



Relação do aço									
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	G. TOTAL			
CA50	1	5.0	108	172	18576				
	2	5.0	83	152	12616				
	3	5.0	479	162	77698				
	4	5.0	38	142	5396				
	5	5.0	82	140	11560				
	6	5.0	31	136	4216				
	7	6.3	10	128	8192				
	8	6.3	52	1200	62400				
	9	6.3	12	270	3240				
	10	6.3	134	172	23048				
CA50	11	6.3	10	553	5530				
	12	6.3	10	537	5370				
	13	6.3	450	162	72900				
	14	6.3	10	504	5040				
	15	6.3	20	286	5720				
	16	6.3	10	1070	10700				
	17	6.3	2	496	992				
	18	6.3	10	542	5420				
	19	6.3	20	203	4060				
	20	6.3	10	324	3240				
CA50	21	6.3	10	354	3540				
	22	6.3	3	142	426				
	23	8.0	2	134	268				
	24	8.0	2	182	364				
	25	8.0	2	346	692				
	26	8.0	1	82	82				
	27	8.0	2	290	580				
	28	10.0	3	173	519				
	29	10.0	3	373	1119				
	30	10.0	6	168	1008				
CA50	31	10.0	3	124	372				
	32	10.0	4	349	1396				
	33	10.0	2	367	734				
	34	10.0	2	525	1050				
	35	10.0	2	595	1190				
	36	12.5	2	587	1174				
	37	12.5	2	586	1172				
	38	12.5	2	448	896				
	39	12.5	4	324	1296				
	40	12.5	2	524	1048				
CA50	41	12.5	2	411	822				
	42	12.5	2	408	816				
	43	12.5	1	358	358				
	44	12.5	2	1132	2264				
	45	12.5	2	1089	2178				
	46	12.5	1	235	235				
	47	12.5	1	280	280				
	48	12.5	1	735	735				
	49	12.5	1	1187	1187				
	50	12.5	2	1200	2400				
CA50	51	12.5	2	500	1000				
	52	12.5	1	360	360				
	53	16.0	1	229	229				
	54	16.0	1	666	666				
	55	16.0	2	422	844				
	56	16.0	1	169	169				
	57	16.0	1	621	621				
	58	16.0	2	621	1242				
	59	16.0	1	379	379				
	60	16.0	2	776	1552				
CA50	61	16.0	1	280	280				
	62	16.0	1	593	593				
	63	16.0	2	666	1332				
	64	16.0	2	811	1622				
	65	20.0	1	95	95				
	66	20.0	1	206	206				
	67	20.0	1	331	331				
	68	20.0	2	983	1966				
	69	20.0	4	827	3308				
	70	20.0	1	341	341				
CA50	71	20.0	1	320	320				
	72	20.0	1	340	340				
	73	20.0	8	1200	9600				
	74	20.0	1	1039	1039				
	75	20.0	2	1194	2388				
	76	20.0	2	511	1022				
	77	20.0	2	568	1136				
	78	20.0	3	1195	3585				
	79	20.0	1	384	384				
	80	20.0	2	643	1286				
CA50	81	20.0	2	281	562				
	82	20.0	2	1101	2202				
	83	20.0	3	1131	3393				
	84	20.0	3	1194	3582				
	85	20.0	1	391	391				
	86	20.0	2	657	1314				
	87	20.0	2	849	1698				
	88	20.0	4	803	3212				
	89	20.0	4	1194	4776				
	90	20.0	2	441	882				
CA50	91	20.0	2	583	1166				
	92	20.0	1	353	353				
	93	20.0	2	836	1672				
	94	20.0	2	837	1674				
	95	20.0	1	1069	1069				
	96	20.0	1	693	693				
	97	20.0	1	451	451				
	98	20.0	1	331	331				
	99	20.0	1	331	331				
	100	20.0	1	331	331				

Resumo do aço			
AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	2825.2	760.5
	8.0	24.2	10.5
	10.0	70.2	47.6
	12.5	198.1	209.9
	16.0	114.1	198.1
	20.0	568.9	1432.2
CA50	5.0	1000.5	203.5

PESO TOTAL (kg)  
CA50 2789.7  
CA60 203.5  
VOLUME DE CONCRETO (C-30) = 26.29 m³  
ÁREA DE FORMA = 258.26 m²