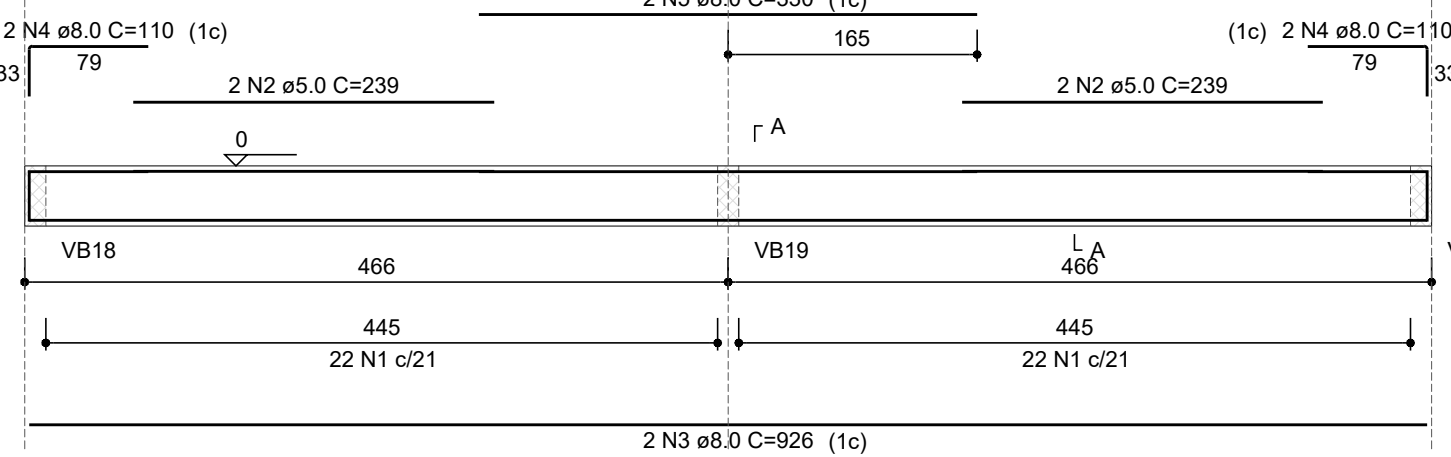
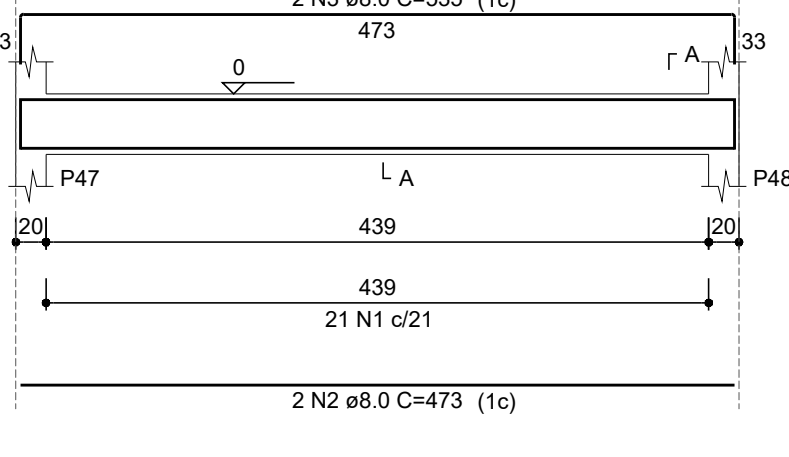


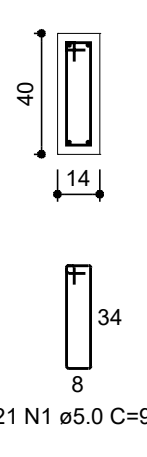
VB4
ESC 1:50



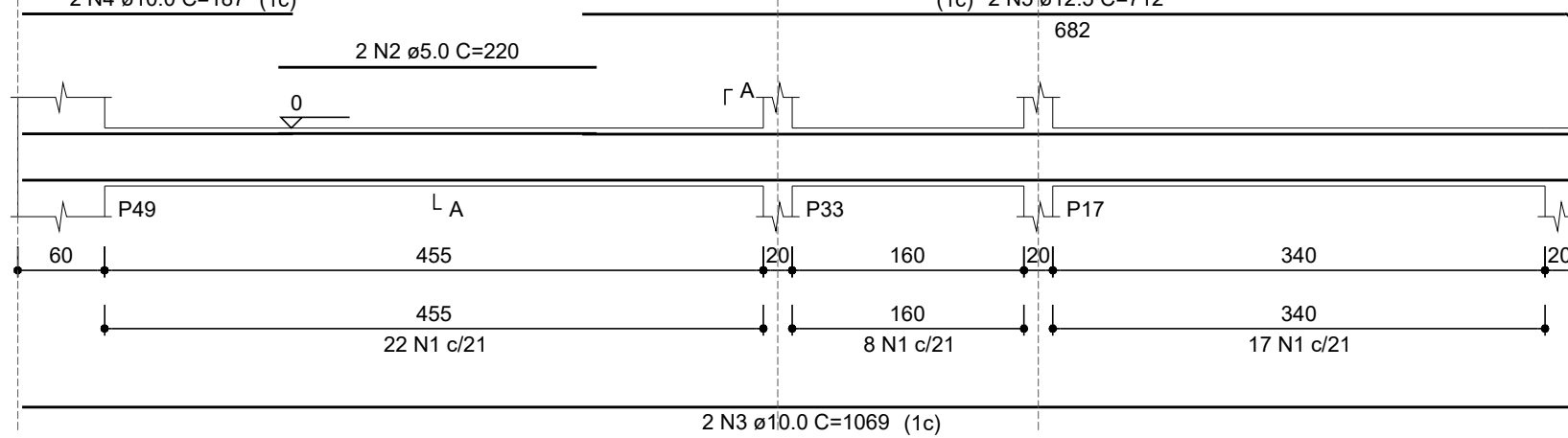
VB5
ESC 1:50



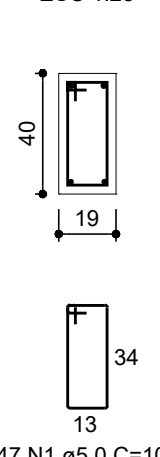
SEÇÃO A-A
ESC 1:25



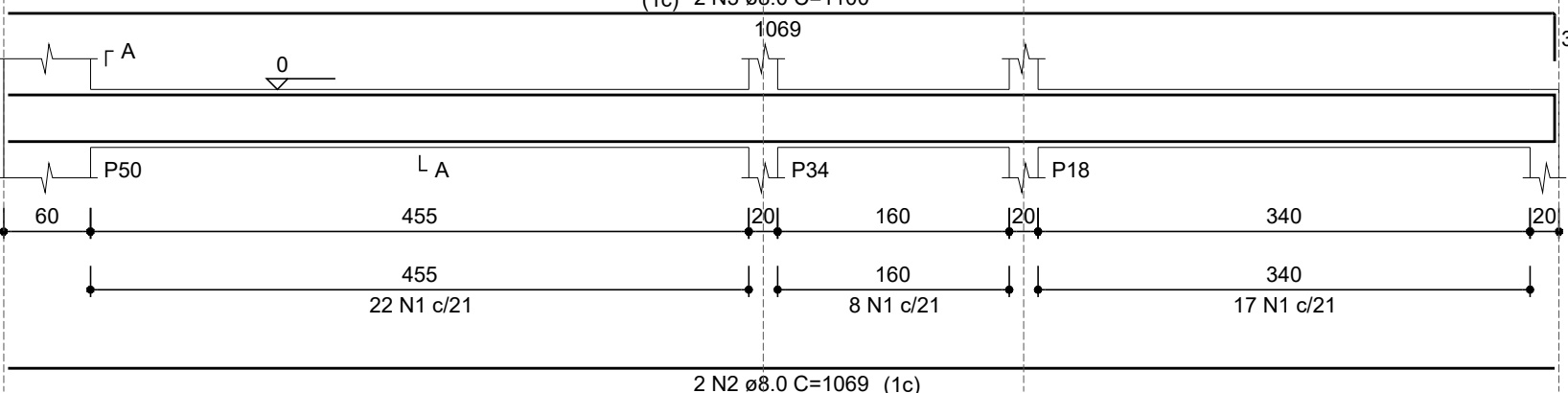
VB7
ESC 1:50



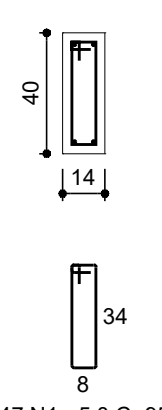
SEÇÃO A-A
ESC 1:25



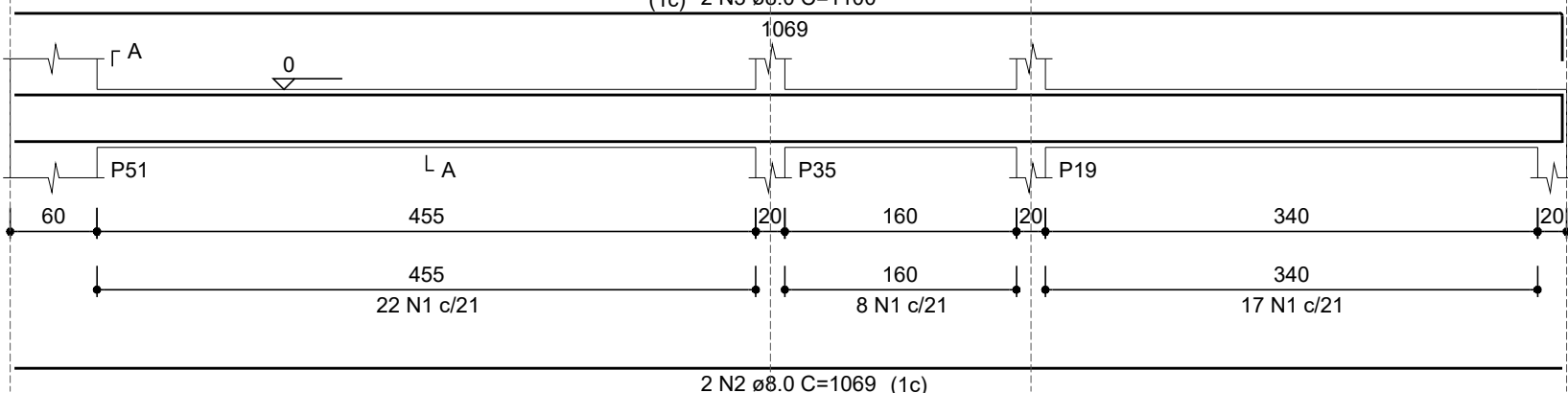
VB8
ESC 1:50



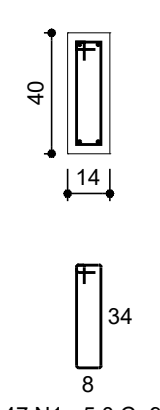
SEÇÃO A-A
ESC 1:25



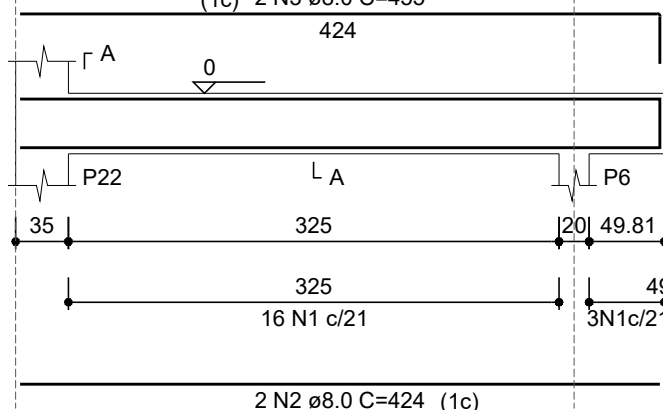
VB9
ESC 1:50



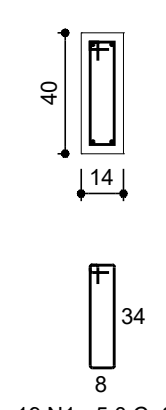
SEÇÃO A-A
ESC 1:25



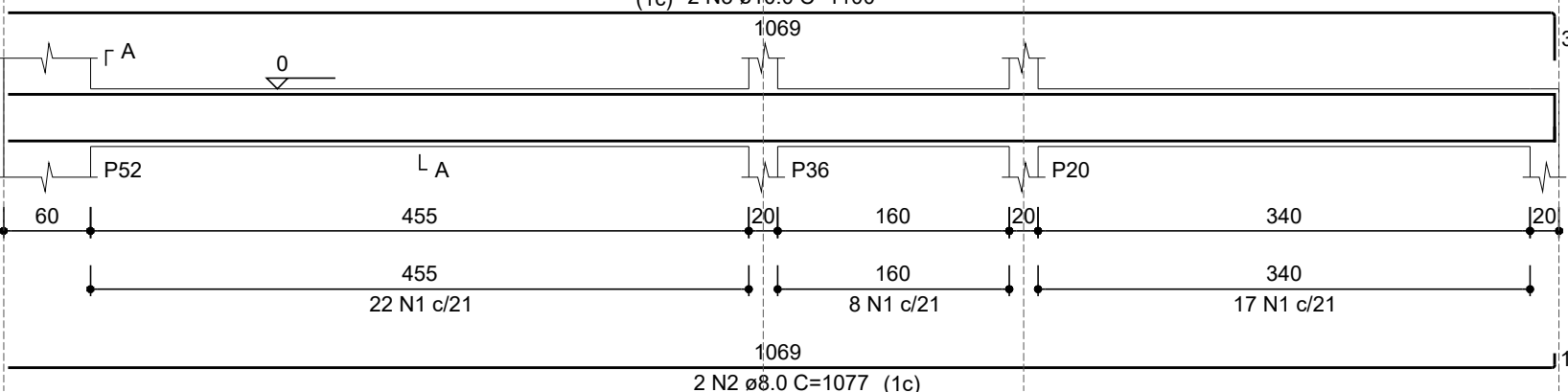
VB12
ESC 1:50



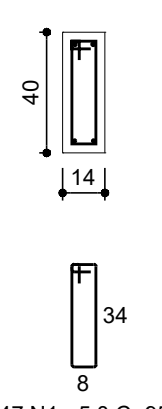
SEÇÃO A-A
ESC 1:25



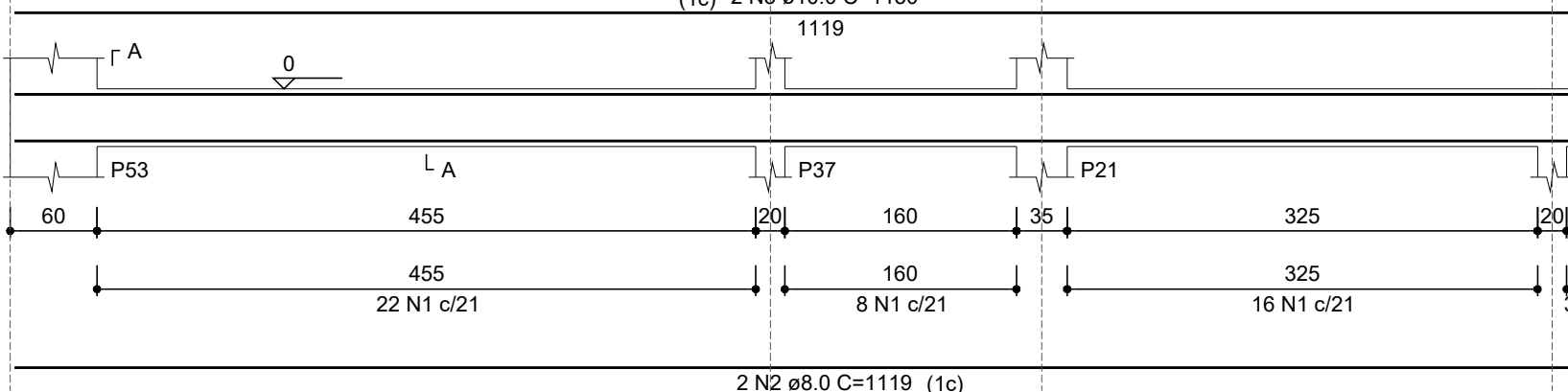
VB10
ESC 1:50



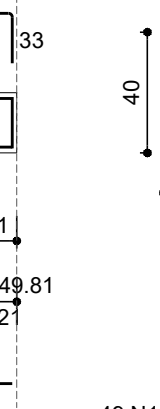
SEÇÃO A-A
ESC 1:25



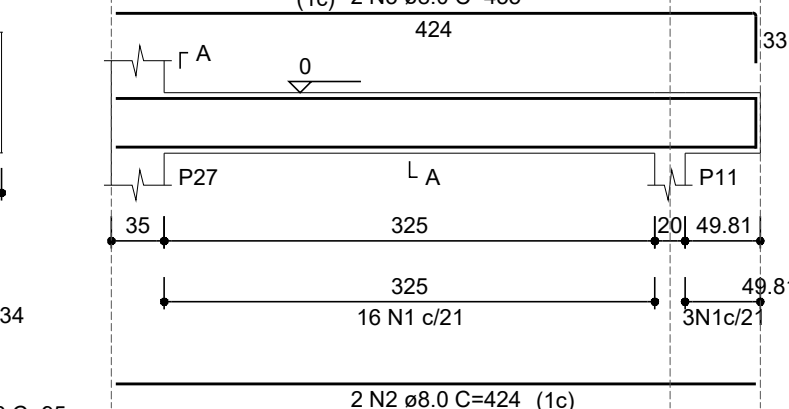
VB11
ESC 1:50



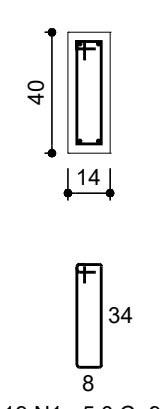
SEÇÃO A-A
ESC 1:25



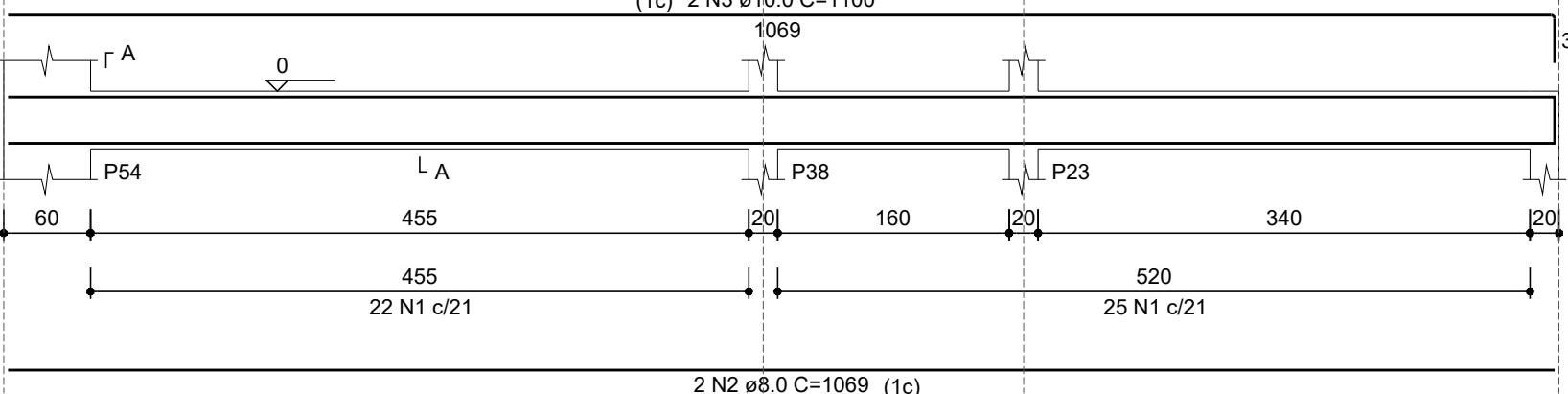
VB17
ESC 1:50



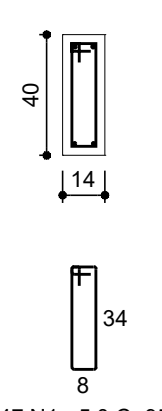
SEÇÃO A-A
ESC 1:25



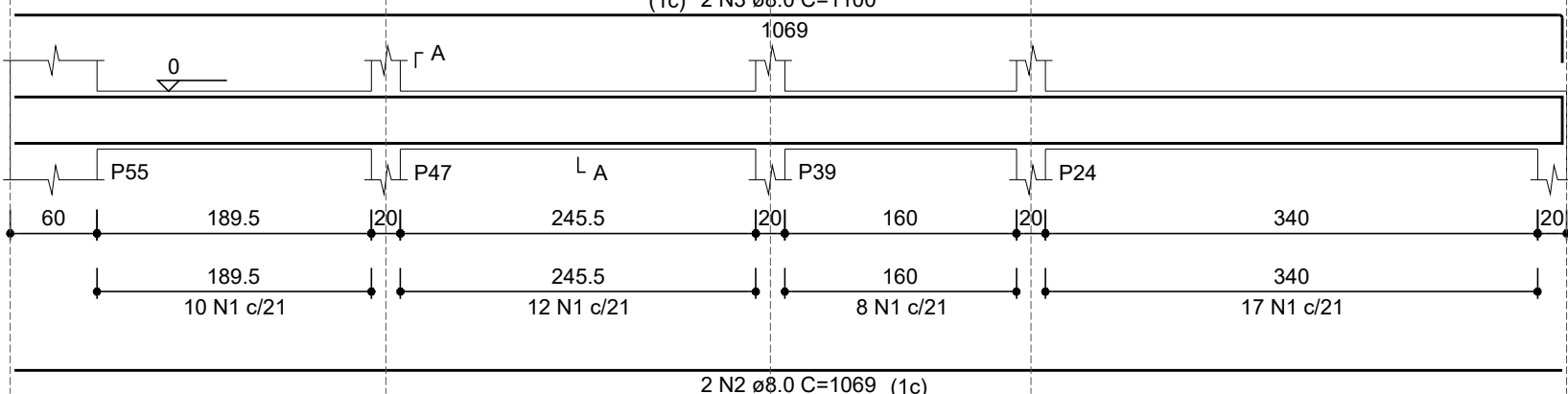
VB13
ESC 1:50



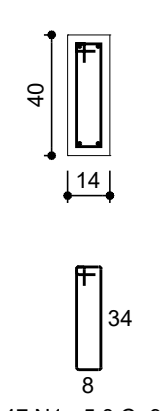
SEÇÃO A-A
ESC 1:25



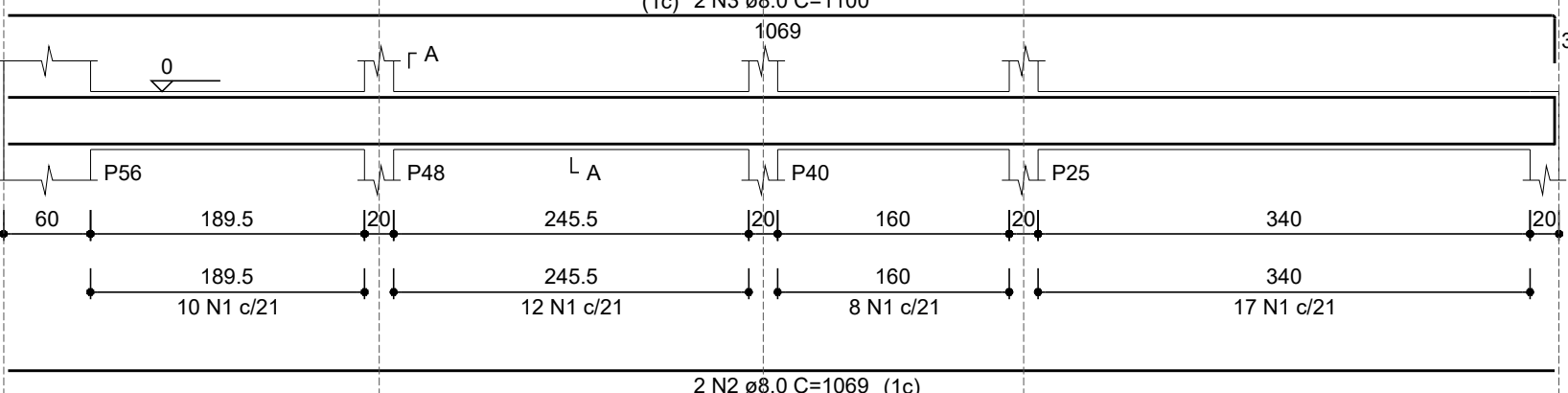
VB14
ESC 1:50



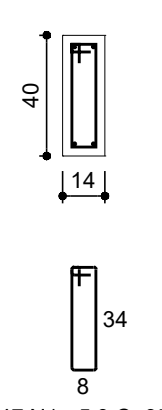
SEÇÃO A-A
ESC 1:25



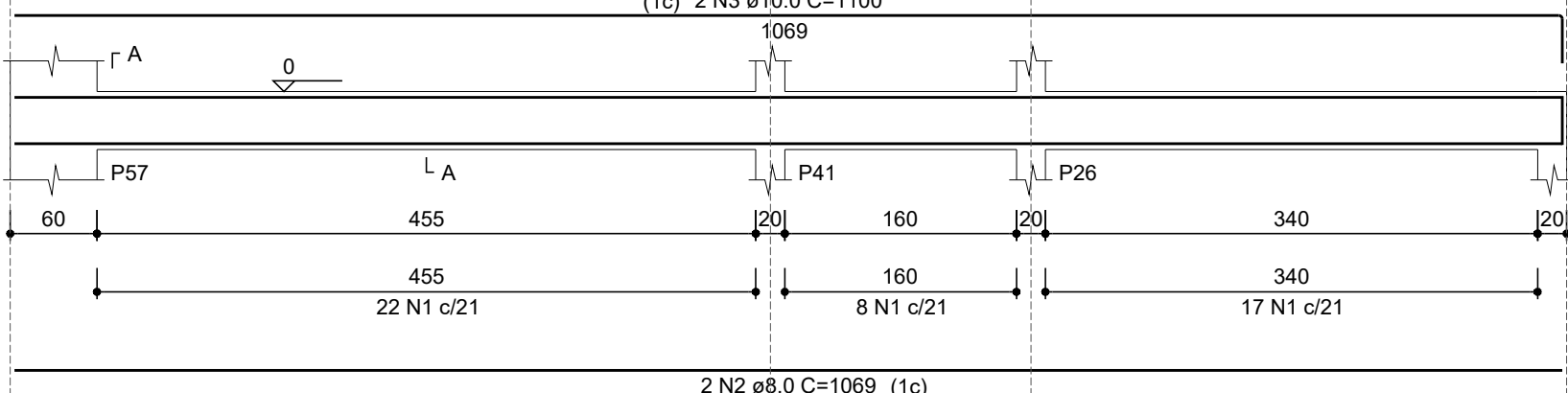
VB15
ESC 1:50



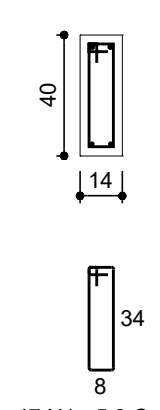
SEÇÃO A-A
ESC 1:25



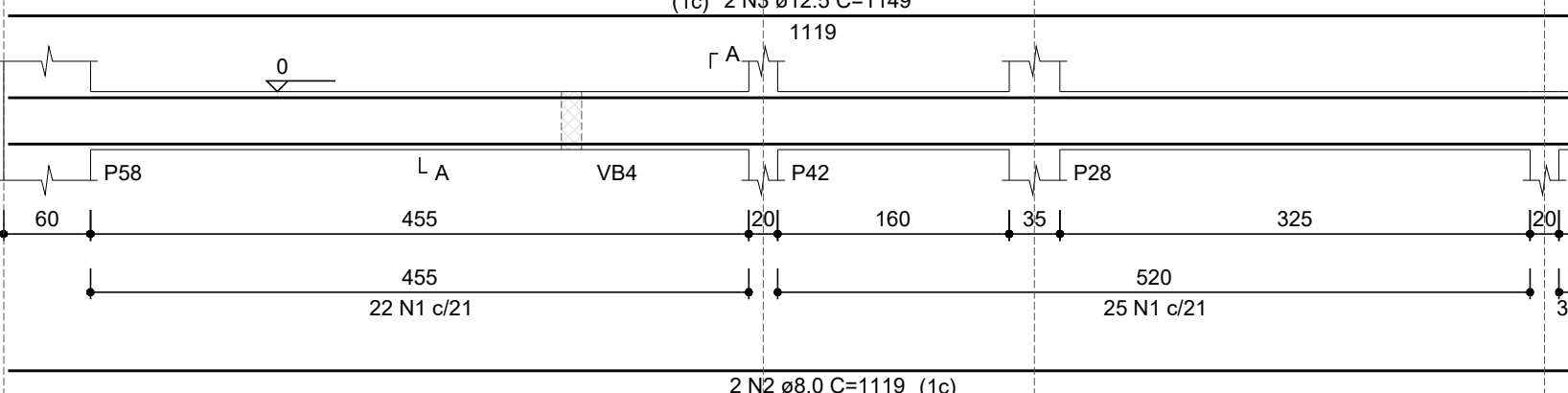
VB16
ESC 1:50



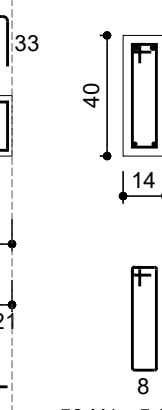
SEÇÃO A-A
ESC 1:25



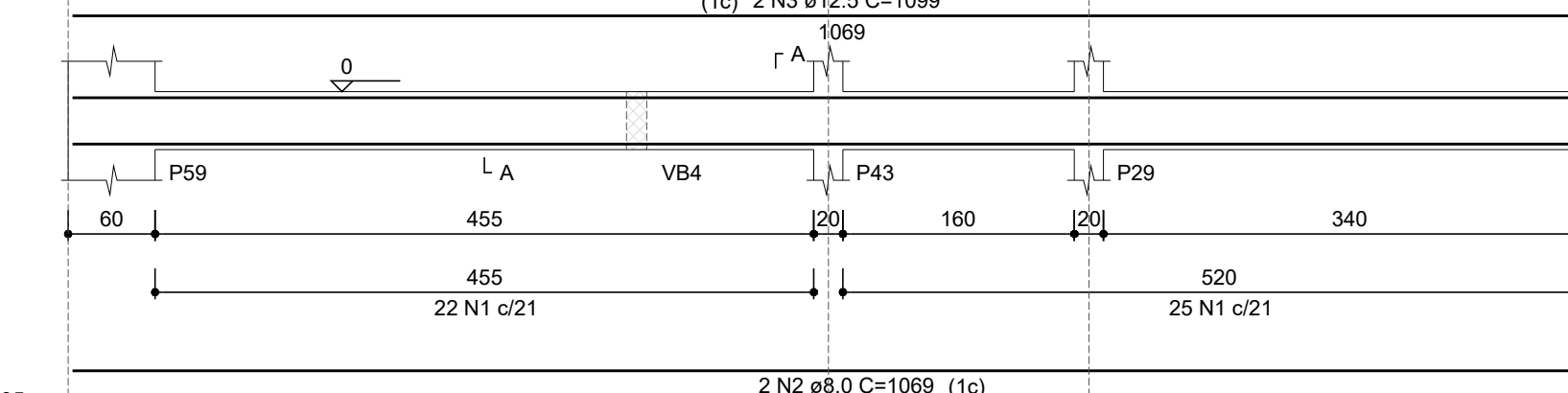
VB18
ESC 1:50



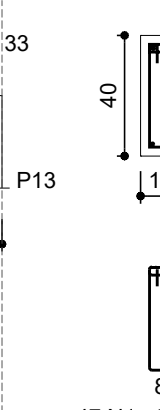
SEÇÃO A-A
ESC 1:25



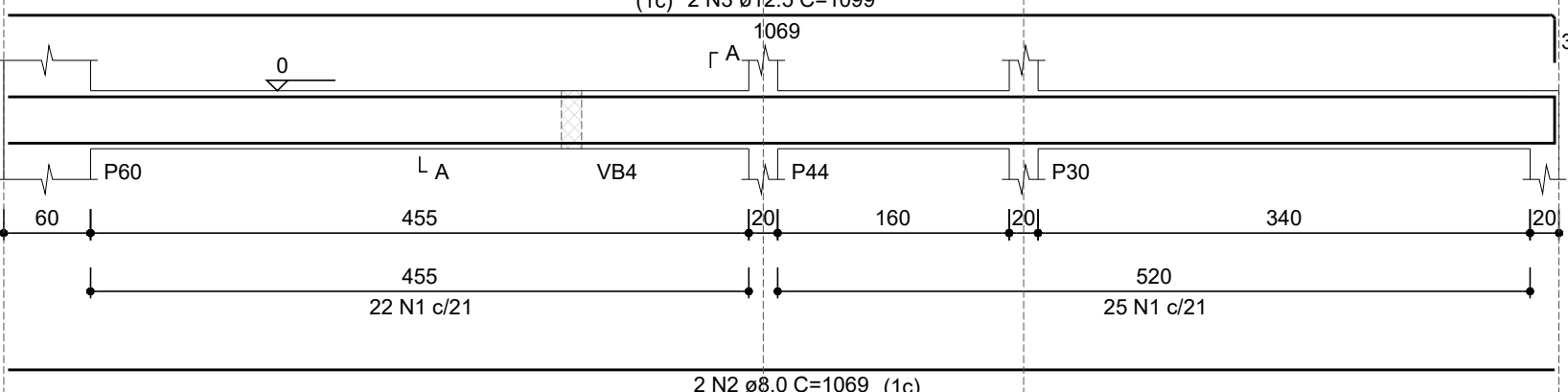
VB19
ESC 1:50



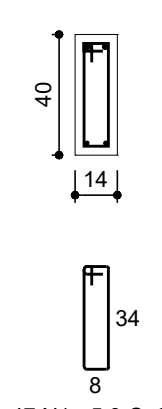
SEÇÃO A-A
ESC 1:25



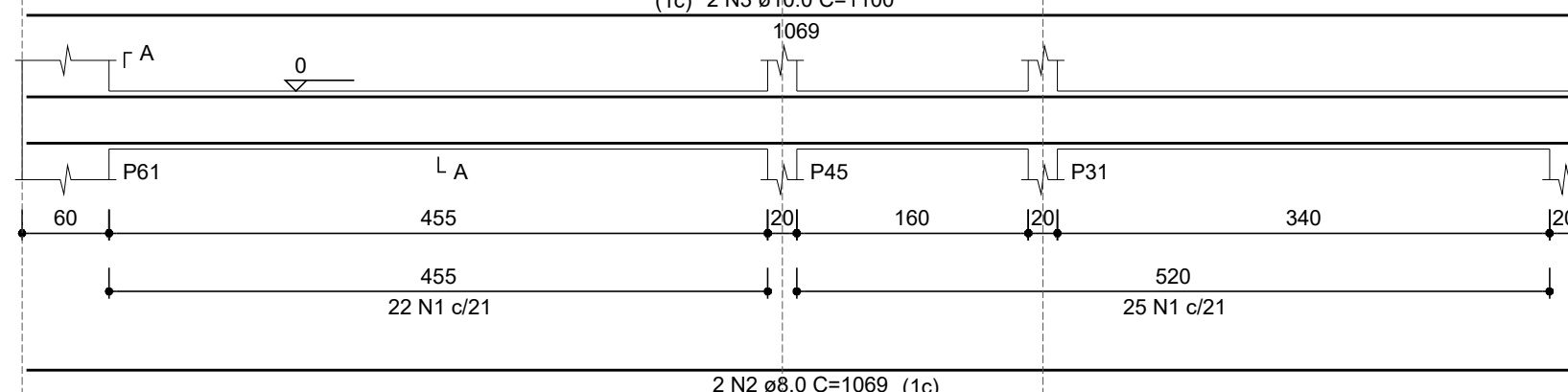
VB20
ESC 1:50



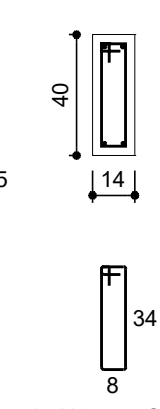
SEÇÃO A-A
ESC 1:25



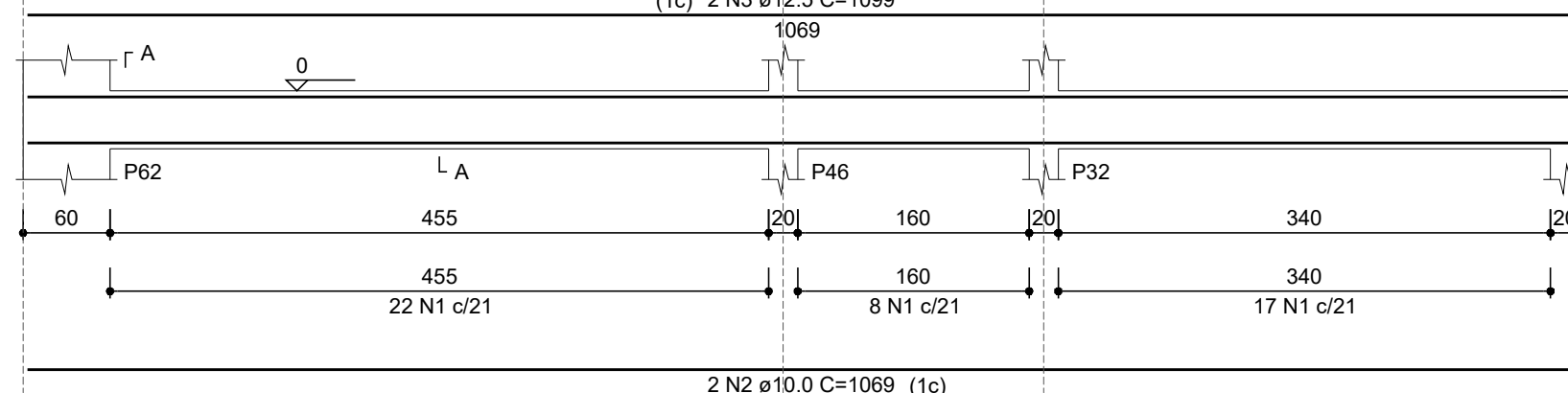
VB21
ESC 1:50



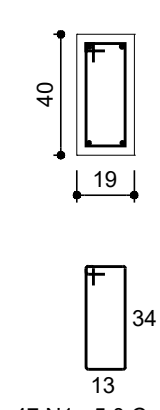
SEÇÃO A-A
ESC 1:25



VB22
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)
VB4	CA60	1	5.0	44	95
	CA60	2	5.0	4	239
	CA50	3	8.0	2	926
	CA50	4	8.0	4	110
	CA50	5	8.0	2	330
VB5	CA60	1	5.0	21	95
	CA50	2	8.0	2	473
	CA50	3	8.0	2	535
	CA60	1	5.0	47	105
	CA60	2	5.0	47	220
VB7	CA50	3	10.0	2	1069
	CA50	4	10.0	2	187
	CA50	12.5	2	712	1424
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB8	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB9	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
VB10	CA50	2	8.0	2	1077
	CA50	3	10.0	2	1100
	CA60	1	5.0	49	95
	CA50	2	8.0	2	1119
	CA50	3	10.0	2	1150
VB11	CA60	1	5.0	19	95
	CA50	2	8.0	2	424
	CA50	3	8.0	2	455
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB12	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	10.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB13	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	10.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB14	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
VB15	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
VB16	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	8.0	2	1100
VB17	CA50	3	12.5	2	1149
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
VB18	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
VB19	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
VB20	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
VB21	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
VB22	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099
	CA60	1	5.0	47	95
	CA50	2	8.0	2	1069
	CA50	3	12.5	2	1099

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	431.6	170.3
CA50	10.0	157.5	97.1
CA50	12.5	103.2	99.4
CA60	5.0	751.1	115.8
PESO TOTAL (kg)			
CA50	366.8		
CA60	115.8		

Volume de concreto (C-25) = 9.06 m³
Área de forma = 146.72 m²

NOTAS

- 1 - A LOCAÇÃO DA OBRA DEVERÁ SER CONFIRMADA PELA CONSTRUTORA;
- 2 - MEDIDAS EM CENTÍMETROS;
- 3 - CONFERIR MEDIDAS NA OBRA;
- 4 - CONCRETO ESTRUTURAL: Fck ≥ 25MPa, Eci=28000MPa E FATOR ÁGUA CIMENTO = 0.55.

REVISÕES

Nº	DISCRIMINAÇÃO	DATA	VERIFICAÇÃO
0	ENTREGA INICIAL P/ CLIENTE	05/07/2023	S. HAMMINE

ENGENHARIA
HAMMINE ENGENHARIA LTDA.
CNPJ: 30.274.683/0001-165

PREFEITURA MUNICIPAL DE VISTA ALEGRE DO ALTO
Praça Dr. Emílio Henrique Ower Sandoth, 278 - Centro
Telefone: (16) 3277-8300
E-mail: pmvaa@vistaalegrealto.sp.gov.br

OBRA:	CONSTRUÇÃO DE ARQUIBANCADA DO ESTÁDIO MUNICIPAL
LOCAL:	RUA ETELVINO DE SOUZA, Nº 130 - VISTA ALEGRE DO ALTO
OBJETO:	PROJETO DE ESTRUTURA DE CONCRETO ARMADO
ASSUNTO:	DETALHAMENTO DAS ARMADURAS DAS VIGAS VB04, VB05 E VB07 A VB22
DESENHO:	IGOR FERREIRA
DATA:	JULHO/2023
FOUN:	
Prefeitura Municipal de Vista Alegre do Alto CNPJ: 52.854.775/0001-28	Said Abou Hammine Filho ENGENHEIRO CIVIL - CREA-SP: 506.301.169-7 A.R.T. Nº: 28027230230970780

ECA-04/15