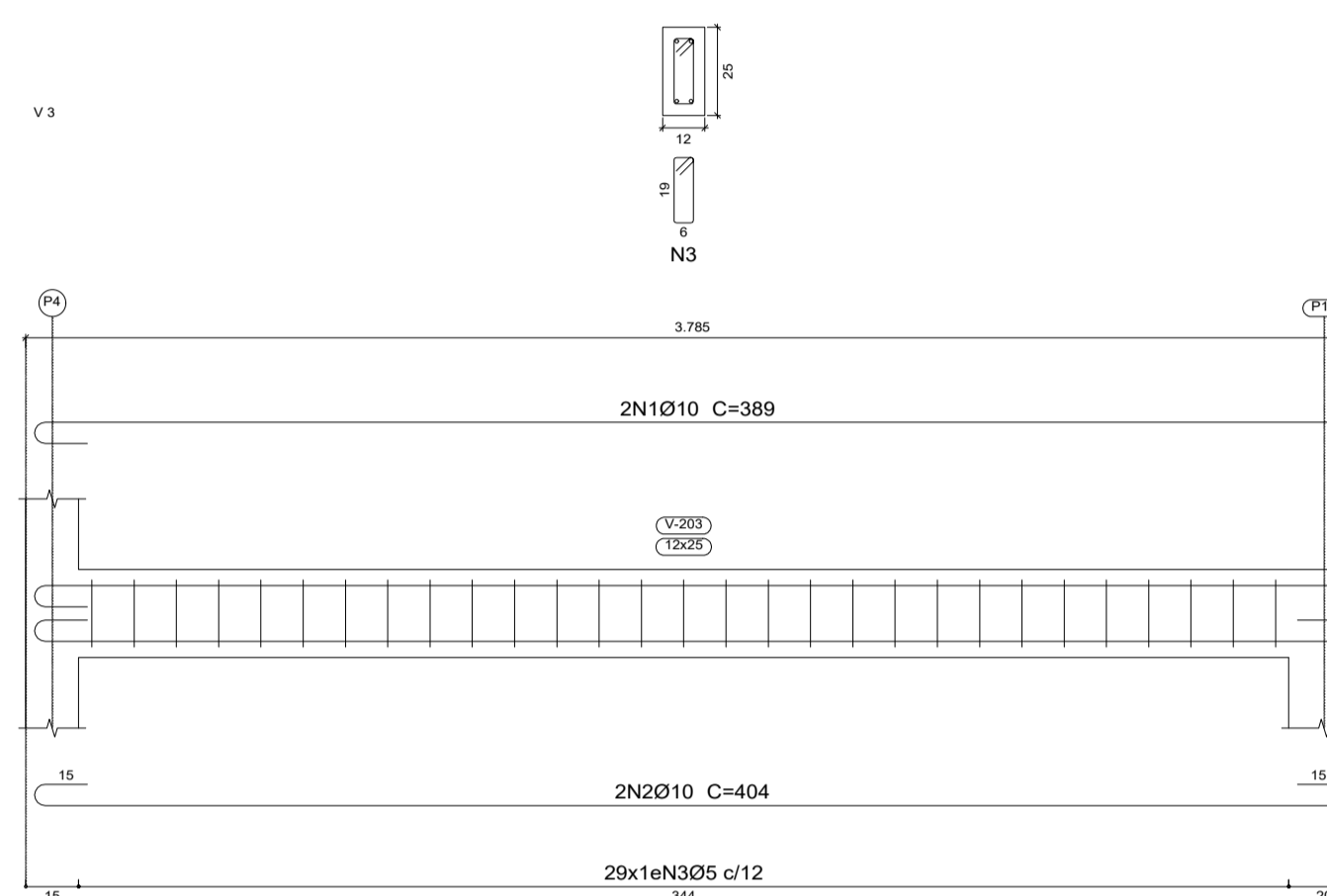
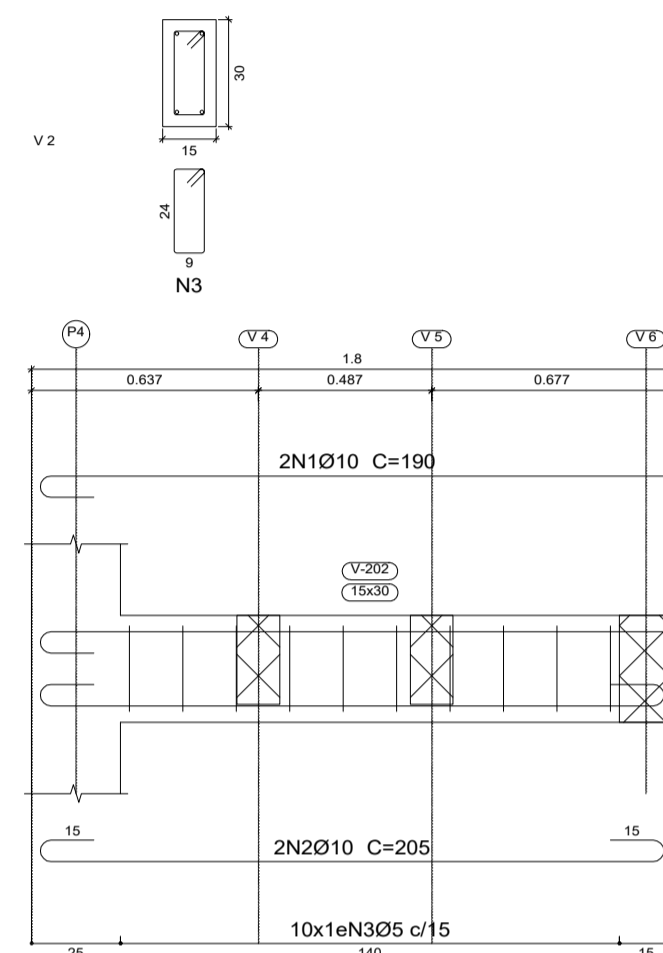
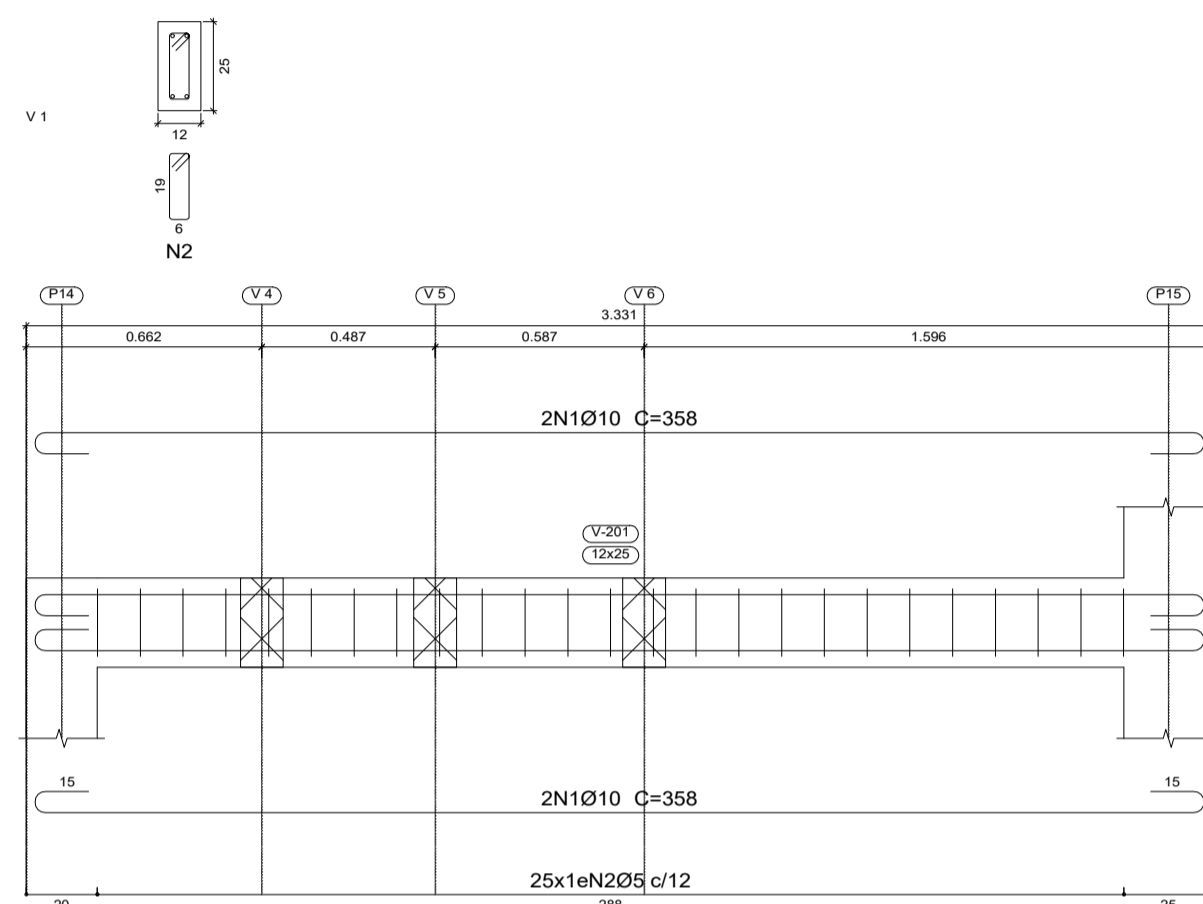


Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
V 1	1	Ø10	4		358	1432	8.8		
	2	Ø5	25		58	1450		2.3	
Total:							8.8	2.3	
V 2	1	Ø10	2		190	380	2.3		
	2	Ø10	2		205	410	2.5		
	3	Ø5	10		74	740		1.2	
Total:							4.8	1.2	
							Ø5:	0.0	3.5
							Ø10:	13.6	0.0
							Total:	13.6	3.5

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
V 3	1	Ø10	2		389	778	4.8		
	2	Ø10	2		404	808	5.0		
	3	Ø5	29		58	1682		2.6	
Total:							9.8	2.6	
							Ø5:	0.0	2.6
							Ø10:	9.8	0.0
							Total:	9.8	2.6

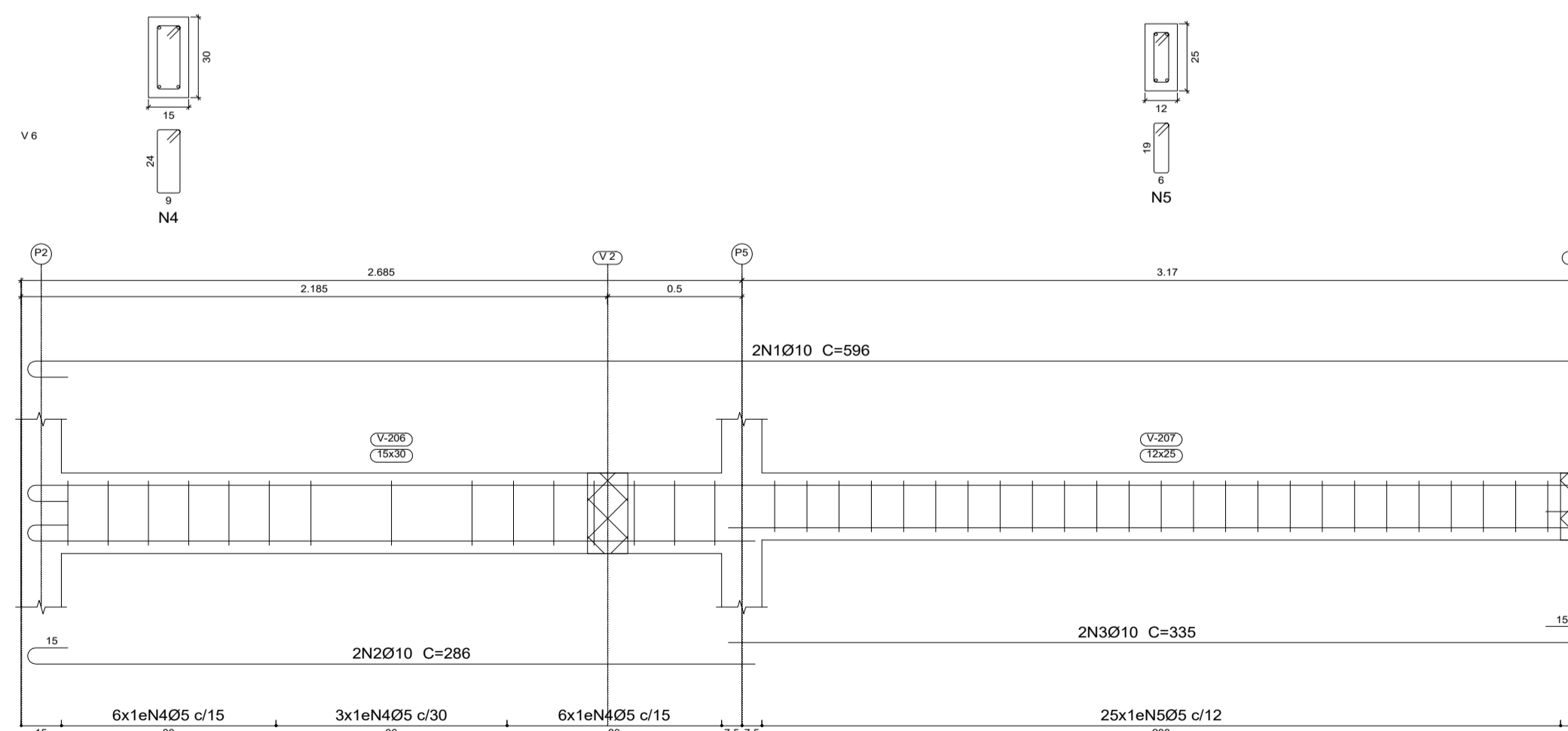
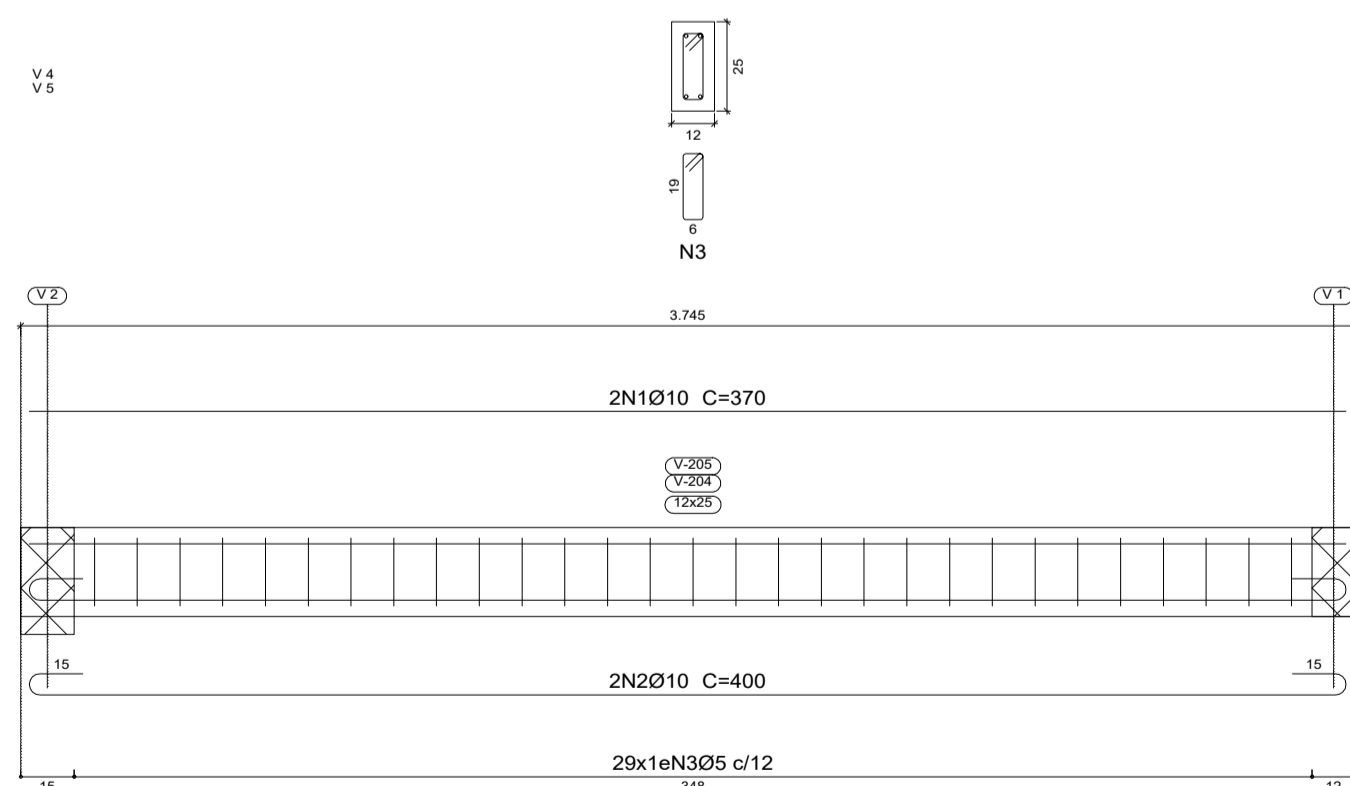
Resumo Aço	Comp. total (m)	Peso (kg)	Total
CA-50 Ø10	93.2	57	57
CA-60 Ø5	98.0	15	15
Total			72



Pilar e pergolado
 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=V 5	1	Ø10	2		370	740	4.6		
	2	Ø10	2		400	800	4.9		
	3	Ø5	29		58	1682		2.6	
Total:							9.5	2.6	
							(x2):	19.0	5.2
							Ø5:	0.0	5.2
							Ø10:	19.0	0.0
							Total:	19.0	5.2

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
V 6	1	Ø10	2		596	1192	7.3		
	2	Ø10	2		286	572	3.5		
	3	Ø10	2		335	670	4.1		
	4	Ø5	15		74	1110		1.7	
	5	Ø5	25		58	1450		2.3	
Total:							14.9	4.0	
							Ø5:	0.0	4.0
							Ø10:	14.9	0.0
							Total:	14.9	4.0



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
 CREA 315014/AP-TO

CONTEÚDO:
 VIGAS COBERTURA
 VIGAS V1
 VIGAS V2
 VIGAS V3
 VIGAS V4=V5
 VIGAS V6

FORMATO A1 (841x594)mm	ESCALA INDICADA	DATA JAN./2021	PRANCHA 17/19
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