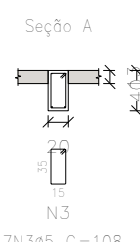
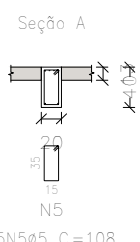
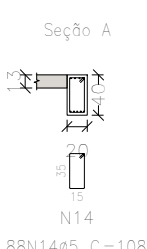
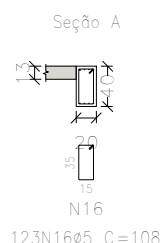


































































Cobertura
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:75
Escala seções 1:75
Escala aberturas 1:75



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 37	1	ø6,3	4		100	400	1,0	
	2	ø6,3	4		370	1480	3,6	
	3	ø6,3	4		195	780	1,9	
	4	ø5	2		165	330		0,5
	5	ø5	2		340	680		1,1
	6	ø10	2		125	250	1,5	
	7	ø6,3	2		977	1954	4,8	
	8	ø6,3	2		525	1050	2,6	
	9	ø5	47		108	5076		8,0
Total+5%:							16,2	10,1
V 39	1	ø6,3	4		200	800	2,0	
	2	ø6,3	4		475	1900	4,7	
	3	ø6,3	4		205	820	2,0	
	4	ø6,3	6		270	2160	5,3	
	5	ø6,3	1		460	460	1,1	
	6	ø5	2		205	410		0,6
	7	ø5	2		140	280		0,4
	8	ø5	2		155	310		0,5
	9	ø5	2		125	250		0,4
	10	ø5	2		170	340		0,5
	11	ø8	2		490	980	3,9	
	12	ø6,3	2		1057	2114	5,2	
	13	ø6,3	2		1085	2170	5,3	
	14	ø6,3	2		402	804	2,0	
	15	ø6,3	2		90	180	0,4	
	16	ø6,3	2		280	520	1,3	
	17	ø6,3	2		575	1150	2,8	
	18	ø6,3	2		280	560	1,4	
	19	ø6,3	2		415	830	2,0	
	20	ø5	112		108	12096		19,0
Total+5%:							41,4	22,5
V 40	1	ø6,3	2		125	250	0,6	
	2	ø6,3	4		290	1160	2,8	
	3	ø6,3	1		390	390	1,0	
	4	ø6,3	4		402	1608	3,9	
	5	ø6,3	2		160	320	0,8	
	6	ø5	2		140	280		0,4
	7	ø5	2		340	680		1,1
	8	ø10	2		480	960	5,9	
	9	ø5	2		785	1570		2,5
	10	ø6,3	2		905	1810	4,4	
	11	ø6,3	2		880	1760	4,3	
	12	ø6,3	2		805	1610	3,9	
	13	ø6,3	2		250	500	1,2	
	14	ø6,3	2		445	890	2,2	
	15	ø6,3	2		1150	2300	5,6	
	16	ø5	123		108	13284		20,9
Total+5%:							58,4	26,1
V 41	1	ø8	2		220	440	1,7	
	2	ø8	1		470	470	1,9	
	3	ø10	2		480	960	5,9	
	4	ø5	2		320	640		1,0
	5	ø12,5	2		565	1130	10,9	
	6	ø5	2		580	1160		1,8
	7	ø6,3	2		327	654	1,6	
	8	ø8	2		632	1264	5,0	
	9	ø6,3	2		232	464	1,1	
	10	ø10	2		807	1614	9,9	
	11	ø8	2		440	880	3,5	
	12	ø10	1		360	360	2,2	
	13	ø10	1		450	450	2,8	
	14	ø5	88		108	9504		14,9
Total+5%:							48,8	18,6
V 42=V 44	1	ø6,3	4		110	440	1,1	
	2	ø6,3	4		105	420	1,0	
	3	ø5	2		215	430		0,7
	4	ø10	2		382	764	4,7	
	5	ø5	15		108	1620		2,5
Total+5% (x2):							7,1	3,4
V 43	1	ø5	2		332	664		1,0
	2	ø10	2		382	764	4,7	
	3	ø5	17		108	1836		2,9
Total+5%:							4,9	4,1
ø5:							0,0	88,2
ø6,3:							91,3	0,0
ø8:							16,8	0,0
ø10:							44,3	0,0
ø12,5:							11,5	0,0
Total:							163,9	88,2

	<p align="center">PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO DEPARTAMENTO DE ENGENHARIA</p> <p align="center">Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio Fone: 0xx65-3387-2800</p>		
<p>Obra:</p> <p align="center">Centro de Convivência dos Idosos</p>		<p>Área Total: 1260,00 m² Área Coberta: 722,26 m² Área Permeável: 537,74 m²</p>	
<p align="center">Prefeitura Municipal de Campos de Júlio</p>		<p align="right">Resp. Técnico:</p> <p align="right">EDUARDO RAMPANELLI TOSETTO CREA - 1220503037</p>	
<p>Local: CCI - Centro de Convivência dos Idosos</p>			
<p>Conteúdo: Projeto Estrutural</p>		<p>Escalas: Indicadas</p>	
<p>Data: 04/04/2023</p>	<p>Desenho:</p>	<p>Folha: 18/19</p>	