

**Relação do aço**

ELEMENTO	ACO	N	DIAM	QUANT	UNIF	C.TOTAL
	(mm)		(mm)	(Barra)	(cm)	(cm)
V44	CA60	2	6,3	86	76	26144
	CA50	3	6,3	86	108	14834
V24	CA60	3	8,0	18	162	1774
	CA50	5	8,0	428	852	852
V25	CA60	7	5,0	18	108	1808
	CA50	6	8,0	428	852	852
V40	CA60	10	5,0	20	108	2120
	CA50	6	8,0	428	852	852
V41	CA60	12	18,0	2	521	1042
	CA50	14	8,0	12	408	852
V42	CA60	15	8,0	2	470	940
	CA50	17	5,0	2	408	908
V43	CA60	17	5,0	28	162	2888
	CA50	19	10,0	2	618	1232
V45	CA60	20	10,0	1	117	117
	CA50	22	10,0	1	162	162
V46	CA60	22	10,0	62	306	404
	CA50	24	6,3	89	356	356
V47	CA60	25	8,0	4	897	1774
	CA50	26	8,0	2	545	1090
V48	CA60	27	10,0	2	172	344
	CA50	29	10,0	2	172	344
V49	CA60	30	5,0	2	288	576
	CA50	31	5,0	20	2120	2120
V44	CA60	32	8,0	2	489	978
	CA50	33	8,0	2	489	978
V45	CA60	34	10,0	2	212	424
	CA50	35	5,0	2	385	770
V46	CA60	36	5,0	27	108	2862
	CA50	37	10,0	2	618	1232
V48	CA60	39	10,0	2	163	326
	CA50	40	5,0	2	678	1356
V47	CA60	41	5,0	47	138	6322
	CA50	42	10,0	2	189	378
V48	CA60	43	10,0	4	518	2072
	CA50	44	12,5	3	828	828
V49	CA60	45	12,5	3	828	828
	CA50	46	5,0	214	108	2284
V48	CA60	48	5,0	2	704	1408
	CA50	51	8,0	2	704	1408
V47	CA60	50	8,0	2	863	1726
	CA50	50	8,0	2	863	1726
V48	CA60	53	10,0	1	138	276
	CA50	53	10,0	1	138	276
V47	CA60	55	12,5	2	303	606
	CA50	55	12,5	2	303	606
V48	CA60	56	16,0	2	808	1616
	CA50	59	5,0	132	108	4800
V49	CA60	60	6,3	4	174	348
	CA50	61	6,3	4	174	348
V48	CA60	63	8,0	1	114	228
	CA50	63	8,0	2	1091	2182
V47	CA60	65	8,0	2	442	884
	CA50	65	12,5	1	258	516
V48	CA60	69	8,0	2	128	256
	CA50	69	8,0	2	128	256
V49	CA60	69	8,0	2	219	438
	CA50	69	8,0	2	219	438

**Resumo do aço**

ACO	DIAM	C.TOTAL	PESO * 10 %
(mm)	(mm)	(kg)	(kg)
CA60	8,0	380,5	108,2
CA60	10,0	180,3	77,4
CA60	12,5	90,0	96,2
CA60	16,0	28,6	49,6
CA60	18,0	96,5	161
CA60	40,0	4	1
CA60	18,0	1	1

Volume de concreto (C=30) = 7,38 m³  
 Área de forma = 126,34 m²

