



RELACÃO DO AÇO						
AÇO	N	DIAM (mm)	QUANT	C UNIT	C TOTAL (cm)	
V28	V29	V30				
V31	V41	V33				
V34	V35	V36				
V37	V38	V39				
V40	V42	V43				
V43	V44	V45				
V46	V47	V48				
V49	V50	V51				
V52	V53	V54				
V55	V56	V57				
V58	V59	V58				
CA60	1	5,0	99	139	13761	
	2	5,0	2	81	162	
	3	5,0	381	119	45339	
	4	5,0	2	145	290	
	5	5,0	4	145	580	
	6	5,0	2	223	446	
	7	5,0	17	99	1683	
	8	5,0	2	155	310	
	9	5,0	2	104	208	
	10	5,0	2	185	370	
	11	5,0	4	305	1830	
	12	5,0	2	150	300	
	13	5,0	4	335	2070	
	14	5,0	2	108	216	
	15	5,0	2	136	272	
	16	5,0	2	108	216	
	17	5,0	2	106	212	
	18	5,0	2	117	234	
	19	5,0	2	112	224	
	20	5,0	2	127	254	
	21	5,0	2	205	410	
	22	5,0	2	117	234	
	23	5,0	2	85	170	
	24	5,0	2	90	180	
	25	5,0	2	80	160	
CA50	26	6,3	6	4572	762	
	27	6,3	12	4843	11316	
	28	8,0	2	175	350	
	29	8,0	2	148	296	
	30	8,0	2	175	350	
	31	8,0	2	148	296	
	32	8,0	2	174	348	
	33	8,0	14	150	2100	
	34	8,0	2	372	744	
	35	8,0	2	223	446	
	36	8,0	2	344	688	
	37	8,0	2	213	426	
	38	8,0	4	314	1256	
	39	8,0	2	164	328	
	40	8,0	2	137	274	
	41	8,0	3	737	1474	
	42	8,0	7	143	1001	
	43	8,0	2	148	296	
	44	8,0	4	340	1360	
	45	8,0	8	135	1080	
	46	8,0	2	153	306	
	47	8,0	6	305	1830	
	48	8,0	2	229	458	
	49	8,0	5	174	1170	
	50	8,0	4	282	1128	
	51	8,0	2	304	608	
	52	8,0	4	130	520	
	53	8,0	1	246	246	
	54	8,0	2	202	404	
	55	8,0	1	236	236	
	56	8,0	2	382	764	
	57	8,0	2	286	572	
	58	8,0	2	311	622	

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	158.9	42.8
	8.0	332.6	144.4
	10.0	153.2	103.9
	12.5	10.9	11.6
CA60	5.0	687.2	116.5

Volume de concreto (C-30) = 8.44 m³
Área de forma = 111.74 m²