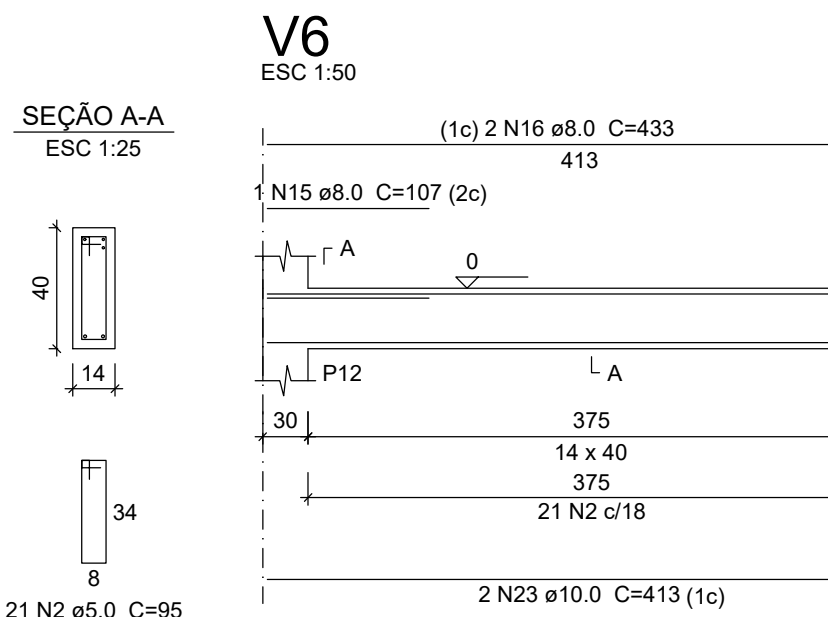
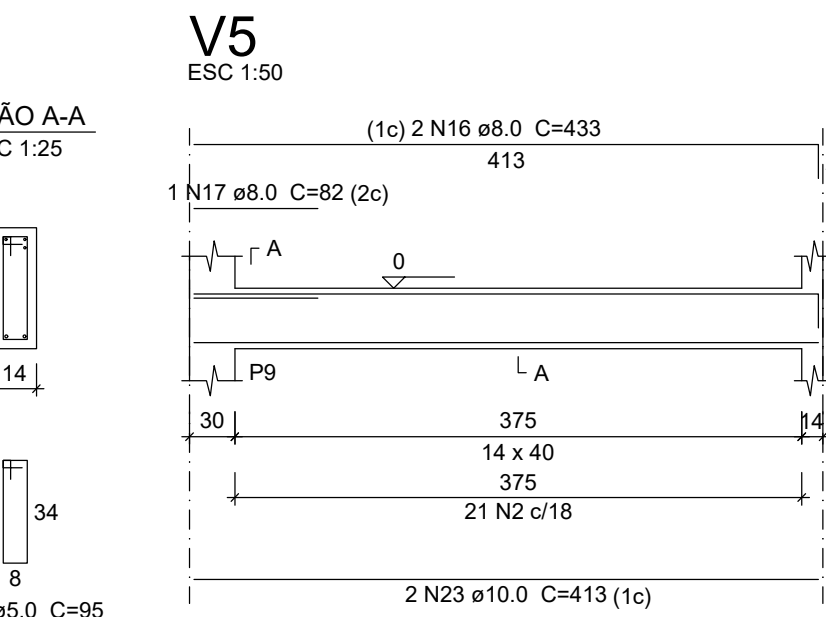
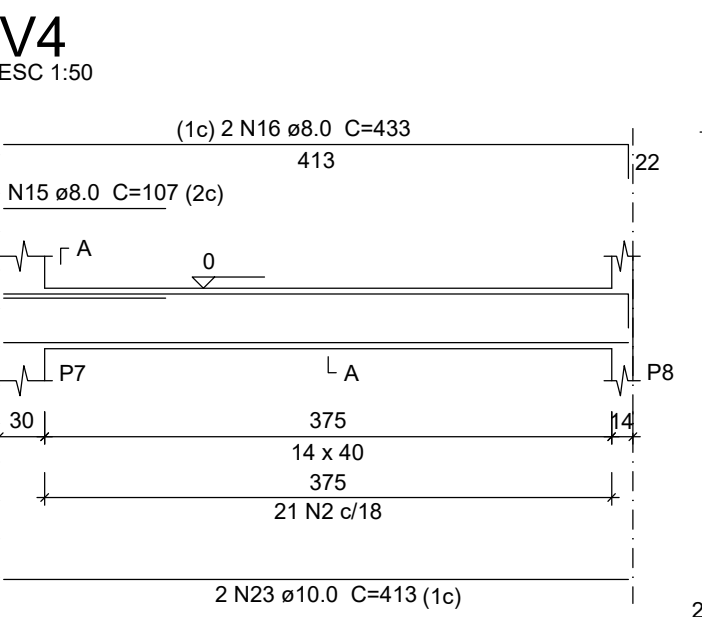




Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	4	235	940
	2	5.0	747	95	70965
	3	5.0	2	225	450
	4	5.0	2	238	476
	5	5.0	2	220	440
	6	5.0	2	224	448
CA50	7	6.3	4	584	2336
	8	8.0	6	130	780
	9	8.0	1	112	112
	10	8.0	4	200	800
	11	8.0	2	195	390
	12	8.0	2	1200	2400
	13	8.0	2	747	1494
	14	8.0	2	129	258
	15	8.0	2	107	214
	16	8.0	6	433	2598
	17	8.0	1	82	82
	18	8.0	4	358	1432
	19	8.0	2	286	572
	20	10.0	4	433	1732
	21	10.0	2	957	1914
	22	10.0	2	926	1852
	23	10.0	6	413	2478
	24	10.0	4	989	3956
	25	10.0	2	894	1788
	26	10.0	4	358	1432
	27	10.0	2	992	1984
	28	10.0	2	990	1980
	29	10.0	2	492	984
	30	10.0	2	110	220
	31	10.0	2	161	322
	32	10.0	2	215	430
	33	10.0	2	887	1774
	34	10.0	2	1041	2082
	35	10.0	2	577	1154
	36	10.0	1	200	200
	37	10.0	1	190	190
	38	10.0	2	1198	2396
	39	10.0	2	183	366
	40	10.0	2	879	1758
	41	10.0	2	810	1620
	42	10.0	2	784	1568
	43	12.5	2	1197	2394
	44	12.5	2	788	1576
	45	12.5	2	320	640
	46	12.5	2	800	1600
	47	12.5	2	316	632
	48	12.5	2	1197	2394
	49	12.5	2	1200	2400
	50	12.5	2	288	576



Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	23.4	6.3
	8.0	111.4	48.3
	10.0	341.8	231.8
	12.5	122.2	129.4
CA60	5.0	737.2	125
PESO TOTAL (kg)			
CA50	415.8		
CA60	125		

Volume de concreto (C-25) = 7.32 m³
Área de forma = 123.05 m²

RESPONSÁVEL TÉCNICO
Engº NELSON LUIS MELIM

PROPRIETÁRIO
PREFEITURA MUNICIPAL DE VIDAL RAMOS

Eng.º Civil Nelson Luis Melim
CREA/SC - 052.036-9

MELIM Engenharia
Av.: Jardim Panorama, 357 - Sumaré
Fone (047) 999886066
89.160-000 - Rio do Sul / SC
e-mail - melimconstrutora@gmail.com

ME
MELIM Engenharia

OBRA: CENTRO DE IDOSOS

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE VIDAL RAMOS
CNPJ: 83.102.376/0001-34

LOCALIZAÇÃO: RODOVIA SC 110 - VIDAL RAMOS

Projeto: ESTRUTURAL

Conteúdo: Vigas térreo 01

PRANCHA
07/13

DATA: Dezembro/2025

ÁREA: 489,35m²

DESENHO: Tarcísio

ESCALAS: Indicadas