



Elemento	Pos. (mm)	Sub. (mm)	Job. (mm)	Comp. (mm)	(Δ -50-40-30)	(Δ -30-20-10)	(Δ -10-0-10)	(Δ -0-10-20)	(Δ -20-30-40)	(Δ -40-50-60)
					(cm)	(cm)	(cm)	(cm)	(cm)	(cm)
1	9.1875	6	16	25.6	16	16	16	16	16	16
2	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
3	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
4	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
5	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
6	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
7	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
8	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
9	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
10	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
11	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
12	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
13	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
14	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
15	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
16	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
17	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
18	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
19	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
20	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
21	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
22	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
23	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
24	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
25	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
26	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
27	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
28	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
29	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
30	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
31	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
32	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
33	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
34	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
35	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
36	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
37	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
38	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
39	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
40	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
41	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
42	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
43	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
44	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
45	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
46	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
47	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
48	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
49	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
50	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
51	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
52	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
53	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
54	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
55	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
56	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
57	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
58	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
59	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
60	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
61	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
62	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
63	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
64	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
65	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
66	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
67	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
68	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
69	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
70	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
71	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
72	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
73	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
74	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
75	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
76	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
77	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
78	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
79	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
80	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
81	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
82	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
83	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
84	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
85	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
86	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
87	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
88	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
89	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
90	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
91	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
92	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
93	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
94	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
95	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
96	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
97	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
98	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
99	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
100	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
101	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
102	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
103	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
104	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
105	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
106	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
107	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
108	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
109	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
110	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
111	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
112	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
113	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
114	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
115	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
116	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
117	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
118	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
119	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
120	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
121	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
122	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
123	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6
124	9.1875	6	23.1	31.1	23	30.6	30.6	30.6	30.6	30.6

Resumo Aço Fundação	Comp. total (m)	Peso + 10% (kg)	Total
Detalhamento fundação			
CA-50-A	ø10 34,6	24	302
	ø12,5 257,4	278	
CA-60-B	ø4,2 10,3	1	1
Total			303

[illegible]