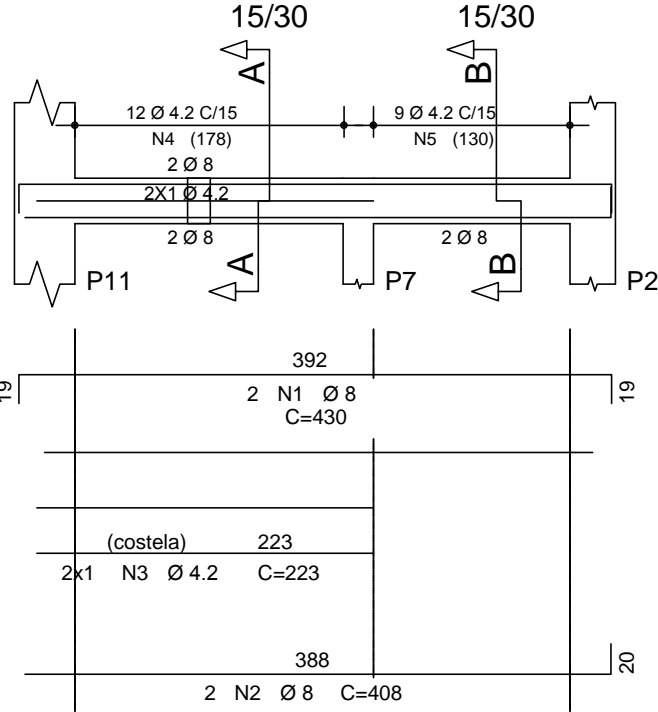


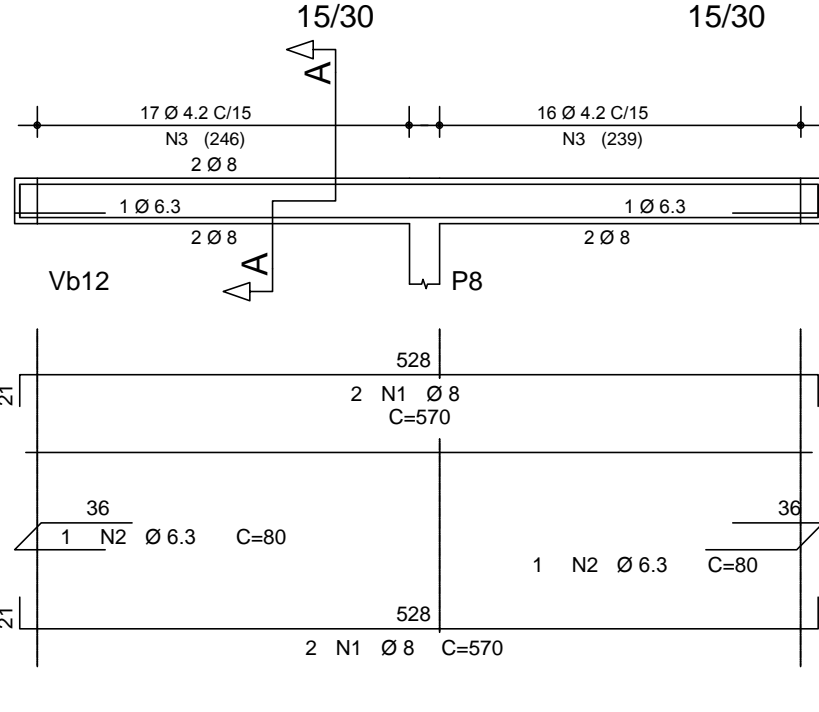
Vb12



Corte A

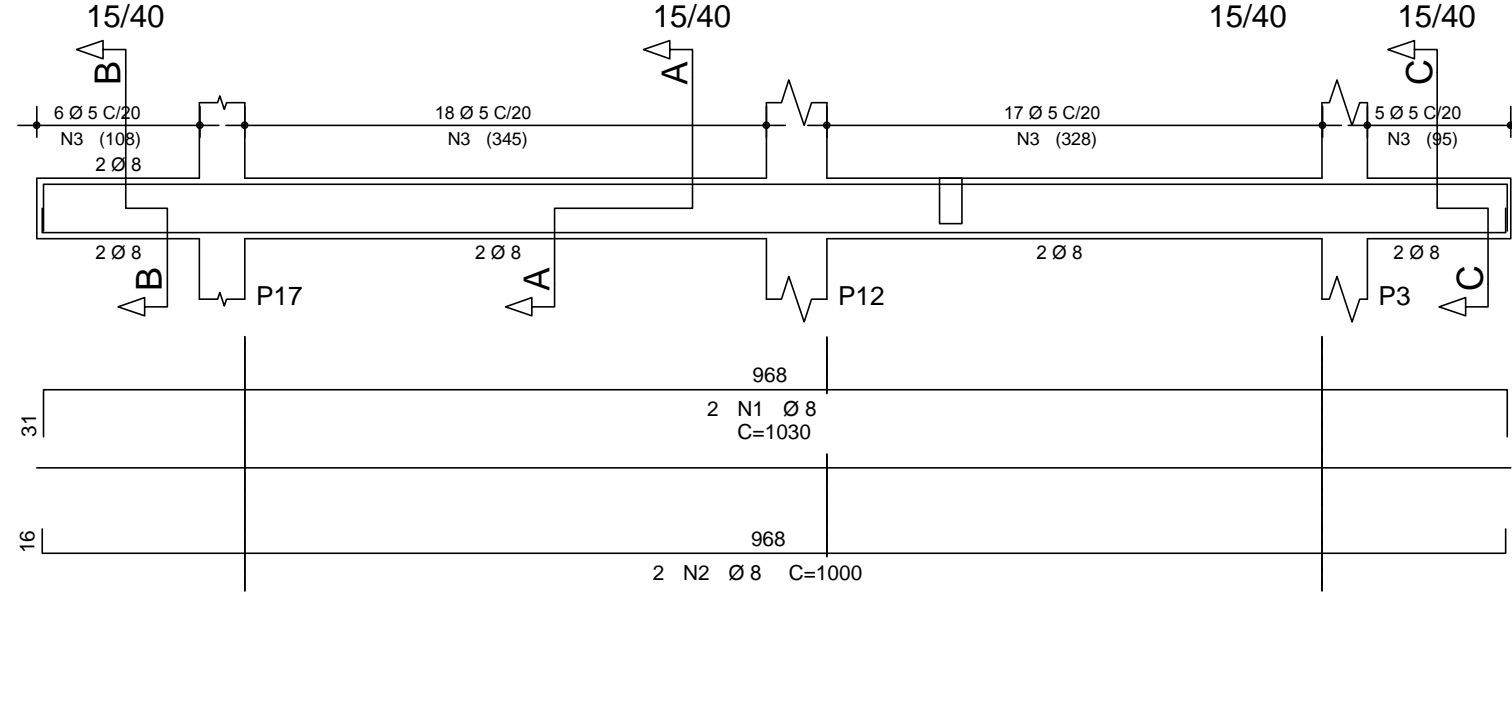
Corte B

Vb4



Corte A

Vb13

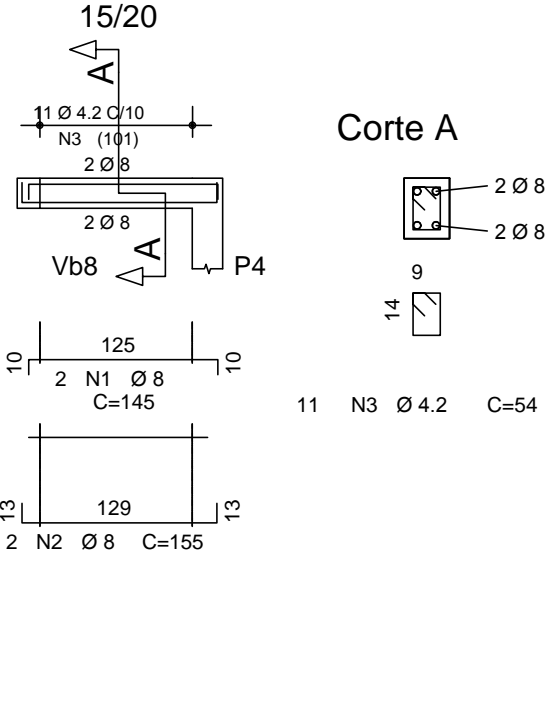


Corte A

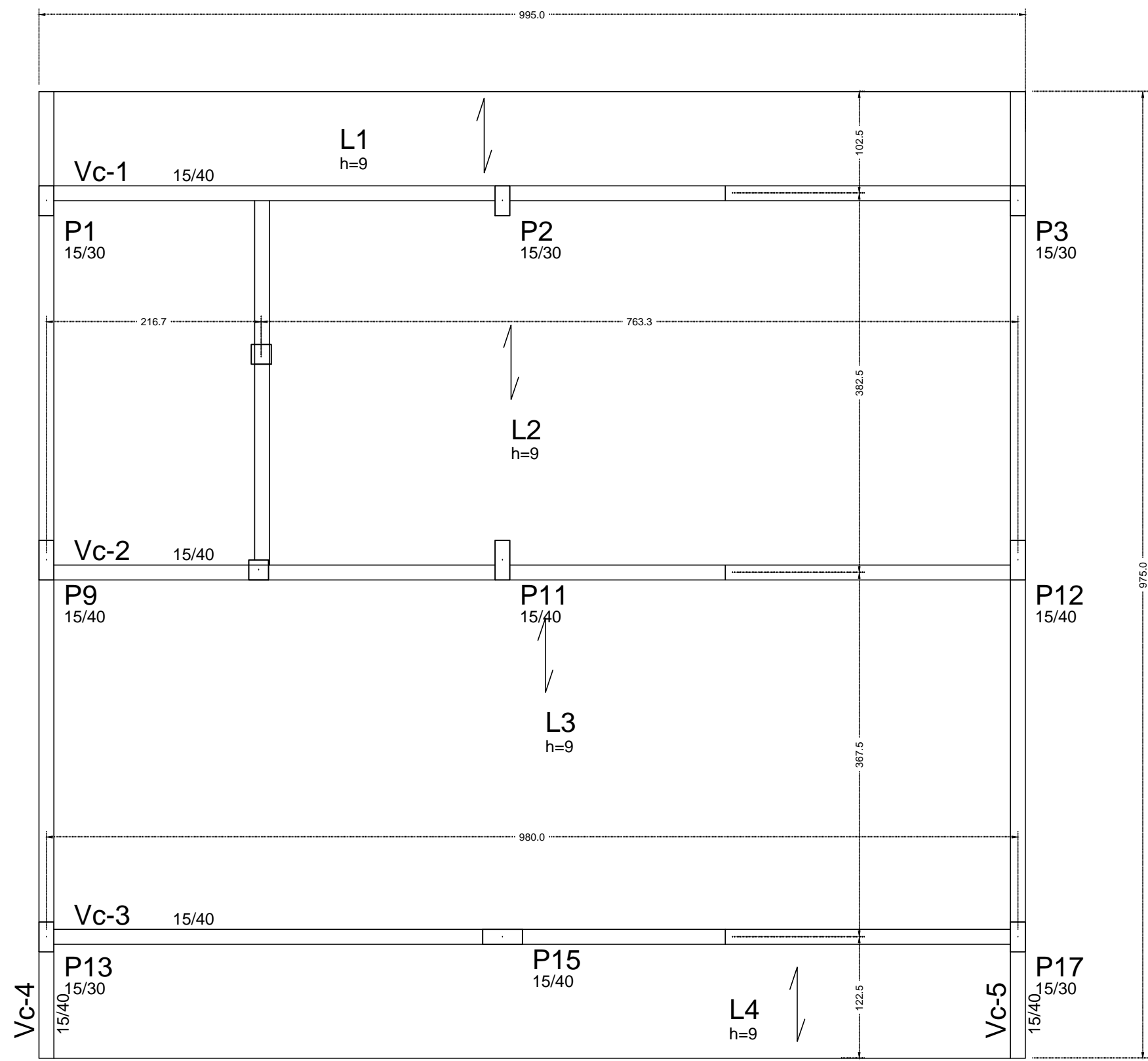
Corte B

Corte C

Vb2



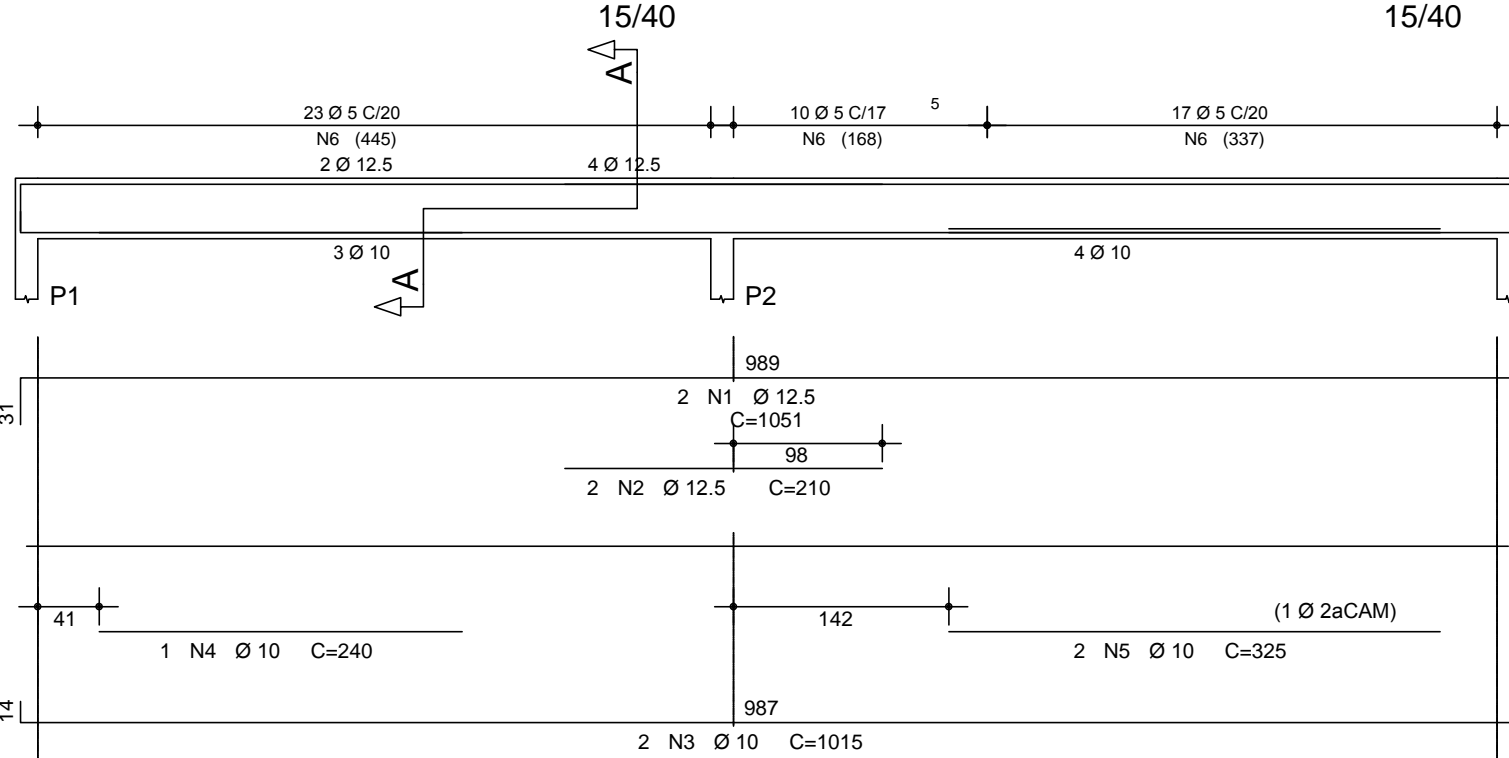
Corte A



LAJE COBERTURA

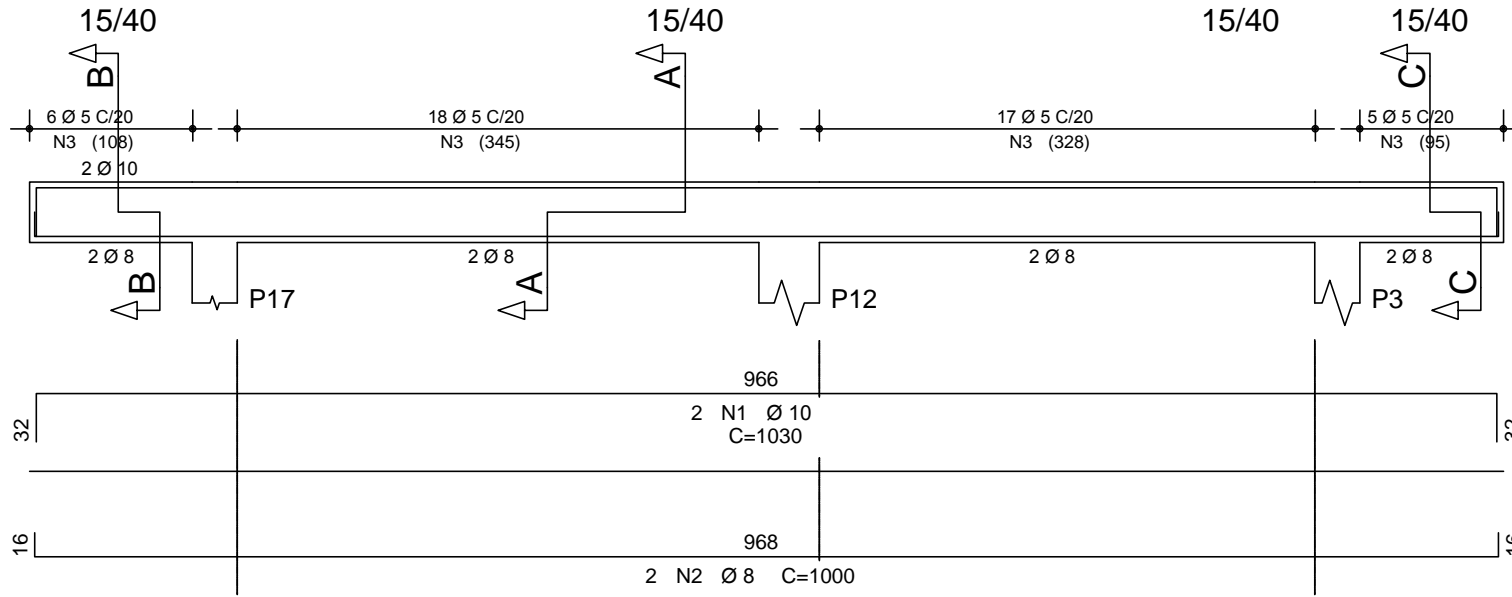
ARMAÇÃO: VIGAS DA COBERTURA

Vc-1



Corte A

Vc-5

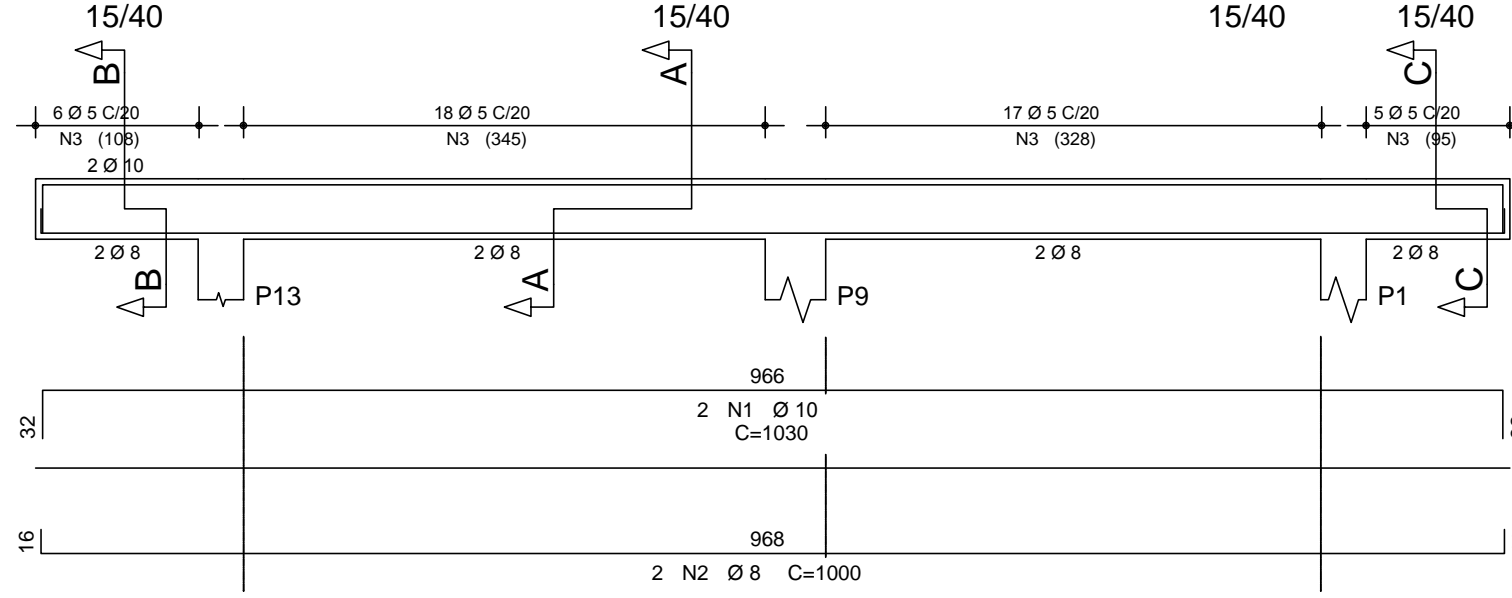


Corte A

Corte B

Corte C

Vc-4

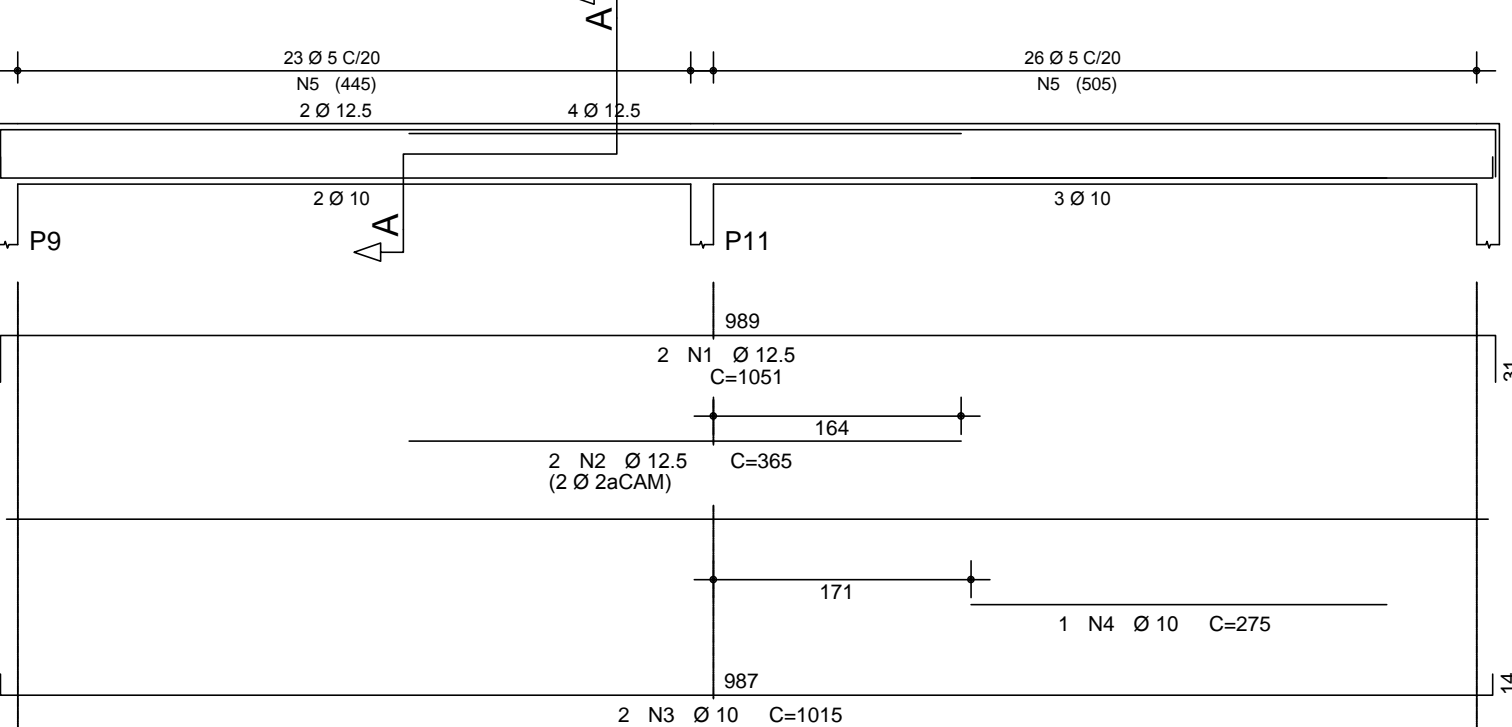


Corte A

Corte B

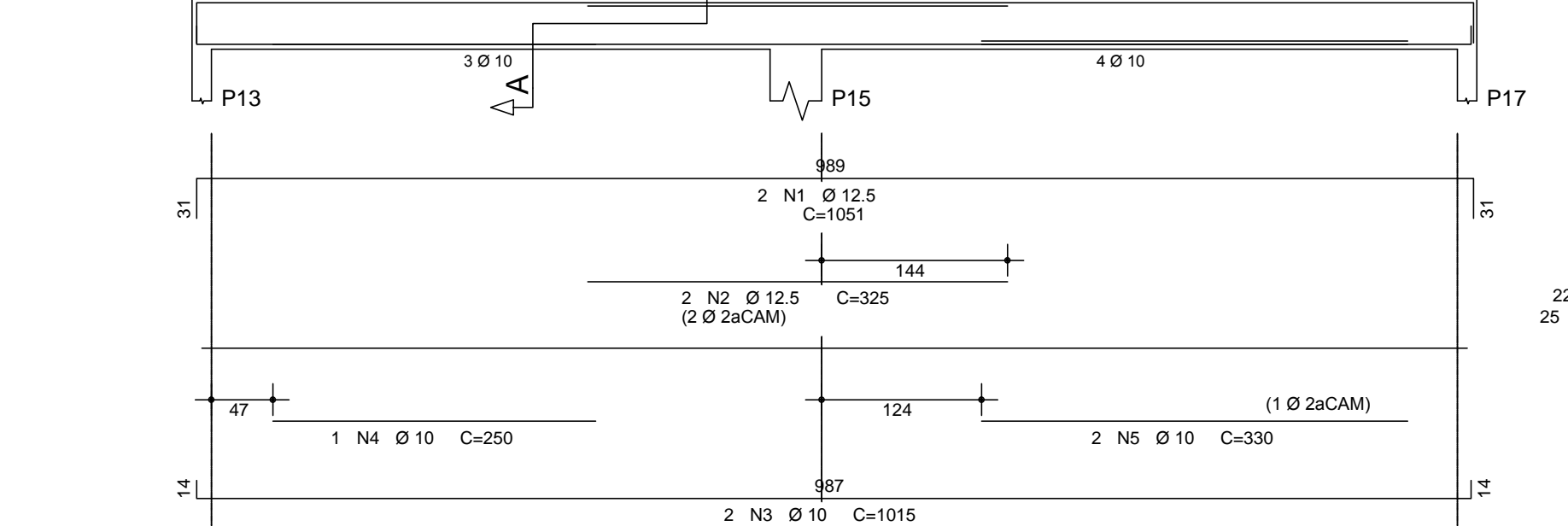
Corte C

Vc-2



Corte A

Vc-3



Corte A

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNIT (cm)	TOTAL (cm)
Vb4	50A	1	5	570	2280
	50A	2	6.3	80	160
	60B	3	4.2	33	74
Vb12	50A	1	8	430	860
	50A	2	8	408	816
	60B	3	4.2	223	446
	60B	4	4.2	12	96

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO	
60B	4.2	46	5	
50A	6.3	2	0	
50A	8	40	16	
Peso Total 60B =			5 kg	
Peso Total 50A =			16 kg	

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNIT (cm)	TOTAL (cm)
Vc-1	50A	1	12.5	2	1051
	50A	2	12.5	2	210
	50A	3	10	2	1015
	50A	4	10	1	2030
	50A	5	10	2	3045
Vc-2	50A	1	12.5	2	1051
	50A	2	12.5	2	210
	50A	3	10	2	1015
	50A	4	10	1	2030
	50A	5	10	2	3045
Vc-3	50A	1	12.5	2	1051
	50A	2	12.5	2	210
	50A	3	10	2	1015
	50A	4	10	1	2030
	50A	5	10	2	3045
Vc-4	50A	1	10	2	1030
	50A	2	8	2	1000
	50A	3	5	46	96
	50A	4	10	2	1030
	50A	5	10	2	1030
Vc-5	50A	1	10	2	1030
	50A	2	8	2	1000
	50A	3	5	46	96
	50A	4	10	2	1030
	50A	5	10	2	1030

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO	
60B	5	204	33	
50A	6.3	25	6	
50A	8	40	16	
50A	10	123	77	
50A	12.5	81	81	
Peso Total 60B =			33 kg	
Peso Total 50A =			181 kg	

UIENP - UNIVERSIDADE ESTADUAL DO NORTE DO PARANÁ					ORDEM N.º	
CLIENTE: CAMPUS CORNELIO PROSPERIO - RUA PR 150 - KM 0 - CORNELIO PROSPERIO PR					DESL N.º	
OBJETO: CONSTRUÇÃO DE UMA COZINHA EM ALVENARIA DE TIJOLOS					TRU 02/03	
TÍTULO: PROJETO ESTRUTURAL					REV. N.º	
FORMA: VIGAS DA COBERTURA ARMAÇÃO: VIGAS DA COBERTURA						
DATA: 08/08/2011	ESCALA:	FOZ: 25/10/11	DESENHO:	SERIE:	ENG.º LINCOLN WEDDAH	