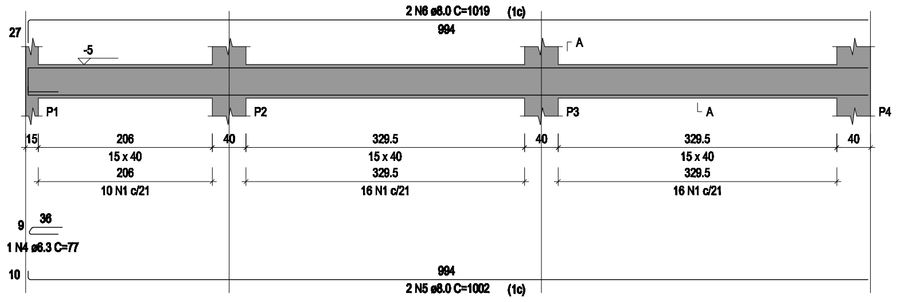
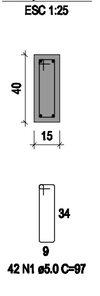
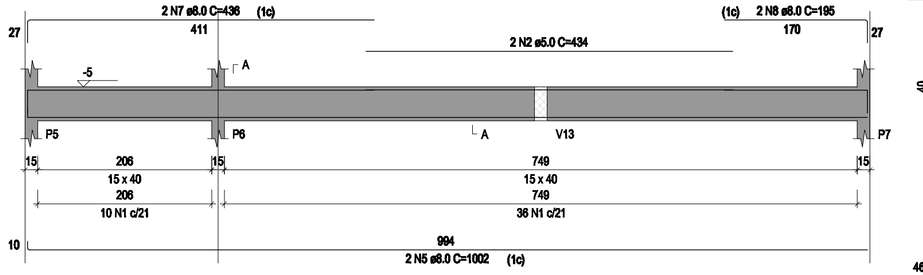
V1
ESC 1:50



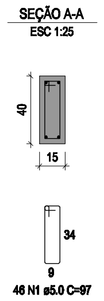
SEÇÃO A-A
ESC 1:25



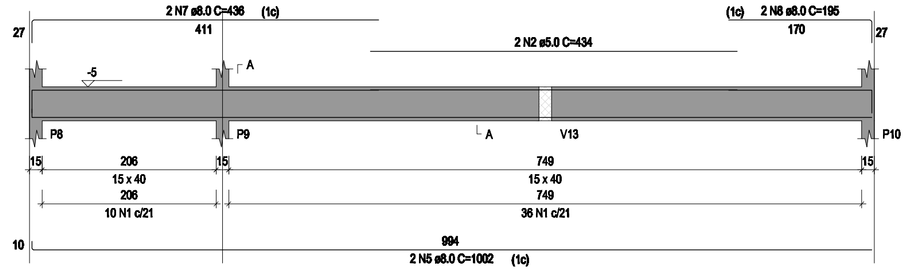
V2
ESC 1:50



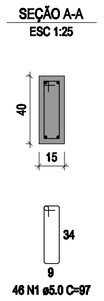
SEÇÃO A-A
ESC 1:25



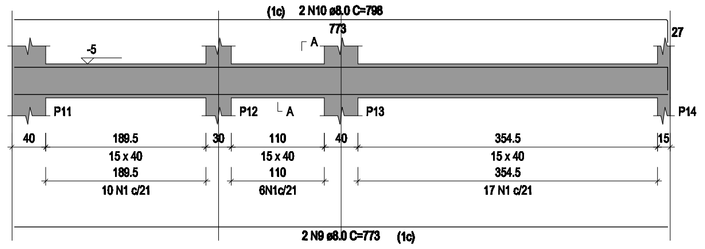
V3
ESC 1:50



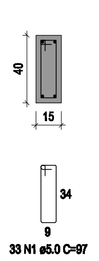
SEÇÃO A-A
ESC 1:25



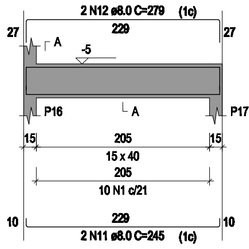
V4
ESC 1:50



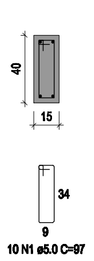
SEÇÃO A-A
ESC 1:25



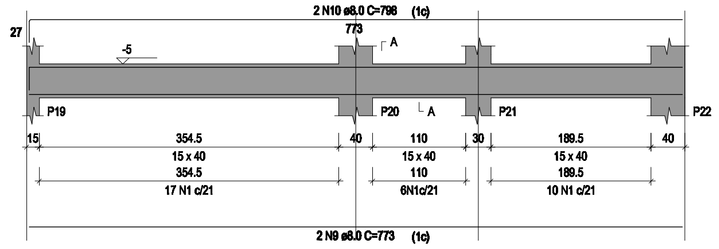
V5
ESC 1:50



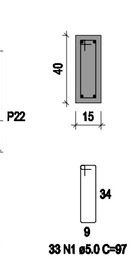
SEÇÃO A-A
ESC 1:25



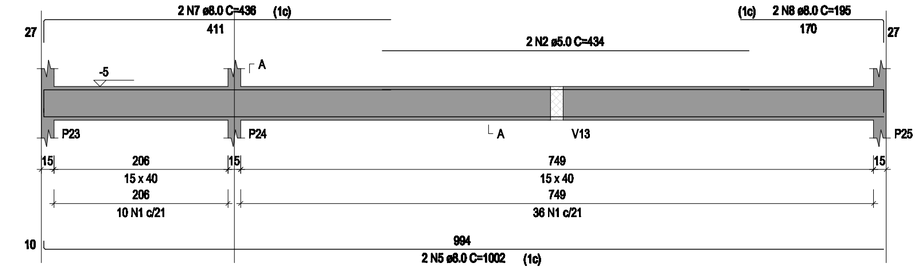
V6
ESC 1:50



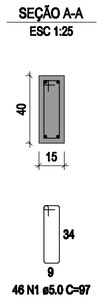
SEÇÃO A-A
ESC 1:25



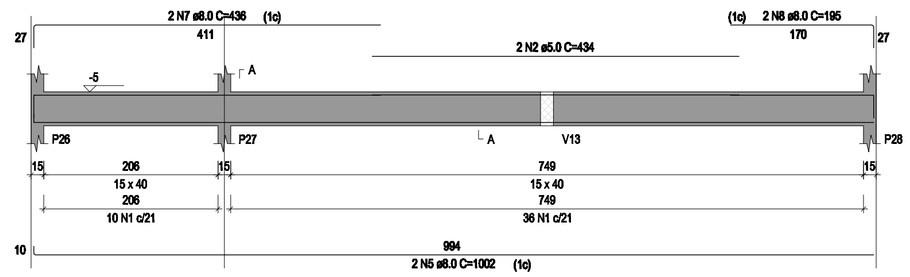
V7
ESC 1:50



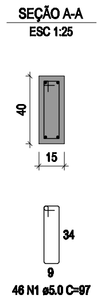
SEÇÃO A-A
ESC 1:25



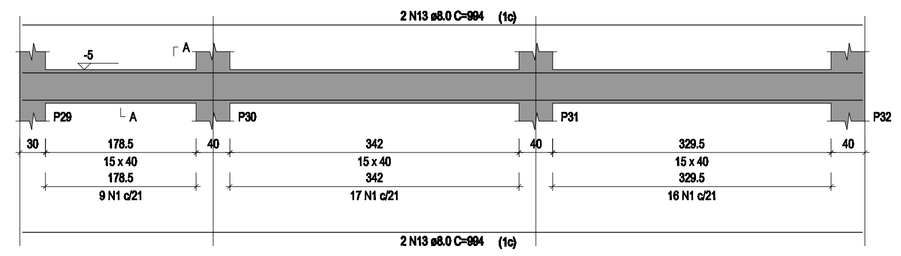
V8
ESC 1:50



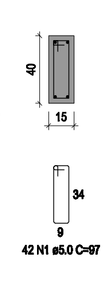
SEÇÃO A-A
ESC 1:25



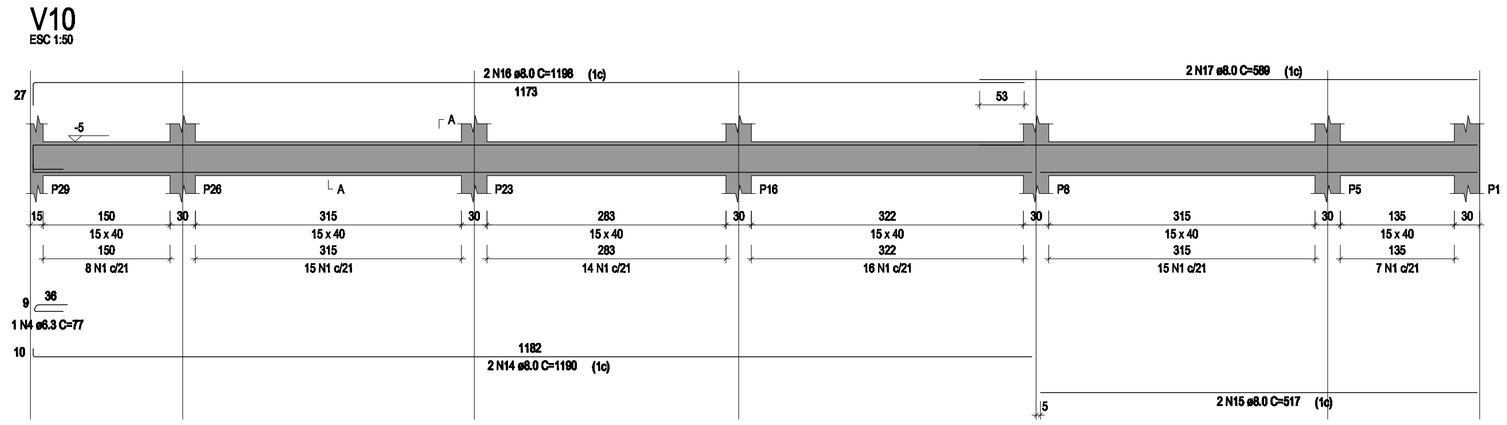
V9
ESC 1:50



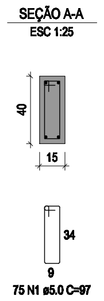
SEÇÃO A-A
ESC 1:25



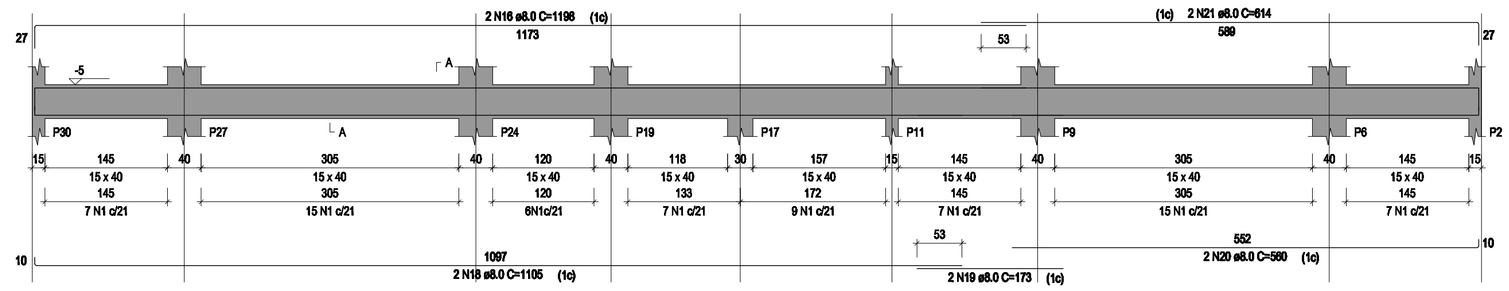
V10
ESC 1:50



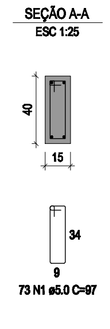
SEÇÃO A-A
ESC 1:25



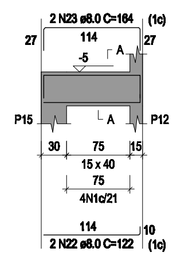
V11
ESC 1:50



SEÇÃO A-A
ESC 1:25

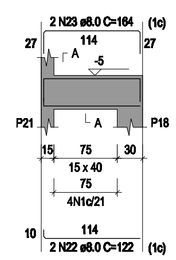


V12
ESC 1:50



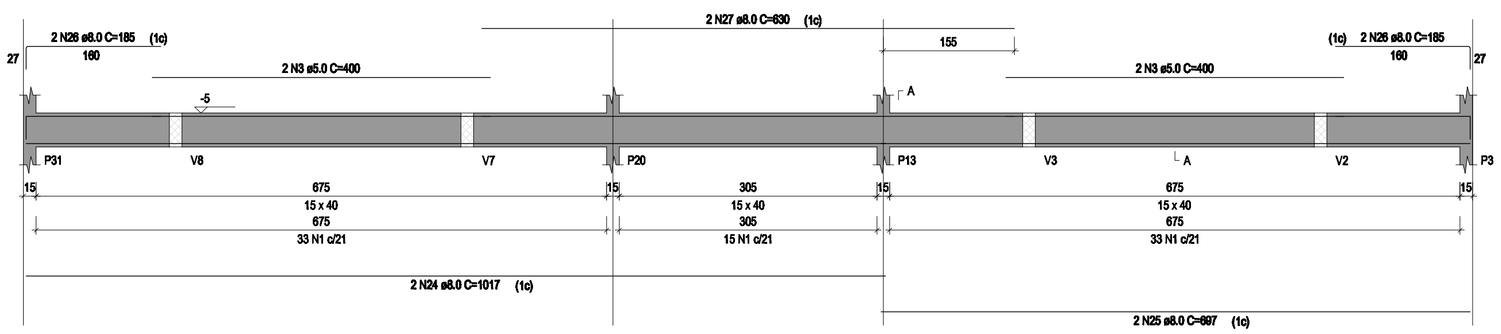
SEÇÃO A-A
ESC 1:25

V14
ESC 1:50

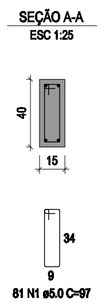


SEÇÃO A-A
ESC 1:25

V13
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	653	97	63341
	2	5.0	8	434	3472
	3	5.0	4	400	1600
CA50	4	6.3	4	77	308
	5	8.0	10	1002	10020
	6	8.0	2	1019	2038
	7	8.0	8	436	3488
	8	8.0	8	195	1560
	9	8.0	4	773	3092
	10	8.0	4	798	3192
	11	8.0	2	245	490
	12	8.0	2	279	558
	13	8.0	4	994	3976
	14	8.0	2	1190	2380
	15	8.0	2	517	1034
	16	8.0	6	1198	7188
	17	8.0	2	589	1176
	18	8.0	4	1105	4420
	19	8.0	4	173	692
	20	8.0	4	560	2240
	21	8.0	4	614	2456
	22	8.0	4	122	488
	23	8.0	4	164	656
	24	8.0	2	1017	2034
	25	8.0	2	697	1394
	26	8.0	4	185	740
	27	8.0	2	630	1260

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	3.1	0.8
	8.0	565.7	245.6
CA60	5.0	684.1	116
PESO TOTAL (kg)			
CA50	246.4		
CA60	116		

Volume de concreto (C-25) = 7.99 m³
Área de forma = 126.47 m²

RUBENS LUIS ROLANDO SOUZA:51335883053
Assinado de forma digital por RUBENS LUIS ROLANDO SOUZA:51335883053
Dados: 2025.04.01 08:49:26 -03'00'

RUBENS LUIS ROLANDO SOUZA
ENGENHEIRO CIVIL
CREA RS 88.296/D

Nu.	Revisões da Prancha		
001	Revisão Geral	Rubens	26/03/2025
Nu.	Comentários	Autor	Data

PROJETO ESTRUTURAL

RUBENS L. R. SOUZA
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Pitanga, PR (04935)5581185
rubensluis@globomail.com

PREFEITURA MUNICIPAL DE CAPANEMA

AMPLIAÇÃO EM ALVENARIA CEMEI - PINGO DE GENTE
DETALHE VIGAS BALDRAME

RUA PADRE CIRILO LOTE 14 QUADRA 92 SETOR SE CAPANEMA-PR

Escala: 01/50

Desenho:Eng Rubens | Área: 171,50 m2

Data: 26/03/2025 | Unidade: cm

Prancha 05/11