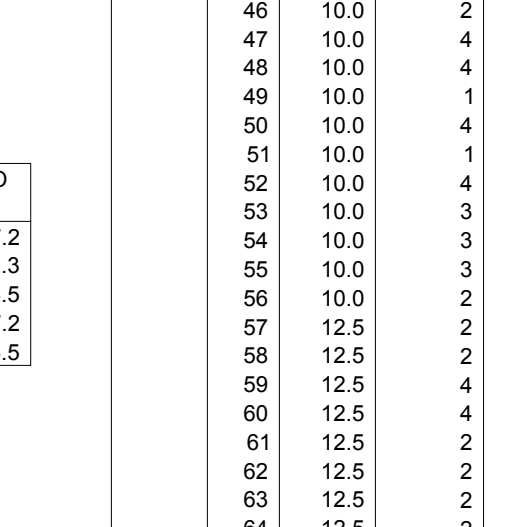
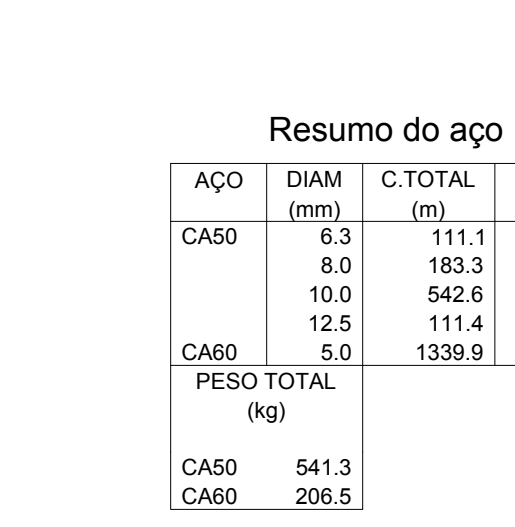
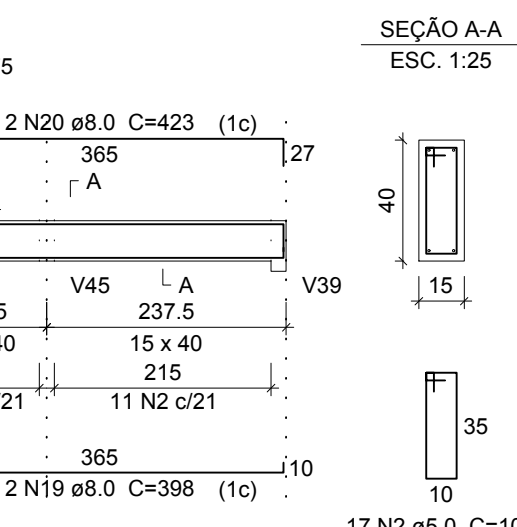
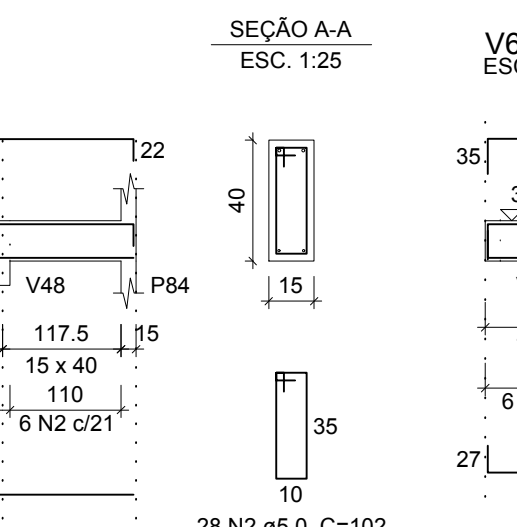
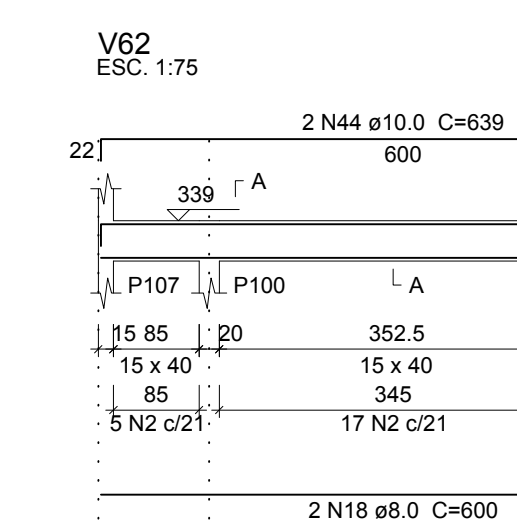
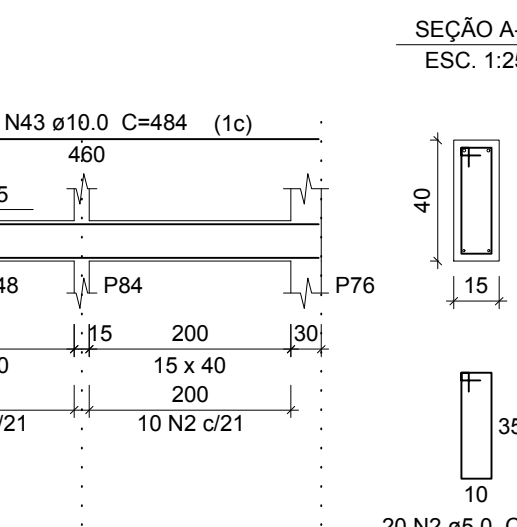
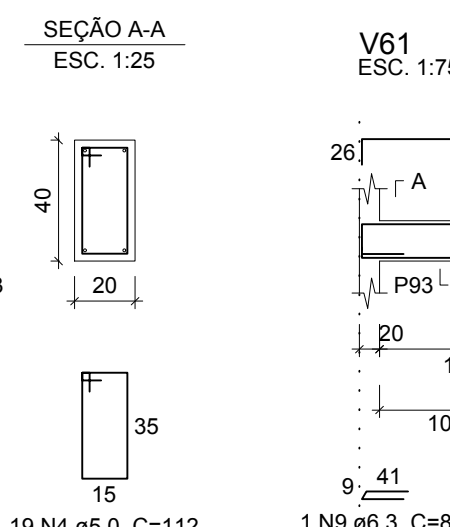
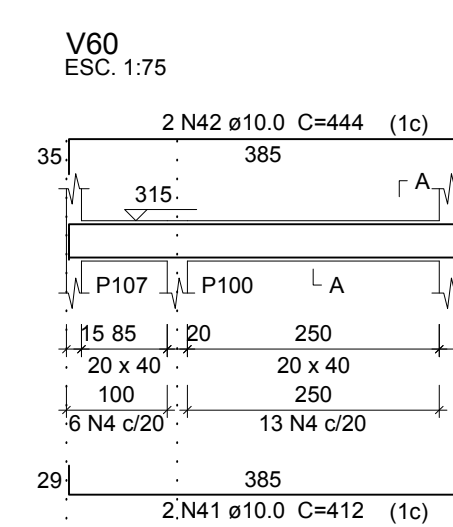
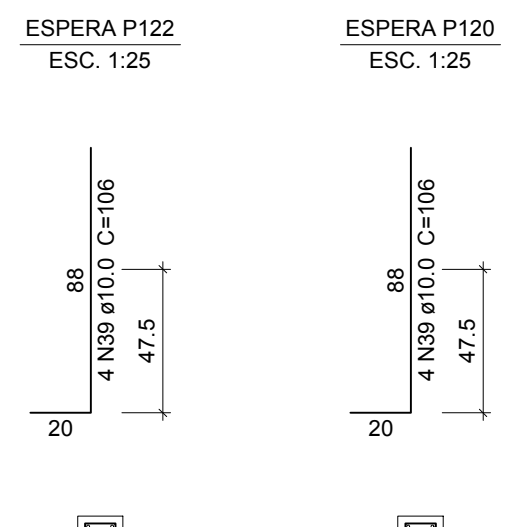
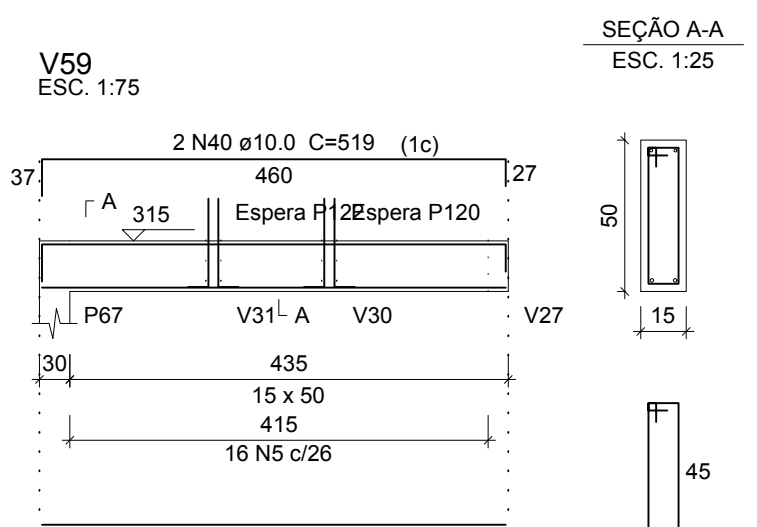
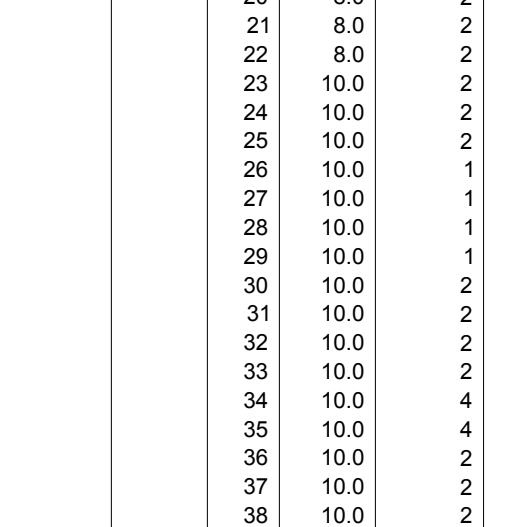
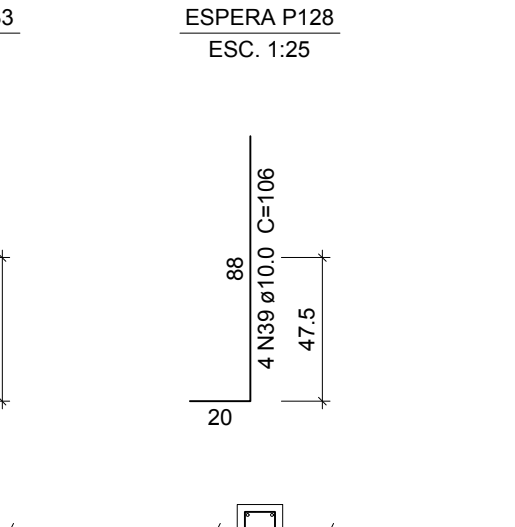
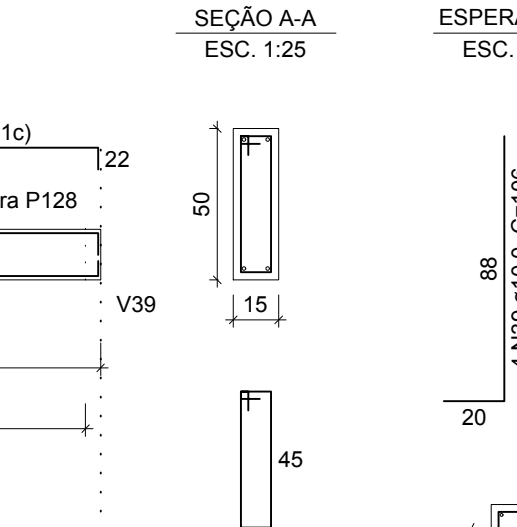
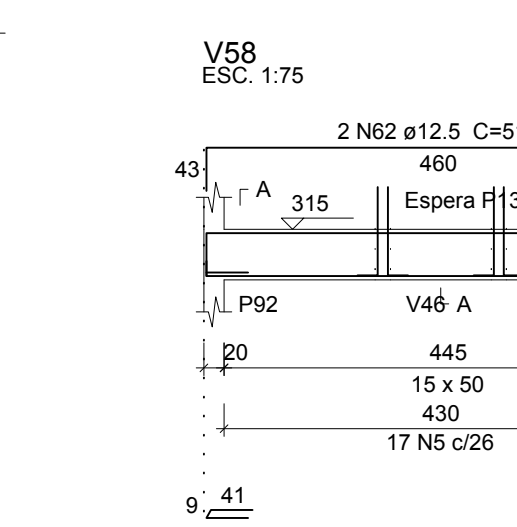
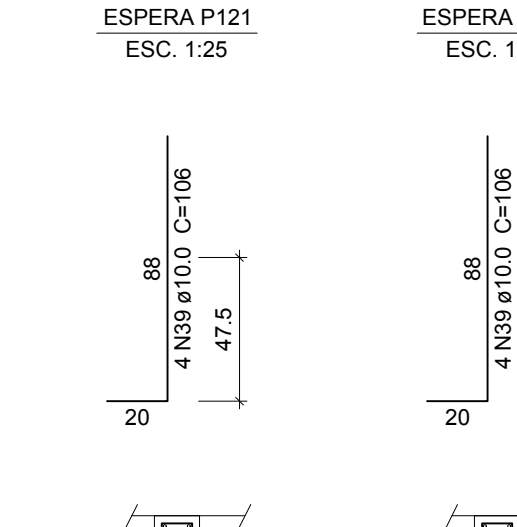
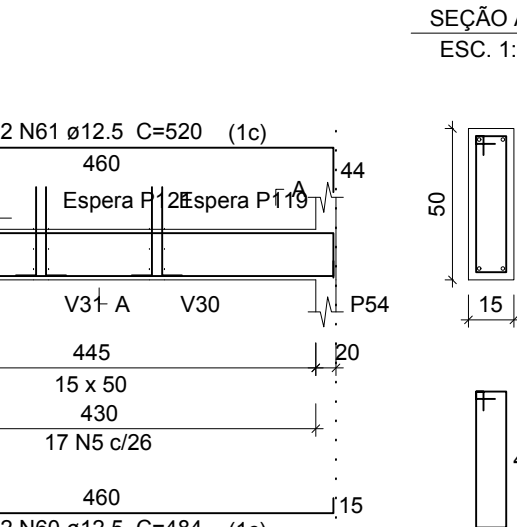
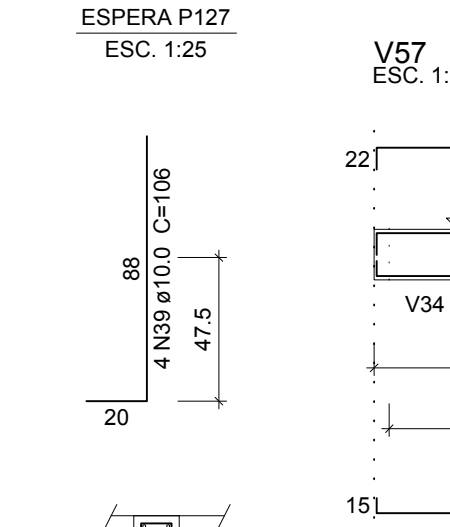
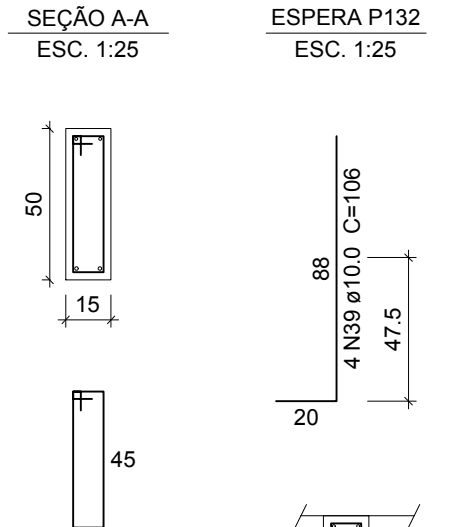
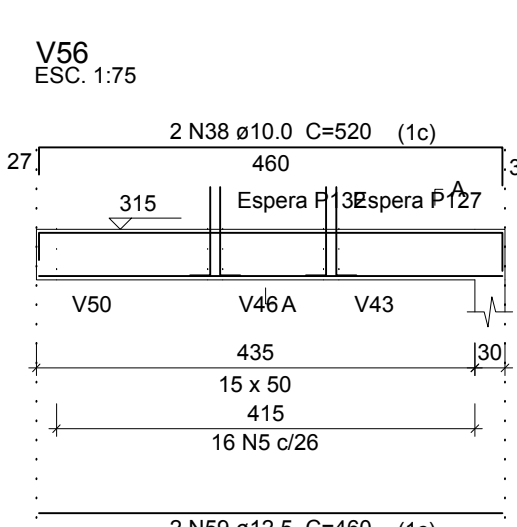
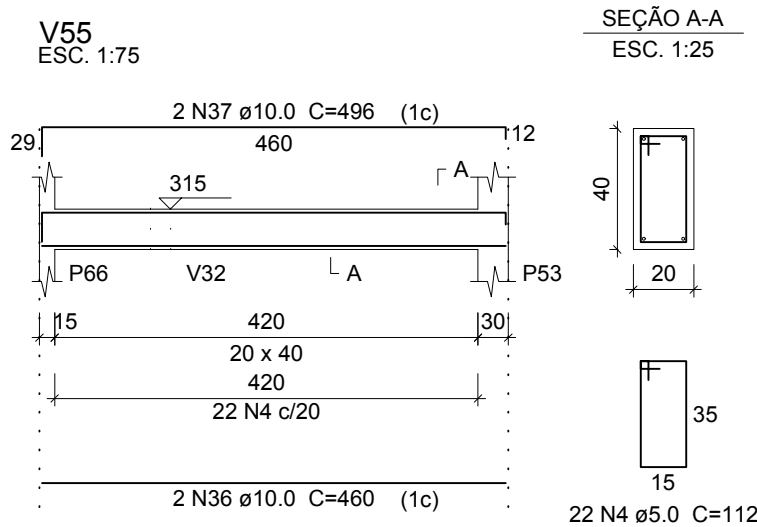


Relação do aço

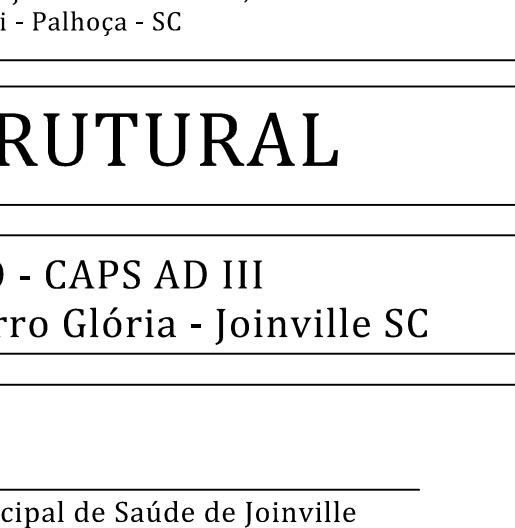
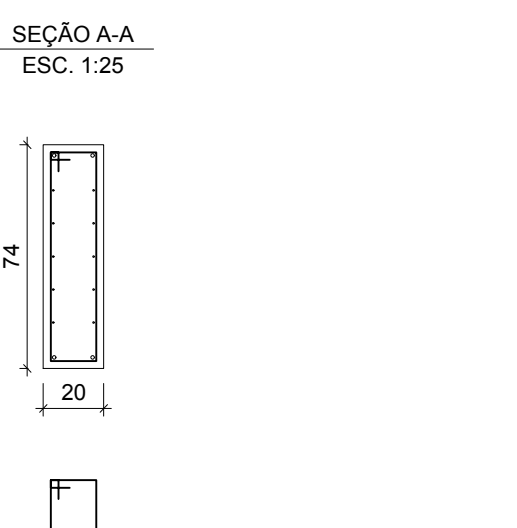
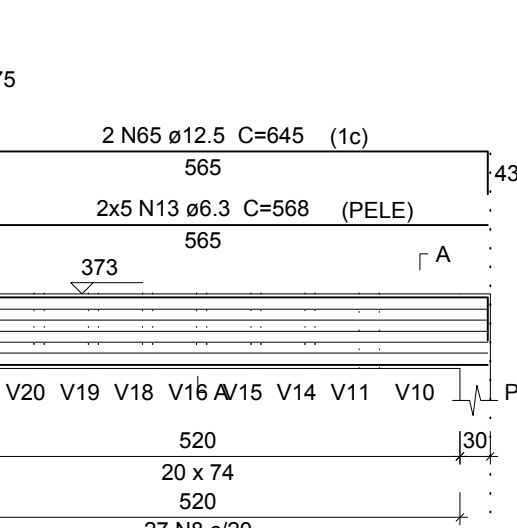
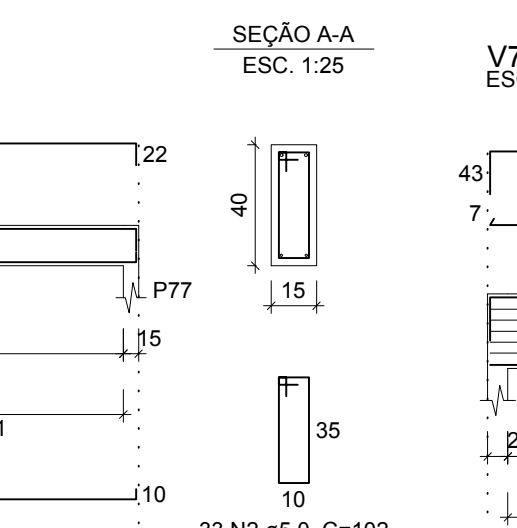
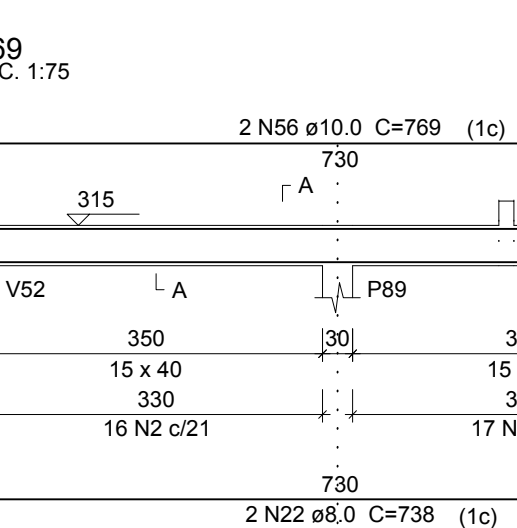
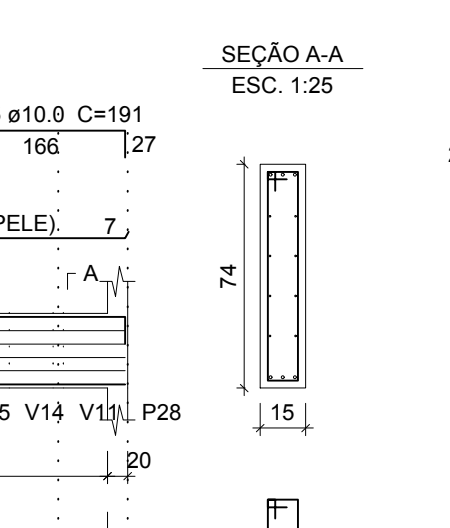
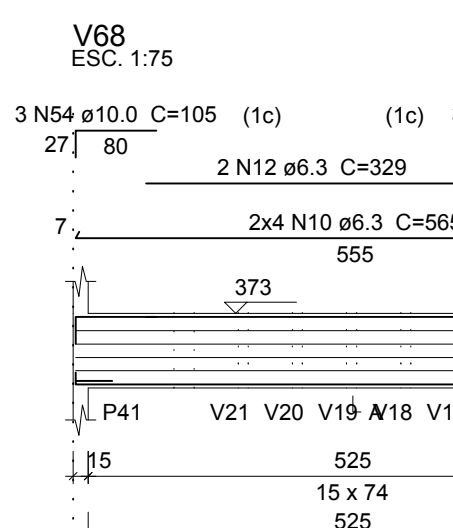
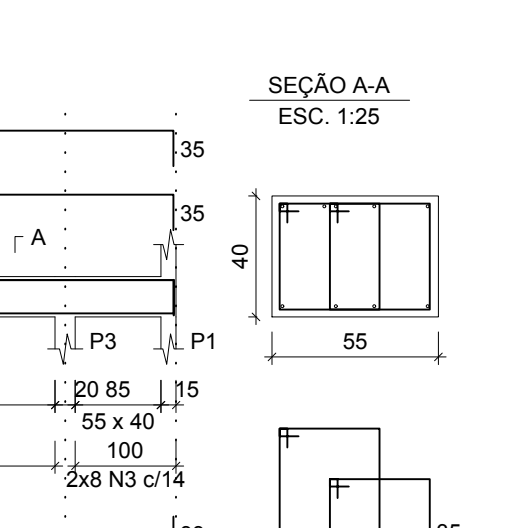
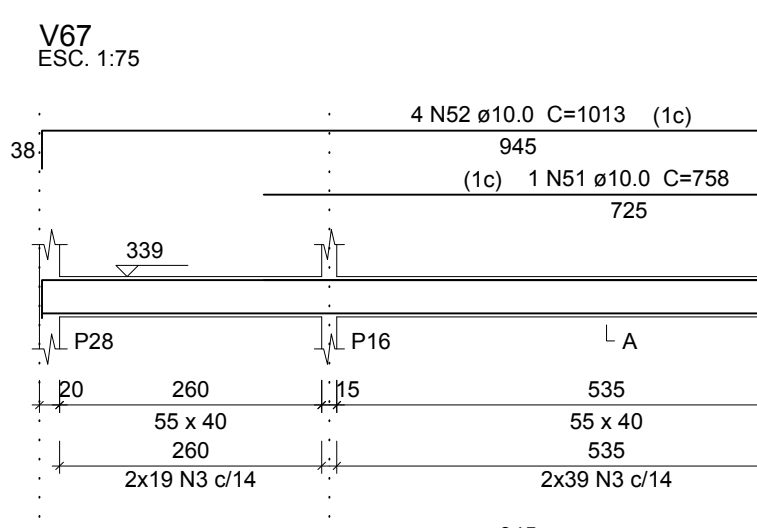
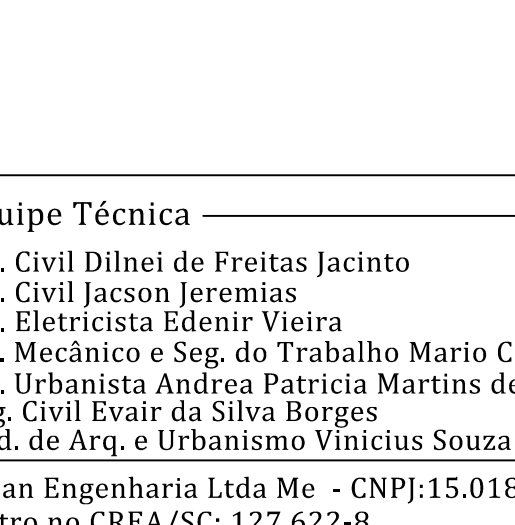
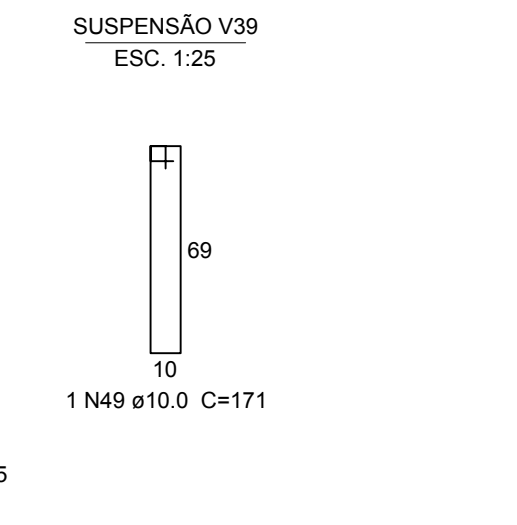
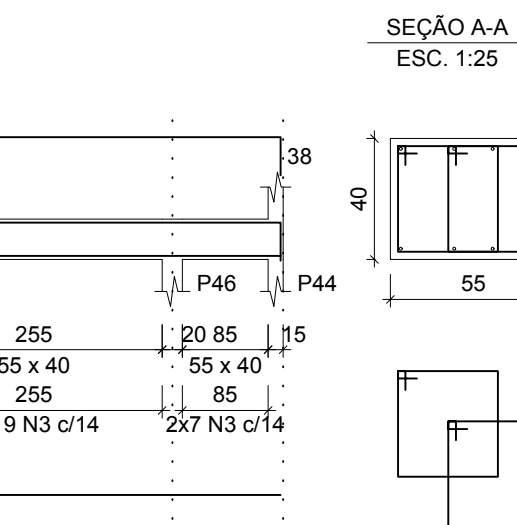
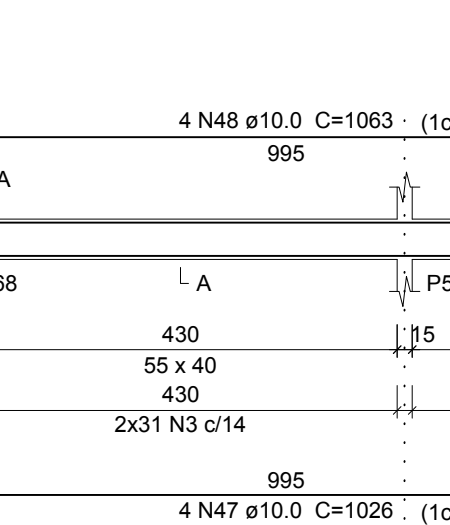
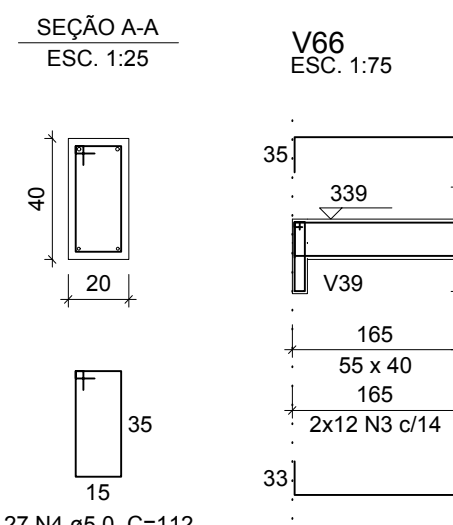
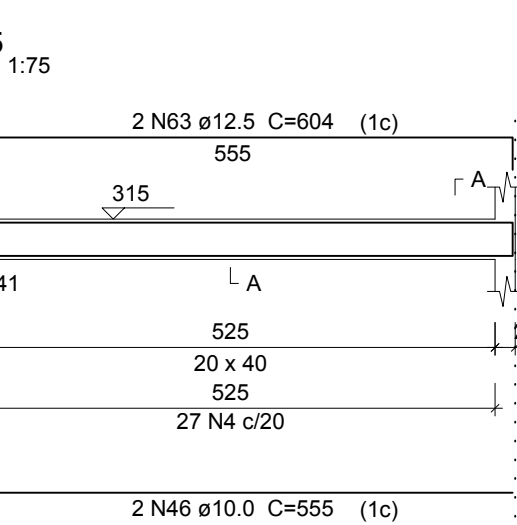
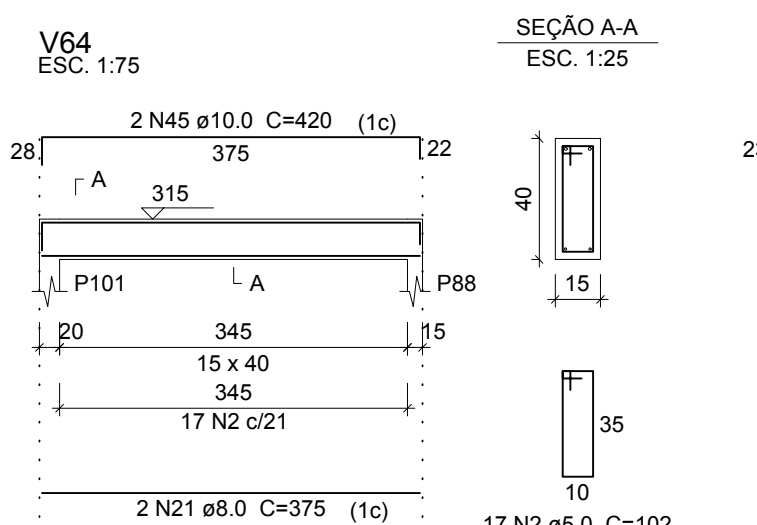
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	292	132	38544
	2	5.0	140	102	14280
	3	5.0	370	148	54760
	4	5.0	68	112	7616
	5	5.0	66	122	8052
	6	5.0	32	72	2304
	7	5.0	21	170	3570
	8	5.0	27	180	4860
	9	6.3	2	87	174
CA50	10	6.3	8	565	4520
	11	6.3	1	77	77
	12	6.3	2	329	658
	13	6.3	10	568	5680
	14	8.0	8	1200	9600
	15	8.0	4	452	1808
	16	8.0	2	458	916
	17	8.0	2	468	936
	18	8.0	2	600	1200
	19	8.0	2	398	796
	20	8.0	2	423	846
	21	8.0	2	375	750
	22	8.0	2	738	1476
	23	10.0	2	683	1366
	24	10.0	2	600	1200
	25	10.0	2	638	1276
	26	10.0	1	658	658
	27	10.0	1	718	718
	28	10.0	1	1045	1045
	29	10.0	1	232	232
	30	10.0	2	1198	2396
	31	10.0	2	1200	2400
	32	10.0	2	555	1110
	33	10.0	2	501	1002
	34	10.0	4	740	2960
	35	10.0	4	811	3244
	36	10.0	2	460	920
	37	10.0	2	496	992
	38	10.0	2	520	1040
	39	10.0	32	106	3392
	40	10.0	2	519	1038
	41	10.0	2	412	824
	42	10.0	2	444	888
	43	10.0	2	484	968
	44	10.0	2	639	1278
	45	10.0	2	420	840
	46	10.0	2	555	1110
	47	10.0	4	1026	4104
	48	10.0	4	1063	4252
	49	10.0	1	171	171
	50	10.0	4	976	3904
	51	10.0	1	758	758
	52	10.0	4	1013	4052
	53	10.0	3	565	1695
	54	10.0	3	105	315
	55	10.0	3	191	573
	56	10.0	2	769	1538
	57	12.5	2	395	790
	58	12.5	2	430	860
	59	12.5	4	460	1840
	60	12.5	4	484	1936
	61	12.5	2	520	1040
	62	12.5	2	519	1038
	63	12.5	2	604	1208
	64	12.5	2	565	1130
	65	12.5	2	645	1290



Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	111.1	27.2
	8.0	183.3	72.3
	10.0	542.6	334.5
	12.5	111.4	107.2
CA60	5.0	1339.9	206.5
PESO TOTAL (kg)			
CA50	541.3		
CA60	206.5		

Volume de concreto (C-25) = 14.46 m³
Área de forma = 152.04 m²



Equipe Técnica

Eng. Civil Dilnei de Freitas Jacinto
Eng. Civil Jackson Jeremias
Eng. Eletricista Edénir Vieira
Arq. Mecânico e Seg. do Trabalho Mario Cesar Osorio
Arq. Urbanista Andrea Patricia Martins de Souza
Eng. Civil Evair da Silva Borges
Acad. de Arq. e Urbanismo Vinicius Souza

E + Plan Engenharia Ltda Me - CNPJ:15.018.870/0001-65
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www.emais.eng.br - contato@emais.eng.br - (48)3093-9350
Rua Najla Carone Goedert, nº 1080 - Sala 411 - Ed. City Office
Paganini - Palhoça - SC

Projeto

ESTRUTURAL

Obra

UNIDADE DE ACOLHIMENTO - CAPS AD III
Rua Brigada Lopes S/N - Bairro Glória - 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

Jackson Jeremias
Engenheiro Civil
Crea/SC:125.007-9

Conteúdo

Detalhamento das Vigas da Cobertura e Pilares.

Ref. JOI-02

Data

FEV/2017

Área

1055,86 m²

Escala

INDICADA

Folha

18/37

PROIBIDO CÓPIA OU REPRODUÇÃO DO PROJETO SEM PRÉVIA AUTORIZAÇÃO.
DIREITOS AUTORAIS RESERVADOS PELA LEI Nº 9.610-98