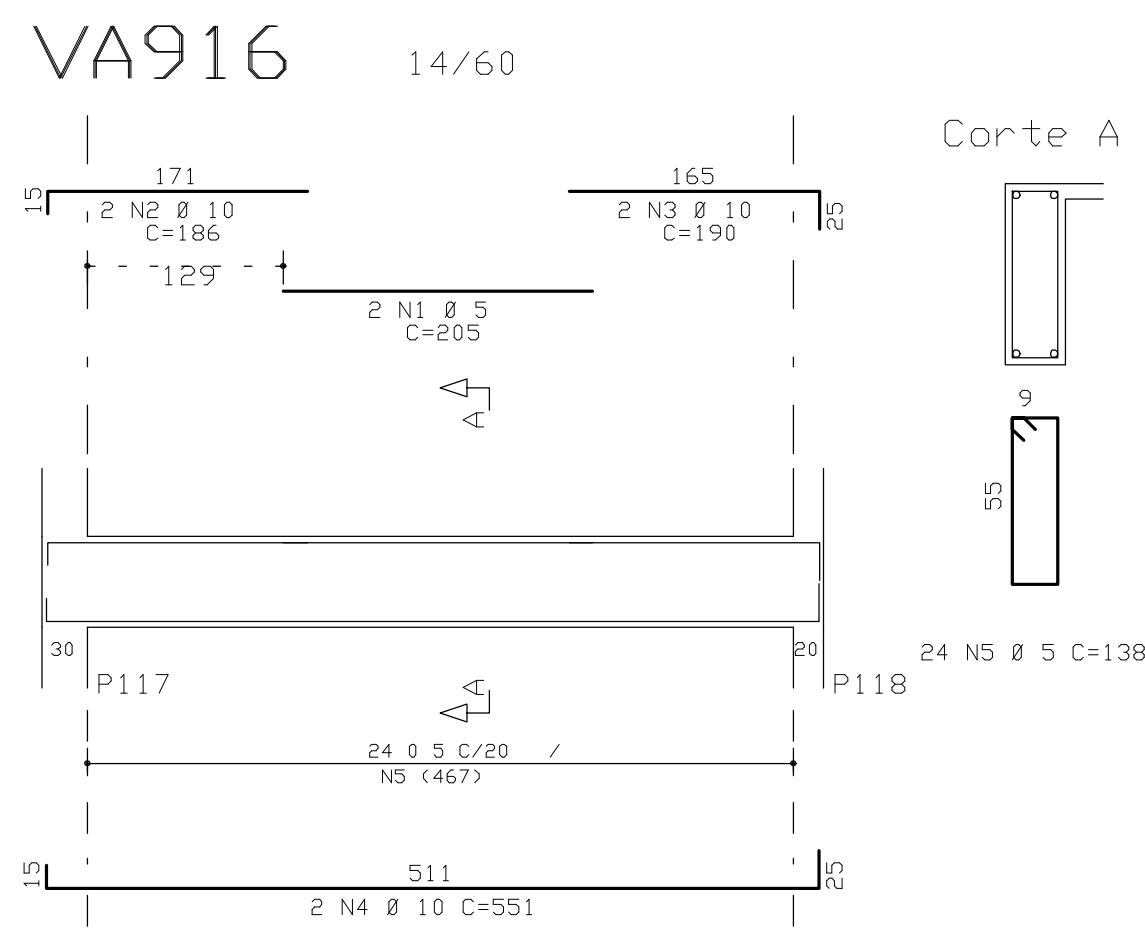
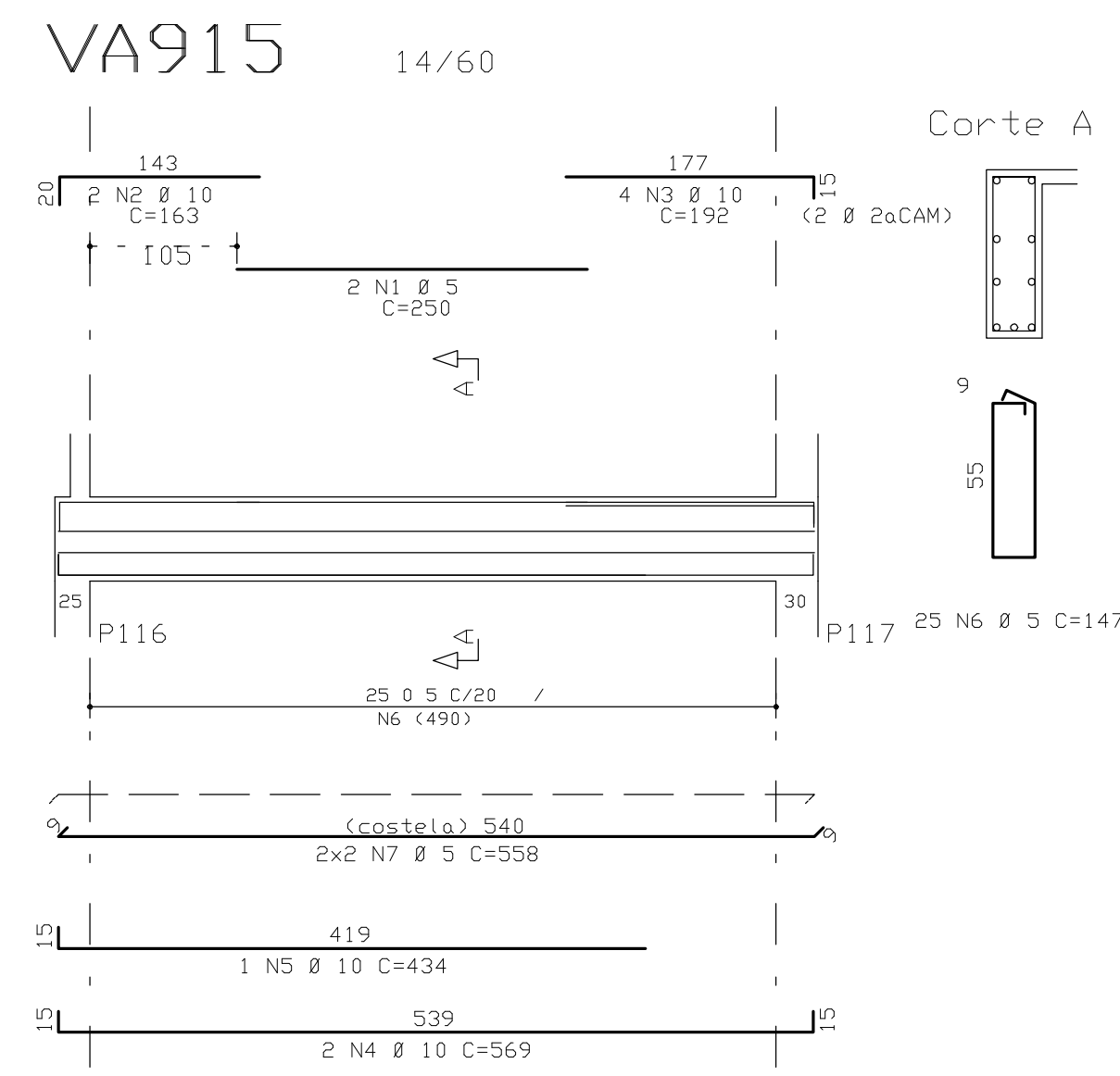
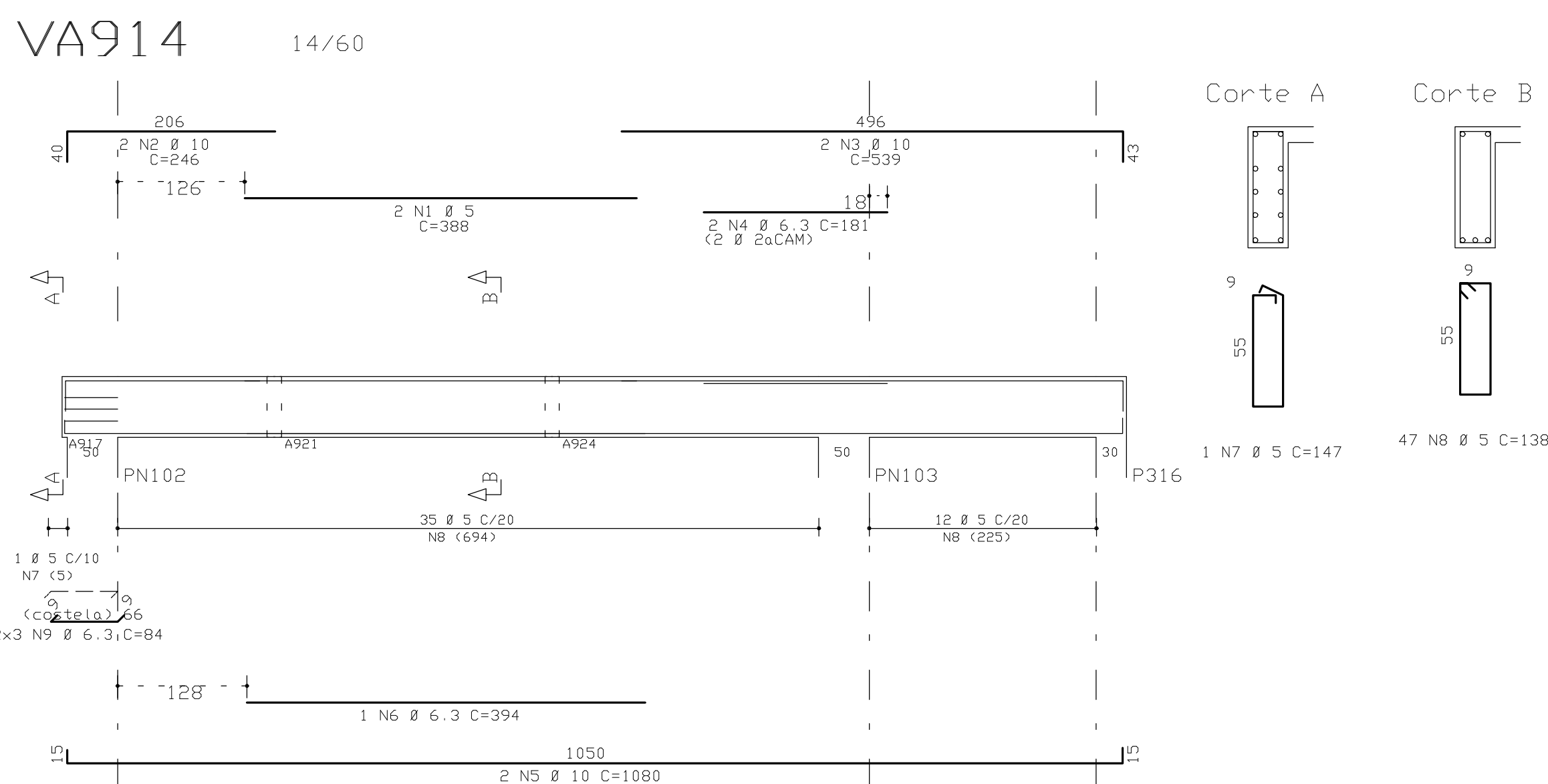
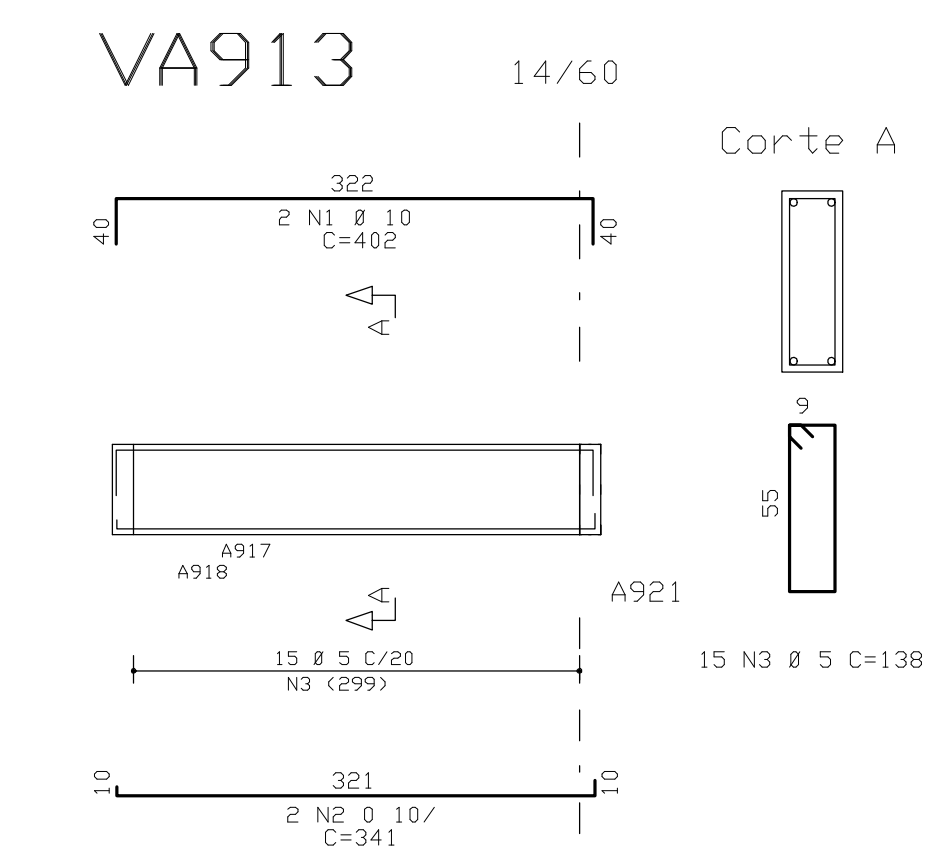
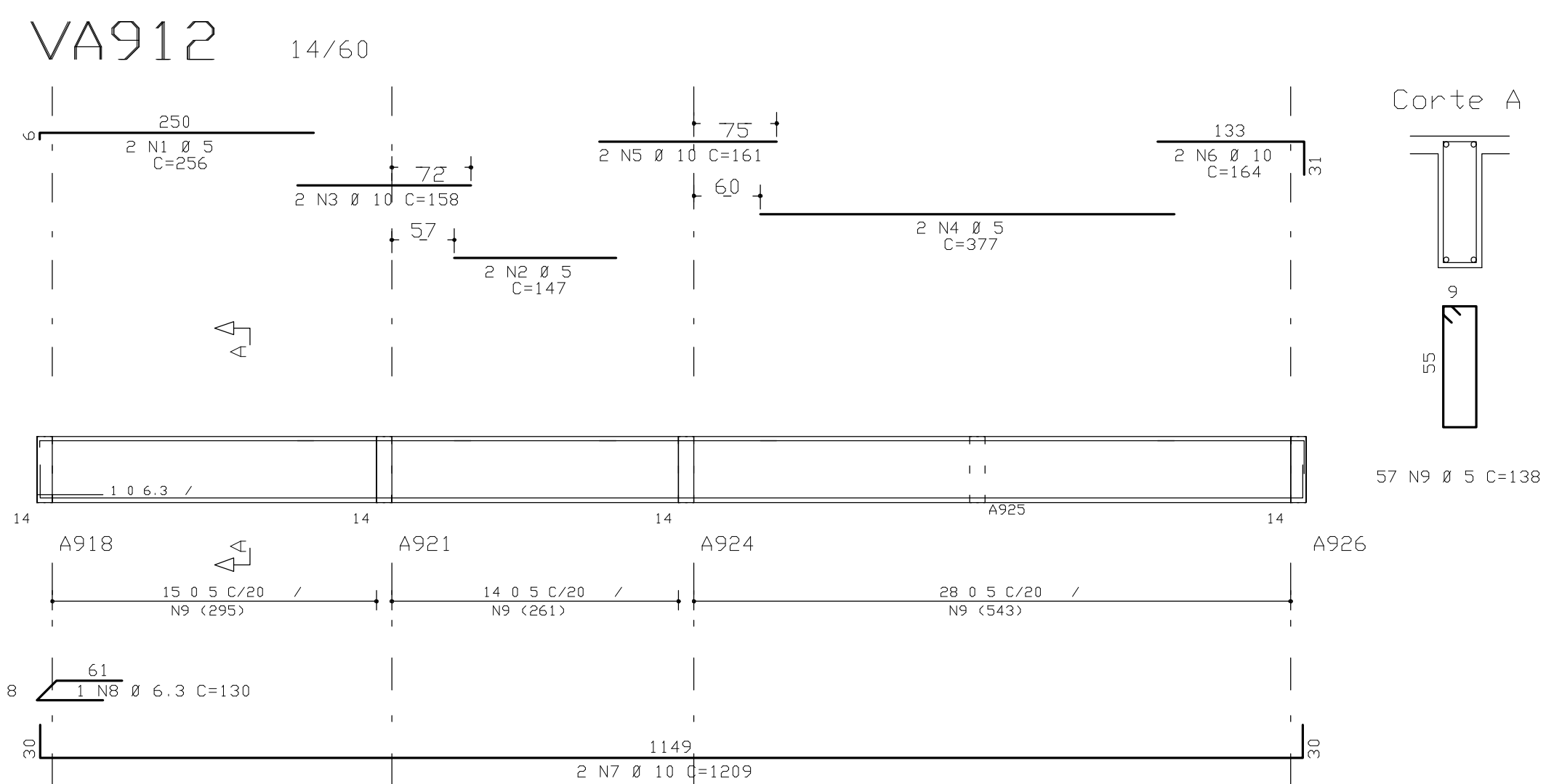
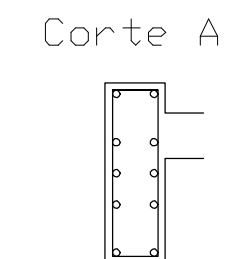
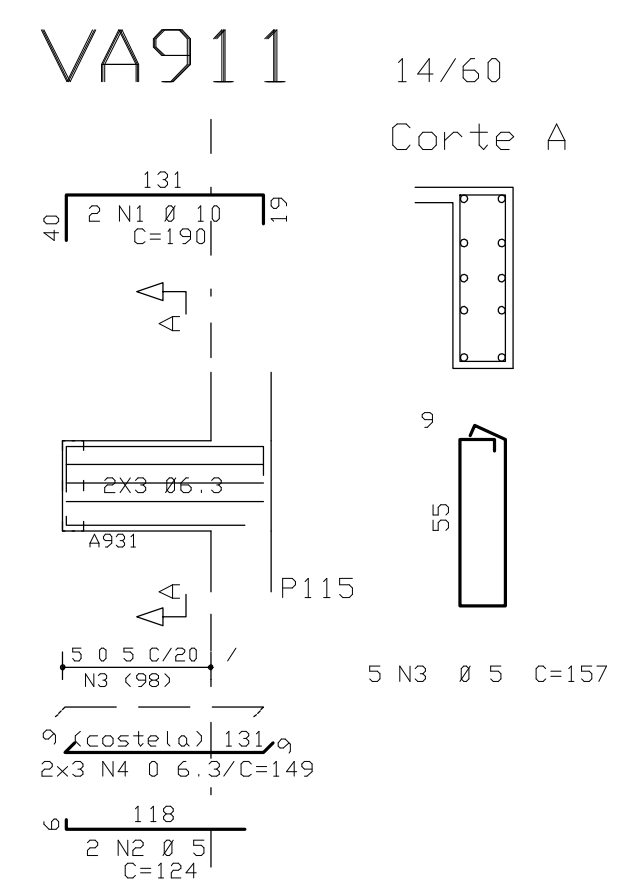
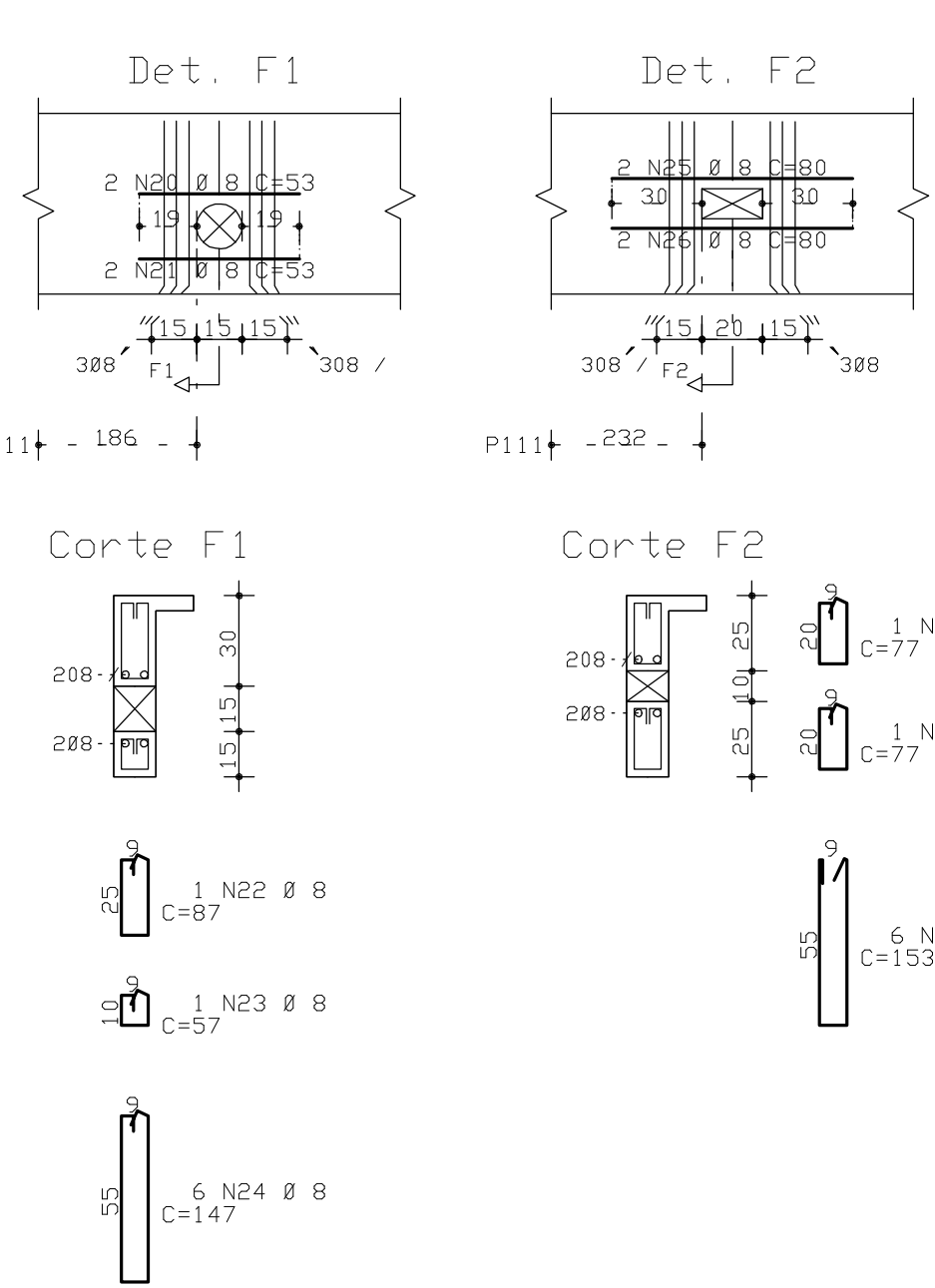
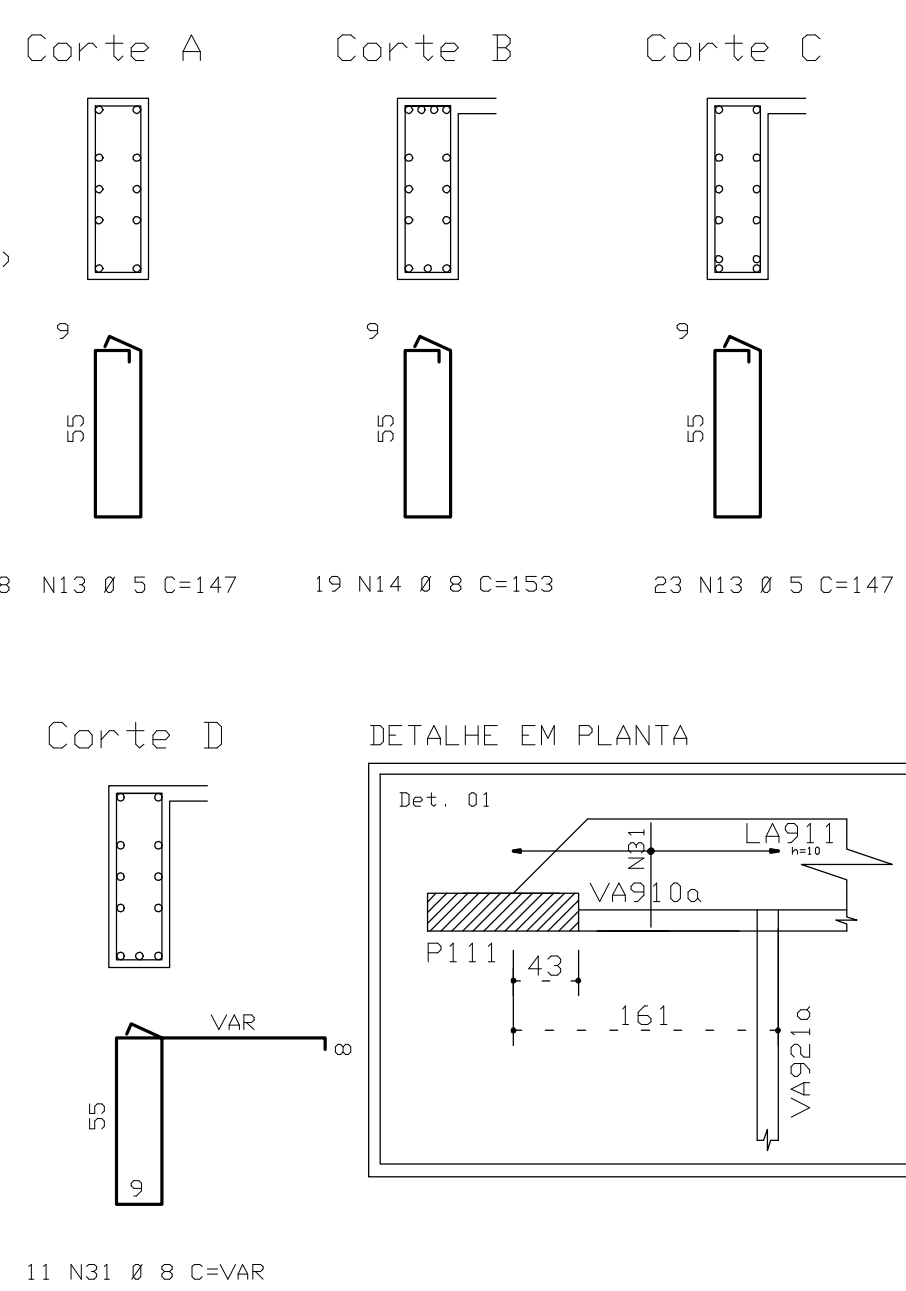
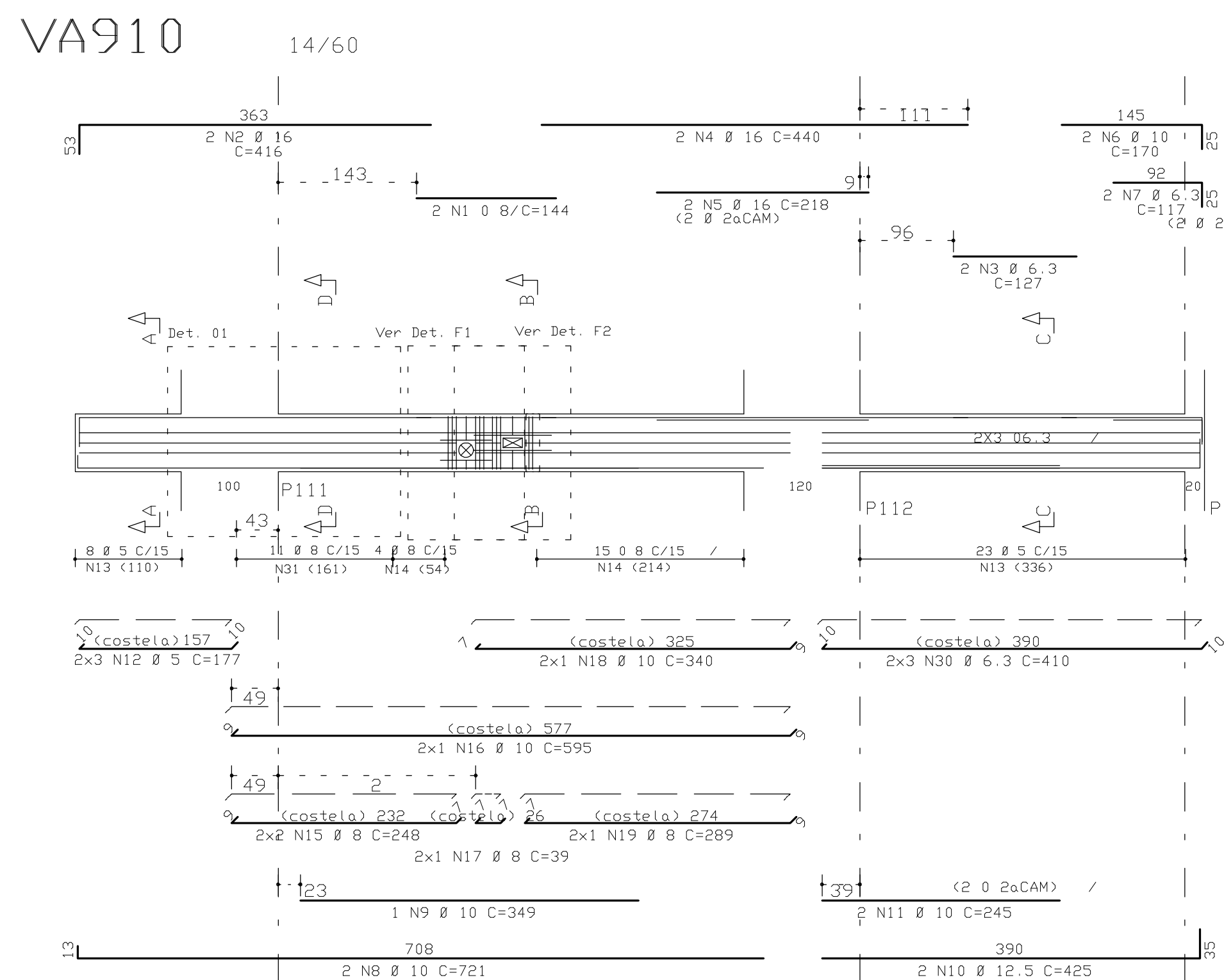
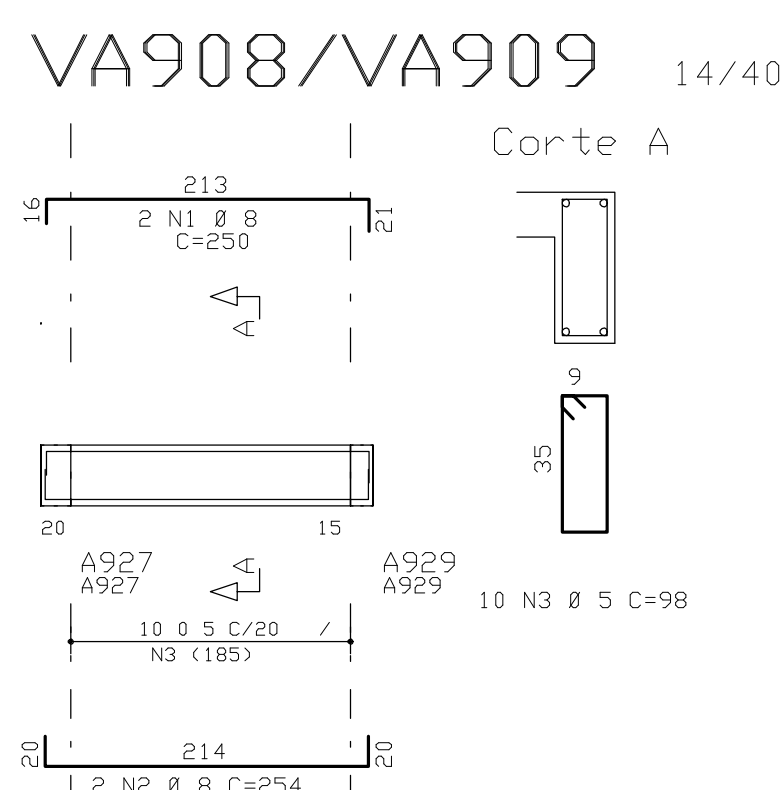
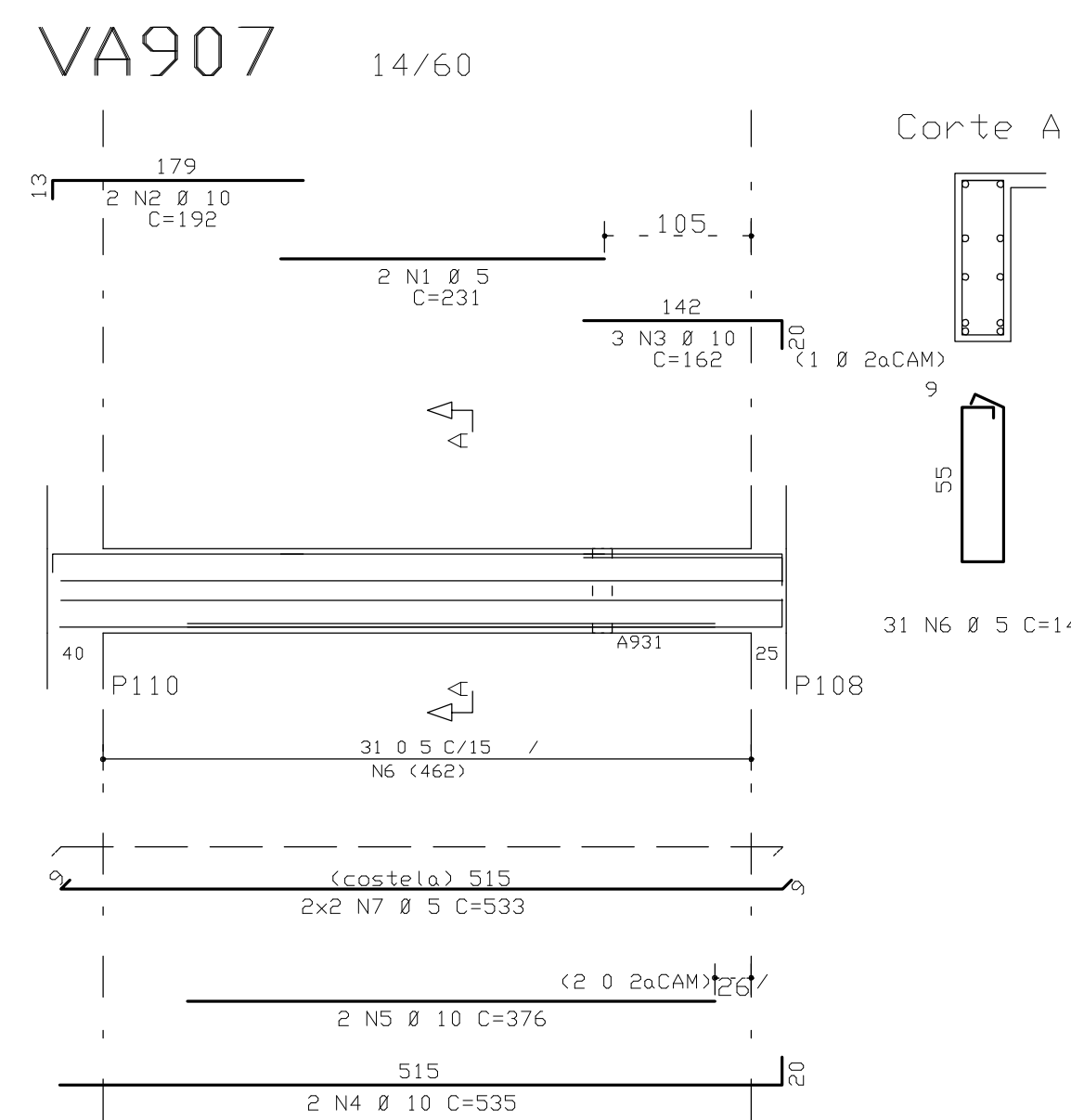
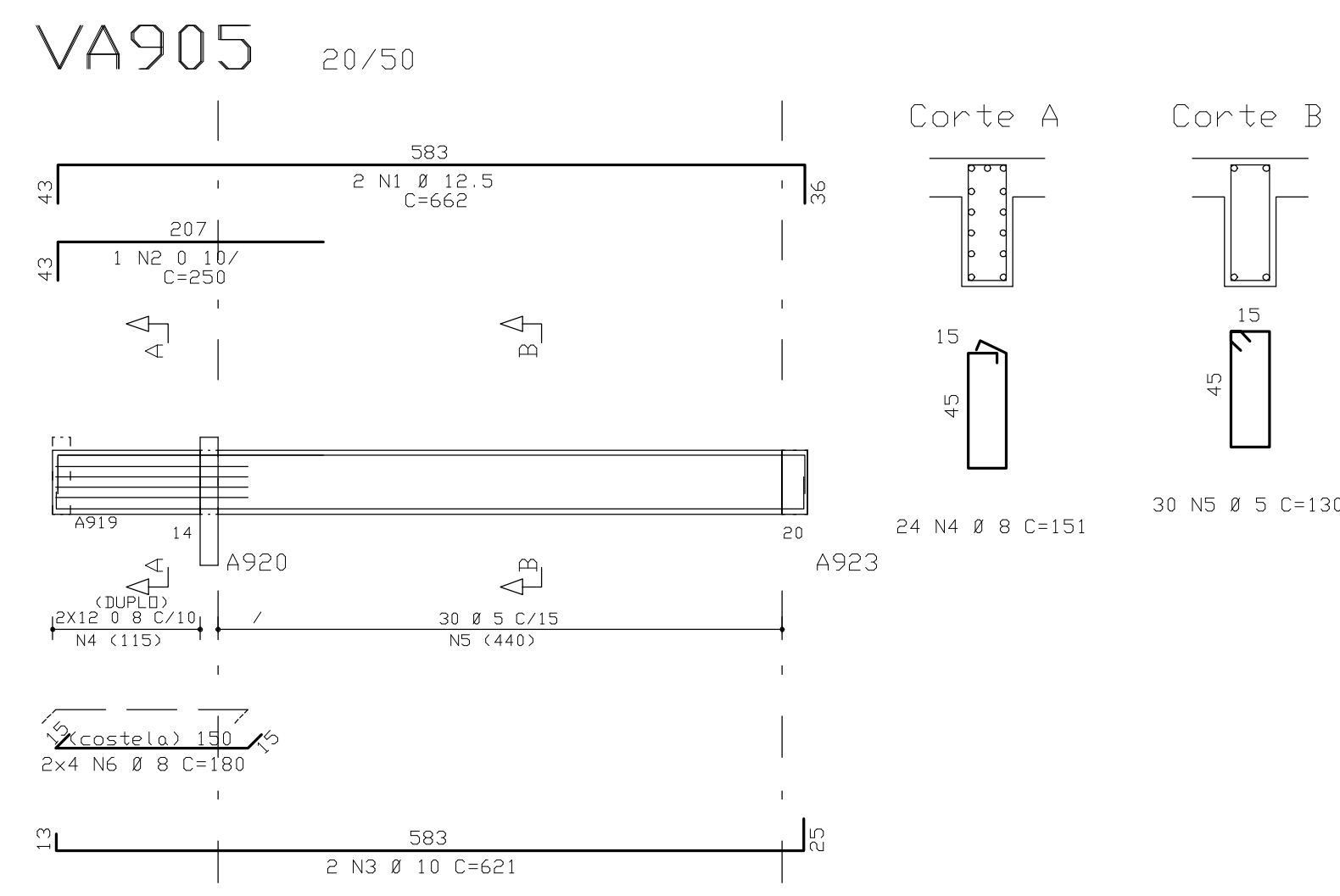
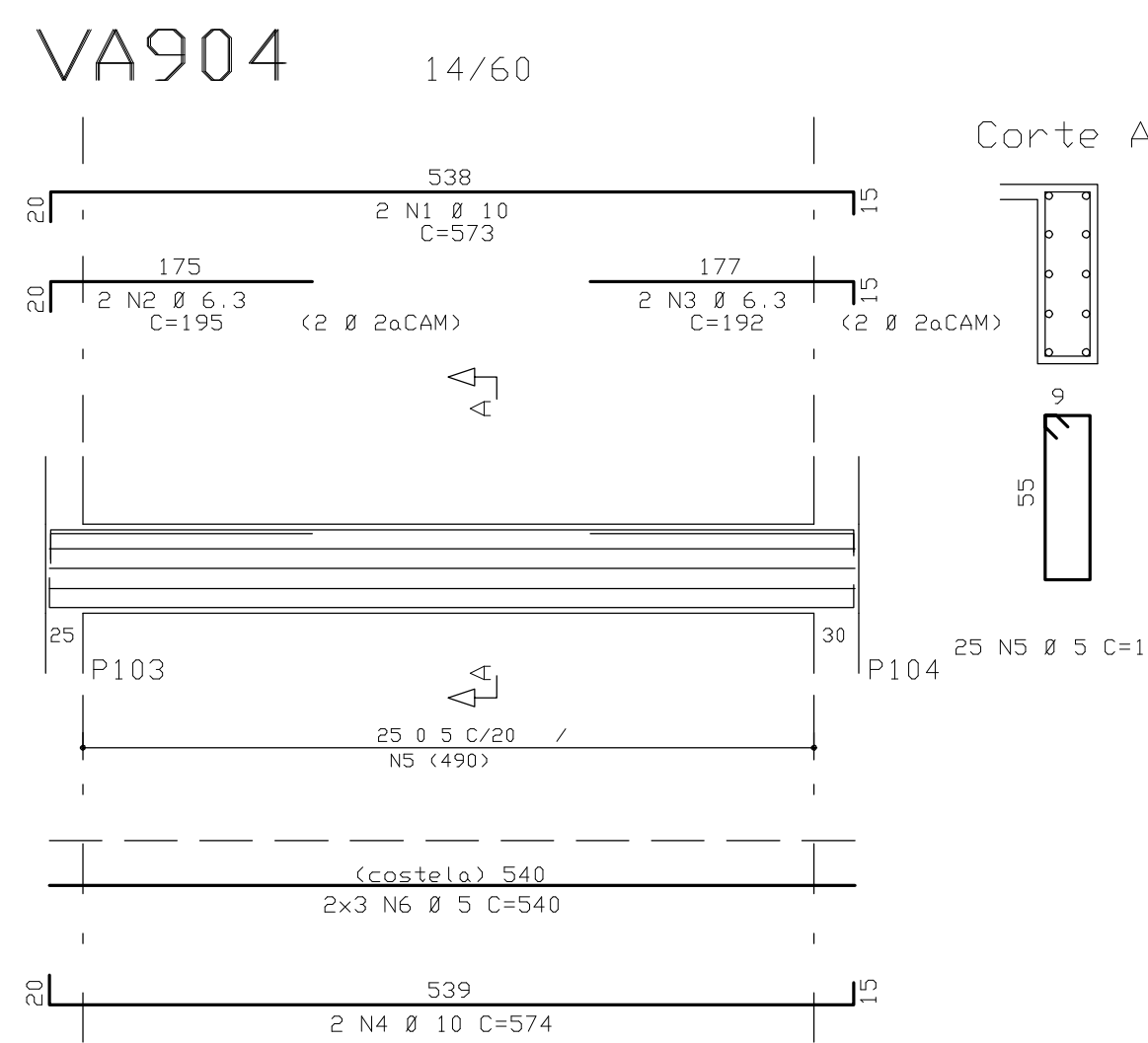
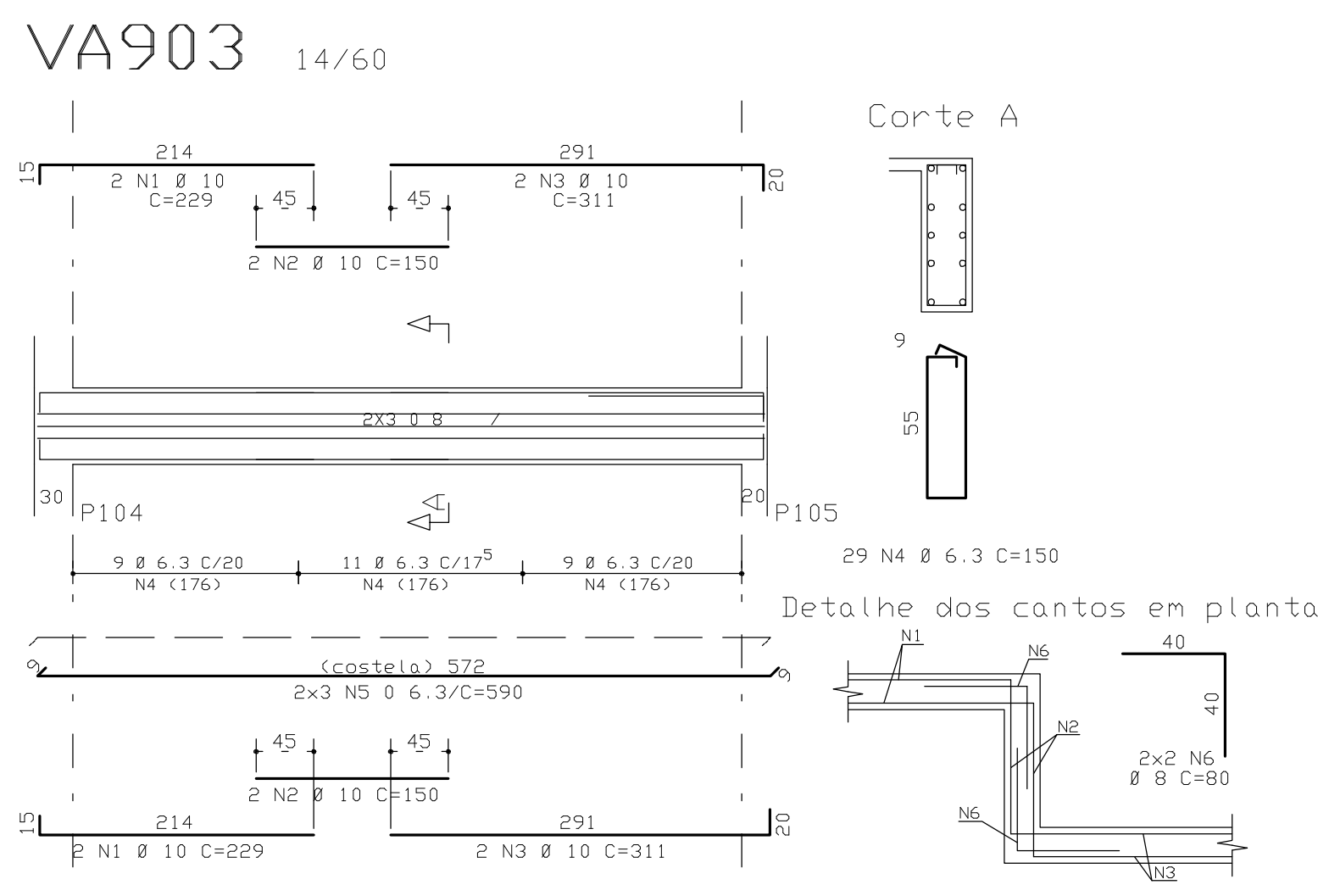
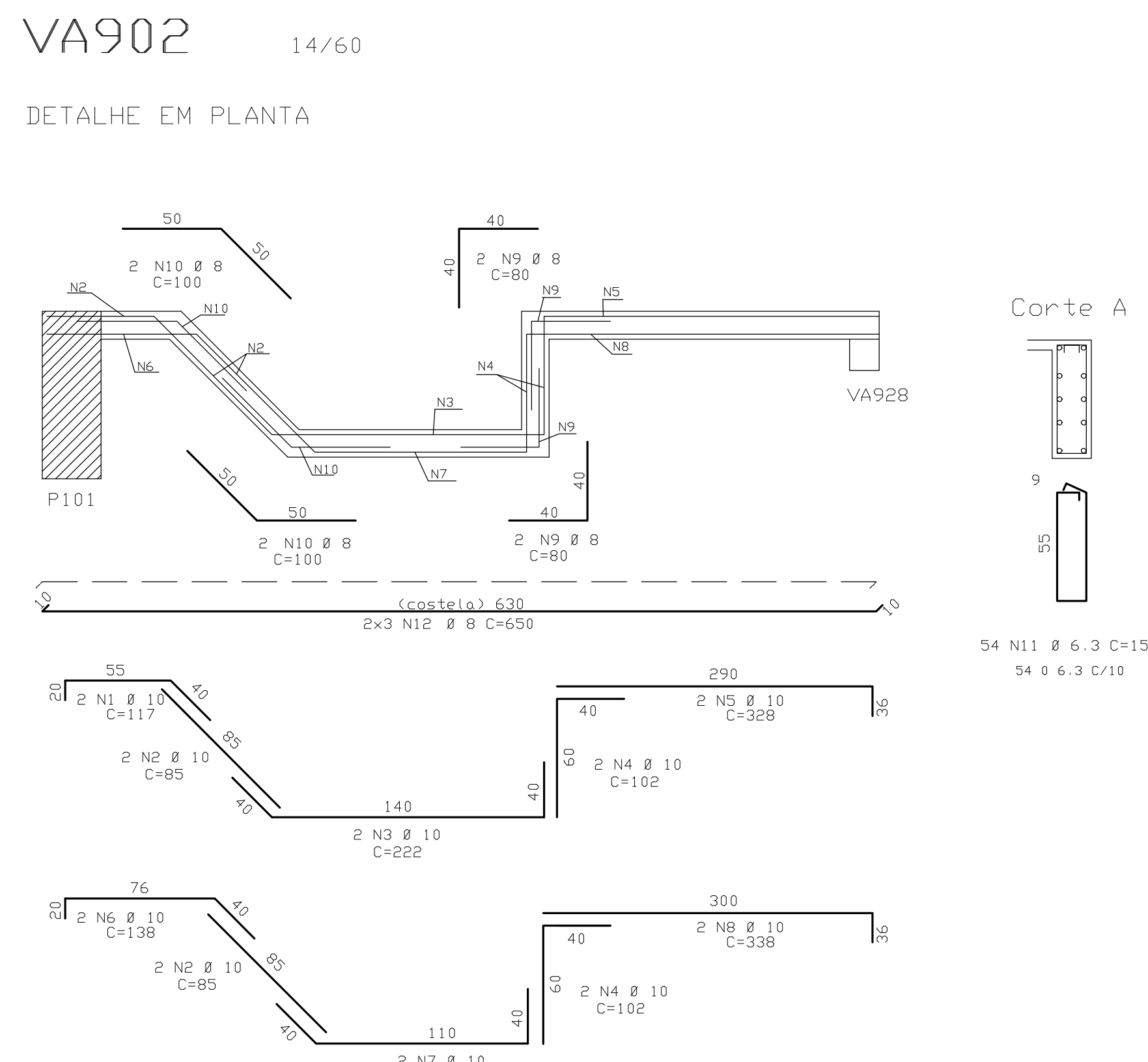
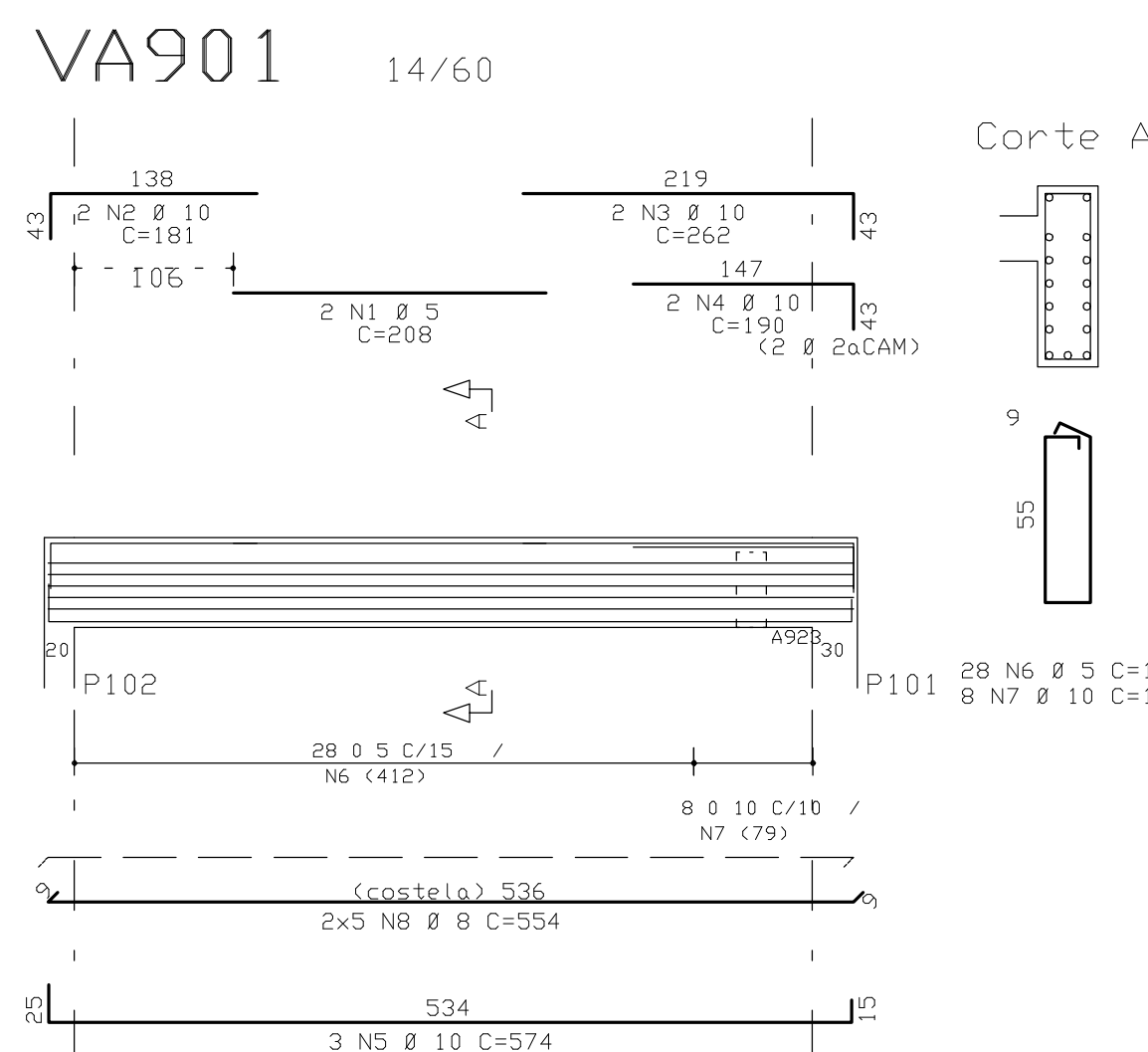




	RED	POS	BIT	DOAN	CONJUGALITY	UNIT	TOTAL
					(%)	(%)	(%)
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	S5A	3	10	2	181	267	448
	S5A	4	10	2	181	267	448
	S5A	5	10	2	181	267	448
	S5A	6	10	2	181	267	448
V450	S5A	1	10	2	181	267	448
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	S5A	5	10	2	181	267	448
	S5A	6	10	2	181	267	448
V450	S5A	1	10	2	181	267	448
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	S5A	3	10	2	181	267	448
	S5A	4	10	2	181	267	448
	S5A	5	10	2	181	267	448
	S5A	6	10	2	181	267	448
V450	S5A	1	10	2	181	267	448
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	S5A	6	10	2	181	267	448
V450	S5A	1	10	2	181	267	448
	S5A	2	10	2	181	267	448
	S5A	3	10	2	181	267	448
	S5A	4					

RESUMEN ACO CA 50-60			
ACO	BIT (mm)	CUMPR (m)	PESO (kg)
608		637	132
50A	6.3	229	37
50A		246	120
50A	10	403	254
50A	12.5	45	45
50A		21	34
50A	20	32	34
Peso total	608 =	1024	kg
Peso total	50A =	582	kg

CORRIMENTO DA ARMADURA:
 - LAJES = 2,0 cm
 - VIGAS E PILARES = 2,5 cm
 - BLOCOS, BALANÇAS E CONCRETES (FACE EM CONTATO COM A TERRA) = 3,0 cm
 1. ESSES CORRIMENTOS DEVERÃO SER GARANTIDOS COM O UZO DE ESPACADORES OU PATILHAS.
 CORRIMENTOS ESPECÍFICOS EM CONTRÁRIO AOS VALORES INDICADOS ACIMA, ESTÃO INDICADOS NOS DESENHOS
 FORMAS DOS PAGAMENTOS.

NORMAS UTILIZADAS:
 NBR-6118/2003 - PROJETO E EXECUÇÃO DE OBRAS DE CONCRETO ARMADO
 NBR-6190/1980 - CÁLCULO E EXECUÇÃO DE ESTRUTURAS DE FUNDAMENTAÇÃO

NORMAS UTILIZADAS:

NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
 NBR-6120/1980 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

INDICE:
VA901 A VA916

FCK = 35 MPa
EC = 28 GPa
A/C = 0,65

(MÓDULO DE ELASTICIDADE SECANTE
AOS 28 DIAS).

(FATOR AGUA CIMENTO)

06	25/01/2010	EMISSÃO INICIAL	DESCRIÇÃO	
REV	DATA			
 Simetria Engenharia 15A QUARA, Nº 10, 2º ANDAR - JI 333 JACARAÍ - SP - CEP. 13.205-045 FONE: (1603) 376-9033 e-mail: cba@simetria.eng.br				
PROJETO ESTRUTURAL				
CLIENTE: DISCO INCONSTRUTORA E IMOBILIARIA LTDA OBRA: EDIFÍCIO RESIDENCIAL, COLOMÍDIO ENDEREÇO OBRA: OBRA ESPECIAL DA LOTE 58 - GUARA/SP			Nº OBRA: 001	
DESCRIÇÃO:			RESENDA Nº: 222-XX-XX	
ARMADA DE VIGAS - TORRE A - JUNTA A				
ARMADA DAS VIGAS DO 19° PAVIMENTO			01/02	
DESENHISTA	DATA	ESCALA	UNIDADE	CM
TOP/UTP	05/01/2010	1:50		
ASSINHA: P.L. 1 ASSINHA: P.L. 2			Nº PROJ. SIMETRIA 001	
PREPARADO:			RESPONSÁVEL TÉCNICO	
_____ RESPONSÁVEL TÉCNICO PROJETO ESTRUTURAL				
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA OBRA-0705-SP				

