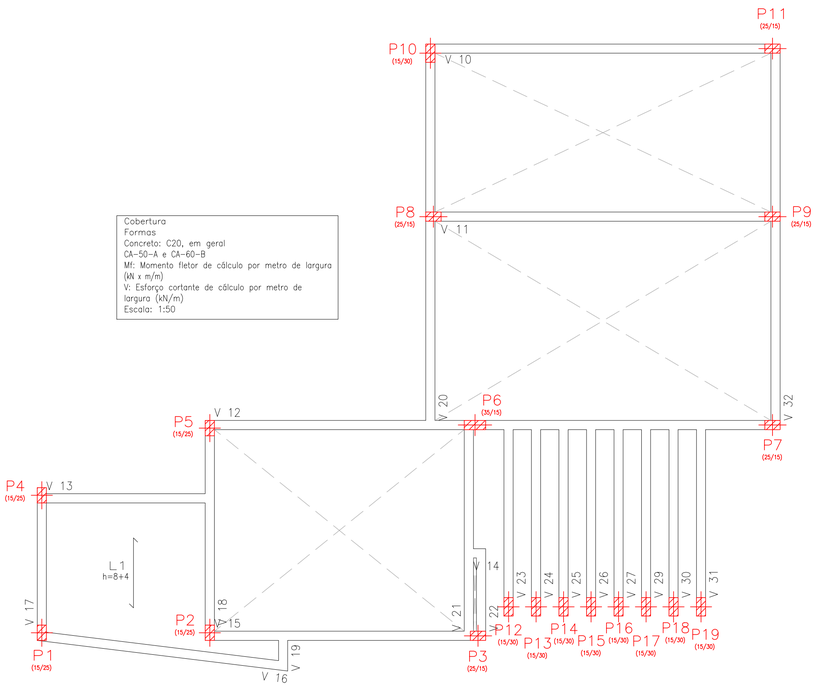
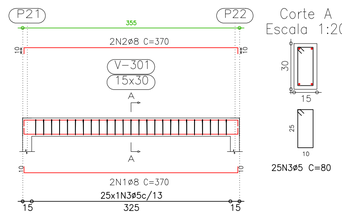
Cobertura - Superfície total: 24.05 m2			
Elemento	Formas (m2)	Volume (m3)	Barras (kg)
LAJES	6.23	0.43	5
Vigas: fundo	16.96	6.71	350
Forma lateral	79.75		
Pilares (Sup. Formas)	46.00	2.20	350
Total	148.94	9.34	705
Índices (por m2)	6.193	0.388	29.31

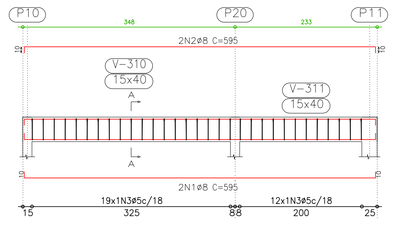


Cobertura
Formas
Concreto: C20, em geral
CA-50-A e CA-60-B
Mf: Momento fletor de cálculo por metro de largura (kN x m/m)
V: Esforço cortante de cálculo por metro de largura (kN/m)
Escala: 1:50

V 1
Escala 1:50



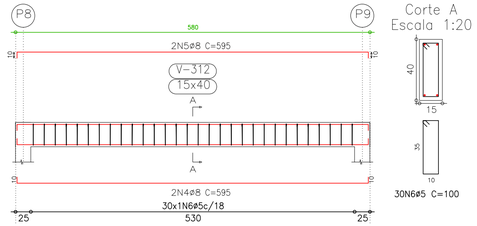
V 10
Escala 1:50



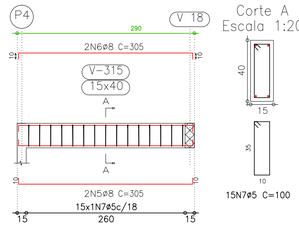
Cobertura
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

Resumo Aço Cobertura Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	15.5	4	
	ø8	487.7	211	
	ø10	24.2	17	232
CA-60-B	ø5	691.4	119	119
Total				351

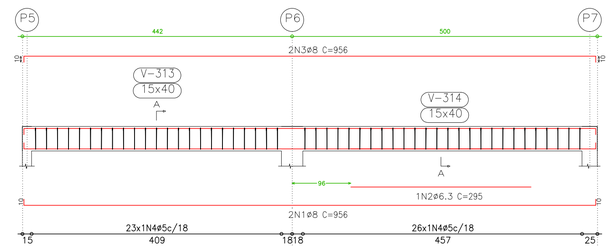
V 11
Escala 1:50



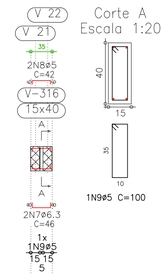
V 13
Escala 1:50



V 12
Escala 1:50

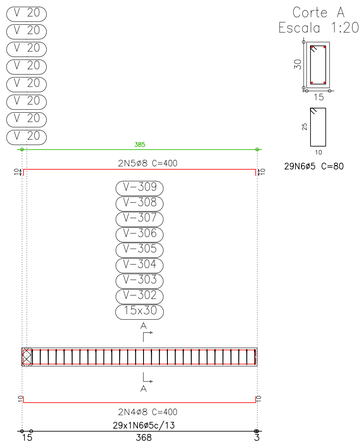


V 14
Escala 1:50

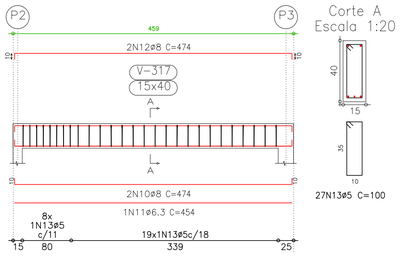


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	ø8	2	10	350	10	370	740	2.9	
	2	ø8	2	10	350	10	370	740	2.9	
	3	ø5	25				80	2000		3.1
								Total+10%:	6.4	3.4
V 2=V 3=V 4=V 5=V 6 V 7=V 8=V 9	4	ø8	2	10	380	10	400	800	3.1	
	5	ø8	2	10	380	10	400	800	3.1	
	6	ø5	29				80	2320		3.6
								Total+10%:	6.8	4.0
								(x8):	54.4	32.0
V 10	1	ø8	2	10	575	10	595	1190	4.7	
	2	ø8	2	10	575	10	595	1190	4.7	
	3	ø5	31				100	3100		4.9
								Total+10%:	10.3	5.4
V 11	4	ø8	2	10	575	10	595	1190	4.7	
	5	ø8	2	10	575	10	595	1190	4.7	
	6	ø5	30				100	3000		4.7
								Total+10%:	10.3	5.2
V 12	1	ø8	2	10	936	10	956	1912	7.5	
	2	ø6.3	1		295		295	295	0.7	
	3	ø8	2	10	936	10	956	1912	7.5	
	4	ø5	49				100	4900		7.7
								Total+10%:	17.3	8.5
V 13	5	ø8	2	10	285	10	305	610	2.4	
	6	ø8	2	10	285	10	305	610	2.4	
	7	ø5	15				100	1500		2.4
								Total+10%:	5.3	2.6
V 14	7	ø6.3	2	8	30	8	46	92	0.2	
	8	ø5	2	6	30	6	42	84		0.1
	9	ø5	1				100	100		0.2
								Total+10%:	0.2	0.3
V 15	10	ø8	2	10	454	10	474	948	3.7	
	11	ø6.3	1		454		454	454	1.1	
	12	ø8	2	10	454	10	474	948	3.7	
	13	ø5	27				100	2700		4.2
								Total+10%:	9.4	4.6
V 16	1	ø8	2	10	408	10	428	856	3.4	
	2	ø8	2	10	408	10	428	856	3.4	
	3	ø5	23				100	2300		3.6
								Total+10%:	7.5	4.0
V 17	14	ø8	2	10	245	10	265	530	2.1	
	15	ø8	2	10	245	10	265	530	2.1	
	16	ø5	12				100	1200		1.9
								Total+10%:	4.6	2.1
V 18	7	ø8	2	10	355	10	375	750	2.9	
	8	ø8	2	10	355	10	375	750	2.9	
	9	ø5	18				100	1800		2.8
								Total+10%:	6.4	3.1
V 19	1	ø6.3	2	8	59	8	75	150	0.4	
	2	ø8	2	10	59	10	79	158	0.6	
	3	ø5	3				100	300		0.5
								Total+10%:	1.1	0.6
V 20	4	ø8	2	10	641	10	661	1322	5.2	
	5	ø8	2		415	10	425	850	3.3	
	6	ø6.3	1		240		240	240	0.6	
	7	ø10	2	12	1028	12	1052	2104	13.2	
	8	ø5	34				100	3400		5.3
	9	ø5	29				80	2320		3.6
								Total+10%:	24.5	9.8
V 21	10	ø8	2	10	355	10	375	750	2.9	
	11	ø8	2	10	355	10	375	750	2.9	
	12	ø5	19				100	1900		3.0
								Total+10%:	6.4	3.3
V 22	13	ø6.3	2	8	145	8	161	322	0.8	
	14	ø8	2	10	145	10	165	330	1.3	
	15	ø5	8				100	800		1.3
								Total+10%:	2.3	1.4
V 23	1	ø8	2	10	315	10	335	670	2.6	
	2	ø5	2	6	315	6	327	654		1.0
	3	ø5	16				100	1600		2.5
								Total+10%:	2.9	3.9
V 24=V 25=V 26 V 27=V 29=V 30 V 31	4	ø8	2	10	315	10	335	670	2.6	
	5	ø8	2	10	315	10	335	670	2.6	
	6	ø5	16				100	1600		2.5
								Total+10%:	5.7	2.8
								(x7):	39.9	19.6
V 28	7	ø8	2	10	412	10	432	864	3.4	
	8	ø10	1		315		315	315	2.0	
	9	ø8	2	10	412	10	432	864	3.4	
	10	ø5	29				80	2320		3.6
								Total+10%:	9.7	4.0
V 32	1	ø8	2	10	626	10	646	1292	5.1	
	2	ø8	2	10	626	10	646	1292	5.1	
	3	ø5	34				100	3400		5.3
								Total+10%:	11.2	5.8

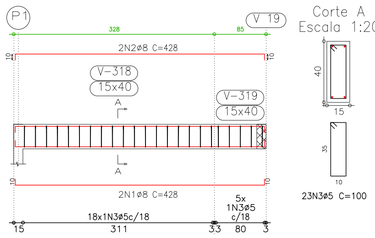
V 2
V 3
V 4
V 5
V 6
V 7
V 8
V 9
Escala 1:50



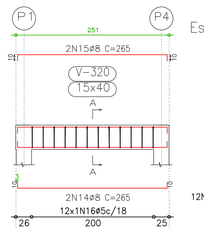
V 15
Escala 1:50



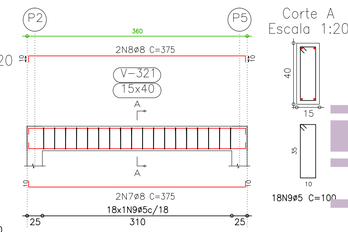
V 16
Escala 1:50



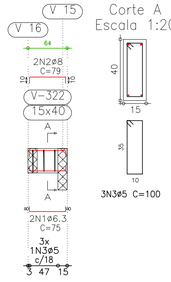
V 17
Escala 1:50



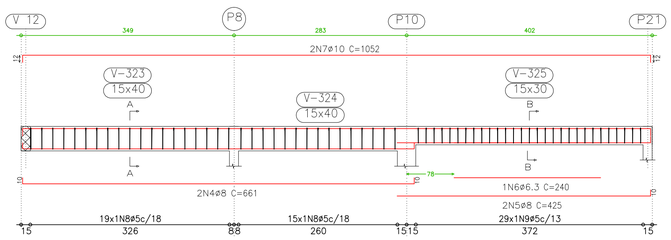
V 18
Escala 1:50



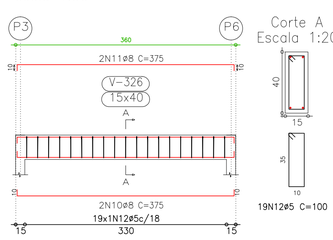
V 19
Escala 1:50



V 20
Escala 1:50



V 21
Escala 1:50



KAROLINE_CRESTANI

karolcrest@gmail.com

PROJETO_ESTRUTURAL

CONTEÚDO:

RESPONSABILIDADE PROJETO:

KAROLINE_APARECIDA_CRESTANI
ARQUITETA E URBANISTA
CAU A61466-1

PROPRIETÁRIO:

PREFEITURA_MUNICIPAL_DE_IRINEOPOLIS

QUADRO DE ÁREAS

OBSERVAÇÕES

* CONFERIR AS MEDIDAS NO LOCAL;
* QUAIS QUER ALTERAÇÕES DEVERÃO SER COMUNICADAS AOS AUTORES DO PROJETO;
* MEDIDAS EM CENTÍMETROS;

DATA:
ESCALA: INDICADA
ÁREA:
DESENHO: KAROLINE
PRANCHA Nº:

06
07

A1