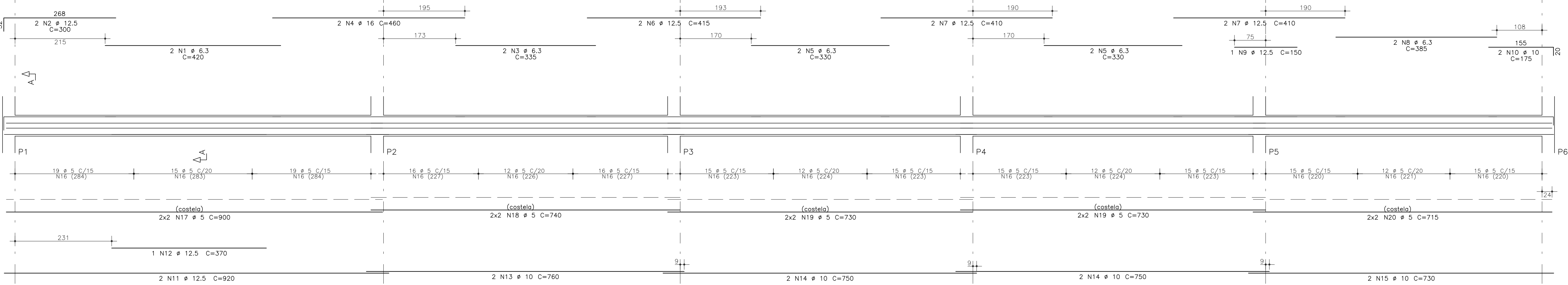
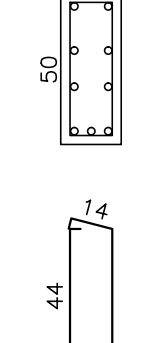


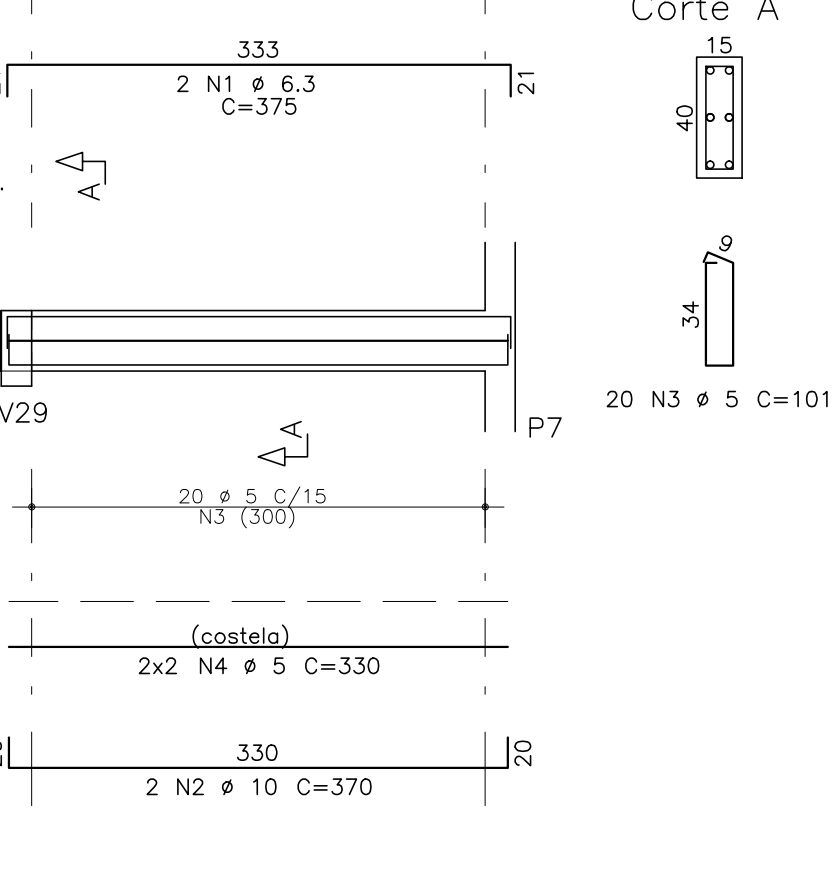
V1 20X50



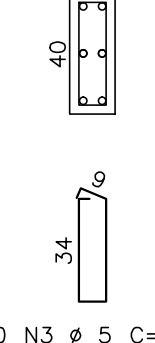
Corte A



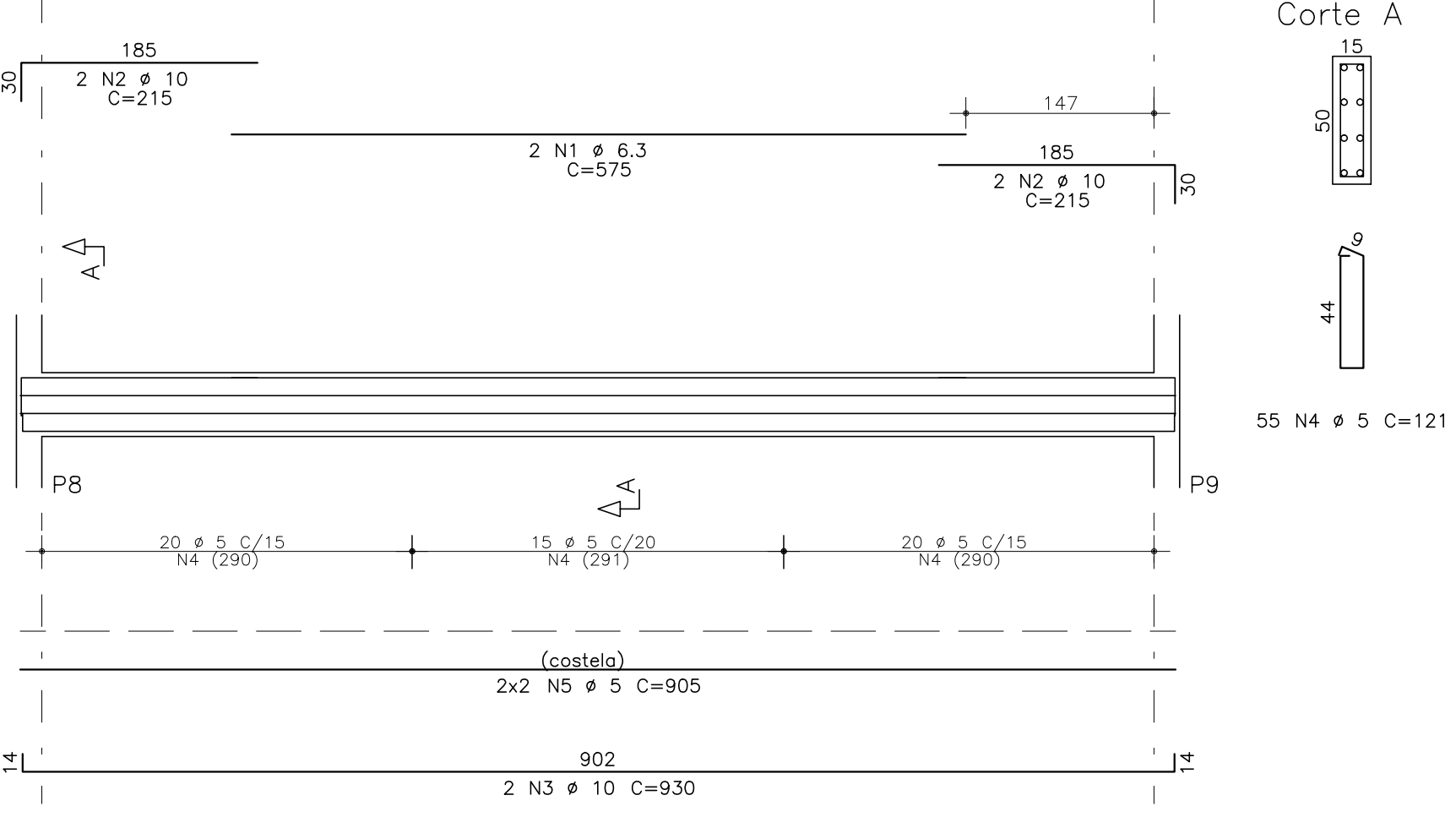
V2=V7 15X40



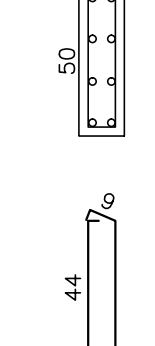
Corte A



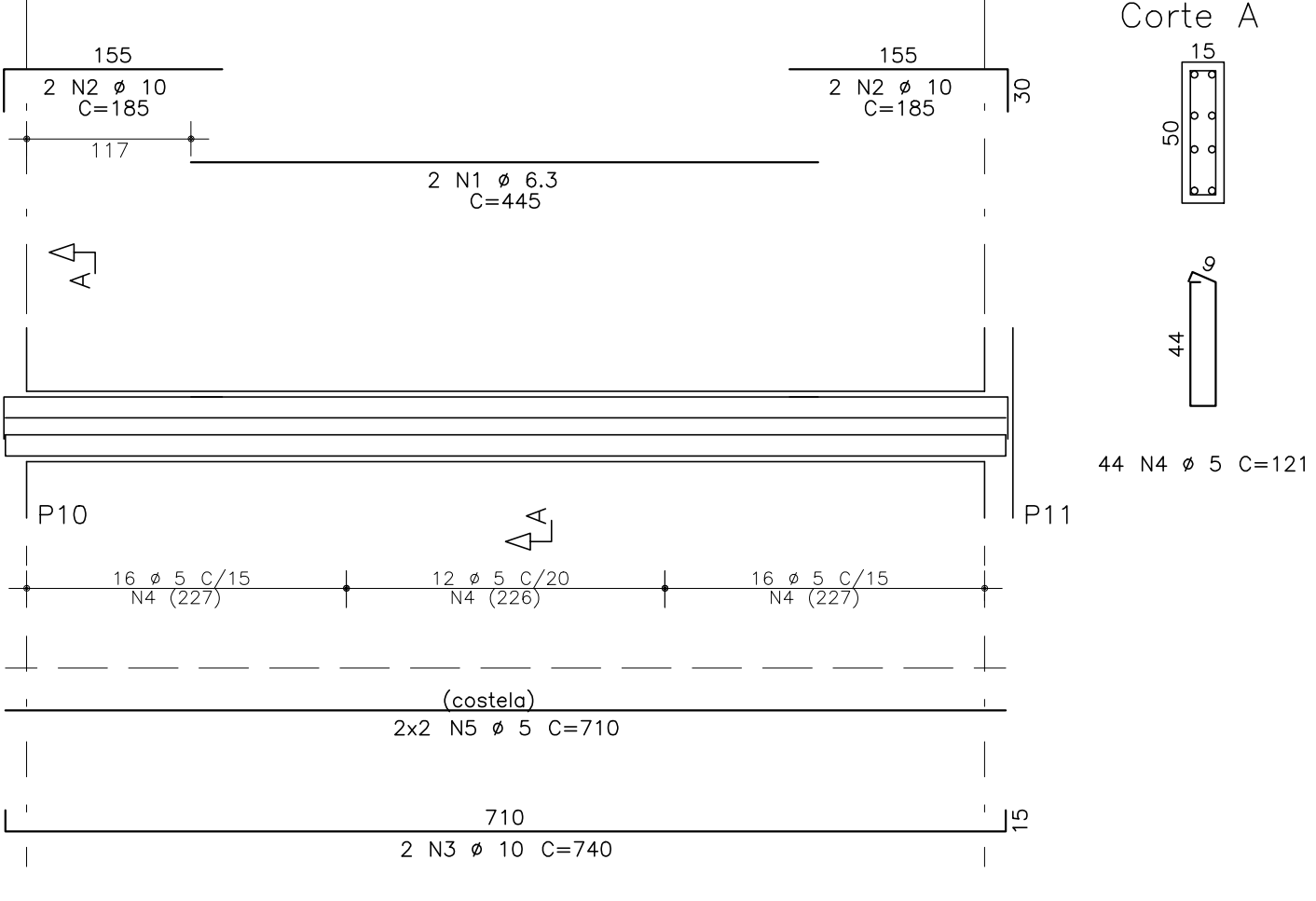
V3 15X50



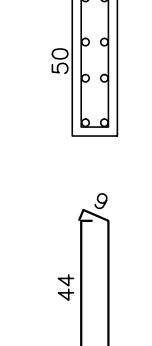
Corte A



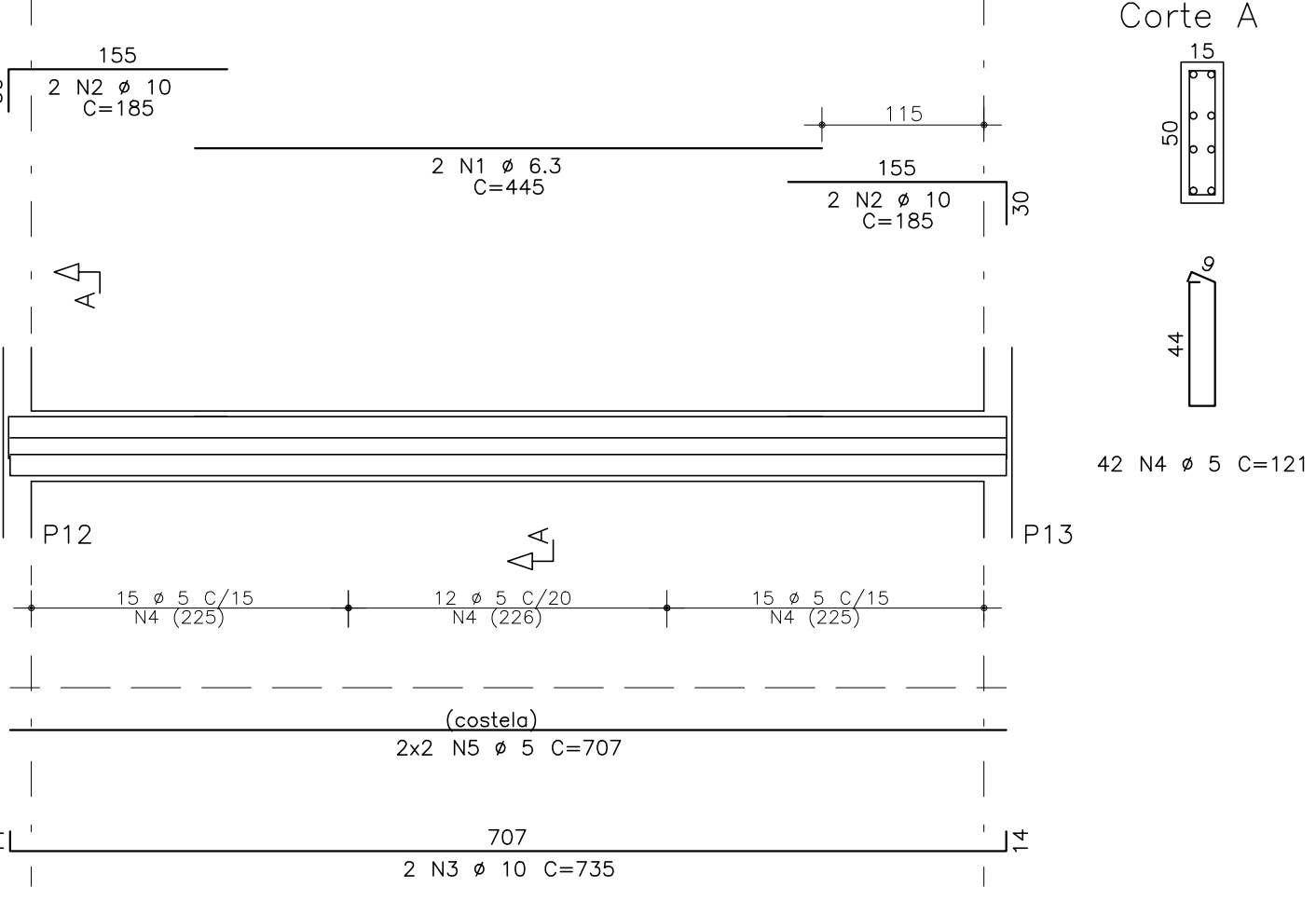
V4 15X50



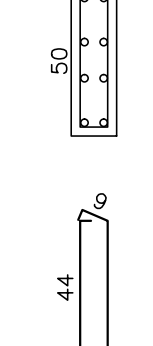
Corte A



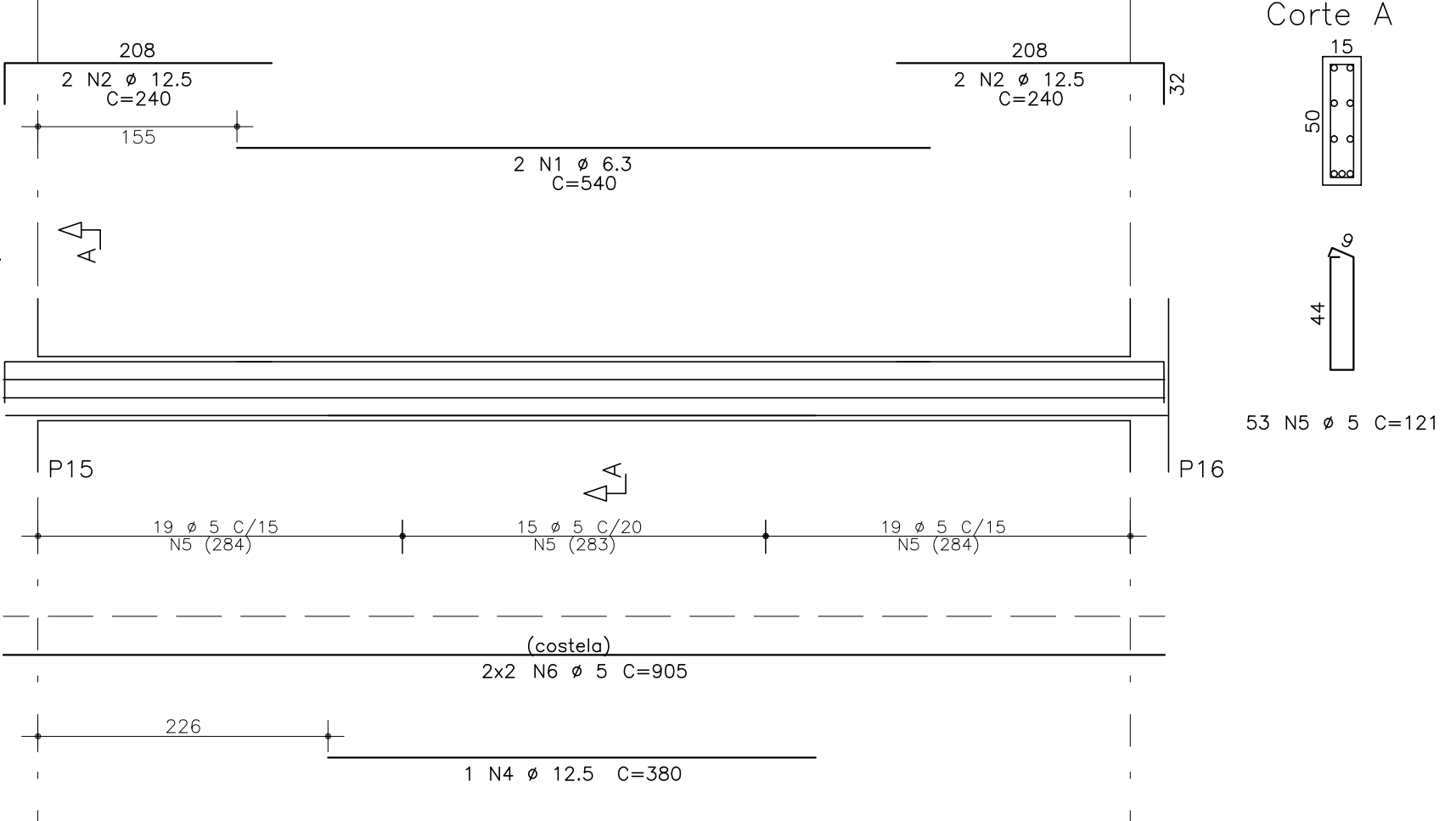
V5 15X50



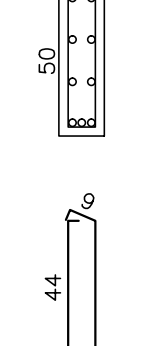
Corte A



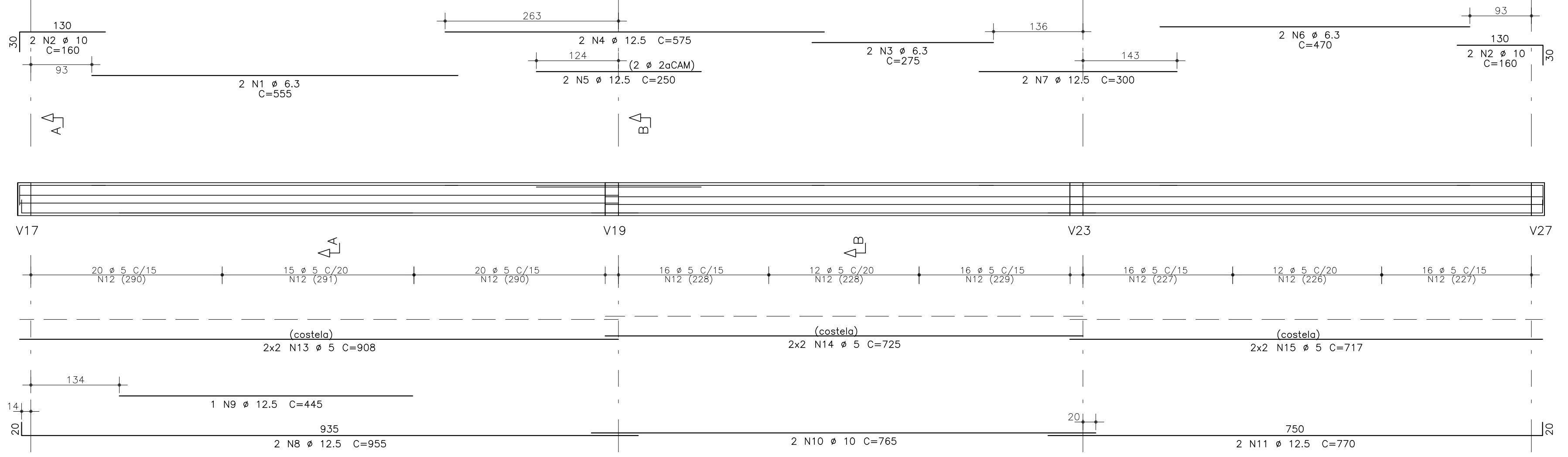
V8=V12=V14 15X50



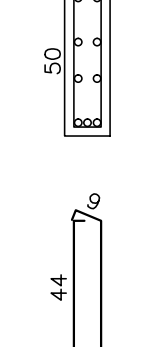
Corte A



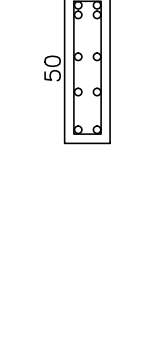
V6 15X50



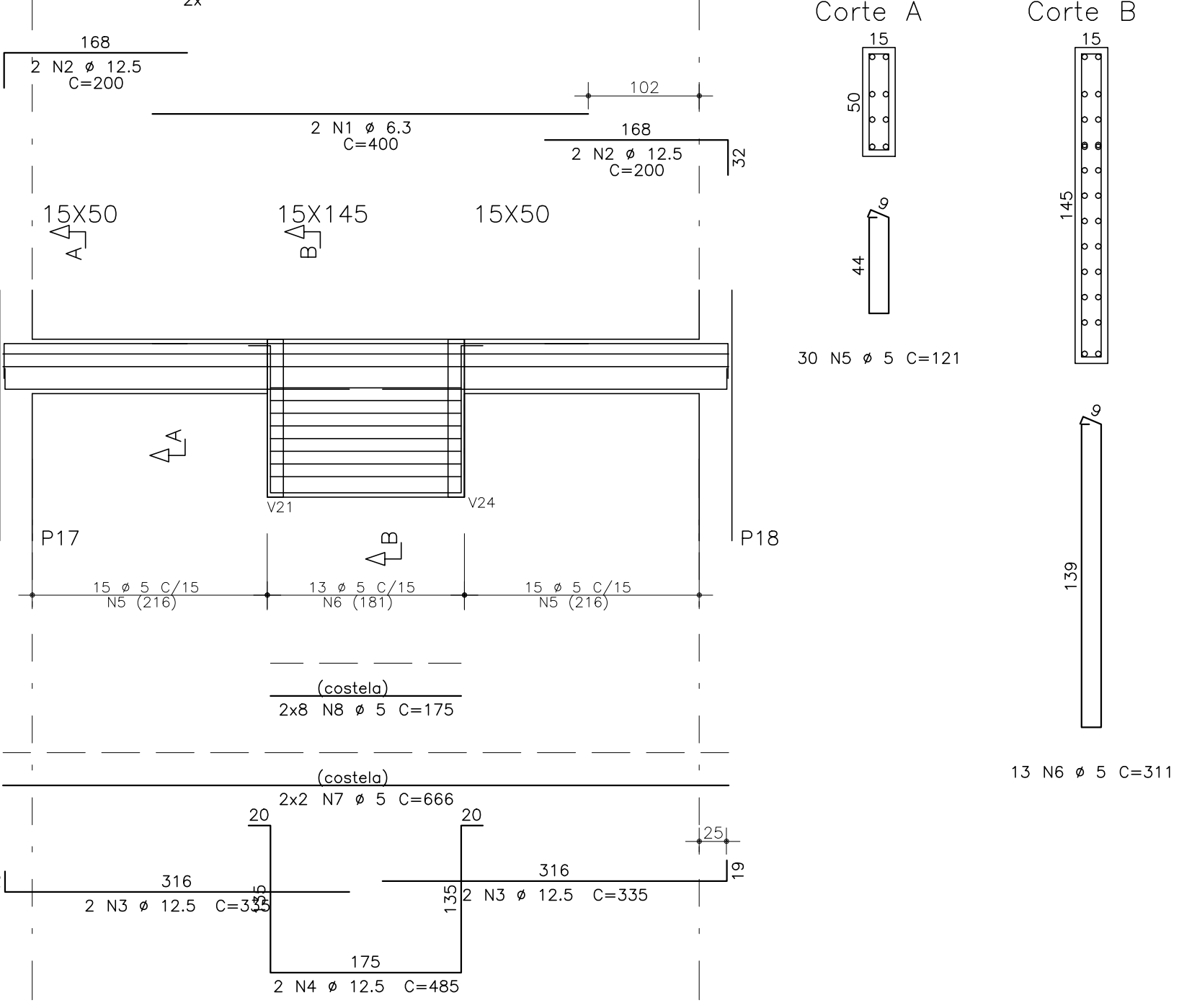
Corte A



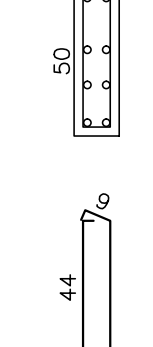
Corte B



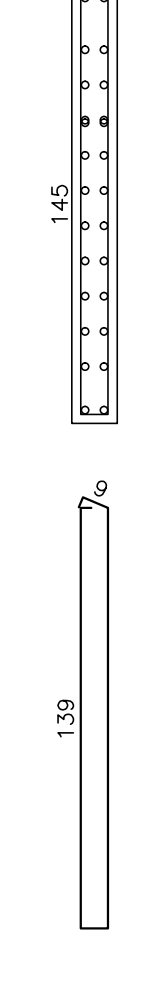
V9=V11



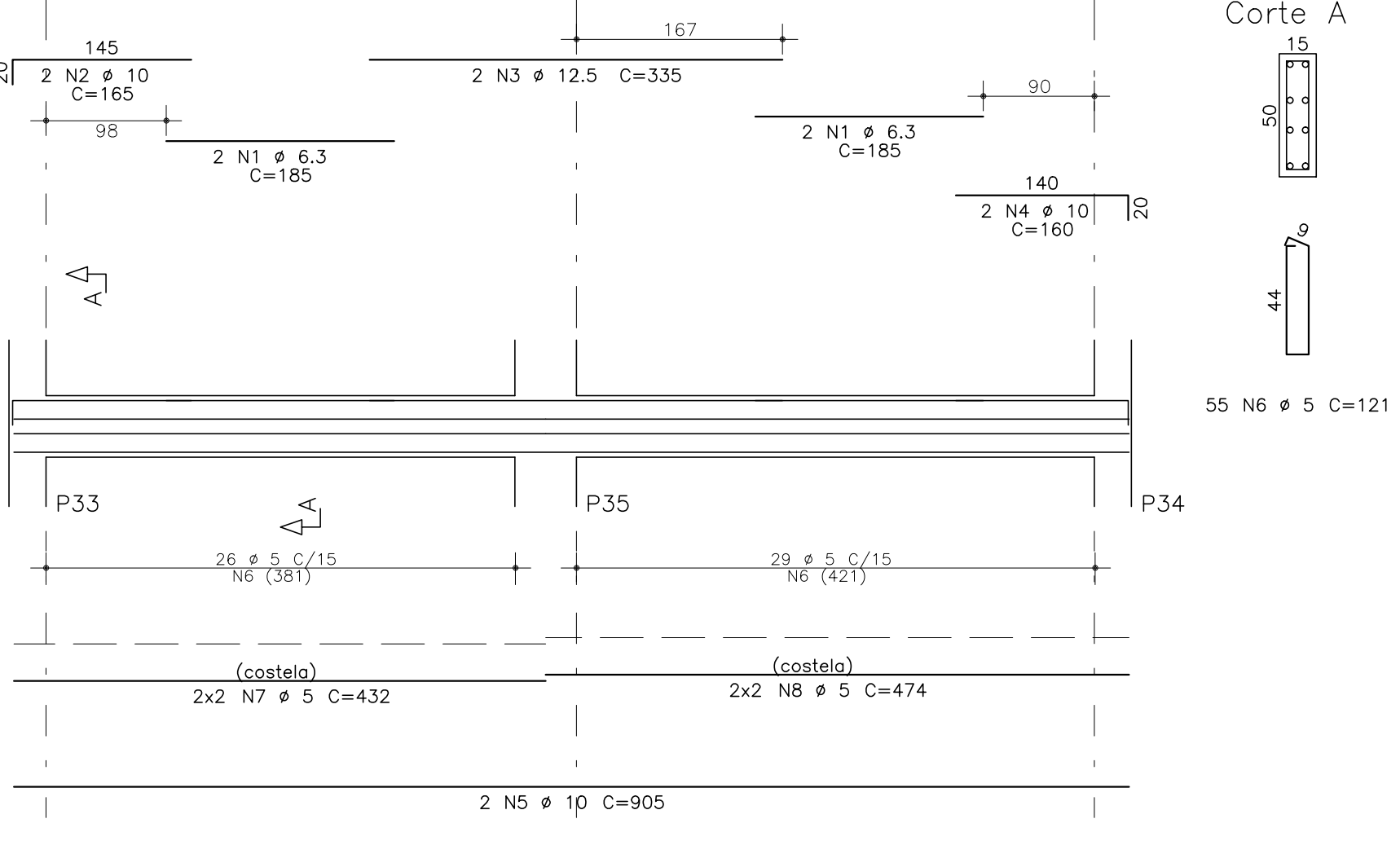
Corte A



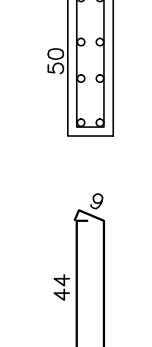
Corte B



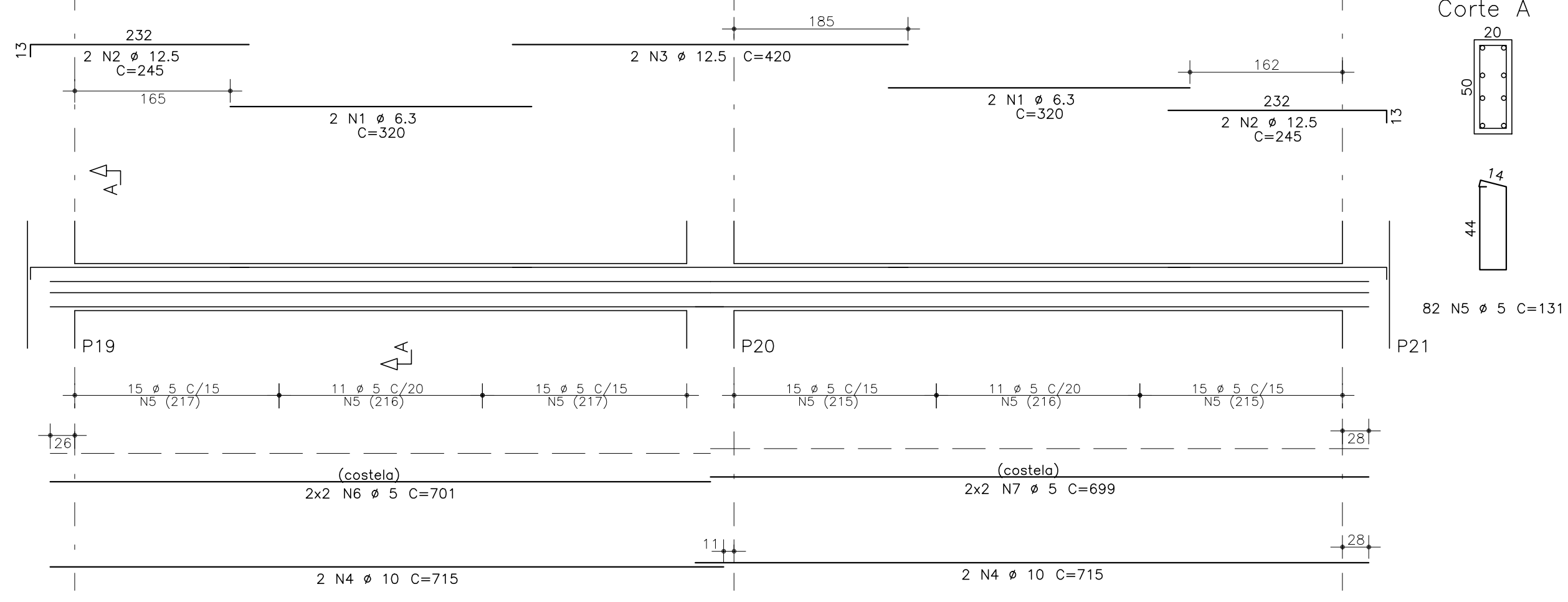
V15 15X50



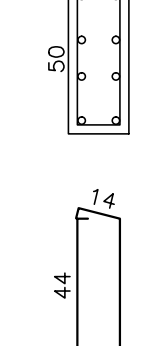
Corte A



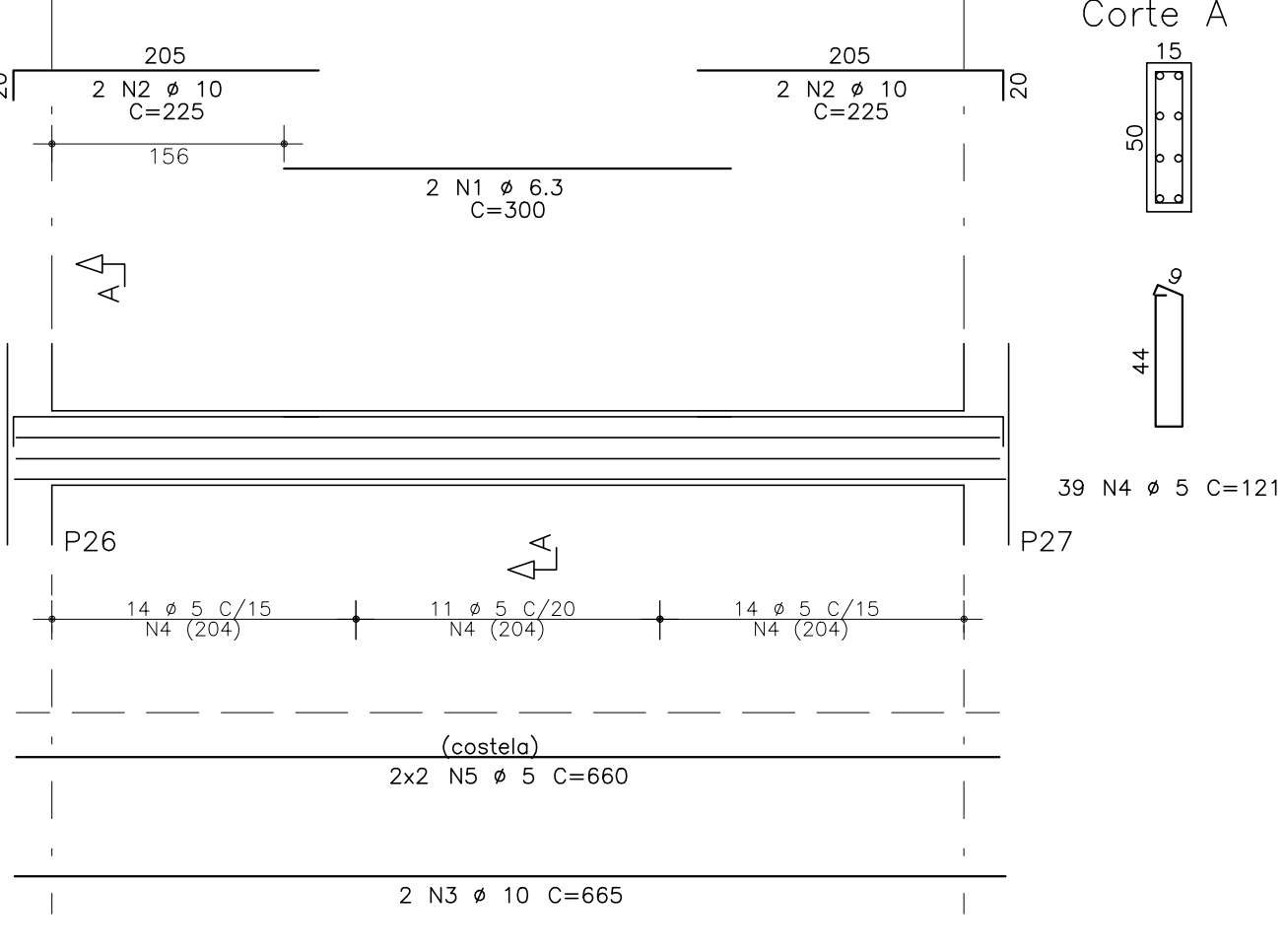
V10 20X50



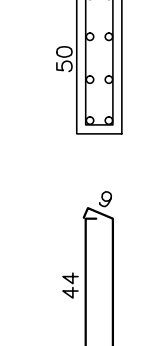
Corte A



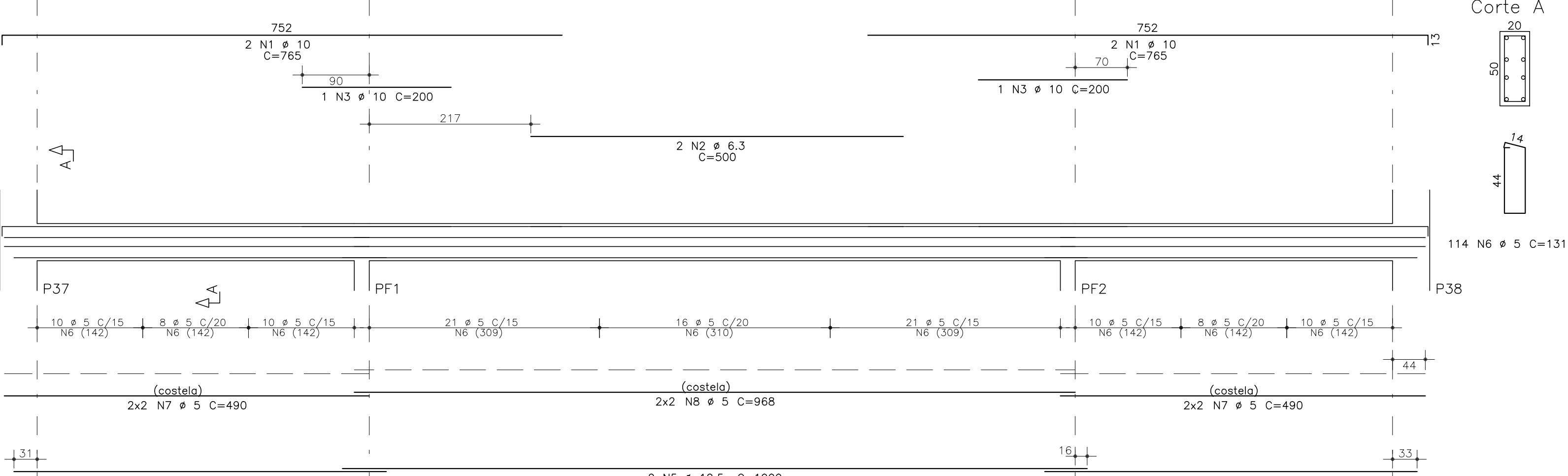
V13 15X50



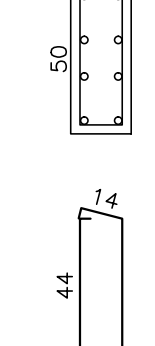
Corte A



V16 20X50



Corte A



	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO (cm)	UNIT	TOTAL (cm)
V1	50A	1	6.3	2	420	840	
	50A	2	12.5	2	360	720	
	50A	3	6.3	2	335	670	
	50A	4	16	2	460	920	
	50A	5	6.3	2	330	660	
	50A	6	12.5	2	415	830	
	50A	7	12.5	2	410	820	
	50A	8	12.5	2	385	770	
	50A	9	12.5	2	150	300	
	50A	10	10	2	175	350	
	50A	11	12.5	2	320	640	
	50A	12	12.5	2	370	740	
V2=V7	(X2)	1	6.3	4	375	1500	
	50A	2	10	4	370	1480	
	50B	3	5	4	101	404	
	50B	4	5	8	330	2640	
V3	50A	1	6.3	2	575	1150	
	50A	2	10	2	215	860	
	50A	3	5	5	95	180	
	50B	4	5	5	121	605	
V4	50A	1	6.3	2	445	890	
	50A	2	10	2	185	740	
	50A	3	10	2	740	1480	
	50B	4	5	4	121	484	
V5	50A	1	6.3	2	445	890	
	50A	2	10	2	185	740	
	50A	3	10	2	740	1480	
	50B	4	5	4	121	484	
V6	50A	1	6.3	2	555	1110	
	50A	2	10	2	160	640	
	50A	3	6.3	2	275	550	
	50A	4	12.5	2	1150	2300	
	50A	5	12.5	2	250	500	
	50A	6	6.3	2	470	940	
	50A	7	12.5	2	300	600	
	50A	8	12.5	2	955	1910	
	50A	9	12.5	2	445	890	
	50A	10	10	2	153	306	
	50A	11	12.5	2	770	1540	
	50B	12	5	14	121	1732	
V8=V12=V14	(X3)	1	6.3	6	540	3240	
	50A	2	12.5	12	240	2880	
	50A	3	12.5	6	960	5430	
	50B	4	5	380	1140	5430	
V9=V11	(X2)	1	6.3	4	555	2220	
	50A	2	12.5	8	240	1920	
	50A	3	12.5	4	485	2880	
	50B	4	5	60	121	7260	
V10	50A	1	6.3	2	575	1150	
	50A	2	10	2	215	860	
	50A	3	10	2	740	1480	
	50B	4	5	4	121	484	
V13	50A	1	6.3	2	300	600	
	50A	2	10	2	225	900	
	50A	3	10	2	665	1330	
	50B	4	5	38	121	4719	
V15	50A	1	6.3	4	540	2160	
	50A	2	10	2	245	980	
	50A	3	12.5	4	420	840	
	50A	4	10	2	715	2860	
V16	50A	1	6.3	2	330	1320	
	50A	2	10	2	245	980	
	50A	3	12.5	4	420	840	
	50A	4	10	2	715	2860	

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO (kg)	
60B	5	2173	335	
50A	6.3	191	47	
50A	10	301	186	
50A	12.5	317	306	
50A	16	9	15	
Peso Total	60B =		335 kg	
Peso Total	50A =		553 kg	

01 REVISÃO GERAL DO PROJETO		JC	01/02/2024
02 EMISSÃO INDIAL		YN	20/06/2023
REVISÃO	ASSINATO	RESENHO	DATA
PAGO		APROVO	
		PROPRIETÁRIO	
		PROJETO	
		PROJETO	
		CONSTRUÇÃO	
CONSELHO PROFISSIONAL			
SOP-CE		GOVERNO DO ESTADO DO CEARÁ	
SUPERINTENDÊNCIA DE OBRAS PÚBLICAS		Secretaria das Cidades	
SECRETARIA DAS CIDADES		SUPERINTENDÊNCIA DE OBRAS PÚBLICAS	
PROJETO: ESCOLA DE ENSINO MÉDIO PADRÃO - TIPO II		PROJETO PADRÃO	
INTERESSADO:	SEDUC - SECRETARIA DE EDUCAÇÃO	ÁREA TÉCNICA:	ESTRUTURA DE CONCRETO ARMADO
ENGENHEIRO:	RSDO SIN	ETAPA:	EXECUTIVO
MUNICÍPIO:	CEARÁ	CONTEÚDO:	ARM. VIGAS CINTAS - V1 a V16
AUTOR: JM	TELEFONE:	EMAIL:	CREA:
AUTOR:	TELEFONE:	EMAIL:	CREA:
RESERVA DE PROPRIEDADE INTELECTUAL		DESENHO:	JC
A PROPRIEDADE INTELECTUAL DO PRESENTE PROJETO É RESERVADA AO SEUS AUTORES DE ACORDO COM A LEGISLAÇÃO PREVISTO EM CADA ITEM PRECISO DE QUALQUER DE SEUS ELEMENTOS, QUE NÃO FOM O DETERMINADO, SENDO CONSIDERADO COMO INVENÇÃO E NÃO É REGISTRADO EM NENHUM DESEJO DE PATENTE, E TODOS OS DIREITOS		DATA:	01/02/2024
		REVISÃO:	01
		ARQUIVO:	ESEM TIPO2 R1 01-02-2024.rvt