











Elements	Pos	Diam	Q	sqLen (cm)	Comp (cm)	load (cm)	load (kg)	load (kg)
V 25	1	408	4	451	40	260	6.4	
	2	212.2	4	451	78	260	6.4	
	3	33.5	2		11	11	0.1	
						Total	12.9	
V 12	1	212.2	4	390	260	750	1.9	
	2	212.2	4	390	260	90	1.9	
	3	390	4	390	17.1	26	1.7	
	4	390	4	390	17.5	26	1.5	
	5	212.2	4	390	137.5	275	20.3	
	6	33.5	2		11	4870	11.9	
						Total	22.2	
V 10	1	212.2	4	390	177	770	5.7	
	2	33.5	2		11	490	1.0	
						Total	6.7	
V 2	1	112	4	390	177	110	5.7	
	2	33.5	2		11	70	1.0	
						Total	6.7	
V 37	1	212.2	4	390	177	120	5.7	
	2	33.5	2		11	70	1.0	
						Total	6.7	
V 17	1	212.2	4	390	260	750	1.9	
	2	212.2	4	390	260	90	1.9	
	3	390	4	390	17.1	26	1.7	
	4	212.2	4	390	137.5	275	20.3	
	5	33.5	2		11	4870	11.9	
						Total	22.7	
V 12	1	212.2	4	390	260	750	1.9	
	2	212.2	4	390	260	90	1.9	
	3	390	4	390	17.1	26	1.7	
	4	212.2	4	390	137.5	275	20.3	
	5	33.5	2		11	4870	11.9	
						Total	41.7	
V 17	1	212.2	4	390	260	750	1.9	
	2	212.2	4	390	260	90	1.9	
	3	390	4	390	17.1	26	1.7	
	4	212.2	4	390	137.5	275	20.3	
	5	33.5	2		11	4870	11.9	
						Total	41.9	
V 14	1	212.2	4	390	177	260	5.7	
	2	33.5	2		11	70	1.0	
						Total	6.7	
V 11	1	212.2	4	390	265	750	1.9	
	2	212.2	4	390	260	90	1.9	
	3	390	4	390	17.1	26	1.7	
	4	212.2	4	390	137.5	275	20.3	
	5	33.5	2		11	4870	11.9	
						Total	22.7	
						88.31	88.8	0.0
						910	1	0.0
						912	32.0	0.0
						914	28	0.0

Área
Desenho de vigas
Concreto: C30, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas: 1:20
Escala seções: 1:20
Escala aberturas: 1:20

Resumo Agri- Densidade de Vesp.	Comp. total (m)	Peso (kg)	Loss
CA-70 ø6,3	861,8	211	
ø8	156,9	62	
ø12,5	649,5	628	89

[illegible][illegible]