



















Elemento	Pos.	Diam. $\phi$	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 2	1	Ø10	4		694	2776	17.1
	2	Ø5	33		112	3696	5.8
				Total+10%		28.2	
V 2	1	Ø8	2		337	674	2.7
	2	Ø10	2		337	674	2.7
	3	Ø5	14		112	1568	2.5
				Total+10%		10.3	
V 4	1	Ø10	1		1150	1150	7.1
	2	Ø10	2		1155	1035	4.1
	3	Ø10	2		1000	2000	7.9
	4	Ø10	2		665	1330	8.2
	5	Ø10	1		860	2660	2.2
	6	Ø10	3		855	2555	18.8
	7	Ø5	75		112	8400	13.2
				Total+10%		64.4	
V 1	1	Ø8	2		337	674	2.7
	2	Ø10	2		337	674	4.2
	3	Ø5	14		112	1568	2.5
				Total+10%		10.3	
V 3	1	Ø10	2		1180	2360	14.5
	2	Ø10	2		850	1700	10.5
	3	Ø10	2		395	790	4.9
	4	Ø5	62		112	6944	10.9
				Total+10%		44.9	
V 5	1	Ø8	1		295	295	2.0
	2	Ø8	2		290	580	2.3
	3	Ø8	3		470	1410	2.1
	4	Ø8	1		694	1388	5.5
	5	Ø8	1		360	360	1.4
				Total+10%		20.1	
V 6	1	Ø10	4		689	2756	17.0
	2	Ø5	34		112	3808	6.0
				Total+10%		23.3	
				Ø5:		51.3	6.0
				Ø8:		2.4	0.0
				Ø10:		80.6	0.0
				Total:		136.2	0.0
				Total 200.5		0.0	0.0

COBERTURA RECEPÇÃO: 3.50m  
Desenho de vigas  
Concreto: C20, em geral  
Aço das barras: CA-50  
Aço dos estribos: CA-50  
Escala vigas 1:20  
Escala seções 1:20  
Escala aberturas 1:20