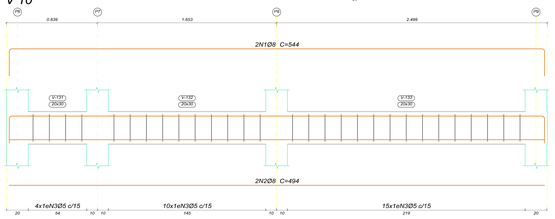
Vigas Baldrame
Concreto: C25, em geral
Escala: 1:50

Detalhamento da armadura das Vigas Baldrame - Armadura Logitidunal e Transversal

V 10



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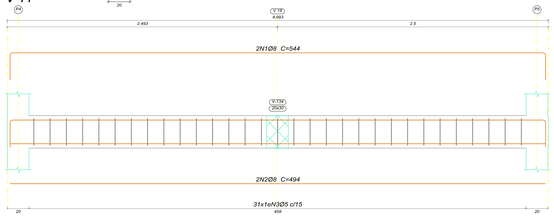
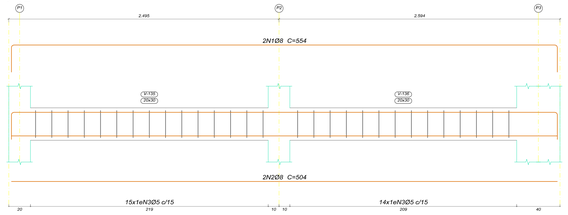
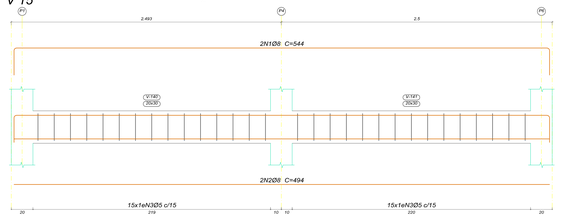


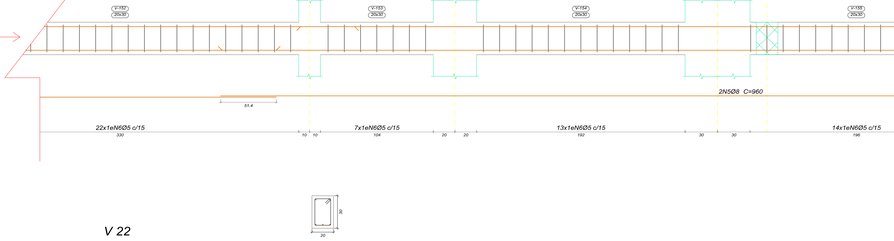
V 12



V 15



V 13



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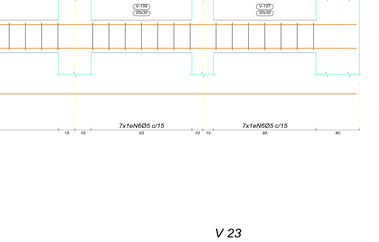

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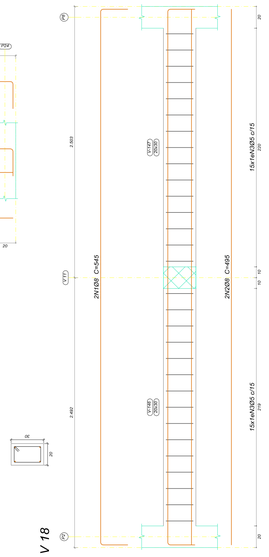
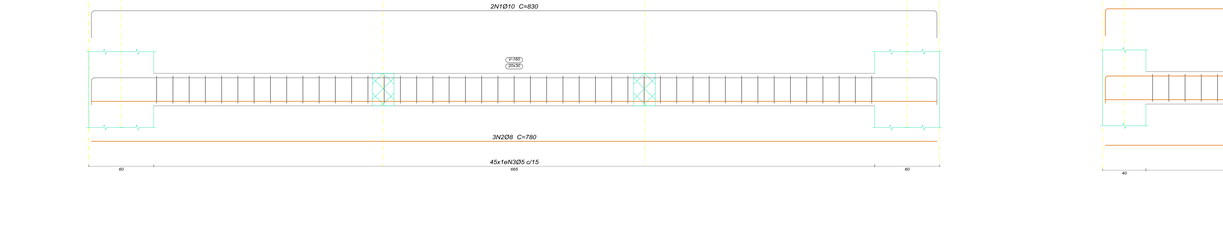
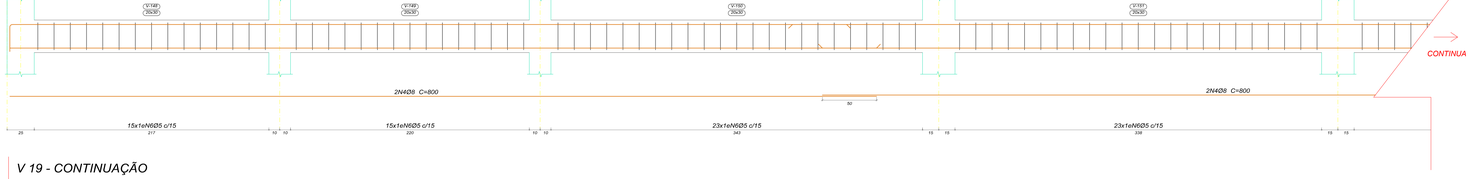


V 17



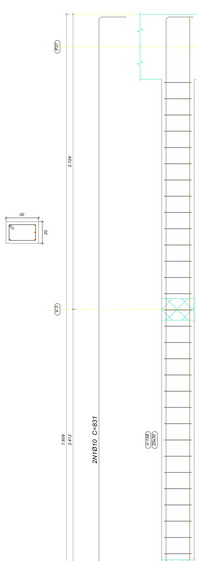
V 19



CONTINUA

V 19 - CONTINUAÇÃO

V 20



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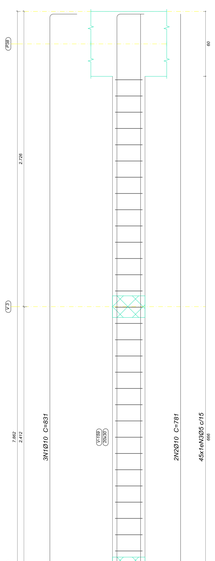
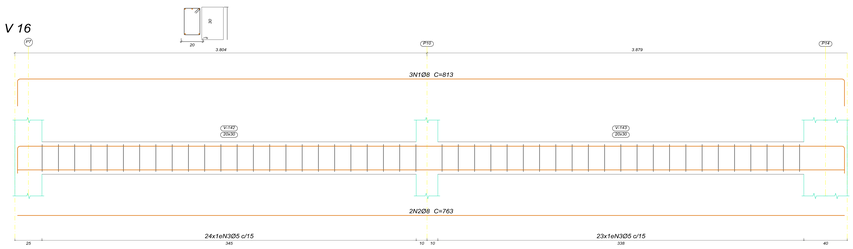
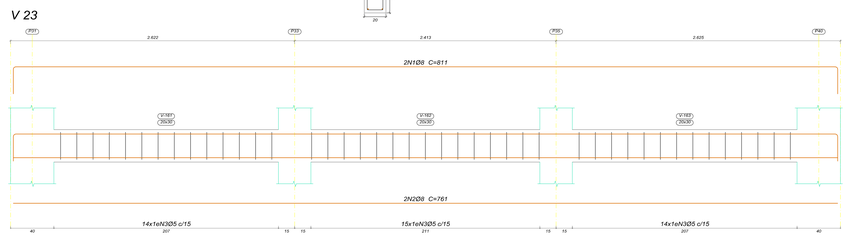


V 16



V 22

V 23



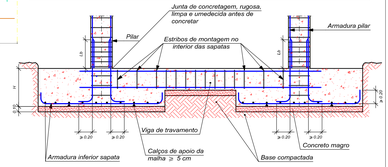
Resumo de Aço em Vigas Baldrame

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 10	1	Ø8	2	45# 15	544	1088	4.3	
	2	Ø8	2	49# 15	494	988	3.9	
	3	Ø5	29	20 5 12	88	2552		4.0
				Total+10%			9.0	4.4
V 11	1	Ø8	2	45# 15	544	1088	4.3	
	2	Ø8	2	49# 15	494	988	3.9	
	3	Ø5	31	20 5 12	88	2728		4.3
				Total+10%			9.0	4.7
V 12	1	Ø8	2	50# 15	554	1108	4.4	
	2	Ø8	2	50# 15	504	1008	4.0	
	3	Ø5	29	20 5 12	88	2552		4.0
				Total+10%			9.2	4.4
V 13	1	Ø8	3	79# 15	848	2544	10.0	
	2	Ø8	3	79# 15	798	2394	9.5	
	3	Ø5	50	20 5 12	88	4400		6.9
				Total+10%			21.5	7.6
V 14	1	Ø8	2	32# 15	379	758	3.0	
	2	Ø8	2	32# 15	329	658	2.6	
	3	Ø5	20	20 5 12	88	1760		2.8
				Total+10%			6.2	3.1
V 15	1	Ø8	2	45# 15	544	1088	4.3	
	2	Ø8	2	49# 15	494	988	3.9	
	3	Ø5	30	20 5 12	88	2640		4.1
				Total+10%			9.0	4.5
V 16	1	Ø8	3	76# 15	813	2439	9.6	
	2	Ø8	2	76# 15	763	1526	6.0	
	3	Ø5	47	20 5 12	88	4136		6.5
				Total+10%			17.2	7.2
V 17	1	Ø8	2	110# 15	1156	2312	9.1	
	2	Ø8	2	110# 15	1106	2212	8.7	
	3	Ø5	71	20 5 12	88	6248		9.8
				Total+10%			19.7	10.8
V 18	1	Ø8	2	49# 15	545	1090	4.3	
	2	Ø8	2	49# 15	495	990	3.9	
	3	Ø5	30	20 5 12	88	2640		4.1
				Total+10%			9.0	4.5
V 19	1	Ø8	3	77# 15	800	2400	9.5	
	2	Ø8	3	90# 15	900	2700	10.7	
	3	Ø8	3	89# 15	890	2670	10.5	
	4	Ø8	4	80# 15	800	3200	12.6	
	5	Ø8	2	96# 15	960	1920	7.6	
	6	Ø5	146	20 5 12	88	12848		20.2
				Total+10%			55.6	22.2
V 20	1	Ø10	2	78# 15	831	1662	11.5	
	2	Ø8	3	78# 15	781	2343	10.2	
	3	Ø5	45	20 5 12	88	3960		6.2
				Total+10%			21.7	6.8
V 21	1	Ø10	3	78# 15	831	2493	15.4	
	2	Ø10	2	78# 15	781	1562	9.6	
	3	Ø5	45	20 5 12	88	3960		6.2
				Total+10%			28.1	6.8
V 22	1	Ø10	2	78# 15	830	1660	11.5	
	2	Ø8	3	78# 15	780	2340	10.2	
	3	Ø5	45	20 5 12	88	3960		6.2
				Total+10%			21.7	6.8
V 23	1	Ø8	2	76# 15	811	1622	6.4	
	2	Ø8	2	76# 15	761	1522	6.0	
	3	Ø5	43	20 5 12	88	3784		5.9
				Total+10%			13.7	6.5
				Ø5:			0.0	94.2
				Ø8:			199.5	0.0
				Ø10:			51.1	0.0
				Total:			250.6	94.2

QUADRO DE RESUMO GERAL DE AÇO - VIGAS BALDRAME

Resumo Aço / Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø8	882.1	383	
	Ø10	126.1	87	470
CA-60	Ø5	1099.1	190	190
Total				660

Detalhe Genérico Viga de travamento entre sapatas.



Obs.: As Vigas Baldrames poderão ser executadas de forma escavadas no solo, adentrando ao interior da sapata conforme o Detalhamento acima, ou poderá ser executada apoiada no solo, utilizando-se de fôrmas nas laterais, ficando acima da sapata. As duas formas são eficazes no travamento dos pilares, ficando a cargo do executor.

Projeto: Rev.: 11.2022	Centro de Treinamento Banco Municipal de Alimentos	Data: 23/11/2022
Local:	Rua Nossa Senhora da Abadia, Nº 574 - Fundos, Palmeiras, Formiga - MG	
PROJETO ESTRUTURAL - Centro de Treinamento Banco Municipal de Alimentos VIGAS BALDRAME - Locação, detalhamento, quadro de armaduras e quantitativo. PARTE 2		Escala: 1:50
R.T.: Heylor Marcos Silva Pimenta Engenheiro Civil Engenheiro de Produção Engenheiro de Segurança do Trabalho CREA/MG: 138615	Proprietário: EUGENIO VILELA JUNIOR:79918349653 Prefeitura Municipal de Formiga CNPJ: 18.784.730/0001-28	Prancha: 05/09