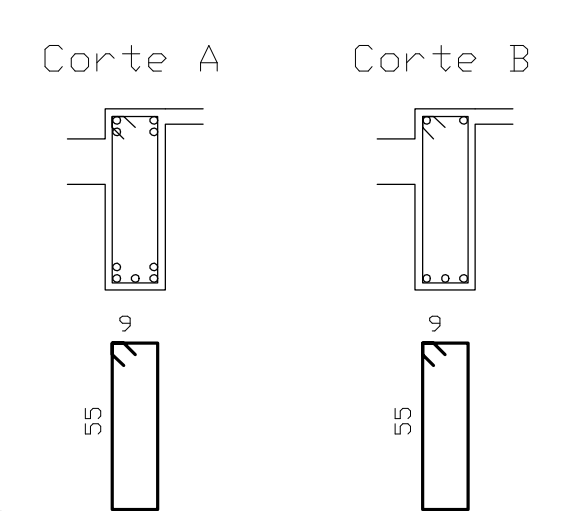
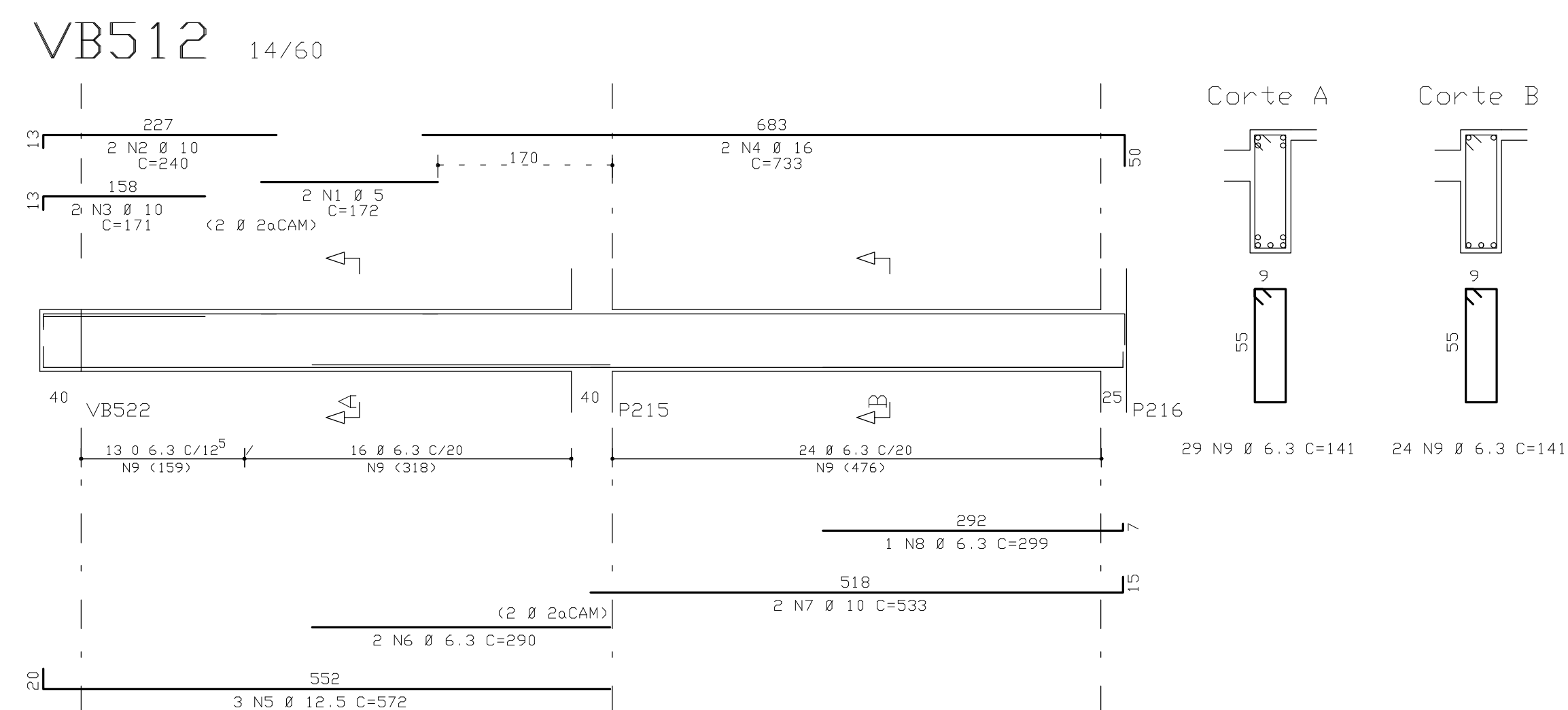
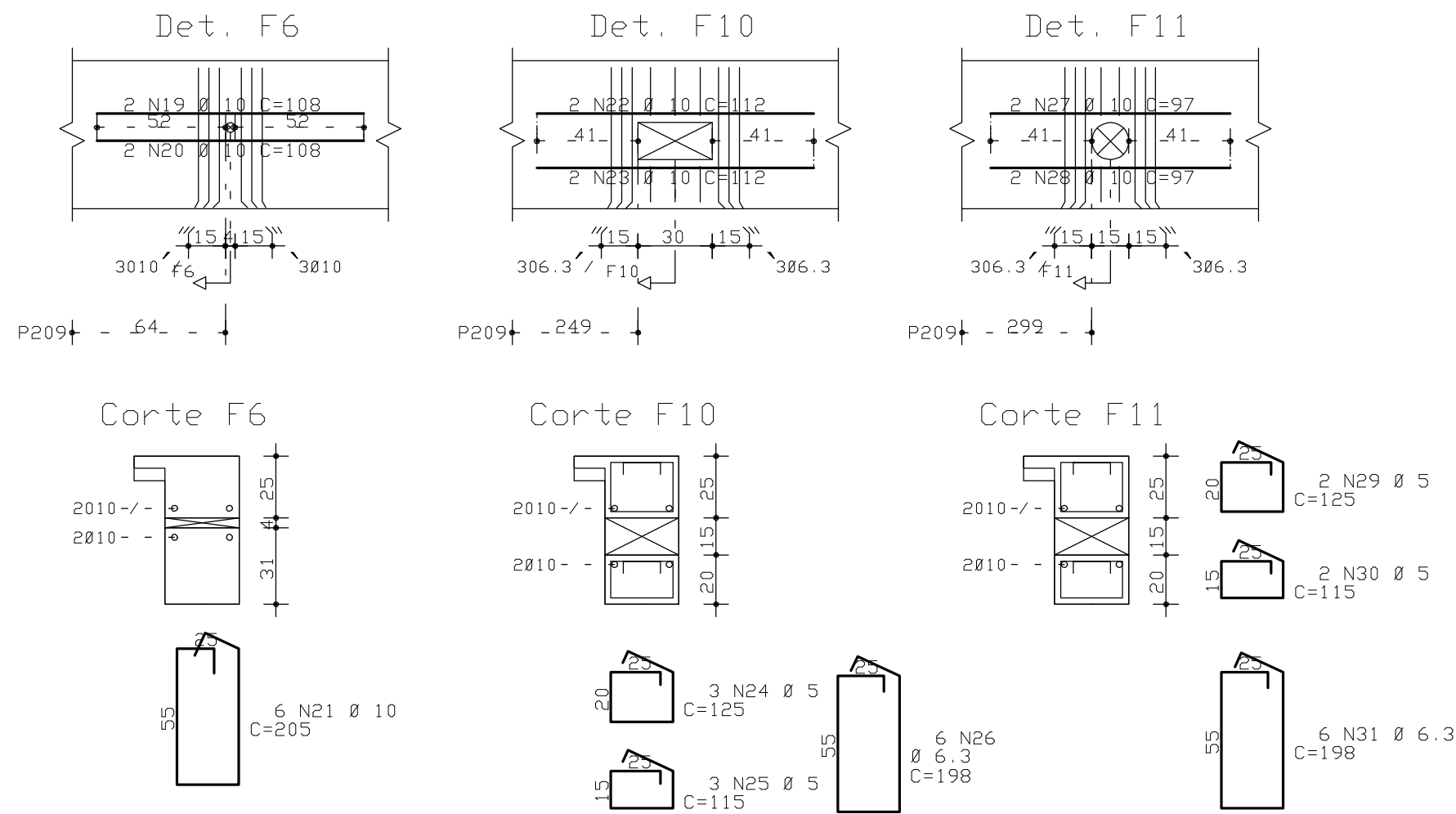
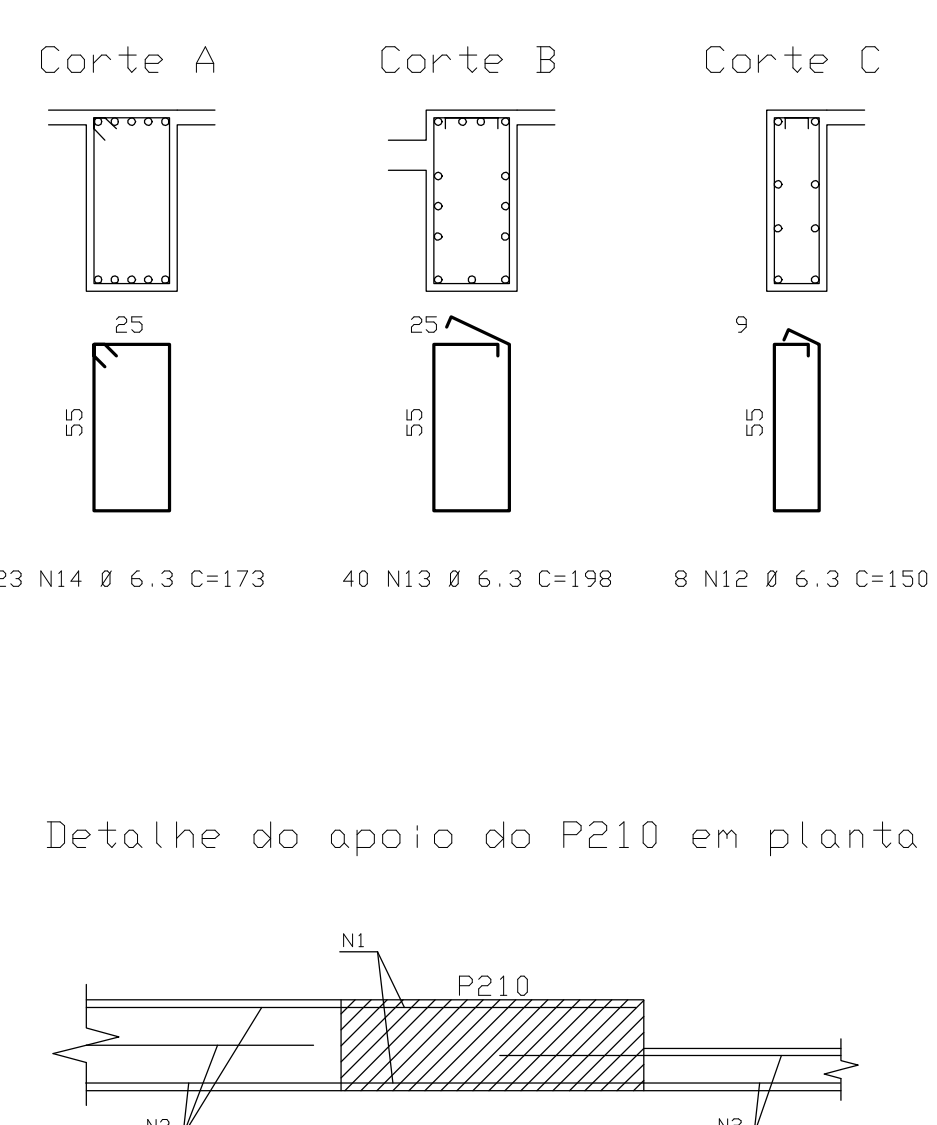
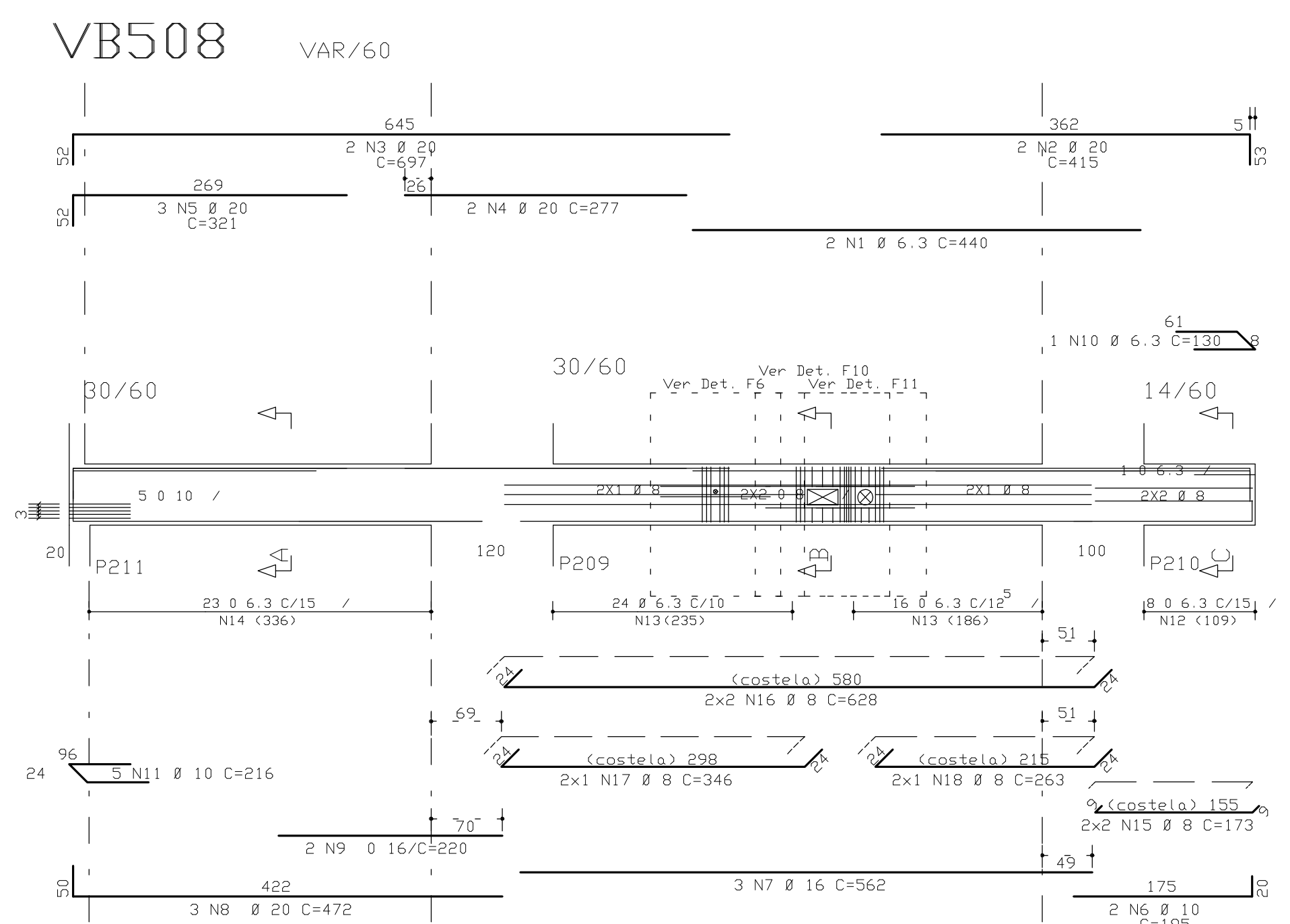
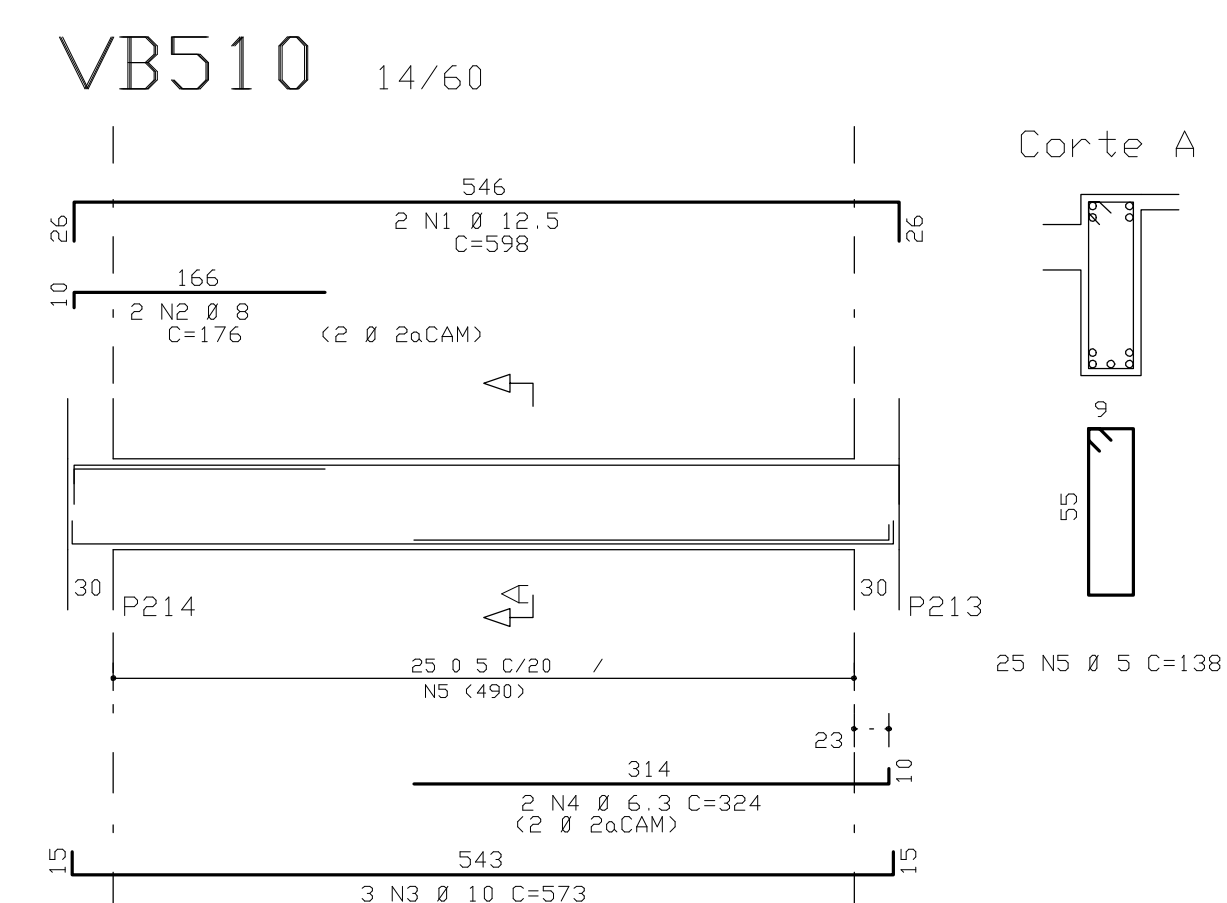
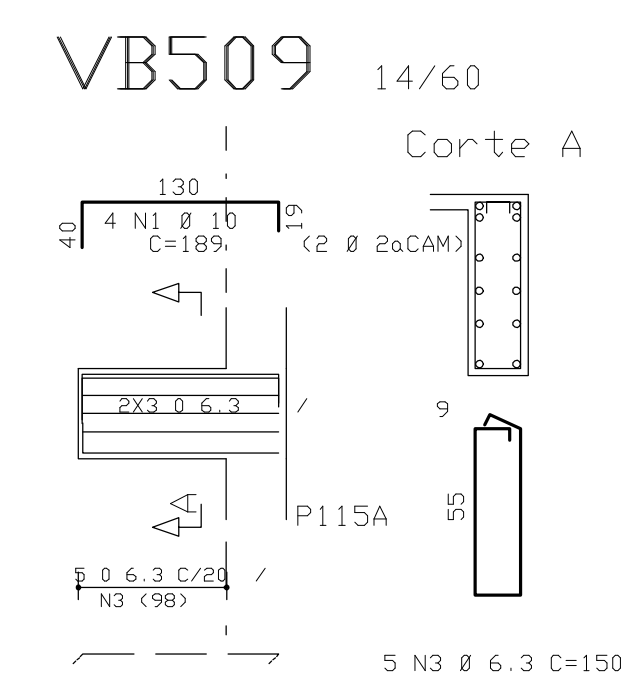
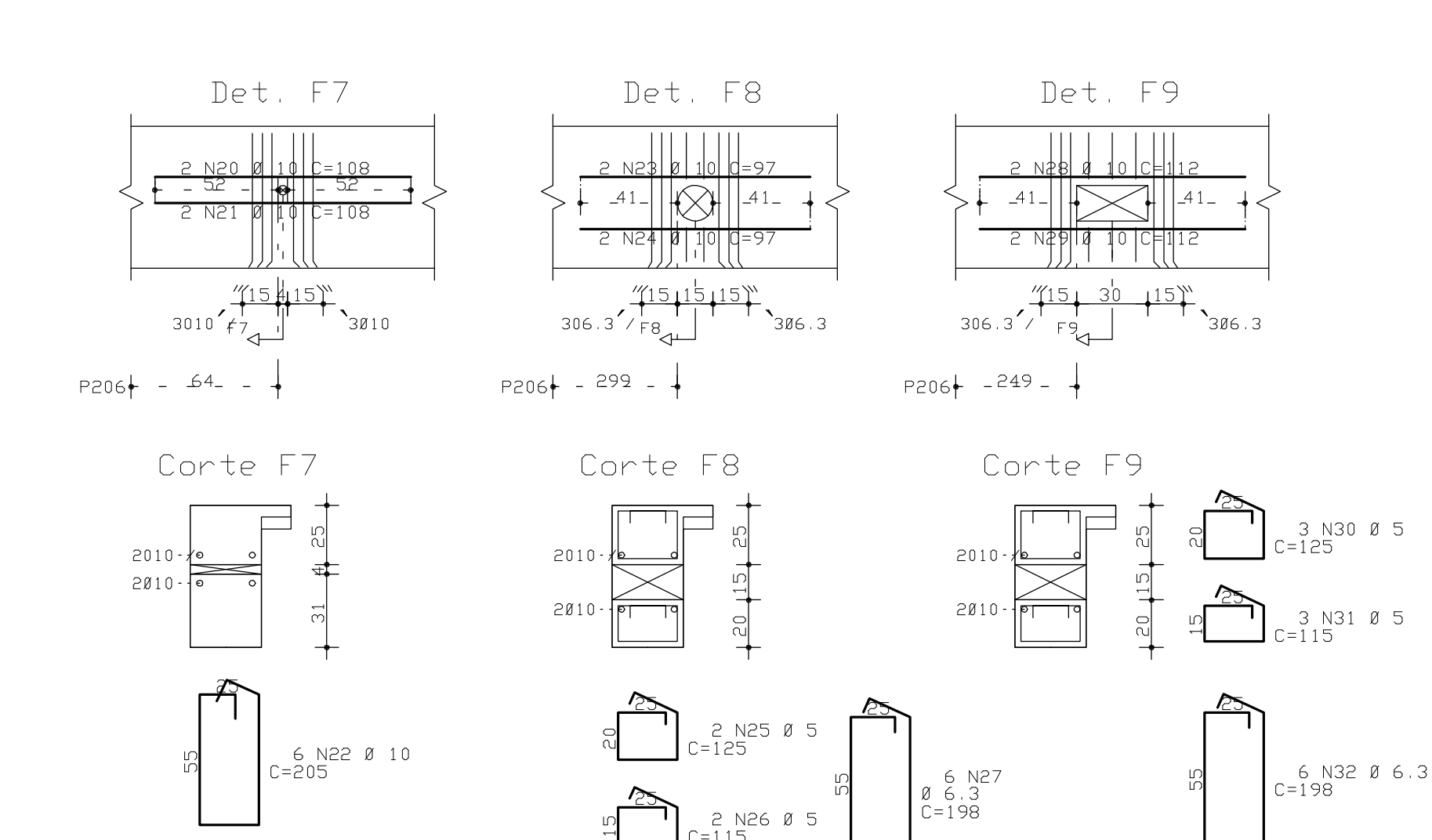
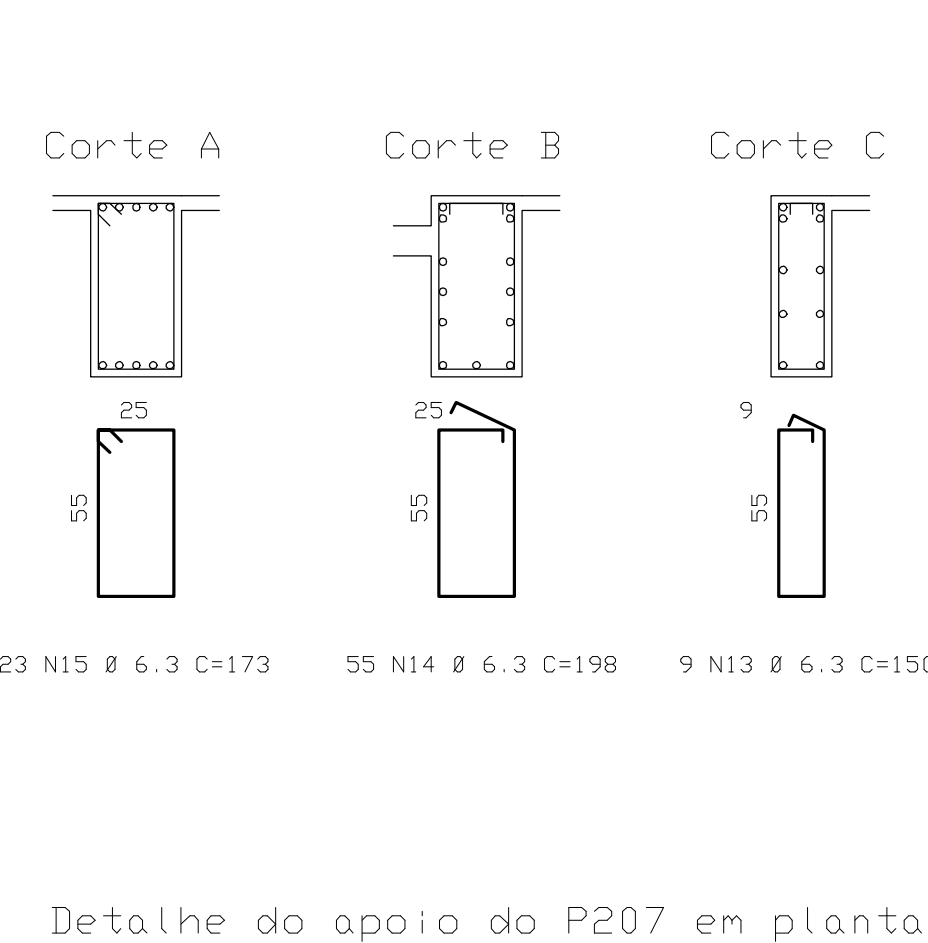
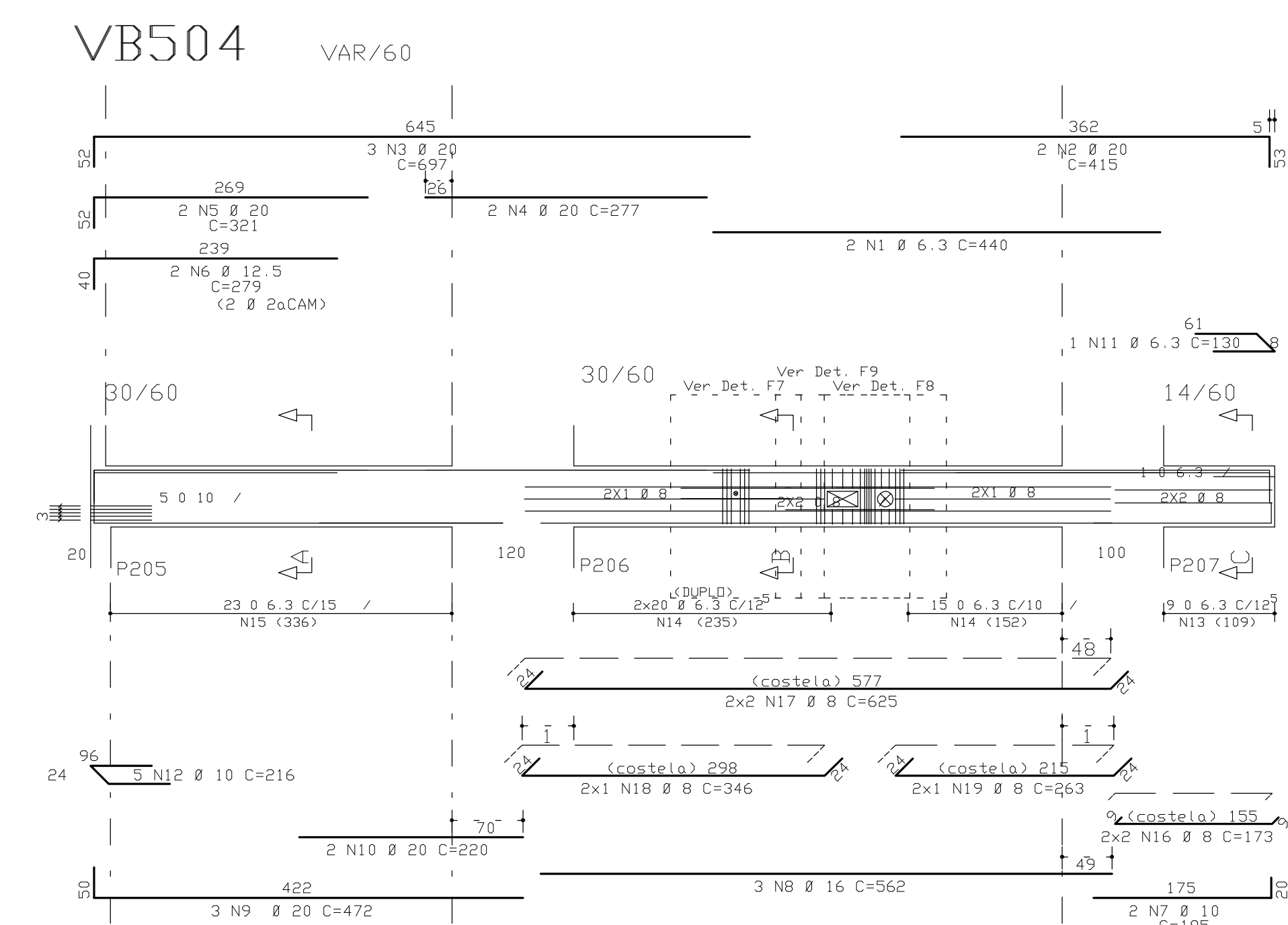
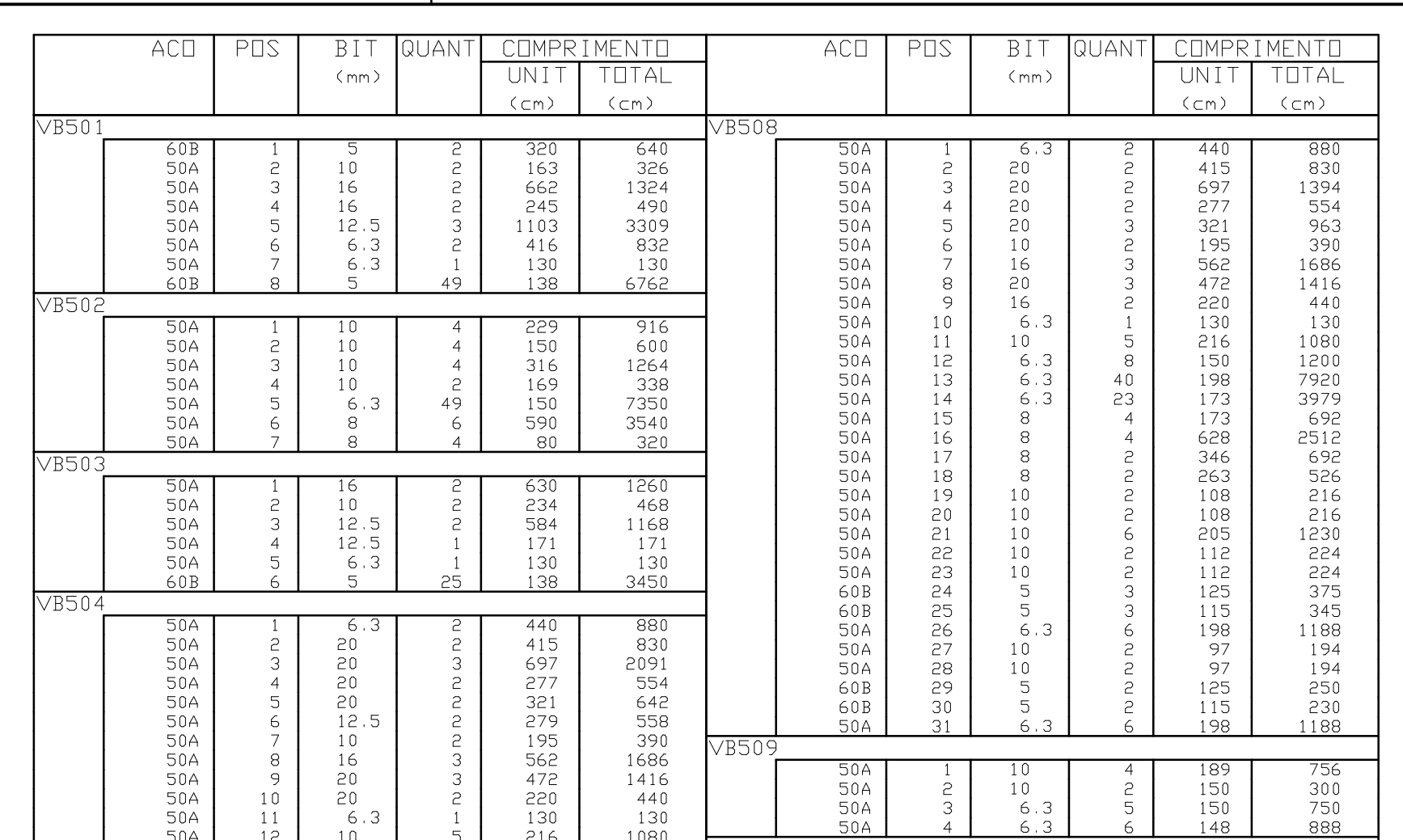
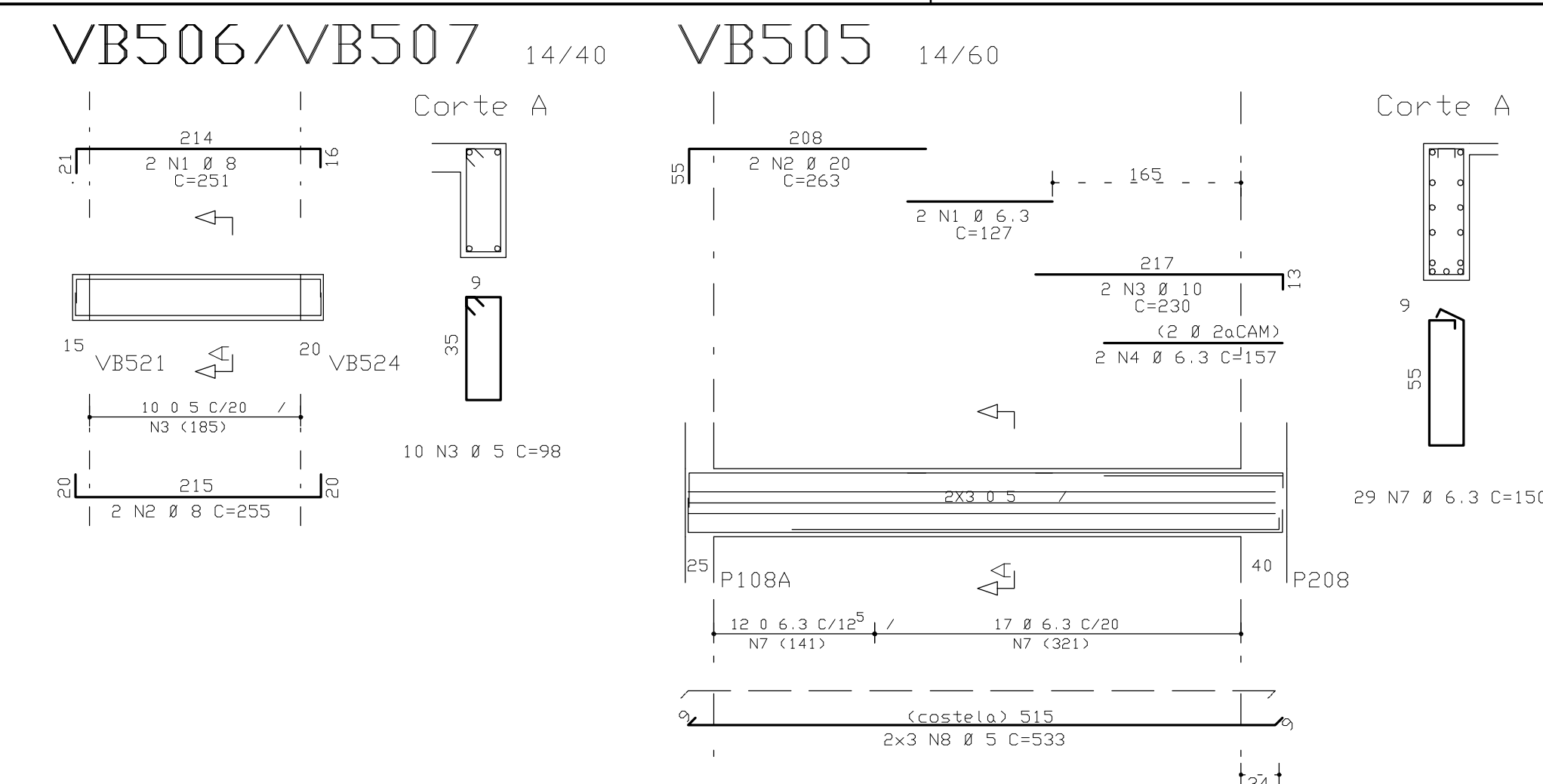
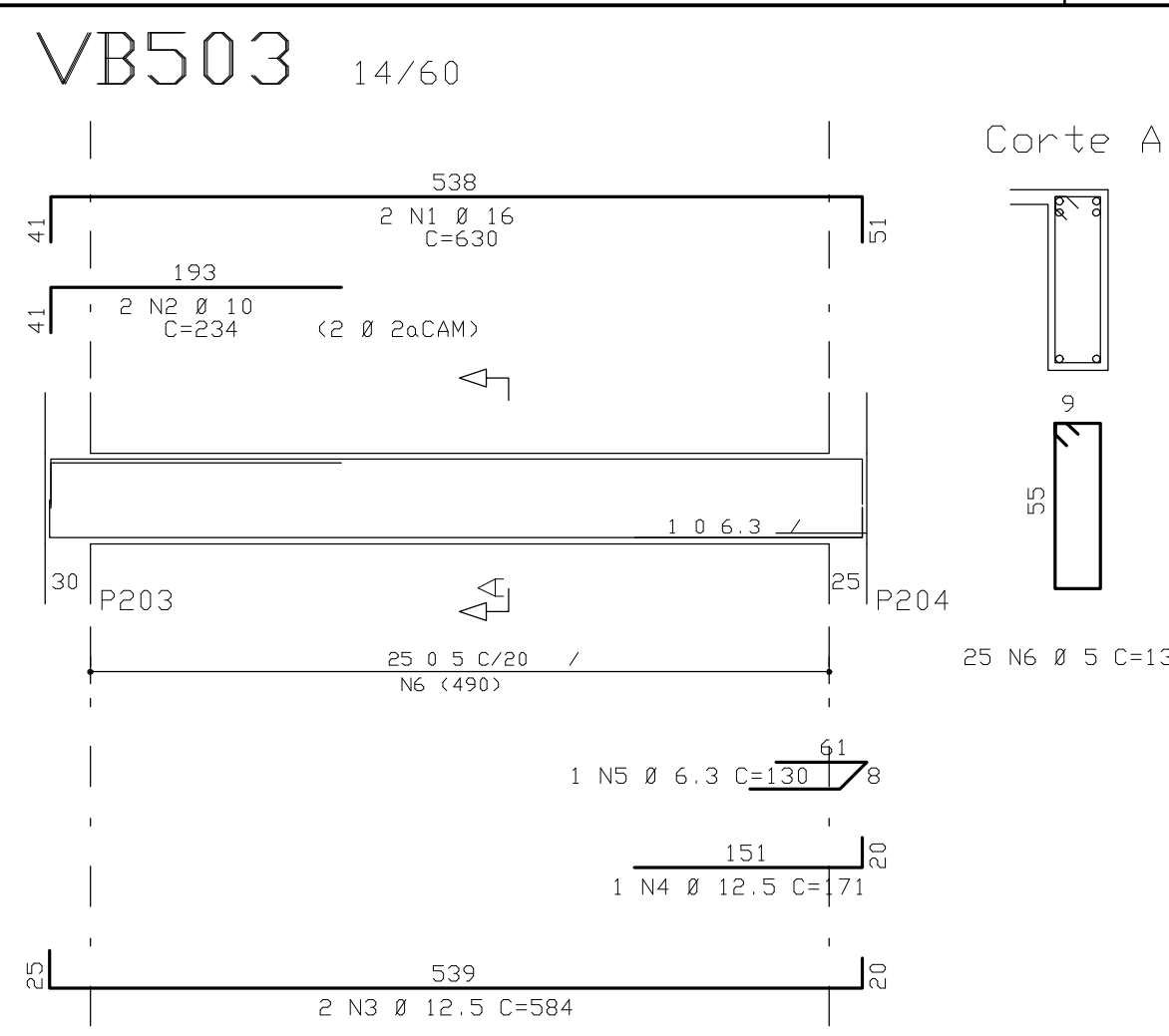
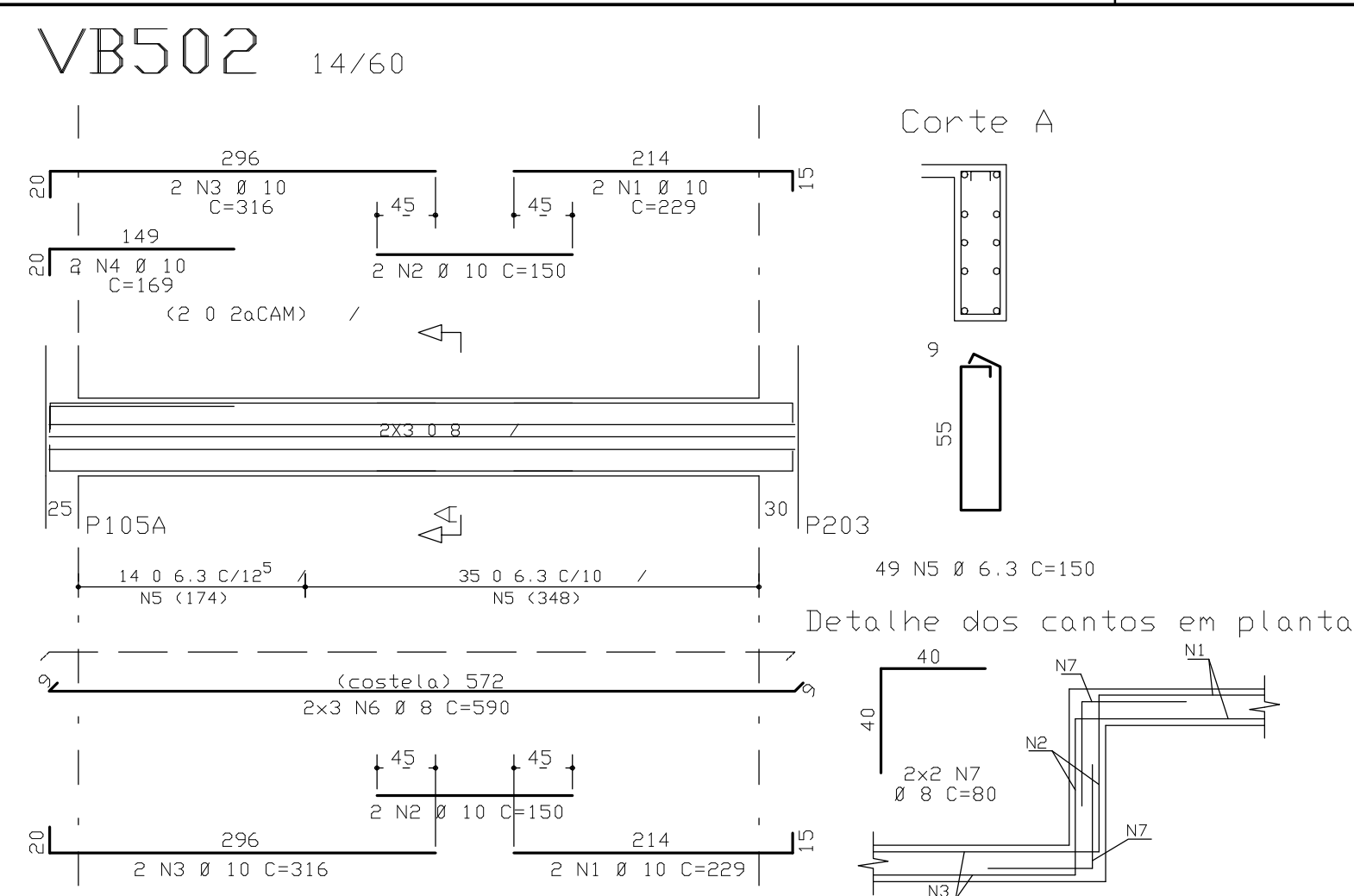
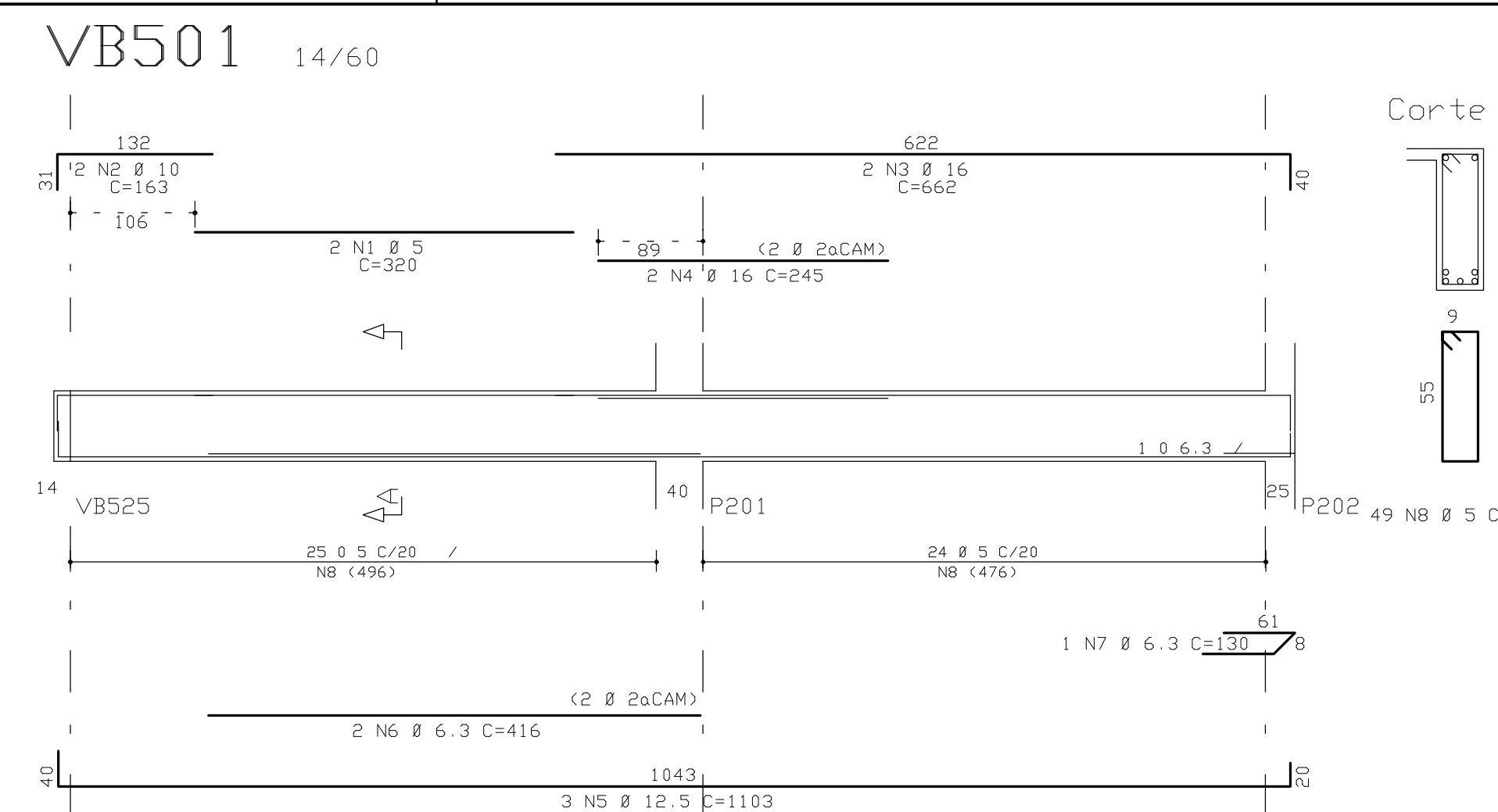
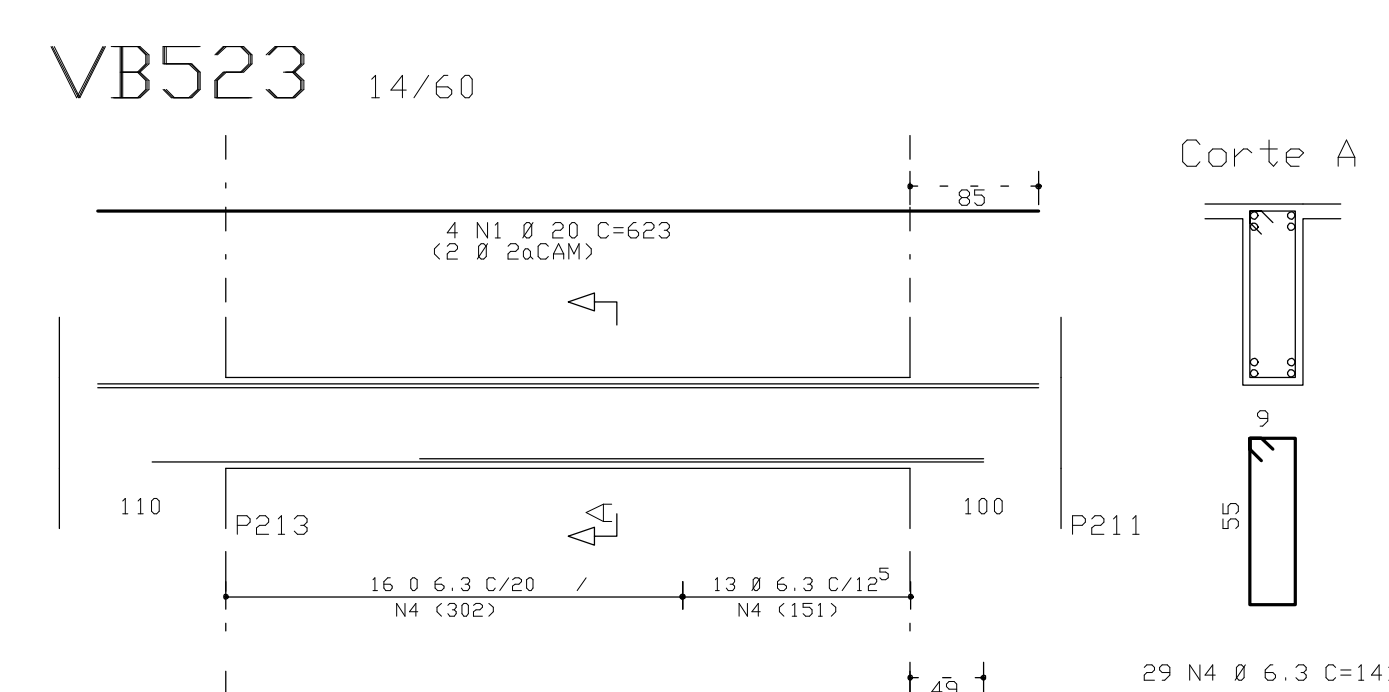
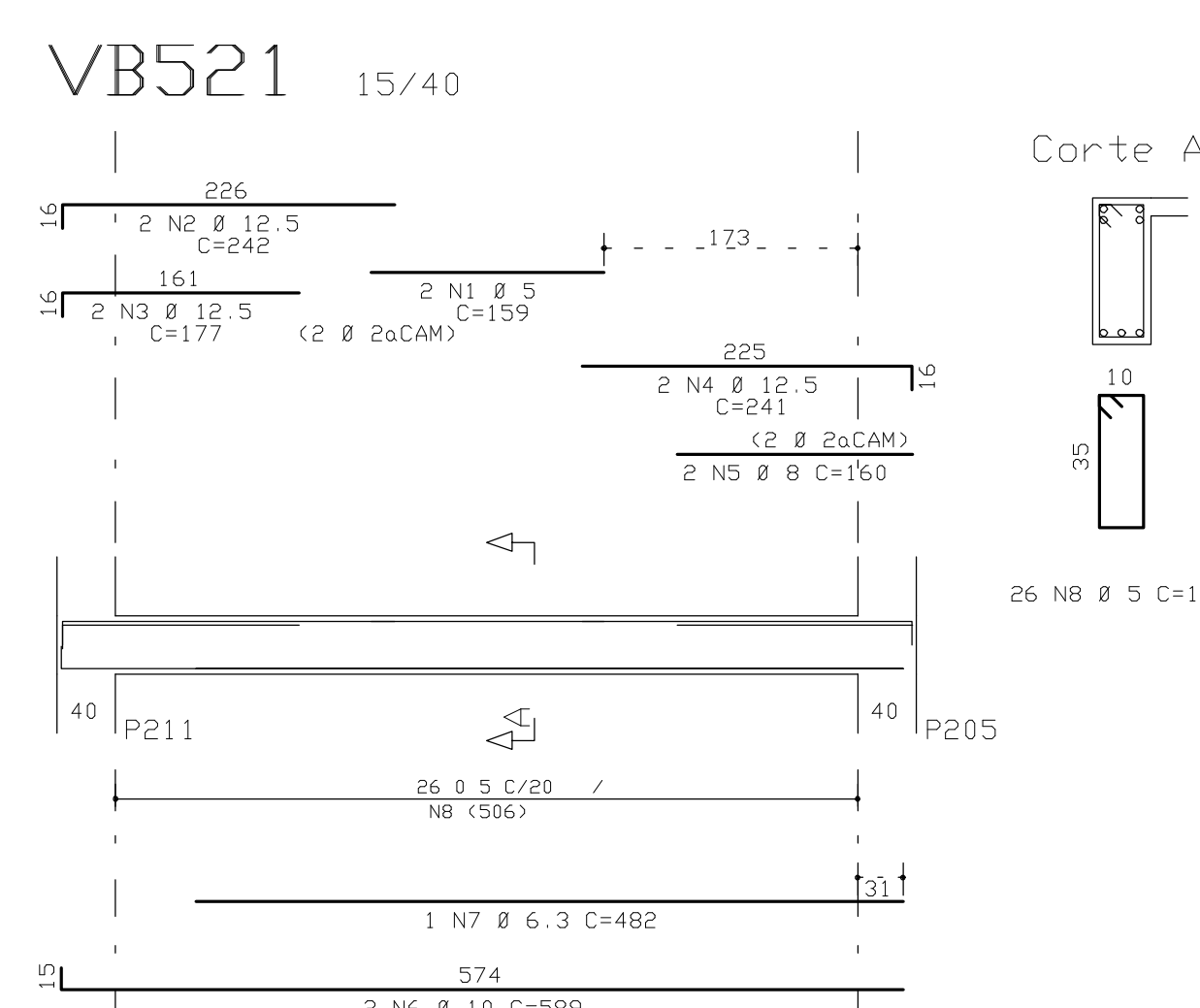
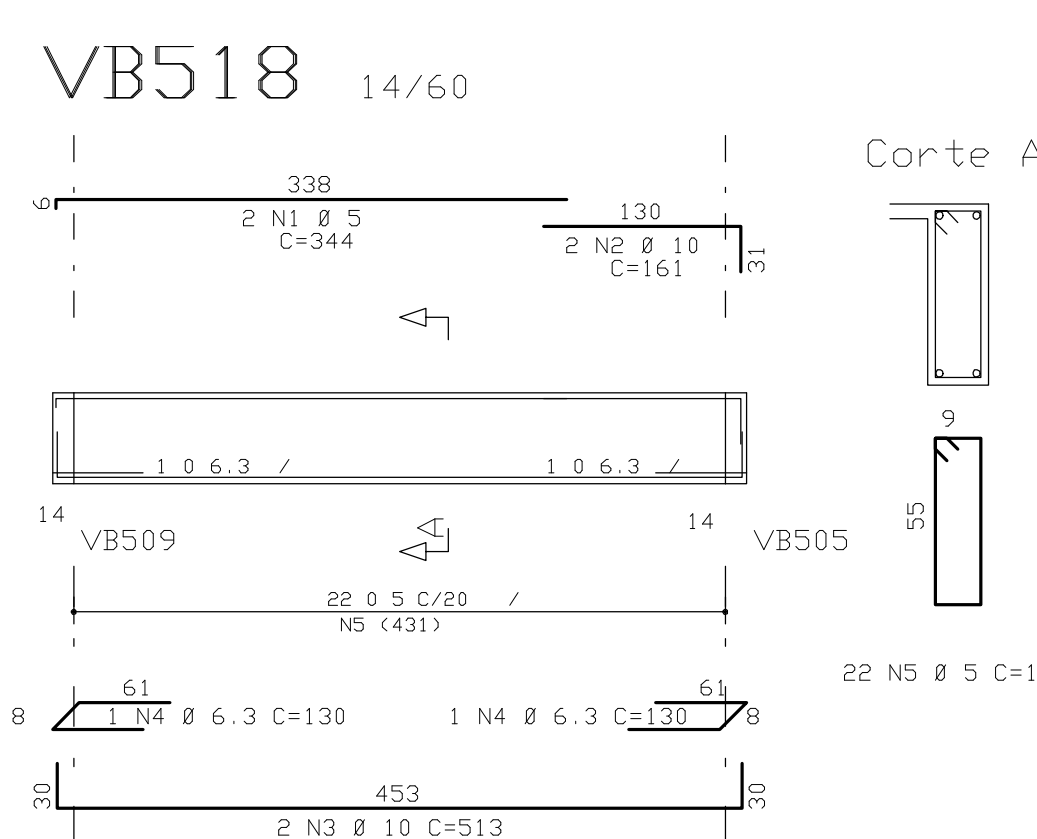
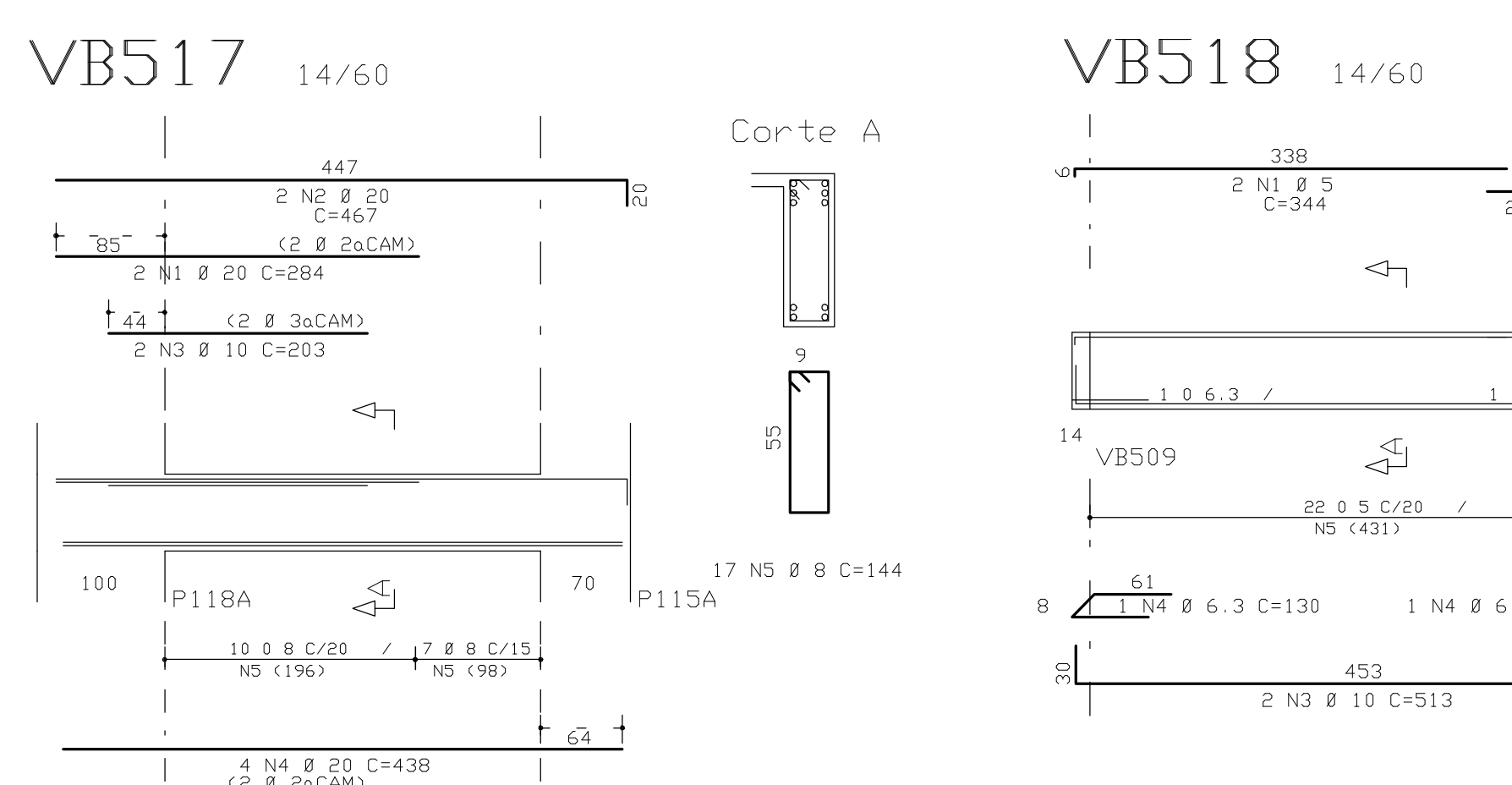
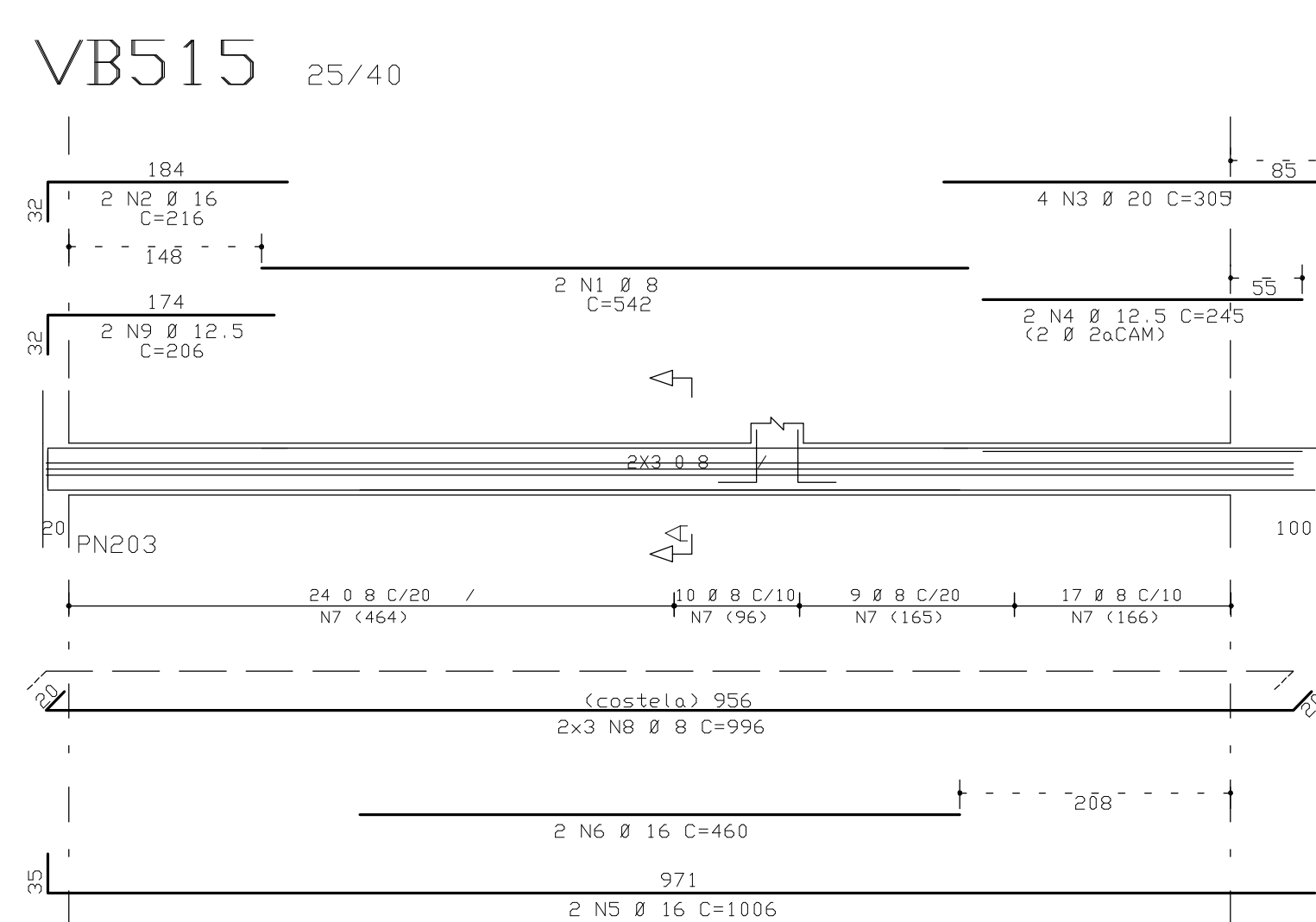
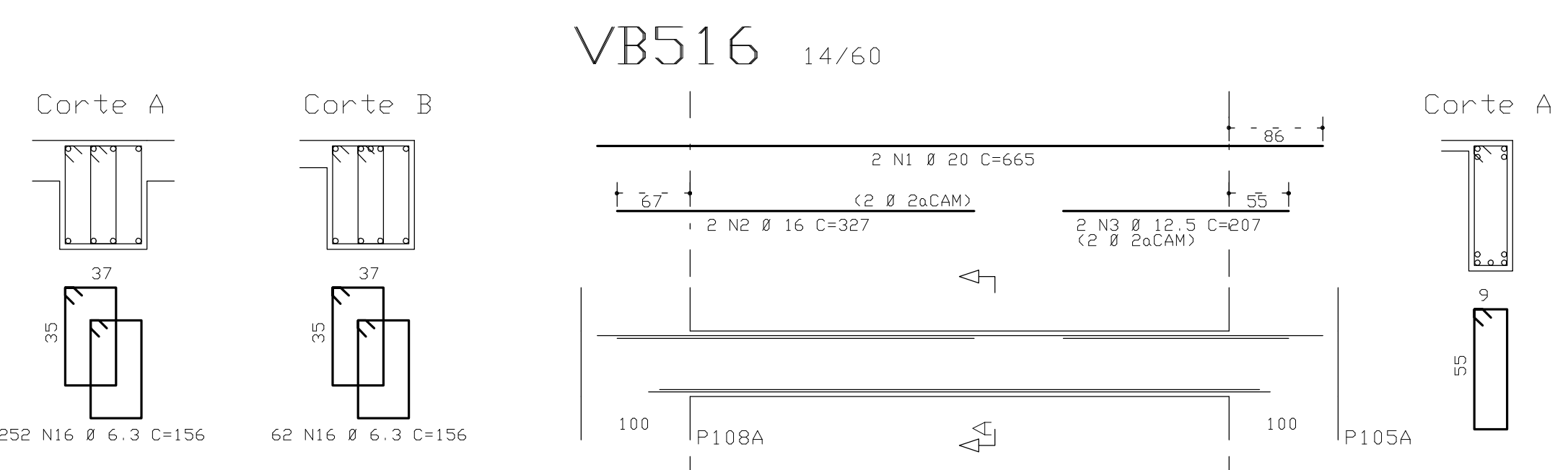
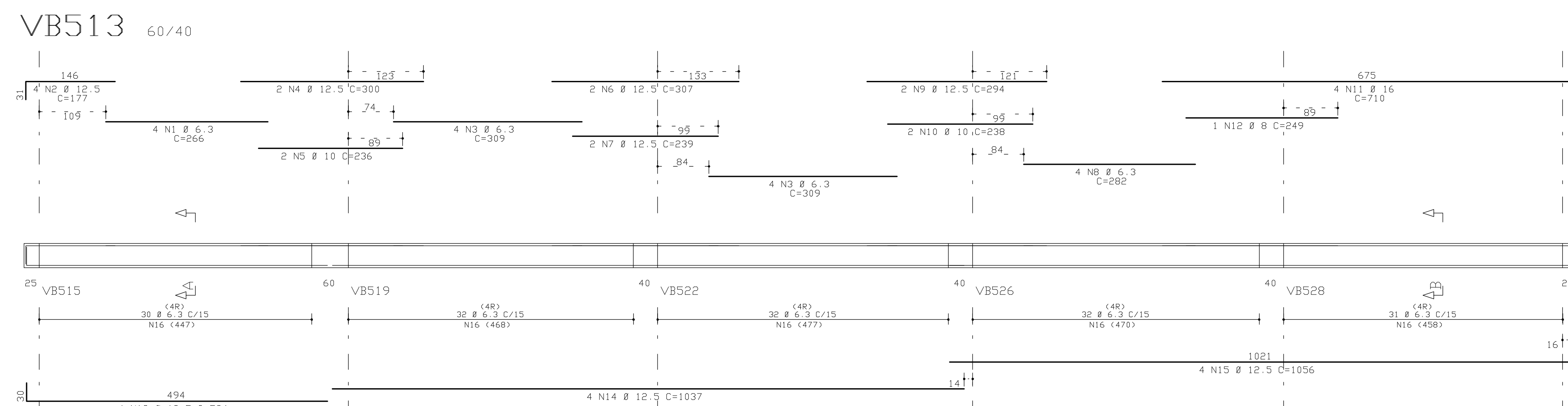
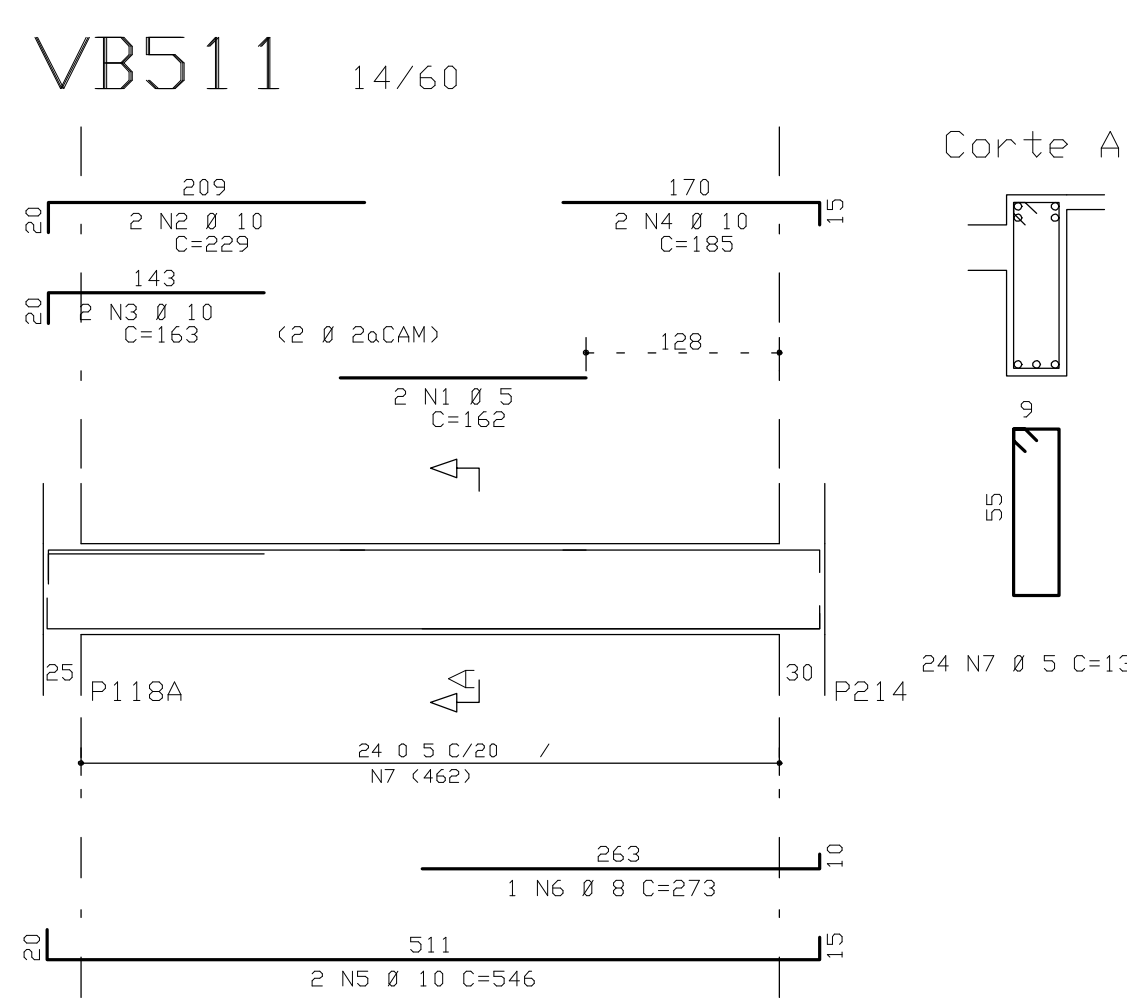




RESUMEN ACO CA 50-60			
ACO	BIT (mm)	CMRPR (mm)	PESO (kg)
60B	5	359	57
50A	6,3	1194	299
50A	8	353	141
50A	10	276	150
50A	12,5	276	276
50A	16	163	261
50A	20	220	459
Peso Total	60B =	57	kg
Peso Total	50A =	1626	kg



COBRIMENTO DA ARMADURA:

- LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
- BLOCOS, BALDRAMES E CONTEÍDORES (FACE EM CONTATO COM A TERRA) = 3,0 cm

1. ESSES COBRIMENTOS DEVERÃO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.

COBRIMENTOS ESPECÍFICOS EM CONTRÁRIO AOS VALORES INDICADOS ACIMA, ESTÃO INDICADOS NOS DESENHOS E FORMAS DOS PAVIMENTOS.

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:
VB501 A VB513 / VB515 A VB518 / VB521 / VB523

$$f_{ck} = 35 \text{ MPa}$$

EC = 28 GPa (Módulo de Elasticidade Secante aos 28 dias).

A/C = 0,65 (Fator Água Cimento)

0	21/08/2009	EMISSÃO	INICIAL	
REV	DATA	DESCRIÇÃO		
 				
114 QUAR. 16 - 32 - 2442-21-113 BRASIL (IA-DE) CEP: 71220-045 FONE: (61) 3161-3000 e-mail: info@simetria-eng.br				
PROJETO ESTRUTURAL				
CLIENTE: DISCO INDEPENDADORA E IMOBILIARIA LTDA				
OBRA: EDIFÍCIO RESIDENCIAL, COMPLEXO				
ENDEREÇO OBRA: AREA ESPECIAL, 84 LOTES G e H - GUARARÁ/DF				
DESCRIÇÃO: ARMADA DAS VIGAS DO 10 PAVIMENTO TORRE A - JUNTAS B (01/03)				
146-XXX				
DESENHISTA	DATA	ESCALA	UNIDADE	NOTA
W. M. M. LIMA	21/08/2009	1:50	mm	PROJ. SImetria 4/01
APROV. PLT				
421-EST-146-XXX-ROD. PLT				
PROJETO DEBIDO		RESPONSABIL. TECNICA		

RESPONSÁVEL TÉCNICO PELA PROJETO ESTRUTURAL				
SImetria Engenharia e Projetos S/C Ltda CREA 07/0595				

