

Relação do aço					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)
S1	CA60	1	5.0	100	95
	CA50	2	8.0	240	121
	CA50	3	12.5	40	200
S12	CA60	4	5.0	13	65
	CA50	5	8.0	11	146
	CA50	6	8.0	13	131
S13	CA50	7	10.0	4	193
	CA60	8	5.0	26	156
	CA50	9	8.0	32	141
7xS14	CA50	10	8.0	26	156
	CA50	11	10.0	10	193
	CA60	12	5.0	33	146
S15	CA50	13	8.0	91	128
	CA50	14	8.0	77	141
	CA50	15	10.0	28	193
S16	CA60	16	5.0	10	65
	CA50	17	5.0	15	168
	CA50	18	10.0	12	150
S17	CA50	19	12.5	6	200
	CA60	20	5.0	52	65
	CA50	21	8.0	35	138
3xS34	CA50	22	8.0	48	151
	CA50	23	10.0	18	193
	CA60	24	5.0	13	65
2xS63	CA50	25	8.0	8	121
	CA50	26	8.0	10	106
	CA50	27	10.0	4	193
S66	CA60	28	5.0	39	65
	CA50	29	8.0	39	131
	CA50	30	8.0	33	146
S86	CA50	31	10.0	12	193
	CA60	32	5.0	20	95
	CA50	33	10.0	24	200
2xS98	CA50	34	12.5	8	157
	CA60	35	5.0	13	65
	CA50	36	8.0	12	156
S100	CA50	37	8.0	16	136
	CA50	38	10.0	4	193
	CA60	39	5.0	13	75
S101	CA60	40	5.0	13	65
	CA50	41	10.0	12	193
	CA50	42	10.0	20	165
S105	CA50	43	10.0	24	145
	CA60	44	5.0	20	81
	CA50	45	10.0	24	140
5xS106	CA50	46	10.0	20	155
	CA50	47	16.0	16	209
	CA60	48	5.0	24	135
S107	CA50	49	10.0	60	145
	CA50	50	16.0	12	209
	CA60	51	5.0	40	135
S108	CA50	52	10.0	110	145
	CA50	53	16.0	20	209
	CA60	54	5.0	125	95
S110	CA50	55	8.0	384	156
	CA50	56	12.5	48	200
	CA60	57	5.0	65	65
S115	CA50	58	5.0	60	116
	CA50	59	8.0	50	131
	CA60	60	10.0	20	193
S116	CA60	61	5.0	138	95
	CA50	62	10.0	312	170
	CA50	63	12.5	48	200
S117	CA50	64	16.0	8	209
	CA60	65	5.0	113	95
	CA60	66	5.0	10	111
S118	CA50	67	10.0	336	180
	CA50	68	12.5	44	200
	CA50	69	16.0	8	209
S119	CA60	70	5.0	181	95
	CA50	71	10.0	432	165
	CA50	72	12.5	64	200
S120	CA50	73	16.0	16	209
	CA60	74	5.0	250	95
	CA50	75	8.0	616	141
S121	CA50	76	12.5	88	200
	CA60	77	5.0	13	83
	CA50	78	8.0	24	136
S122	CA50	79	10.0	6	193
	CA60	80	5.0	108	79
	CA50	81	8.0	84	86
S123	CA50	82	8.0	72	96
	CA50	83	10.0	48	143
	CA60	84	5.0	20	95
S124	CA50	85	8.0	40	106
	CA50	86	12.5	8	200
	CA60	87	5.0	180	95
S125	CA50	88	8.0	131	57902
	CA50	89	12.5	68	200
	CA60	90	5.0	253	95
S126	CA50	91	5.0	13	83
	CA60	92	8.0	111	88
	CA60	93	5.0	16	40
S127	CA50	94	8.0	810	151
	CA50	95	10.0	6	193
	CA50	96	12.5	100	200
S128	CA50	97	16.0	16	209
	CA60	98	5.0	91	65
	CA50	99	8.0	84	121
S129	CA50	100	8.0	77	136
	CA50	101	10.0	28	193
	CA60	102	5.0	13	55
S130	CA50	103	8.0	13	141
	CA50	104	8.0	14	126
	CA50	105	10.0	4	193
S131	CA60	106	5.0	26	65
	CA50	107	8.0	24	151
	CA50	108	8.0	30	136
S132	CA50	109	10.0	12	193
	CA60	110	5.0	38	65
	CA50	111	8.0	30	136
S133	CA50	112	8.0	36	121
	CA50	113	10.0	12	193
	CA60	114	5.0	13	65
S134	CA50	115	8.0	10	131
	CA50	116	8.0	12	116
	CA50	117	10.0	4	193
S135	CA60	118	5.0	13	55
	CA50	119	8.0	6	91
	CA50	120	8.0	7	86
S136	CA50	121	10.0	4	158
	CA60	122	5.0	10	65
	CA50	123	10.0	14	180
S137	CA50	124	10.0	12	175
	CA50	125	12.5	6	200
	CA60	126	5.0	20	95
S138	CA50	127	10.0	60	185
	CA50	128	12.5	8	200
	CA60	129	5.0	10	95
S139	CA50	130	10.0	34	195
	CA50	131	12.5	4	200
	CA60	132	5.0	26	65
S140	CA50	133	8.0	22	136
	CA50	134	8.0	24	121
	CA50	135	10.0	8	193
S141	CA60	136	5.0	26	65
	CA50	137	8.0	24	126
	CA50	138	8.0	20	141
S142	CA50	139	10.0	8	193
	CA50	140	10.0	8	193
	CA50	141	10.0	13	36
S143	CA60	142	8.0	10	131
	CA50	143	8.0	11	126
	CA50	144	10.0	6	193
S144	CA60	145	5.0	8	135
	CA60	146	5.0	10	95
	CA60	147	5.0	7	711
S145	CA50	148	12.5	4	200
	CA50	149	12.5	32	278
	CA60	150	12.5	28	196
S146	CA50	151	16.0	4	209
	CA60	152	5.0	8	135
	CA60	153	5.0	10	95
S147	CA60	154	5.0	7	681
	CA50	155	12.5	4	200
	CA60	156	12.5	14	288
S148	CA50	157	12.5	17	253
	CA50	158	12.5	12	206
	CA50	159	12.5	15	171
S149	CA60	160	16.0	4	209
	CA60	161	5.0	14	355
	CA60	162	5.0	28	135
S150	CA60	163	5.0	56	65
	CA60	164	5.0	6	561
	CA50	165	10.0	32	150
S151	CA60	166	10.0	20	215
	CA60	167	10.0	32	123
	CA50	168	10.0	20	188
S152	CA50	169	16.0	32	156
	CA50	170	16.0	32	156
	CA50	171	16.0	32	156

Relação do aço					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)
S227	CA60	140	5.0	13	105
	CA60	141	5.0	13	36
	CA50	142	8.0	10	131
S84-85	CA50	143	8.0	11	126
	CA50	144	10.0	6	193
	CA60	145	5.0	8	135
S102-103	CA60	146	5.0	10	95
	CA60	147	5.0	7	4977
	CA50	148	12.5	4	200
2xSM1	CA50	149	12.5	32	278
	CA60	150	12.5	28	196
	CA50	151	16.0	4	209

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			

