

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VB106	CA60	1	5.0	18	95	1710
	CA60	2	5.0	4	74	296
	CA50	3	8.0	2	402	804
	CA50	4	10.0	4	96	384
VB107	CA50	5	12.5	2	425	850
	CA60	6	5.0	20	95	1900
	CA60	7	5.0	4	74	296
	CA50	8	8.0	2	410	820
VB108	CA50	9	10.0	4	96	384
	CA50	10	12.5	2	456	912
	CA60	11	5.0	20	95	1900
	CA60	12	5.0	4	73	292
VB109	CA50	13	8.0	2	410	820
	CA50	14	10.0	4	96	384
	CA50	15	12.5	2	456	912
	CA60	16	5.0	18	95	1710
VB110	CA60	17	5.0	4	73	292
	CA50	18	8.0	2	402	804
	CA50	19	10.0	4	96	384
	CA50	20	12.5	2	425	850
VB111	CA60	21	5.0	43	95	4085
	CA50	22	8.0	2	909	1818
	CA50	23	8.0	2	955	1910
	CA60	24	5.0	44	95	4180
VB111	CA50	25	8.0	2	909	1818
	CA50	26	8.0	2	955	1910

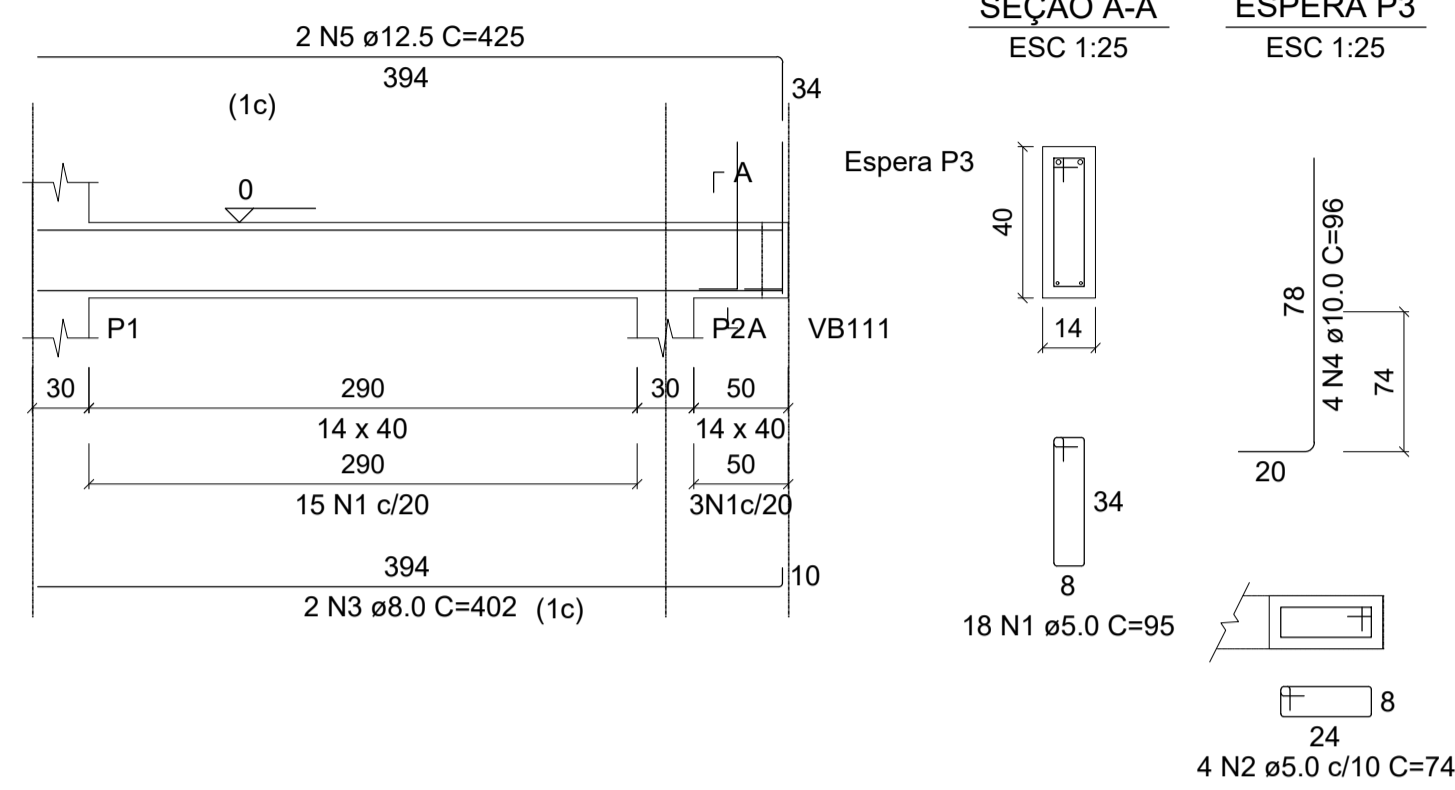
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	107	46.5
	10.0	15.4	10.4
	12.5	35.2	37.3
	5.0	166.6	28.2
PESO TOTAL (kg)			
CA50	94.2		
CA60	28.2		

Volume de concreto (C25) = 1.86 m³
Área de forma = 26.32 m²

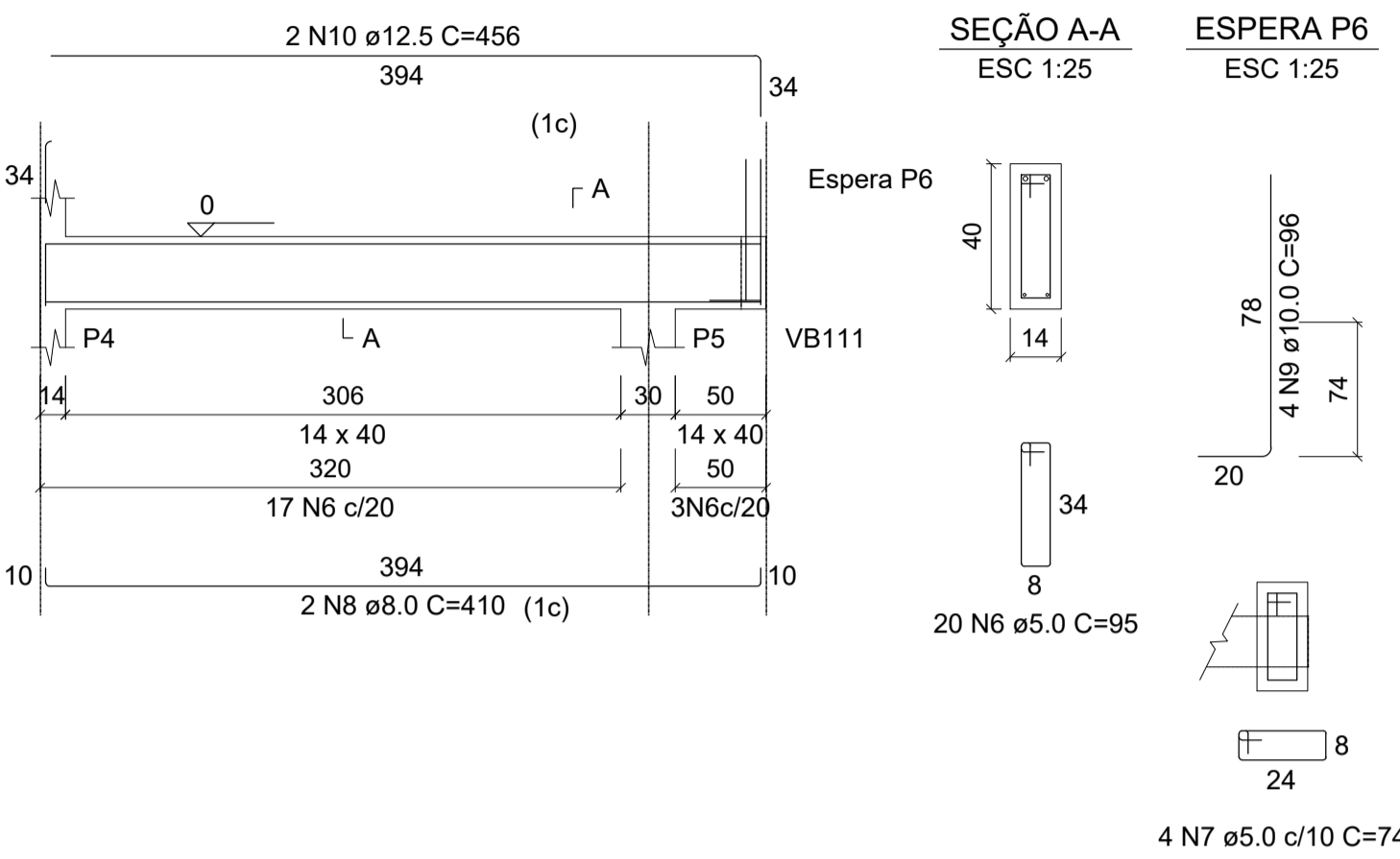
VB106

ESC 1:50



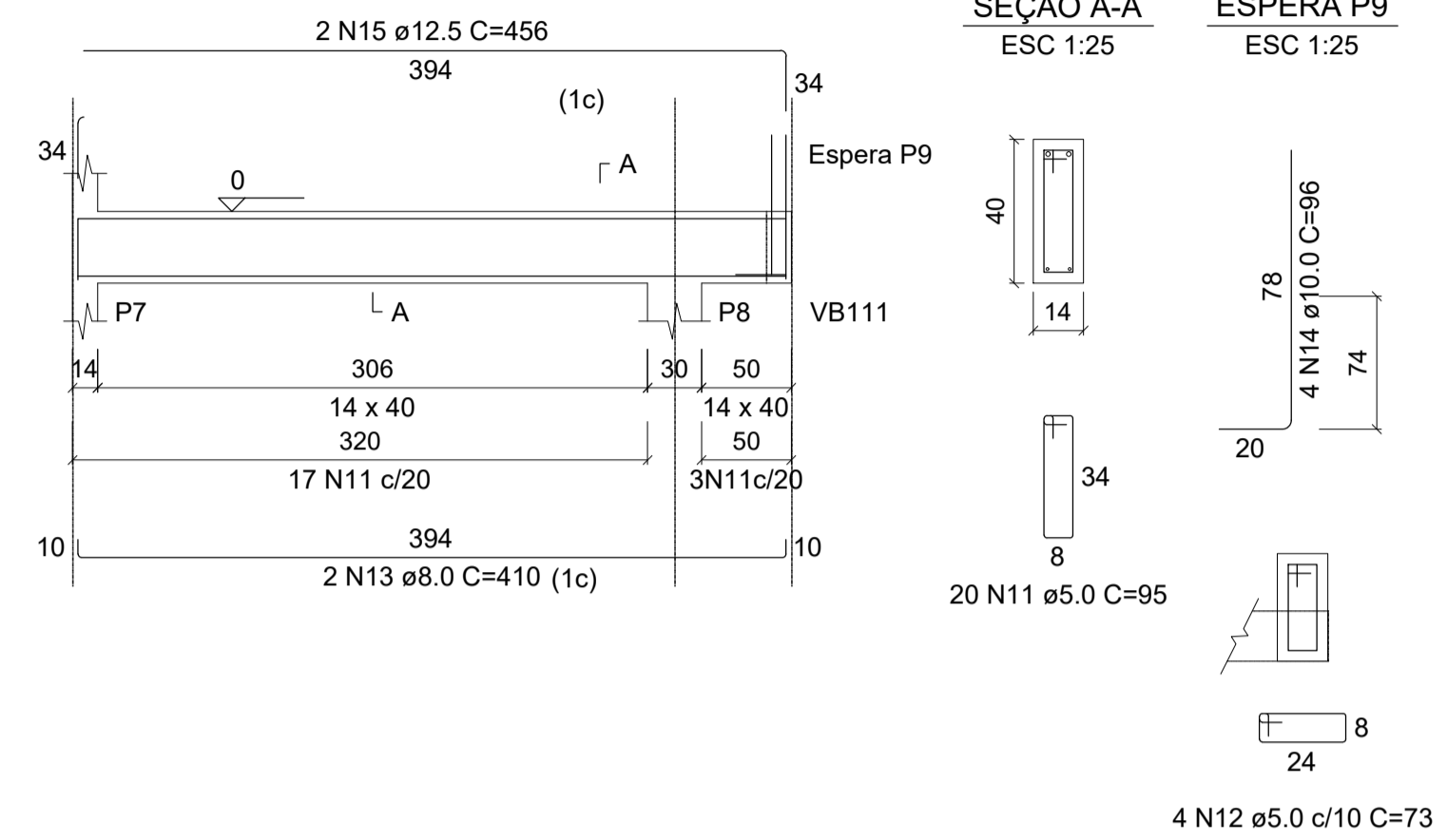
VB107

ESC 1:50



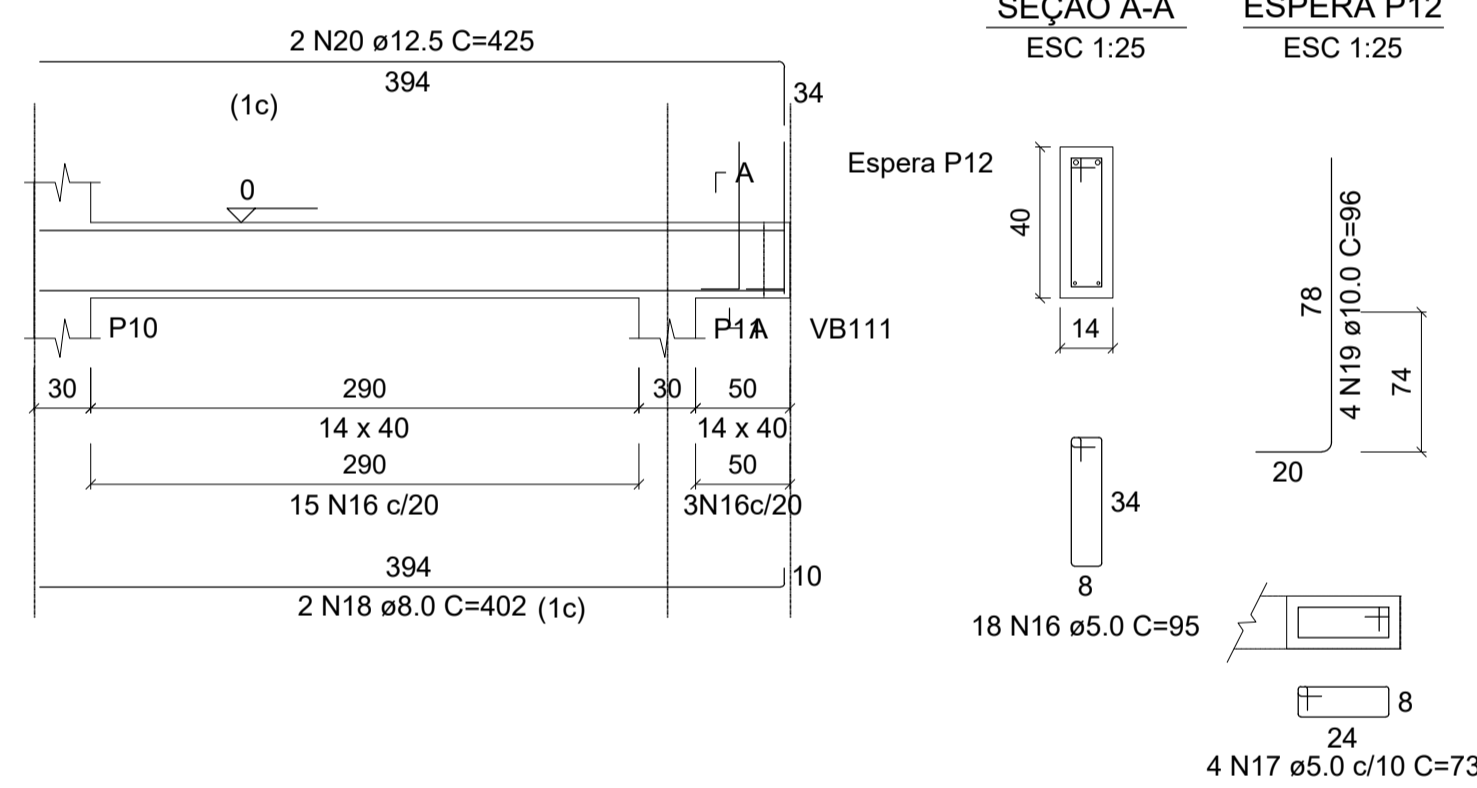
VB108

ESC 1:50



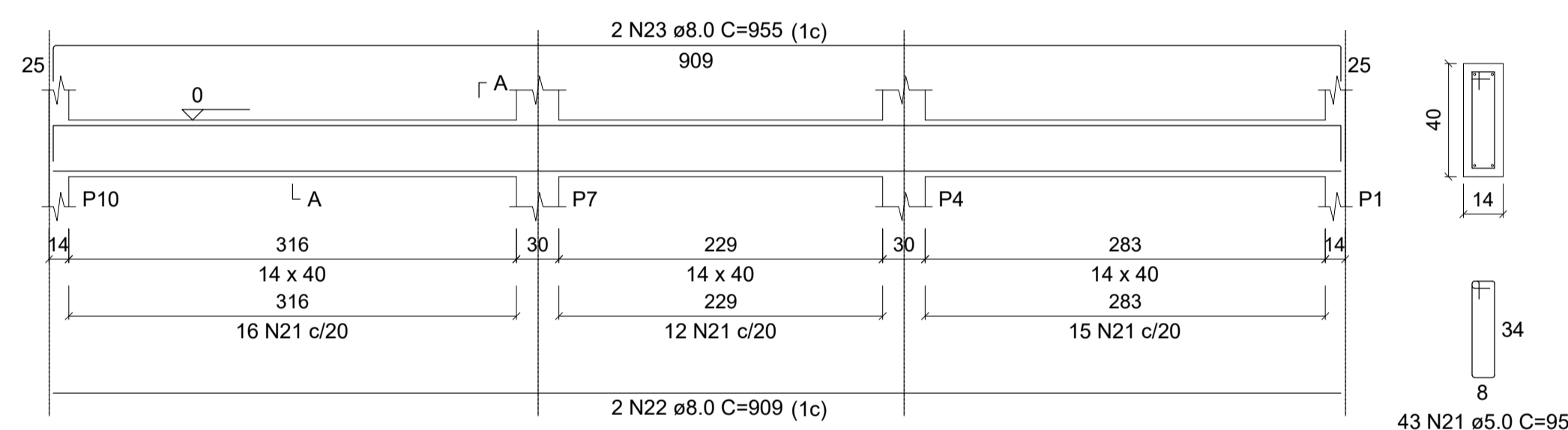
VB109

ESC 1:50



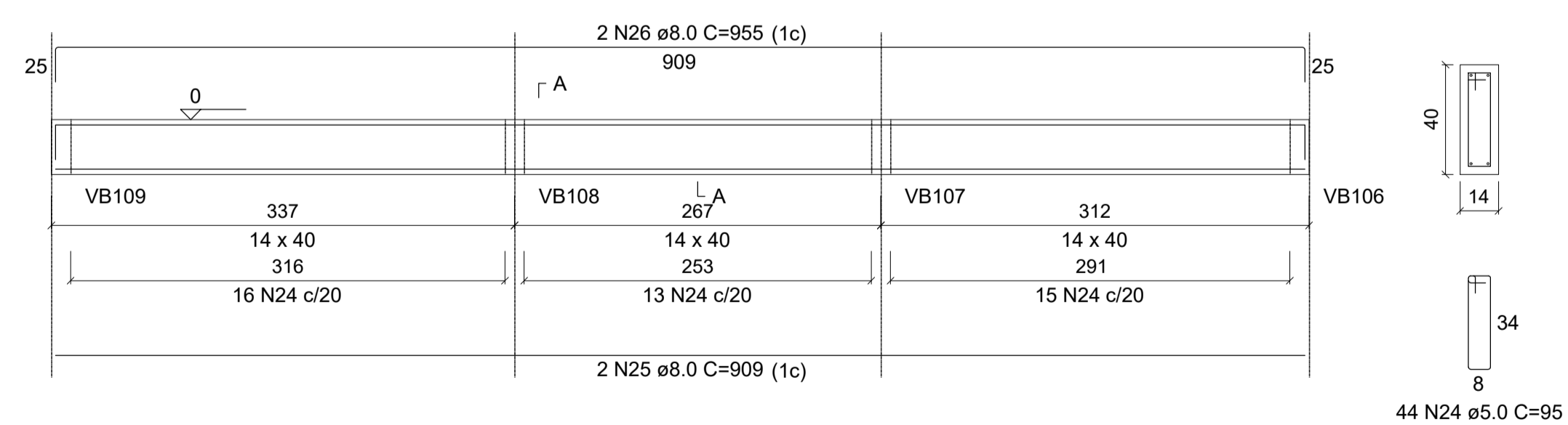
VB110

ESC 1:50



VB111

ESC 1:50



DEPARTAMENTO ESTADUAL DE TRÂNSITO
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DIEMI - DIVISÃO DE ENGENHARIA, MANUTENÇÃO E INFRAESTRUTURA

OBRA	ART / RRT	LOCAL
Amp. da Agência do DETRAN de Chapadão do Sul - MS	000000000000	Chapadão do Sul - MS
CONTEÚDO DA PRANCHA	DATA INICIAL	QUADRO DE ÁREAS
ARMAÇÃO DAS VIGAS BALDRAMES	25/11/2019	36,60 m²
AUTOR DO PROJETO		FOLHA
Eng. Bruno Oliveira Gonçalves CREA 16312 D/MS		02/03