





PROJETO ESTRUTURAL	
CAMPUS JAPARATUBA/SE	
CLIENTE:	
INSTITUTO FEDERAL DE SERGIPE - CAMPUS JAPARATUBA	
ENDEREÇO:	ESCALA: 1:100
ROD. DEP. REINALDO MOURA, S/N - JAPARATUBA/SE	
PLANTA:	DATA: MAIO/2025
RESTAURANTE	PRANCHA:
ARMAÇÃO POSITIVA DAS LAJES	13/16
CAMPUS: J A P C A M	
OBRA: E S T	
ESPECIALLIDADE: P E	
FASE: 0 1 3	
SERIAL: 0 1 6	
QUANTITATIVO: R O I	
REVISÃO:	



escala 1:50

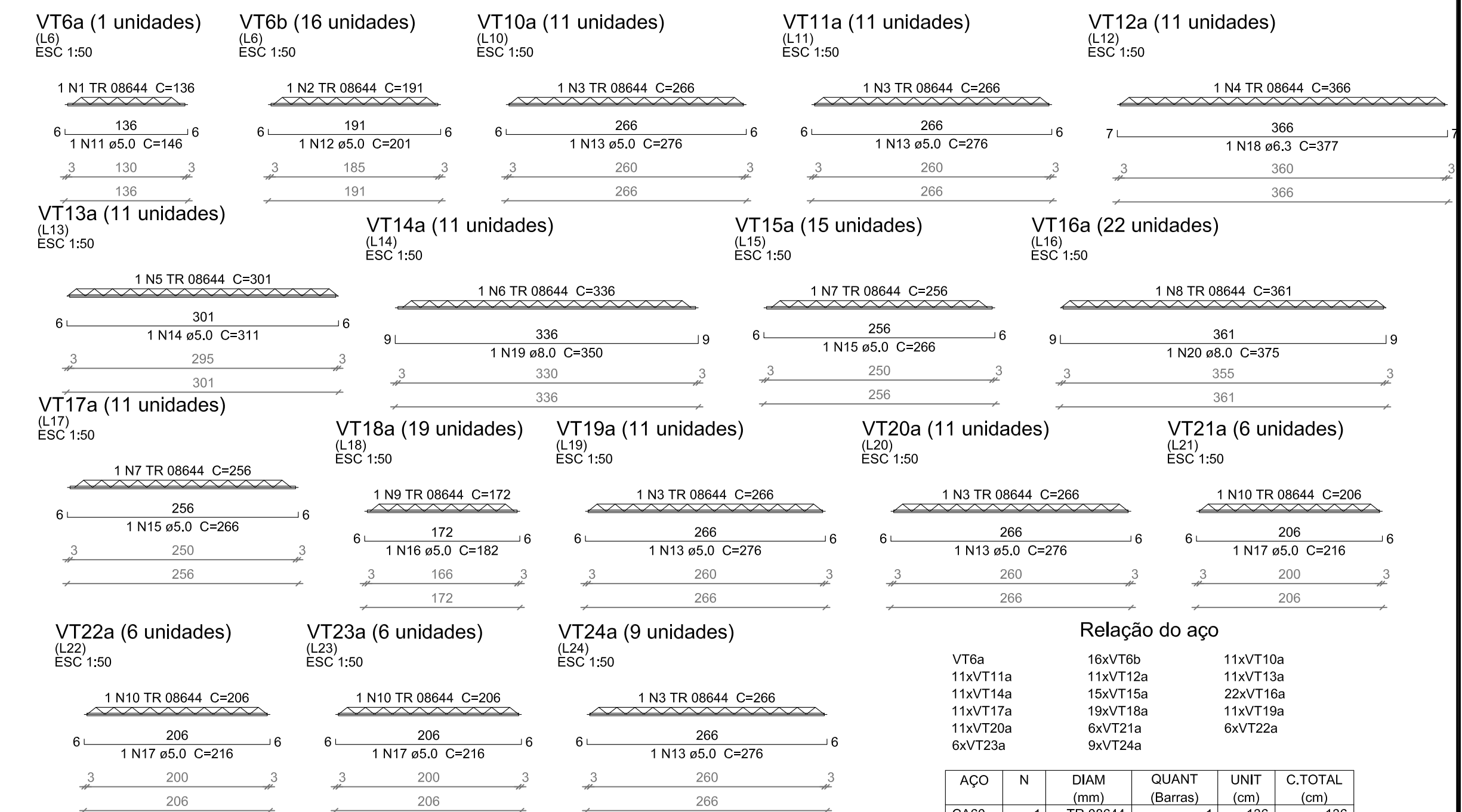
Relação do aço						
Negativos						
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5,0	37	42	1554	
	3	5,0	37	46	1718	
	5	5,0	5	91	455	
	4	5,0	3	136	408	
	1	5,0	4	163	645	
	6	5,0	4	103	412	
	7	5,0	1	91	364	
	8	5,0	4	44	176	
	9	5,0	3	54	162	
	10	5,0	3	108	324	
	11	5,0	1	73	89	
	12	5,0	1	89	89	
	13	5,0	6	107	642	
	14	5,0	3	122	450	
	15	5,0	5	41	205	
	16	5,0	2	53	106	
	20	5,0	236	71	2320	
	21	5,0	4	895	3580	
	22	5,0	7	107	749	
	23	5,0	7	70	630	
	24	5,0	291	64	18624	
	25	5,0	3	104	312	
	26	5,0	3	890	2640	
	27	5,0	16	252	4032	
	28	5,0	4	627	2508	
	29	5,0	290	16	4640	
	31	5,0	52	69	3588	
	31	5,0	6	218	1308	
	32	5,0	12	120	840	
	33	5,0	6	193	1158	
	34	5,0	3	299	897	
	35	5,0	2	288	864	
	36	5,0	3	188	564	
	37	5,0	6	152	912	
	38	5,0	1	191	573	
	39	5,0	33	65	2145	
	40	5,0	4	660	2640	
	41	5,0	117	180	1530	
	42	5,0	6	136	816	
	43	5,0	184	60	9840	
44	5,0	3	635	1905		
45	5,0	61	105	6405		
46	5,0	5	312	1560		
47	5,0	VAR	VAR	VAR		
48	5,0	6	VAR	VAR		
49	5,0	3	295	885		
50	5,0	3	362	1086		
51	5,0	10	79	750		
52	5,0	6	427	2562		
53	5,0	4	457	5484		
54	5,0	16	71	1136		
55	5,0	3	256	768		
56	5,0	399	10	4780		
57	5,0	6	455	2730		
58	5,0	3	254	762		
59	5,0	3	359	1077		
60	5,0	6	449	2694		
61	5,0	6	448	2688		
62	5,0	3	294	882		
63	5,0	6	302	1812		
64	5,0	6	436	2616		
65	5,0	3	332	996		
67	5,0	6	322	1932		
68	5,0	3	394	1182		
69	5,0	3	253	759		
70	5,0	6	173	1038		
71	5,0	6	255	1530		
72	5,0	3	499	1497		
73	5,0	6	261	1566		
74	5,0	6	358	1074		
75	5,0	6	430	2580		
76	5,0	6	59	354		
77	5,0	4	114	684		
78	5,0	24	265	6360		
79	5,0	6	171	1026		
80	5,0	12	152	1152		
81	5,0	12	205	2460		
82	5,0	6	199	1194		
83	5,0	12	204	2448		
84	5,0	6	403	2418		
85	5,0	6	262	1572		
86	5,0	6	267	1602		
87	5,0	6	382	2292		
88	5,0	6	67	67		
89	6,3	3	114	342		
90	6,3	3	88	264		
91	6,3	3	162	486		
92	6,3	2	95	190		
93	6,3	3	182	546		
94	8,0	2	147	294		
95	8,0	2	187	374		
96	8,0	6	114	684		
97	8,0	5	139	695		
98	8,0	6	138	628		
99	8,0	6	107	642		
100	8,0	3	86	258		
101	8,0	5	213	1035		
102	8,0	3	92	184		
103	8,0	1	91	91		
104	8,0	4	142	568		
105	8,0	3	109	478		
106	10,0	3	89	267		
107	10,0	5	207	1035		
108	10,0	3	90	80		

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	13.5	3.6
	8.0	58.9	25.5
	10.0	14	9.4
CA60	5.0	2371.1	402
PESO TOTAL (kg)			
CA50	38.6		
CA60	402		

 <p>INSTITUTO FEDERAL SERGIPE</p>	<p>AUTOR DO PROJETO:</p> <p>Eng.º. Fredrico Damasceno Pinheiro</p> <p>CREA 270082778-3</p>	 <p>engenharia.br</p>
	<p>ENDEREÇO:</p> <p>Rua Dom José Thomaz, 194 - Bairro São José - Aracaju/SE</p> <p>dipope@ifs.edu.br</p> <p>TEL: (79)3711-3139</p>	

## 14/16





AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	41.5	11.2
CA60	8.0	121	52.5
	TR 08644	499	403.4
	5.0	356.8	60.5
PESO TOTAL (kg)			
CA50	63.7		
CA60	463.9		

### Relação do aço

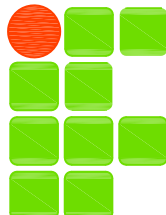
VT6a	16xVT6b	11xVT10a
11xVT11a	11xVT12a	11xVT13a
11xVT14a	15xVT15a	22xVT16a
11xVT17a	19xVT18a	11xVT19a
11xVT20a	6xVT21a	6xVT22a
6xVT23a	9xVT24a	

ÇAÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 08644	1	136	136
	2	TR 08644	16	191	3056
	3	TR 08644	53	266	14098
	4	TR 08644	11	366	4026
	5	TR 08644	11	301	3311
	6	TR 08644	15	366	3696
	7	TR 08644	26	256	6656
	8	TR 08644	22	361	7942
	9	TR 08644	19	172	3288
	10	TR 08644	18	206	3708
	11	5,0	1	146	146
	12	5,0	12	161	1932
CA50	13	5,0	53	276	14628
	14	5,0	11	311	3421
	15	5,0	26	266	6916
	16	5,0	19	182	3458
	17	5,0	18	212	3888
	18	6,3	11	377	4147
	19	8,0	11	350	3850
	20	8,0	22	375	8250

# Planta de vigotas pré-moldadas


Nº	ALTERAÇÃO/REVISÕES	REVISADO POR	DATA



INSTITUTO FEDERAL  
SERGIPE

AUTOR DO PROJETO:

Engº. Fredrico Damasceno Pinheiro  
CREA 270082778-3



ad  
ENGENHARIA  
adengenharia.eng.br

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# PROJETO ESTRUTURAL

## CAMPUS JAPARATUBA/SE

CLIENTE:

INSTITUTO FEDERAL DE SERGIPE - CAMPUS JAPARATUBA

ENDEREÇO:

ROD. DEP. REINALDO MOURA, S/N - JAPARATUBA/SE

PLANTA:

RESTAURANTE  
ARMAÇÃO VIGOTAS DAS LAJES

CAMPU: J A P O A M E S T P E O 1 5 O 1 6 R O 1

OBRA: O 1 5 O 1 6 R O 1

ESPECIALIDADE: E S T

FASE: P E

SERIAL: O 1 5 O 1 6

QUANTITATIVO: R O 1

REVISÃO: 0 1

ESCALA: 1:100

DATA: MAIO/2025

PRANCHA:

15/16

