

Relação do aço				
ELEMENTO	AÇO	N	Q.UANT (mm)	C.UNIT (cm)
S1	CA60	1	5,0	100
	CA50	2	8,0	240
	CA50	3	12,5	40
	CA60	4	5,0	13
	CA50	5	8,0	11
S12	CA50	6	8,0	13
	CA50	7	10,0	4
	CA60	8	5,0	26
	CA50	9	8,0	32
	CA50	10	8,0	26
7xS14	CA50	11	10,0	10
	CA60	12	5,0	9
	CA50	13	8,0	91
	CA50	14	8,0	77
	CA50	15	10,0	28
S15	CA60	16	5,0	10
	CA50	17	15,0	15
	CA50	18	10,0	12
	CA50	19	12,5	6
	CA60	20	5,0	52
S16	CA50	21	8,0	58
	CA50	22	8,0	48
	CA50	23	10,0	18
	CA60	24	5,0	13
	CA50	25	8,0	8
3xS34	CA50	26	8,0	10
	CA50	27	10,0	4
	CA60	28	5,0	39
	CA50	29	8,0	39
	CA50	30	8,0	33
2xS63	CA50	31	10,0	12
	CA60	32	5,0	20
	CA50	33	10,0	24
	CA50	34	12,5	8
	CA60	35	5,0	13
S66	CA50	36	8,0	12
	CA50	37	8,0	16
	CA50	38	10,0	4
	CA60	39	5,0	13
	CA60	40	5,0	13
2xS98	CA50	41	10,0	12
	CA50	42	10,0	20
	CA50	43	10,0	24
	CA60	44	5,0	20
	CA50	45	10,0	24
S100	CA50	46	10,0	20
	CA50	47	16,0	16
	CA60	48	5,0	24
	CA50	49	10,0	60
	CA50	50	16,0	12
S101	CA60	51	5,0	40
	CA50	52	10,0	110
	CA50	53	16,0	20
	CA60	54	5,0	125
	CA50	55	8,0	384
5xS106	CA50	56	12,5	48
	CA60	57	5,0	65
	CA50	58	8,0	60
	CA50	59	8,0	50
	CA60	60	10,0	20
S107	CA60	61	5,0	138
	CA50	62	10,0	312
	CA50	63	12,5	48
	CA50	64	16,0	8
	CA60	65	5,0	113
S108	CA60	66	5,0	10
	CA50	67	10,0	336
	CA60	68	12,5	44
	CA60	69	16,0	8
	CA60	70	5,0	181
S110	CA50	71	10,0	432
	CA50	72	12,5	64
	CA50	73	16,0	16
	CA60	74	5,0	250
	CA50	75	8,0	616
S115	CA50	76	12,5	88
	CA60	77	5,0	13
	CA50	78	8,0	24
	CA50	79	10,0	6
	CA60	80	5,0	108
12xS117	CA50	81	8,0	84
	CA50	82	8,0	72
	CA50	83	10,0	48
	CA60	84	5,0	20
	CA50	85	8,0	40
2xS153	CA50	86	12,5	8
	CA60	87	5,0	180
	CA50	88	8,0	442
	CA50	89	12,5	68
	CA60	90	5,0	253
S156	CA60	91	5,0	13
	CA60	92	5,0	8
	CA60	93	5,0	16
	CA50	94	8,0	810
	CA50	95	10,0	6
S165	CA50	96	12,5	100
	CA50	97	16,0	16
	CA60	98	5,0	91
	CA50	99	8,0	84
	CA50	100	8,0	77
7xS189	CA50	101	10,0	28
	CA60	102	5,0	13
	CA50	103	8,0	13
	CA50	104	8,0	14
	CA50	105	10,0	4
S191	CA60	106	5,0	26
	CA50	107	8,0	24
	CA50	108	8,0	30
	CA50	109	10,0	12
	CA50	110	5,0	39
2xS192	CA50	111	8,0	30
	CA50	112	8,0	36
	CA50	113	10,0	12
	CA60	114	5,0	13
	CA50	115	8,0	10
3xS193	CA50	116	8,0	12
	CA50	117	10,0	4
	CA60	118	5,0	13
	CA50	119	8,0	6
	CA50	120	8,0	7
S194	CA50	121	10,0	4
	CA60	122	5,0	10
	CA50	123	10,0	14
	CA50	124	10,0	12
	CA50	125	12,5	6
S196	CA60	126	5,0	20
	CA50	127	10,0	60
	CA50	128	12,5	8
	CA60	129	5,0	10
	CA50	130	10,0	34
2xS217	CA50	131	12,5	4
	CA60	132	5,0	26
	CA50	133	8,0	22
	CA50	134	8,0	24
	CA50	135	10,0	8
2xS221	CA60	136	5,0	26
	CA50	137	8,0	24
	CA50	138	8,0	20
	CA50	139	10,0	8
	CA50	140	10,0	8

Relação do aço				
ELEMENTO	AÇO	N	Q.UANT (mm)	C.UNIT (cm)
S227	CA60	140	5,0	105
	CA60	141	5,0	13
	CA50	142	8,0	10
	CA50	143	8,0	11
	CA50	144	10,0	6
S84-85	CA60	145	5,0	8
	CA60	146	5,0	10
	CA60	147	5,0	7
	CA50	148	12,5	4
	CA50	149	12,5	32
S102-103	CA50	150	12,5	28
	CA50	151	16,0	4
	CA60	152	5,0	8
	CA60	153	5,0	10
	CA60	154	5,0	7
2xSM1	CA50	155	12,5	4
	CA50	156	12,5	14
	CA50	157	12,5	17
	CA50	158	12,5	12
	CA50	159	12,5	15
	CA60	160	16,0	4
	CA60	161	5,0	14
	CA60	162	5,0	28
	CA60	163	5,0	56
	CA60	164	5,0	6
	CA50	165	10,0	32
	CA50	166	10,0	20
	CA50	167	10,0	32
	CA50	168	10,0	20
	CA50	169	16,0	32

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	287,3	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				

S96=S107=S130=S131=S171=S172=S179=S187=S188=S202=S204=S209=S231				
PLANTA ESC 1:25				
CORTE ESC 1:25				
P204				
DETALHE REATERRO				
REATERRO COMPACTADO				
TERRENO NATURAL				
COMPACTAR FUNDO DA BASE DE ASSENTAMENTO				
5cm DE CONCRETO MAGRO 5 MPa				

S87=S89=S90=S108=S123
=S160=S173=S181
=S182=S199=S200=S205

PLANTA
ESC 1:25

CORTE
ESC 1:25

175

10

165

30

30

150

12x14 N67 ø10.0 c/12 C=180

10

165

12x14 N67 ø10.0 c/12 C=180

N67
N67

P87=P173=P199=P200				
PLANTA ESC 1:25				
CORTE ESC 1:25				
S116				
PLANTA ESC 1:25				
CORTE ESC 1:25				
P96=P107=P131=P171=P179=P187				
PLANTA ESC 1:25				
CORTE ESC 1:25				
S153=S235				
PLANTA ESC 1:25				
CORTE ESC 1:25				
S194				
PLANTA ESC 1:25				
CORTE ESC 1:25				

P89-P90-P1

TERREO - L1

SEÇÃO
ESC 1:20

VISTA B