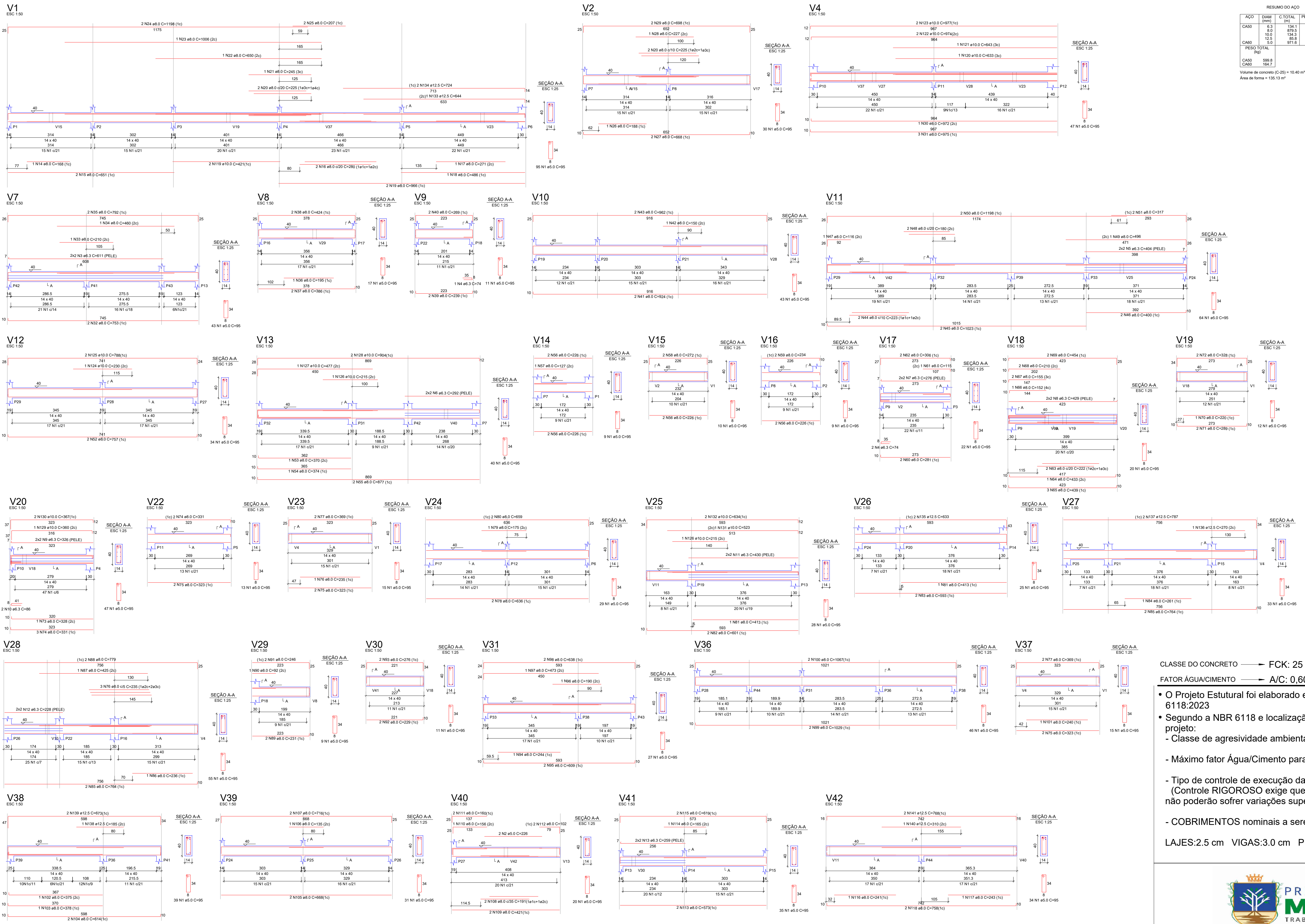




RESUMO DO AÇO				
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)	
CASO	6.3	134.1	38.1	
	8.0	879.5	381.7	
	10.0	134.3	81.1	
CASO	12.5	55.8	80.9	
	15.0	971.6	168.7	
PESO TOTAL (kg)				
CASO	599.8			
CASO	164.7			

Volume de concreto (C-25) = 10.40 m³
Área de forma = 135.13 m²

RELAÇÃO DO AÇO					
ACO	N	DIAM (mm)	QUANT	C.UNIT (m)	C.TOTAL (m)
CASO	1	6.3	211	1018	213
	2	8.0	4	911	3644
	3	10.0	2	804	1608
	4	6.3	4	404	1616
	5	8.0	2	388	776
	6	10.0	2	476	952
	7	12.5	2	476	952
	8	15.0	2	501	1002
	9	17.5	1	271	271
	10	20.0	1	288	288
	11	22.5	1	309	309
	12	25.0	1	345	345
	13	27.5	1	352	352
	14	30.0	1	365	365
	15	32.5	1	388	388
	16	35.0	1	401	401
	17	37.5	1	412	412
	18	40.0	1	427	427
	19	42.5	1	437	437
	20	45.0	1	452	452
	21	47.5	1	462	462
	22	50.0	1	475	475
	23	52.5	1	487	487
	24	55.0	1	501	501
	25	57.5	1	512	512
	26	60.0	1	525	525
	27	62.5	1	537	537
	28	65.0	1	548	548
	29	67.5	1	561	561
	30	70.0	1	575	575
	31	72.5	1	588	588
	32	75.0	1	601	601
	33	77.5	1	612	612
	34	80.0	1	627	627
	35	82.5	1	638	638
	36	85.0	1	651	651
	37	87.5	1	662	662
	38	90.0	1	675	675
	39	92.5	1	688	688
	40	95.0	1	701	701
	41	97.5	1	712	712
	42	100.0	1	727	727
	43	102.5	1	738	738
	44	105.0	1	751	751
	45	107.5	1	762	762
	46	110.0	1	775	775
	47	112.5	1	788	788
	48	115.0	1	801	801
	49	117.5	1	812	812
	50	120.0	1	827	827
	51	122.5	1	838	838
	52	125.0	1	851	851
	53	127.5	1	862	862
	54	130.0	1	875	875
	55	132.5	1	888	888
	56	135.0	1	901	901
	57	137.5	1	912	912
	58	140.0	1	927	927
	59	142.5	1	938	938
	60	145.0	1	951	951
	61	147.5	1	962	962
	62	150.0	1	975	975
	63	152.5	1	988	988
	64	155.0	1	1001	1001
	65	157.5	1	1012	1012
	66	160.0	1	1027	1027
	67	162.5	1	1038	1038
	68	165.0	1	1051	1051
	69	167.5	1	1062	1062
	70	170.0	1	1075	1075
	71	172.5	1	1088	1088
	72	175.0	1	1101	1101
	73	177.5	1	1112	1112
	74	180.0	1	1127	1127
	75	182.5	1	1138	1138
76	185.0	1	1151	1151	
77	187.5	1	1162	1162	
78	190.0	1	1175	1175	
79	192.5	1	1188	1188	
80	195.0	1	1201	1201	
81	197.5	1	1212	1212	
82	200.0	1	1227	1227	
83	202.5	1	1238	1238	
84	205.0	1	1251	1251	
85	207.5	1	1262	1262	
86	210.0	1	1275	1275	
87	212.5	1	1288	1288	
88	215.0	1	1301	1301	
89	217.5	1	1312	1312	
90	220.0	1	1327	1327	
91	222.5	1	1338	1338	
92	225.0	1	1351	1351	
93	227.5	1	1362	1362	
94	230.0	1	1375	1375	
95	232.5	1	1388	1388	
96	235.0	1	1401	1401	
97	237.5	1	1412	1412	
98	240.0	1	1427	1427	
99	242.5	1	1438	1438	
100	245.0	1	1451	1451	
101	247.5	1	1462	1462	
102	250.0	1	1475	1475	
103	252.5	1	1488	1488	
104	255.0	1	1501	1501	
105	257.5	1	1512	1512	
106	260.0	1	1527	1527	
107	262.5	1	1538	1538	
108	265.0	1	1551	1551	
109	267.5	1	1562	1562	
110	270.0	1	1575	1575	
111	272.5	1	1588	1588	
112	275.0	1	1601	1601	
113	277.5	1	1612	1612	
114	280.0	1	1627	1627	
115	282.5	1	1638	1638	
116	285.0	1	1651	1651	
117	287.5	1	1662	1662	
118	290.0	1	1675	1675	
119	292.5	1	1688	1688	
120	295.0	1	1701	1701	
121	297.5	1	1712	1712	
122	300.0	1	1727	1727	
123	302.5	1	1738	1738	
124	305.0	1	1751	1751	
125	307.5	1	1762	1762	
126	310.0	1	1775	1775	
127	312.5	1	1788	1788	
128	315.0	1	1801	1801	
129	317.5	1	1812	1812	
130	320.0	1	1827	1827	
131	322.5	1	1838	1838	
132	325.0	1	1851	1851	
133	327.5	1	1862	1862	
134	330.0	1	1875	1875	
135	332.5	1	1888	1888	
136	335.0	1	1901	1901	
137	337.5	1	1912	1912	
138	340.0	1	1927	1927	
139	342.5	1	1938	1938	
140	345.0	1	1951	1951	
141	347.5	1	1962	1962	
142	350.0	1	1975	1975	
143	352.5	1	1988	1988	
144	355.0	1	2001	2001	
145	357.5	1	2012	2012	
146	360.0	1	2027	2027	
147	362.5	1	2038	2038	
148	365.0	1	2051	2051	
149	367.5	1	2062	2062	
150	370.0	1	2075	2075	
151	372.5	1	2088	2088	
152	375.0	1	2101	2101	
153	377.5	1	2112	2112	
154	380.0	1	2127	2127	
155	382.5	1	2138	2138	
156	385.0	1	2151	2151	
157	387.5	1	2162	2162	
158	390.0	1	2175	2175	
159	392.5	1	2188	2188	
160	395.0	1	2201	2201	
161	397.5	1	2212	2212	
162	400.0	1	2227	2227	
163	402.5	1	2238	2238	
164	405.0	1	2251	2251	
165	407.5	1	2262	2262	
166	410.0	1	2275	2275	
167	412.5	1	2288	2288	
168	415.0	1	2301	2301	
169	417.5	1	2312	2312	
170	420.0	1	2327	2327	
171	422.5	1	2338	2338	
172	425.0	1	2351	2351	
173	427.5	1	2362	2362	
174	430.0	1	2375	2375	
175	432.5	1	2388	2388	
176	435.0	1	2401	2401	
177	437.5	1	2412	2412	
178	440.0	1	2427	2427	
179	442.5	1	2438	2438	
180	445.0	1	2451	2451	
181	447.5	1	2462	2462	
182	450.0	1	2475	2475	
183	452.5	1	2488	2488	
184	455.0	1	2501	2501	
185	457.5	1	2512	2512	
186	460.0	1	2527	2527	
187	462.5	1	2538	2538	
188	465.0	1	2551	2551	
189	467.5	1	2562	2562	
190	470.0	1	2575	2575	
191	472.5	1	2588	2588	
192	475.0	1	2601	2601	
193	477.5	1	2612	2612	
194	480.0	1	2627	2627	
195	482.5	1	2638	2638	
196	485.0	1	2651	2651	
197	487.5	1	2662	2662	
198	490.0	1	2675	2675	
199	492.5	1	2688	2688	
200	495.0	1	2701	2701	
201	497.5	1	2712	2712	
202	500.0	1	2727	2727	
203	502.5	1	2738	2738	
204	505.0	1	2751	2751	
205	507.5	1	2762	2762	
206	510.0	1	2775	2775	
207	512.5	1	2788	2788	
208	515.0	1	2801	2801	
209	517.5	1	2812	2812	
210	520.0	1	2827	2827	
211	522.5	1	2838	2838	
212	525.0	1	2851	2851	
213	527.5	1	2862	2862	
214	530.0	1	2875	2875	
215	532.5	1	2888	2888	
216	535.0	1	2901	2901	
217	537.5	1	2912	2912	
218	540.0	1	2927	2927	
219	542.5	1	2938	2938	
220	545.0	1	2951	2951	
221	547.5	1	2962	2962	
222	550.0	1	2975	2975	
223	552.5	1	2988	2988	
224	555.0	1	3001	3001	
225	557.5	1	3012	3012	
226	560.0	1	3027	3027	
227	562.5	1	3038	3038	
228	565.0	1	3051	3051	
229	567.5	1	3062	3062	
230	570.0	1	3075	3075	
231	572.5	1	3088	3088	
232	575.0	1	3101	3101	
233	577.5	1	3112	3112	
234	580.0	1	3127	3127	
235	582.5	1	3138	3138	
236	585.0	1	3151	3151	
237	587.5	1	3162	3162	
238	590.0	1	3175	3175	
239	592.5	1	3188	3188	
240	595.0	1	3201	3201	
241	597.5	1	3212	3212	
242	600.0	1	3227	3227	
243	602.5	1	3238	3238	
244	605.0	1	3251	3251	
245	607.5	1	3262	3262	
246	610.0	1	3275	3275	
247	612.5	1	3288	3288	
248	615.0	1	3301	3301	
249	617.5	1	3312	3312	
250	620.0	1	3327	3327	
251	622.5	1	3338	3338	
252	625.0	1	3351	3351	
253	627.5	1	3362	3362	
254	630.0	1	3375	3375	
255	632.5	1	3388	3388	
256	635.0	1	3401	3401	
257	637.5	1	3412	3412	
258	640.0	1	3427	3427	
259	642.5	1	3438	3438	
260	645.0	1	3451	3451	
261	647.5	1	3462	3462	
262	650.0	1	3475	3475	
263	652.5	1	3488	3488	
264	655.0	1	3501	3501	
265	657.5	1	3512	3512	
266	660.0	1	3527	3527	
267	662.5	1	3538	3538	
268	665.0	1	3551	3551	
269	667.5	1	3562	3562	
270	670.0	1	3575	3575	
271	672.5	1	3588	3588	
272	675.0	1	3601	3601	
273	677.5	1	3612	3612	