



QPO	N	DIAM	QUNIT	CUNIT	CTOTAL
C450	1	8.0	1073	87	1073
	2	5.0	130	77	1010
	3	8.0	130	88	98
	4	8.0	12	290	340
	5	8.0	14	321	353
	6	8.0	14	295	4130
	7	8.0	14	321	353
	8	8.0	2	268	36
	9	8.0	2	268	36
	10	8.0	4	739	283
	11	8.0	3	735	378
	12	8.0	4	324	1296
	13	8.0	4	324	1296
	14	8.0	4	30	360
	15	8.0	4	30	360
C450	16	8.0	2	645	1296
	17	8.0	2	294	294
	18	8.0	8	320	2560
	19	8.0	8	320	2560
	20	8.0	4	517	2068
	21	8.0	4	711	711
	22	8.0	2	640	1280
	23	8.0	2	640	1818
	24	8.0	2	640	1818
	25	8.0	2	640	1818
	26	8.0	2	640	1818
	27	10.0	6	649	3894
	28	10.0	6	649	3894
	29	10.0	2	143	286
	30	10.0	2	143	286
C450	31	10.0	2	193	386
	32	10.0	2	193	386
	33	10.0	2	954	3616
	34	10.0	2	954	3616
	35	10.0	2	170	232
	36	10.0	2	170	232
	37	10.0	2	215	430
	38	10.0	2	215	430
	39	10.0	4	206	4240
	40	10.0	4	206	4240
	41	10.0	2	174	234
	42	10.0	2	140	280
	43	10.0	2	204	408
	44	10.0	2	204	408
	45	10.0	2	168	332
	46	10.0	2	168	332
C450	47	10.0	4	665	2660
	48	10.0	4	670	2670
	49	10.0	16	185	185
	50	10.0	16	185	185
	51	10.0	16	675	1350
	52	10.0	16	644	1288
	53	12.5	2	399	399
	54	12.5	2	399	399

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	UF
CA50	8.0	457.5	39	
	10.0	355.6	30	
	12.5	24.3	3	
CA60	5.0	1034.6	-	rolo (
PESO TOTAL (kg)				
CA50	423.2			
CA60	159.5			

Volume de concreto (C-30) = 10.12 m³  
 Área de forma = 138.28 m²

[illegible]