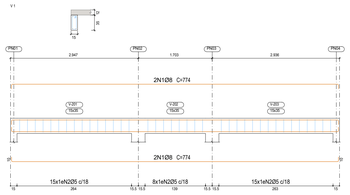
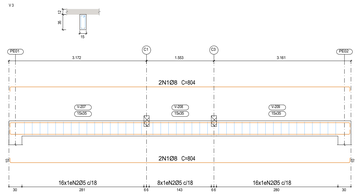
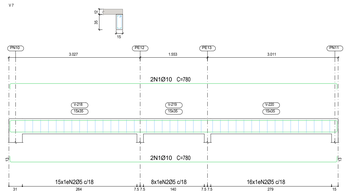
V1



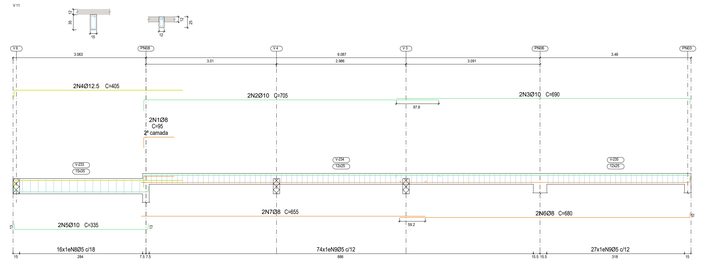
V3



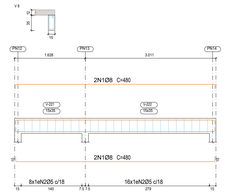
V7



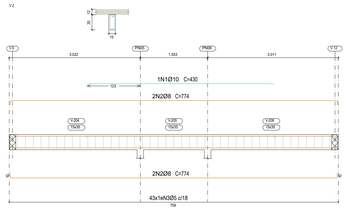
V11



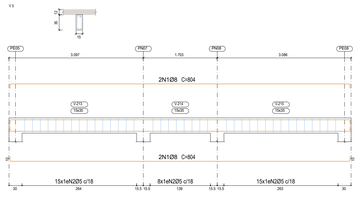
V8



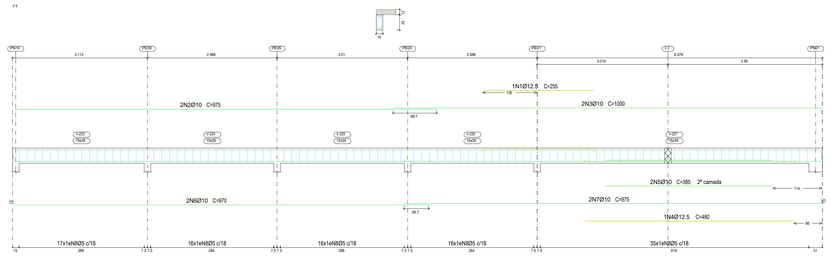
V2



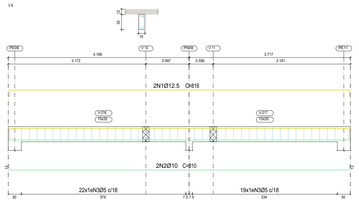
V5



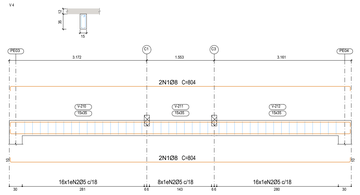
V9



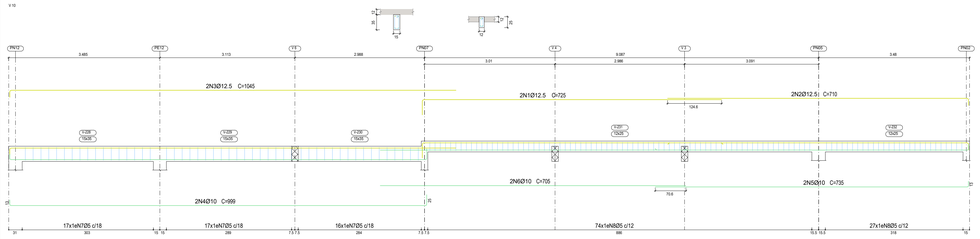
V6



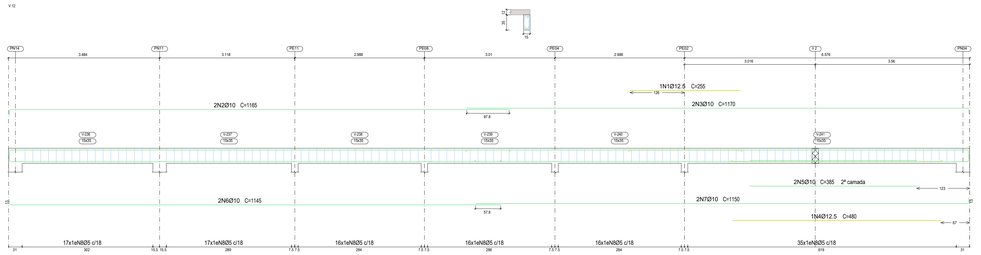
V4



V10



V12



Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø8	206.2	90	
	Ø10	321.5	218	
	Ø12.5	88.7	94	402
CA-60	Ø5	640.9	111	111
Total				513

Cobertura +14.64
Desenho de vigas
Concreto: C30, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	Ø8	4	20 754 15	774	3096	12.2	
	2	Ø5	36	5 74 10	88	3344		5.3
					Total+10%		13.4	5.8
V 2	1	Ø10	1	430	430	430	2.6	
	2	Ø8	4	20 754 15	774	3096	12.2	
	3	Ø5	43	5 74 10	88	3784		5.9
					Total+10%		16.3	6.5
V 3	1	Ø8	4	20 754 15	804	3216	12.7	
	2	Ø5	40	5 74 10	88	3520		5.5
					Total+10%		14.0	6.1
V 6	1	Ø12.5	2	20 754 15	816	1632	15.7	
	2	Ø10	2	20 754 15	810	1620	10.0	
	3	Ø5	41	5 74 10	88	3608		5.7
					Total+10%		28.3	6.3
V 5	1	Ø8	4	20 754 15	804	3216	12.7	
	2	Ø5	38	5 74 10	88	3344		5.3
					Total+10%		14.0	5.8
V 4	1	Ø8	4	20 754 15	804	3216	12.7	
	2	Ø5	40	5 74 10	88	3520		5.5
					Total+10%		14.0	6.1
V 7	1	Ø10	4	20 754 15	780	3120	19.2	
	2	Ø5	39	5 74 10	88	3432		5.4
					Total+10%		21.1	5.9
V 9	1	Ø12.5	1	255	255	255	2.5	
	2	Ø10	2	975	975	1950	12.0	
	3	Ø10	2	20 997 15	1000	2000	12.3	
	4	Ø12.5	1	460	460	460	4.6	
	5	Ø10	2	385	385	770	4.7	
	6	Ø10	2	20 967 15	970	1940	12.0	
	7	Ø10	2	20 962 15	975	1950	12.0	
	8	Ø5	100	5 74 10	88	8800		13.6
					Total+10%		66.1	15.2
V 10	1	Ø12.5	2	20 690 15	725	1450	14.0	
	2	Ø12.5	2	20 694 15	710	1420	13.7	
	3	Ø12.5	2	20 1039 15	1045	2090	20.1	
	4	Ø10	2	20 961 15	999	1998	12.3	
	5	Ø10	2	20 722 15	735	1470	9.1	
	6	Ø10	2	705	705	1410	8.7	
	7	Ø5	50	5 74 10	88	4400		6.9
	8	Ø5	101	5 62 7	62	6262		9.8
					Total+10%		85.7	16.4
V 11	1	Ø8	2	20 74 15	95	190	0.8	
	2	Ø10	2	20 680 15	705	1410	8.7	
	3	Ø10	2	20 677 15	690	1380	8.5	
	4	Ø12.5	2	20 399 15	405	810	7.8	
	5	Ø10	2	20 309 15	335	670	4.1	
	6	Ø8	2	20 675 15	680	1360	5.4	
	7	Ø8	2	655	655	1310	5.2	
	8	Ø5	16	5 74 10	88	1408		2.2
	9	Ø5	101	5 62 7	62	6262		9.8
					Total+10%		44.6	13.2
V 8	1	Ø8	4	20 459 15	480	1920	7.6	
	2	Ø5	24	5 74 10	88	2112		3.3
					Total+10%		8.4	3.6
V 12	1	Ø12.5	1	255	255	255	2.5	
	2	Ø10	2	20 1152 15	1165	2330	14.4	
	3	Ø10	2	20 1157 15	1170	2340	14.4	
	4	Ø12.5	1	460	460	460	4.6	
	5	Ø10	2	385	385	770	4.7	
	6	Ø10	2	20 1132 15	1145	2290	14.1	
	7	Ø10	2	20 1137 15	1150	2300	14.2	
	8	Ø5	117	5 74 10	88	10296		16.2
					Total+10%		75.8	17.8
					Ø5:	0.0		110.7
					Ø8:	89.7		0.0
					Ø10:	217.9		0.0
					Ø12.5	94.1		0.0
					Total:	401.7		110.7

gov.br
Documento assinado digitalmente
JOSE VITOR DE JESUS COSTA
Data: 07/07/2025 12:25:29-0300
Verifique em https://validar.iti.gov.br

SECRETARIA DE ESTADO DA SEGURANÇA PÚBLICA
SERGIPE GOVERNO DO ESTADO
DIRETORIA DE ARQUITETURA E EDIFICAÇÕES
PRAÇA TOBIAS BARRETO, nº 20, BAIRRO SÃO JOSÉ
CEP: 49060-220 ARACAJU/SE
TELS: (79)3216-5454 / (79)98851-9337

TIPO: PROJETO DE ESTRUTURA EM CONCRETO ARMADO	Nº DA PRANCHA: 07/09
ASSUNTO: DETALHAMENTO DE VIGAS - COBERTURA	
END.: Centro Administrativo Governador Augusto Franco – Capucho BLOCO 01	
AUTOR DO PROJETO: JOSÉ VITOR DE JESUS COSTA	
RESPONSÁVEL TÉCNICO: JOSÉ VITOR DE JESUS COSTA	CREA: 2719438219SE
ESCALA: 1/50 / DATA: 07/2025 / DESENHISTA: JOSÉ VITOR DE JESUS COSTA	