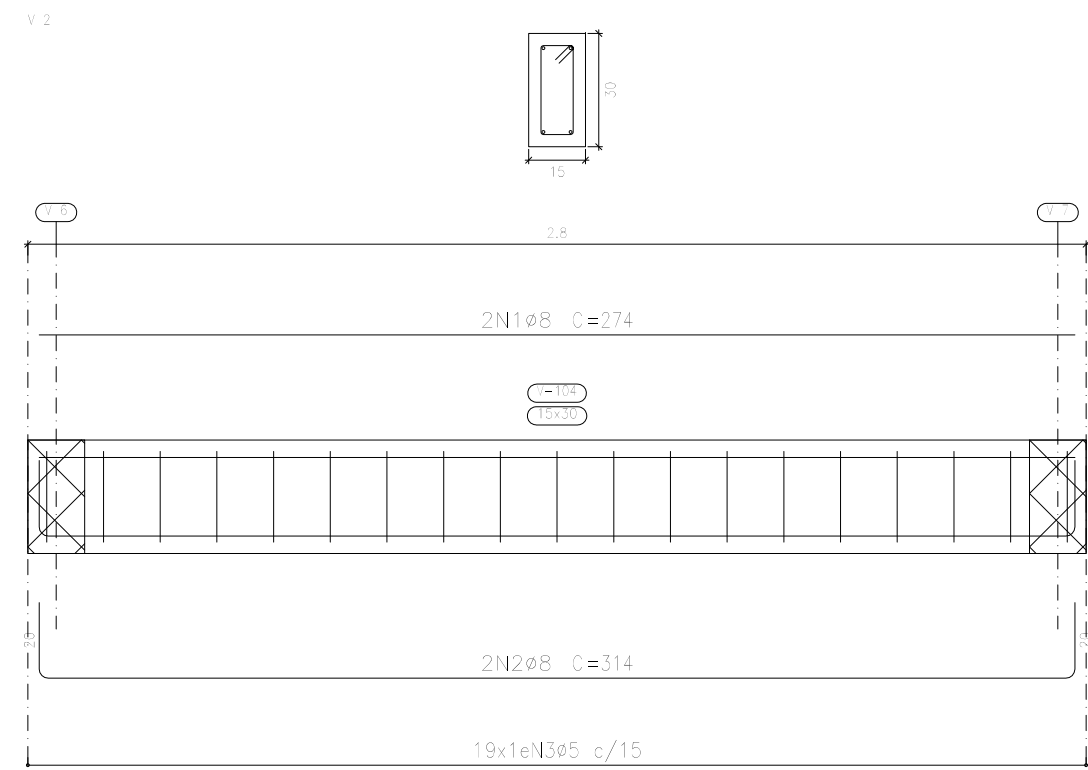


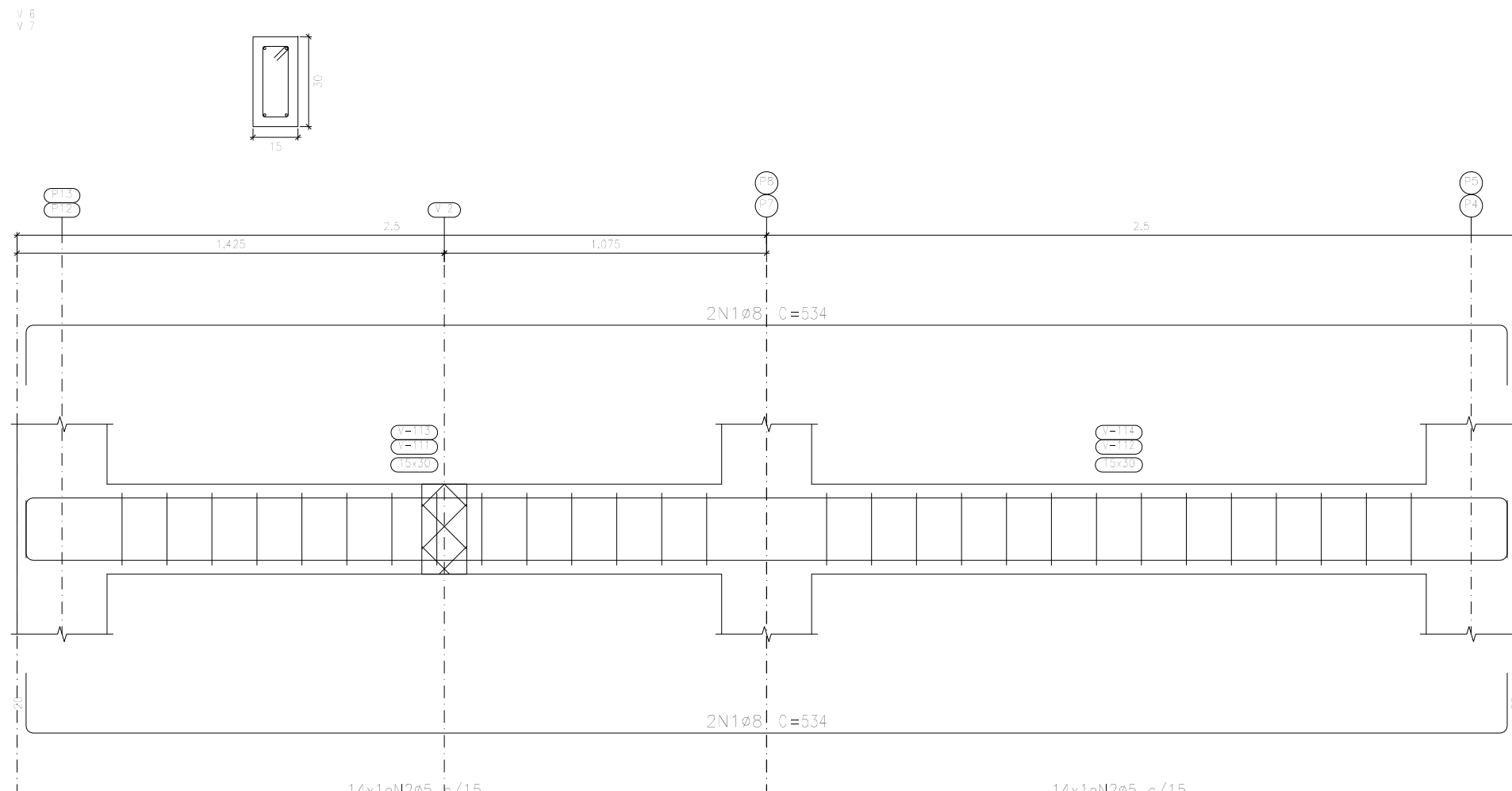
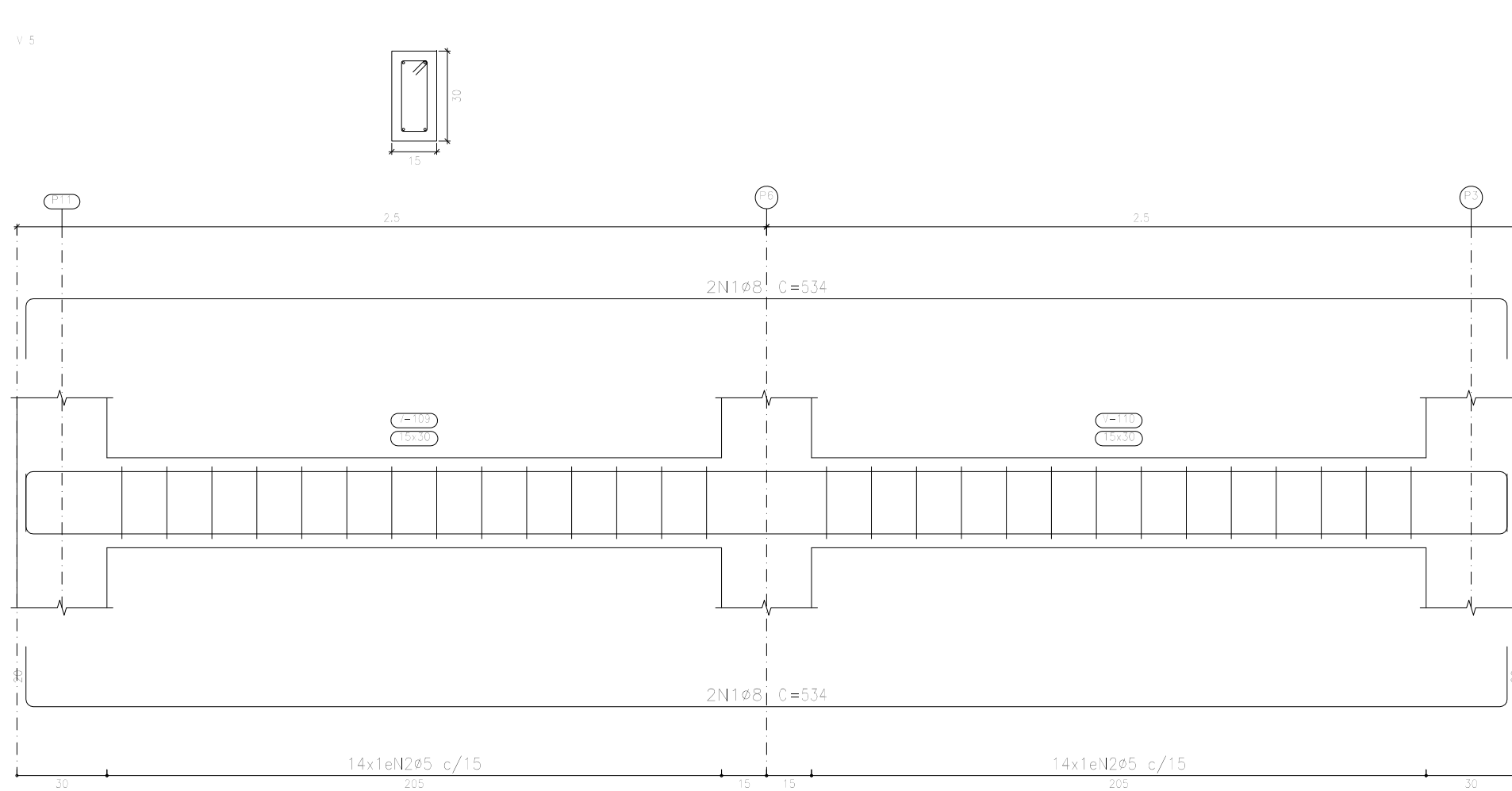
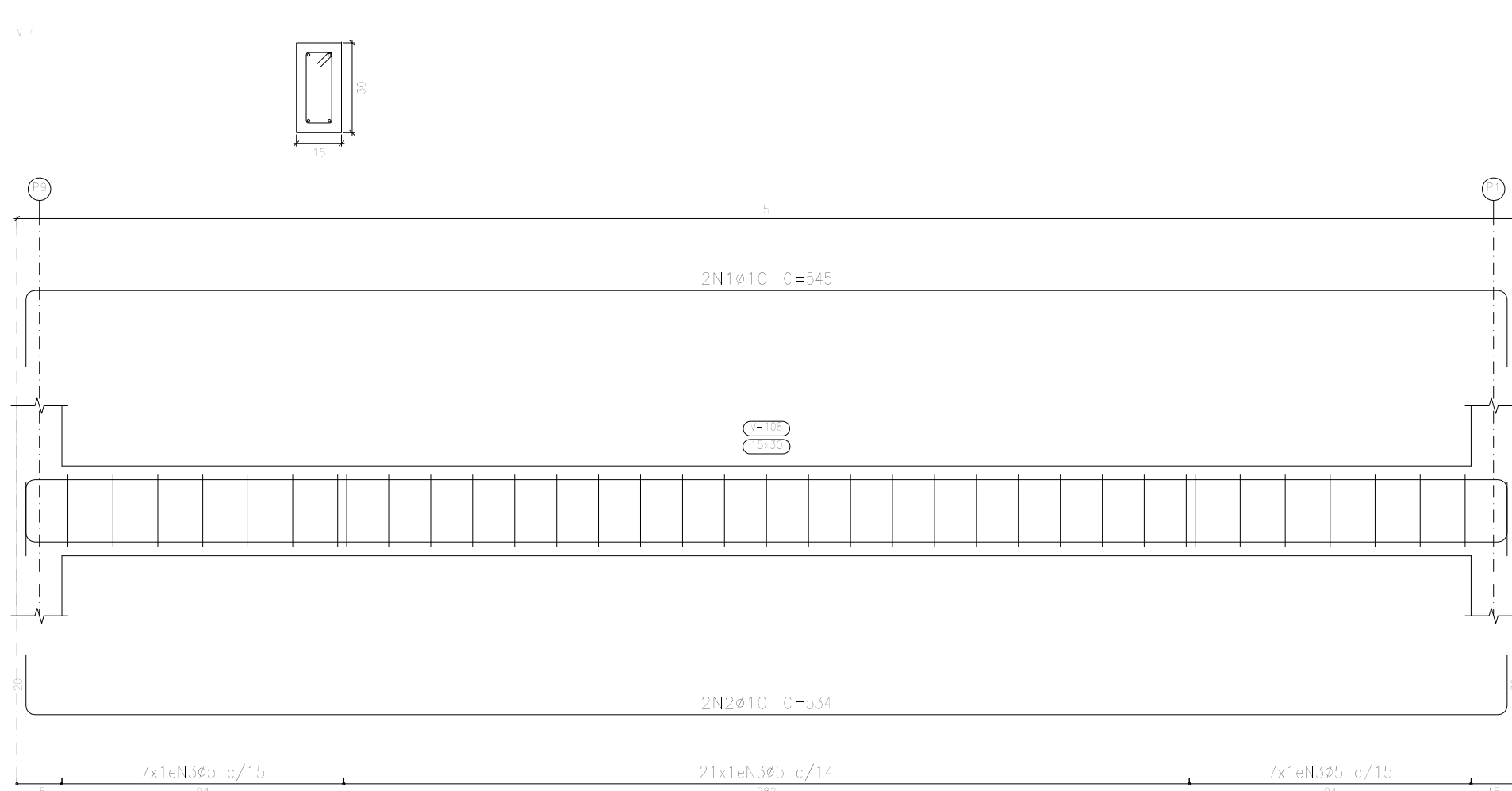
07 DETALHAMENTO VIGAS BALDRAME
ESCALA 1/20



Elemento	Pos.	Diam. (cm)	Esquema (cm)	Comp. (cm)	Total (cm)	CA=50 (kg)	CA=60 (kg)
V (m3)	1	87,5		194	281	23,0	
	2	45		174	219	6,7	
				100	145		
					Soma: 105	41,3	19
V.2	1	89		274	348	2,2	
	2	89		329	418		
	3	85		1400	1520		3,2
					Soma: 185	2,2	3,2
V.4	1	81,0		545	1080	6,7	
	2	81,0		312	1080		
	3	85		2596	3682		4,1
					Soma: 185	16,8	4,1
V.5	1	89		519	1270	0,6	
	2	45		2072	2220		1,3
					Soma: 185	0,6	1,3
V.6(m3)	1	89		519	1270	0,6	
	2	45		2072	2220		1,3
					Soma: 185	0,6	1,3

Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50 ø8	75.8	33	
ø10	69.3	47	
ø12,5	47.8	51	131
CA-60 ø5	216.1	37	37
Total			168

Térreo
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

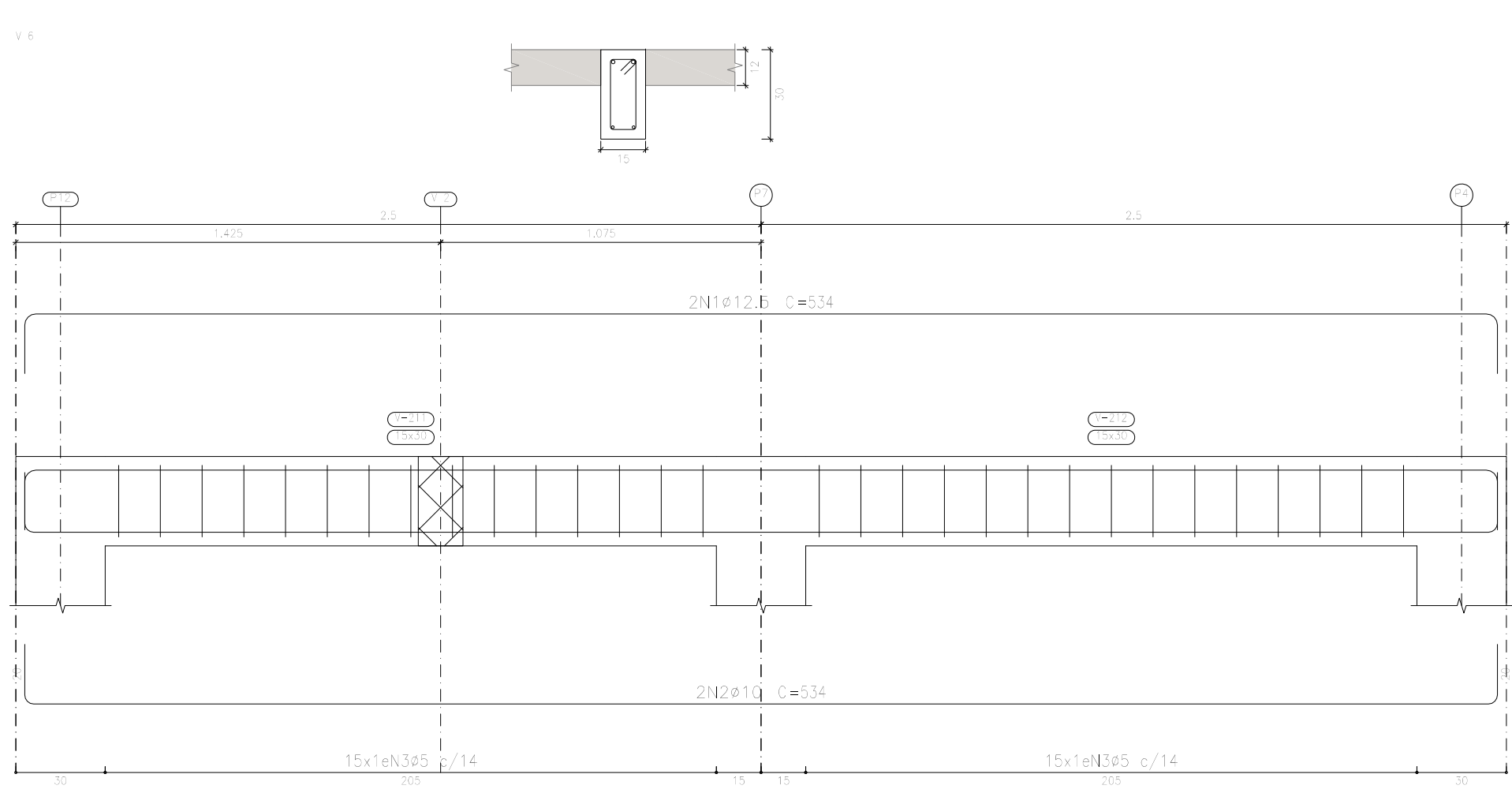
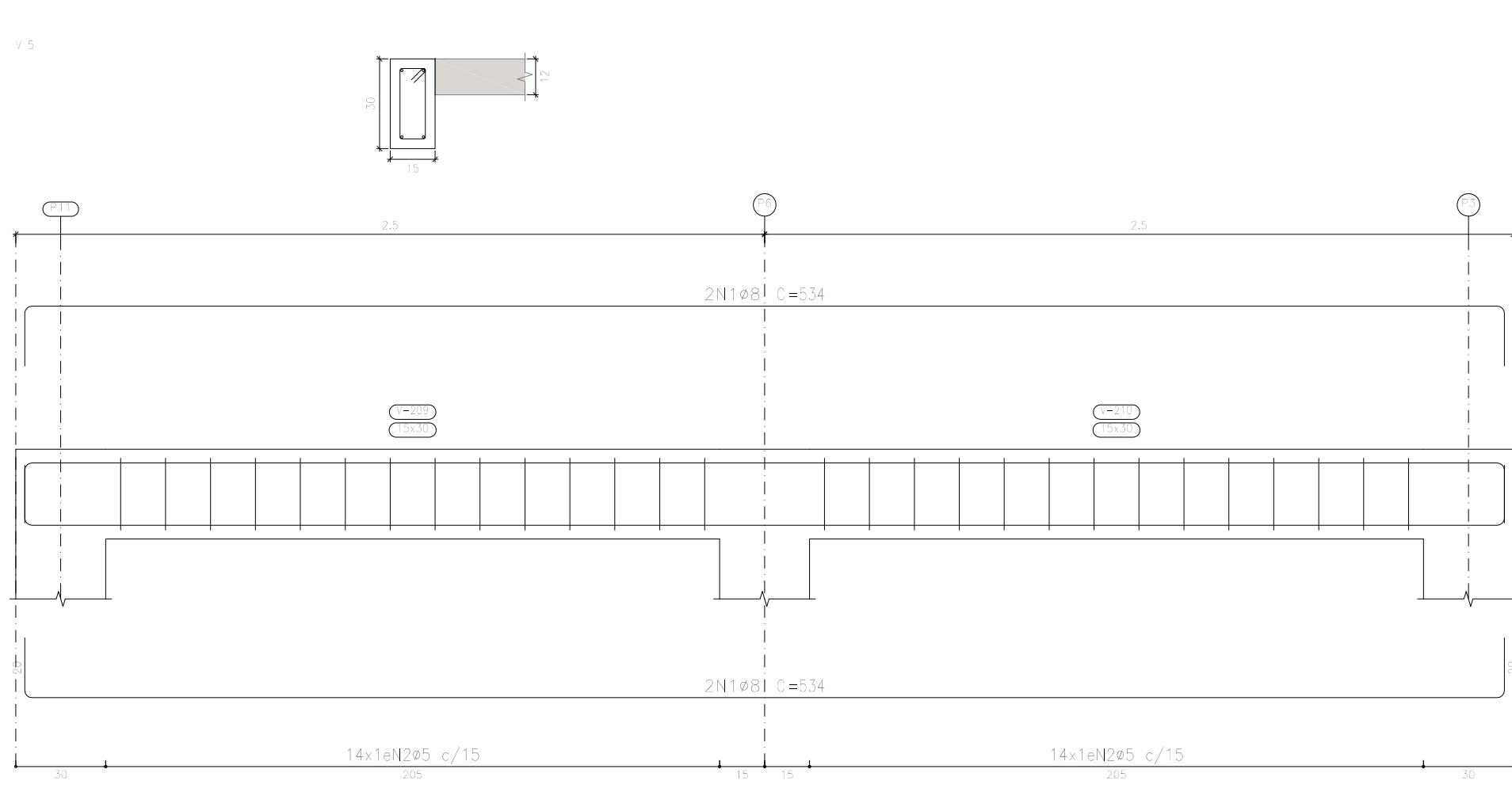
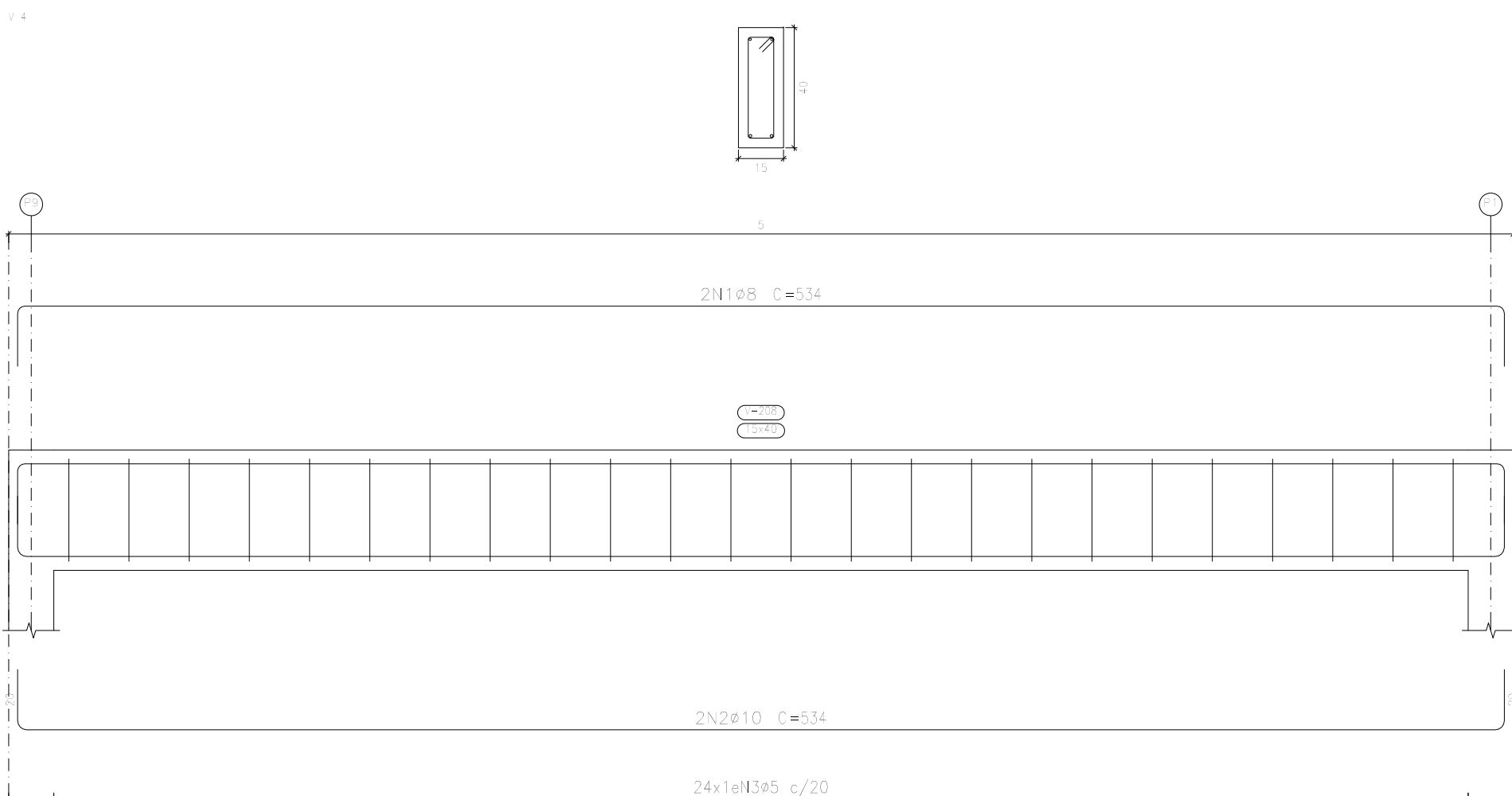
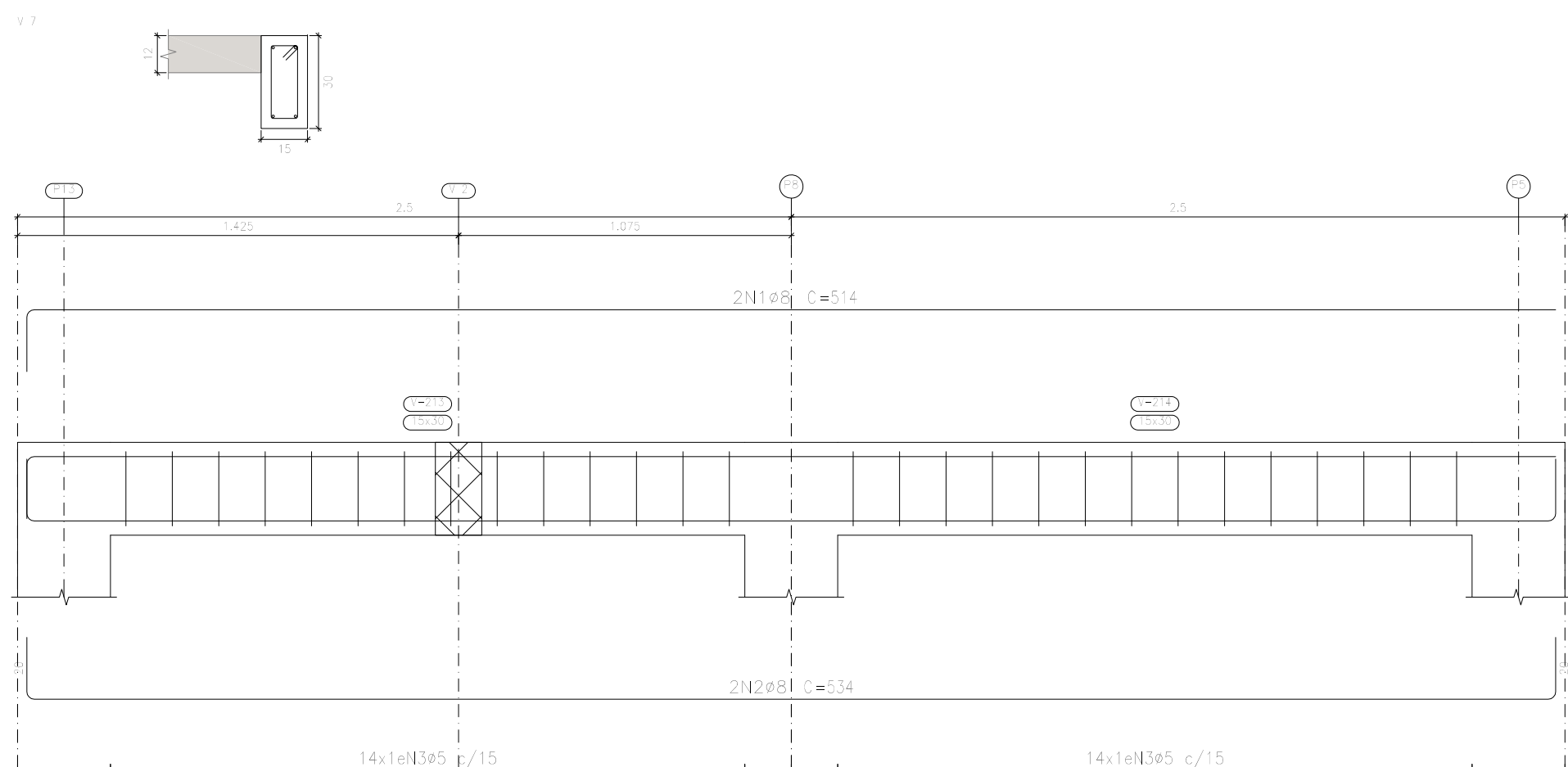
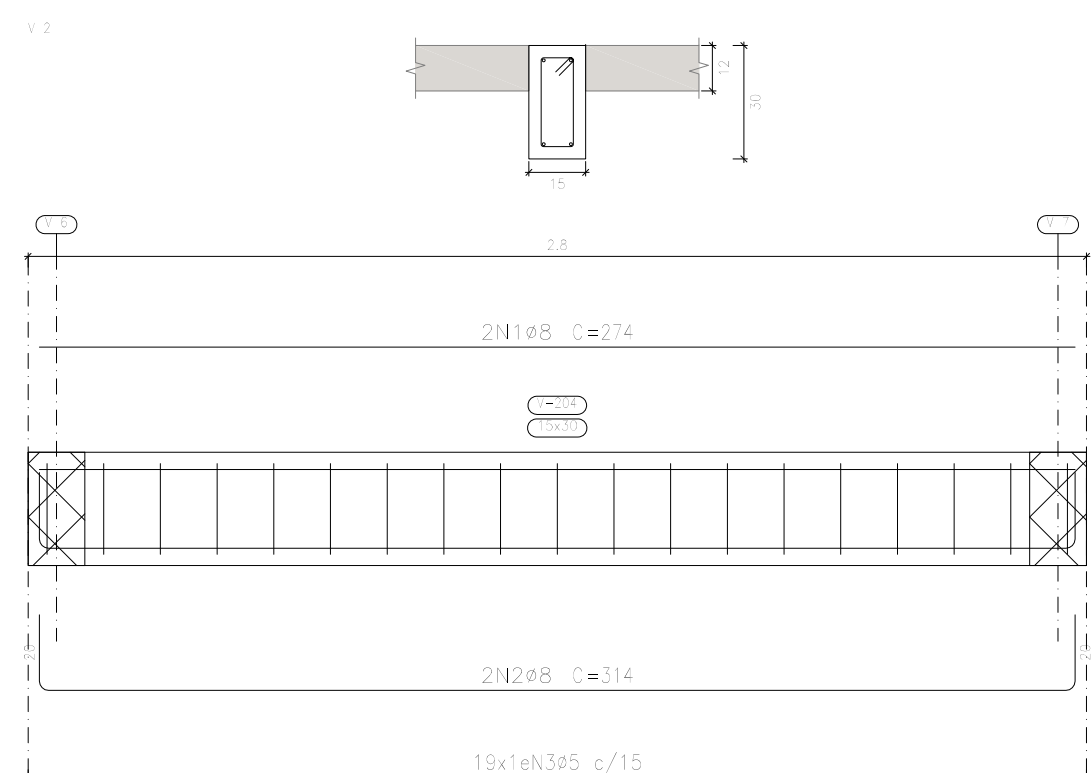
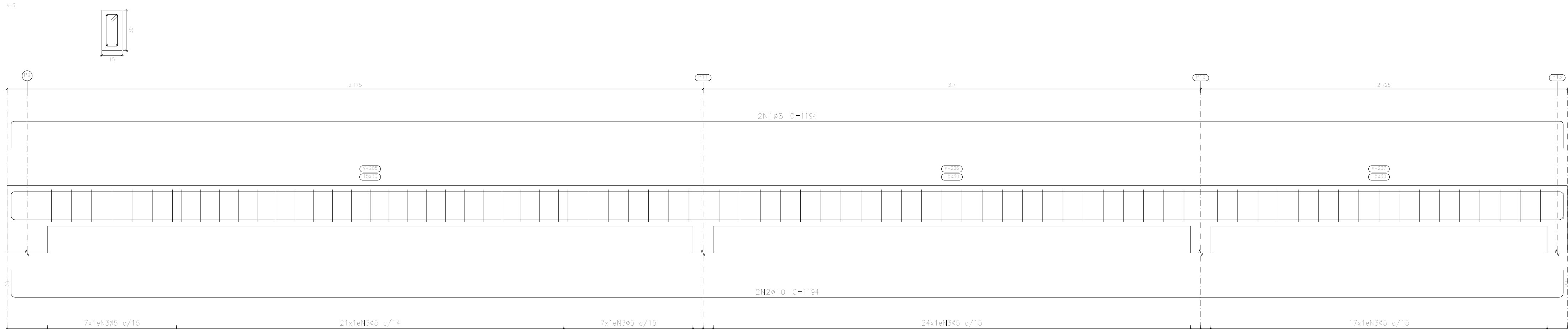


Elemento	Pos.	Diam. Q.	Esfera (cm)	Comp. (cm)	Total (cm)	A=50 (kg)	CA=60 (kg)
V 1	1	810	4	1.04	4776	7.04	
	2	85	70	74	5524	8.8	
Total=105						22.3	5.7
V 2	1	88	2	274	548	5.2	
	2	88	2	314	928	2.5	
	3	85	18	74	1416		2.2
Total=105						7.7	2.4
V 3	1	88	2	1.04	2384	5.4	
	2	810	2	1.04	2389	14.7	
	3	85	70	74	5524		8.8
Total=105						20.5	5.7
V 4	1	88	2	534	1068	4.2	
	2	810	2	534	1068	6.6	
	3	85	24	87	2250		3.5
Total=105						11.8	5.9
V 5	1	88	4	534	2136	8.4	
	2	85	28	74	2072		3.3
Total=105						11.8	3.8
V 6	1	810	2	534	1084	10.3	
	2	88	2	534	1088	6.9	
	3	85	30	74	2220		3.0
Total=105						18.8	3.9
V 7	1	88	2	514	1028	4.1	
	2	88	2	534	1068	4.7	
	3	85	28	74	2072		3.3
Total=105						9.1	3.8

Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø8	88,6	38	
Ø10	93,0	63	
Ø12,5	10,7	11	112
CA-60 Ø5	212,7	37	37
Total			149

abertura
 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

08 DETALHAMENTO VIGAS COBERTURA

[illegible]