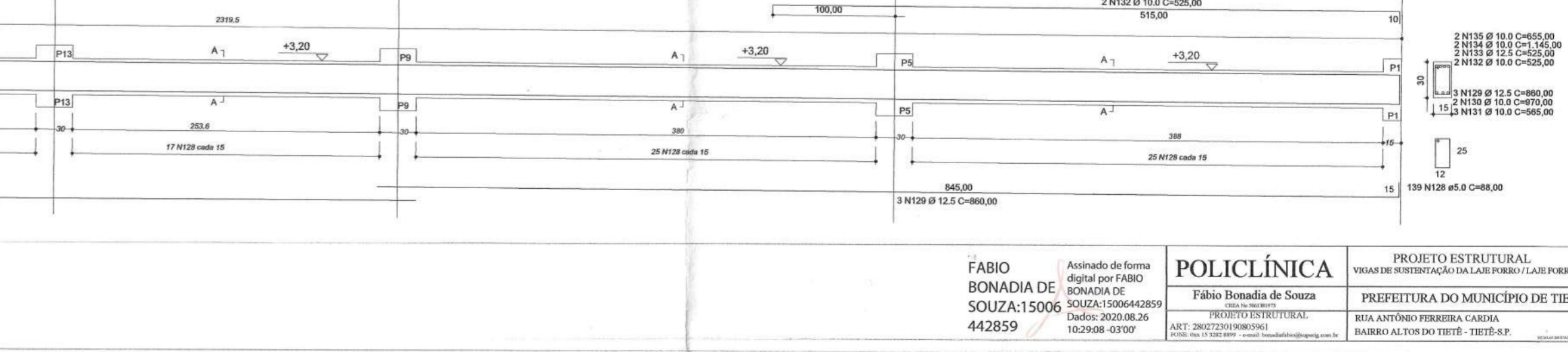
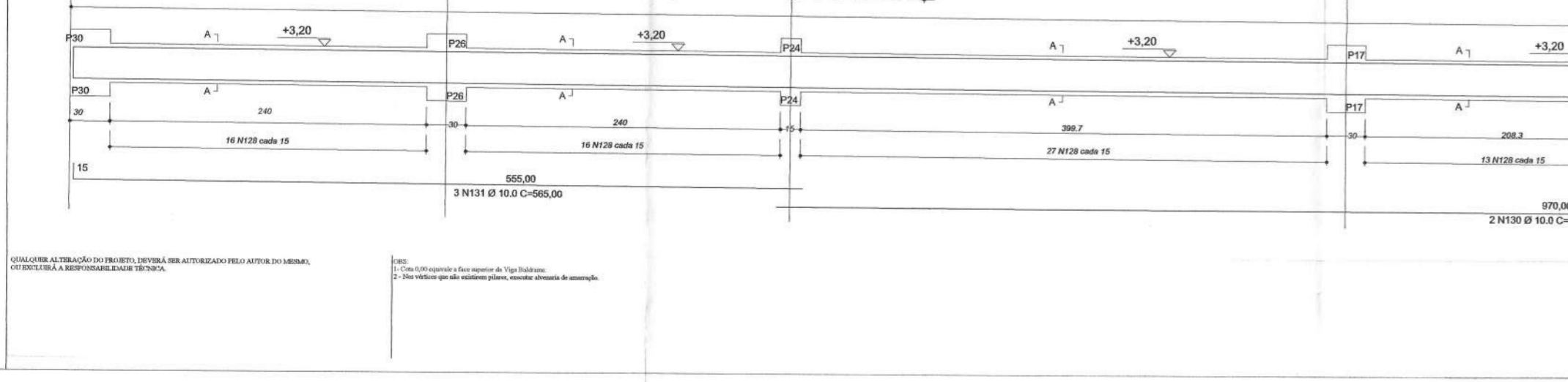
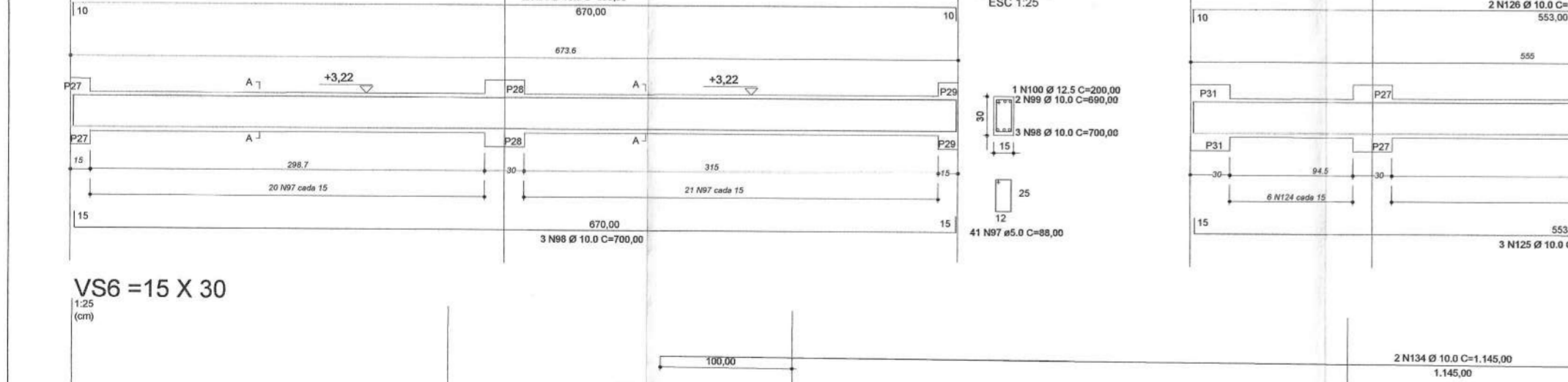
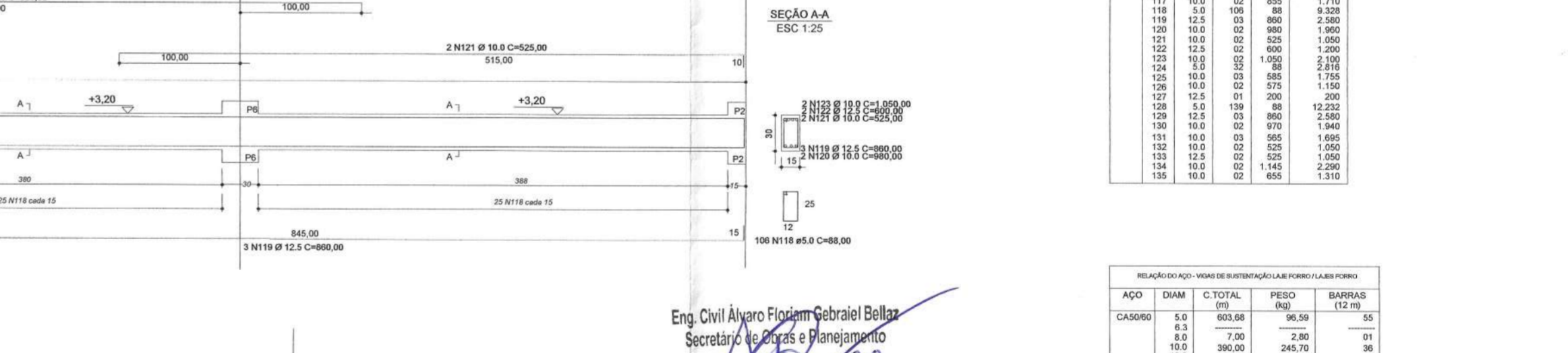
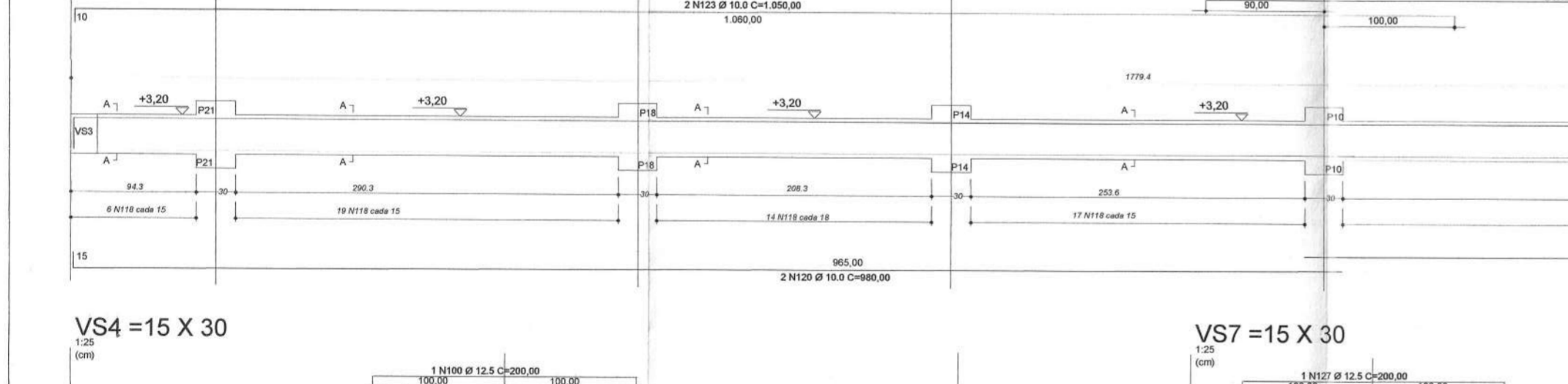
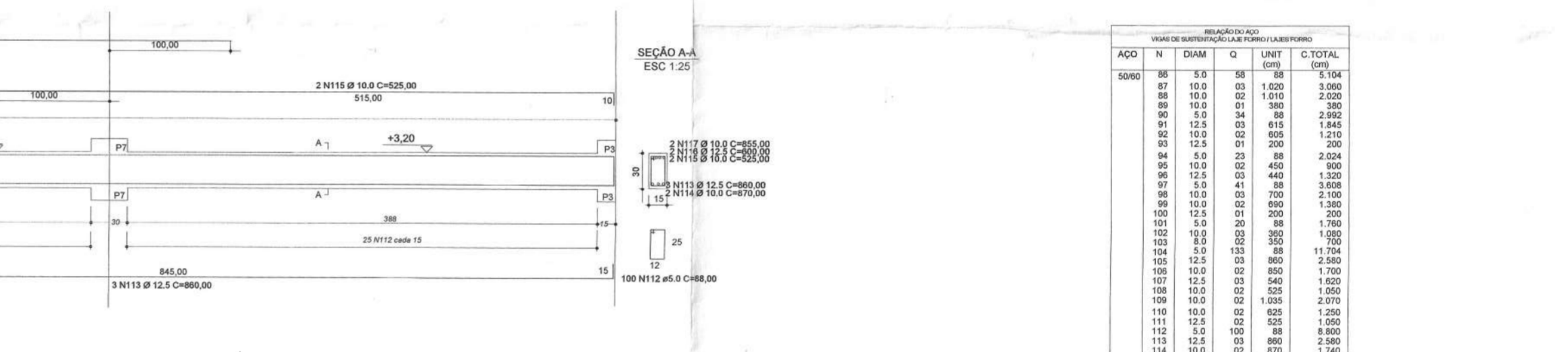
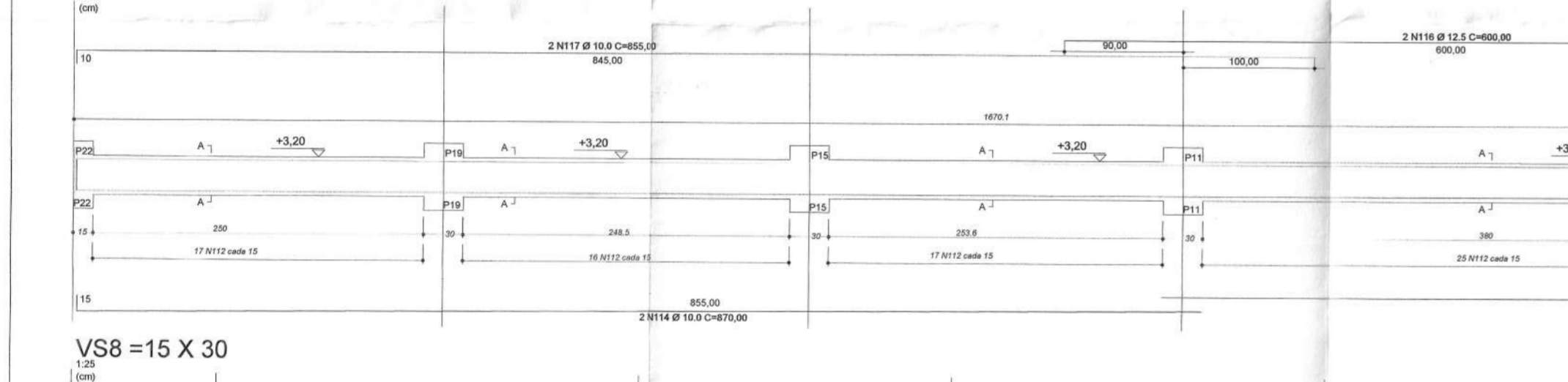
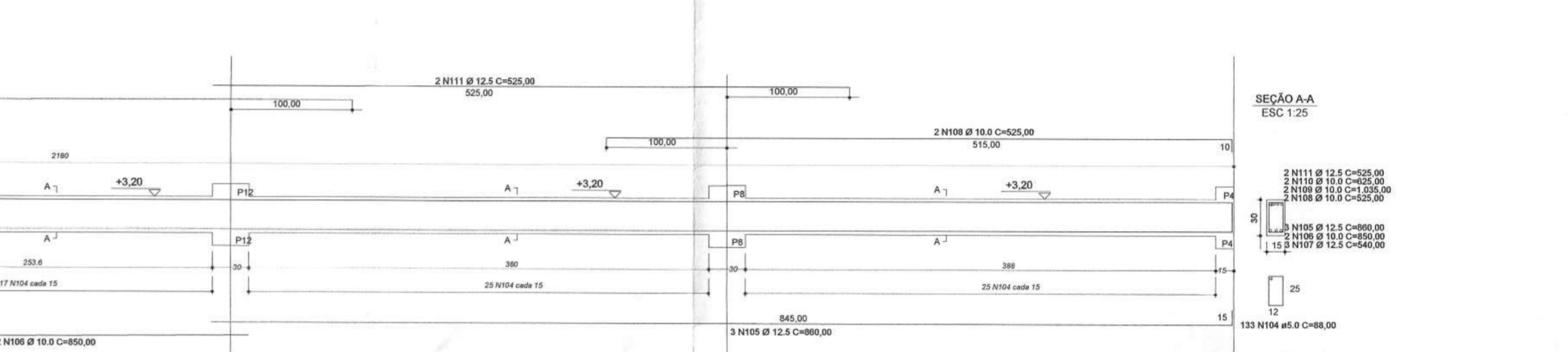
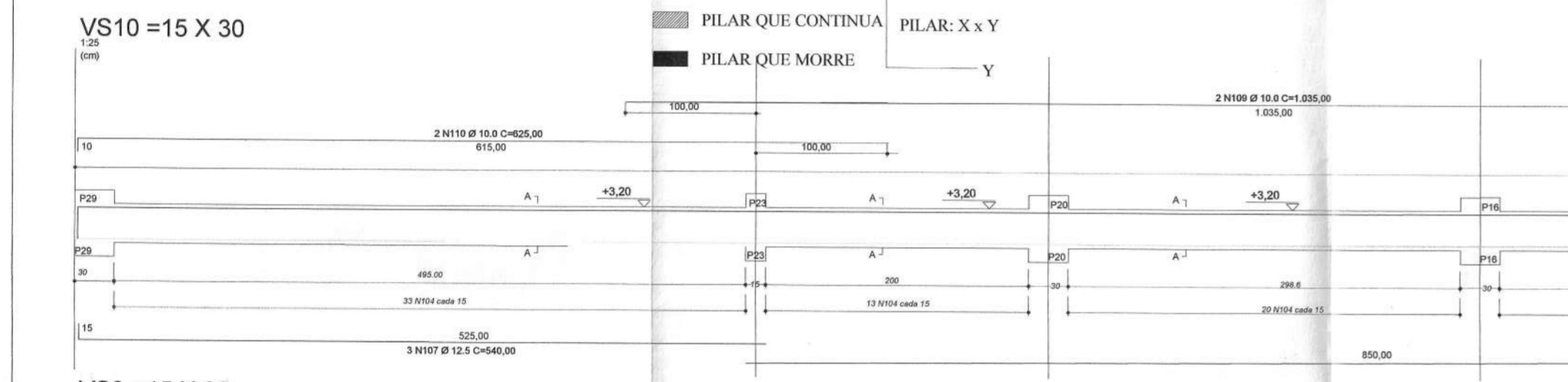
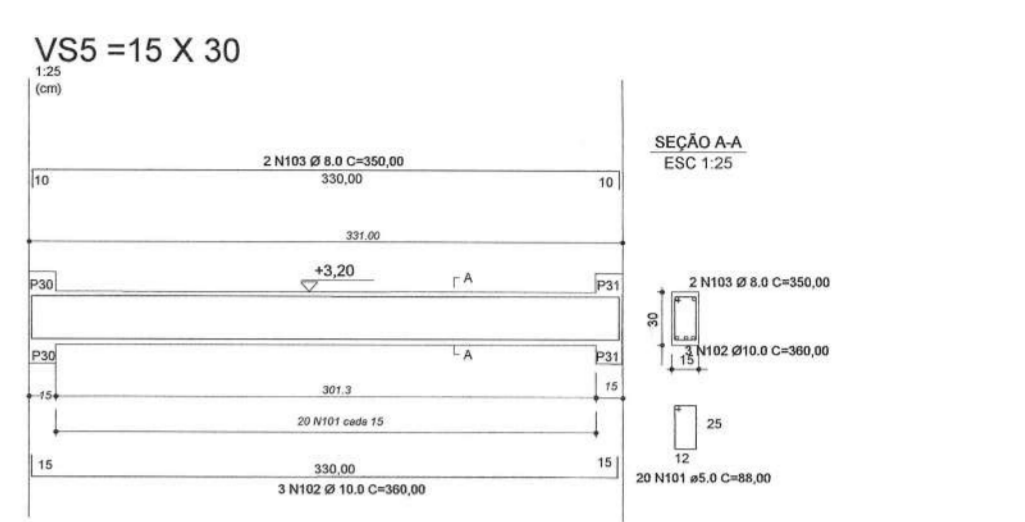
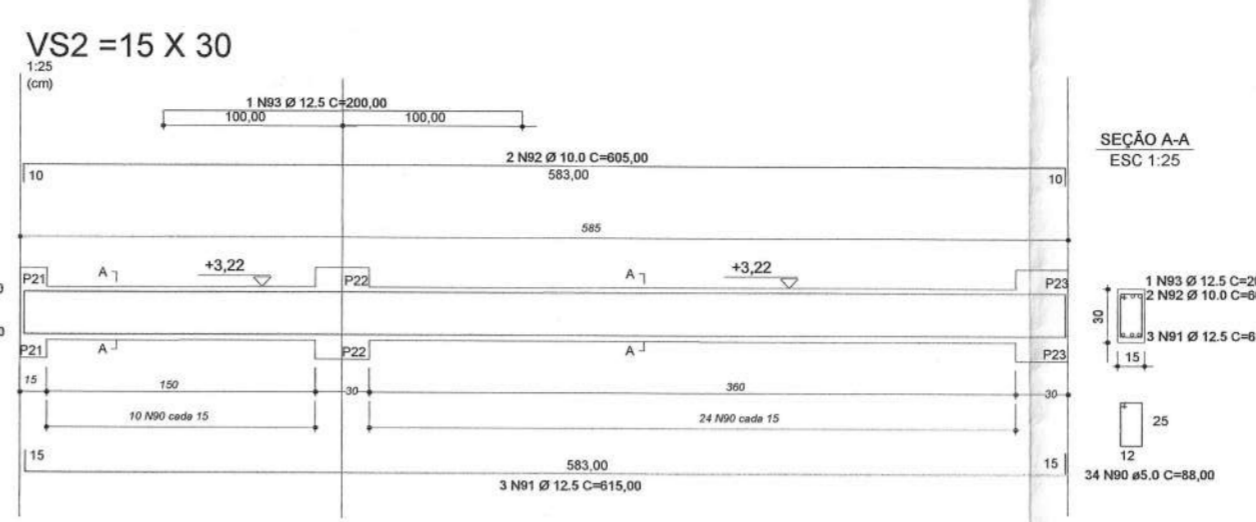
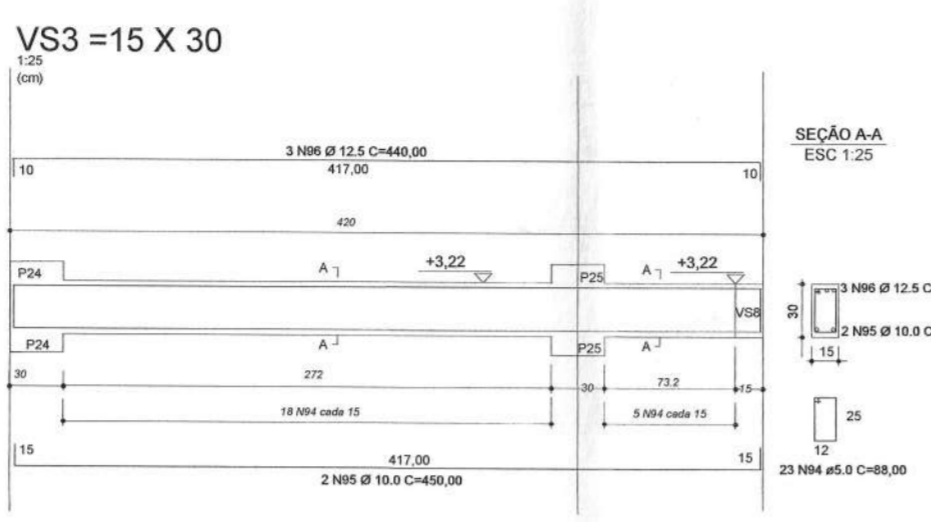
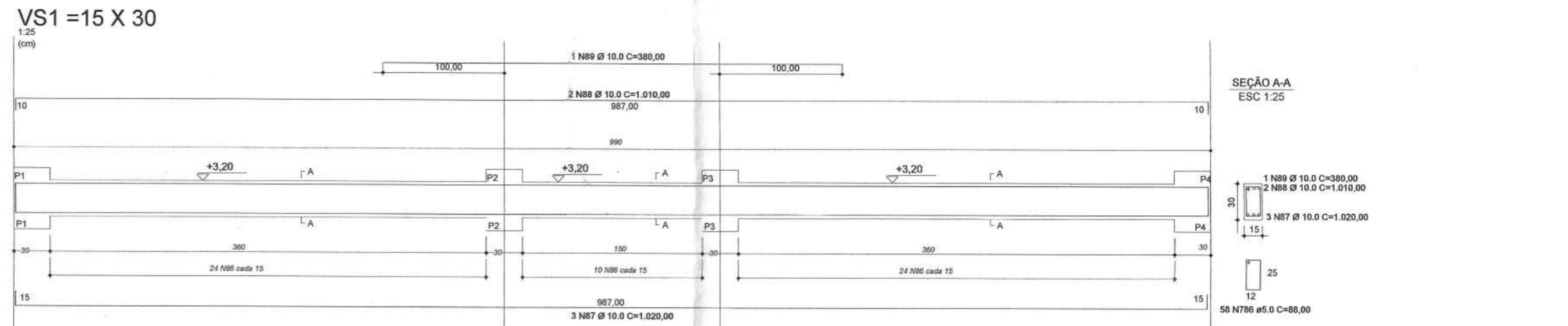


ITEM	QUANTIDADE	UNIDADE	ESPECIFICAÇÃO	VALOR UNITÁRIO	VALOR TOTAL
L1	18,00	m	21mm	10,50	189,00
L2	18,00	m	21mm	10,50	189,00
L3	18,00	m	21mm	10,50	189,00
L4	18,00	m	21mm	10,50	189,00
L5	18,00	m	21mm	10,50	189,00
L6	18,00	m	21mm	10,50	189,00

ITEM	QUANTIDADE	UNIDADE	ESPECIFICAÇÃO	VALOR UNITÁRIO	VALOR TOTAL
L1	18,00	m	21mm	10,50	189,00
L2	18,00	m	21mm	10,50	189,00
L3	18,00	m	21mm	10,50	189,00
L4	18,00	m	21mm	10,50	189,00
L5	18,00	m	21mm	10,50	189,00
L6	18,00	m	21mm	10,50	189,00



ACO	N	DIAM	Q	LNMT	C. TOTAL (cm)
5090	88	8,0	58	88	5.104
87	10,0	03	1.020	3	3.060
88	10,0	02	1.010	2	2.020
89	10,0	01	380	1	380
90	5,0	34	88	2.982	1.491
91	12,5	01	915	1	915
92	10,0	02	605	1	1.210
93	12,5	03	200	1	200
94	5,0	23	88	2.024	1.012
95	10,0	03	440	1	1.320
96	12,5	03	440	1	1.320
97	10,0	03	700	3	3.008
98	10,0	02	550	1	1.100
99	10,0	01	200	1	200
100	12,5	01	200	1	200
101	5,0	20	88	1.760	880
102	10,0	02	350	1	700
103	8,0	02	350	1	700
104	5,0	03	133	58	11.704
105	12,5	03	860	2	1.720
106	10,0	02	860	1	1.720
107	12,5	03	540	1	1.620
108	10,0	02	525	1	1.050
109	10,0	02	1.035	2	2.070
110	10,0	02	825	1	1.650
111	12,5	02	525	1	1.050
112	5,0	10	88	880	440
113	12,5	03	860	2	1.720
114	10,0	02	870	1	1.740
115	10,0	02	525	1	1.050
116	12,5	02	600	1	1.200
117	10,0	02	850	1	1.700
118	5,0	106	88	9.328	4.664
119	12,5	03	860	2	1.720
120	10,0	02	980	1	1.960
121	10,0	02	525	1	1.050
122	12,5	02	600	1	1.200
123	10,0	02	1.050	2	2.100
124	5,0	32	88	2.816	1.408
125	10,0	03	860	1	1.720
126	10,0	02	575	1	1.150
127	12,5	01	200	1	200
128	5,0	139	88	12.232	6.116
129	12,5	03	860	2	1.720
130	10,0	02	970	1	1.940
131	10,0	03	565	1	1.695
132	10,0	02	525	1	1.050
133	12,5	02	525	1	1.050
134	10,0	02	1.145	2	2.290
135	10,0	02	655	1	1.310

Eng. Civil Alyvaro Fiottem Gebraiel Bellaz
 Secretário de Obras e Planejamento
 PREFEITURA DO MUNICÍPIO DE TIETÊ
 APROVADO
 Letícia Garbelotti de Melo
 Engenheira Civil
 CREA 5069600922

ACO	N	DIAM	C. TOTAL (cm)	PESO (kg)	BARRAS (12 m)
5090	88	8,0	603,68	96,59	8
87	6,3	7,00	2,80	0,11	1
88	10,0	380,00	245,70	36	3
89	12,5	252,00	202,00	15	1
90	20,0	---	---	---	---
91-98	---	---	---	---	---
99	272,88	---	---	---	---
100	34,3	---	---	---	---
101	816,14	---	---	---	---

Vol. concreto
 Vigas de sustentação da laje forro/laje forro : 18,26 m³
 Fck = 300,00 kg/cm²
 Consumo mínimo/cimento: 310kg/m³

ORÇAMENTO ALTERNATIVO EM PLANILHA ELETRÔNICA, NÃO AUTORIZADO PELO ARTIGO 130 DO CONDIÇÃO 12 - OBRAS DE RECONSTRUÇÃO DE OBRAS DE INTERESSE PÚBLICO.