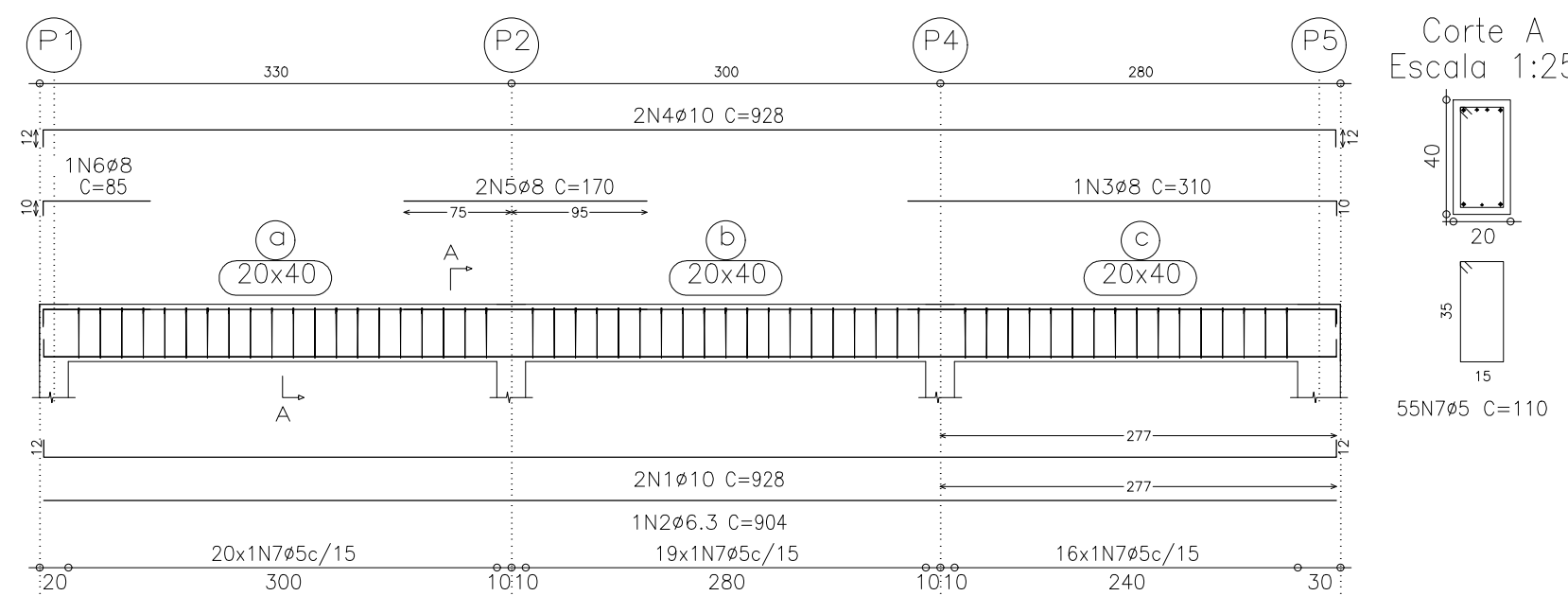
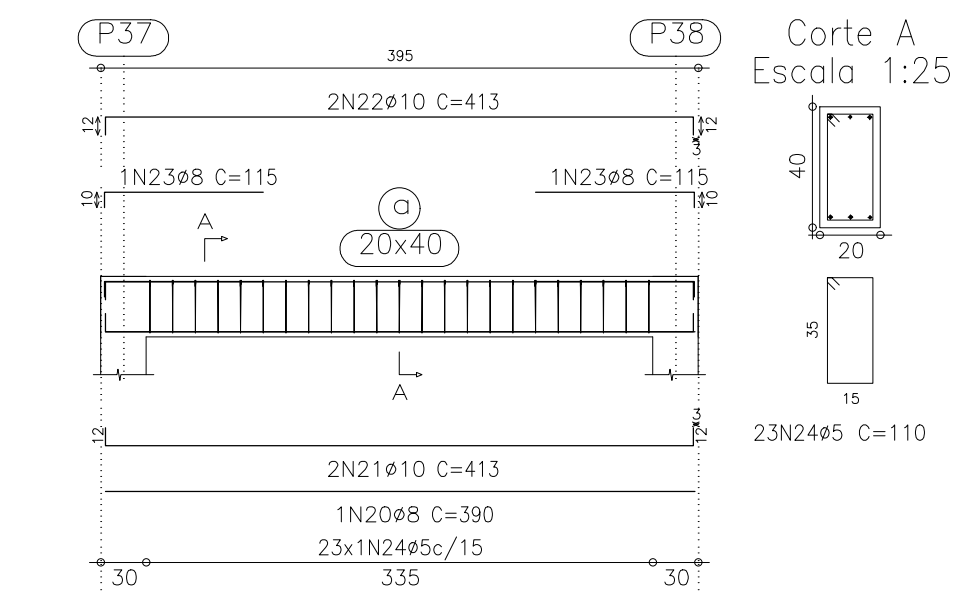


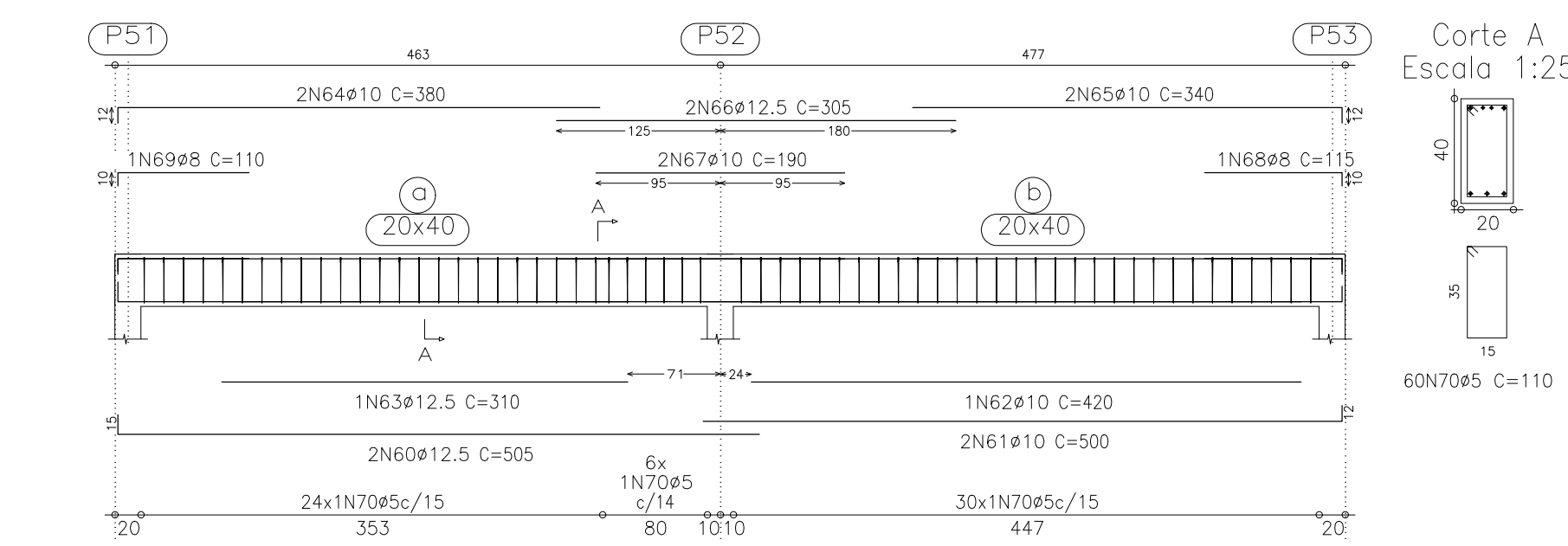
V 1  
Escala 1:50



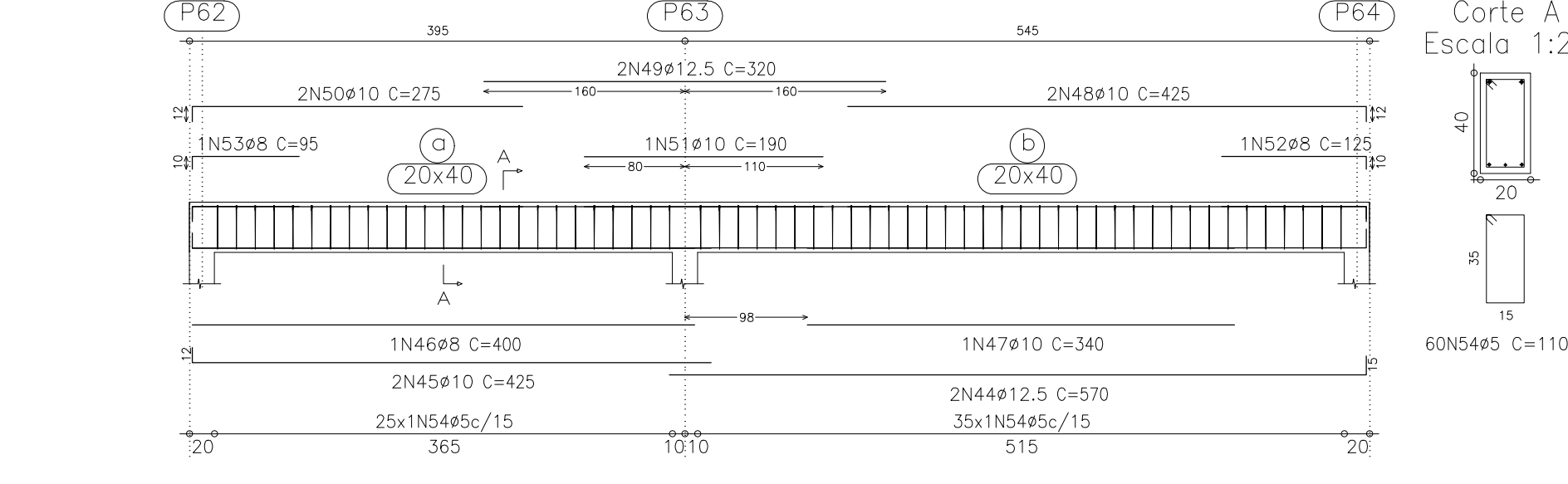
V 4  
Escala 1:50



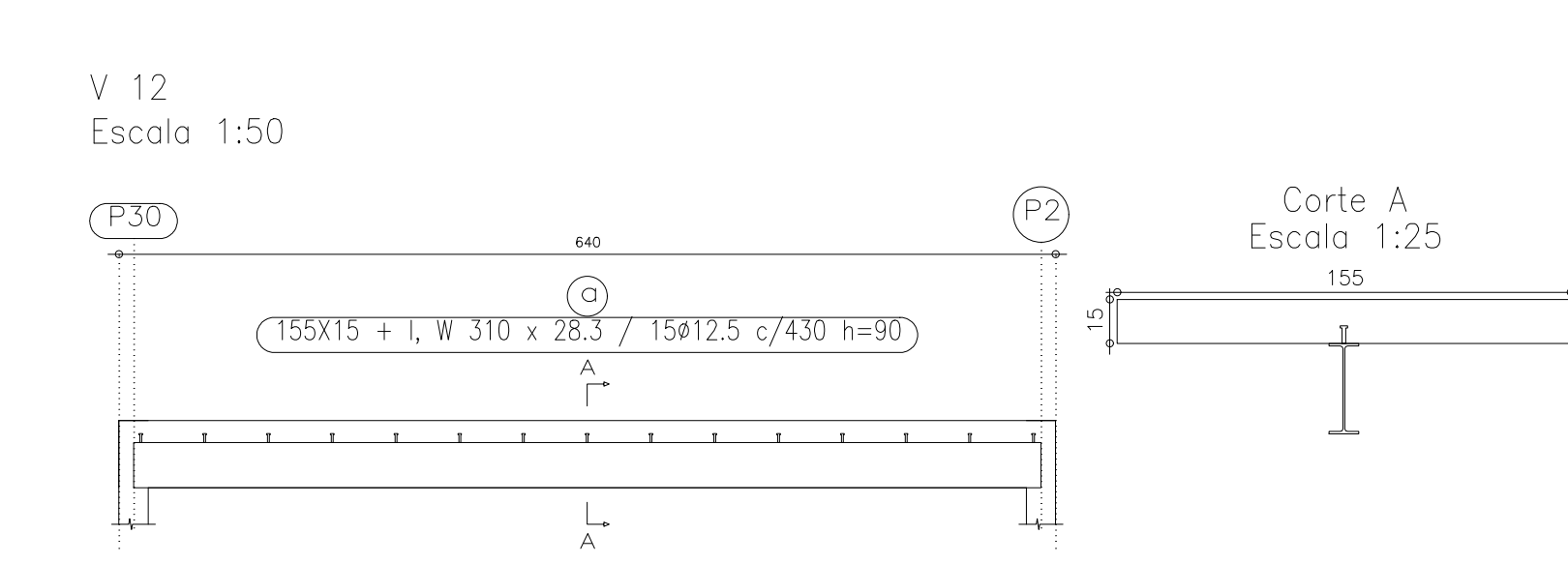
V 8  
Escala 1:50



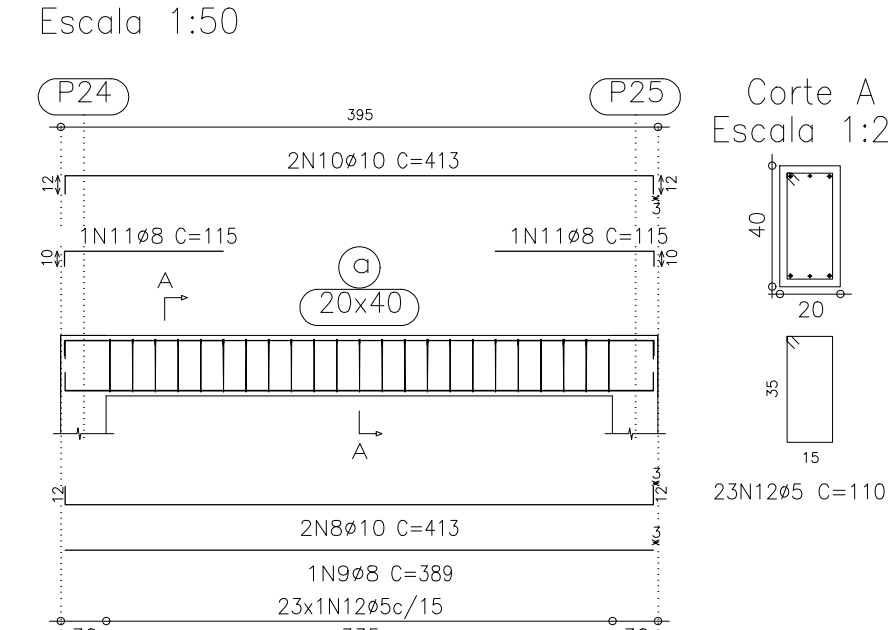
V 10  
Escala 1:50



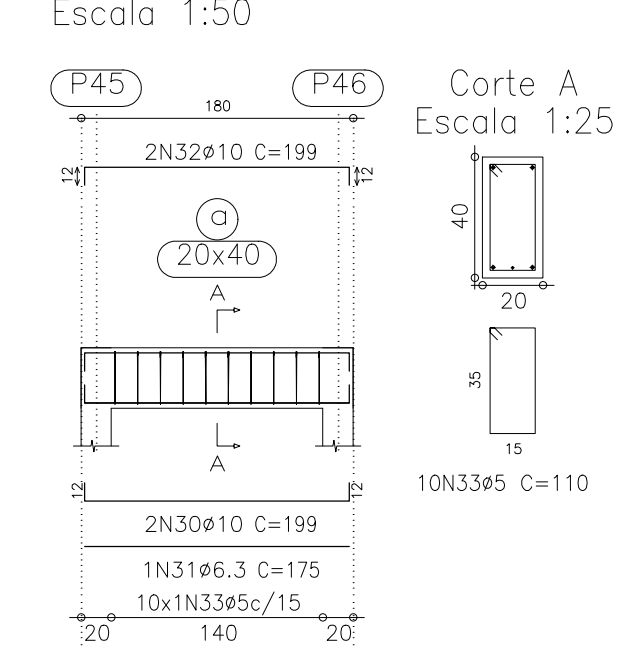
V 12  
Escala 1:50



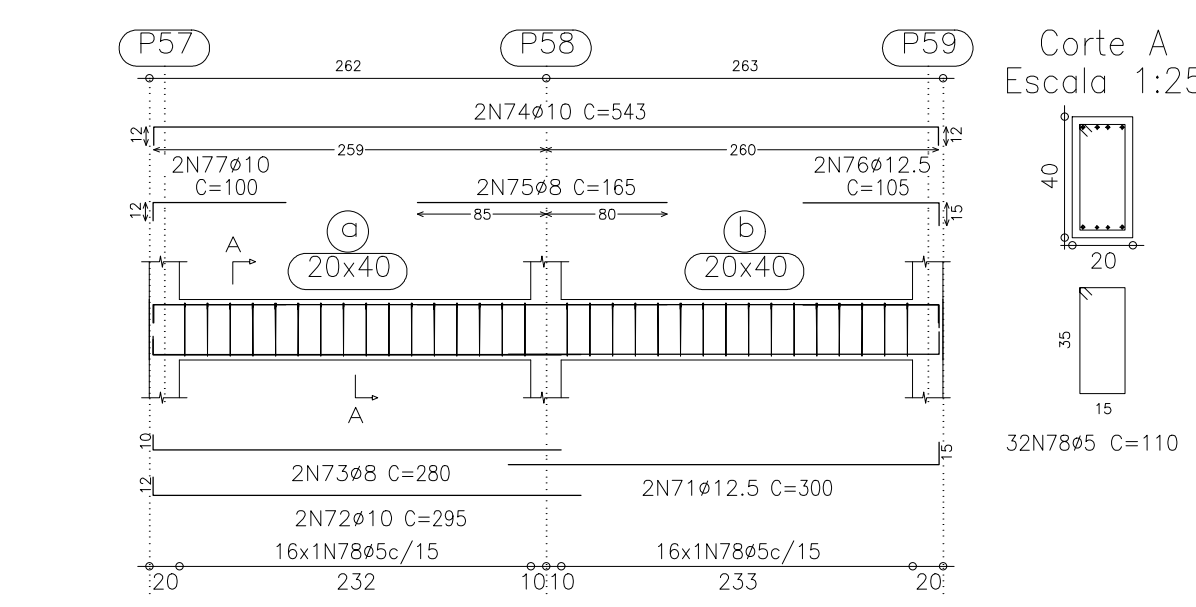
V 2  
Escala 1:50



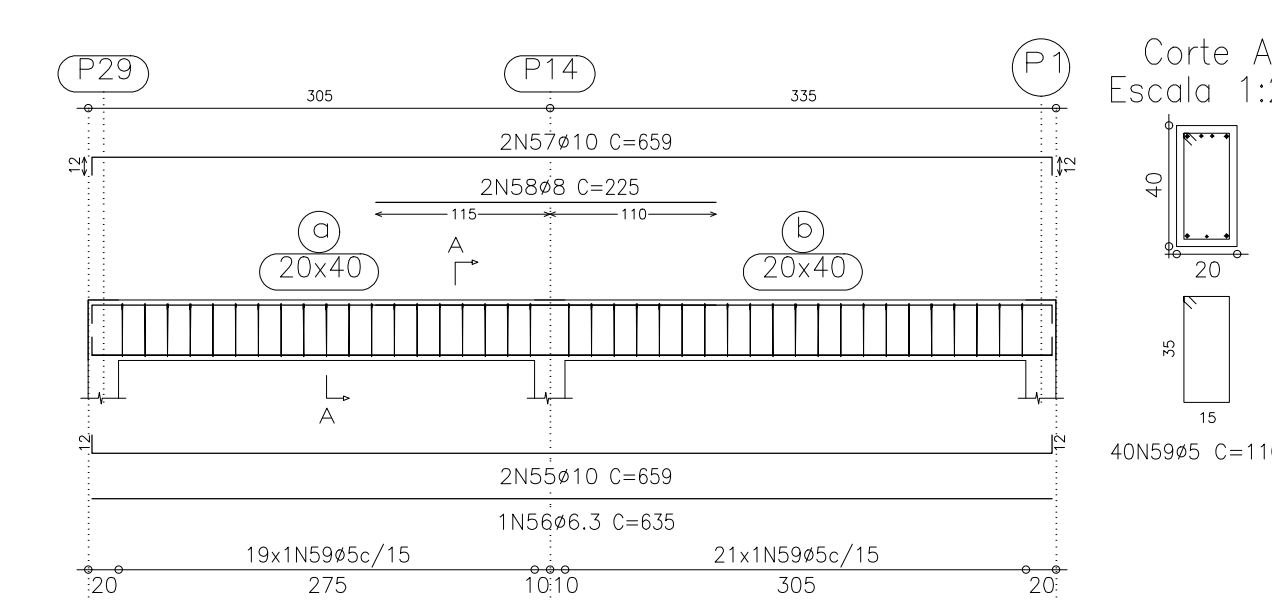
V 6  
Escala 1:50



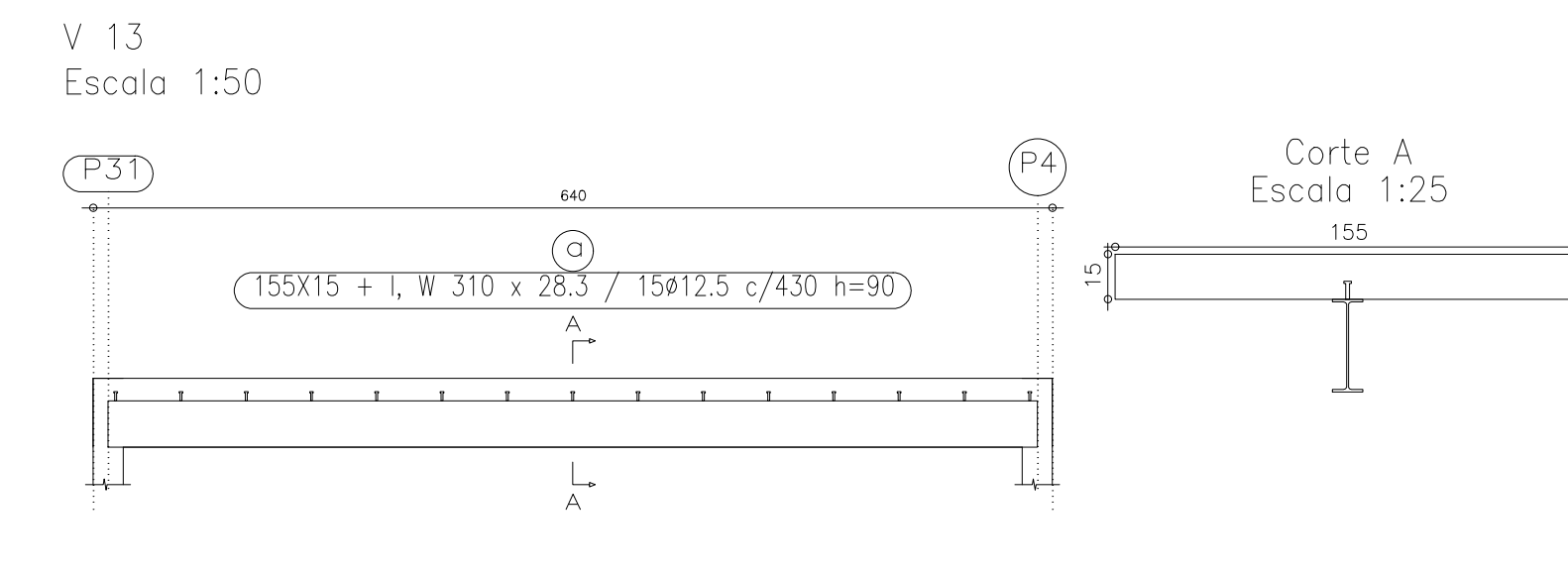
V 9  
Escala 1:50



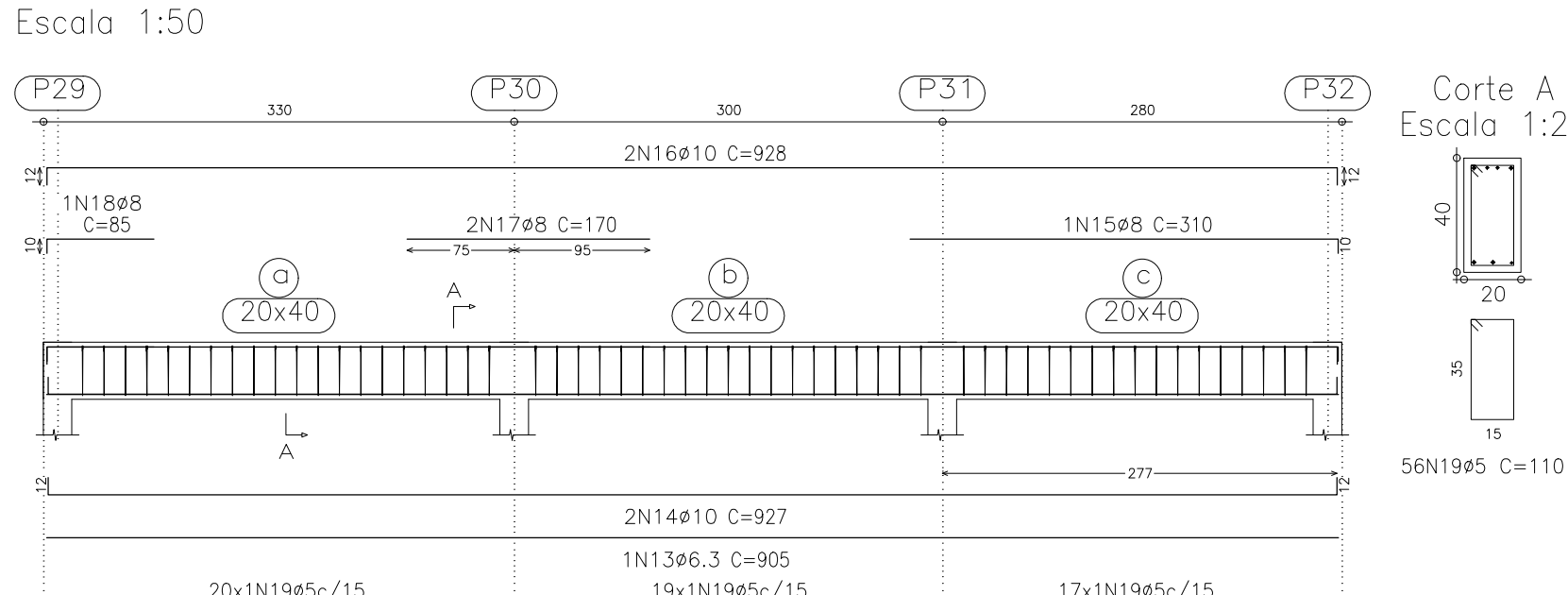
V 11  
Escala 1:50



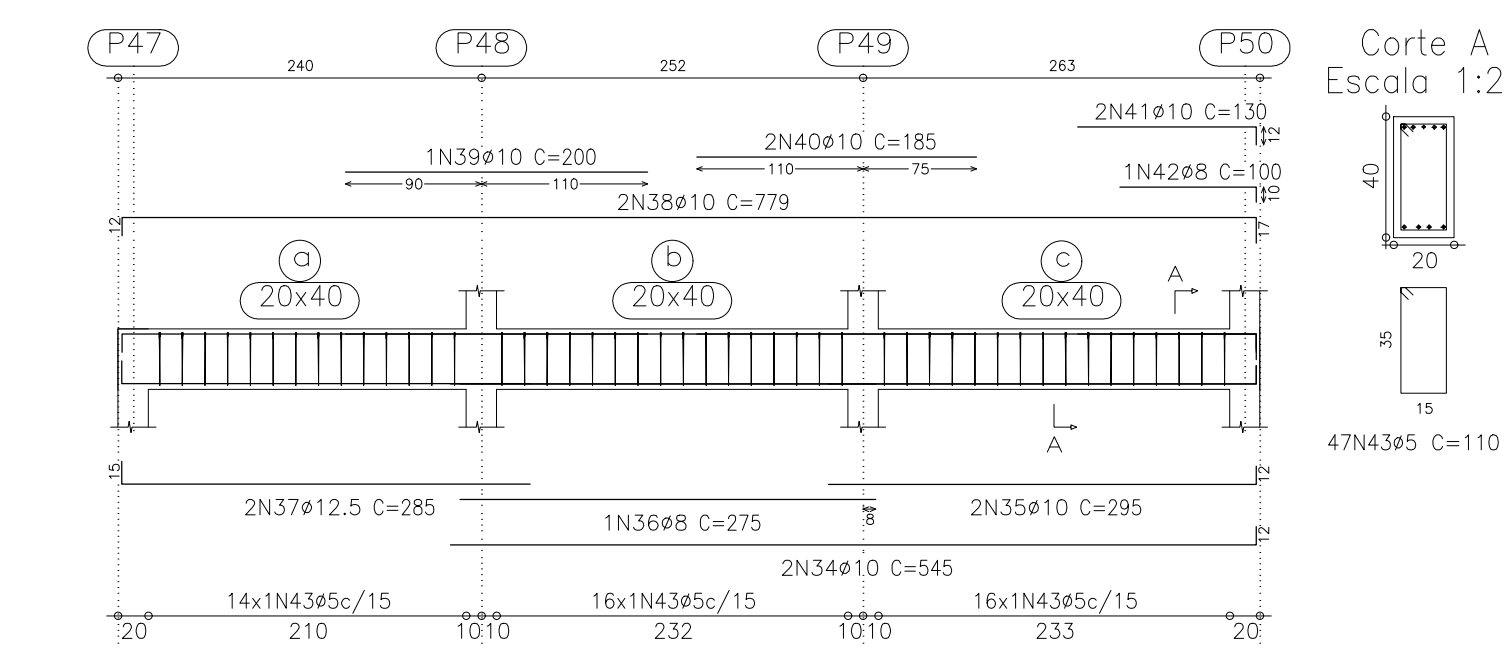
V 13  
Escala 1:50



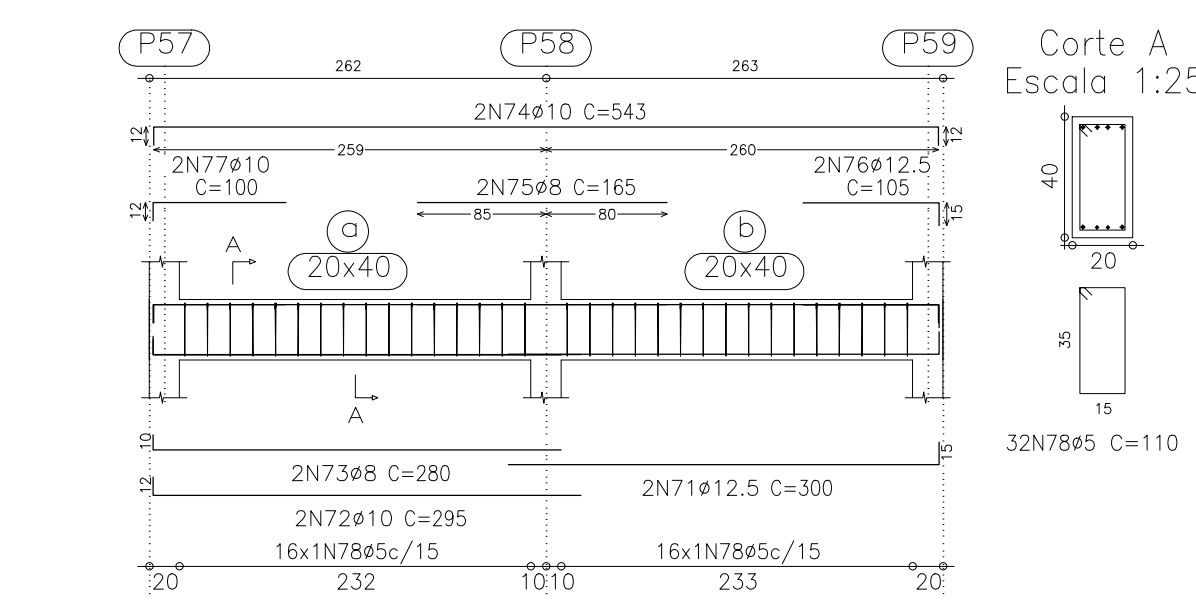
V 3  
Escala 1:50



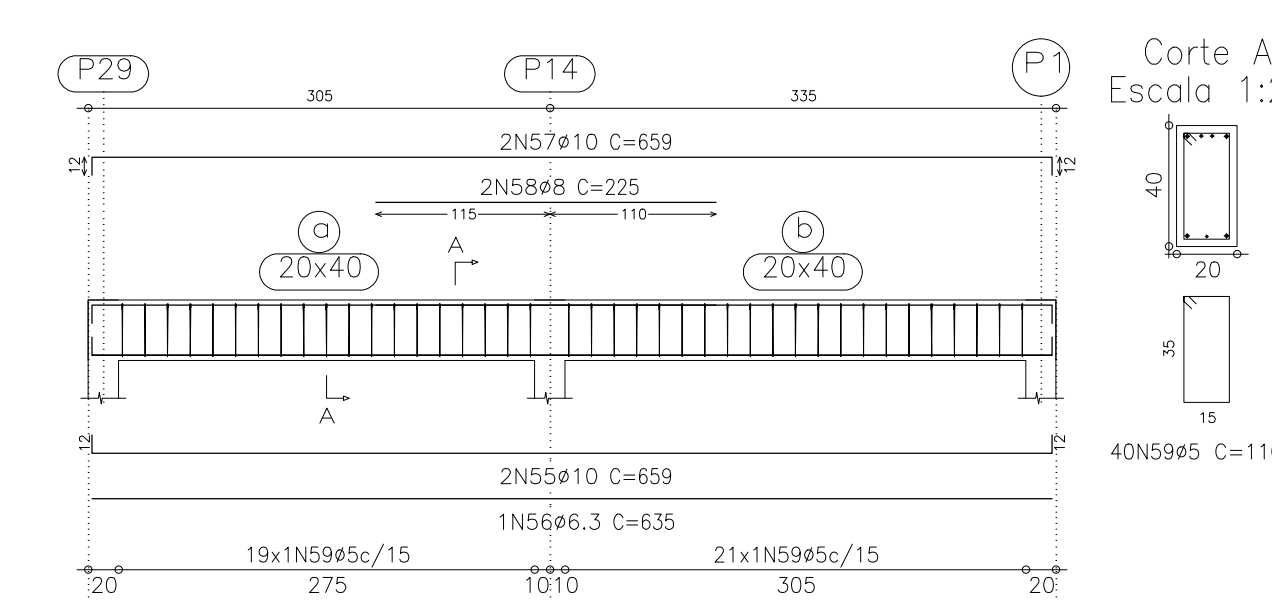
V 7  
Escala 1:50



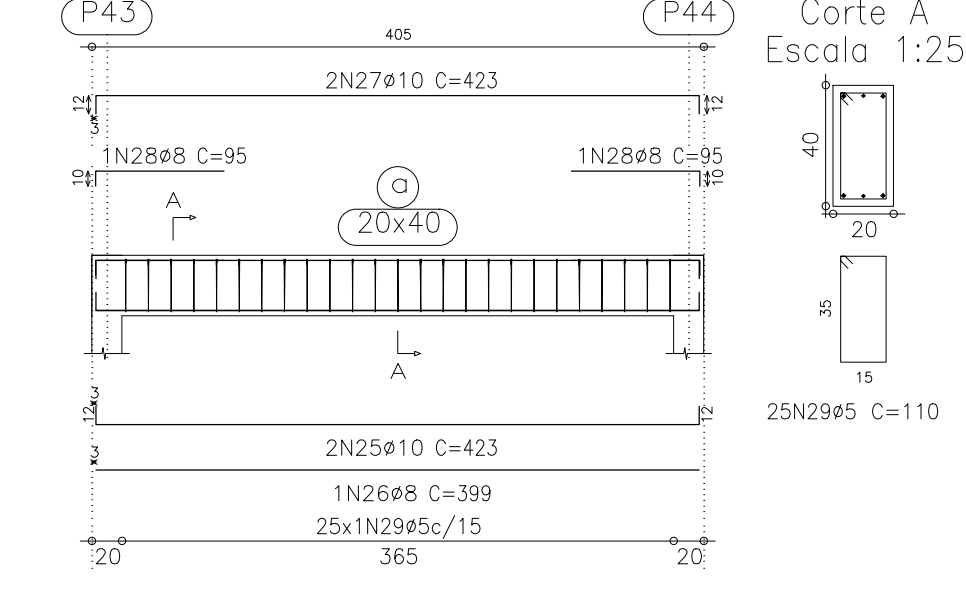
V 9  
Escala 1:50



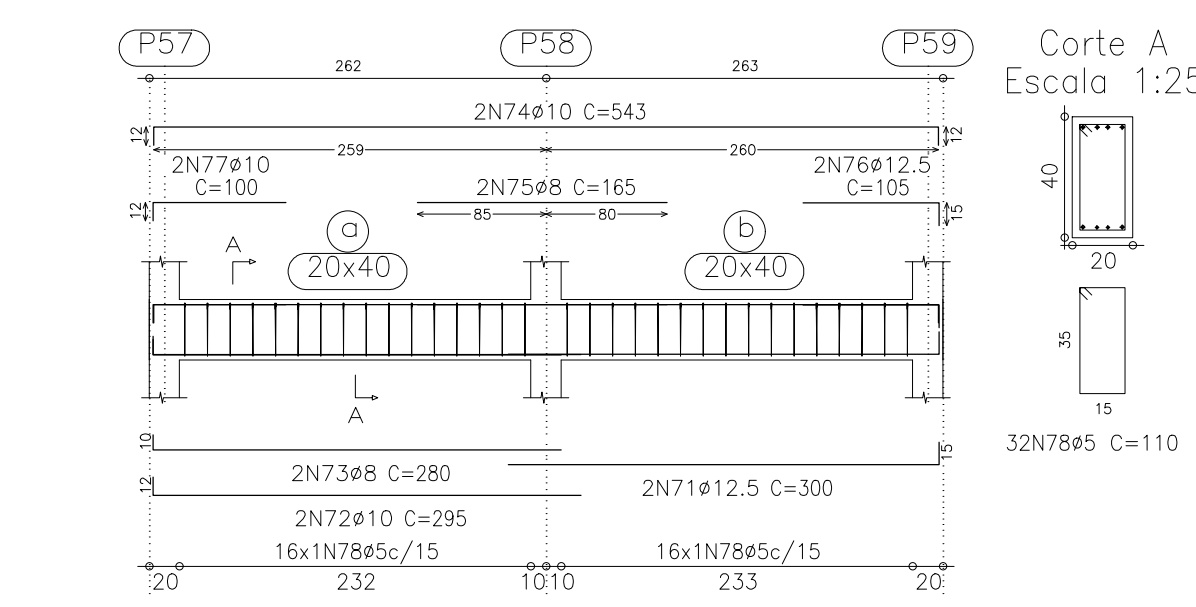
V 11  
Escala 1:50



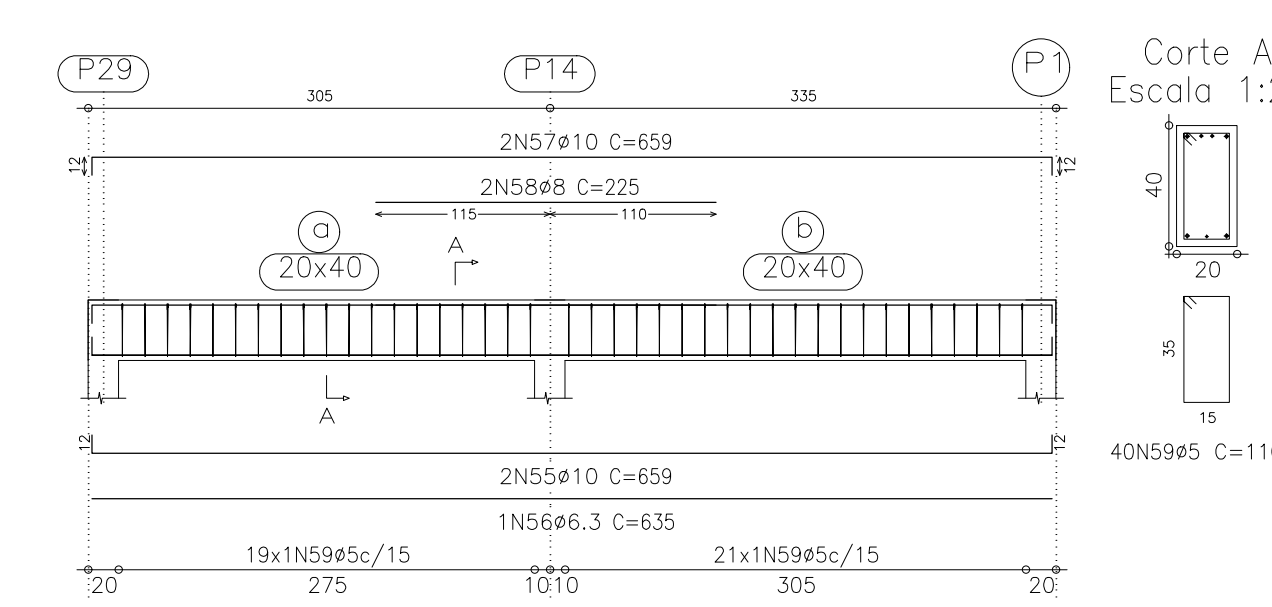
V 5  
Escala 1:50



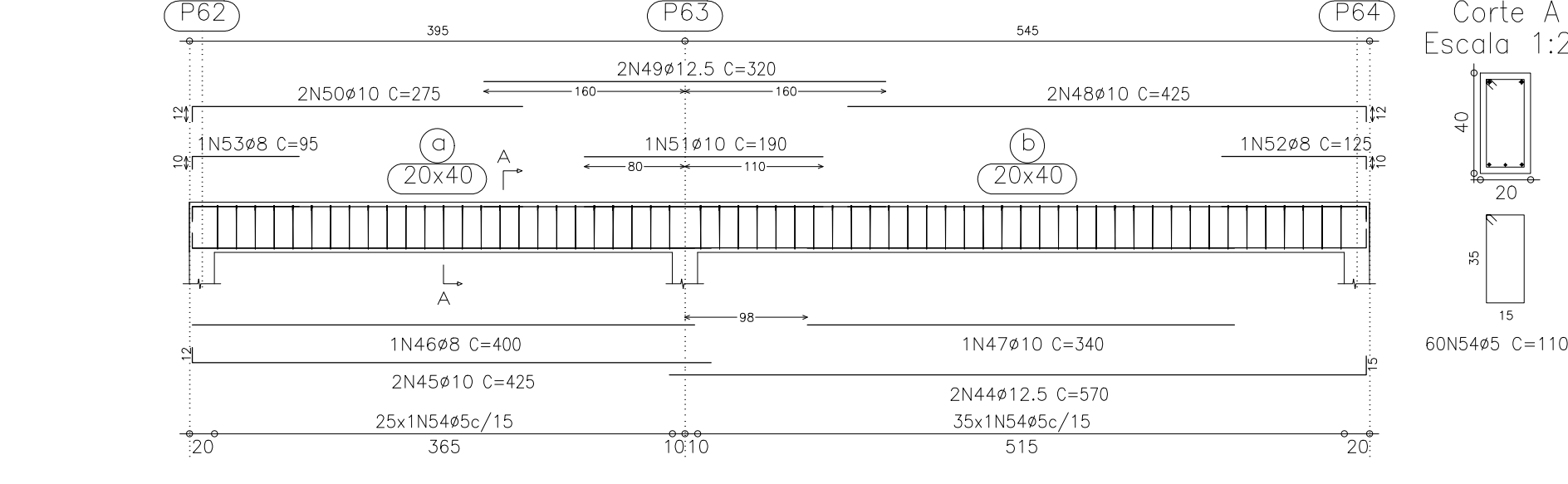
V 9  
Escala 1:50



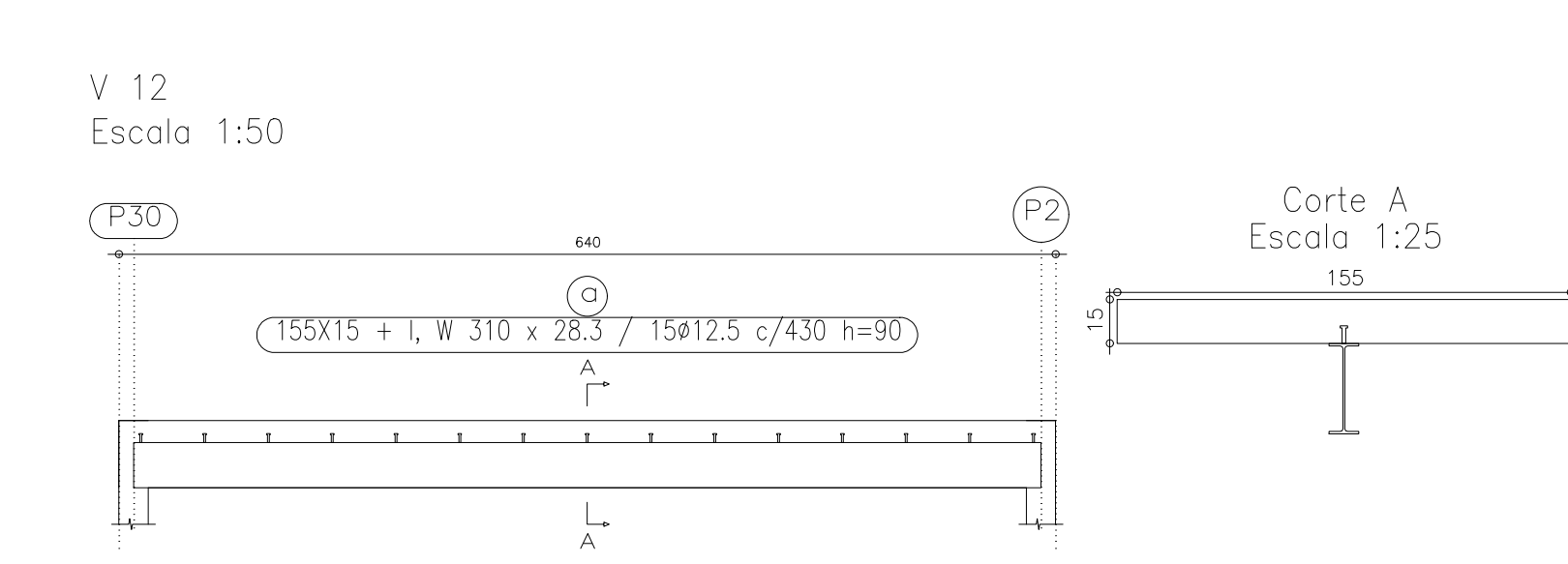
V 11  
Escala 1:50



V 10  
Escala 1:50



V 12  
Escala 1:50



Elemento

Pos.

Diam.

Q.

Dob.  
(cm)

Ret.  
(cm)

Dob.  
(cm)

Comp.  
(cm)

Tota  
(cm)

CA-50-A

CA-60-B

(kg)

(kg)

V 1	1	ø10	2	12	904	12	928	1856	11.7			
	2	ø6.3	1		904		904	904	2.2			
	3	ø8	1		300	10	310	310	1.2			
	4	ø10	2	12	904	12	928	1856	11.7			
	5	ø8	2		170		340	340	1.3			
	6	ø8	1	10	75		85	85	0.3			
	7	ø5	55				110	6050		9.5		
Total+10%										31.2	10.5	
V 2	8	ø10	2	12	389	12	413	826	5.2			
	9	ø8	1		389		389	389	1.5			
	10	ø10	2	12	389	12	413	826	5.2			
	11	ø8	2		105	10	115	230	0.9			
	12	ø5	23				110	2530		4.0		
	Total+10%										14.1	4.4
	V 3	13	ø6.3	1		905		905	905	2.2		
14		ø10	2	12	903	12	927	1854	11.6			
15		ø8	1		300	10	310	310	1.2			
16		ø10	2	12	904	12	928	1856	11.7			
17		ø8	2		170		340	340	1.3			
18		ø8	1	10	75		85	85	0.3			
19		ø5	56				110	6160		9.7		
Total+10%										31.1	10.7	
V 4	20	ø8	1		390		390	390	1.5			
	21	ø10	2	12	389	12	413	826	5.2			
	22	ø10	2	12	389	12	413	826	5.2			
	23	ø8	2		105	10	115	230	0.9			
	24	ø5	23				110	2530		4.0		
	Total+10%										14.1	4.4
	V 5	25	ø10	2	12	399	12	423	846	5.3		
26		ø8	1		399		399	399	1.6			
27		ø10	2	12	399	12	423	846	5.3			
28		ø8	2		85	10	95	190	0.7			
29		ø5	25				110	2750		4.3		
Total+10%										14.2	4.7	
V 6		30	ø10	2	12	175	12	199	398	2.5		
	31	ø6.3	1		175		175	175	0.4			
	32	ø10	2	12	175	12	199	398	2.5			
	33	ø5	10				110	1100		1.7		
	Total+10%										5.9	1.9
	V 7	34	ø10	2		533	12	545	1090	6.8		
		35	ø10	2		283	12	295	590	3.7		
36		ø8	1		275		275	275	1.1			
37		ø12.5	1	15	270		285	570	5.6			
38		ø10	2	12	750	17	779	1558	9.8			
39		ø10	1		200		200	200	1.3			
40		ø10	2		185		185	370	2.3			
41		ø10	2		118	12	130	260	1.6			
42		ø8	1		90	10	100	100	0.4			
43		ø5	46				110	5060		7.9		
Total+10%										35.9	8.7	
V 10		44	ø12.5	2		555	15	570	1140	11.2		
		45	ø10	2	12	413		425	850	5.3		
		46	ø8	1		400		400	400	1.6		
		47	ø10	1		340		340	340	2.1		
	48	ø10	2		413	12	425	850	5.3			
	49	ø12.5	2		320		320	640	6.3			
	50	ø10	2	12	263		275	550	3.5			
	51	ø10	1		190		190	190	1.2			
	52	ø8	1		115		125	250	0.5			
	53	ø8	1	10	85		95	190	0.4			
	54	ø5	60				110	6600		10.4		
	Total+10%										41.1	11.4
	V 11	55	ø10	2	12	635	12	659	1318	8.3		
		56	ø6.3	1		635		635	635	1.6		
		57	ø10	2	12	635	12	659	1318	8.3		
58		ø8	2		225		225	450	1.8			
59		ø5	40				110	4400		6.9		
Total+10%										22.0	7.6	
V 8		60	ø12.5	2	15	480		505	1010	9.9		
	61	ø10	2		488	12	500	1000	6.3			
	62	ø10	1		420		420	420	2.6			
	63	ø12.5	1		310		310	310	3.0			
	64	ø10	2	12	368		380	760	4.8			
	65	ø10	2		328	12	340	680	4.3			
	66	ø12.5	2		305		305	610	6.0			
	67	ø10	2		190		190	380	2.4			
	68	ø8	1		105		115	230	0.5			
	69	ø8	1	10	100		110	220	0.4			
	70	ø5	60				110	6600		10.4		
	Total+10%										44.2	11.4
	V 9	71	ø12.5	2		285	15	300	600	5.9		
		72	ø10	2	12	283		295	590	3.7		
		73	ø8	2	10	270		280	560	2.2		
74		ø10	2	12	519	12	543	1086	6.8			
75		ø8	2		165		165	330	1.3			
76		ø12.5	2		90	15	105	210	2.1			
77		ø10	2	12	88		100	200	1.3			
78	ø5	32				110	3520		5.5			
Total+10%										25.6	6.1	
										ø5:	0.0	81.8
										ø6.3:	7.0	0.0
										ø8:	24.9	0.0
										ø10:	192.4	0.0
										ø12.5:	55.1	0.0
										Total:	279.4	81.8

2ª Laje

Desenho de vigas

Concreto: C30, armação

Aço laminado e soldado: A-588 t<=100

Aço: CA-50-A e CA-60-B

Consulte os detalhes construtivos correspondentes

à ligação

das vigas metálicas com lajes

Escala vigas: 1:50

Escala seções: 1:25

NOTAS:

- HAVENDO DIVERGÊNCIA ENTRE AS COTAS E MEDIDAS DE ARQUITETURA, PREVALECE A ARQUITETURA

- ATENÇÃO PARA O ESQUADRO DA OBRA

- CASO SURJA ALGUMA INTERFERENCIA NÃO PREVISTA, CONSULTAR O CALCULISTA

- CONFERIR E AJUSTAR TODAS AS MEDIDAS NO LOCAL

- NÃO TOMAR MEDIDAS EM ESCALA

- MEDIDAS EM CENTÍMETROS

PLANTA CHAVE

LEGENDA

NOTAS

1- DIREITOS AUTORAIS RESERVADOS - (LEI DE DIREITOS AUTORAIS DE 19 DE FEVEREIRO DE 1998). ESTE ARQUIVO NÃO PODERÁ SER MANIPULADO OU ALTERADO SEM A PRÉVIA AUTORIZAÇÃO DOS AUTORES DO PROJETO.

2- TODAS AS MEDIDAS DEVERÃO SER CONFERIDAS NO LOCAL ANTES DA EXECUÇÃO.

3- ESTE ESTUDO NÃO PODERÁ SER EXECUTADO SEM A DEVIDA CONFERÊNCIA NO LOCAL.

4- COTAS EM NÍVEL ACABADO

REVISÕES

00 12/08/19 EMISSÃO INICIAL MARIA JOSÉ MELLO

REV. DATA DESENHO AUTOR DA REVISÃO

OBRA: MATERINIDADE ALZIRA REIS

MCB PROJETOS PROJETO ESTRUTURAL ARMAÇÃO DAS VIGAS 2ª LAJE - 1ª PARTE

FOLHA: 24

DIRETOR DE PLANEJAMENTO E CAPTAÇÃO DE RECURSOS: PAULO CÉSAR SILVA CARRERA

ARQUITETOS: MARIA JOSÉ MELLO (BRUNO MONT) RENATA GUIMARÃES

PATRICK KIMARI LAIS MENDES

DATA: 12/08/2019

ESCALA: INDICADA

Formato A1 (Estendido) – 1025 x 597

F

E

D

C

B

A