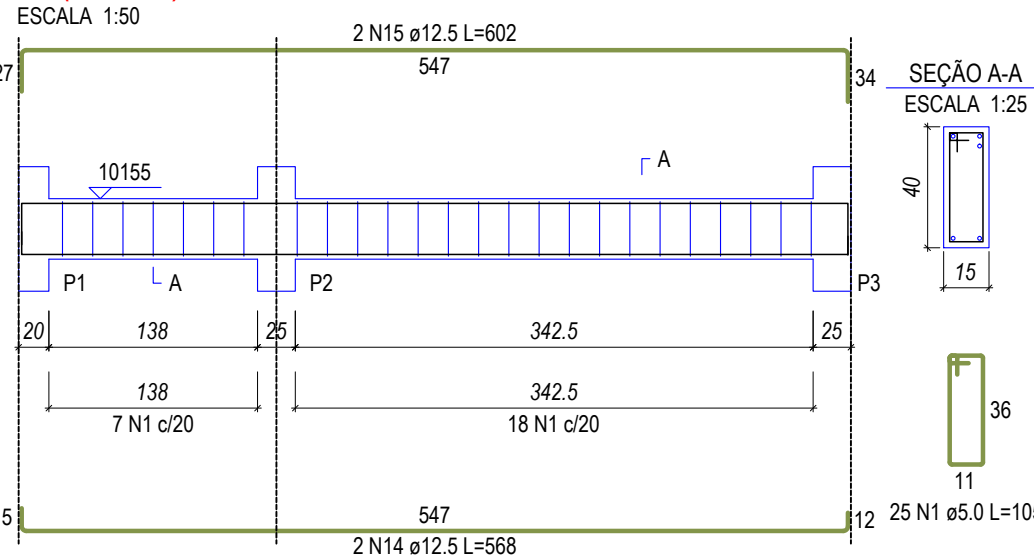
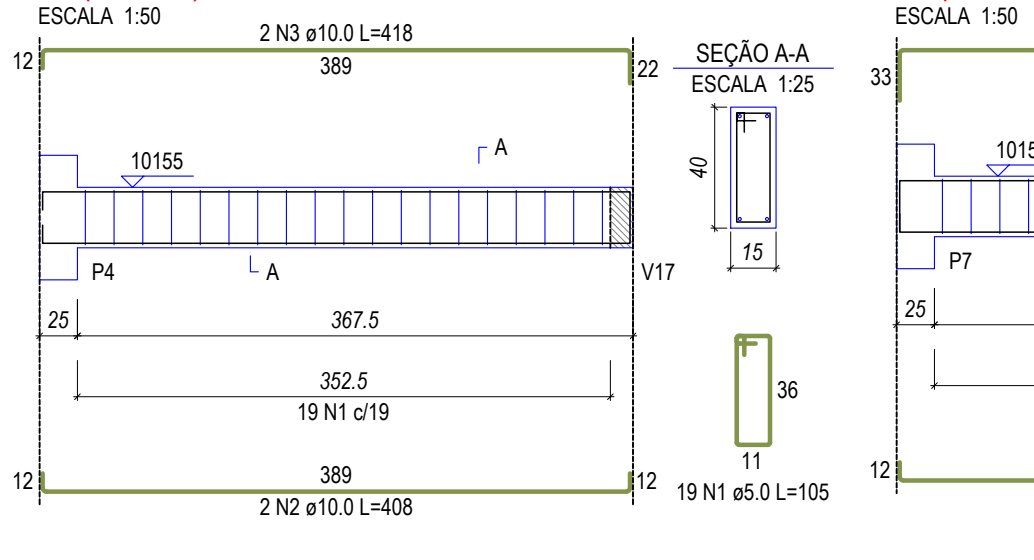


TÉRREO - DETALHAMENTO DAS VIGAS

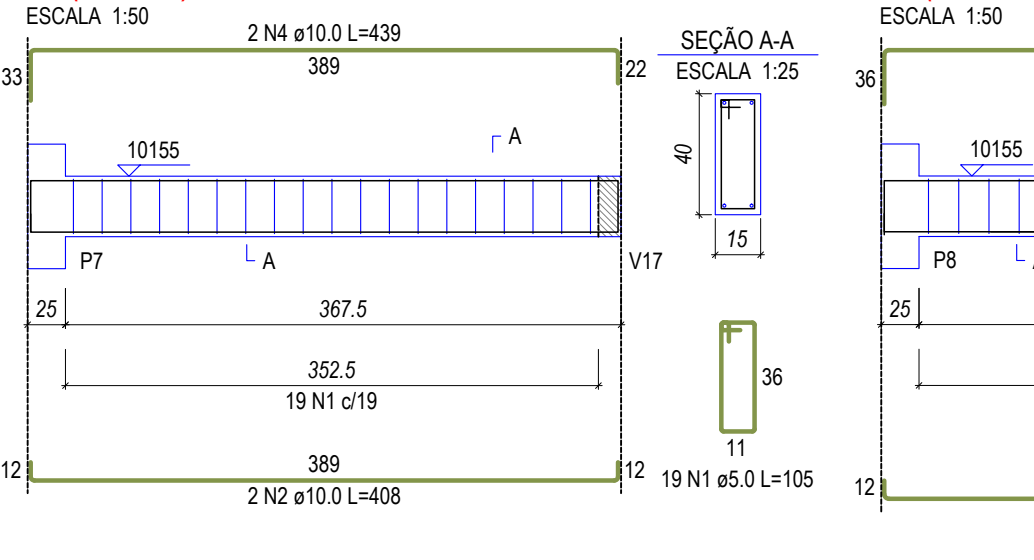
V1 (15 x 40)



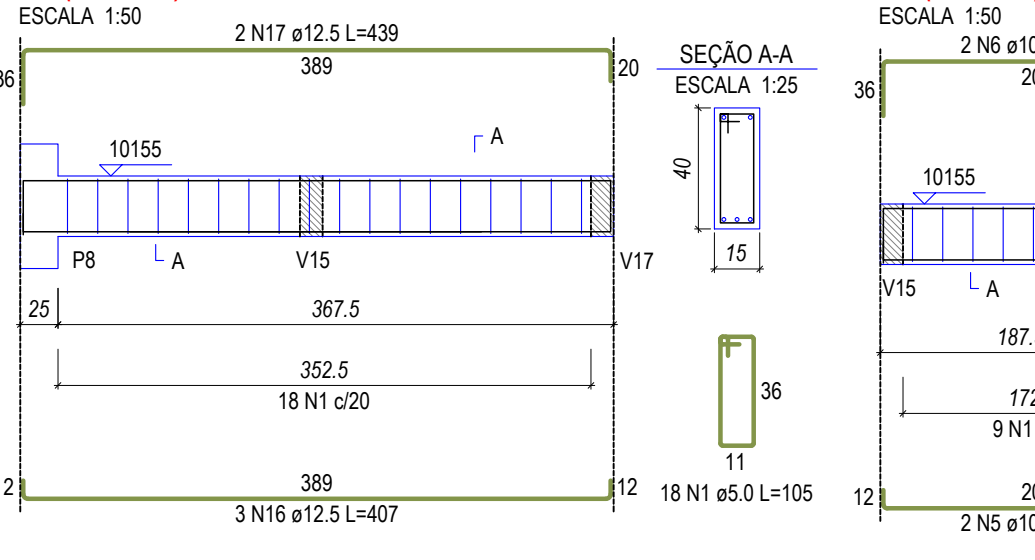
V2 (15 x 40)



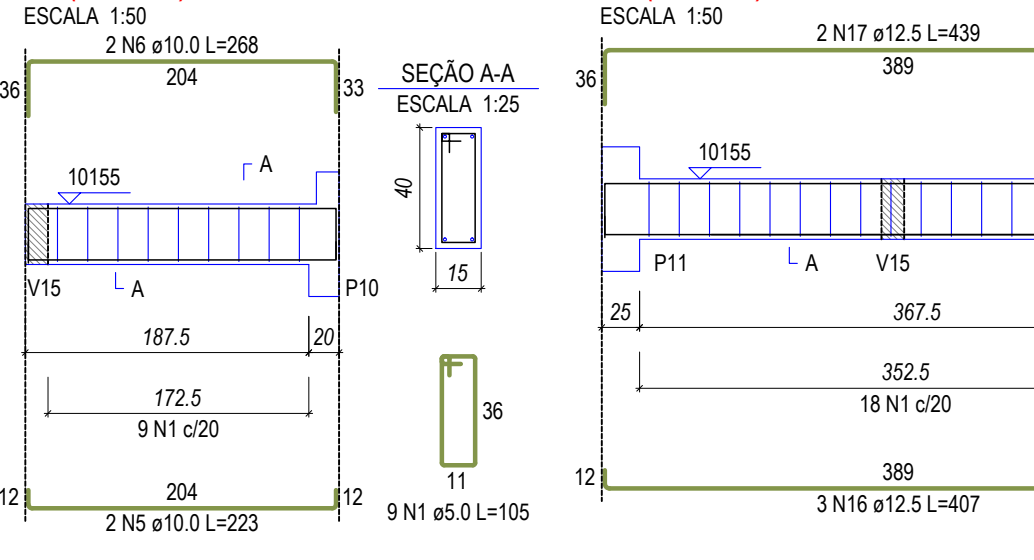
V3 (15 x 40)



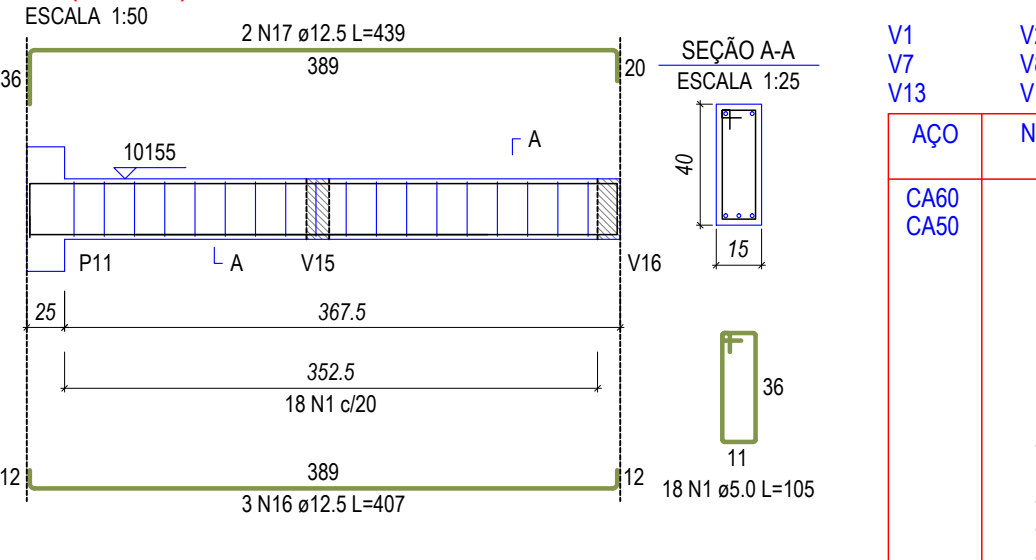
V4 (15 x 40)



V5 (15 x 40)



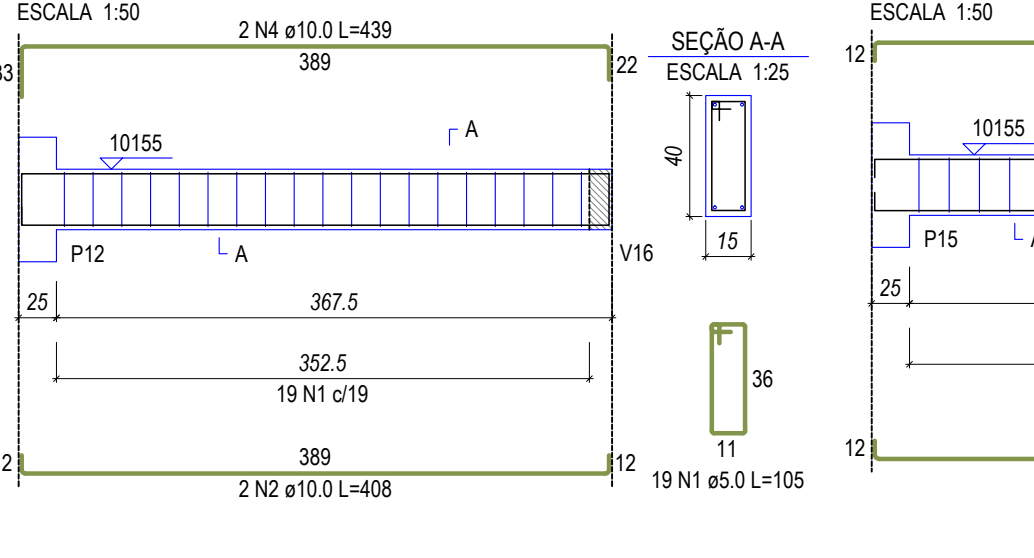
V6 (15 x 40)



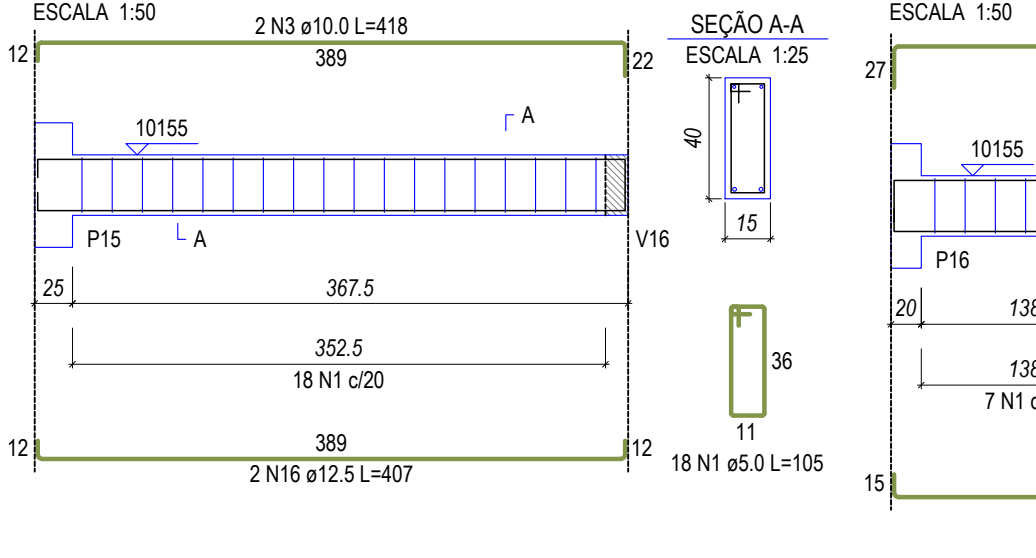
RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	605	105	63525
	2	10.0	6	408	2448
CA50	3	10.0	4	418	1672
	4	10.0	4	439	1756
	5	10.0	2	223	446
	6	10.0	2	268	536
	7	10.0	2	265	530
	8	10.0	4	1111	4444
	9	10.0	4	876	3504
	10	10.0	4	896	3584
	11	10.0	5	460	2300
	12	10.0	2	484	968
	13	10.0	2	494	988
	14	12.5	4	568	2272
	15	12.5	4	602	2408
	16	12.5	8	407	3256
	17	12.5	4	439	1756
	18	12.5	4	1093	4372
	19	12.5	6	1095	6570
	20	12.5	2	350	700
	21	12.5	4	1121	4484

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)
CA50	10.0	231.8	20
CA60	12.5	258.2	22
CA60	5.0	635.3	53
PESO TOTAL (kg)		Volume de concreto (C-30) = 6.36 m³	
CA50	391.6	Área de forma = 100.65 m²	
CA60	97.8		

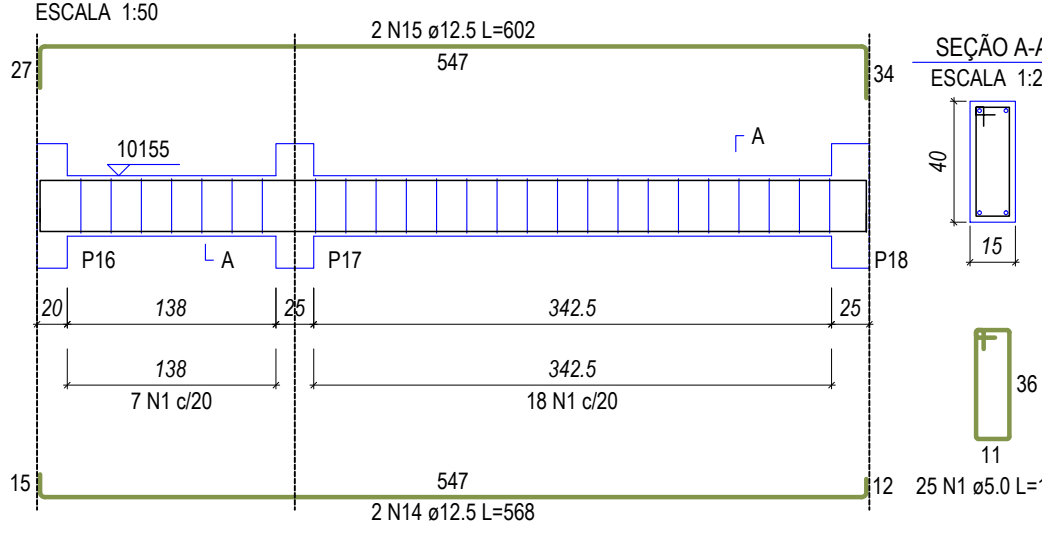
V7 (15 x 40)



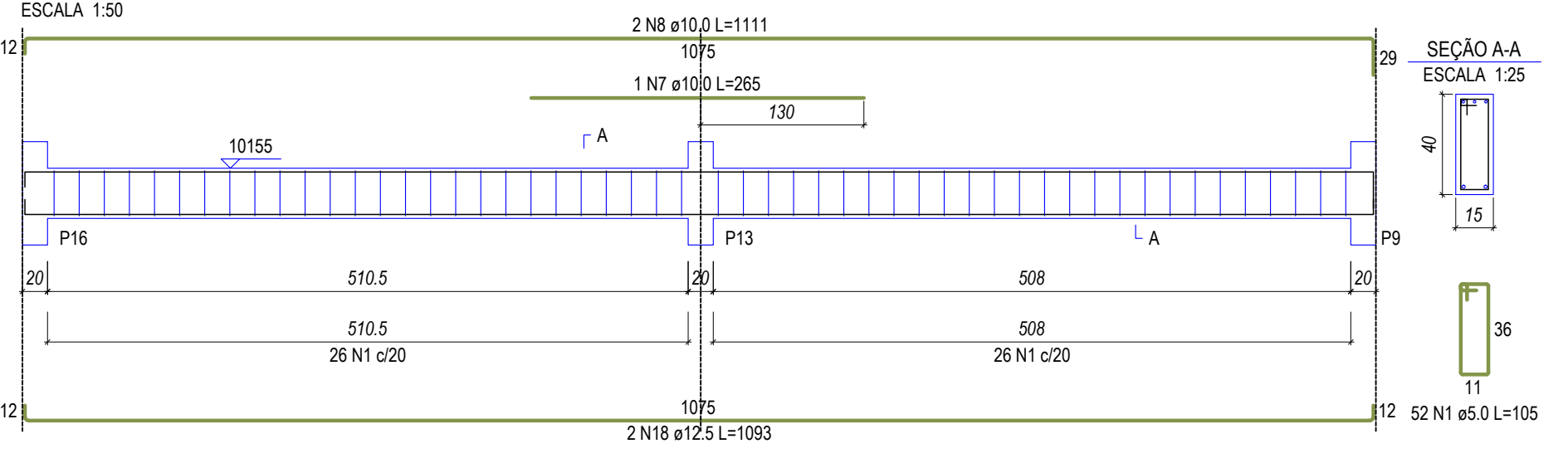
V8 (15 x 40)



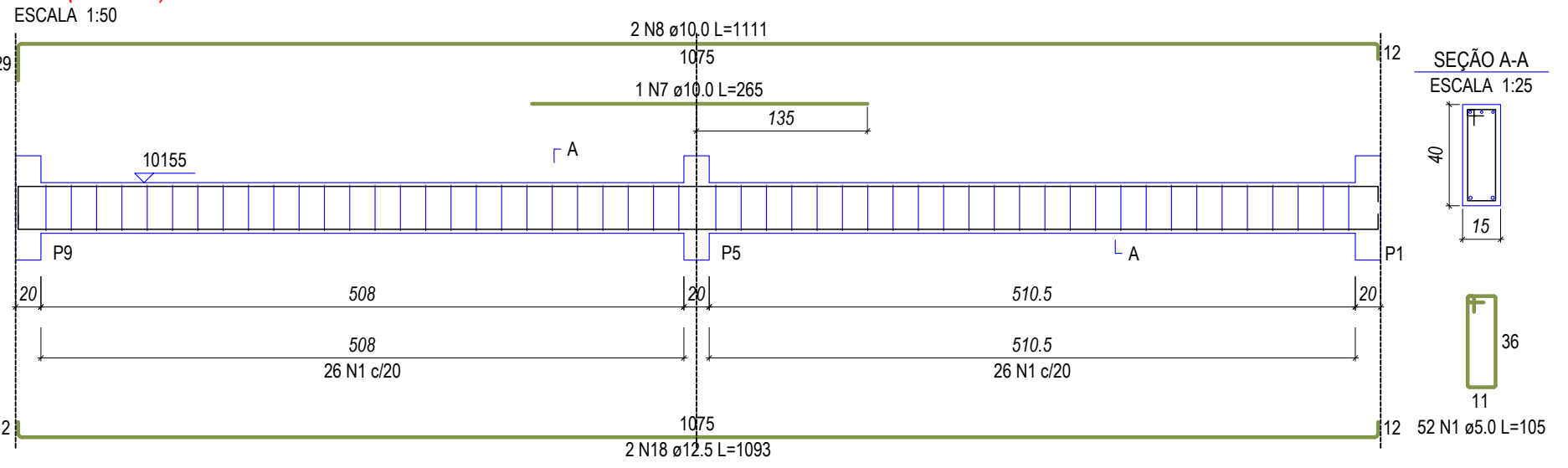
V9 (15 x 40)



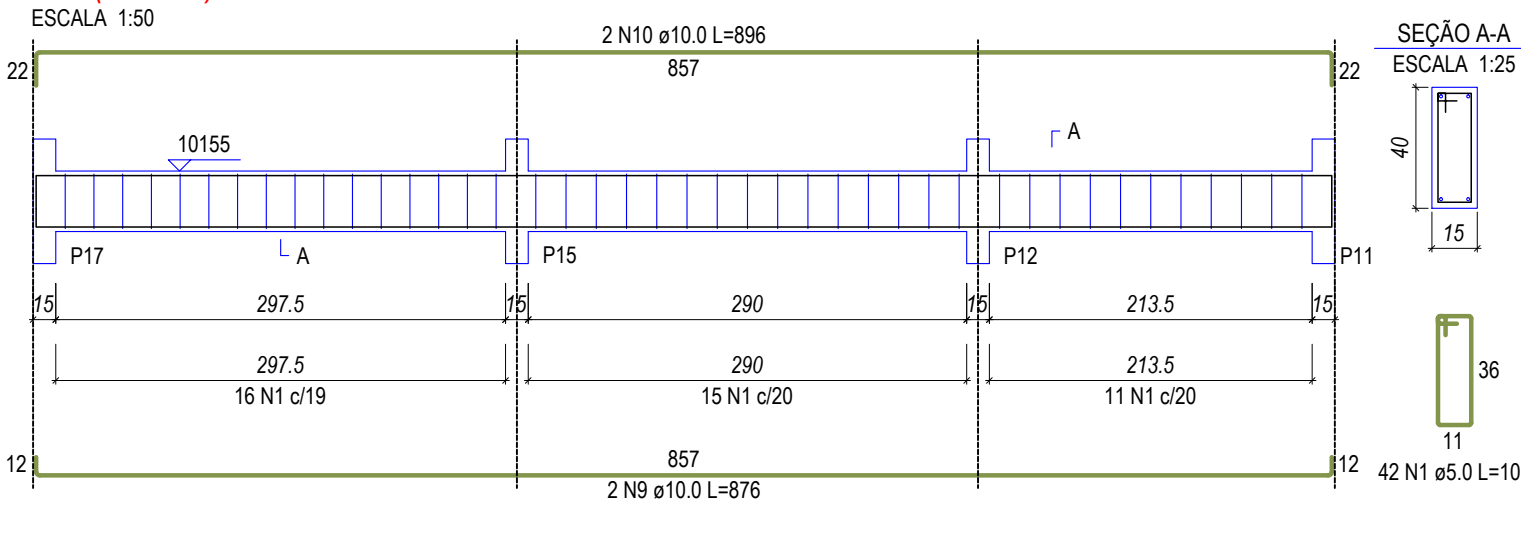
V10 (15 x 40)



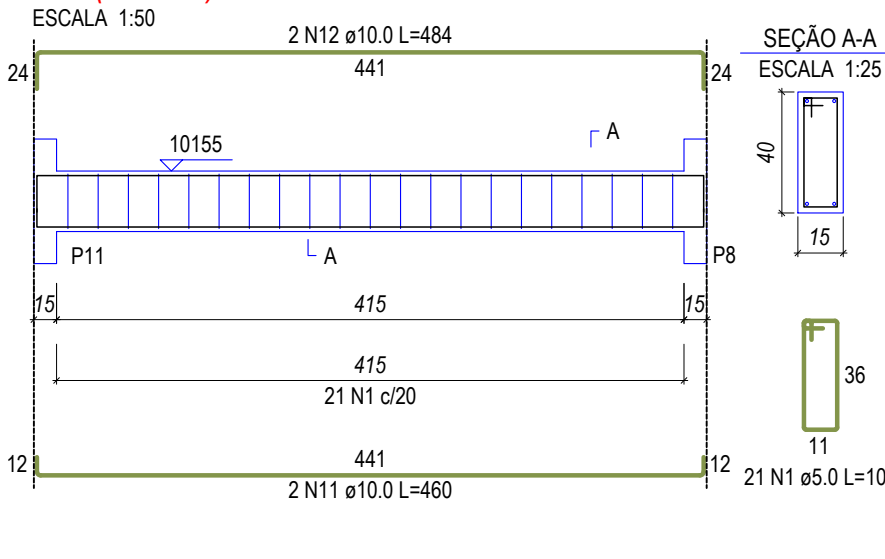
V11 (15 x 40)



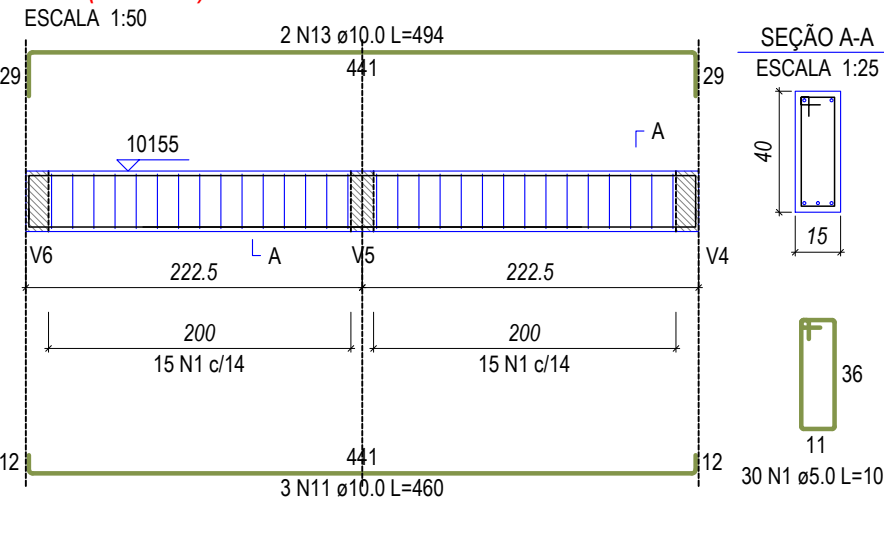
V12 (15 x 40)



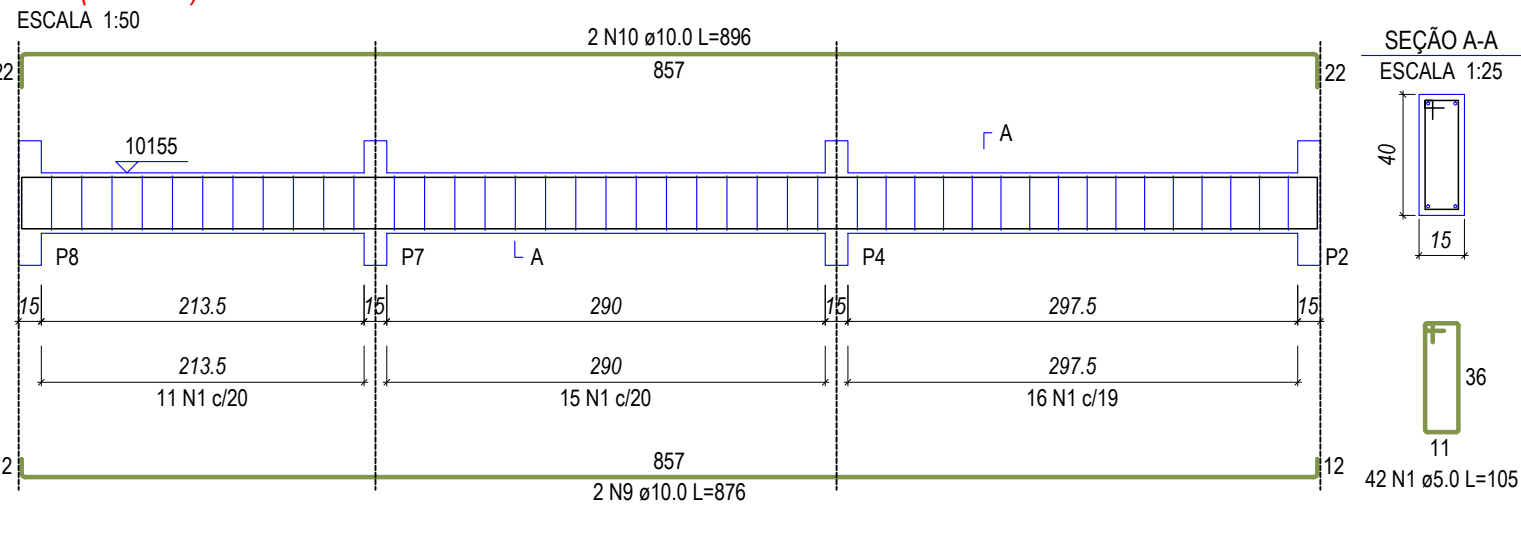
V13 (15 x 40)



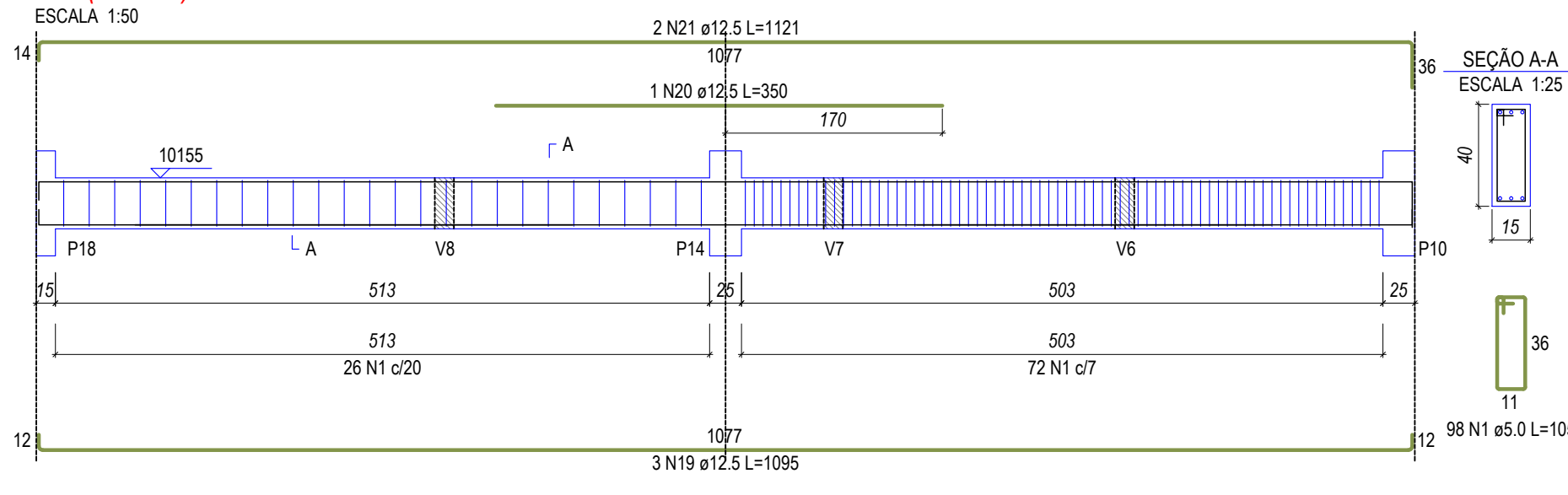
V15 (15 x 40)



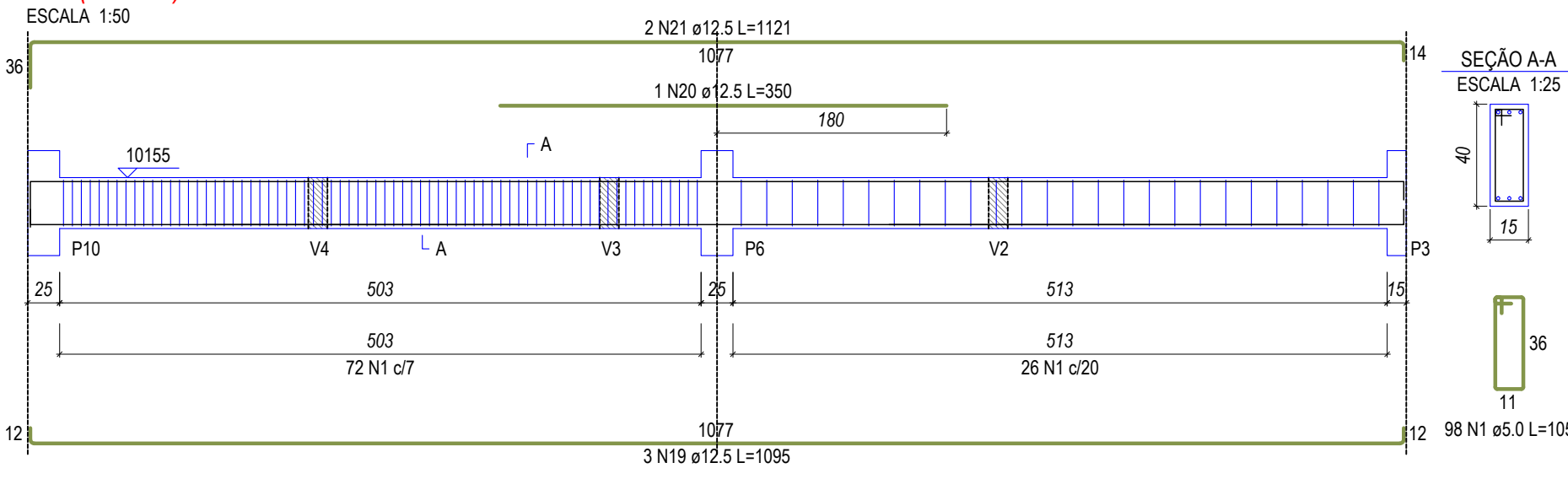
V14 (15 x 40)



V16 (15 x 40)



V17 (15 x 40)



SECRETARIA DE MUNICÍPIO DE ELABORAÇÃO DE PROJETOS E CAPTAÇÃO DE RECURSOS

SECAPSEP

SUPERINTENDÊNCIA DE ELABORAÇÃO DE PROJETOS

PREFEITO MUNICIPAL: JORGE CLADISTONE POZZOBOM

SECRETÁRIO: JOSÉ ANTÔNIO DE AZEVEDO GOMES

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PROJETO ESTRUTURAL - VESTIÁRIO

DETALHAMENTO DAS VIGAS DO PAVIMENTO TÉRREO

PROPRIETÁRIA / SECRETARIA GESTORA

PROJETISTA / RESPONSÁVEL TÉCNICO

PREFEITURA MUNICIPAL DE SANTA MARIA

Eng. Civil Regis C. Moraes
CREA/RS 93.278

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