



Relação do aço					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CASO	1	5.0	107	157	16799
	2	5.0	806	121	97526
	3	5.0	349	131	45719
	4	6.3	4	129	514
	5	6.3	9	122	1098
	6	6.3	8	185	1320
	7	6.3	7	132	924
	8	8.0	9	355	3195
	9	8.0	2	324	648
	10	8.0	4	619	2476
CASO	11	8.0	3	1135	3408
	12	8.0	2	417	834
	13	8.0	1	1021	1021
	14	8.0	3	588	1764
	15	8.0	15	83	1245
	16	8.0	1	1187	1187
	17	8.0	1	1172	1172
	18	8.0	1	1177	1177
	19	8.0	1	1155	1155
	20	8.0	1	182	182
CASO	21	8.0	10	1188	11880
	22	8.0	2	542	1084
	23	8.0	10	579	5790
	24	8.0	1	216	216
	25	8.0	4	1125	4500
	26	8.0	1	312	312
	27	8.0	4	978	3912
	28	8.0	2	165	330
	29	8.0	10	536	5360
	30	8.0	4	318	1272
CASO	31	8.0	1	211	211
	32	8.0	2	317	634
	33	8.0	6	190	1140
	34	8.0	1	323	323
	35	8.0	2	210	420
	36	8.0	6	111	666
	37	8.0	1	328	328
	38	8.0	2	571	1142
	39	8.0	6	111	666
	40	8.0	2	587	1174
CASO	41	8.0	1	325	325
	42	8.0	4	560	2240
	43	8.0	5	576	2880
	44	8.0	7	570	3990
	45	8.0	6	586	3516
	46	8.0	1	313	313
	47	8.0	1	240	240
	48	8.0	2	180	360
	49	8.0	1	313	313
	50	8.0	1	358	358
CASO	51	8.0	1	418	418
	52	8.0	2	580	1160
	53	8.0	1	285	285
	54	8.0	1	444	444
	55	8.0	8	300	2400
	56	8.0	6	823	4938
	57	8.0	1	310	310
	58	8.0	2	796	1592
	59	8.0	2	290	580
	60	8.0	2	907	1814
CASO	61	8.0	1	323	323
	62	8.0	2	821	1642
	63	8.0	2	304	608
	64	8.0	2	469	938
	65	8.0	9	1200	10800
	66	8.0	1	606	606
	67	8.0	1	586	586
	68	8.0	1	230	230
	69	8.0	1	1091	1091
	70	8.0	1	282	282
CASO	71	8.0	1	313	313
	72	8.0	2	387	774
	73	10.0	1	363	363
	74	10.0	2	604	1208
	75	10.0	3	516	1548
	76	10.0	1	133	133
	77	10.0	1	178	178
	78	10.0	1	298	298
	79	10.0	1	593	593
	80	10.0	1	613	613
CASO	81	10.0	2	775	1550
	82	10.0	2	403	806
	83	10.0	2	611	1222
	84	12.5	3	290	870
	85	12.5	2	439	878
	86	12.5	2	860	1720
	87	12.5	2	1197	2394
	88	12.5	2	626	1252
	89	12.5	3	251	753
	90	12.5	2	581	1162
CASO	91	12.5	1	230	230
	92	12.5	2	275	550
	93	12.5	1	340	340
	94	12.5	2	345	690
	95	12.5	1	965	965
	96	12.5	2	1197	2394
	97	12.5	2	579	1158
	98	16.0	3	231	693
	99	16.0	3	229	687
	100	20.0	2	240	480
CASO	101	20.0	2	322	644
	102	20.0	2	273	546

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CASO	5.0	41.2	11.1
	6.3	1125.9	488.7
	8.0	85.2	57.7
	10.0	153.8	162.7
	12.5	13.8	24
	16.0	16.7	45.3
CASO		1800.5	271.4
CASO		789.4	789.4
CASO		271.4	271.4

Volume de concreto (C-30) = 19.87 m³
Área de forma = 226.19 m²