



Relação do aço						
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	225	157	35325	
	2	5.0	187	151	118837	
	3	5.0	10	131	1310	
	4	5.0	25	121	3025	
	5	6.3	8	775	6200	
	6	6.3	56	1200	67200	
	7	6.3	48	513	24624	
	8	6.3	8	955	7640	
	9	6.3	8	734	5872	
	10	6.3	8	129	516	
CA50	11	6.3	4	129	516	
	12	8.0	1	348	348	
	13	8.0	2	710	4260	
	14	8.0	1	228	228	
	15	8.0	3	224	672	
	16	8.0	1	511	1533	
	17	8.0	1	408	408	
	18	8.0	3	416	1248	
	19	8.0	3	970	2910	
	20	8.0	4	221	884	
	21	8.0	2	312	624	
	22	8.0	2	546	1092	
	23	8.0	2	296	592	
	24	8.0	2	312	624	
	25	8.0	2	570	1140	
	26	8.0	4	1115	4460	
	27	8.0	1	268	268	
	28	8.0	1	568	568	
	29	8.0	13	571	7423	
	30	8.0	2	290	580	
	31	8.0	4	1116	4464	
	32	8.0	1	287	287	
	33	8.0	4	562	2248	
	34	8.0	2	280	560	
	35	8.0	2	333	666	
	36	8.0	4	295	1180	
	37	8.0	2	545	1090	
	38	8.0	2	283	566	
	39	8.0	2	567	1134	
	40	8.0	4	117	468	
	41	8.0	8	524	4192	
	42	8.0	2	133	266	
	43	8.0	1	190	190	
	44	8.0	3	193	579	
	45	8.0	3	253	759	
	46	10.0	3	606	1818	
	47	10.0	3	331	993	
	48	10.0	1	168	168	
	49	10.0	8	578	4624	
	50	10.0	3	775	2325	
	51	10.0	4	604	2416	
	52	10.0	8	572	4576	
	53	10.0	16	573	9168	
	54	10.0	12	200	2400	
	55	10.0	1	134	134	
	56	10.0	2	400	800	
	57	10.0	2	52	104	
	58	10.0	3	156	468	
	59	10.0	1	140	140	
	60	10.0	1	230	230	
	61	10.0	2	305	610	
	62	10.0	1	698	698	
	63	10.0	1	678	678	
	64	10.0	4	290	1160	
	65	10.0	1	218	218	
	66	10.0	2	221	442	
	67	10.0	2	1199	2398	
	68	10.0	2	128	256	
	69	10.0	2	203	406	
	70	10.0	2	165	330	
	71	10.0	2	128	256	
	72	10.0	1	207	207	
	73	10.0	1	873	873	
	74	10.0	1	918	918	
	75	10.0	2	1101	2202	
	76	10.0	2	166	332	
	77	12.5	2	528	1052	
	78	12.5	1	169	169	
	79	12.5	5	320	1600	
	80	12.5	1	665	665	
	81	12.5	5	320	1600	
	82	12.5	1	155	155	
	83	12.5	2	1197	2394	
	84	12.5	2	620	1240	
	85	12.5	1	204	204	
	86	12.5	4	310	1240	
	87	12.5	2	205	410	
	88	12.5	2	1197	2394	
	89	12.5	2	626	1252	
	90	12.5	5	295	1475	
	91	12.5	1	199	199	
	92	12.5	2	936	1872	
	93	12.5	1	198	198	
	94	12.5	2	315	630	
	95	12.5	1	736	736	
	96	12.5	2	285	570	
	97	12.5	1	194	194	
	98	12.5	2	1197	2394	
	99	12.5	2	629	1258	
	100	12.5	3	578	1734	
	101	12.5	1	362	362	
	102	12.5	2	577	1154	
	103	12.5	3	220	660	
	104	12.5	1	235	235	
	105	12.5	1	215	215	
	106	12.5	2	195	390	
	107	12.5	2	1197	2394	
	108	12.5	2	622	1244	
	109	12.5	4	224	896	
	110	12.5	4	222	888	
	111	12.5	1	221	221	
	112	12.5	1	719	719	
	113	12.5	1	723	723	
	114	12.5	2	1197	2394	
	115	12.5	2	628	1256	
	116	12.5	2	227	454	
	117	12.5	2	725	1450	
	118	12.5	2	1197	2394	
	119	12.5	2	631	1262	
	120	12.5	3	151	453	
	121	16.0	1	390	390	
	122	16.0	1	593	593	
	123	16.0	2	1198	2396	
	124	16.0	2	645	1290	
	125	16.0	1	295	295	
	126	16.0	2	832	1664	
	127	16.0	1	345	345	
	128	16.0	2	375	750	
	129	16.0	1	163	163	
	130	16.0	2	1200	2400	
	131	16.0	2	365	730	

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (cm)	PESO + 10 % (kg)
CA50	6.3	1147.2	308.8
	8.0	460.7	199.9
	10.0	392.2	266
	12.5	438.8	461.7
	16.0	110.2	191.2
PESO TOTAL (kg)		5.0	1585
CA60			268.7
CA50		1427.6	
CA60		268.7	

Volume de concreto (C-30) = 20.53 m³

Área de forma = 197.24 m²