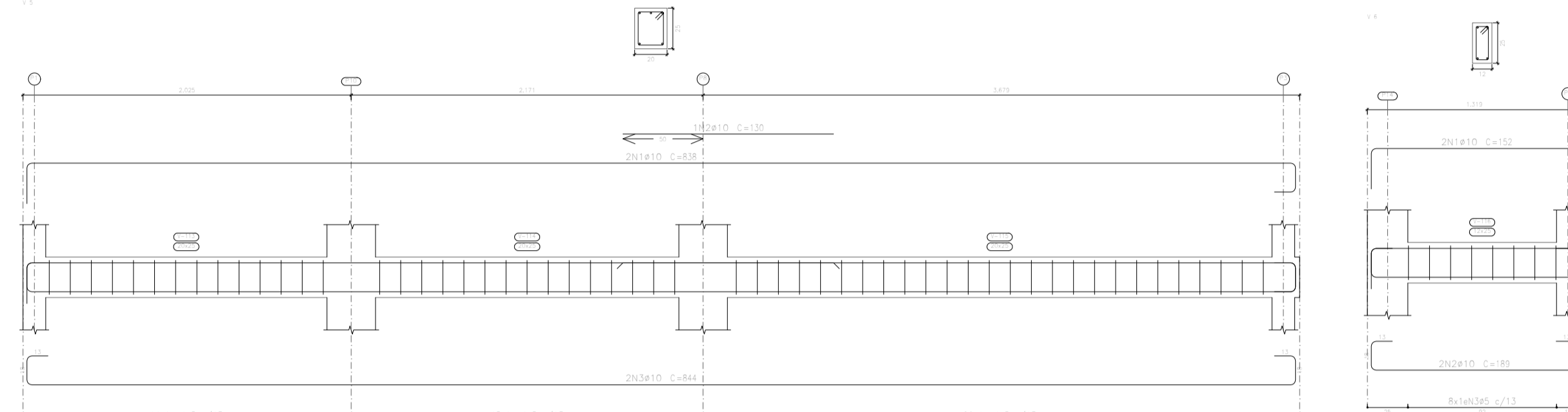
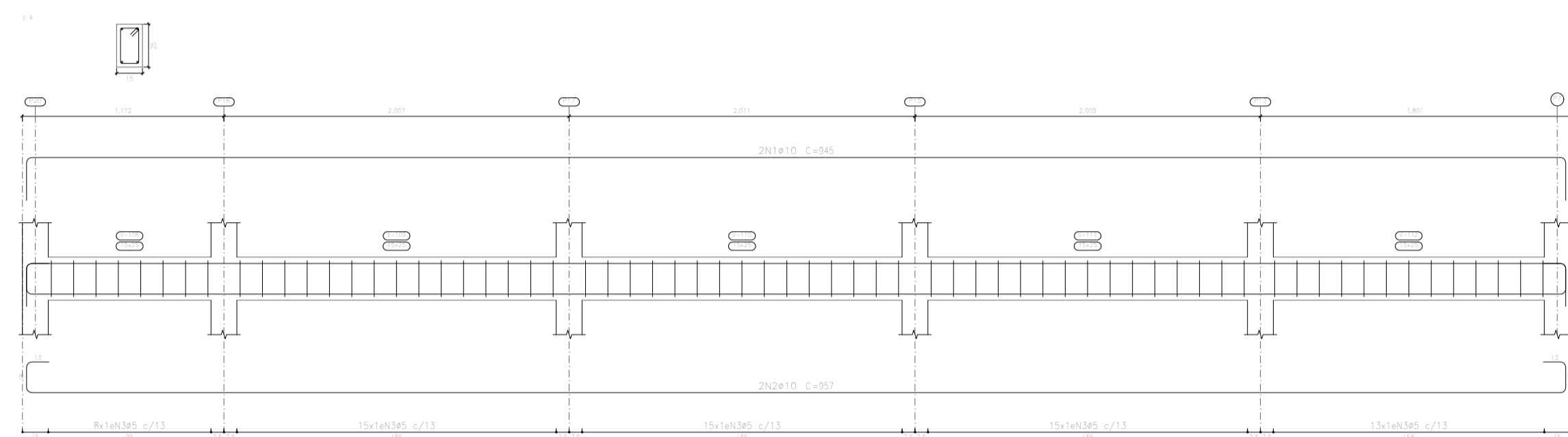
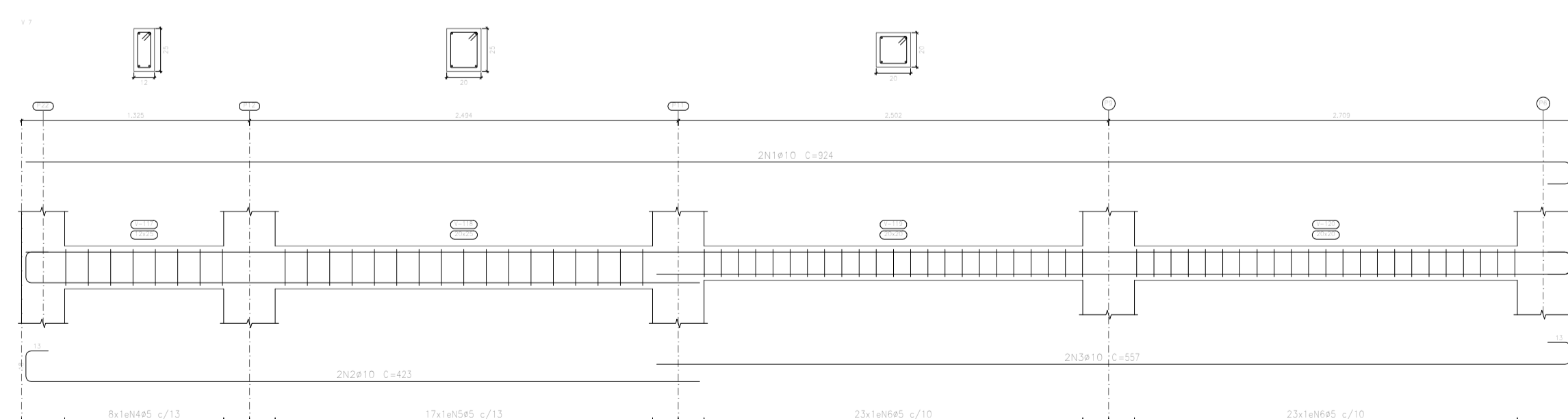
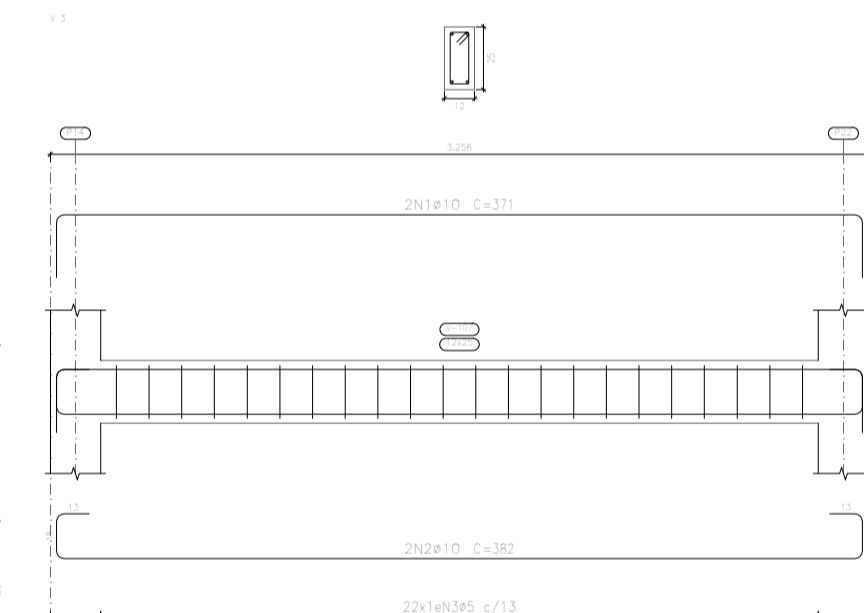
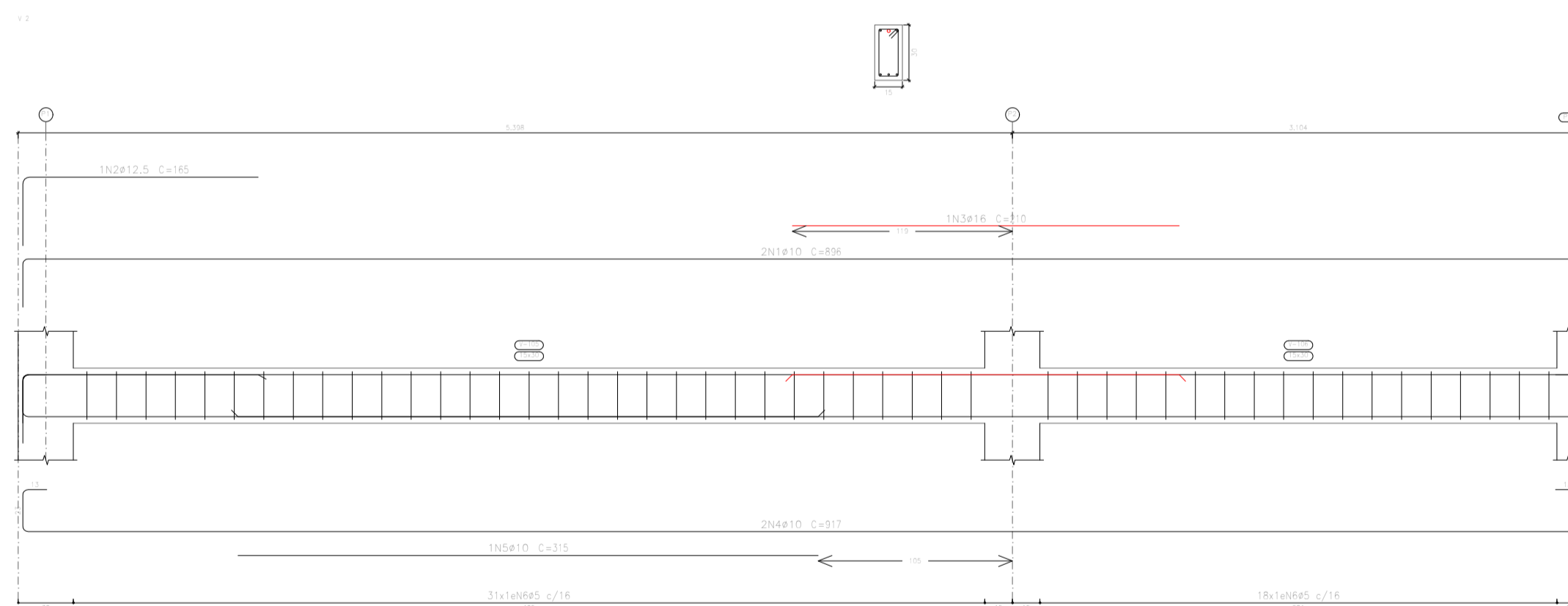
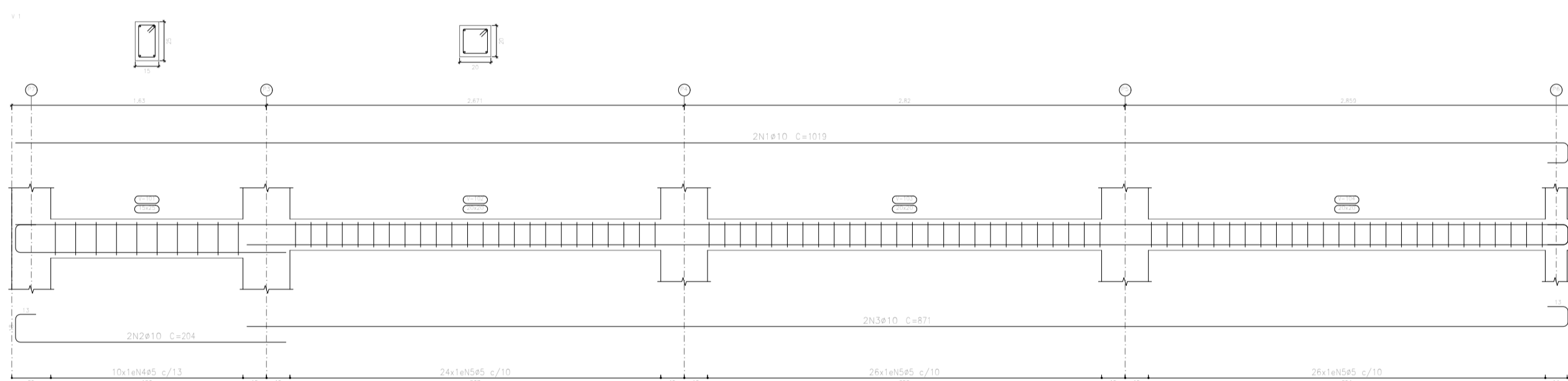


RESUMO
 Desenho de vigas
 Escala: 2/20, em geral
 Aço das barras: CA-50 e CA-60
 Aço dos estribos: CA-50 e CA-60
 Escala vigas 1/20
 Escala seções 1/20
 Escala aberturas 1/20



Elemento	Pos.	Diâm.	Q.	Esquema (cm)	Comp. (cm)	Comp. (m)	CA-50 (kg)	CA-60 (kg)	
V.1	1	#10	3	[Diagram]	1019	2038	12,6		
	2	#17,5	2	[Diagram]	244	488	2,5		
	3	#16	4	[Diagram]	871	3484	15,3		
	4	#5	16	[Diagram]	72	1152		1,1	
	5	#5	16	[Diagram]	72	1152		1,1	
100x170							28,4	19,1	
V.2	1	#10	3	[Diagram]	836	1672	11,0		
	2	#17,5	2	[Diagram]	180	360	1,6		
	3	#16	4	[Diagram]	370	1480	5,3		
	4	#10	3	[Diagram]	917	3668	11,3		
	5	#10	3	[Diagram]	310	620	1,9		
100x170							27,9	8,3	
V.3	1	#10	3	[Diagram]	371	742	4,6		
	2	#17,5	2	[Diagram]	382	764	4,1		
	3	#5	32	[Diagram]	66	1056		2,3	
100x170							13,2	2,5	
V.4	1	#10	3	[Diagram]	345	690	4,4		
	2	#17,5	2	[Diagram]	327	654	3,8		
	3	#5	16	[Diagram]	72	1152		1,1	
100x170							12,2	2,2	
V.5	1	#10	3	[Diagram]	836	1672	11,0		
	2	#17,5	2	[Diagram]	120	240	0,9		
	3	#10	3	[Diagram]	344	1032	10,4		
	4	#5	16	[Diagram]	82	1312		1,1	
100x170							25,7	1,8	
V.6	1	#10	3	[Diagram]	122	244	1,9		
	2	#17,5	2	[Diagram]	189	378	2,3		
	3	#5	8	[Diagram]	66	528		0,8	
100x170							4,9	0,9	
V.7	1	#10	3	[Diagram]	524	1048	6,4		
	2	#17,5	2	[Diagram]	428	856	3,8		
	3	#10	3	[Diagram]	557	1114	6,5		
	4	#5	16	[Diagram]	66	1056		0,8	
	5	#5	16	[Diagram]	82	1312		2,2	
100x170							25,5	0,8	
							#5	6,9	86,1
							#17,5	40,1	0,8
							#16	3,4	0,9
							1666	105,5	86,4

Resumo Aço	Comp. total	Peso+10%	Total
Desenho de vigas	(m)	(kg)	
CA-50 #10	214,2	145	
#17,5	1,7	2	
#16	2,1	4	151
CA-60 #5	266,9	46	46
Total			197



Projeto: REFORMA E AMPLIAÇÃO CRESS-ACRE	Data: 04/05/2019
Local: BR SANGÃO	
Disciplina: ESTRUTURAL	
Objeto: VIGAS	
Autores: RODRIGUES DA SILVA ENGENHEIRO CIVIL CREA 1993-DIAC	01/05