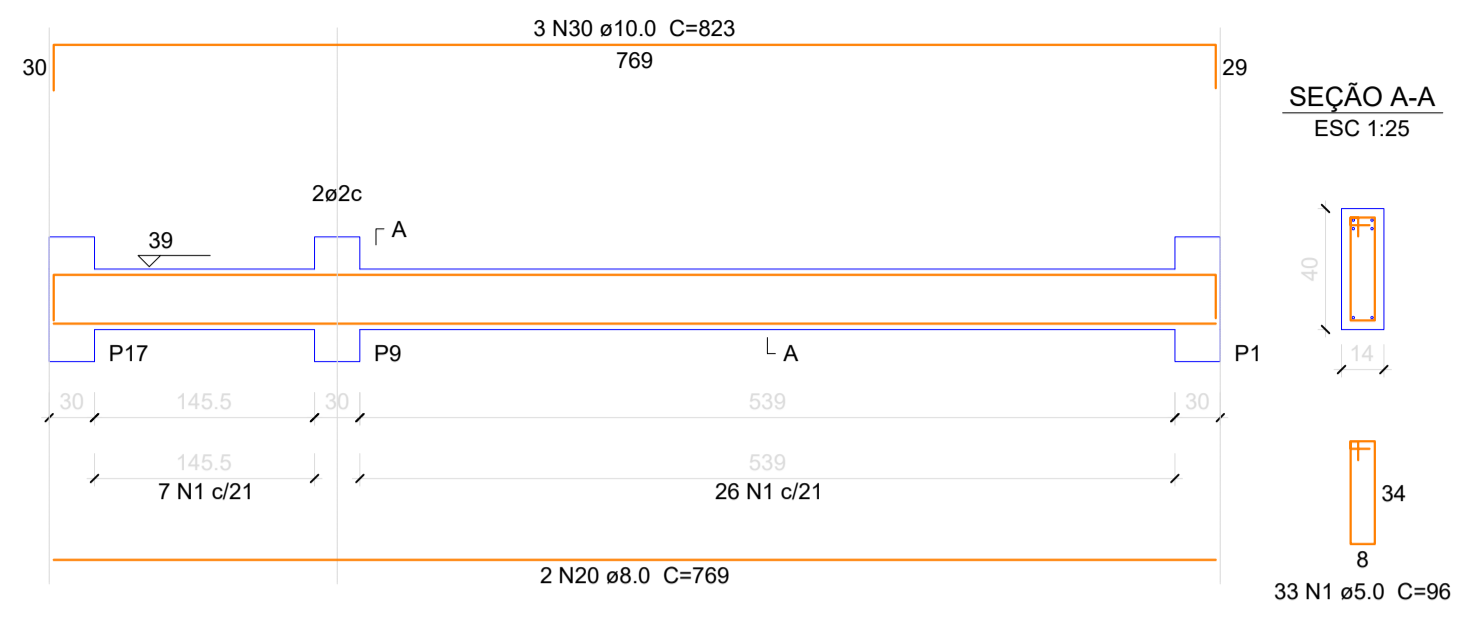


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x40	0	39
V2	14x40	0	39
V3	14x40	0	39
V4	14x40	0	39
V5	14x40	20	59
V6	14x40	0	39
V7	14x40	0	39
V8	14x40	0	39
V9	14x40	20	59
V10	14x40	0	39
V11	14x40	0	39
V12	14x40	0	39
V13	14x40	0	39
V14	14x40	0	39
V15	14x40	0	39
V16	14x40	0	39
V17	14x40	0	39
V18	14x40	0	39
V19	14x40	0	39
V20	14x40	20	59
V21	14x40	20	59

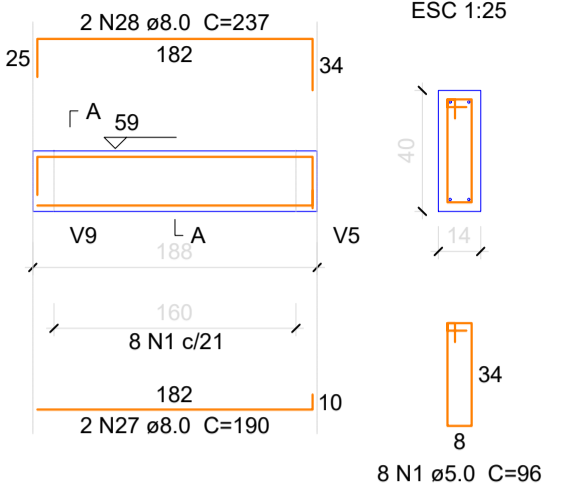
Características dos materiais	
fck (kgf/cm ²)	Ecs (kgf/cm ³)
250	238000

Dimensão máxima do agregado = 19 mm

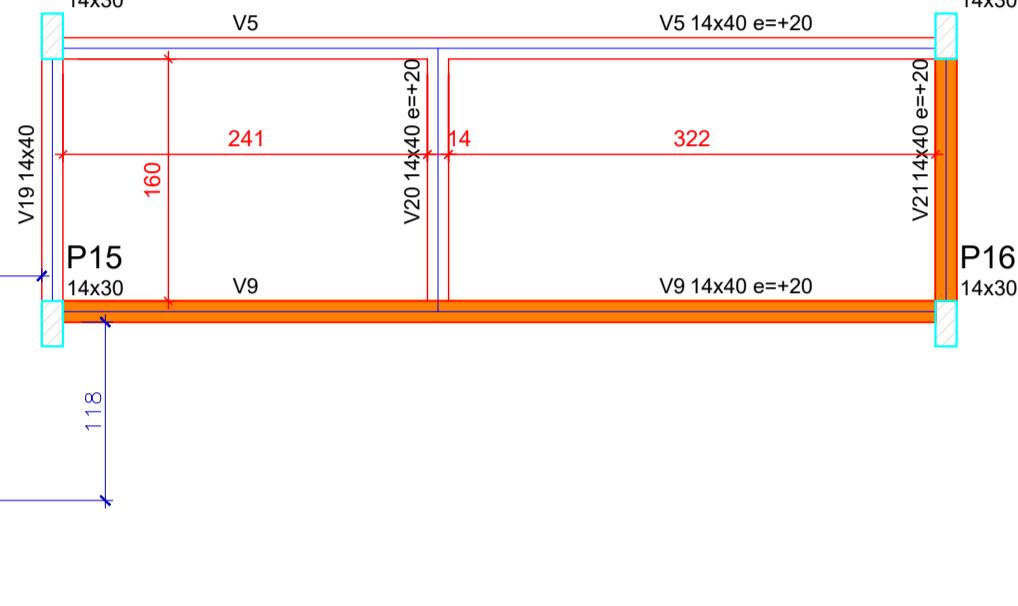
V13 ESC 1:50



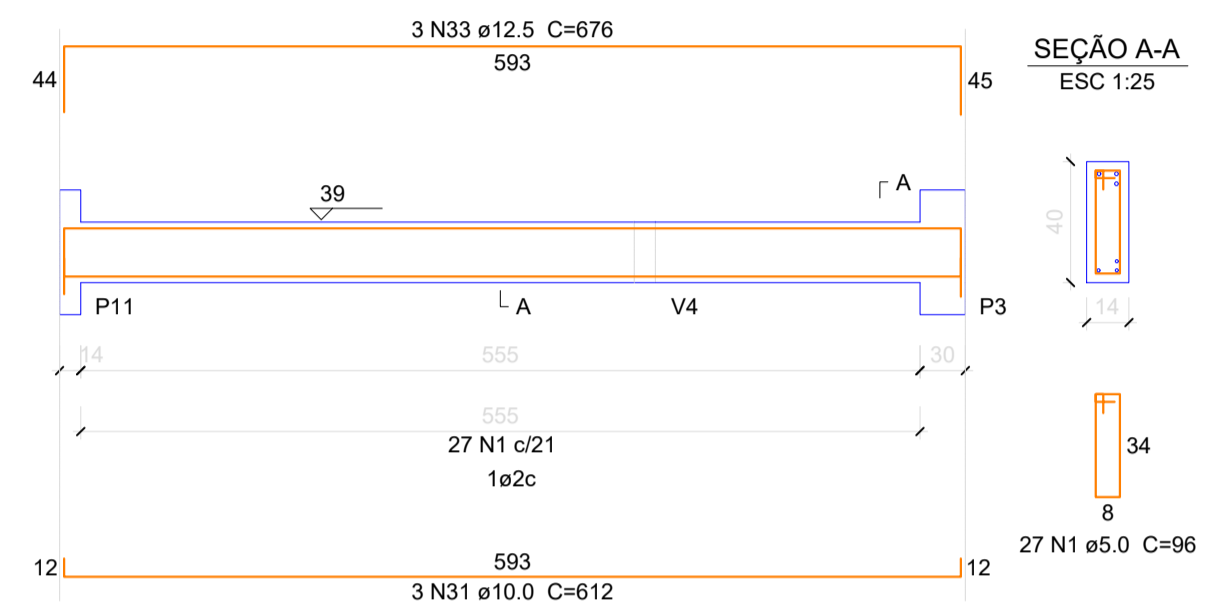
V20 ESC 1:50



V14 ESC 1:50

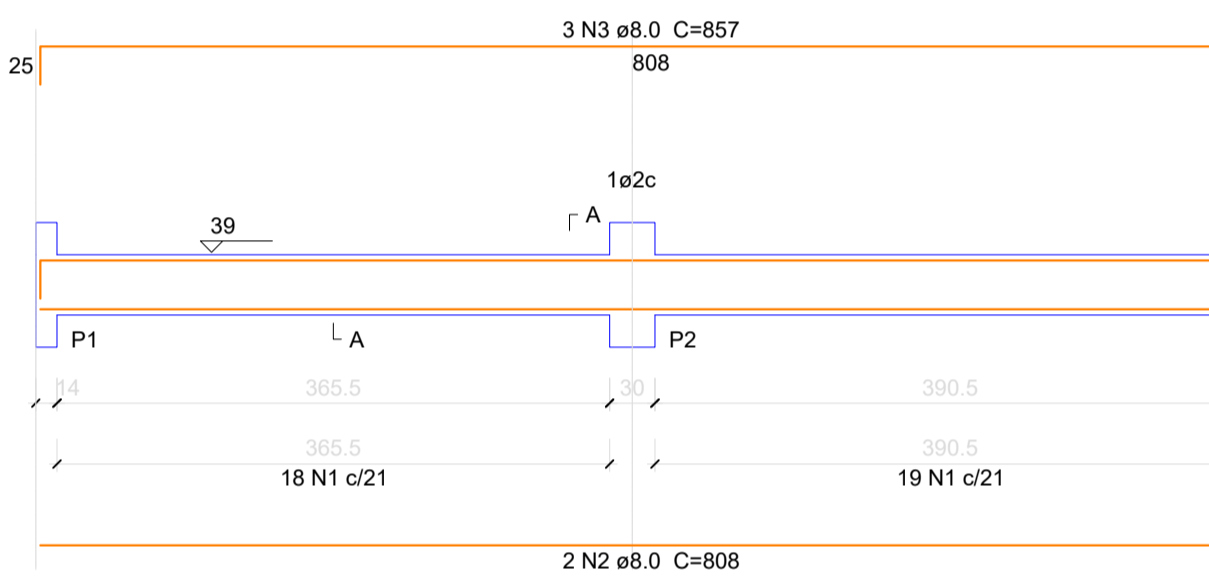


V14 ESC 1:50

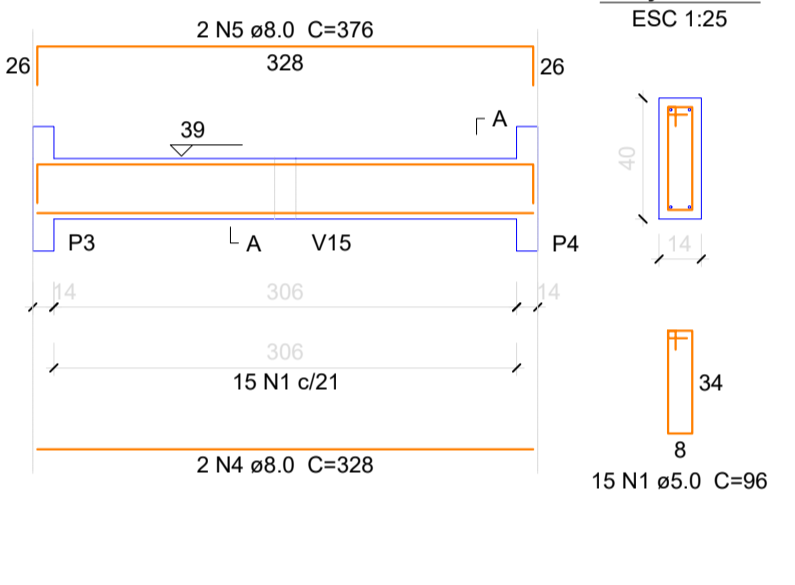


Forma do pavimento Fundação escala 1:50

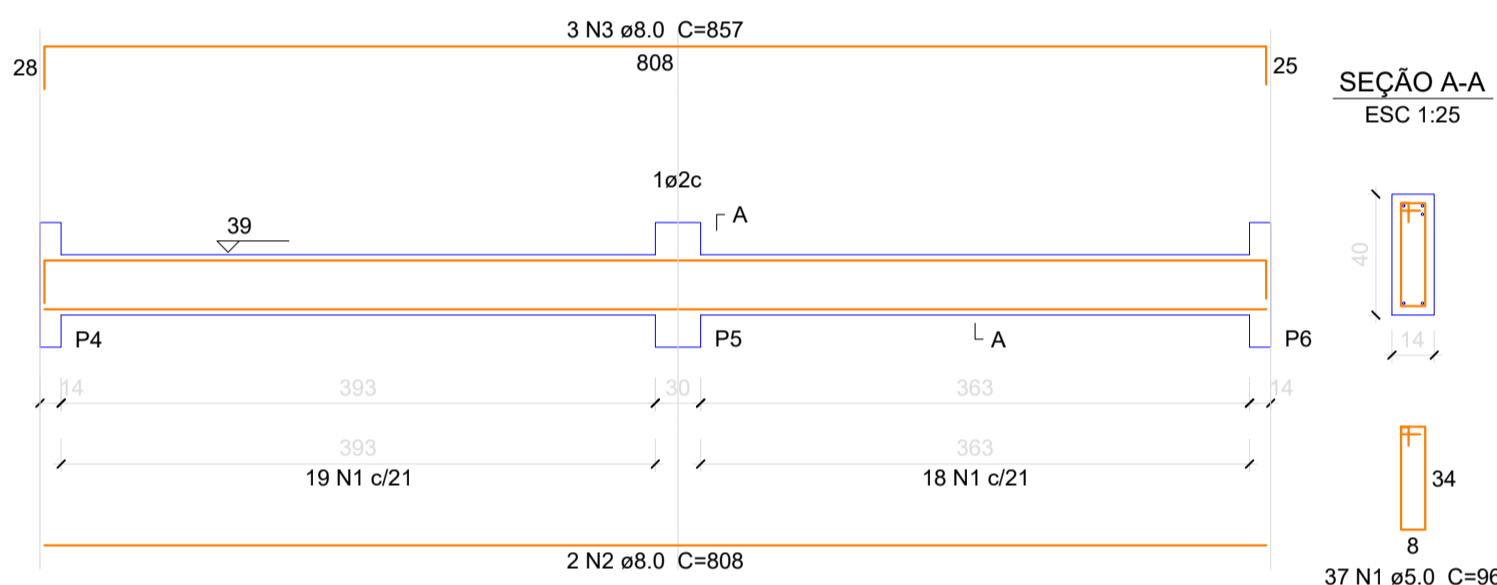
V1 ESC 1:50



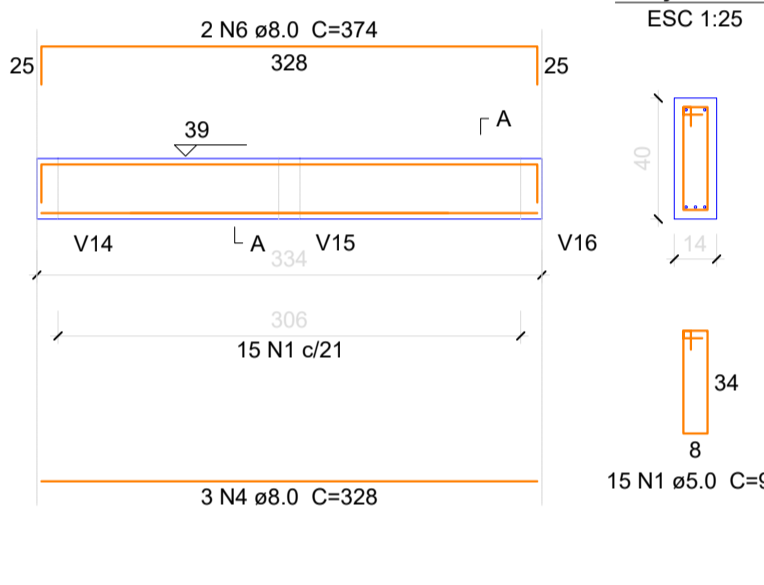
V2 ESC 1:50



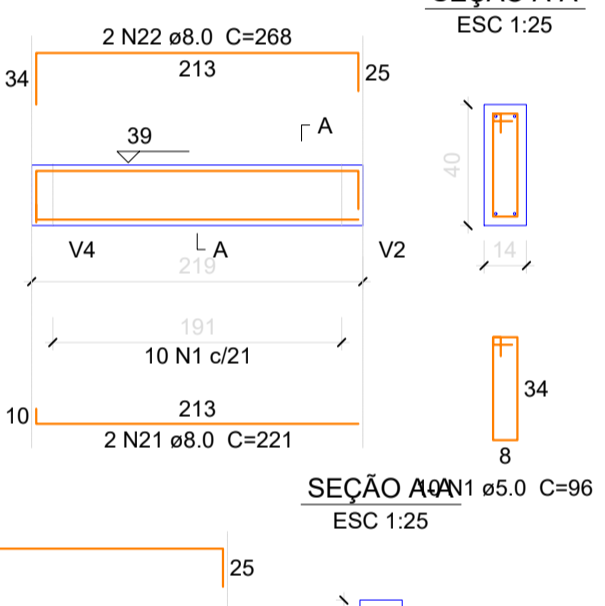
V3 ESC 1:50



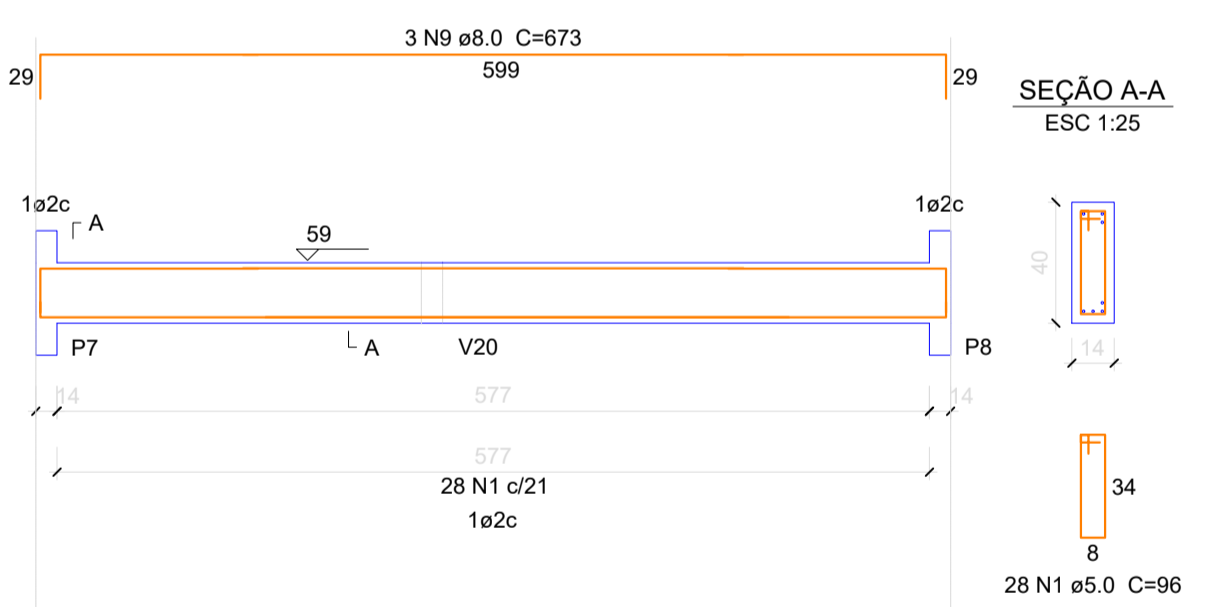
V4 ESC 1:50



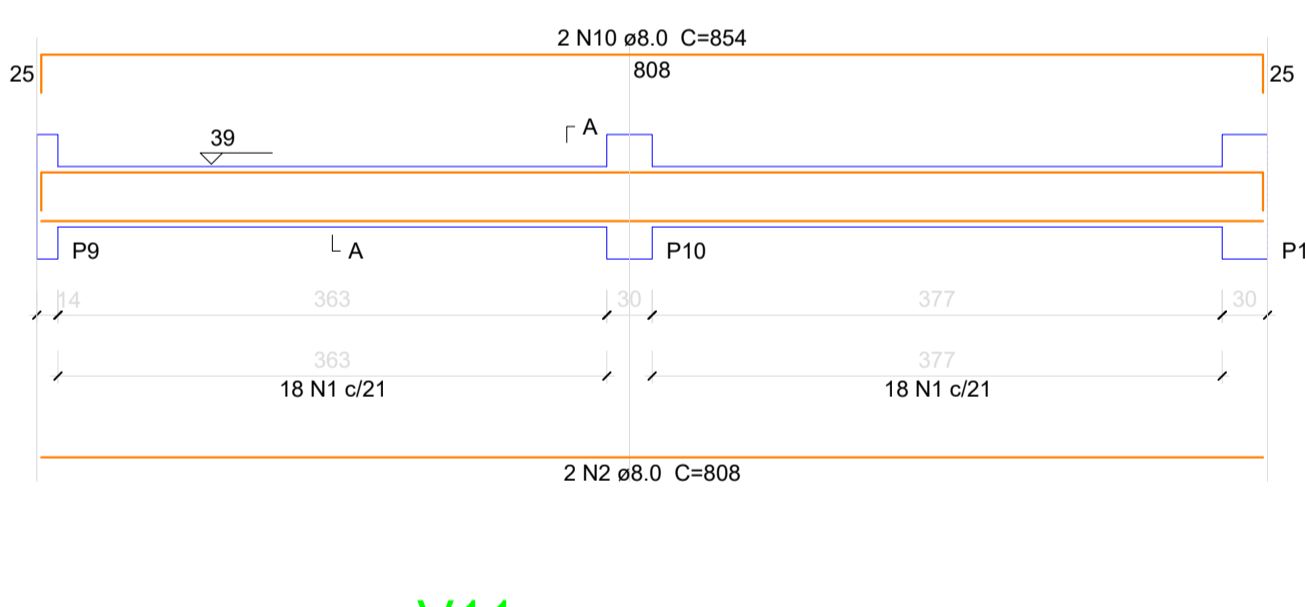
V15 ESC 1:50



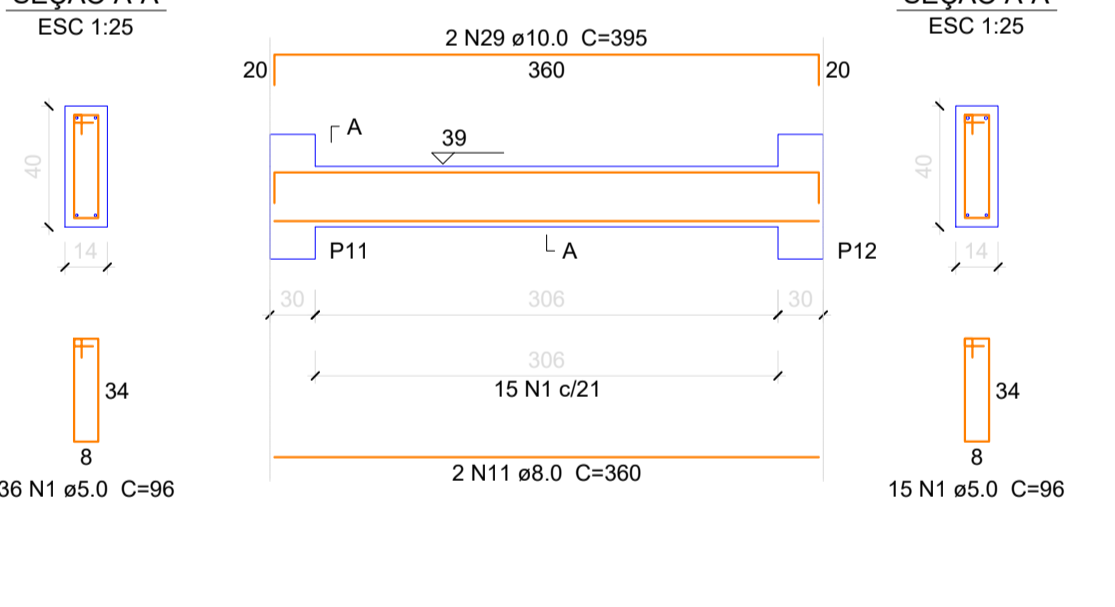
V5 ESC 1:50



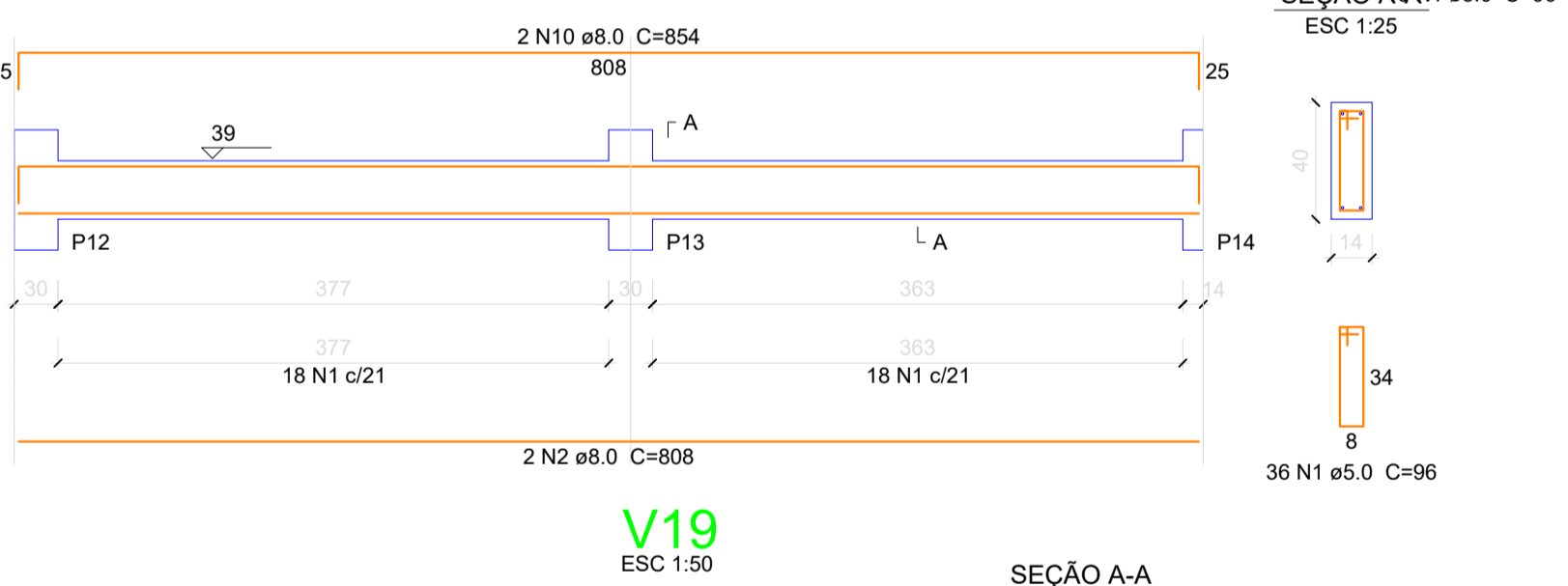
V6 ESC 1:50



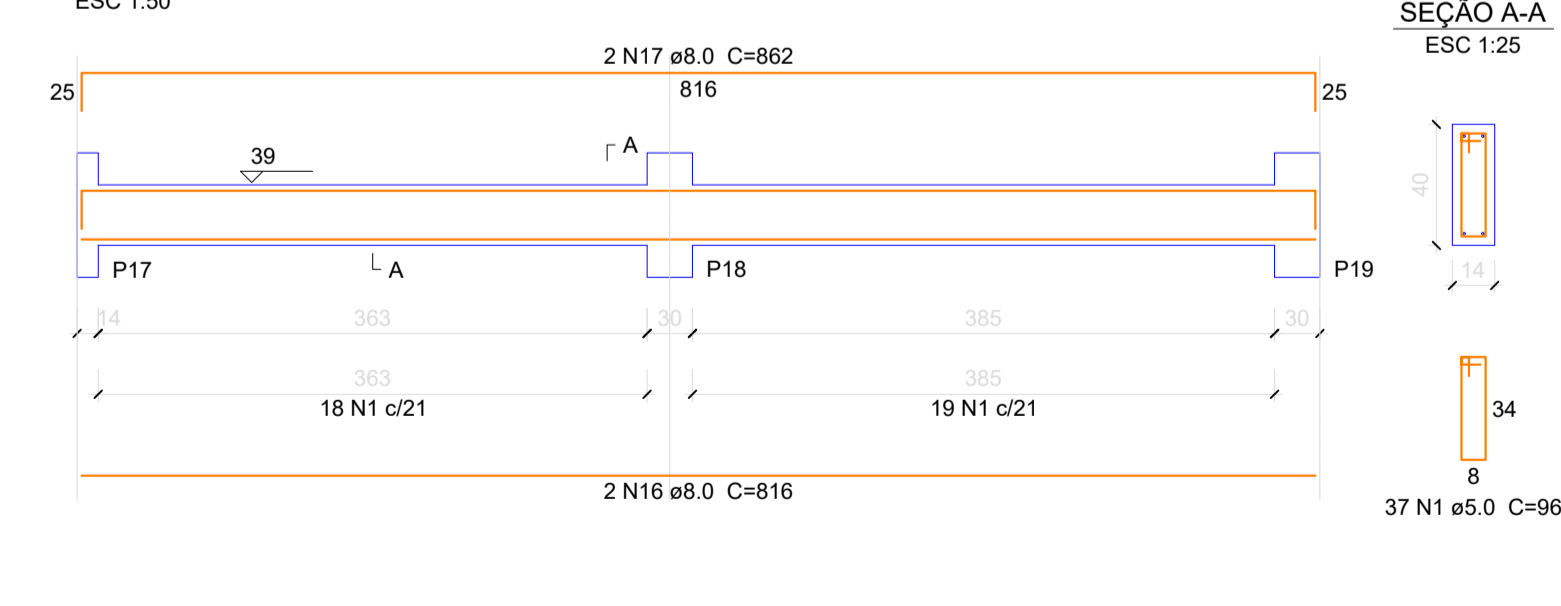
V7 ESC 1:50



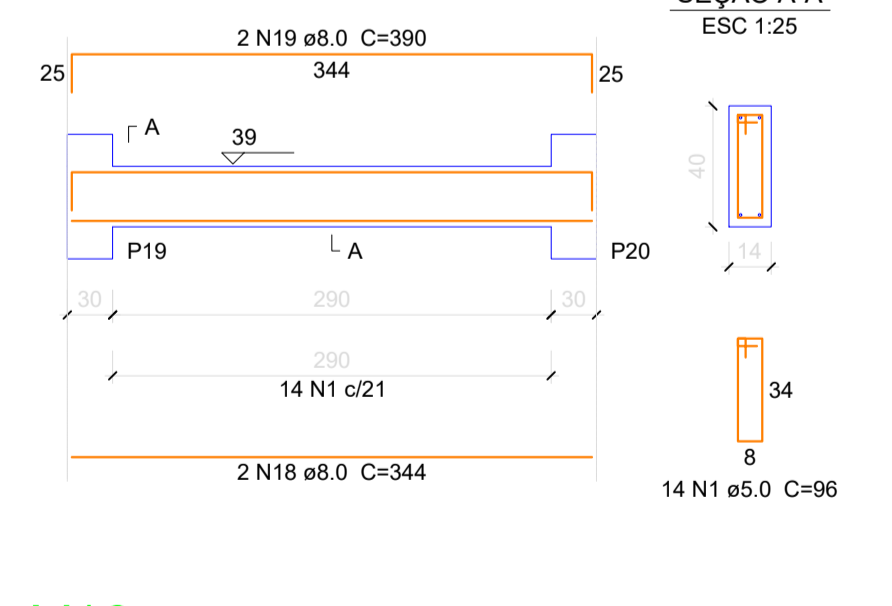
V8 ESC 1:50



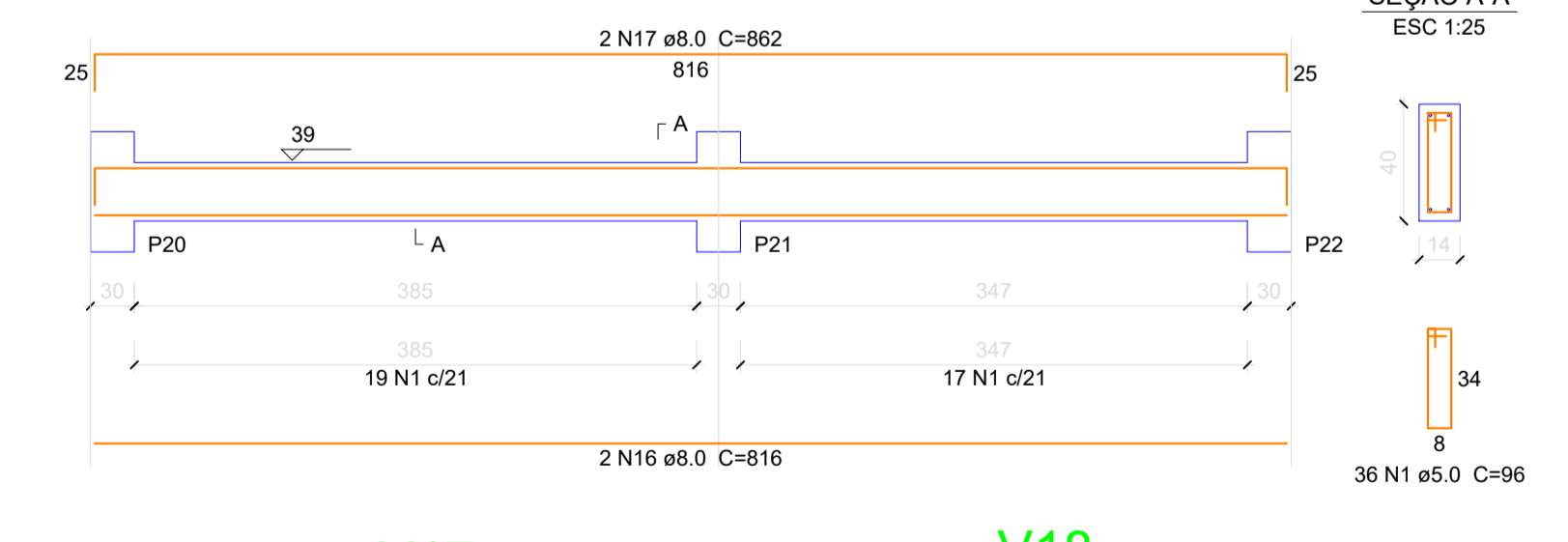
V10 ESC 1:50



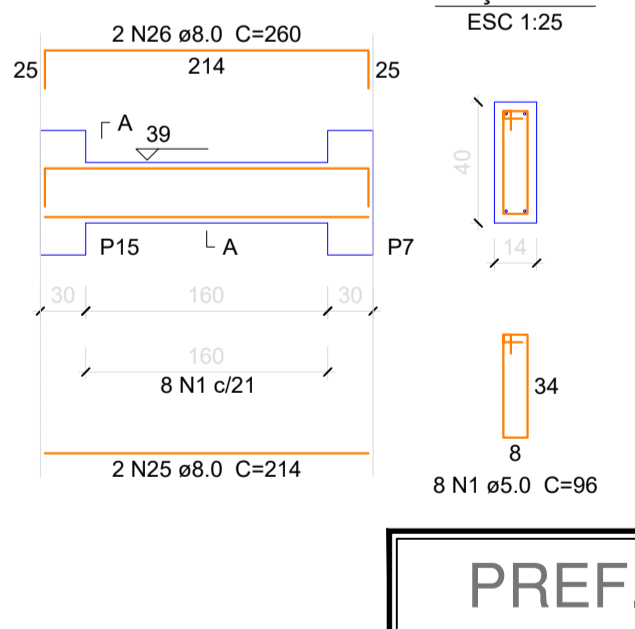
V11 ESC 1:50



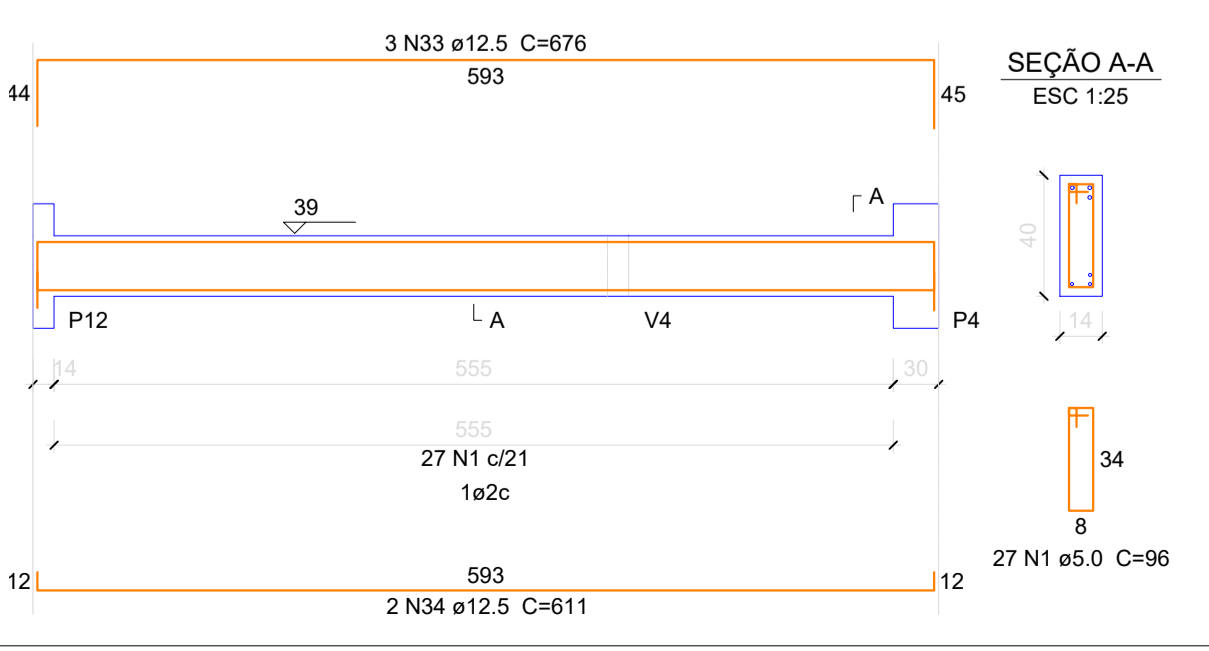
V12 ESC 1:50



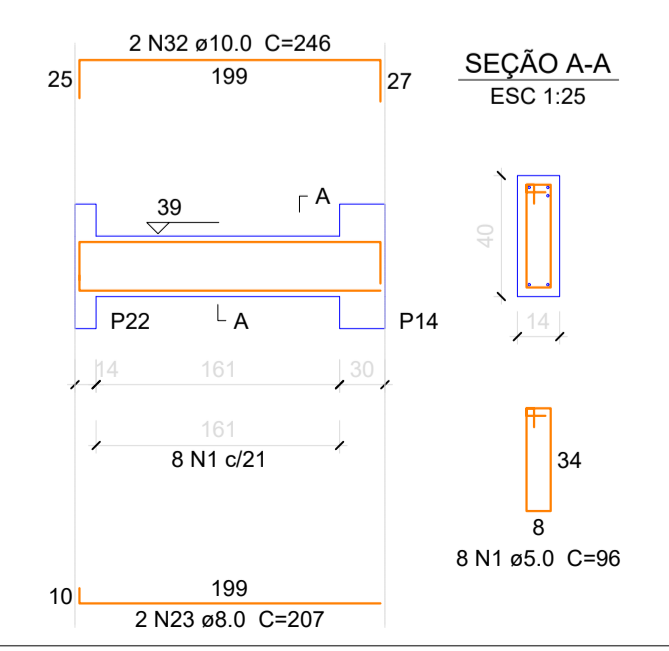
V19 ESC 1:50



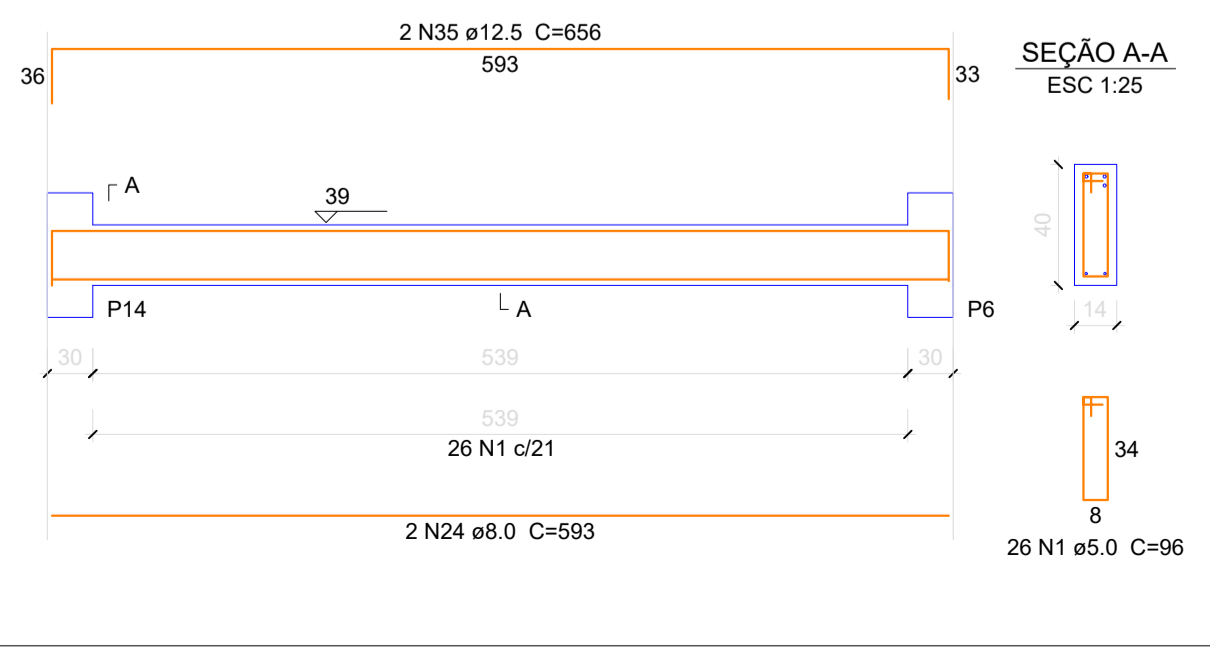
V16 ESC 1:50



V17 ESC 1:50



V18 ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	489	96	46944
CA50	2	8.0	8	808	6464
	3	8.0	6	857	5142
	4	8.0	5	328	1640
	5	8.0	2	376	752
	6	8.0	2	374	748
	7	8.0	4	615	2460
	8	8.0	6	171	1026
	9	8.0	3	331	993
	10	8.0	4	854	3416
	11	8.0	2	360	720
	12	8.0	2	599	1198
	13	8.0	2	182	364
	14	8.0	2	177	354
	15	8.0	2	306	612
	16	8.0	4	816	3264
	17	8.0	4	862	3448
	18	8.0	2	344	688
	19	8.0	2	390	780
	20	8.0	2	769	1538
	21	8.0	2	221	442
	22	8.0	2	268	536
	23	8.0	2	207	414
	24	8.0	2	593	1186
	25	8.0	4	214	856
	26	8.0	4	260	1040
	27	8.0	2	190	380
	28	8.0	2	237	474
	29	10.0	2	395	790
	30	10.0	3	823	2469
	31	10.0	3	612	1836
	32	10.0	2	246	492
	33	12.5	6	676	4056
	34	12.5	2	611	1222
	35	12.5	2	656	1312

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	BARRA + 10 %
CA50	8.0	409.4	38
	10.0	55.9	6
	12.5	65.9	6
CA60	5.0	469.5	43

Volume de concreto (C-25) = 6.23 m³
Área de forma = 104.5 m²

PREF. MUN. DE SÃO CRISTOVÃO DO SUL

TÍTULO: PROJETO AMPLIAÇÃO NÚCLEO EDUCACIONAL MEU POSTINHO

REFERÊNCIA: ESTRUCTURAL PLANTA FORMA BALDRAME E DET VIGAS BALDRAME

PROPRIETÁRIO: MUNICIPIO DE SÃO CRISTOVÃO DO SUL 95.991.261/0001-27

RESPONSÁVEL TÉCNICO: ENG. CIRO FONTANA SURDI

AMPLIAÇÃO E REFORMA: 225,61M²

ESCALA: INDICADA

REV 01: 03/01/2021

FRANCHA: ES/02