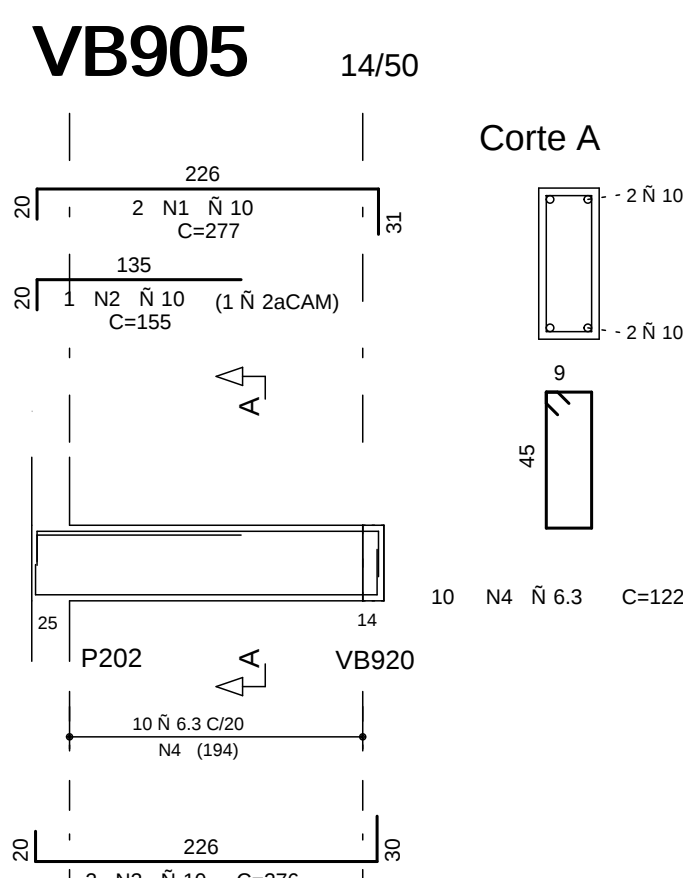
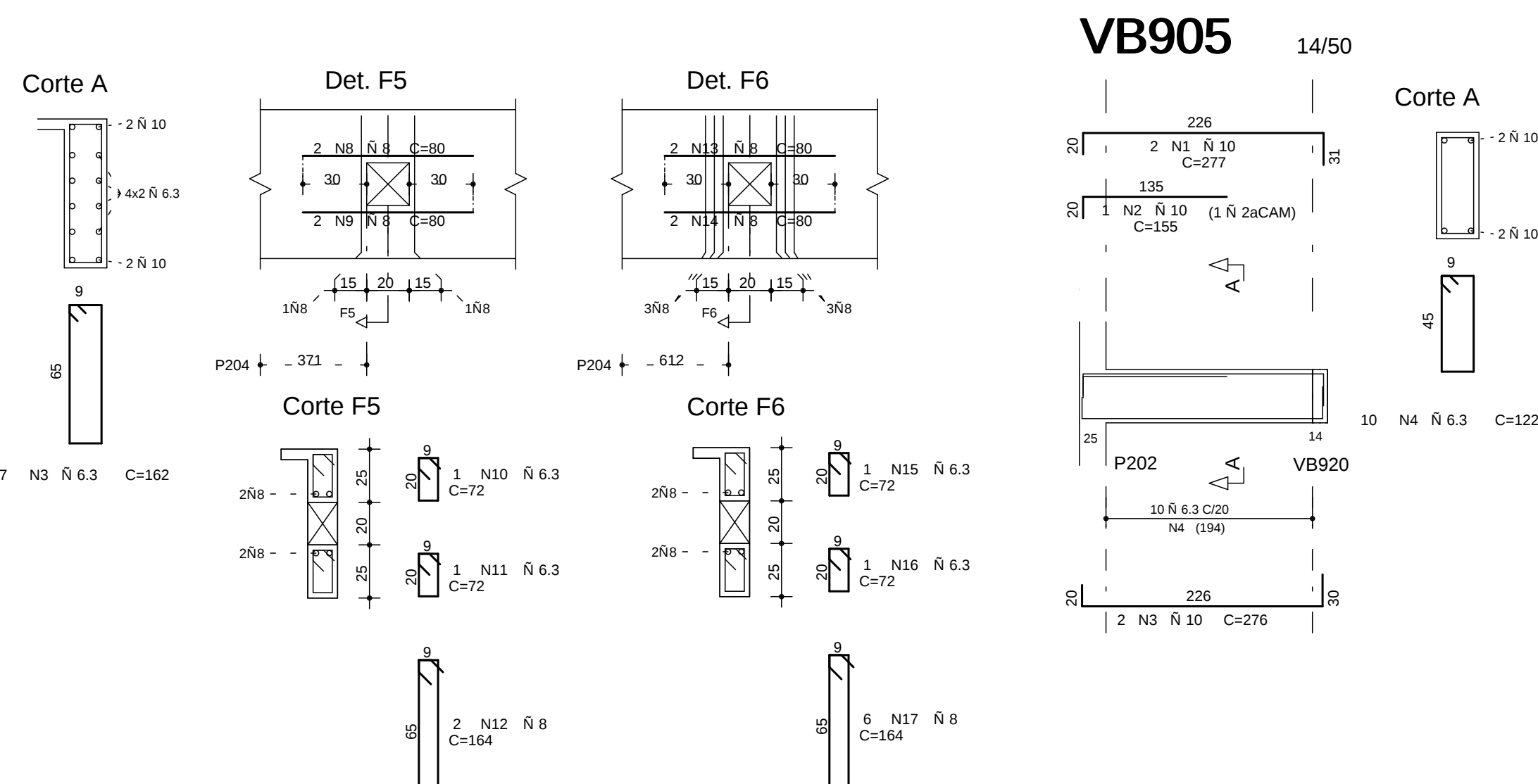
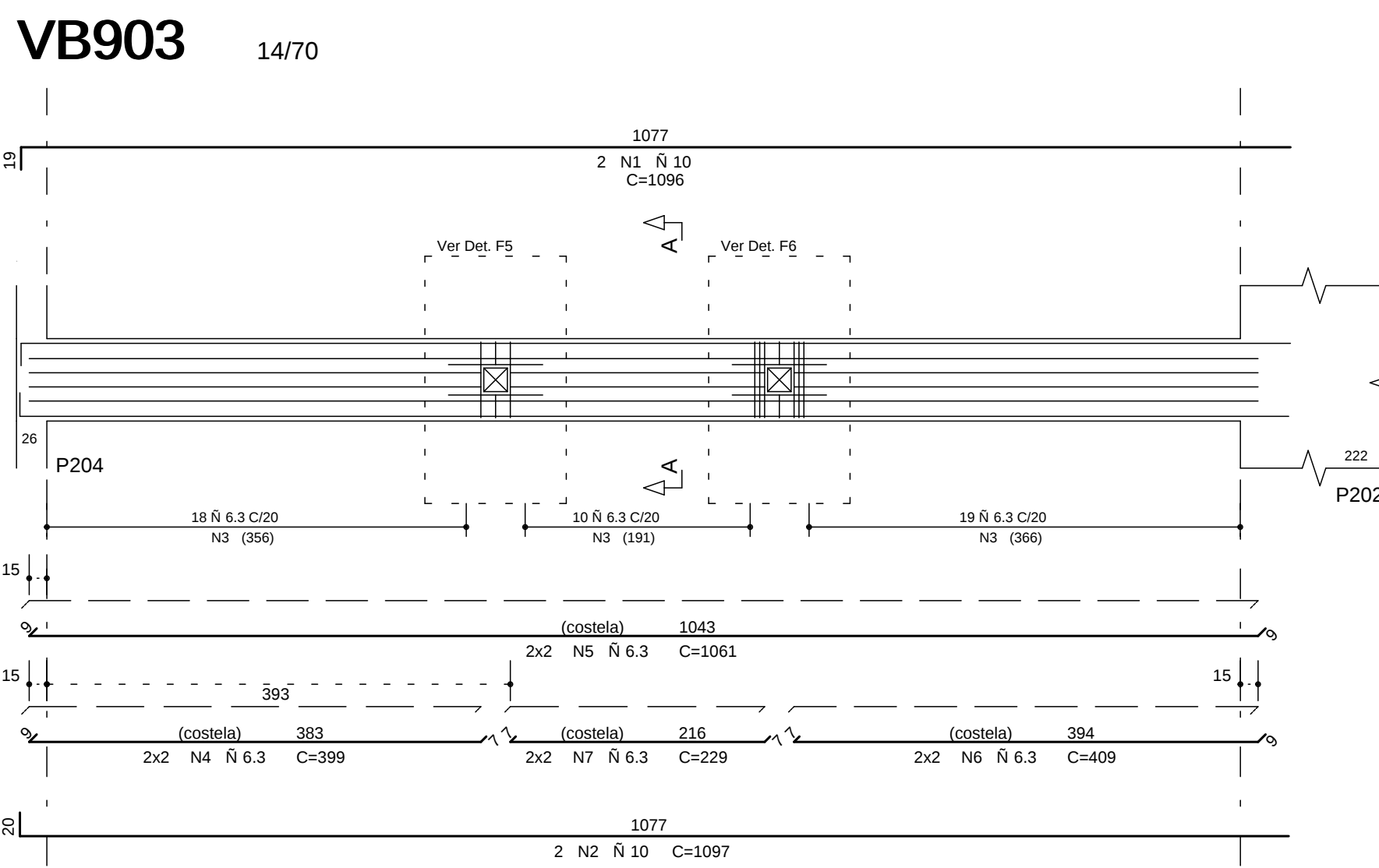
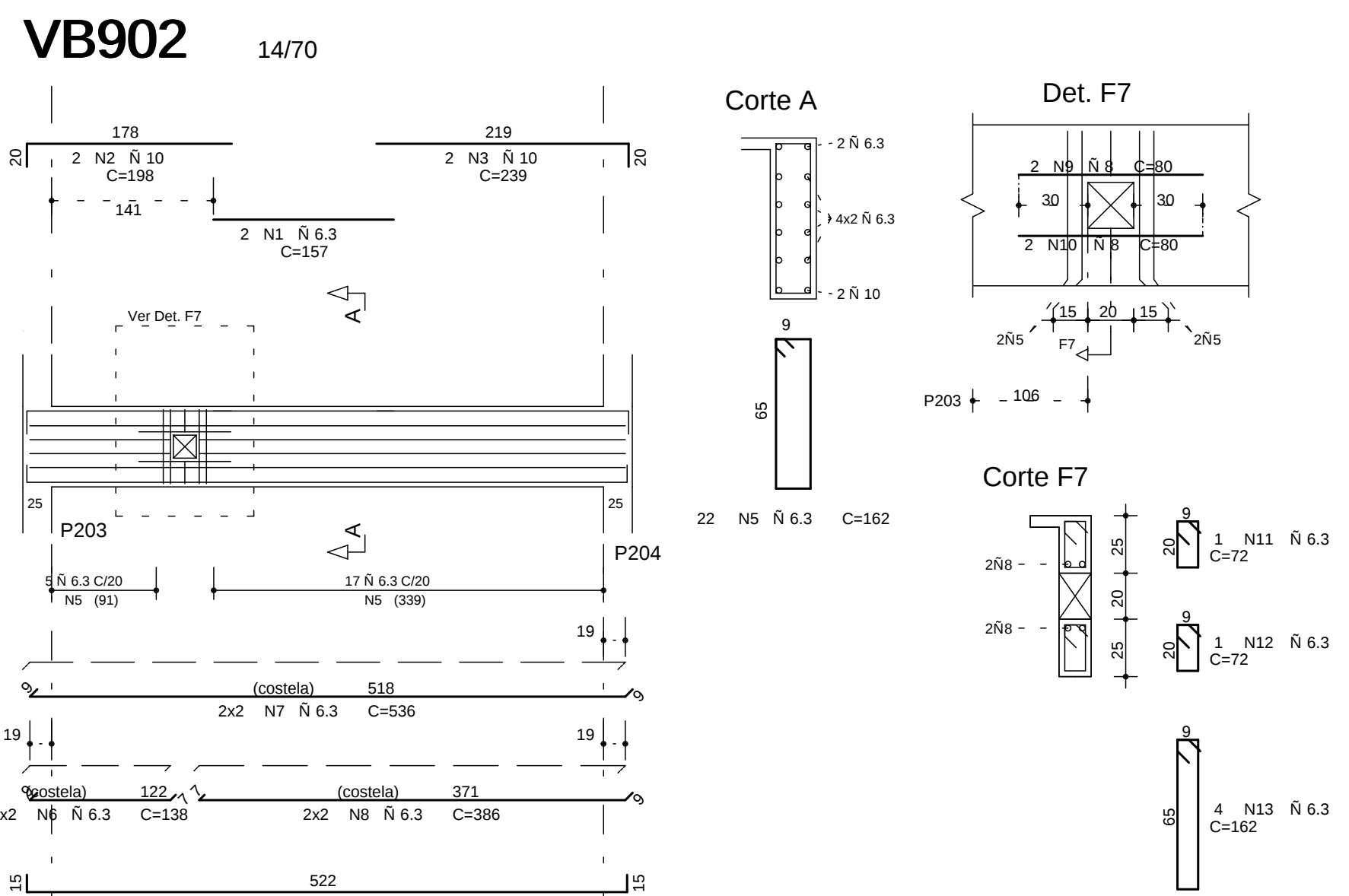
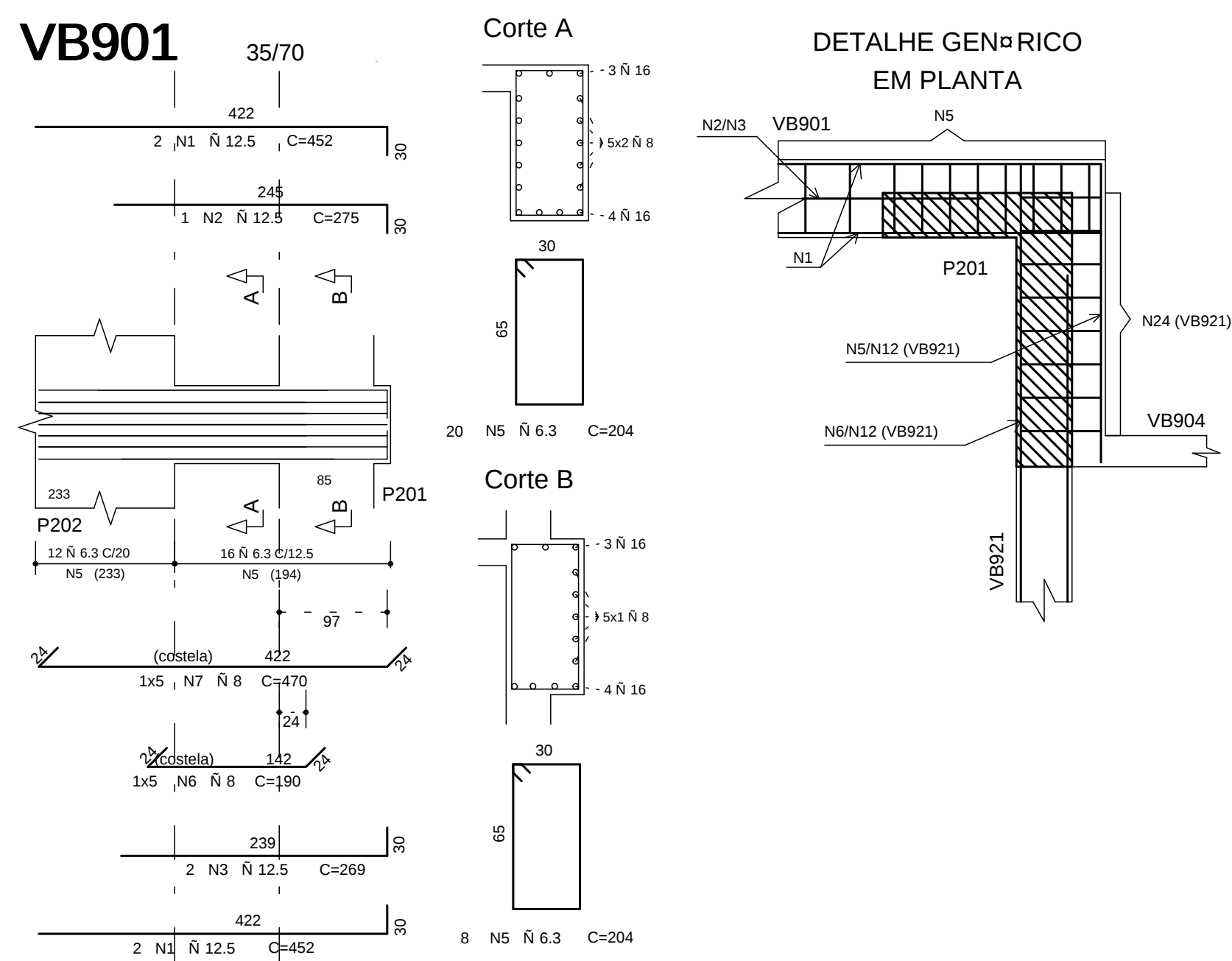
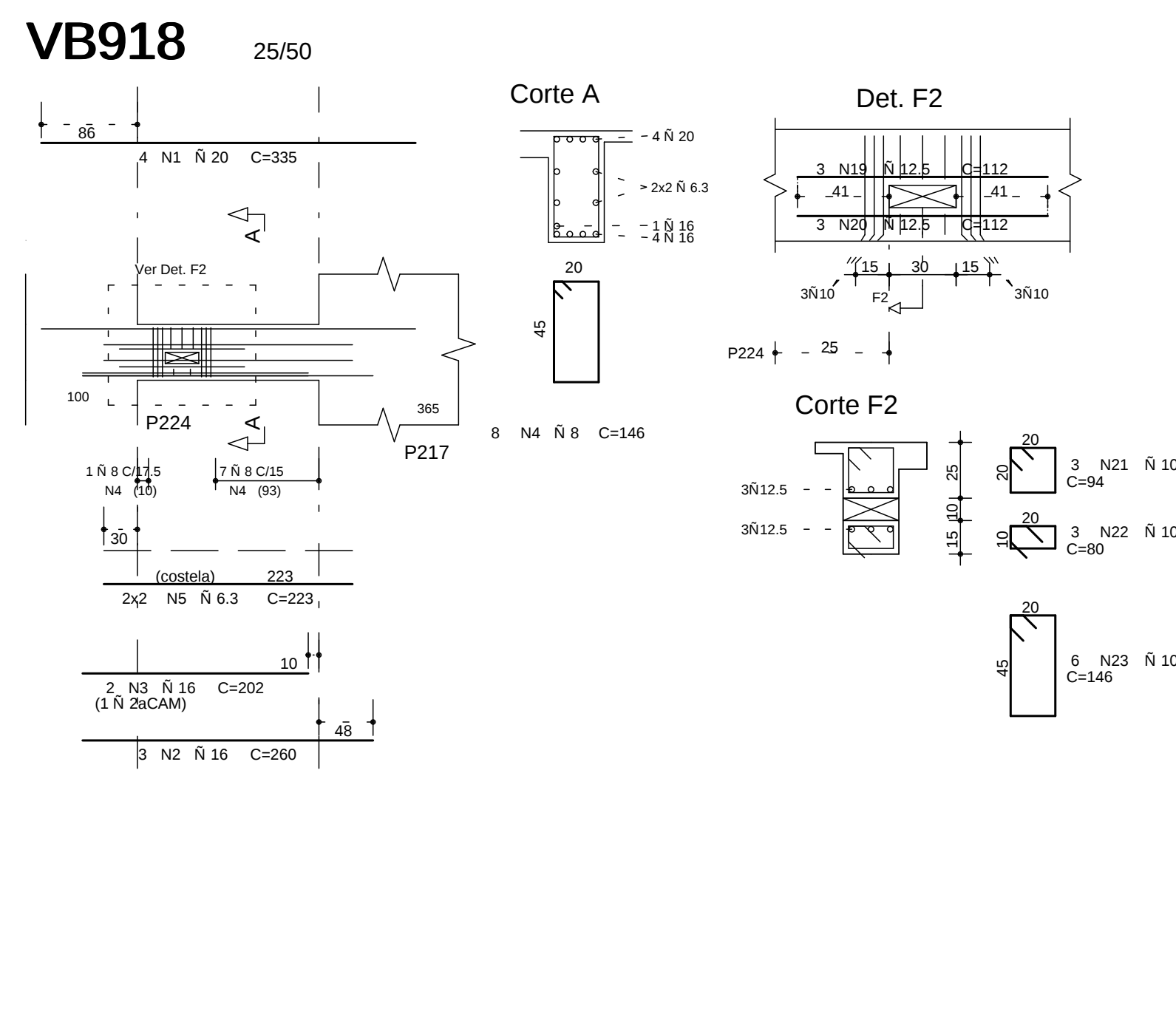
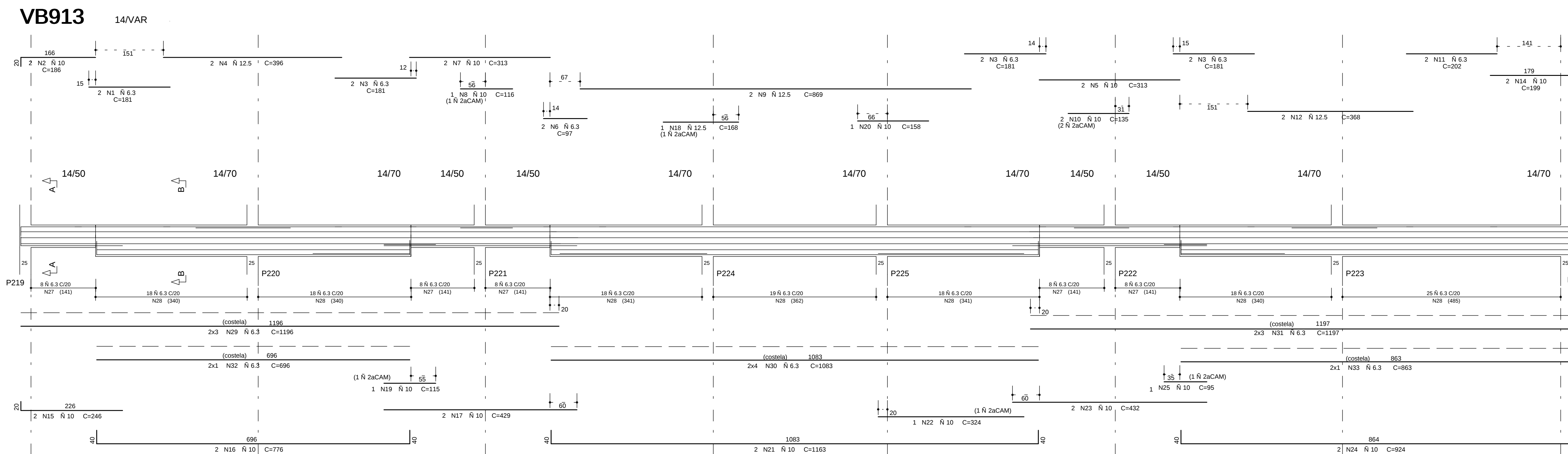
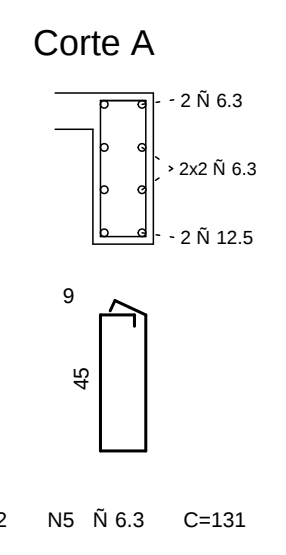
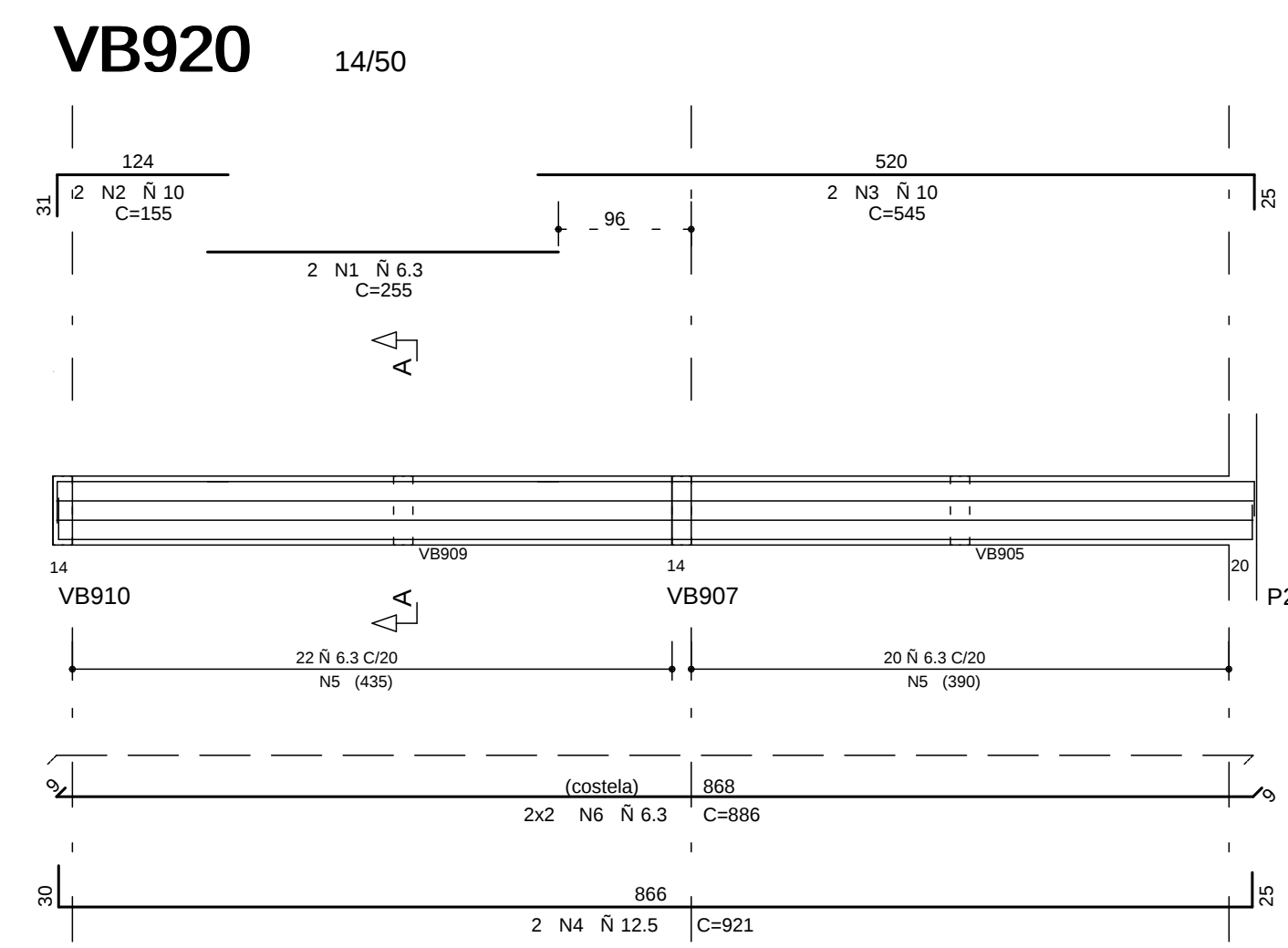
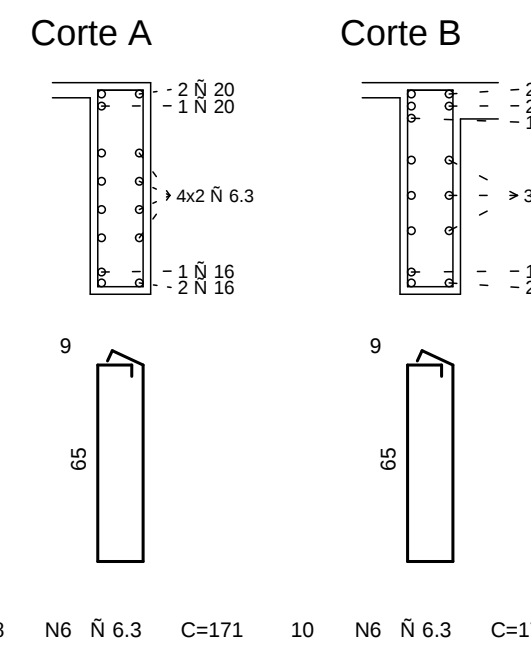
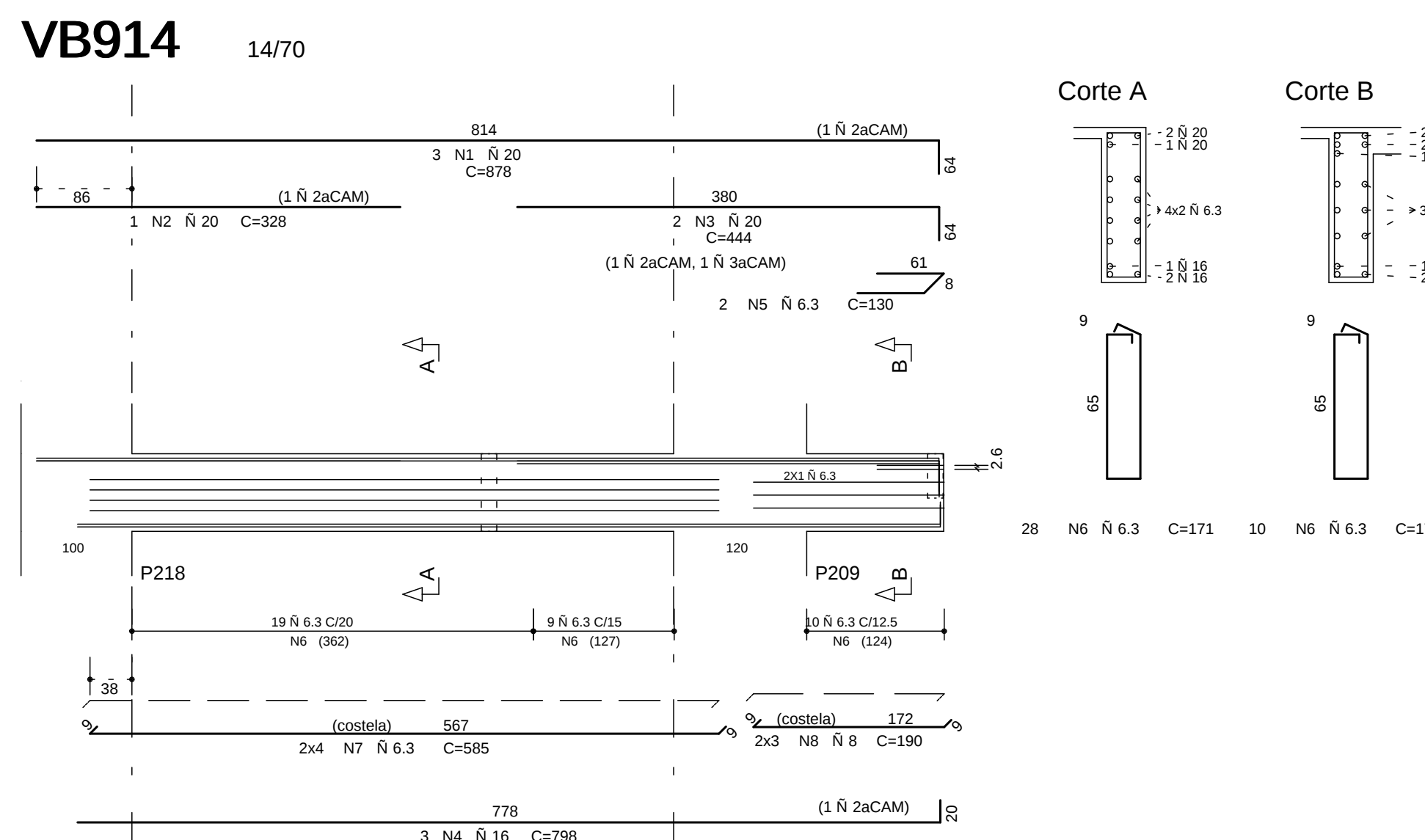
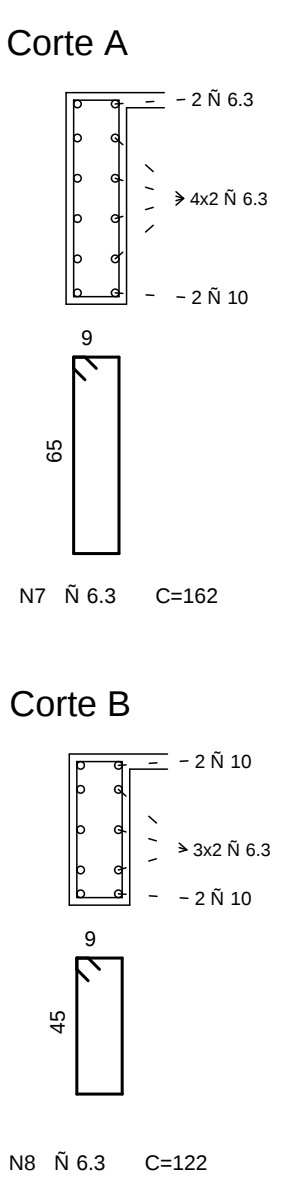
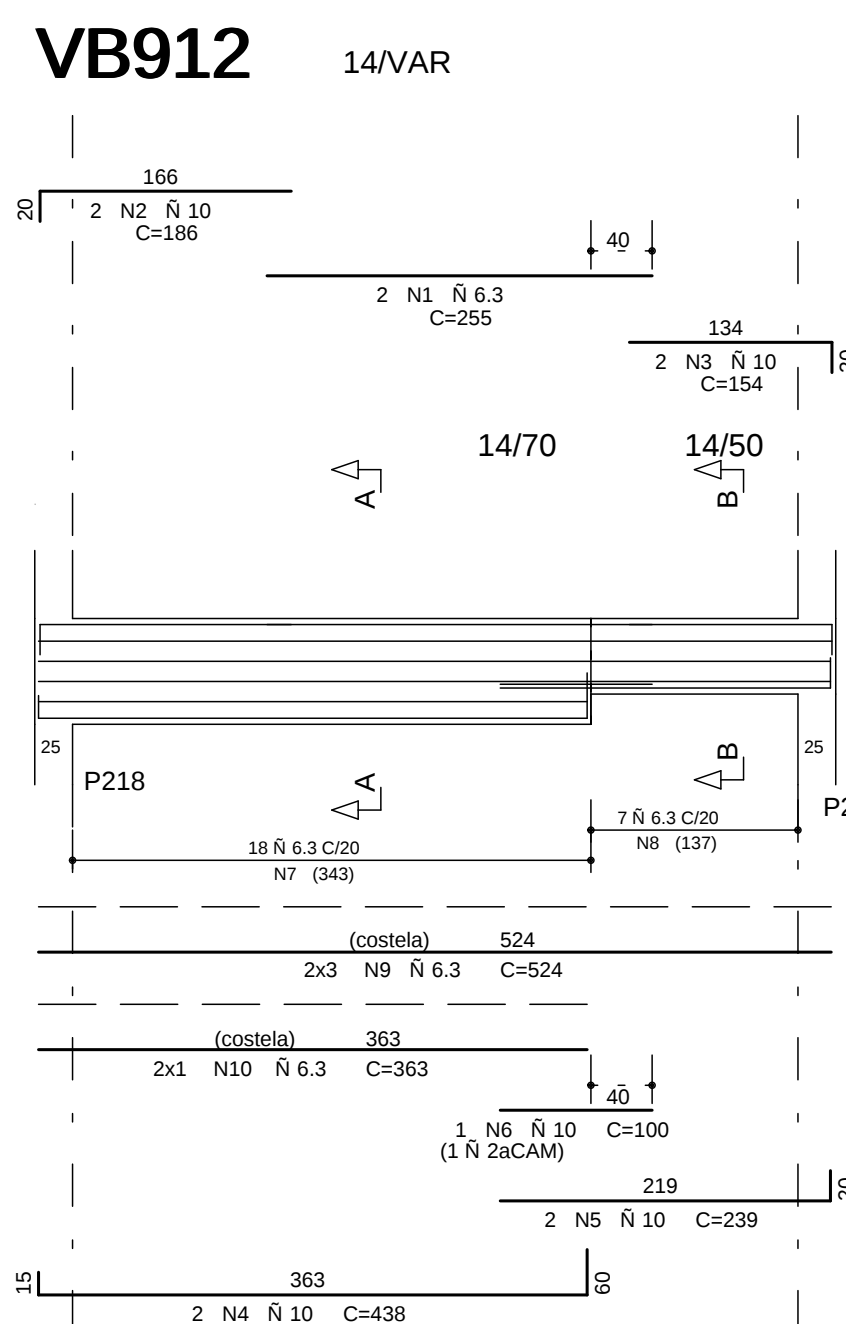
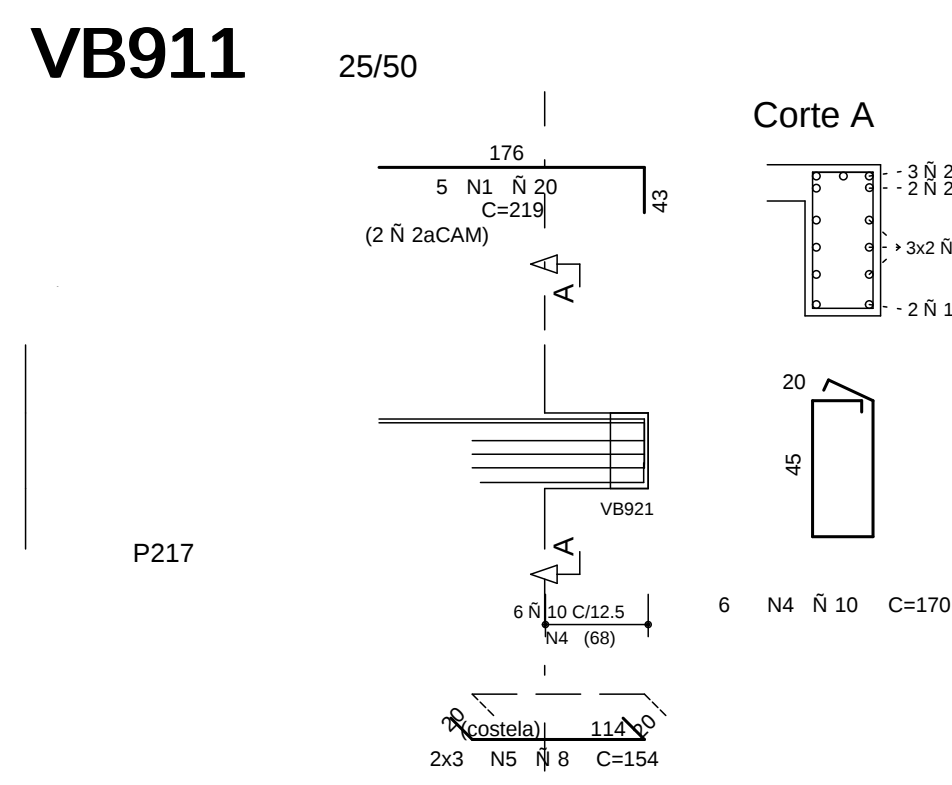
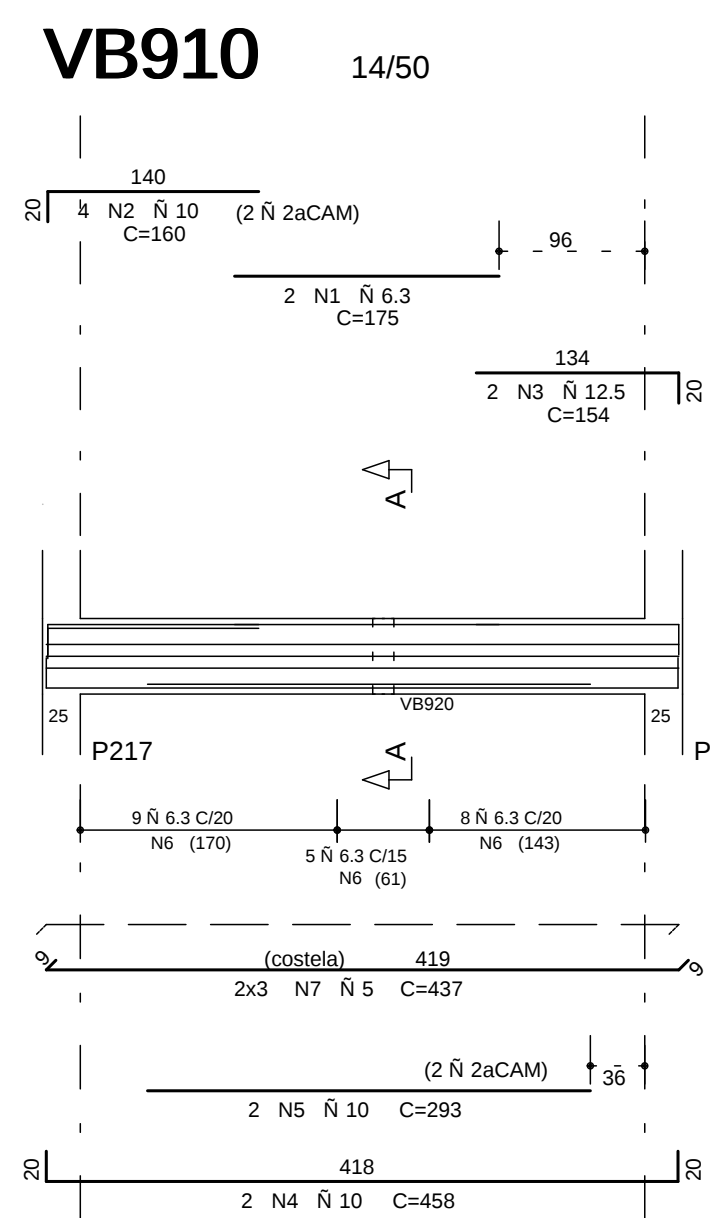
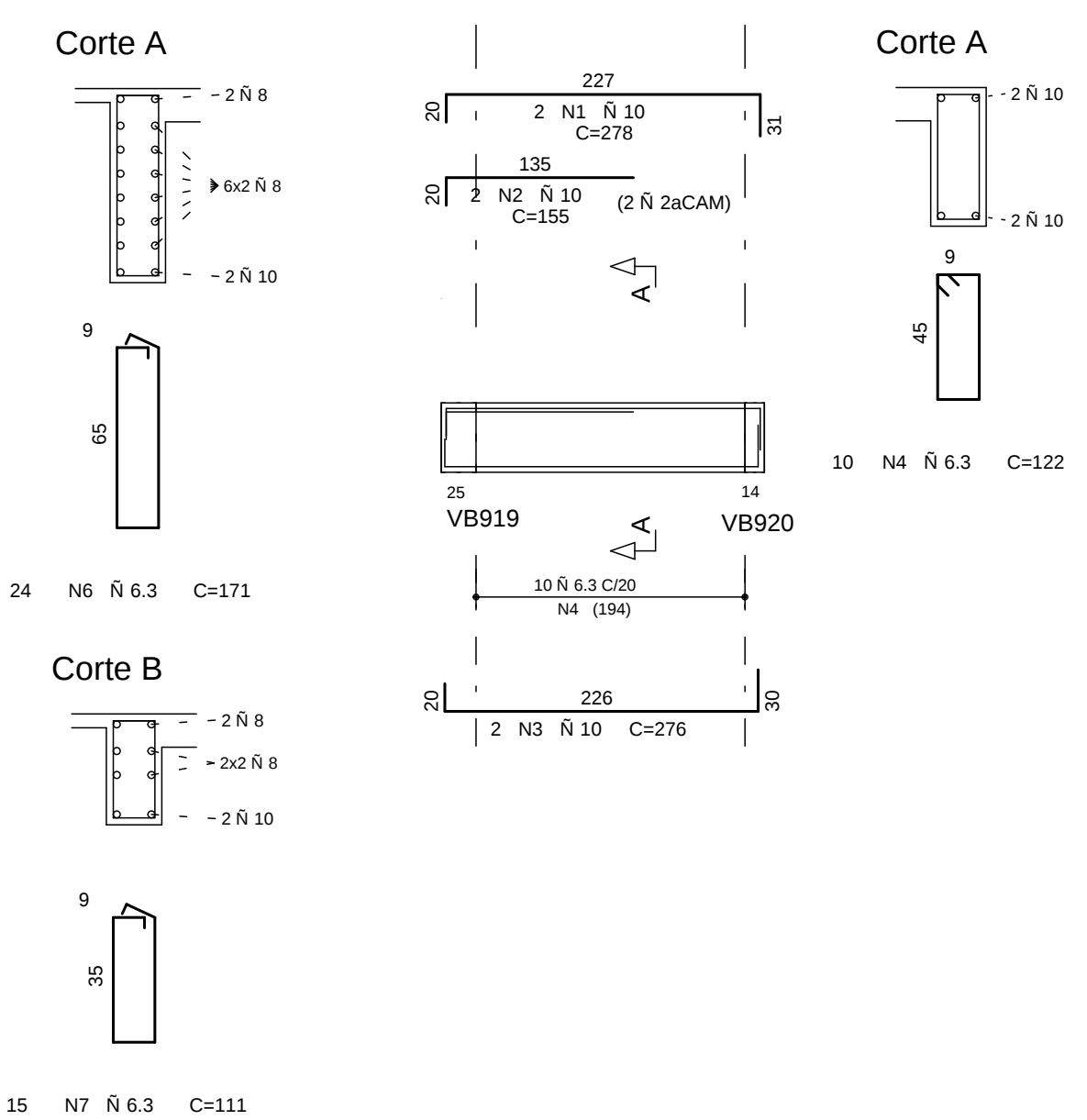
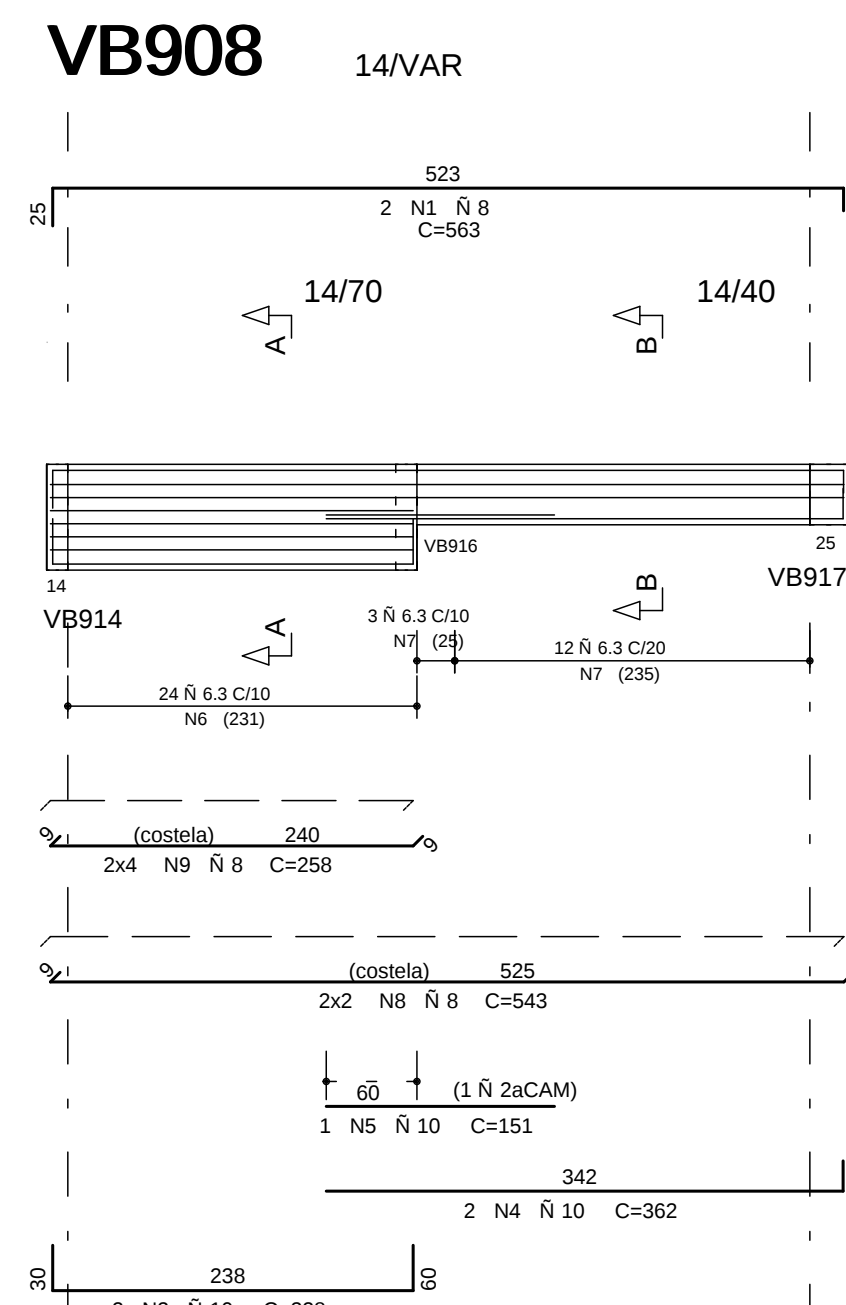
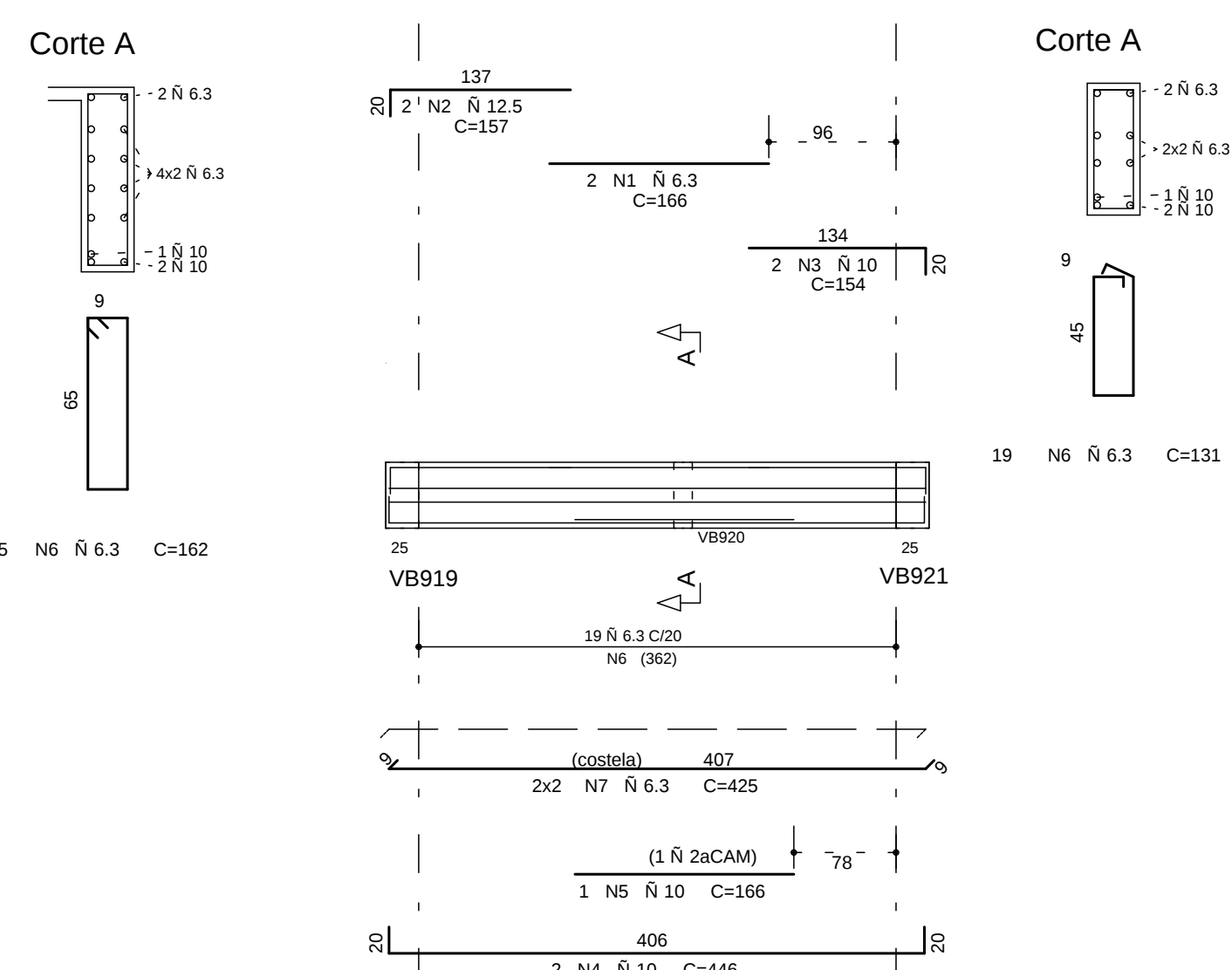
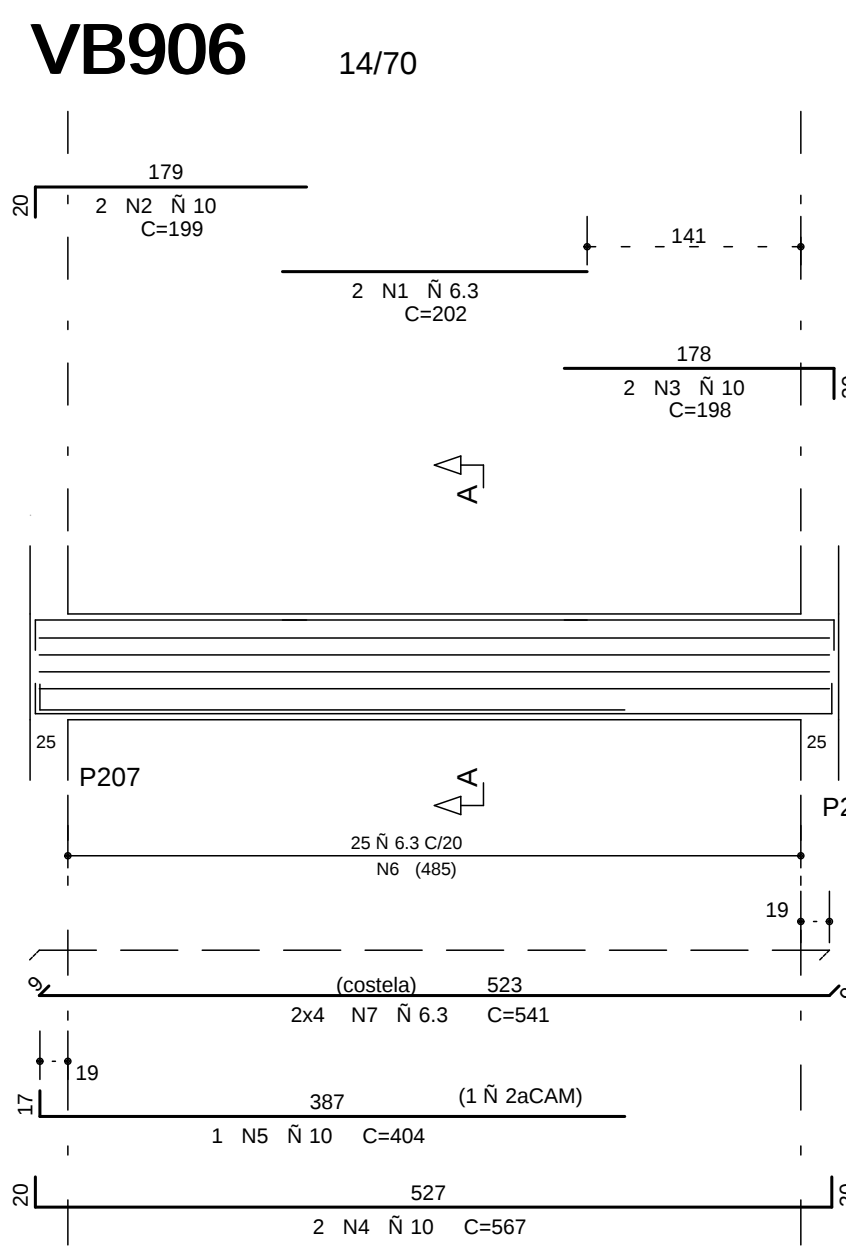
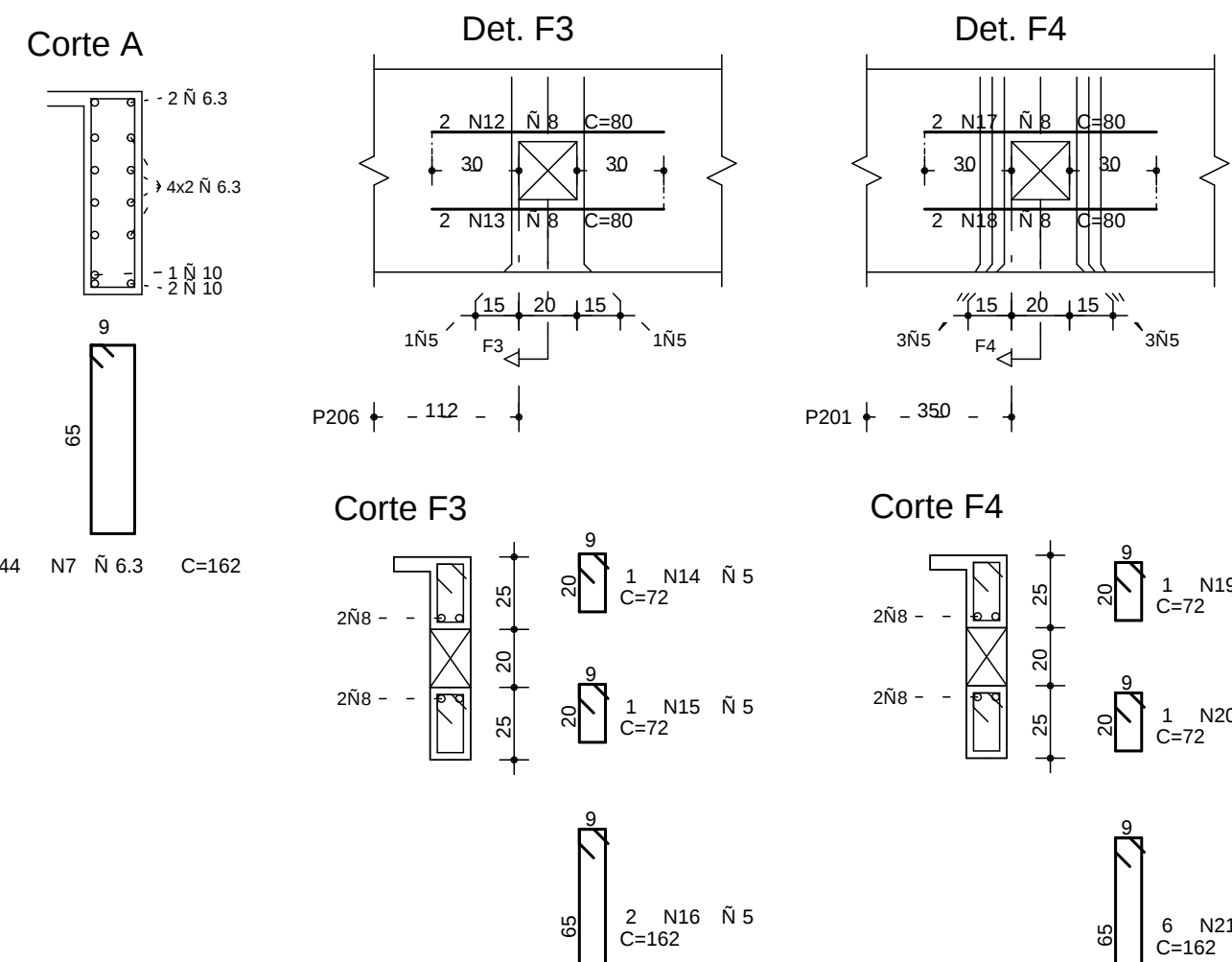
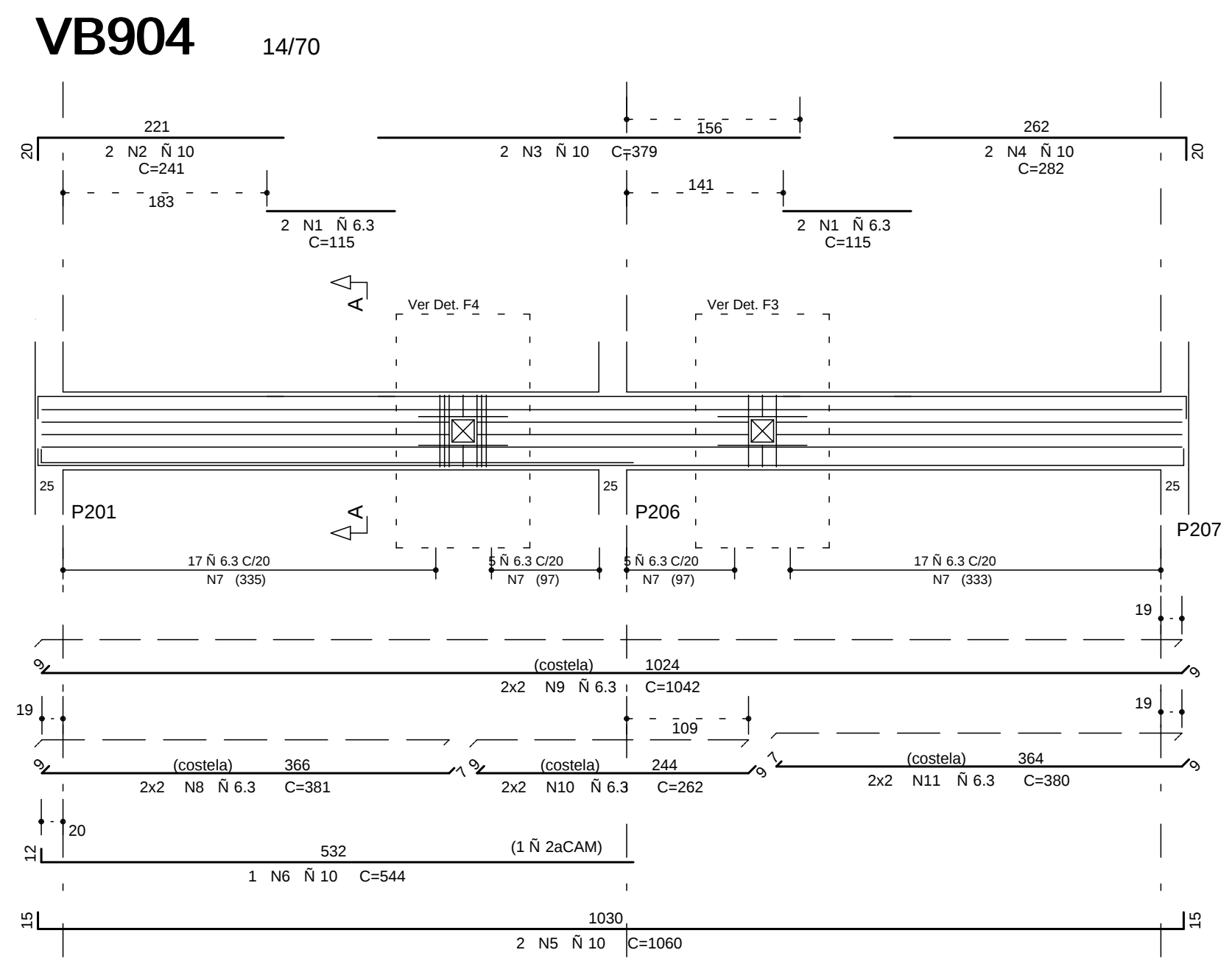




	AEO	POS	BIT	QUANT	COMPONENT
V001	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V002	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V003	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V004	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V005	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V006	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V007	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V008	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V009	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V010	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V011	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V012	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V013	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V014	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V015	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V016	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V017	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V018	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V019	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1
V020	POS	1	1	1	1
	NEG	2	1	1	1
	POS	2	1	1	1

RESUMO AEO CA 50-60				
AEO	BIT (mm)	COMPR (mm)	PESO (kg)	
SGA	5	233	34	
SGA	6,3	7818	1864	
SGA	8	240	255	
SGA	10	1808	1200	
SGA	12,5	400	400	
SGA	16	378	288	
SGA	20	314	255	
Peso Total SGA		34 kg		
Peso Total SGA		4982 kg		



COBRIMENTO DA ARMADURA:

- LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
 - BLOCOS, BALDRAMES E CONTENCOES (FACE EM CONTATO COM A TERRA) = 3,0 cm
1. ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.
- COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESenhOS FORMAS DOS PAVIMENTOS.

NORMAS UTILIZADAS:
NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
NBR-6120/1990 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

INDICE

VB901 A VB914, VB918 E VB920

FCK= 35 MPa

EC = 28 GPa (MÓDULO DE ELASTICIDADE SECANTE
AOS 28 DIAS).
A/C = 0,65 (FATOR ÁGUA CIMENTO)

1	21/03/2014	NUMERACAO FINAL	
2	29/06/2012	EMISSAO INICIAL	
REV	DATA	DESCRICAO	
 Simetria Engenharia 86 QUADRA - ALTO DA PAZ, 261-5 BRASILEIA - CEP: 13020-900 FONE: (031) 4006-7800 E-MAIL: atendimento@simetria.eng.br			
PROJETO ESTRUTURAL			
CLIENTE: GENT INCORPORADORA LTDA OBRA: ED. RESIDENCIAL/COMERCIAL PANIERAS ENDEREÇO OBRA: RUA 30 NORTE LOTE 03 - RUA DAS PANIERAS - AGUAS CLARAS DF DESCRICAO: ARMACAOS DAS VIGAS PISO DO TORO - 90 a 13m PAVIMENTO - TORRE 2 - JUNTA B (01/02)			
DESENHO Nº: BL.2 066-085			Nº OBRA: XXXX
DESENHO Nº	DATA	ESCALA	UNIDADE
70017 PRS/LLCA	29/06/2012	1:50	CM
Nº PROJ. ESTRUT. 478 Nº PROJ. CIVIL 478			
478 - EST-BL-2 - 066-085 -R01 -VIG.PLT		RESPONSAVEL TECNICO	
PROPRIETARIO:			
RESPONSAVEL TECNICO PELA PROJETO ESTRUTURAL:			
SIMETRIA ENGENHARIA E PROJETOS S/A LTDA CREA-212499			