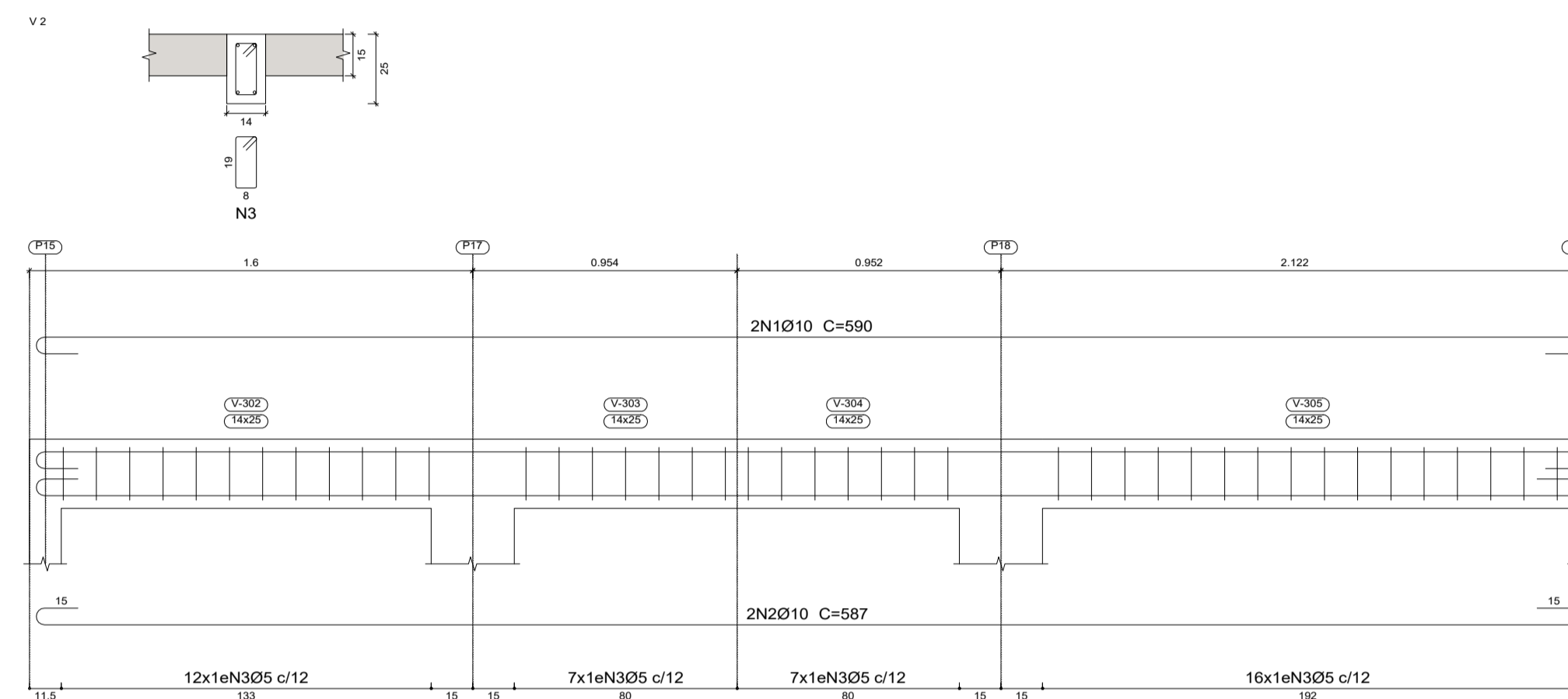
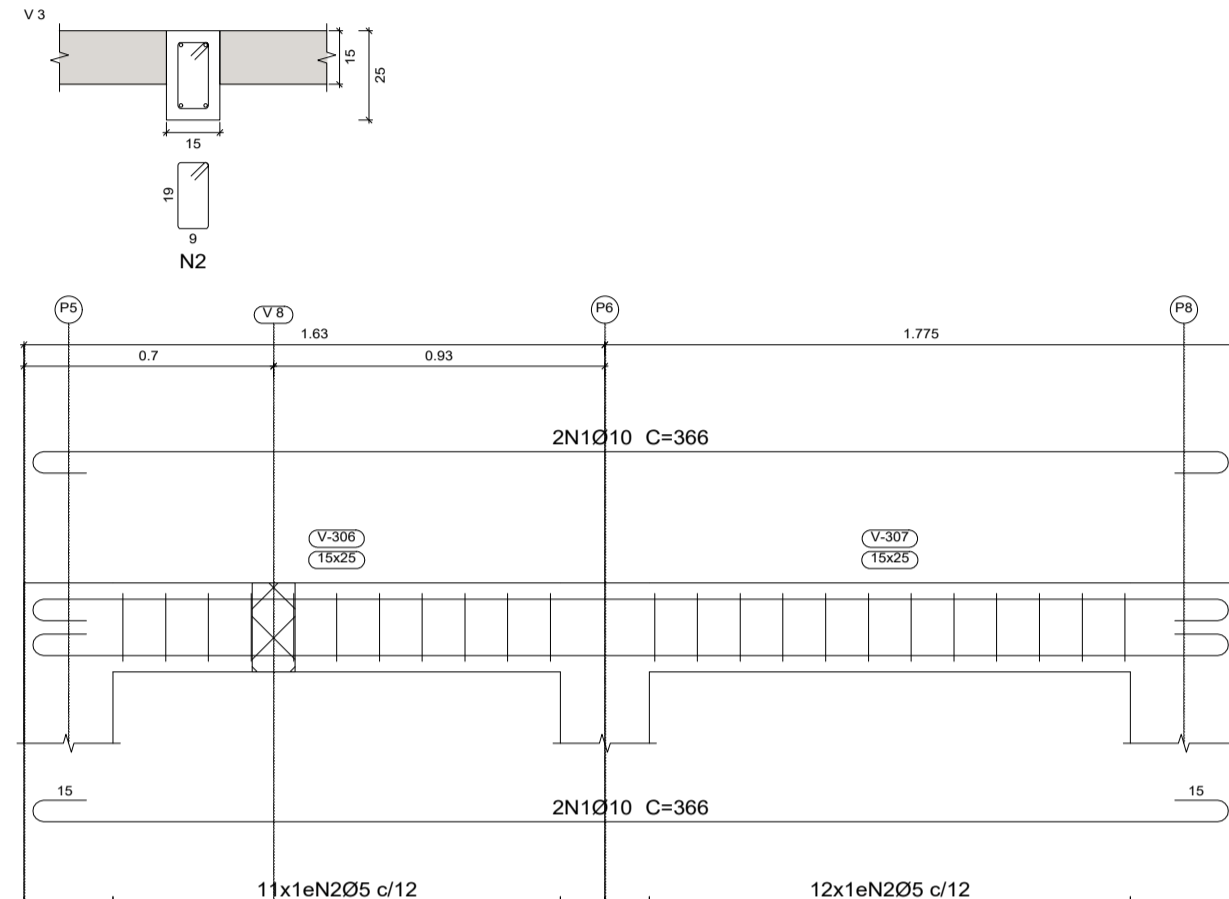
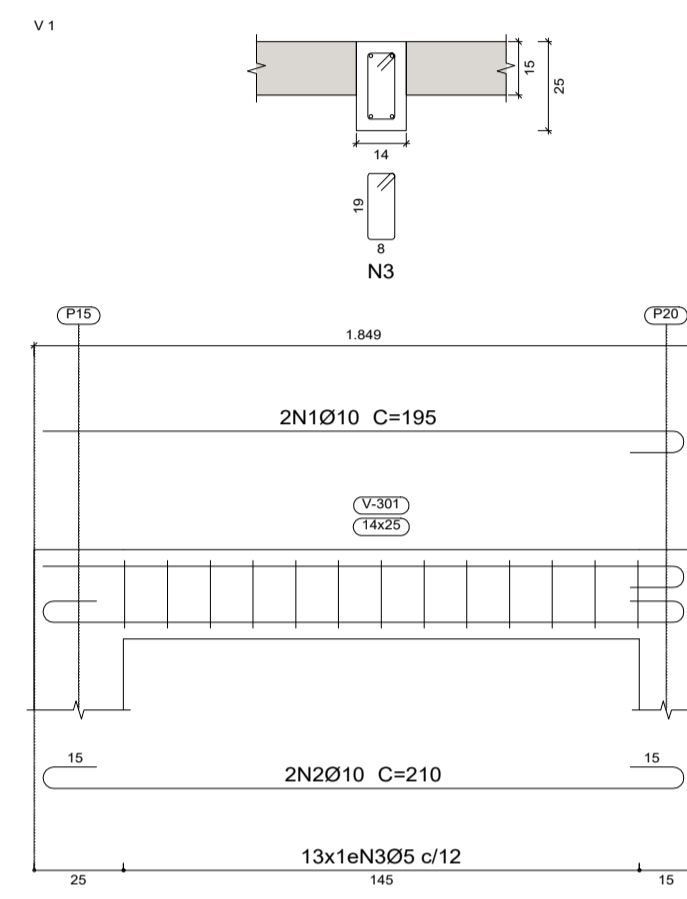


Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	Ø10	2		195	390	2.4	
	2	Ø10	2		210	420	2.6	
	3	Ø5	13		62	806		1.3
Total:					9.0	1464	5.0	1.3
V 3	1	Ø10	4		366	1464	9.0	
	2	Ø5	23		64	1472		2.3
Total:					9.0	9.0	2.3	
Ø5:					0.0	0.0	3.6	
Ø10:					14.0	14.0	0.0	
Total:					14.0	14.0	3.6	

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 2	1	Ø10	2		590	1180	7.3	
	2	Ø10	2		587	1174	7.2	
	3	Ø5	42		62	2604		4.1
Total:					14.5	14.5	4.1	
Ø5:					0.0	0.0	4.1	
Ø10:					14.5	14.5	0.0	
Total:					14.5	14.5	4.1	

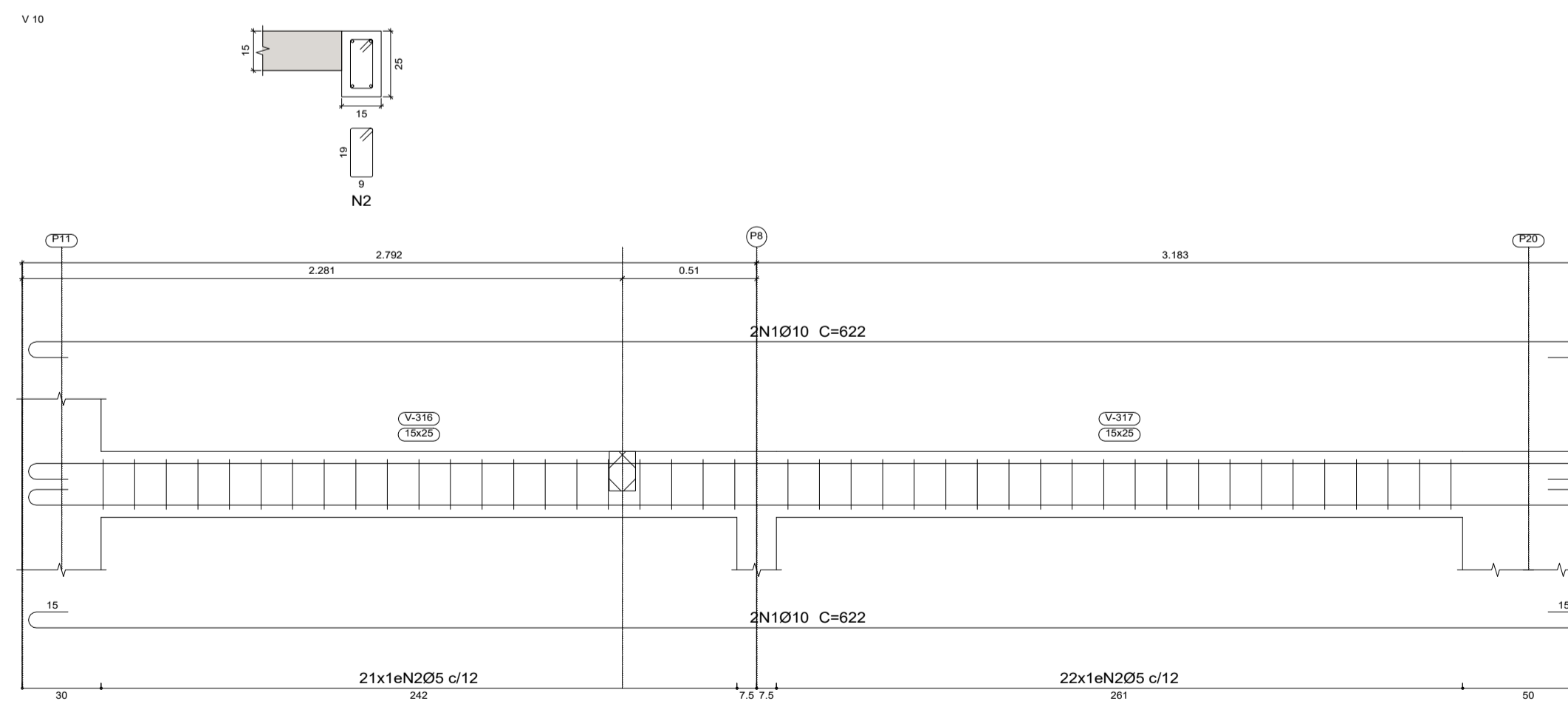
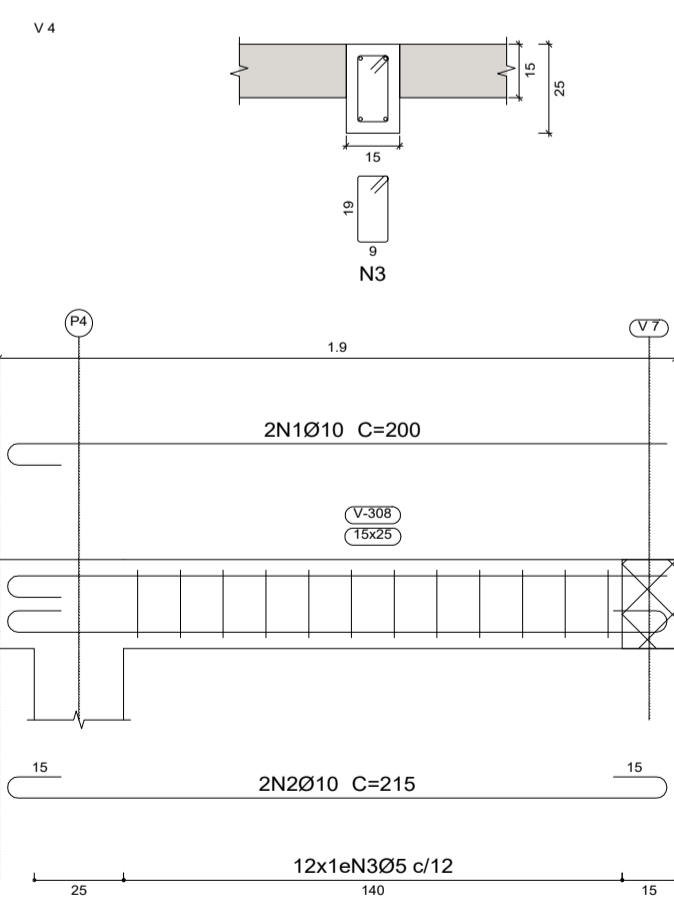
Resumo Aço	Comp. total (m)	Peso (kg)	Total
CA-50 Ø10	142.0	88	88
CA-60 Ø5	146.1	23	23
Total			111



Laje
 Desenho de vigas
 Concreto: C25, em geral
 Aço das barras: CA-50 e CA-60
 Aço dos estribos: CA-50 e CA-60
 Escala vigas 1:20
 Escala seções 1:20
 Escala aberturas 1:20

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 4	1	Ø10	2		200	400	2.5	
	2	Ø10	2		215	430	2.6	
	3	Ø5	12		64	768		1.2
Total:					5.1	1.2		
Ø5:					0.0	1.2		
Ø10:					5.1	0.0		
Total:					5.1	1.2		

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 10	1	Ø10	4		622	2488	15.3	
	2	Ø5	43		64	2752		4.3
	Total:					15.3	4.3	
Ø5:					0.0	4.3		
Ø10:					15.3	0.0		
Total:					15.3	4.3		



BOMBEIROS OU NATURATINS	PREFEITURA
	CREA



PROJETO ESTRUTURAL

OBRA: GUARITA
 ENDEREÇO: RUA ESMELINDA - CENTRO BANDEIRANTES DO TOCANTINS

PROPRIETÁRIO:
 PREFEITURA MUNICIPAL DE BANDEIRANTES DO TOCANTINS
 CNPJ: 01.612.819/0001-72

AUTOR / RESP. TÉCNICO:

 IGOR GUIMARÃES MATIAS Engenheiro Civil
 ENG. CIVIL CREA: 315014/AP-TO

CONTEÚDO: VIGAS COBERTURA VIGAS V1 VIGAS V2 VIGAS V3 VIGAS V4 VIGAS V10	FORMATO A1 (841x594)mm	ESCALA INDICADA	DATA JAN./2021	PRANCHA 18/19
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