



RELACÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	CUMUL	C.TOTAL
CA60	1	5.0	889	67	59563
CA60	3	5.0	185	77	12705
CA60	4	5.0	2	265	570
CA60	5	8.0	195	195	1780
CA60	7	8.0	2	890	1780
CA60	8	8.0	2	117	117
CA60	10	8.0	1	125	125
CA60	11	8.0	1	122	122
CA60	12	8.0	6	150	750
CA60	14	8.0	1	850	7650
CA60	15	8.0	1	410	410
CA60	17	8.0	3	888	2664
CA60	18	8.0	3	422	1266
CA60	20	8.0	2	1019	2038
CA60	21	8.0	2	518	1032
CA60	22	8.0	2	577	577
CA60	24	8.0	4	166	664
CA60	25	8.0	4	125	500
CA60	27	8.0	1	125	125
CA60	28	8.0	2	1047	2094
CA60	29	8.0	2	507	1014
CA60	31	8.0	2	410	820
CA60	32	8.0	2	210	420
CA60	34	8.0	2	112	224
CA60	35	8.0	2	173	346
CA60	37	8.0	4	1058	4232
CA60	38	8.0	4	1198	4796
CA60	39	8.0	2	929	1858
CA60	41	8.0	2	202	404
CA60	42	8.0	2	389	778
CA60	44	8.0	2	40	80
CA60	45	8.0	2	97	194
CA60	46	8.0	2	610	1220
CA60	48	10.0	3	345	1035
CA60	51	10.0	2	190	380
CA60	52	10.0	2	220	440
CA60	53	10.0	2	1198	2396
CA60	54	10.0	2	1301	2602
CA60	55	16.0	2	607	1214
CA60	56	16.0	2	198	396
CA60	57	16.0	2	198	396

RESUMO DO AÇO

ACO	DIAM	C.TOTAL	PESO + 10%
CA50	8.0	516	724
CA60	16.0	84.9	57.6
CA60	33.0	75.7	125.5
PESO TOTAL	(kg)		811.1
CA50	982.7		
CA60	126.5		

Volume de concreto (C=23) = 5.23 m³
Área da forma = 97.29 m²

