

Relação do aço									
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)			
BPA3	CA60	1	5,0	9	95	855			
	CA60	2	5,0	6	395	2370			
	CA60	3	5,0	7	193	1361			
	CA50	4	8,0	2	196	392			
	CA60	5	8,0	5	218	1090			
3xBPA7	CA60	6	8,0	4	154	616			
	CA60	7	10,0	8	134	1072			
	CA60	8	5,0	24	95	2280			
	CA60	9	5,0	12	183	2316			
	CA60	10	5,0	15	215	3225			
BPA8	CA60	11	10,0	12	134	1608			
	CA60	12	5,0	8	95	760			
	CA60	13	5,0	7	193	1361			
	CA60	14	5,0	7	203	1421			
	CA60	15	8,0	2	196	392			
2xBPA9	CA60	16	8,0	4	154	616			
	CA60	17	10,0	8	139	1112			
	CA60	18	10,0	4	227	908			
	CA60	19	5,0	16	95	1520			
	CA60	20	5,0	14	395	5530			
BPA12	CA60	21	5,0	14	395	5530			
	CA60	22	8,0	4	196	784			
	CA50	23	8,0	12	228	2736			
	CA60	24	5,0	14	1232	1724			
	CA60	25	10,0	16	139	2224			
BPA13	CA60	26	5,0	10	95	950			
	CA60	27	5,0	7	395	2765			
	CA60	28	5,0	7	203	1421			
	CA60	29	196	392	196	392			
	CA60	30	8,0	7	228	1596			
BPA14	CA60	31	8,0	4	154	616			
	CA60	32	10,0	8	139	1112			
	CA60	33	5,0	8	95	760			
	CA60	34	5,0	7	395	2765			
	CA60	35	5,0	7	203	1421			
BPA15	CA60	36	8,0	2	196	392			
	CA60	37	5,0	7	154	616			
	CA60	38	10,0	8	139	1112			
	CA60	39	10,0	5	227	1135			
	CA60	40	5,0	6	95	760			
BPA16	CA60	41	5,0	6	395	2370			
	CA60	42	5,0	7	203	1421			
	CA60	43	5,0	7	196	392			
	CA60	44	8,0	4	154	616			
	CA60	45	10,0	4	112	448			
BPA17	CA60	46	12,5	4	226	904			
	CA60	47	5,0	11	95	1045			
	CA60	48	5,0	8	575	4600			
	CA60	49	8,0	14	196	2744			
	CA60	50	8,0	28	246	6944			
BPA18	CA60	51	8,0	14	154	2156			
	CA60	52	10,0	8	149	1192			
	CA60	53	5,0	95	760	7120			
	CA60	54	5,0	7	456	3192			
	CA60	55	8,0	7	VAR	VAR			
2xBPA20	CA60	56	8,0	VAR	VAR	VAR			
	CA60	57	8,0	18	VAR	VAR			
	CA60	58	8,0	VAR	VAR	VAR			
	CA60	59	8,0	7	VAR	VAR			
	CA60	60	10,0	8	139	1112			
BPA22	CA60	61	5,0	95	760	7120			
	CA60	62	5,0	7	395	2765			
	CA60	63	5,0	7	203	1421			
	CA60	64	196	392	196	392			
	CA60	65	8,0	4	154	616			
BPA23	CA60	66	10,0	4	112	448			
	CA60	67	10,0	7	227	1589			
	CA60	68	5,0	10	95	950			
	CA60	69	5,0	8	456	3192			
	CA60	70	8,0	7	VAR	VAR			
2xBPA24	CA60	71	8,0	8	VAR	VAR			
	CA60	72	8,0	16	VAR	VAR			
	CA60	73	8,0	8	VAR	VAR			
	CA60	74	8,0	7	VAR	VAR			
	CA60	75	12,5	4	146	584			
BPA25	CA60	76	5,0	18	95	1710			
	CA60	77	5,0	12	395	4740			
	CA60	78	5,0	14	193	2702			
	CA60	79	8,0	14	196	2744			
	CA60	80	8,0	12	116	2616			
2xBPA27	CA60	81	8,0	8	154	1232			
	CA60	82	10,0	14	134	2144			
	CA60	83	5,0	11	95	1045			
	CA60	84	5,0	8	575	4600			
	CA60	85	8,0	14	196	2744			
BPA28	CA60	86	10,0	16	247	3952			
	CA60	87	10,0	16	247	3952			
	CA60	88	12,5	6	156	1248			
	CA60	89	5,0	10	95	950			
	CA60	90	5,0	7	456	3192			
3xBPA24	CA60	91	8,0	7	VAR	VAR			
	CA60	92	8,0	8	VAR	VAR			
	CA60	93	8,0	VAR	VAR	VAR			
	CA60	94	8,0	8	VAR	VAR			
	CA60	95	8,0	VAR	VAR	VAR			
2xBPA25	CA60	96	12,5	6	146	1168			
	CA60	97	5,0	24	95	2280			
	CA60	98	5,0	21	395	8295			
	CA60	99	5,0	21	203	4263			
	CA60	100	8,0	6	196	1176			
BPA29	CA60	101	8,0	21	238	4798			
	CA60	102	8,0	12	154	1848			
	CA60	103	10,0	24	139	3336			
	CA60	104	5,0	20	95	1900			
	CA60	105	5,0	14	456	6384			
BPA5-Pa6	CA60	106	8,0	14	VAR	VAR			
	CA60	107	8,0	16	VAR	VAR			
	CA60	108	8,0	24	VAR	VAR			
	CA60	109	8,0	16	VAR	VAR			
	CA60	110	8,0	14	VAR	VAR			
BPA5-Pa6	CA60	111	10,0	16	139	2224			
	CA60	112	5,0	18	83	1494			
	CA60	113	5,0	8	193	1544			
	CA60	114	5,0	10	215	2150			
	CA60	115	10,0	12	134	1608			
BPA5-Pa6	CA60	116	5,0	9	83	747			
	CA60	117	5,0	4	213	852			
	CA60	118	5,0	5	215	1075			
	CA60	119	10,0	6	144	864			
	CA60	120	5,0	6	83	684			
BPA5-Pa6	CA60	121	5,0	4	193	772			
	CA60	122	5,0	6	215	1075			
	CA60	123	10,0	6	134	804			
	CA60	124	5,0	9	95	485			
	CA60	125	5,0	9	95	855			
BPA5-Pa6	CA60	126	5,0	6	395	2370			
	CA60	127	5,0	7	213	1461			
	CA60	128	8,0	2	196	392			
	CA60	129	8,0	3	154	482			
	CA60	130	10,0	12	144	1728			
BPA5-Pa6	CA60	131	12,5	4	236	944			

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	765.6	341
	10.0	330.6	224.2
	12.5	48.5	51.4
CA60	5.0	1172.4	198.8
PESO TOTAL (kg)			
CA50	616.6		
CA60	198.8		

Volume de concreto (C-35) = 19.47 m³
Área de forma = 91.05 m²