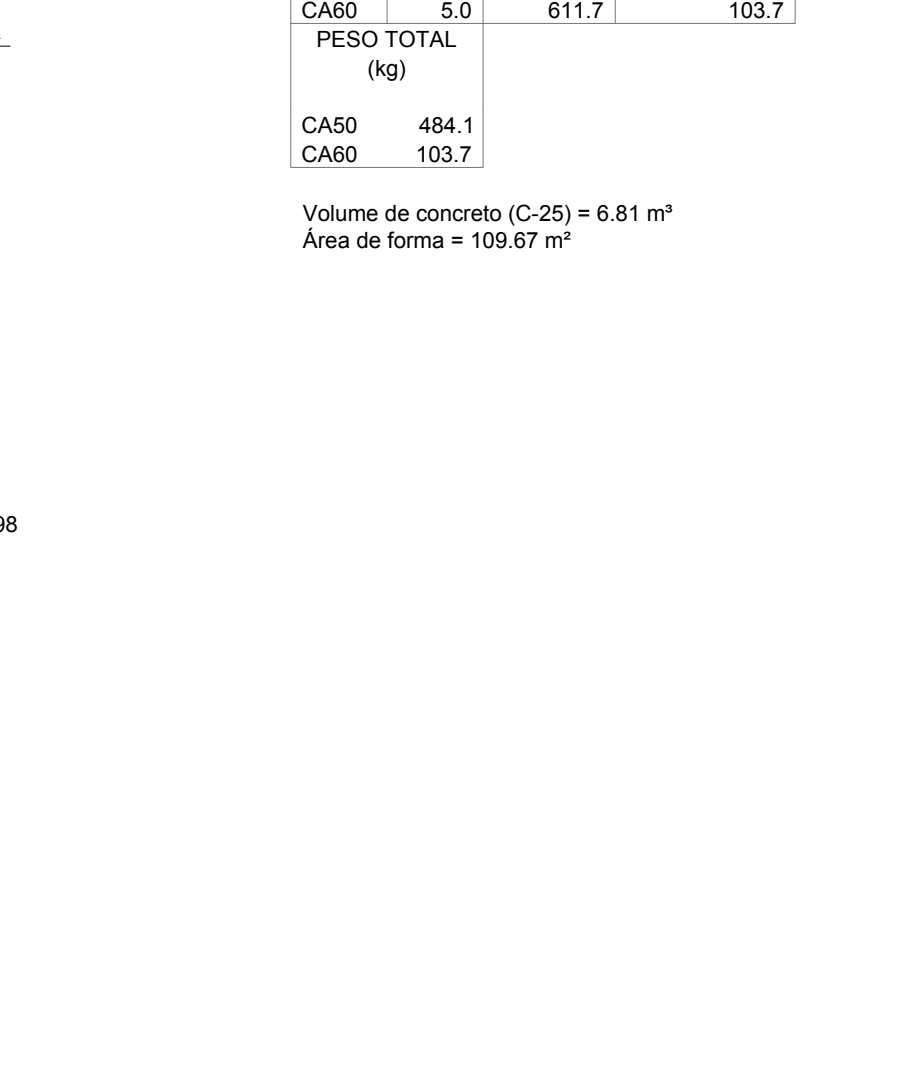
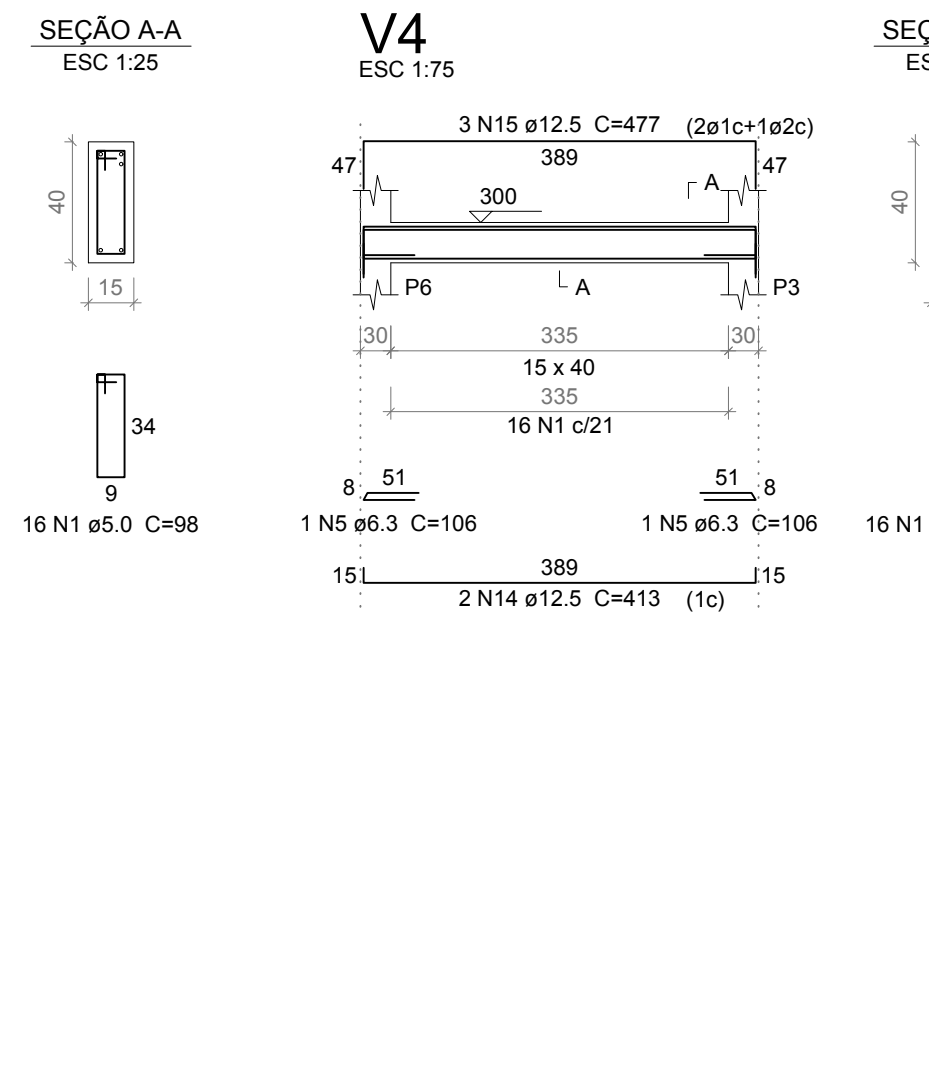
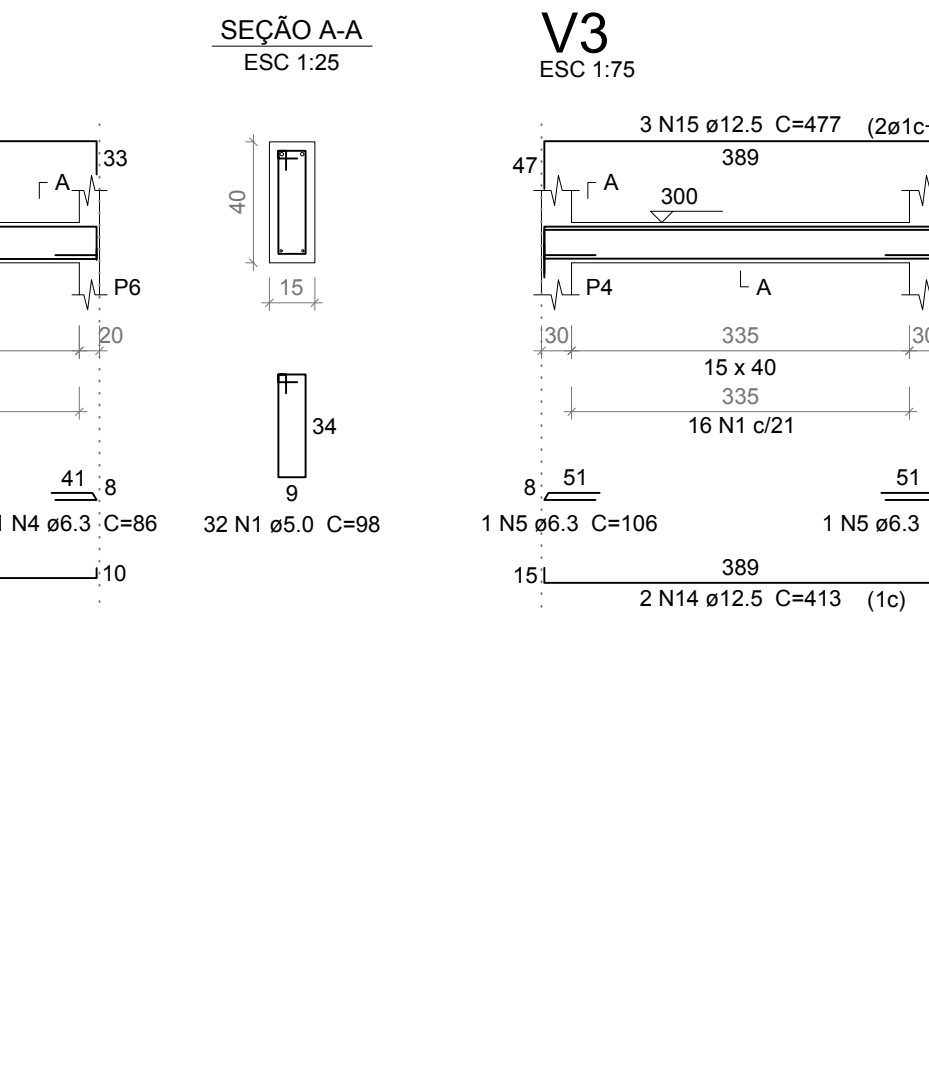
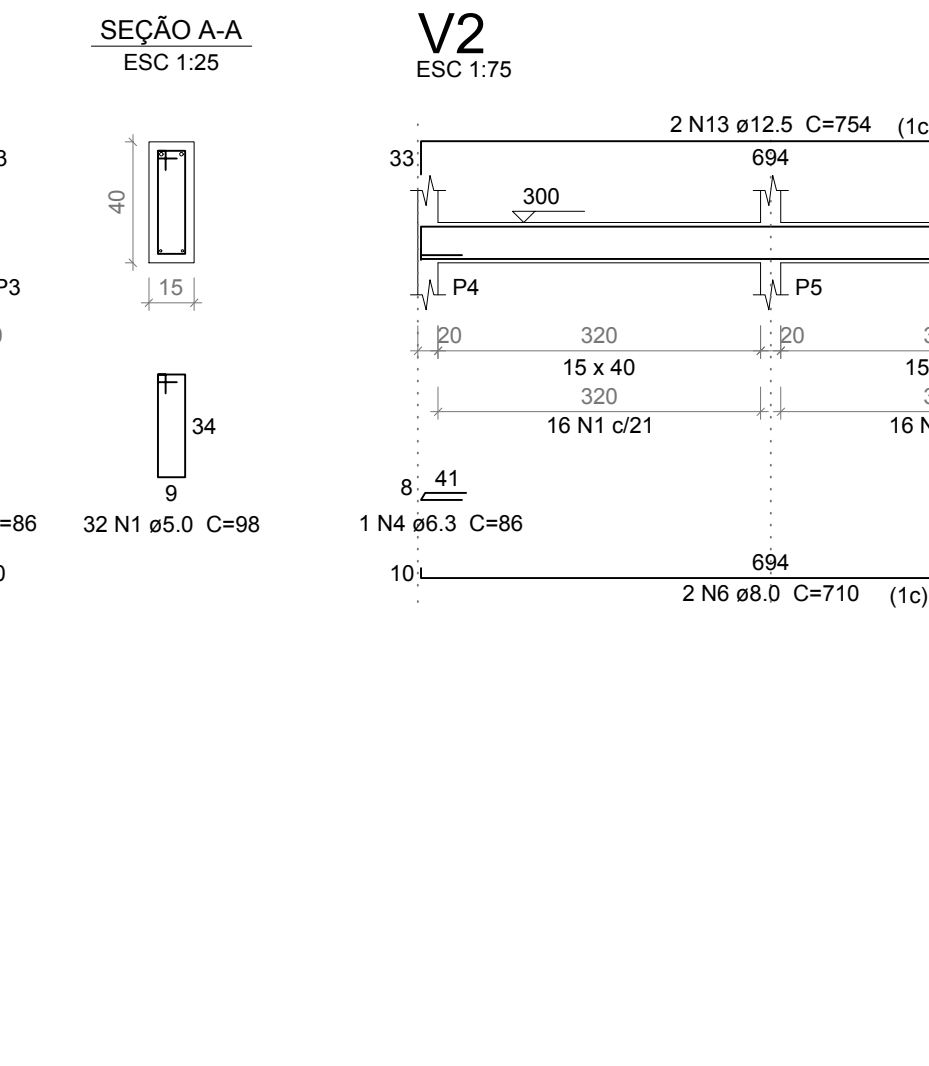
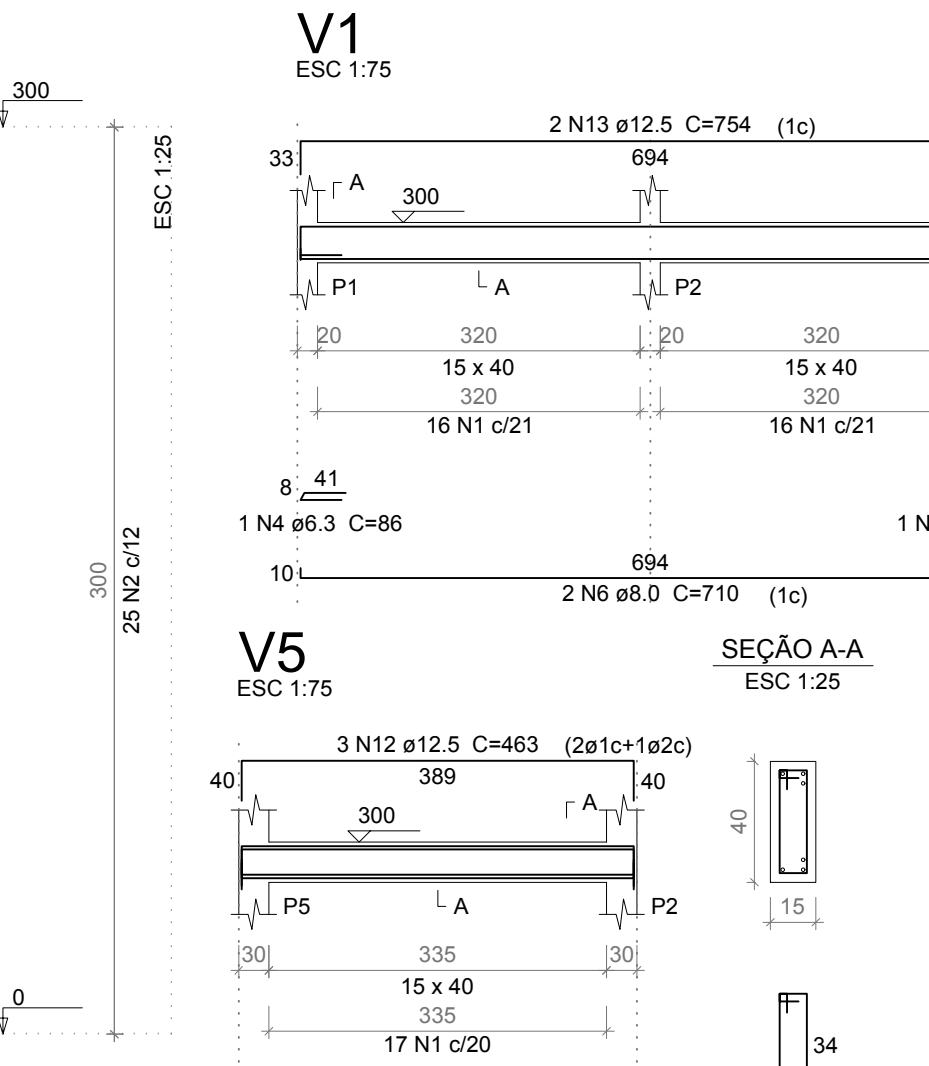
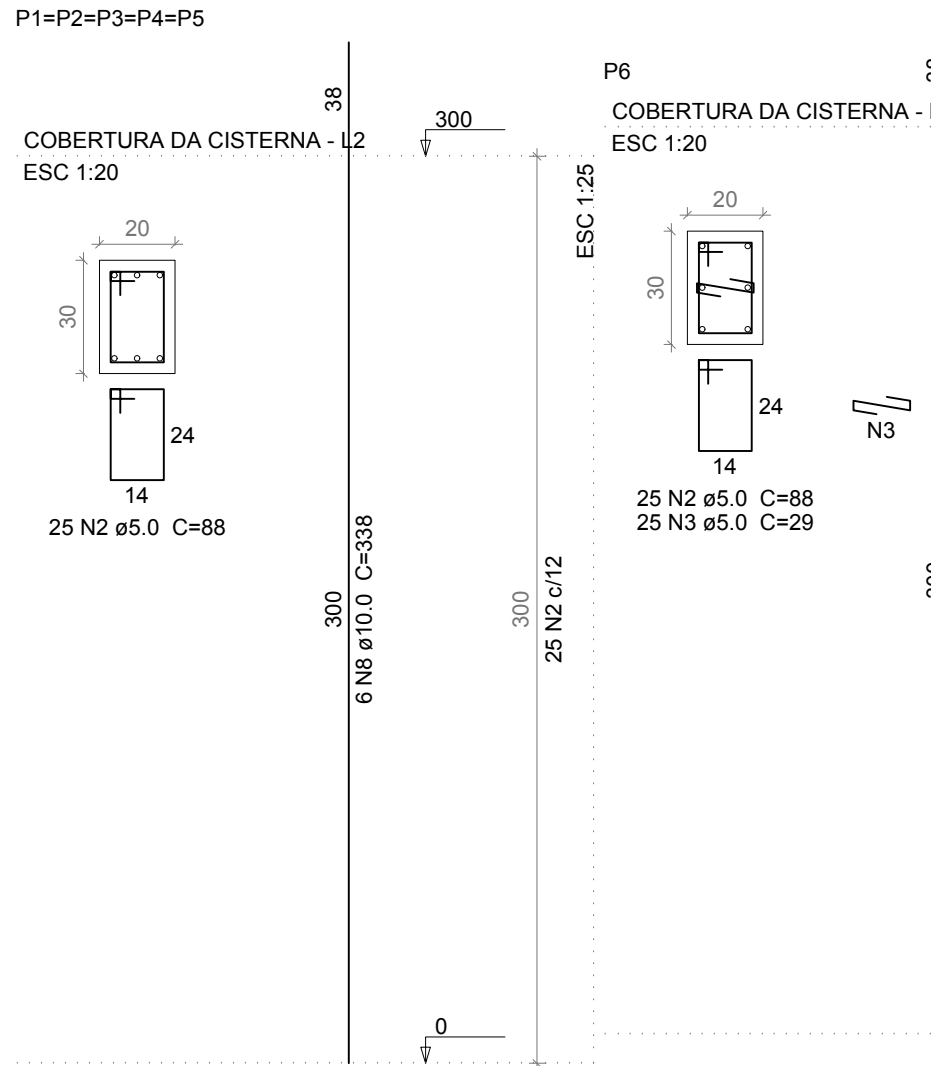


Relação do aço

Baldrame:	V1 V3 V5	V2 V4
Cobertura da Cisterna:	P1 V1 V3 V5	P6 V2 V4
Contraventamento:	5xP1 V1 V3 V5	P6 V2 V4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	340	98	33320
	2	5.0	300	88	26400
	3	5.0	50	29	1450
CA50	4	6.3	4	86	344
	5	6.3	4	106	424
	6	8.0	12	710	8520
	7	10.0	10	408	4080
	8	10.0	72	338	24336
	9	10.0	2	762	1524
	10	10.0	2	763	1526
	11	12.5	4	748	2992
	12	12.5	12	463	5556
	13	12.5	4	754	3016
	14	12.5	9	413	3717
	15	12.5	8	477	3816
	16	12.5	6	461	2766



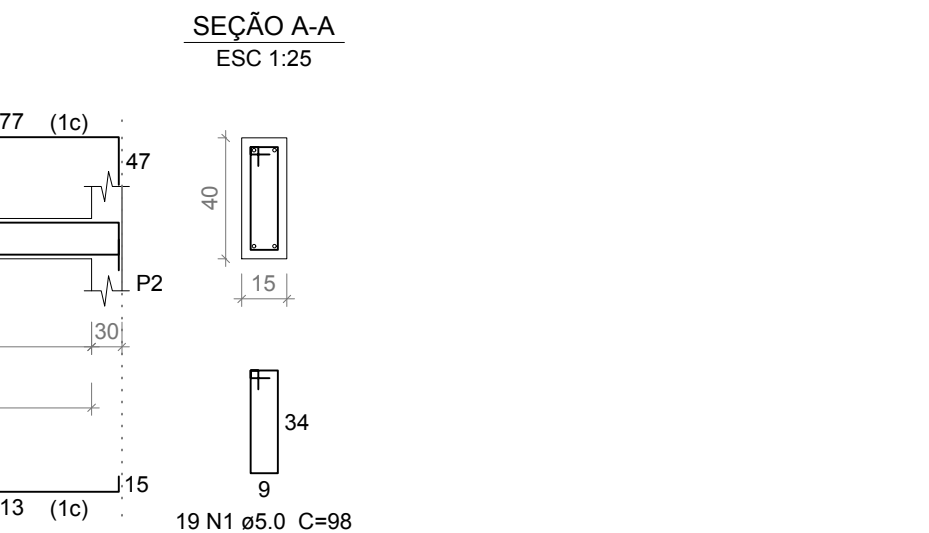
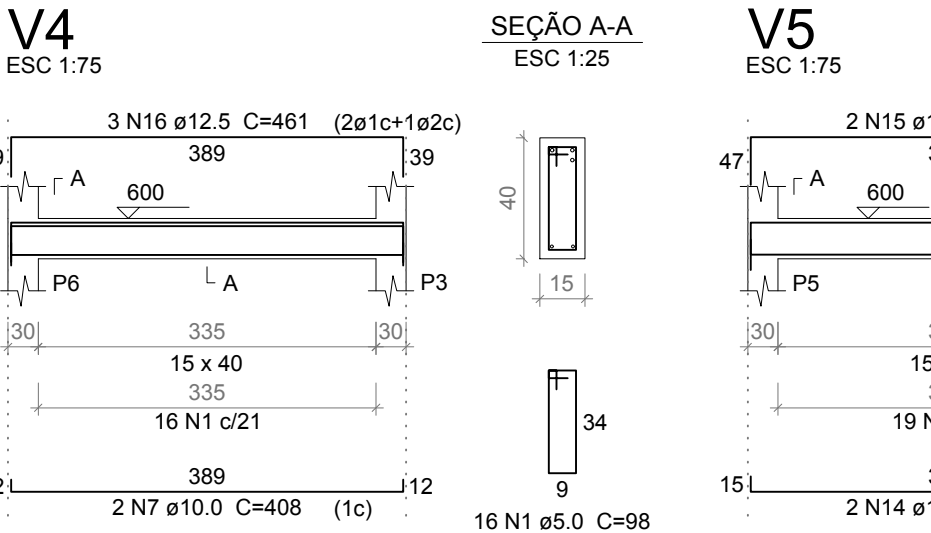
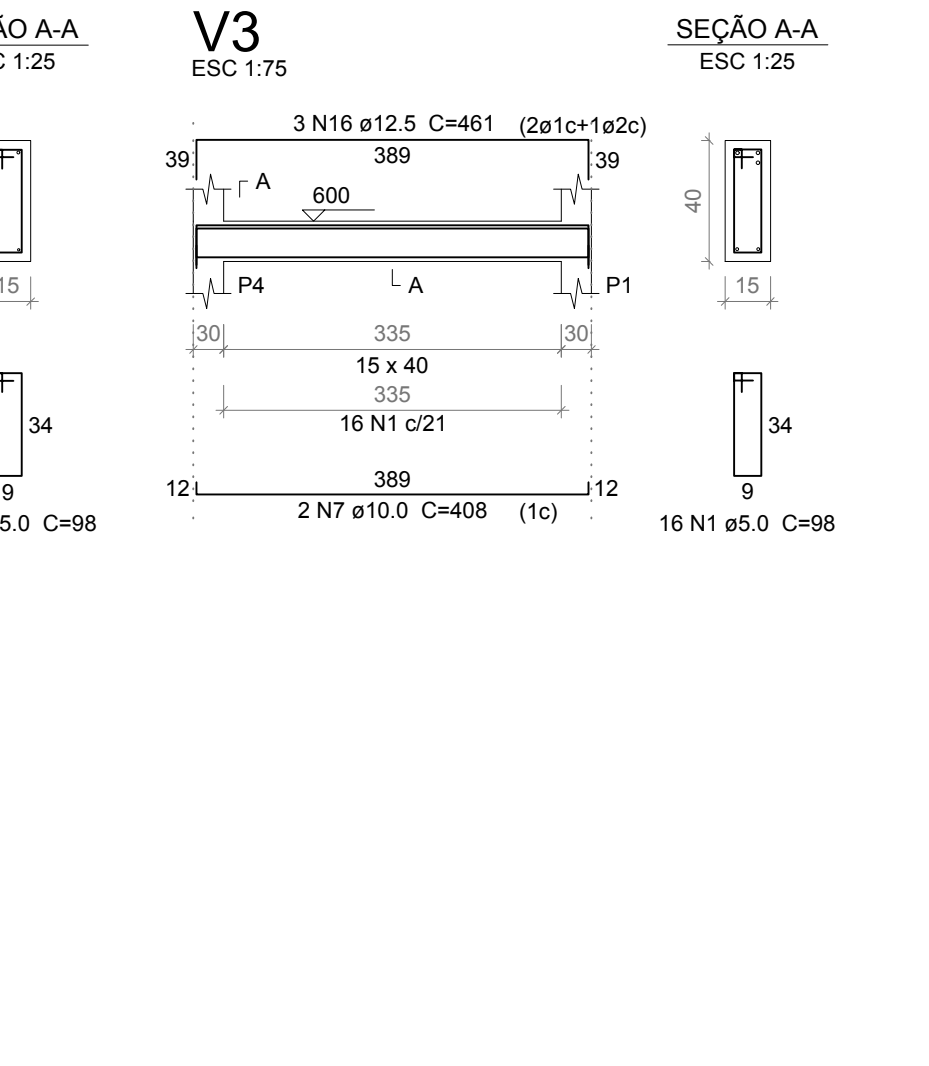
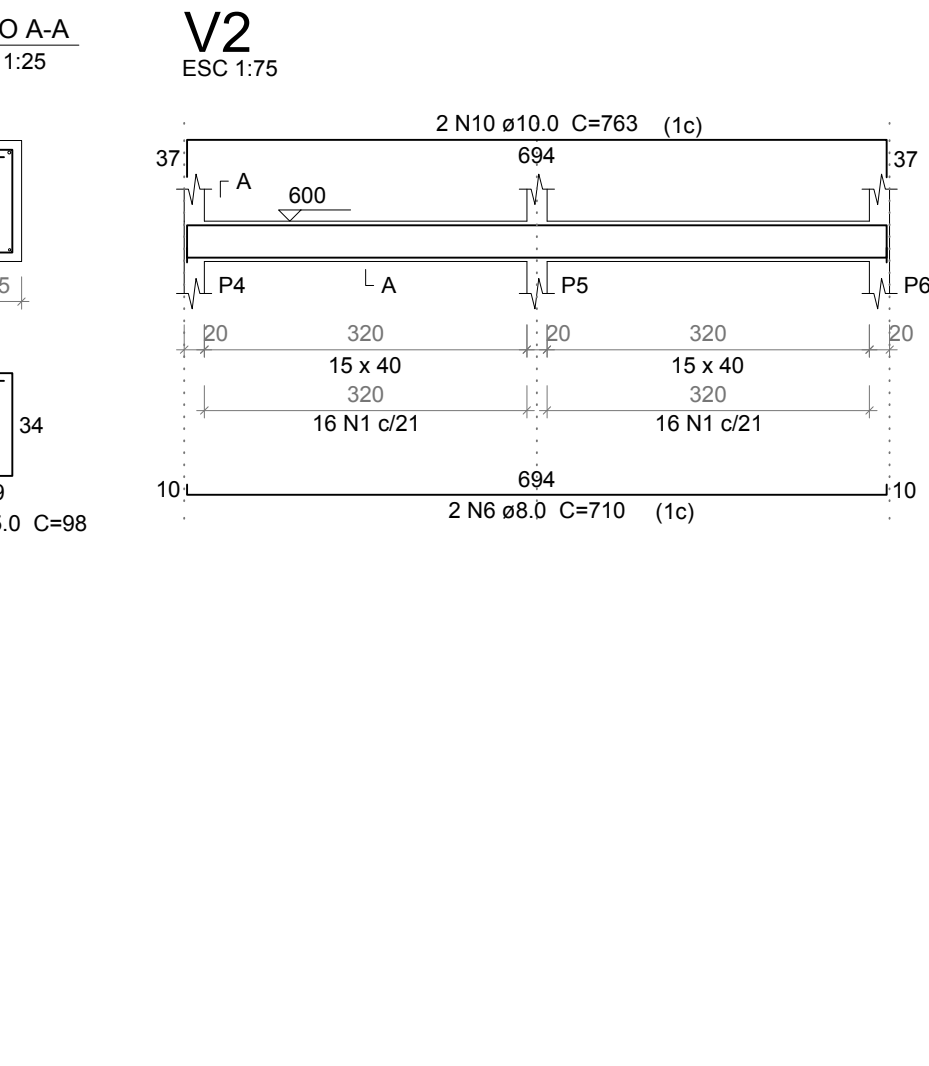
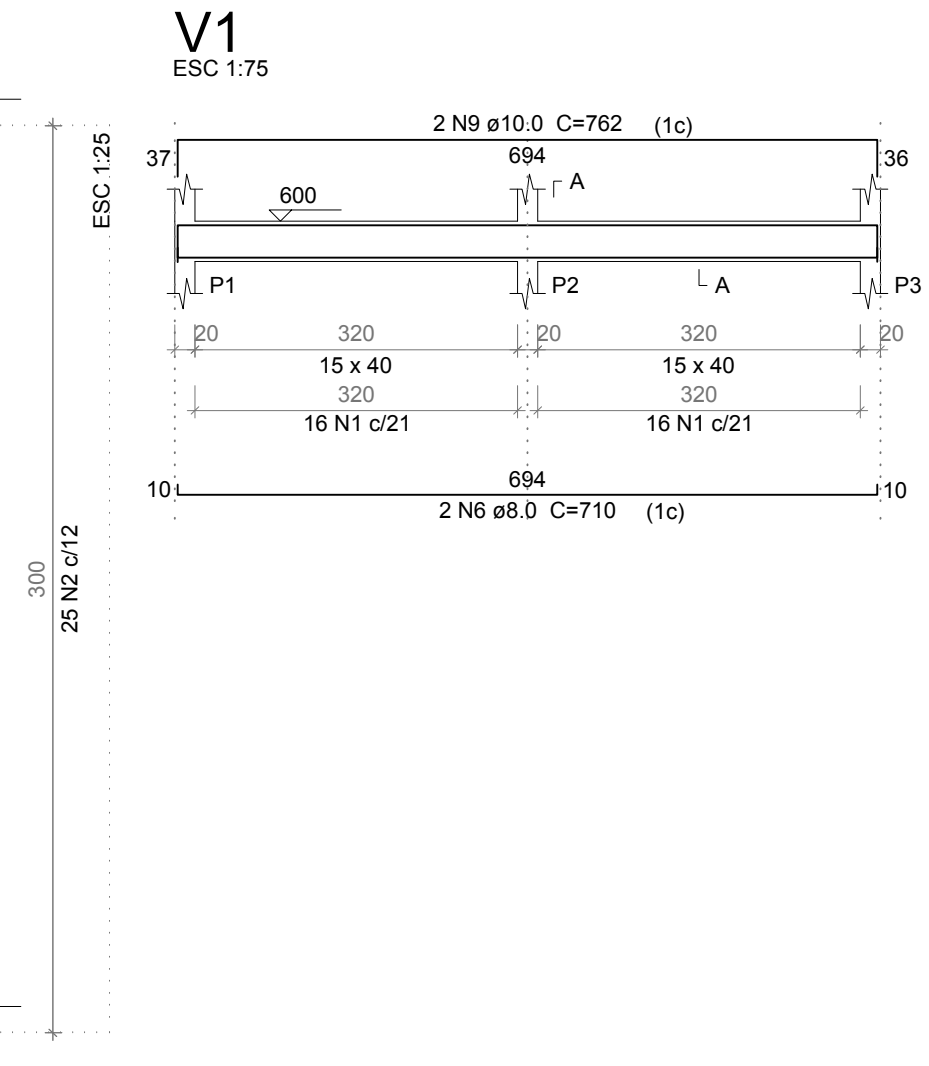
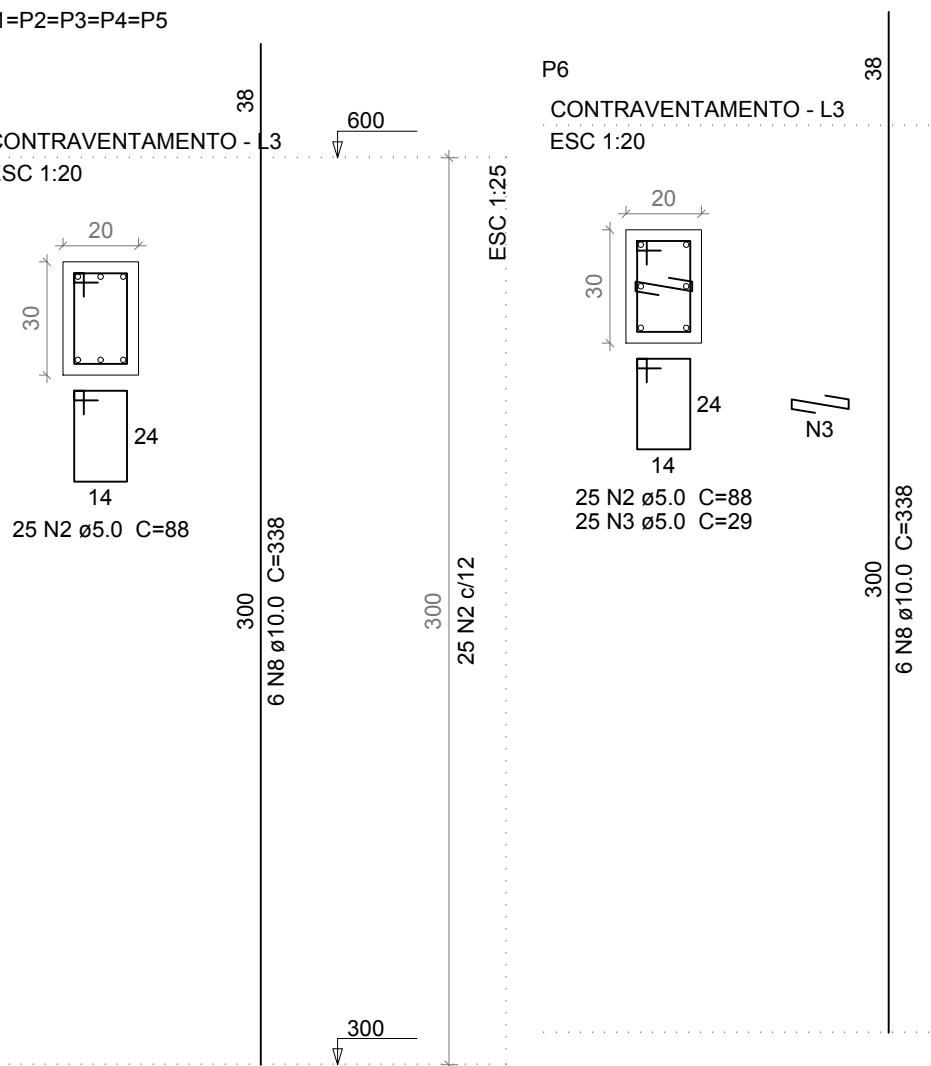
Resumo do aço


AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	7.7	2.1
	8.0	85.2	37
	10.0	314.7	213.4
	12.5	218.7	231.7
CA60	5.0	611.7	103.7

PESO TOTAL (kg)

CA50 484.1
CA60 103.7

Volume de concreto (C-25) = 6.81 m³
Área de forma = 109.67 m²





Equipe Técnica

Eng. Civil Dilnei de Freitas Jacinto
Eng. Civil Jacon Jeremias
Eng. Eletricista Edénir Vieira
Arq. Urbanista Andrea Patricia Martins de Souza
Eng. Civil Evair da Silva Borges
Acad. de Arq. e Urbanismo Vinicius Souza

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Pagani - Palhoça - SC

Projeto

ESTRUTURAL

Obra

UBSF COMASA
Rua Albano Schmidt S/N - Bairro Comasa - Joinville/SC

Proprietário

Fundo Municipal de Saúde de Joinville
CNPJ:08184821/0001-37

Responsáveis Técnicos

Andrea P. Martins de Souza Arquiteta e Urbanista CAU: A30287-2	Edénir Vieira Engenheiro Eletricista Crea/SC:118.524-5
Dilnei de Freitas Jacinto Engenheiro Civil Crea/SC:122.825-5	Jacon Jeremias Engenheiro Civil Crea/SC:125.007-9

Conteúdo

Detalhamento das Vigas e Pilares do castelo d'água.

Ref. JOI-04	Data MAI/2017	Área 845,00 m²	Escala INDICADA	Folha 22/25
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PROIBIDO CÓPIA OU REPRODUÇÃO DO PROJETO SEM PRÉVIA AUTORIZAÇÃO.
DIREITOS AUTORAIS RESERVADOS PELA LEI Nº 9.610-98