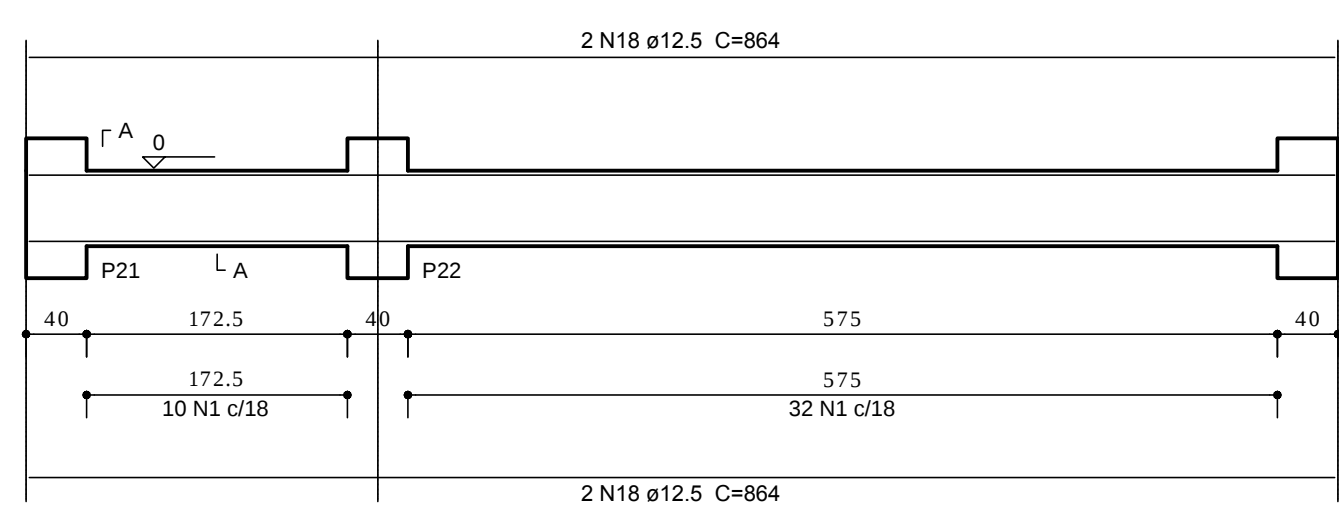
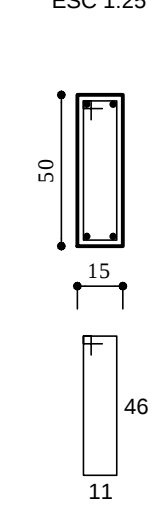


Obs: Direitos autorais conforme Lei nº 9.610 de 19.02.1998.
Criado por: **PAR PROJETO DE ENGENHARIA E ARQUITETURA LTDA** / CLICPROJETO
CNPJ: 16.692.572/0001-47 Registro em: SC - 14.083.1

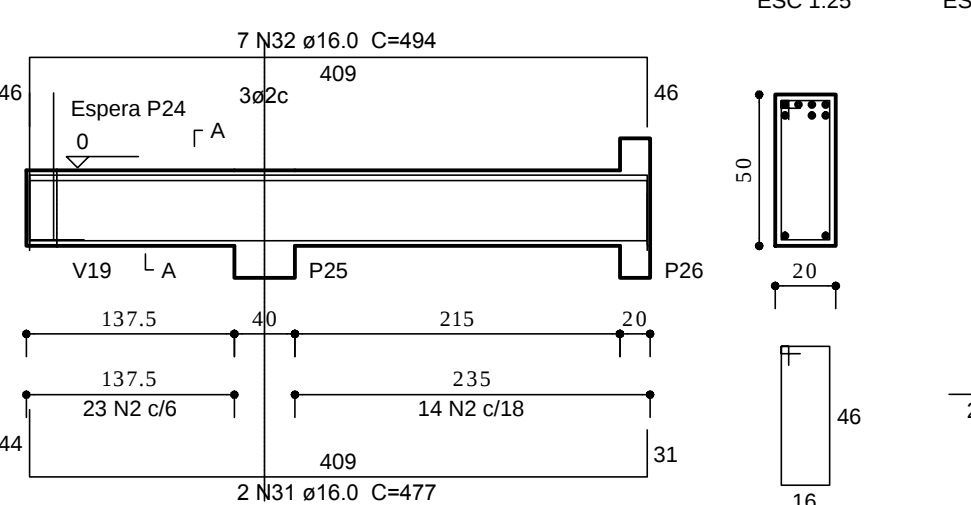
V12
ESC 1:50



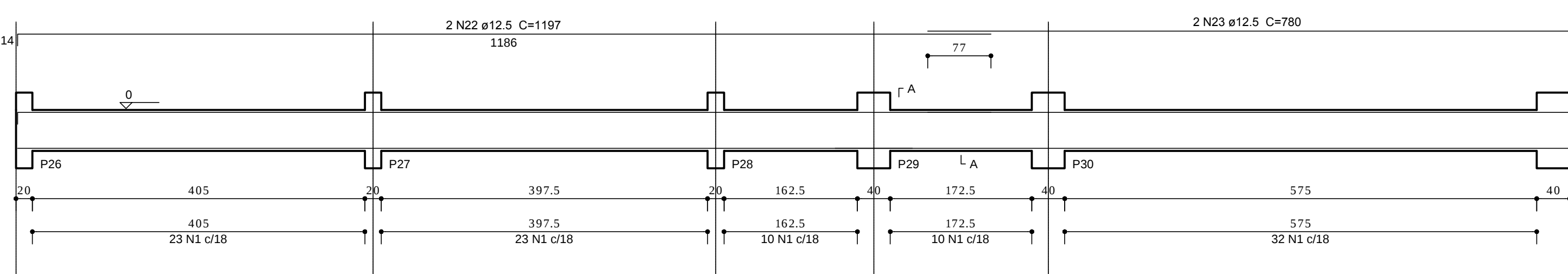
SEÇÃO A-A
ESC 1:25



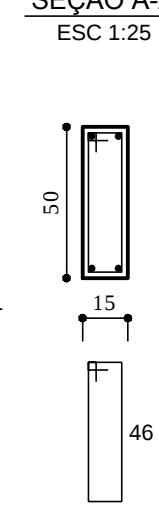
V13
ESC 1:50



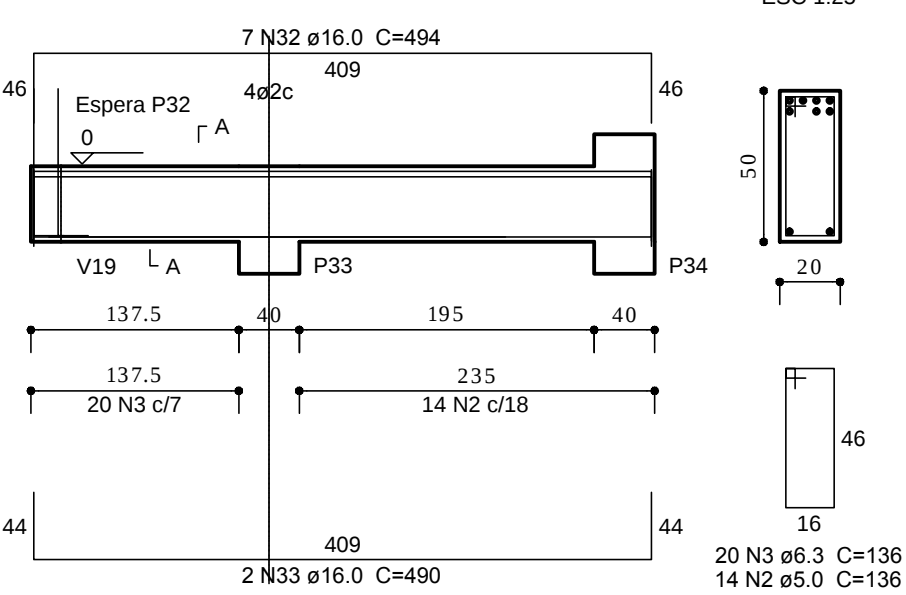
V14
ESC 1:50



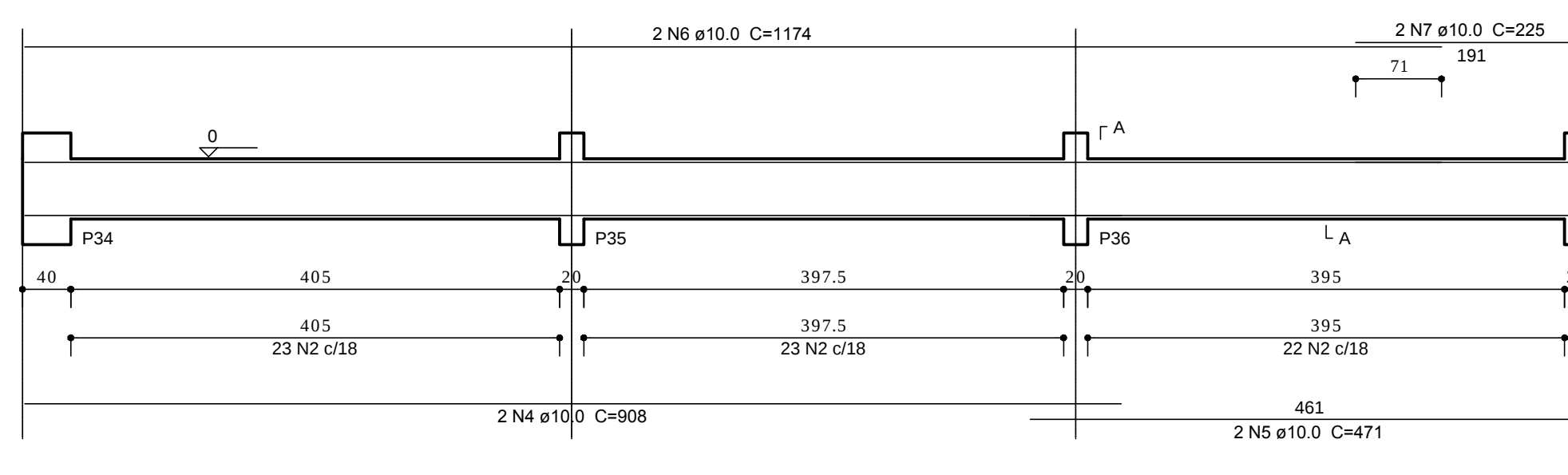
SEÇÃO A-A
ESC 1:25



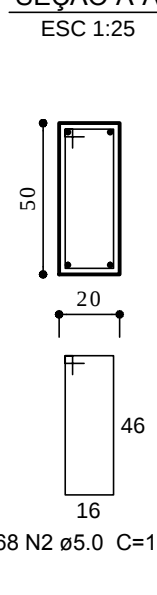
V15
ESC 1:50



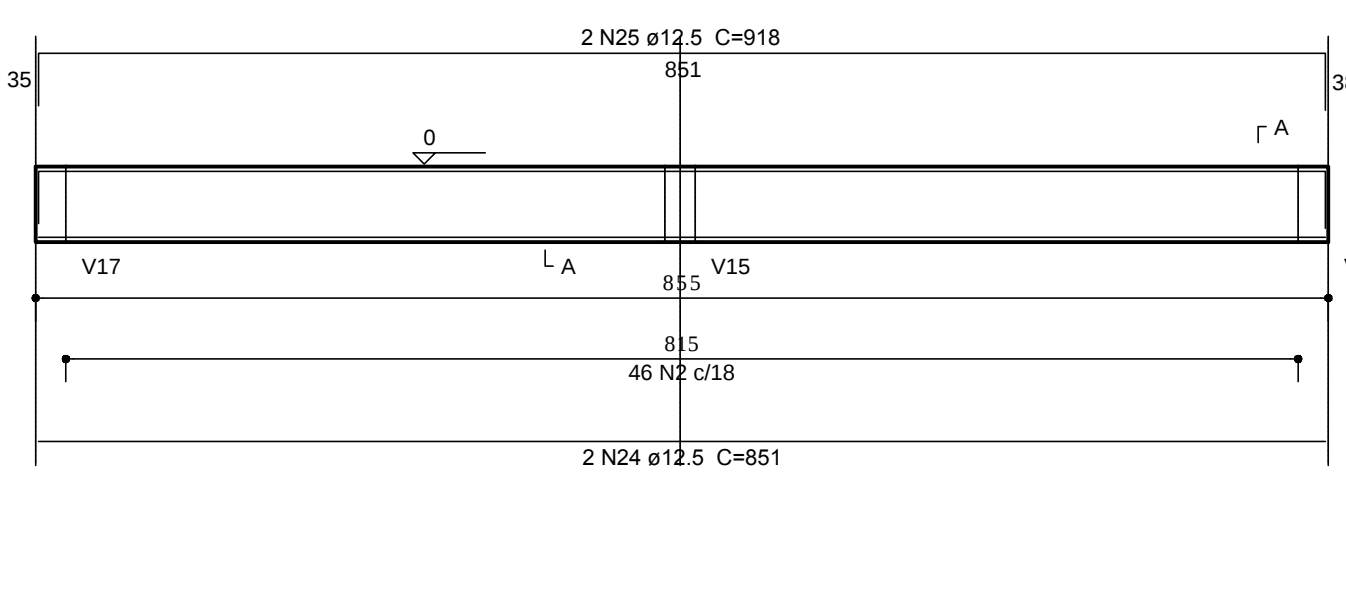
V16
ESC 1:50



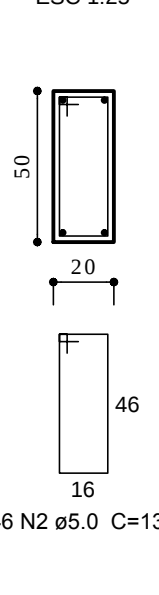
SEÇÃO A-A
ESC 1:25



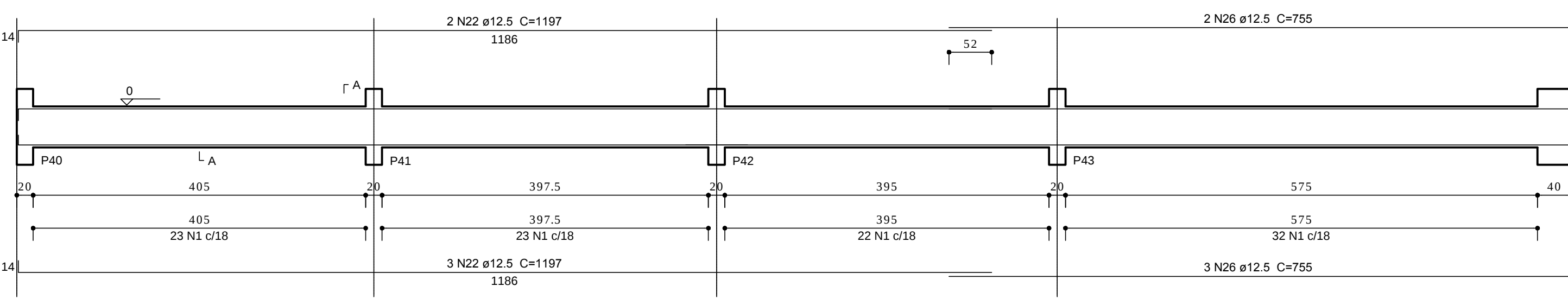
V19
ESC 1:50



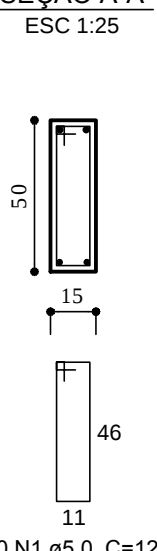
SEÇÃO A-A
ESC 1:25



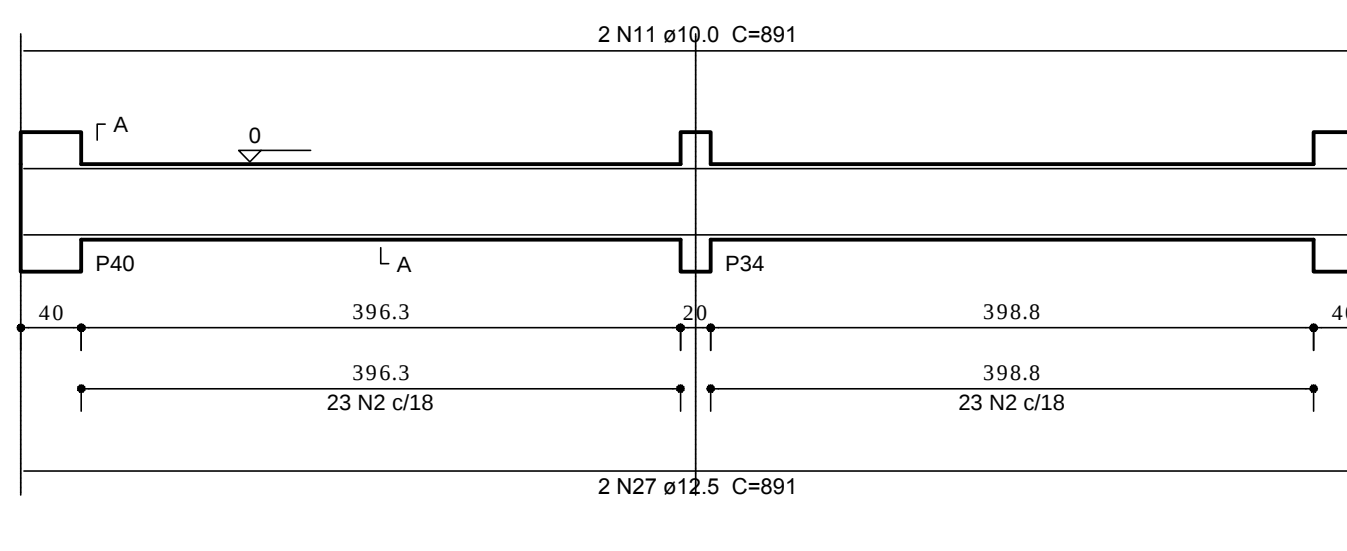
V18
ESC 1:50



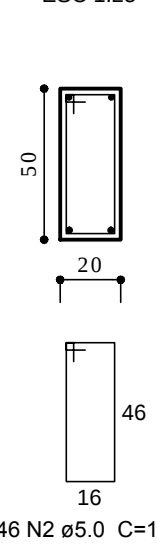
SEÇÃO A-A
ESC 1:25



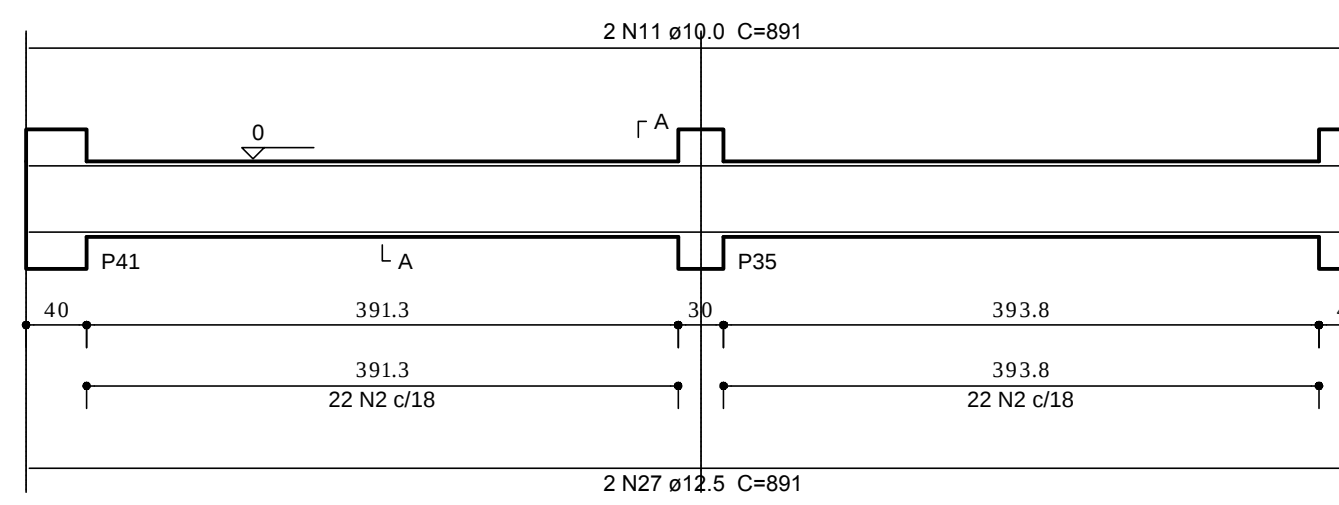
V20
ESC 1:50



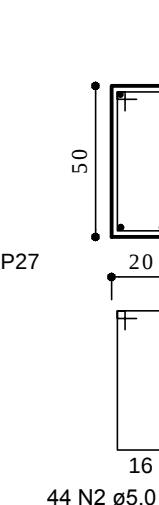
SEÇÃO A-A
ESC 1:25



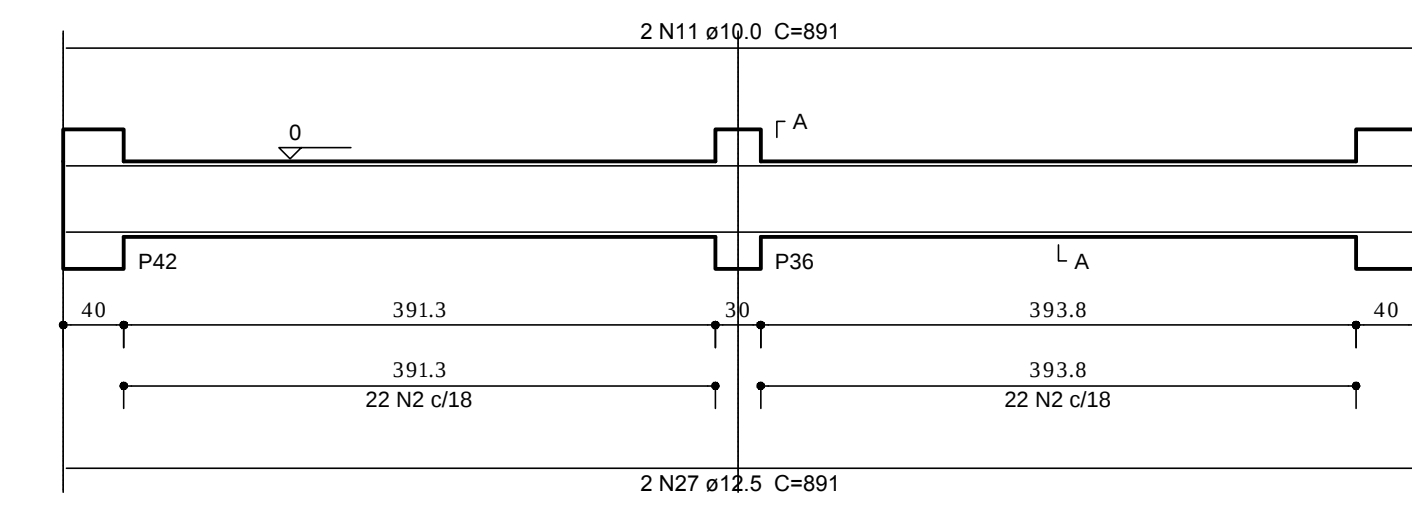
V21
ESC 1:50



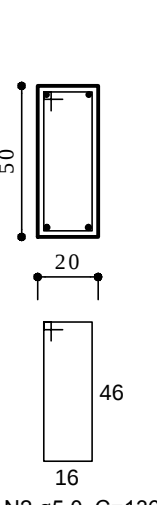
SEÇÃO A-A
ESC 1:25



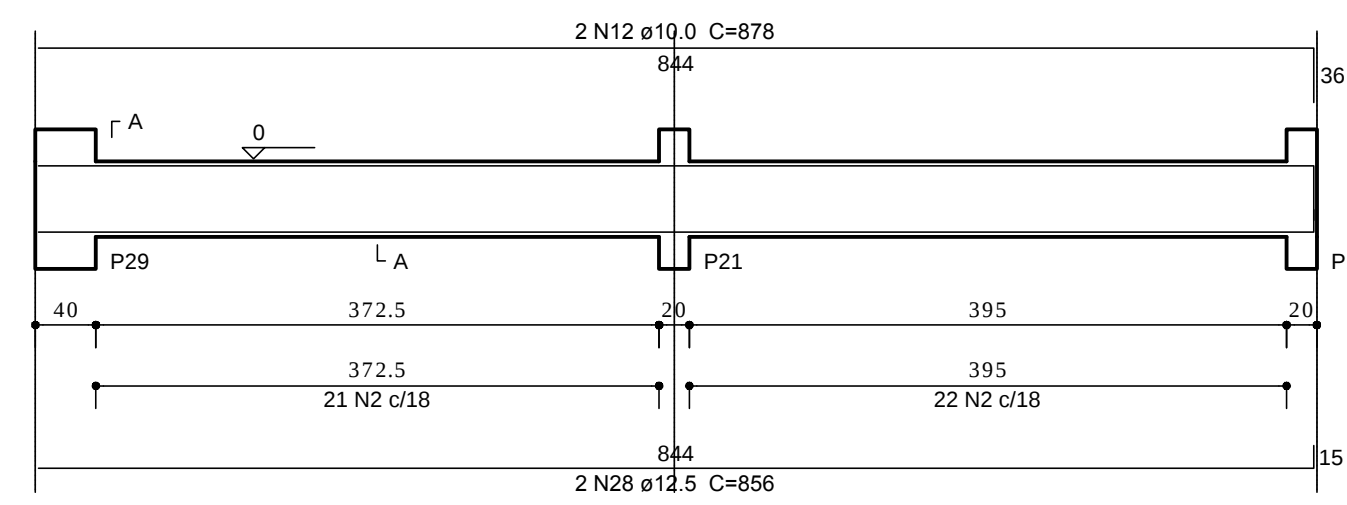
V22
ESC 1:50



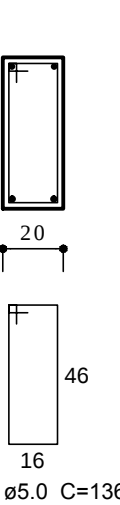
SEÇÃO A-A
ESC 1:25



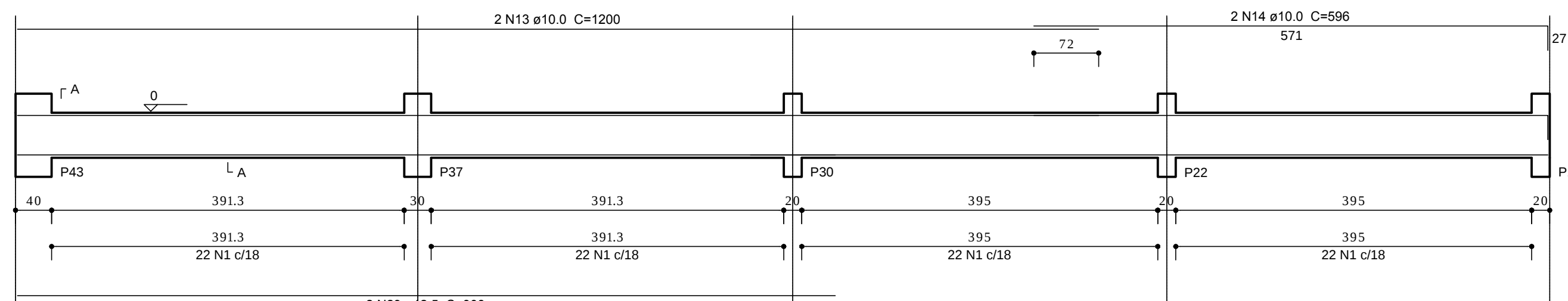
V23
ESC 1:50



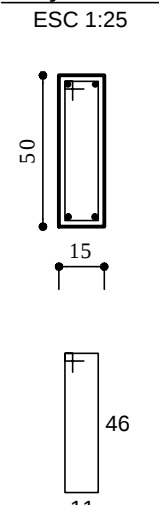
SEÇÃO A-A
ESC 1:25



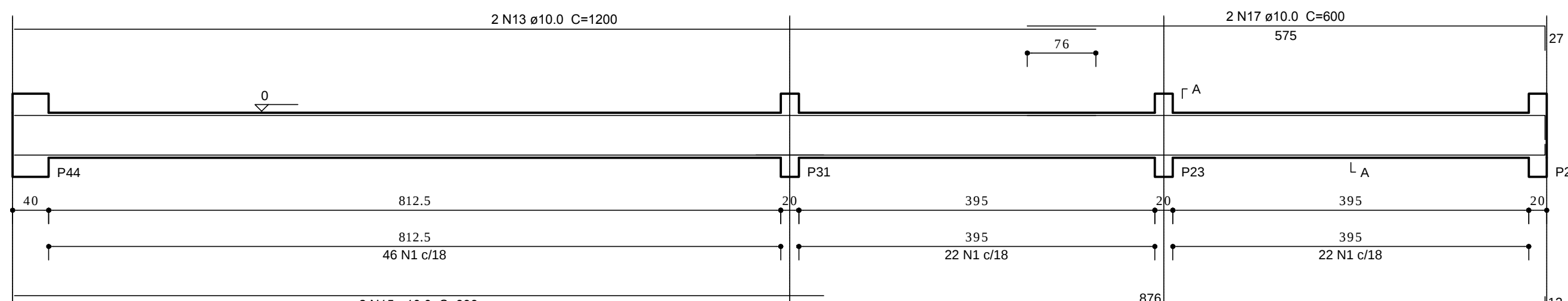
V24
ESC 1:50



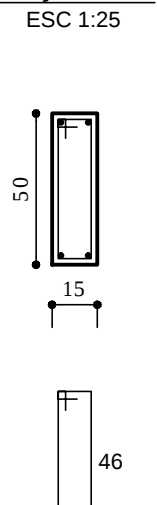
SEÇÃO A-A
ESC 1:25



V25
ESC 1:50



SEÇÃO A-A
ESC 1:25



Relação do aço

V12	V13	V14	V15	V16	V17	V18	V19	V20	V21
V22	V23	V24	V25						
AÇO	N	DIAM	Q	UNIT	C.TOTAL				
				(cm)	(cm)				
CA60	1	5.0	418	126	52668				
	2	5.0	379	136	51544				
	3	6.3	20	136	2720				
	4	10.0	2	908	1815				
	5	10.0	2	471	942				
	6	10.0	2	1174	2348				
	7	10.0	2	225	450				
	8	10.0	20	106	2120				
	11	10.0	6	891	5346				
	12	10.0	2	678	1756				
	13	10.0	4	1200	4800				
	14	10.0	2	596	1192				
	15	10.0	2	886	1796				
	16	10.0	2	686	1772				
	17	10.0	2	600	1200				
	18	12.5	4	864	3456				
	19	12.5	30	114	3420				
	20	12.5	2	1090	2180				
	21	12.5	2	893	1786				
	22	12.5	7	1197	8379				
	23	12.5	2	780	1560				
	24	12.5	2	851	1702				
	25	12.5	2	918	1836				
	26	12.5	5	755	3775				
	27	12.5	6	891	5346				
	28	12.5	2	856	1712				
	29	12.5	2	906	1812				
	30	12.5	2	885	1770				
	31	16.0	2	477	954				
	32	16.0	21	494	10374				
	33	16.0	2	490	980				
	34	16.0	2	475	950				

Resumo do aço

AÇO	DIAM	C.TOTAL	BARRAS + 10 %
		(m)	(unad)
CA50	6.3	27.2	3
	10.0	255.4	24
	12.5	387.5	36
	16.0	132.6	13
CA60	5.0	1042.2	95

Vol. de concreto total (C-25) = 12.97 m³

Área de forma total = 175.73 m²

APROVAÇÃO/PREFEITURA

Responsável Técnico



**AMPLIAÇÃO ESCOLA MUNICIPAL
PROFº NESTOR MARGARIDA**

Rua Tupiniquim - nº 35 - Araçonguihas - Timbó - SC

Rua Pastor Blümel, 30 - Sala 101 -
Edifício Paris - Centro - Timbó - SC

Cep: 89120-000

Fone / Fax: (47) 3382 6464

e-mail: clicprojeto@gmail.com

Prefeitura Municipal de Timbó

Data: Abril/2017.

Volume de concreto armado: 166,26m³

Especificação

VIGAS BALDRAME

Prancha

02/10

www.clicprojeto.com