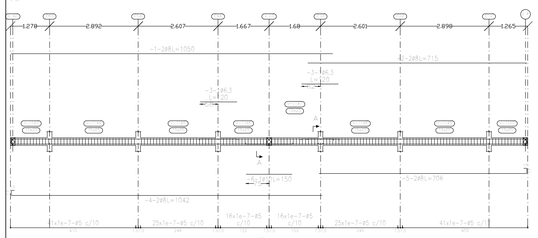
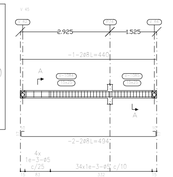
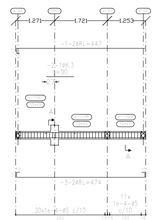
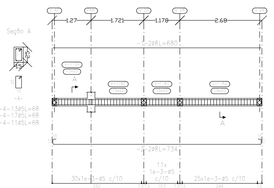
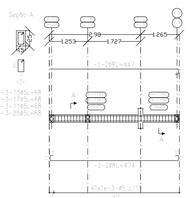
Térreo
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:100
Escala seções 1:50
Escala aberturas 1:50

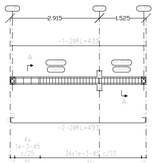


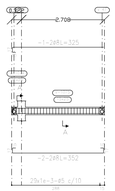


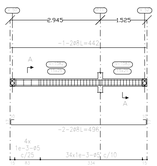


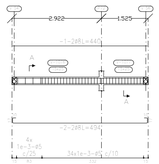


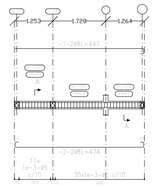


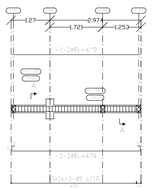


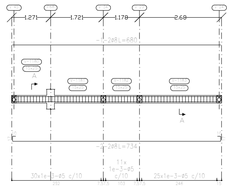


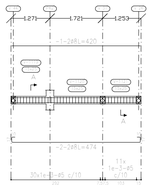


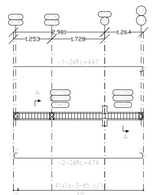


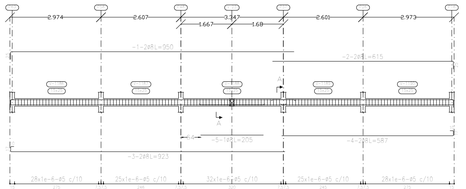


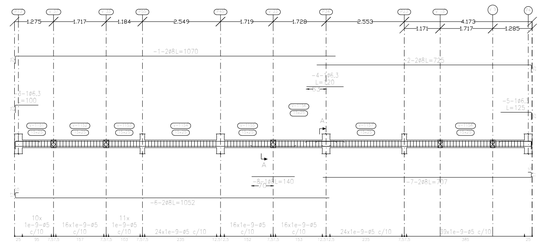


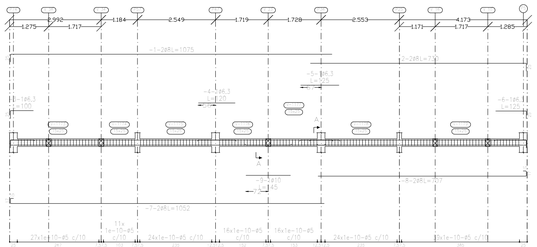




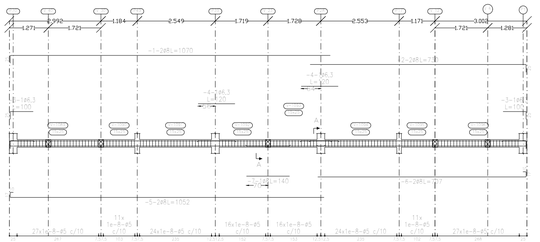


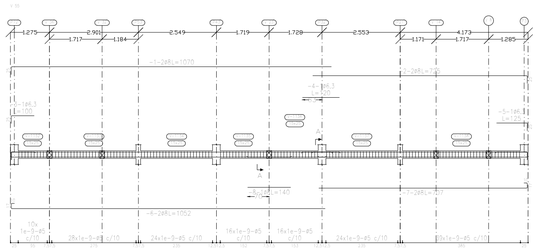


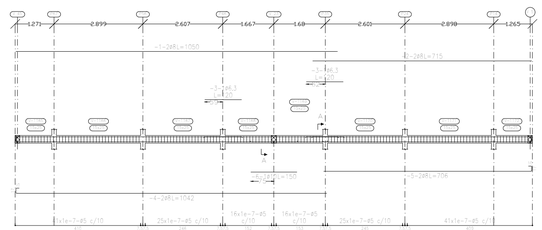


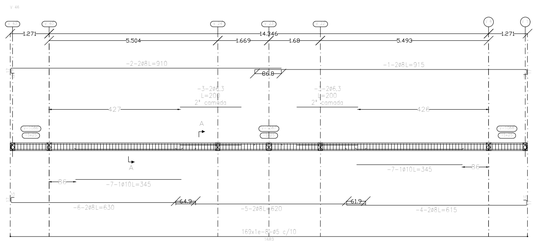


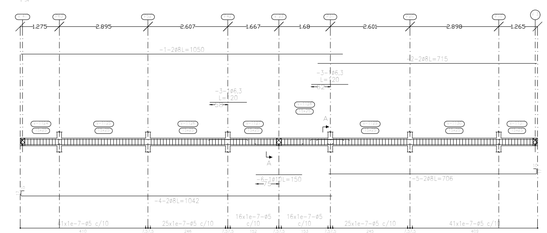
Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	ø6,3	58,6	16	
	ø8	2148,6	933	
	ø10	17,0	11	960
CA-60	ø5	3162,0	546	546
Total				1506

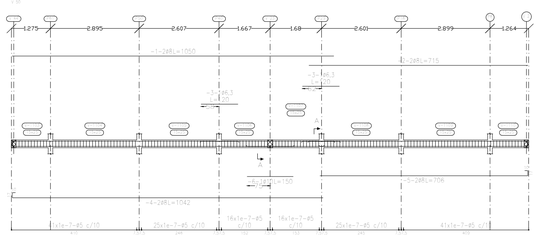


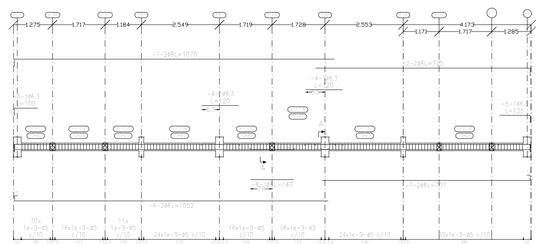












Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V. 63	1	ø8	2	1065	1075	2150	8,5	
	2	ø8	2	725	730	1460	5,8	
	3	ø6,3	1	100	100	100	0,2	
	4	ø6,3	1	120	120	120	0,3	
	5	ø6,3	1	125	125	125	0,3	
	6	ø6,3	1	125	125	125	0,3	
	7	ø8	2	1052	1052	2104	8,3	
	8	ø8	2	880	707	1414	5,6	
	9	ø10	1	145	145	145	0,9	
	10	ø5	157	68	68	10676		16,8
					Total+10%:		33,2	18,5
V. 64	1	ø8	2	680	680	1360	5,4	
	2	ø8	2	680	734	1468	5,8	
	3	ø5	66	68	68	4488		7,0
					Total+10%:		12,3	7,7
V. 58	1	ø8	2	1050	1050	2100	8,3	
	2	ø8	2	715	715	1430	5,6	
	3	ø6,3	2	120	120	240	0,6	
	4	ø8	2	1043	1042	2084	8,2	
	5	ø8	2	870	706	1412	5,6	
	6	ø10	1	150	150	150	0,9	
	7	ø5	164	68	68	11152		17,5
					Total+10%:		32,1	19,3
V. 61=V. 65	1	ø8	2	440	447	894	3,5	
	2	ø8	2	520	474	948	3,7	
	3	ø5	41	68	68	2788		4,4
					Total+10%:		7,9	4,8
					(x2):		15,8	9,6
V. 60	1	ø8	2	680	680	1360	5,4	
	2	ø8	2	680	734	1468	5,8	
	3	ø5	66	68	68	4488		7,0
					Total+10%:		12,3	7,7
V. 56	1	ø8	2	415	419	838	3,3	
	2	ø8	2	415	474	948	3,7	
	3	ø5	41	68	68	2788		4,4
					Total+10%:		7,7	4,8
V. 66	1	ø8	2	925	950	1900	7,5	
	2	ø8	2	610	615	1230	4,9	
	3	ø8	2	898	923	1846	7,3	
	4	ø8	2	560	587	1174	4,6	
	5	ø8	1	205	205	205	0,8	
	6	ø5	138	68	68	9384		14,7
					Total+10%:		27,6	16,2
V. 59	1	ø8	2	1065	1070	2140	8,4	
	2	ø8	2	720	725	1450	5,7	
	3	ø6,3	1	100	100	100	0,2	
	4	ø6,3	1	120	120	120	0,3	
	5	ø6,3	1	125	125	125	0,3	
	6	ø8	2	1052	1052	2104	8,3	
	7	ø8	2	880	707	1414	5,6	
	8	ø8	1	140	140	140	0,6	
	9	ø5	156	68	68	10608		16,7
					Total+10%:		32,3	18,4
V. 62	1	ø8	2	1050	1050	2100	8,3	
	2	ø8	2	715	715	1430	5,6	
	3	ø6,3	2	120	120	240	0,6	
	4	ø8	2	1043	1042	2084	8,2	
	5	ø8	2	870	706	1412	5,6	
	6	ø10	1	150	150	150	0,9	
	7	ø5	164	68	68	11152		17,5
					Total+10%:		32,1	19,3
V. 55	1	ø8	2	1065	1070	2140	8,4	
	2	ø8	2	720	725	1450	5,7	
	3	ø6,3	1	100	100	100	0,2	
	4	ø6,3	1	120	120	120	0,3	
	5	ø6,3	1	125	125	125	0,3	
	6	ø8	2	1052	1052	2104	8,3	
	7	ø8	2	880	707	1414	5,6	
	8	ø8	1	140	140	140	0,6	
	9	ø5	157	68	68	10676		16,8
					Total+10%:		32,3	18,5
					ø5:	0,0		280,6
					ø6,3:	10,0	0,0	
					ø8:	464,5	0,0	
					ø10:	9,8	0,0	
					Total:	484,3		280,6

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V. 40	1	ø8	2	320	325	650	2,6	
	2	ø8	2	348	352	704	2,8	
	3	ø5	29	68	68	1972		3,1
					Total+10%:		5,9	3,4
V. 41	1	ø8	2	445	440	880	3,5	
	2	ø8	2	440	494	988	3,9	
	3	ø5	38	68	68	2584		4,1
					Total+10%:		8,1	4,5
V. 42	1	ø8	2	439	439	878	3,5	
	2	ø8	2	439	493	986	3,9	
	3	ø5	38	68	68	2584		4,1
					Total+10%:		8,1	4,5
V. 44	1	ø8	2	442	442	884	3,5	
	2	ø8	2	442	496	992	3,9	
	3	ø5	38	68	68	2584		4,1
					Total+10%:		8,1	4,5
V. 45	1	ø8	2	440	440	880	3,5	
	2	ø8	2	442	494	988	3,9	
	3	ø5	38	68	68	2584		4,1
					Total+10%:		8,1	4,5
V. 46	1	ø8	2	458	915	1830	7,2	
	2	ø8	2	455	910	1820	7,2	
	3	ø6,3	4	100	200	800	2,0	
	4	ø8	2	608	615	1230	4,9	
	5	ø8	2	620	620	1240	4,9	
	6	ø8	2	630	630	1260	5,0	
	7	ø10	2	345	345	690	4,3	
	8	ø5	169	68	68	11492		18,0
					Total+10%:		39,1	19,8
V. 47	1	ø8	2	1065	1070	2140	8,4	
	2	ø8	2	725	730	1460	5,8	
	3	ø6,3	2	100	100	200	0,5	
	4	ø6,3	2	120	120	240	0,6	
	5	ø8	2	1052	1052	2104	8,3	
	6	ø8	2	880	707	1414	5,6	
	7	ø8	1	140	140	140	0,6	
	8	ø5	156	68	68	10608		16,7
					Total+10%:		32,8	18,4
V. 48	1	ø8	2	445	447	894	3,5	
	2	ø6,3	1	90	90	90	0,2	
	3	ø8	2	520	474	948	3,7	
	4	ø5	41	68	68	2788		4,4
					Total+10%:		8,1	4,8
V. 49	1	ø8	2	445	447	894	3,5	
	2	ø8	2	520	474	948	3,7	
	3	ø5	41	68	68	2788		4,4
					Total+10%:		7,9	4,8
V. 50	1	ø8	2	1050	1050	2100	8,3	
	2	ø8	2	715	715	1430	5,6	
	3	ø6,3	2	120	120	240	0,6	
	4	ø8	2	1043	1042	2084	8,2	
	5	ø8	2	870	706	1412	5,6	
	6	ø10	1	150	150	150	0,9	
	7	ø5	164	68	68	11152		17,5
					Total+10%:		32,1	19,3
V. 51	1	ø8	2	1065	1070	2140	8,4	
	2	ø8	2	720	725	1450	5,7	
	3	ø6,3	1	100	100	100	0,2	
	4	ø6,3	2	120	120	240	0,6	
	5	ø6,3	1	125	125	125	0,3	
	6	ø8	2	1052	1052	2104	8,3	
	7	ø8	2	880	707	1414	5,6	
	8	ø8	1	140	140	140	0,6	
	9	ø5	156	68	68	10608		16,7
					Total+10%:		32,7	18,4
V. 52	1	ø8	2	420	420	840	3,3	
	2	ø8	2	520	474	948	3,7	
	3	ø5	41	68	68	2788		4,4
					Total+10%:		7,7	4,8
V. 53=V. 57	1	ø8	2	440	447	894	3,5	
	2	ø8	2	520	474	948	3,7	
	3	ø5	41	68	68	2788		4,4
					Total+10%:		7,9	4,8
					(x2):		15,8	9,6
V. 54	1	ø8	2	1065	1050	2100	8,3	
	2	ø8	2	715	715	1430	5,6	
	3	ø6,3	2	120	120	240	0,6	
	4	ø8	2	1043	1042	2084	8,2	
	5	ø8	2	870	706	1412	5,6	
	6	ø10	1	150	150	150	0,9	
	7	ø5	164	68	68	11152		17,5
					Total+10%:		32,1	19,3

Residencial Morada Cidadã

Data: 10/10/2024

Local: Residencial Morada Cidadã

Promotor: Prefeitura Municipal de Campos de Júlio

Projeto Estrutural

Escala: Indicada

Número de desenho: 04/06

Vigas Térreo 02

Eduardo Rampanelli Tosetto
Engenheiro Civil
Número do CREA: 1220503037

Data: 17/06/2025