



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	CLUNIT (cm)	C.TOTAL (cm)
V4	V9	V22			
V52	V53	V54			
V55	V56	V58			
V59	V60	V61			
V62	V63	V67			
V68	V69	V70			
V71	V72	V73			
V74	V75	V76			
V77	V78	V79			
V80	V81	V82			

AÇO	N	DIAM (mm)	QUANT	CLUNIT (cm)	C.TOTAL (cm)
CAB0	1	5.0	667	89	59383
CA50	2	5.0	14	92	1288
	3	5.0	1	92	82
	5	6.3	2	245	490
	6	8.0	2	460	920
	7	8.0	2	462	924
	8	8.0	3	162	486
	9	8.0	4	231	924
	10	8.0	4	690	2784
	11	8.0	2	899	1798
	12	8.0	2	633	1266
	13	8.0	2	669	1338
	14	8.0	2	344	688
	15	8.0	2	380	760
	16	8.0	2	777	1554
	17	8.0	4	1096	2192
	18	8.0	4	278	1112
	19	8.0	2	231	462
	20	8.0	2	1105	2210
	21	8.0	2	1135	2270
	22	8.0	2	524	1048
	23	8.0	2	554	1108
	24	8.0	4	441	1764
	25	8.0	4	298	1192
	26	8.0	2	342	684
	27	8.0	4	142	568
	28	8.0	4	162	648
	29	8.0	2	298	596
	30	8.0	2	172	344
	31	8.0	2	511	1022
	32	8.0	2	171	342
	33	8.0	2	321	642
	34	8.0	2	300	600
	35	8.0	2	134	268
	36	8.0	2	172	344
	37	8.0	2	288	576
	38	8.0	2	182	364
	39	8.0	4	499	1996
	40	10.0	2	470	940
	41	10.0	2	704	1408
	42	10.0	2	899	1798
	43	10.0	2	783	1566
	44	10.0	2	1117	2234
	45	10.0	2	307	614
	46	10.0	2	307	614
	47	10.0	2	322	644
	48	10.0	2	315	630
	49	10.0	2	218	436
	50	10.0	2	514	1028
	51	10.0	2	424	848
	52	10.0	2	315	630
	53	10.0	2	699	1398
	54	10.0	2	311	622
	55	10.0	2	299	598
	56	10.0	2	231	462

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	4.9	1.3
	8.0	366.8	159.2
CA60	10.0	150.8	106.9
	5.0	607.4	103
PESO TOTAL (kg)			
CA50		269.4	
CA60		103	

Volume de concreto (C-30) = 6.27 m³
 Área de formas = 107.57 m²