

Relação do aço					
ELEMENTO	AÇO	N	QUANT	C.UNIT (cm)	C.TOTAL (cm)
S1	CA60	1	5,00	100	95
	CA50	2	8,0	240	121
	CA50	3	12,5	40	200
	CA60	4	5,0	13	65
S12	CA50	5	8,0	11	146
	CA50	6	8,0	13	131
	CA50	7	10,0	4	193
	CA60	8	5,0	26	169
S13	CA50	9	8,0	32	141
	CA50	10	8,0	26	156
	CA50	11	10,0	10	193
	CA60	12	5,0	9	65
7xS14	CA50	13	8,0	91	128
	CA50	14	8,0	77	141
	CA50	15	10,0	28	193
	CA60	16	5,0	10	65
S15	CA50	17	15	168	249
	CA50	18	10,0	12	150
	CA50	19	12,5	6	200
	CA60	20	5,0	52	65
S16	CA50	21	8,0	136	106
	CA50	22	8,0	48	151
	CA50	23	10,0	18	193
	CA60	24	5,0	13	65
S17	CA50	25	8,0	8	121
	CA50	26	10,0	108	106
	CA50	27	10,0	4	193
	CA60	28	5,0	39	65
3xS34	CA50	29	8,0	39	131
	CA50	30	8,0	33	146
	CA50	31	10,0	12	193
	CA60	32	5,0	20	95
2xS63	CA50	33	10,0	24	100
	CA50	34	12,5	8	157
	CA60	35	5,0	13	65
	CA50	36	8,0	12	156
S66	CA50	37	8,0	16	136
	CA50	38	10,0	4	193
	CA60	39	5,0	13	75
	CA60	40	5,0	13	65
S86	CA50	41	10,0	12	193
	CA50	42	10,0	20	165
	CA50	43	10,0	24	145
	CA60	44	5,0	20	81
2xS98	CA50	45	10,0	24	140
	CA50	46	10,0	20	155
	CA50	47	16,0	16	209
	CA60	48	5,0	24	135
S100	CA50	49	10,0	60	145
	CA50	50	16,0	12	209
	CA60	51	5,0	40	135
	CA50	52	10,0	110	145
S101	CA50	53	16,0	20	209
	CA60	54	5,0	125	95
	CA50	55	8,0	384	156
	CA50	56	12,5	48	200
5xS106	CA60	57	5,0	65	65
	CA50	58	5,0	60	116
	CA50	59	8,0	50	131
	CA60	60	10,0	20	193
S107	CA60	61	5,0	136	95
	CA50	62	10,0	312	170
	CA50	63	12,5	48	200
	CA50	64	16,0	8	209
S108	CA60	65	5,0	113	95
	CA60	66	5,0	10	111
	CA50	67	10,0	336	180
	CA60	68	12,5	44	200
S110	CA50	69	16,0	8	209
	CA60	70	5,0	95	171
	CA50	71	10,0	432	165
	CA50	72	12,5	64	200
S115	CA50	73	16,0	16	209
	CA60	74	5,0	250	95
	CA50	75	8,0	616	141
	CA50	76	12,5	88	200
S116	CA60	77	5,0	13	83
	CA50	78	8,0	24	136
	CA50	79	10,0	6	193
	CA60	80	5,0	108	79
12xS117	CA50	81	8,0	84	86
	CA50	82	8,0	72	96
	CA50	83	10,0	48	143
	CA60	84	5,0	20	95
2xS153	CA50	85	8,0	40	106
	CA50	86	12,5	8	200
	CA60	87	5,0	180	65
	CA50	88	8,0	442	131
S158	CA50	89	12,5	68	200
	CA60	90	5,0	253	95
	CA60	91	5,0	13	83
	CA50	92	5,0	8	111
S165	CA60	93	5,0	16	40
	CA50	94	8,0	810	151
	CA50	95	10,0	6	193
	CA50	96	12,5	100	200
7xS189	CA50	97	16,0	16	209
	CA60	98	5,0	91	65
	CA50	99	8,0	84	121
	CA50	100	8,0	77	136
S191	CA50	101	10,0	28	193
	CA60	102	5,0	13	55
	CA50	103	8,0	13	141
	CA50	104	8,0	14	126
2xS192	CA50	105	10,0	4	193
	CA60	106	5,0	26	65
	CA50	107	8,0	24	151
	CA50	108	8,0	30	136
3xS193	CA50	109	10,0	12	193
	CA60	110	5,0	39	65
	CA50	111	8,0	30	136
	CA50	112	8,0	36	121
S194	CA50	113	10,0	12	193
	CA60	114	5,0	13	84
	CA50	115	8,0	10	131
	CA50	116	8,0	12	116
S195	CA50	117	10,0	4	193
	CA60	118	5,0	13	55
	CA50	119	8,0	6	91
	CA50	120	8,0	7	86
S196	CA50	121	10,0	4	158
	CA60	122	5,0	10	65
	CA50	123	10,0	14	160
	CA50	124	10,0	12	175
S201	CA50	125	12,5	6	200
	CA60	126	5,0	20	95
	CA50	127	10,0	60	185
	CA50	128	12,5	8	200
S206	CA60	129	5,0	10	95
	CA50	130	10,0	34	195
	CA50	131	12,5	4	200
	CA60	132	5,0	26	65
2xS217	CA50	133	8,0	22	136
	CA50	134	8,0	24	121
	CA50	135	10,0	8	193
	CA60	136	5,0	26	65
2xS221	CA50	137	8,0	24	128
	CA50	138	8,0	20	141
	CA50	139	10,0	8	193

Relação do aço					
ELEMENTO	AÇO	N	QUANT	C.UNIT (cm)	C.TOTAL (cm)
S227	CA60	140	5,0	103	105
	CA60	141	5,0	13	36
	CA50	142	8,0	10	131
	CA50	143	8,0	11	126
S84-85	CA50	144	10,0	6	193
	CA60	145	5,0	8	135
	CA60	146	5,0	10	95
	CA60	147	5,0	7	71
S102-103	CA50	148	12,5	4	200
	CA50	149	12,5	32	278
	CA50	150	12,5	28	196
	CA50	151	16,0	4	209
2xSM1	CA60	152	5,0	8	135
	CA60	153	5,0	10	95
	CA60	154	5,0	7	68
	CA50	155	12,5	4	200

Resumo do aço			
AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 10 % (kg)
CA50	8,0	5179,3	2248
CA50	10,0	3130,1	2122,8
CA50	12,5	1370,1	1451,9
CA60	16,0	267,3	464
CA60	5,0	2281,3	386,8
PESO TOTAL (kg)			
CA50	6286,7		
CA60	386,8		
Volume de concreto (C-35) = 141,42 m³			
Área de forma = 513,79 m²			

