



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)
P1	1	Ø12.5	4	14	41	14	69	276	2.7
	2	Ø12.5	2	14	91	14	119	238	2.3
	3	Ø10	6	30	109		139	834	5.1
	4	Ø6.3	3		98		98	294	0.7
Total+10%:									11.9
P2	5	Ø12.5	5	14	56	14	84	420	4.0
	6	Ø12.5	3	14	121	14	149	447	4.3
	7	Ø10	6	30	109		139	834	5.1
	8	Ø6.3	3		98		98	294	0.7
Total+10%:									15.5
P3	9	Ø12.5	7	14	76	14	104	728	7.0
	10	Ø12.5	4	14	161	14	189	756	7.3
	11	Ø12.5	4	30	90		120	480	4.6
	12	Ø6.3	3		98		98	294	0.7
Total+10%:									21.6
P6	13	Ø10	4	11	36	11	58	232	1.4
	14	Ø10	2	11	103	11	103	206	1.3
	15	Ø10	4	30	90		120	480	3.0
	16	Ø6.3	3		58		58	174	0.4
Total+10%:									6.7
P7	17	Ø10	5	11	51	11	73	365	2.2
	18	Ø10	3	11	111	11	133	399	2.5
	19	Ø10	4	30	95		125	500	3.1
	20	Ø6.3	3		58		58	174	0.4
Total+10%:									9.0
P8	21	Ø12.5	5	14	56	14	84	420	4.0
	22	Ø12.5	3	14	111	14	139	417	4.0
	23	Ø10	6	30	109		139	834	5.1
	24	Ø6.3	3		98		98	294	0.7
Total+10%:									15.2
P09	25	Ø12.5	7	14	76	14	104	728	7.0
	26	Ø12.5	4	14	161	14	189	756	7.3
	27	Ø10	8	30	109		139	1112	6.9
	28	Ø6.3	3		98		98	294	0.7
Total+10%:									24.1
P10	29	Ø12.5	3	14	71	14	99	297	2.9
	30	Ø12.5	3	14	71	14	99	297	2.9
	31	Ø10	6	30	109		139	834	5.1
	32	Ø6.3	3		98		98	294	0.7
Total+10%:									12.8
(P4-P5)	33	Ø12.5	8	14	96	14	124	992	9.6
	34	Ø12.5	4	14	176	14	204	816	7.9
	35	Ø12.5	8	20	96	20	136	1088	10.5
	36	Ø12.5	4	20	176	20	216	864	8.3
	37	Ø10	8	30	109		139	1112	6.9
	38	Ø6.3	3		108		108	324	0.8
	39	Ø10	4	30	81		111	444	2.7
	40	Ø6.3	3		58		58	174	0.4
Total+10%:									51.8
									Ø6.3: 6.9
									Ø10: 55.5
									Ø12.5: 106.2
									Total: 168.6

Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø6.3	215.7	58
	Ø8	35.4	15
	Ø10	200.9	136
	Ø12.5	207.2	220
	Ø16	26.8	47
			476

Fundação
 Detalhamento fundação
 Concreto: C25, em geral
 Escala: 1:20