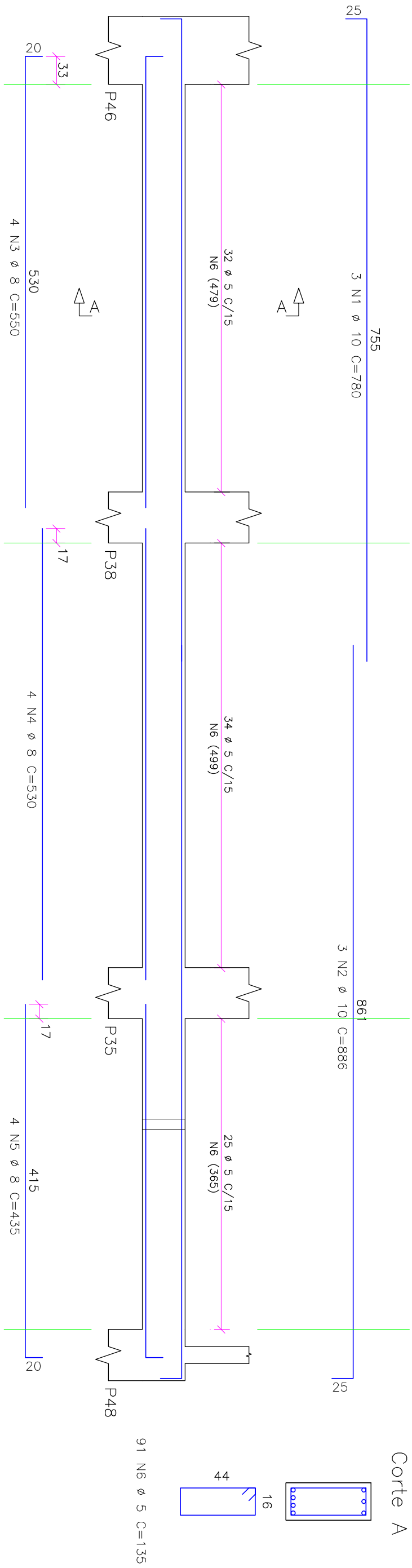
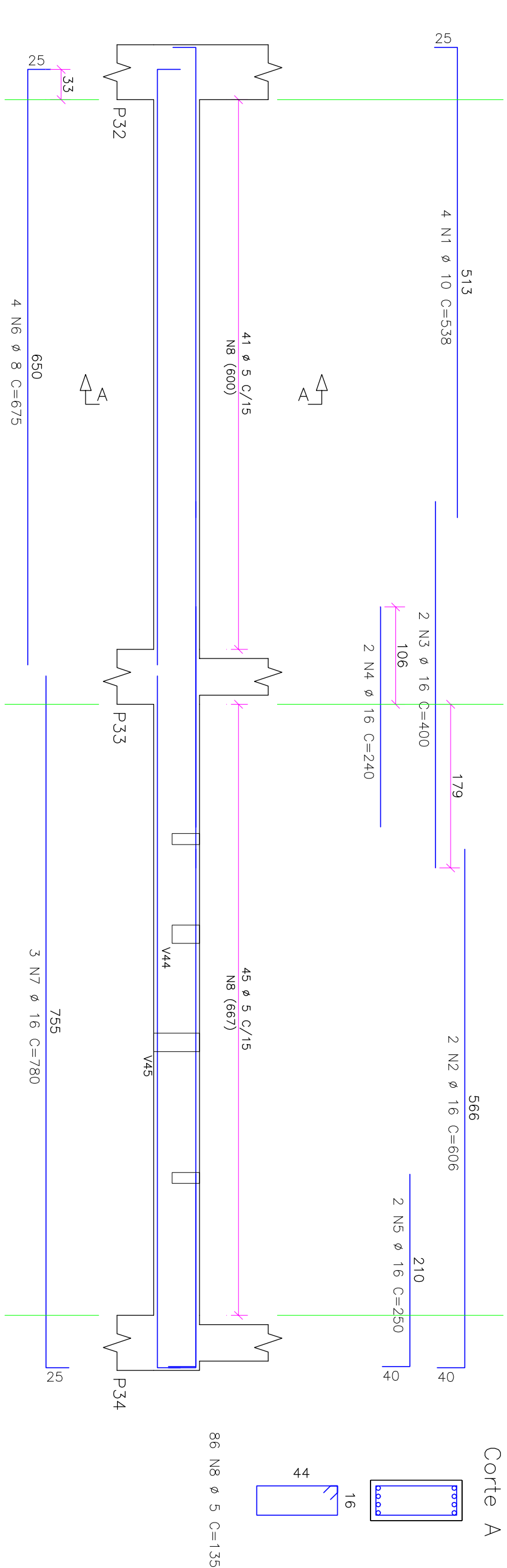


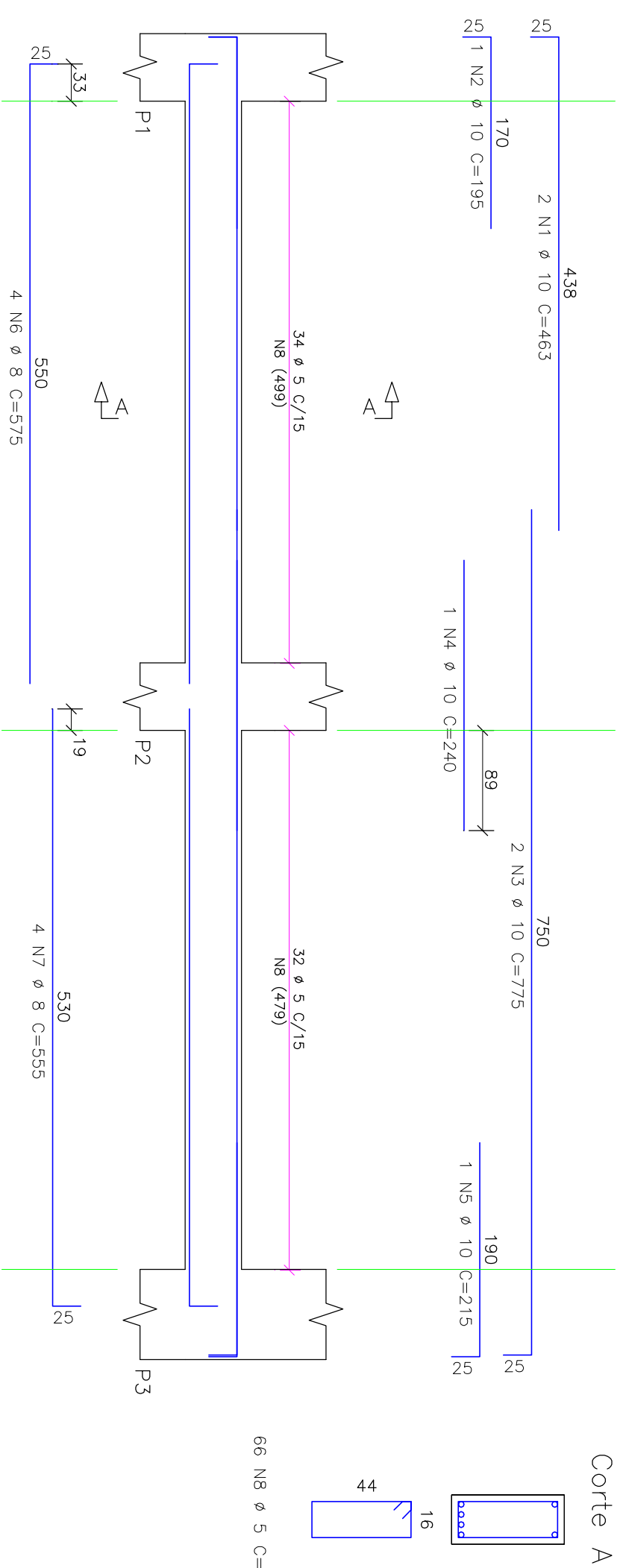
V37 22/50



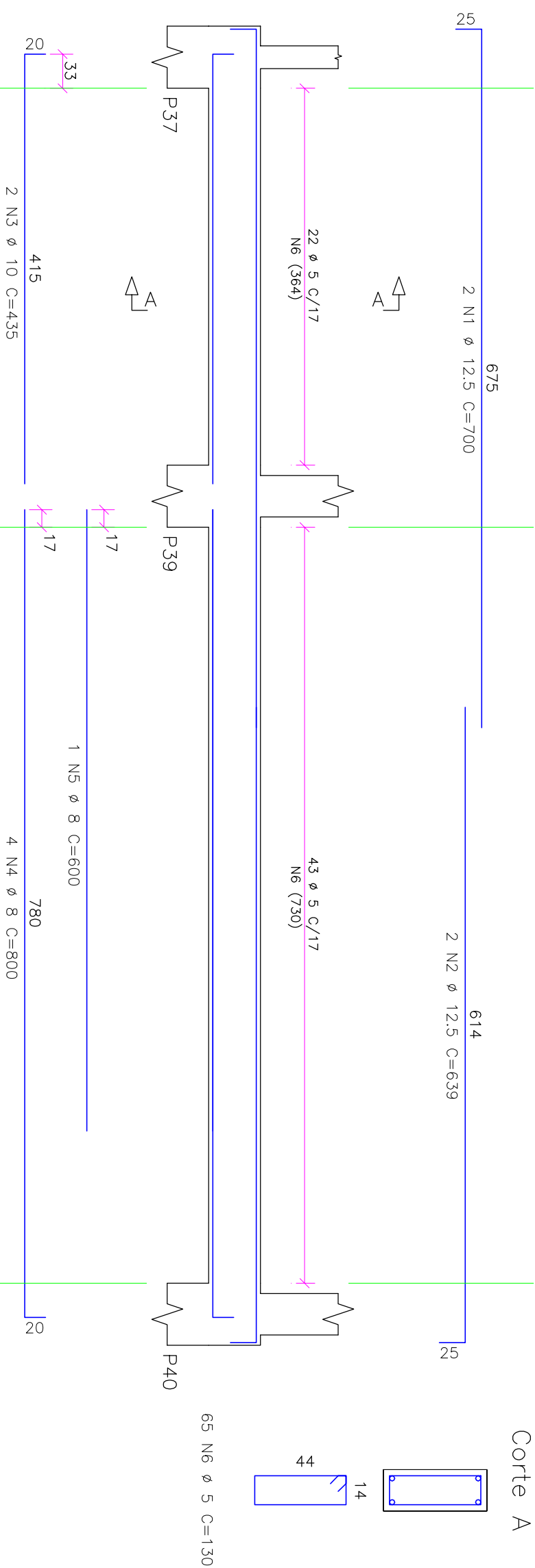
V29A/V70A 22/50



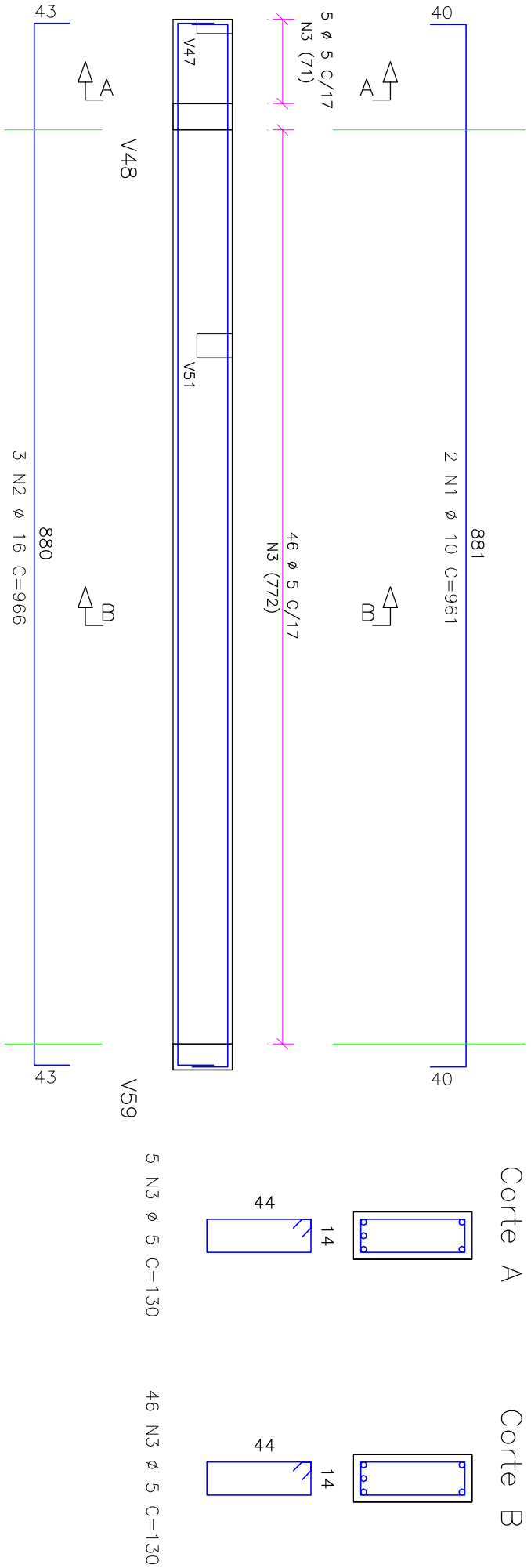
V1 22/50



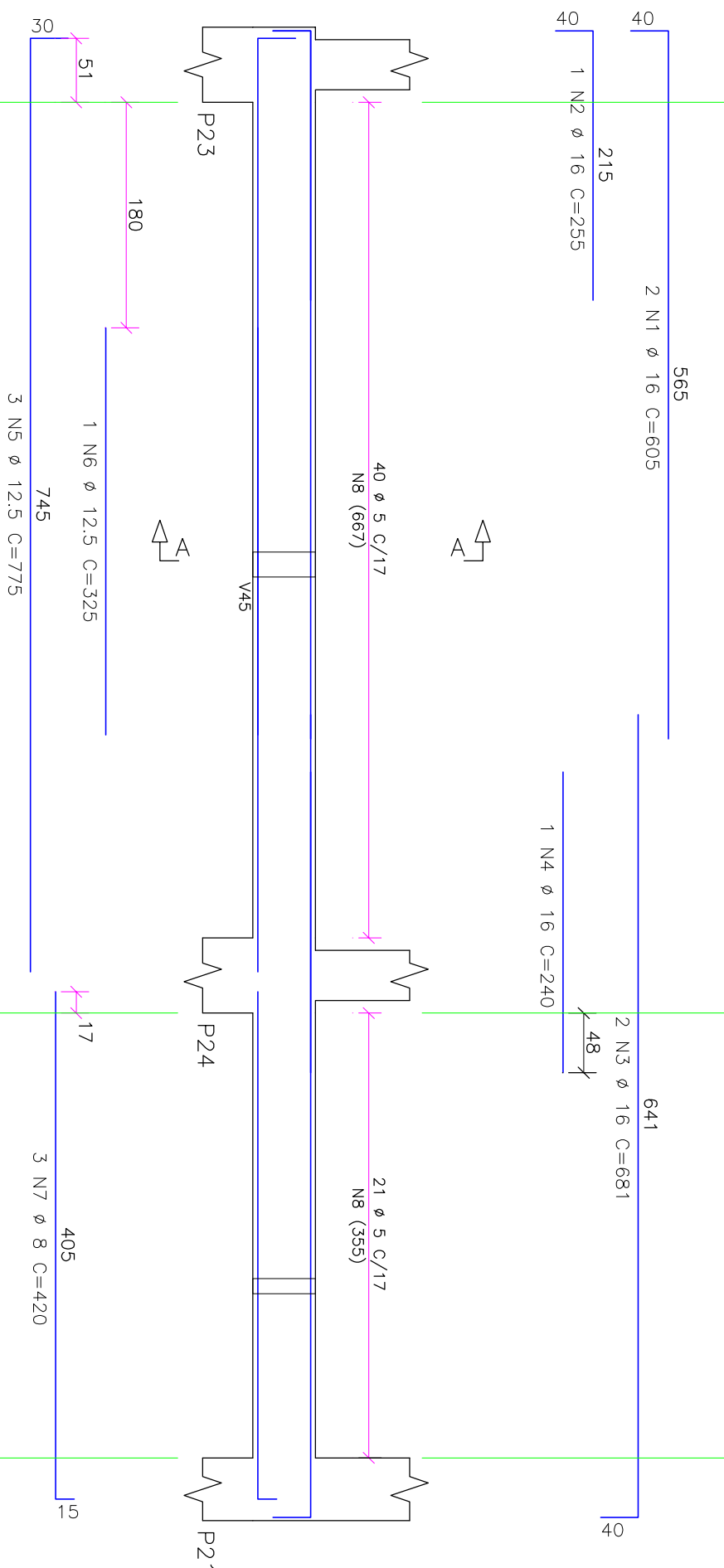
V33/V72 20/50



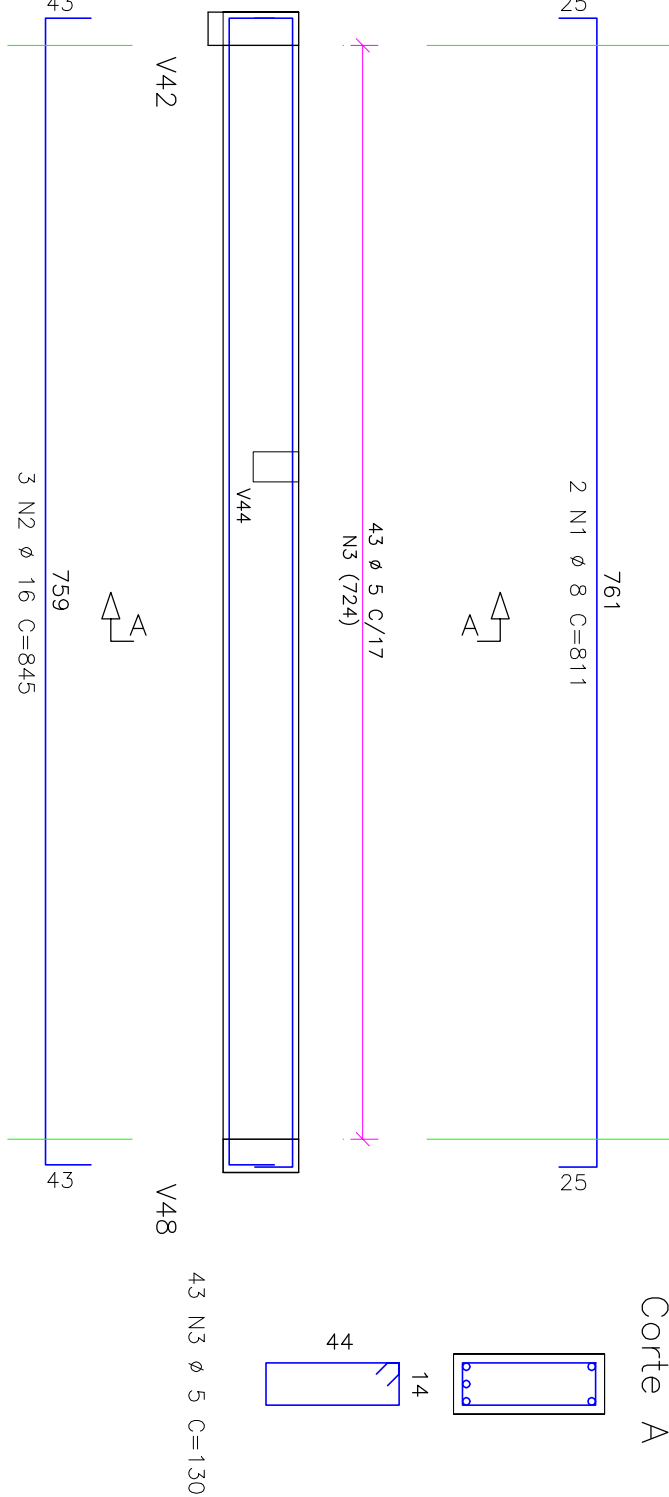
V34 20/50



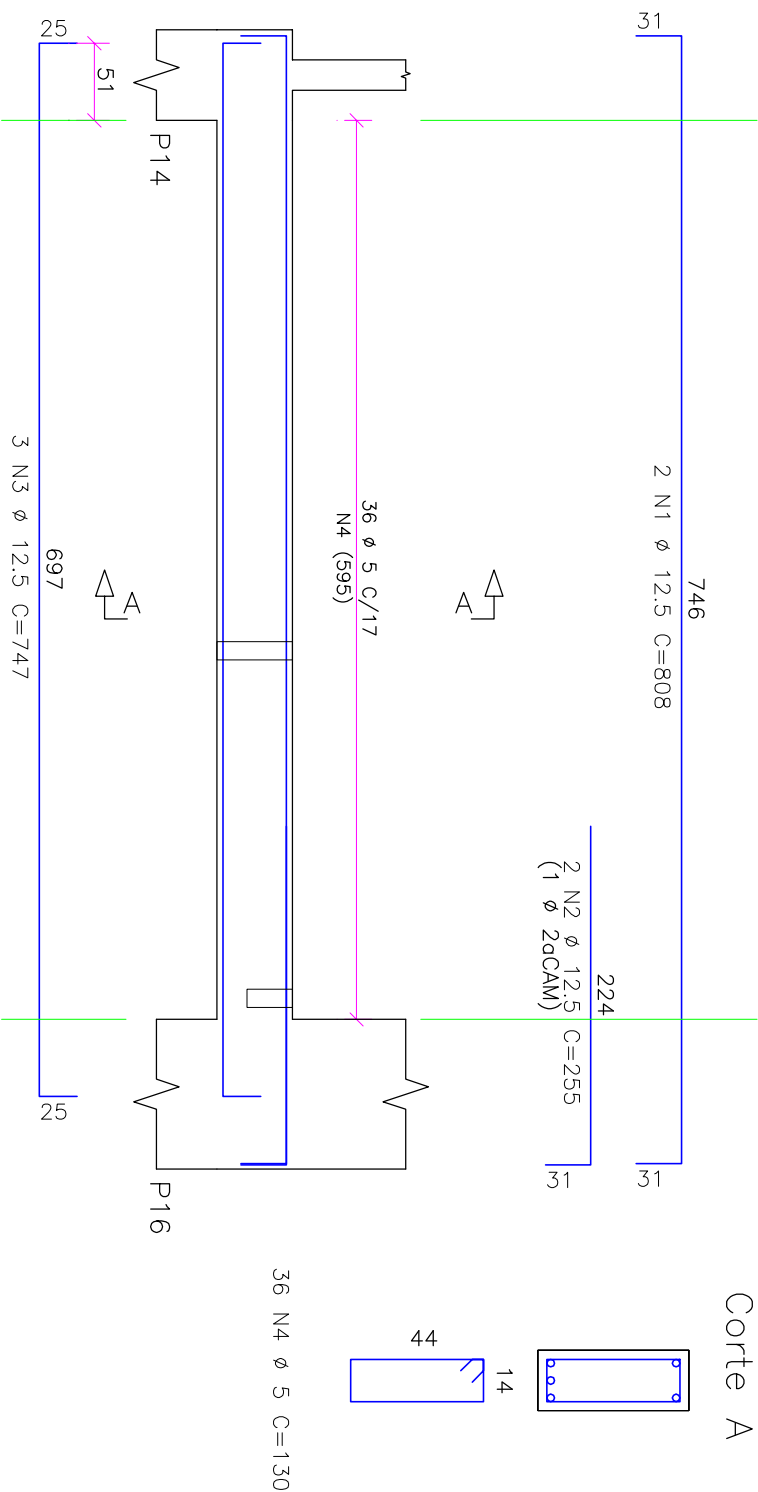
V17/V61 20/50



V32 20/50



V14/V55 20/50



AÇO	POS	BIT	QUANT	COMPRIMENTO
		(mm)	UNIT	TOTAL
		(cm)	(cm)	(cm)

V1	50	1	10	2	463	926	
	50	2	10	1	795	1590	
	50	3	10	2	142	2840	
	50	4	10	1	240	240	
	50	5	10	1	215	215	
	50	6	8	4	575	2300	
	50	7	8	4	575	2300	
	50	8	5	66	135	8810	
V1	50	1	16	24	622	14928	
	50	2	20	54	16584	56584	
	50	3	8	144	576	4608	
	50	4	8	120	446	53520	
V4	50	1	10	2	730	1460	
	50	2	12.5	5	36	135	4860
	50	3	5	36	135	4860	
V9	50	1	16	4	605	2420	
	50	2	16	2	255	510	
	50	3	16	4	681	2724	
	50	4	16.5	2	240	480	
	50	5	11.5	2	445	890	
	50	6	12.5	2	325	650	
	50	7	8	6	420	2520	
	50	8	5	122	130	15860	
V24/V65	50	1	8	4	803	3212	
	50	2	10	4	810	3240	
	50	3	10	4	605	2420	
	50	4	5	54	115	6210	
V32	50	1	8	2	811	1622	
	50	2	16	3	845	2535	
	50	3	5	43	130	5590	
V33/V72	50	1	12.5	4	700	2800	
	50	2	12.5	4	639	2556	
	50	3	10	4	435	1740	
	50	4	8	8	800	6400	
	50	5	7	2	170	340	
	50	6	5	130	130	16900	
V34	50	1	10	2	961	1922	
	50	2	16	3	966	2898	
	50	3	5	51	130	6530	
V37	50	1	10	3	780	2340	
	50	2	10	3	866	2658	
	50	3	10	3	903	2709	
	50	4	10	3	325	1299	
	50	5	10	3	325	1299	
	50	6	5	6	597	3582	
V42	50	1	16	2	968	1936	
	50	2	16	2	440	880	
	50	3	10	3	903	2709	
	50	4	10	3	325	1299	
	50	5	10	3	325	1299	
	50	6	5	6	597	3582	
V45	50	1	8	2	700	1400	
	50	2	16	3	130	4810	
	50	3	3	37	130	4810	
V29A/V70A	50	1	10	8	538	4304	
	50	2	16	4	606	2424	
	50	3	16	4	240	960	
	50	4	16	4	250	1000	
	50	5	16	4	250	1000	
	50	6	8	8	675	5400	
	50	7	5	172	135	23220	
RESUMO AÇO CA 50-60 PESO							
AÇO	BIT	COMPR	PESO				
60	(mm)	(m)	(kg)	210			
50	6.3	354	88				
50	8	1754	701				
50	12.5	285	295				
50	16	471	754				
50	20	466	1165				
Peso Total	60	=	210				
Peso Total	50	=	3169				

OBSERVAÇÃO

ALTERAÇÃO	DATA	REVISÃO	ASSUNTO



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www.aquedroprojeto.com

PROJETO EXECUTIVO

PROJETO DE ESTRUTURA DE CONCRETO ARMADO

Proprietário: UNIRIO - UNIVERSIDADE FEDERAL DO ESTADO DO RIO DE JANEIRO

Local: AV. PAULSTER 458, URCA, RIO DE JANEIRO/RJ

Co-ordenadores do Projeto:

Autor do Projeto:

LÚCIO ROBERTO DE ALMEIDA

Desenhado CAD/ DATA 20/05/97

MÁRIO ANDRÉ DE AMORIM PALMA

ENGENHEIRO CIVIL/ DATA 19/05/77

Responsável

Assunto: ARMADURA DAS VIGAS E PAVIMENTO V4, V14, V17, V29A, V32, V33, V34, V37, V55, V61, V70A, V72

CONCRETO - AÇO - 0.55

Folha: VIGA 13