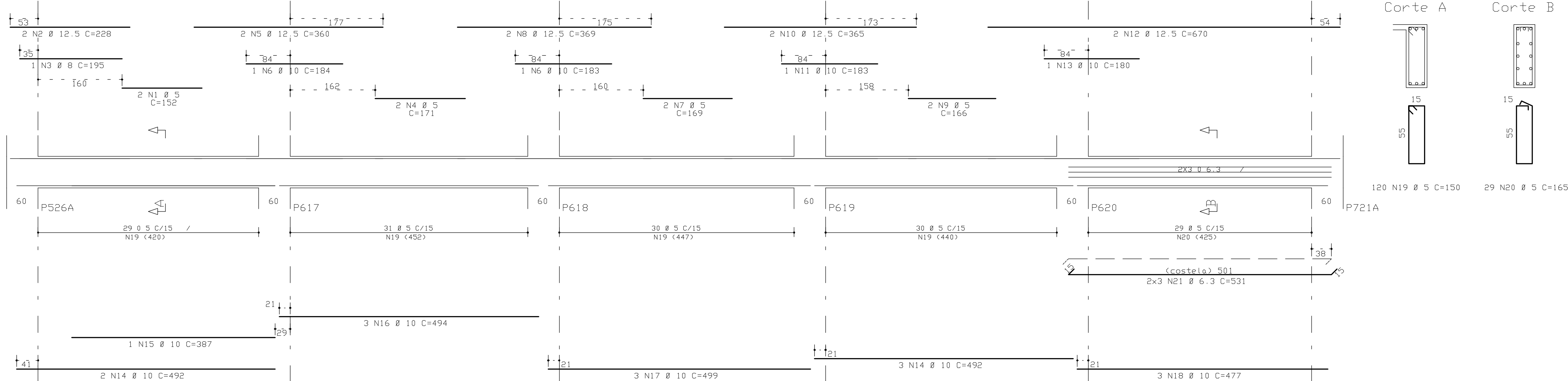


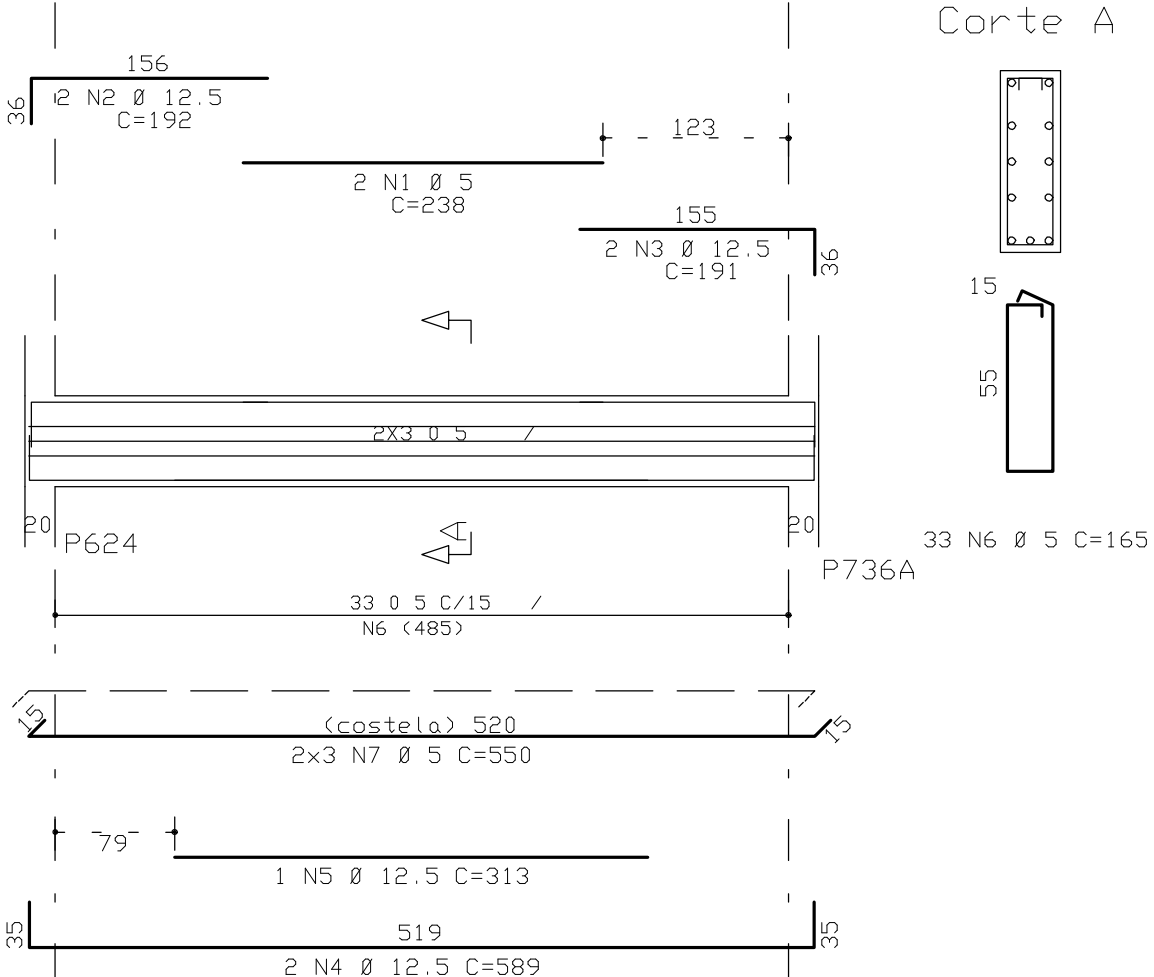
VF201

20/60



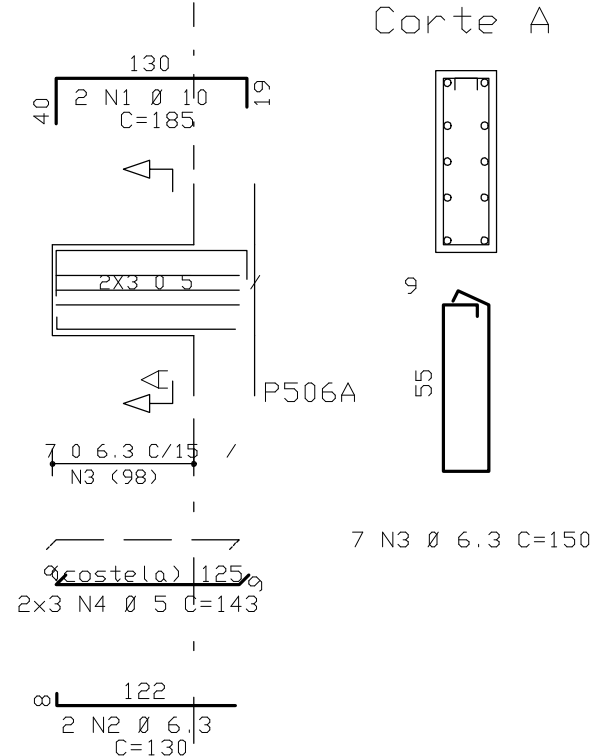
VF202

20/60



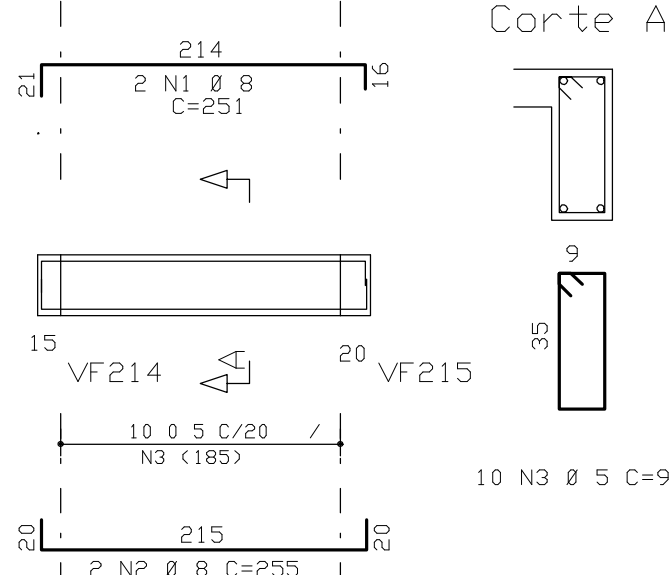
VF203

14/60



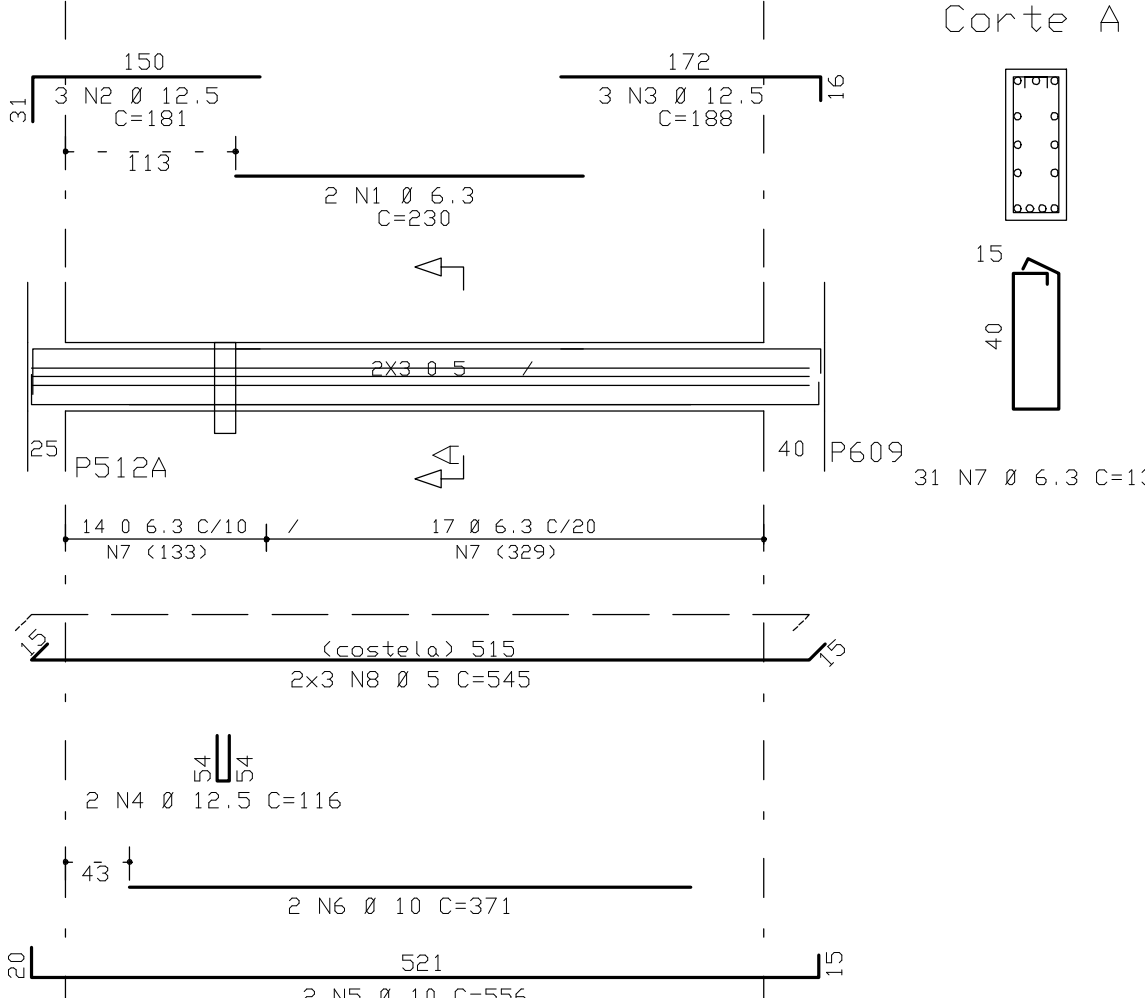
VF204/VF205

14/40



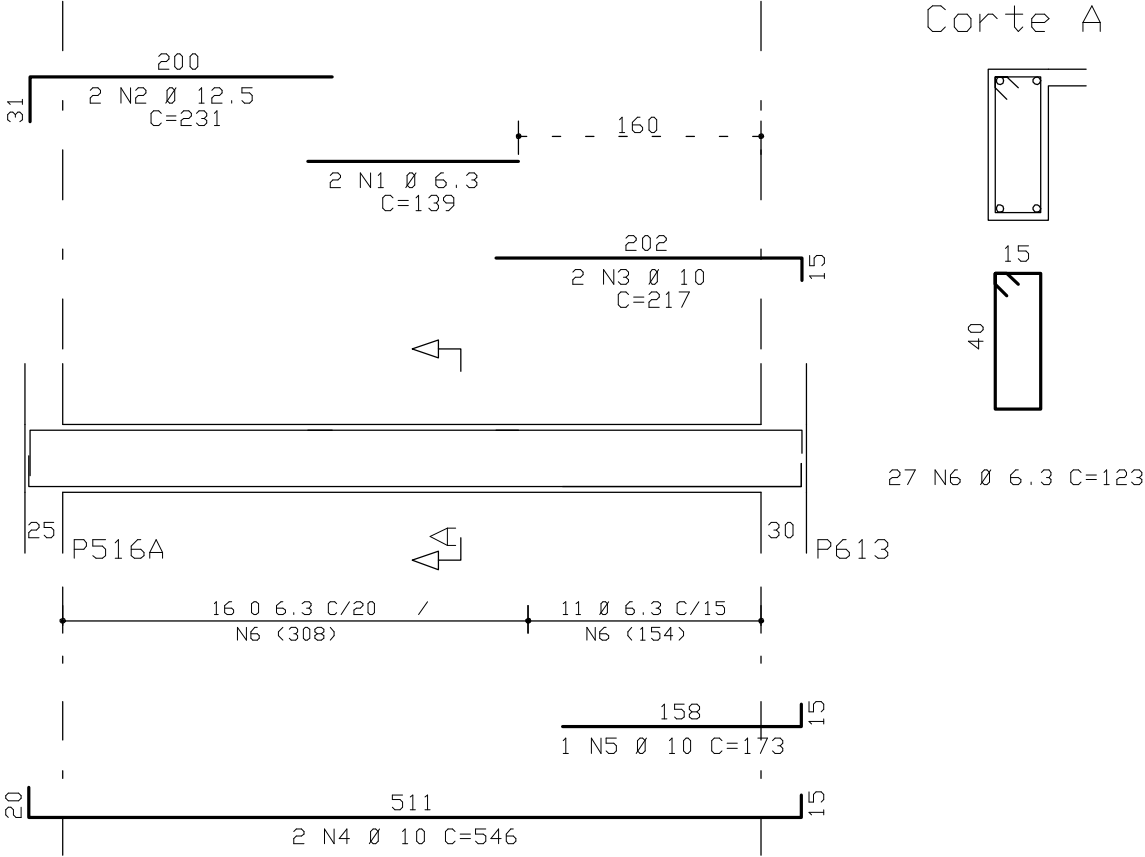
VF206

20/45



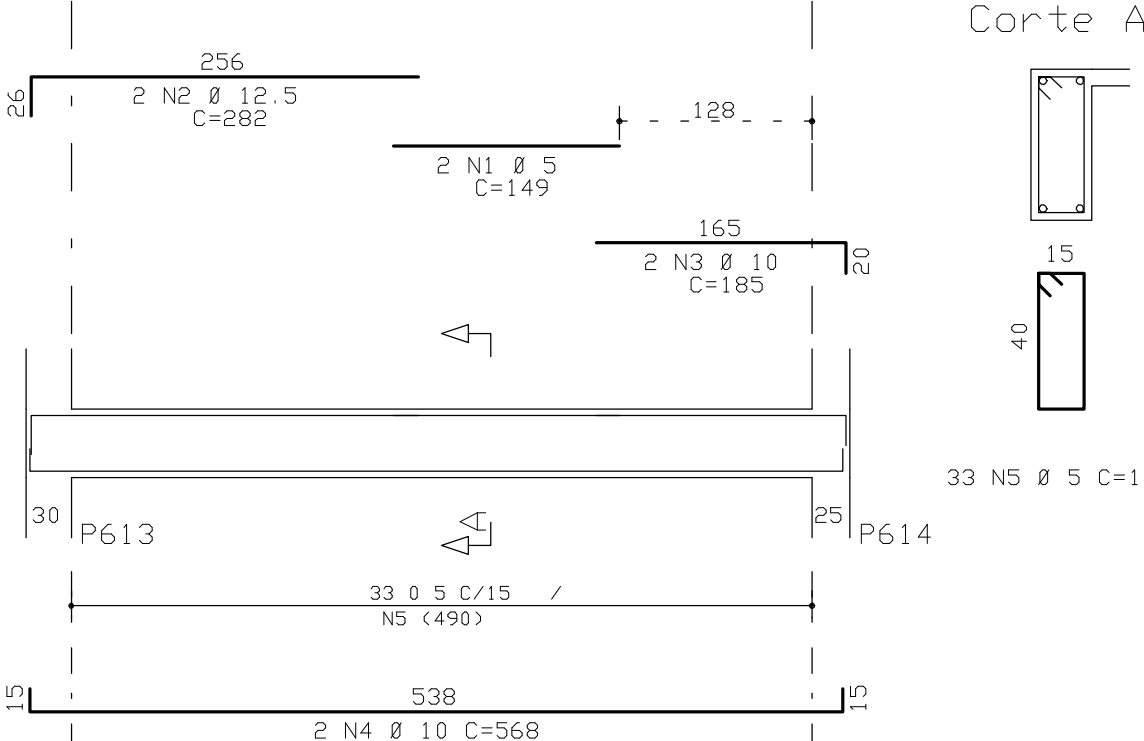
VF207

20/45



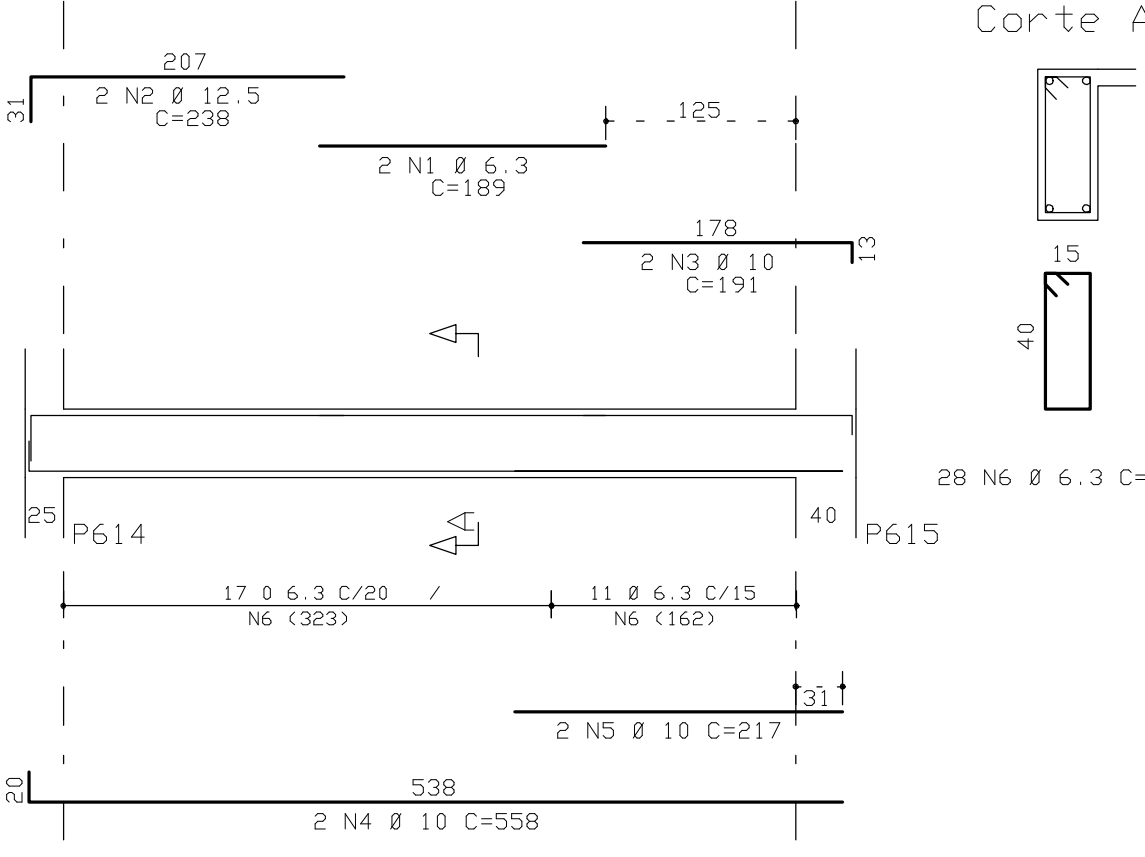
VF208

20/45



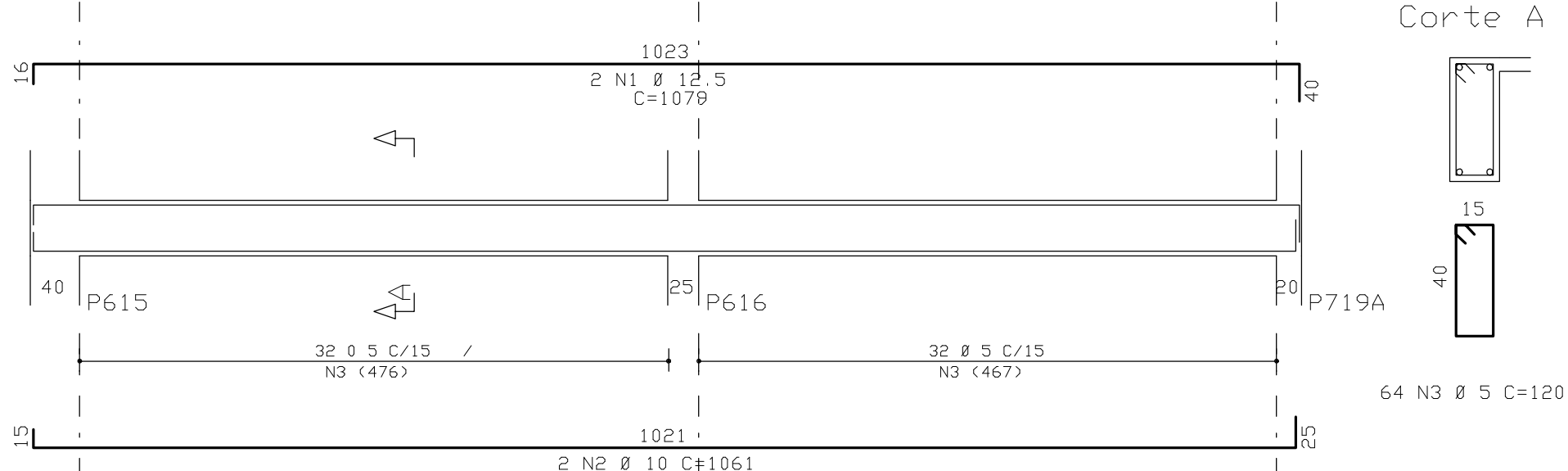
VF209

20/45



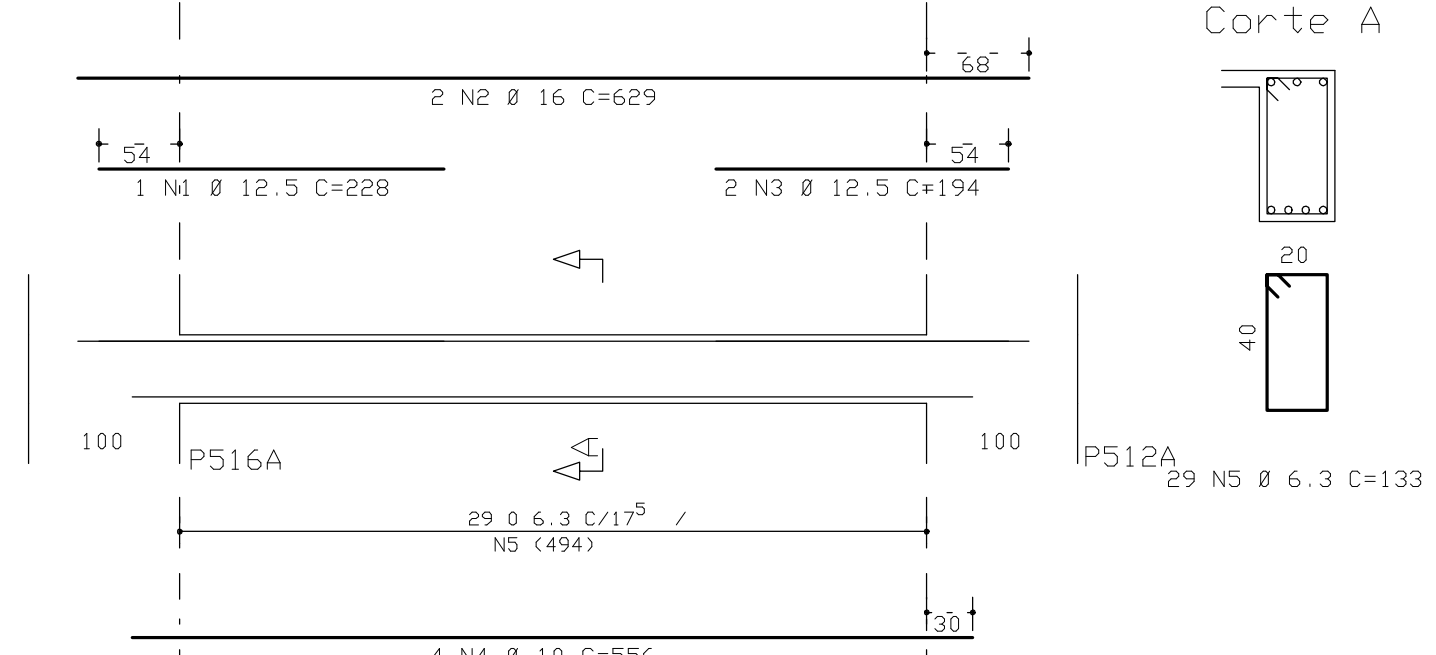
VF210

20/45



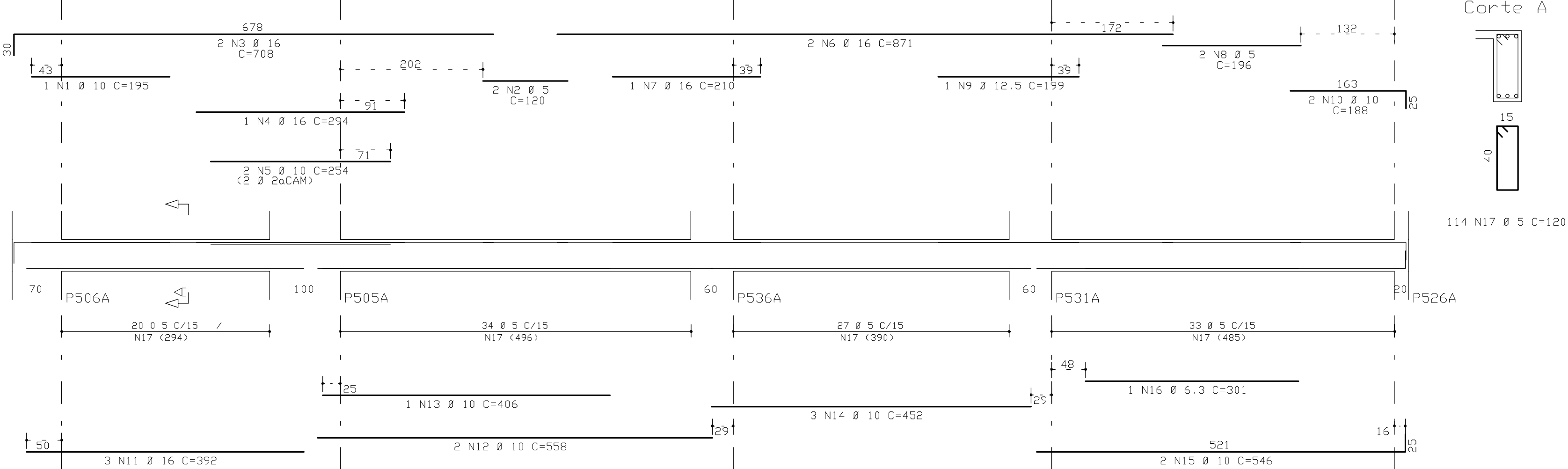
VF211

25/45



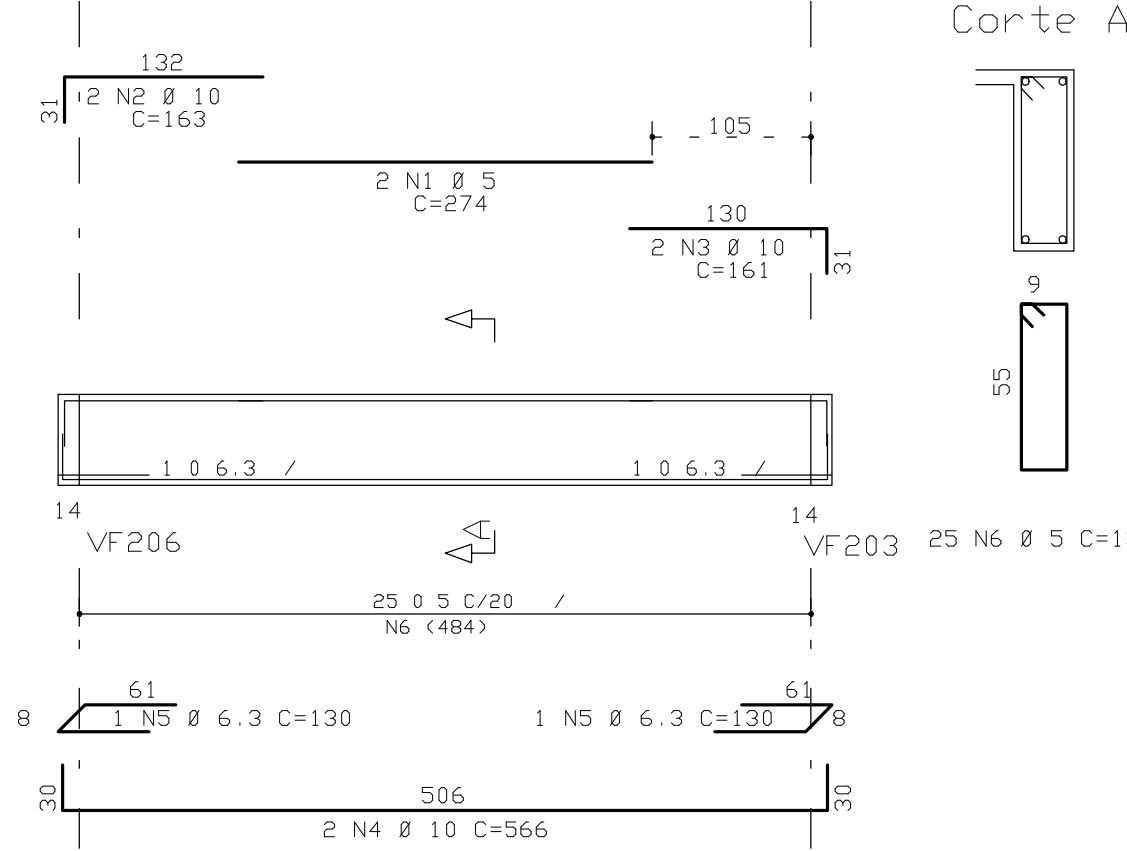
VF212

20/45



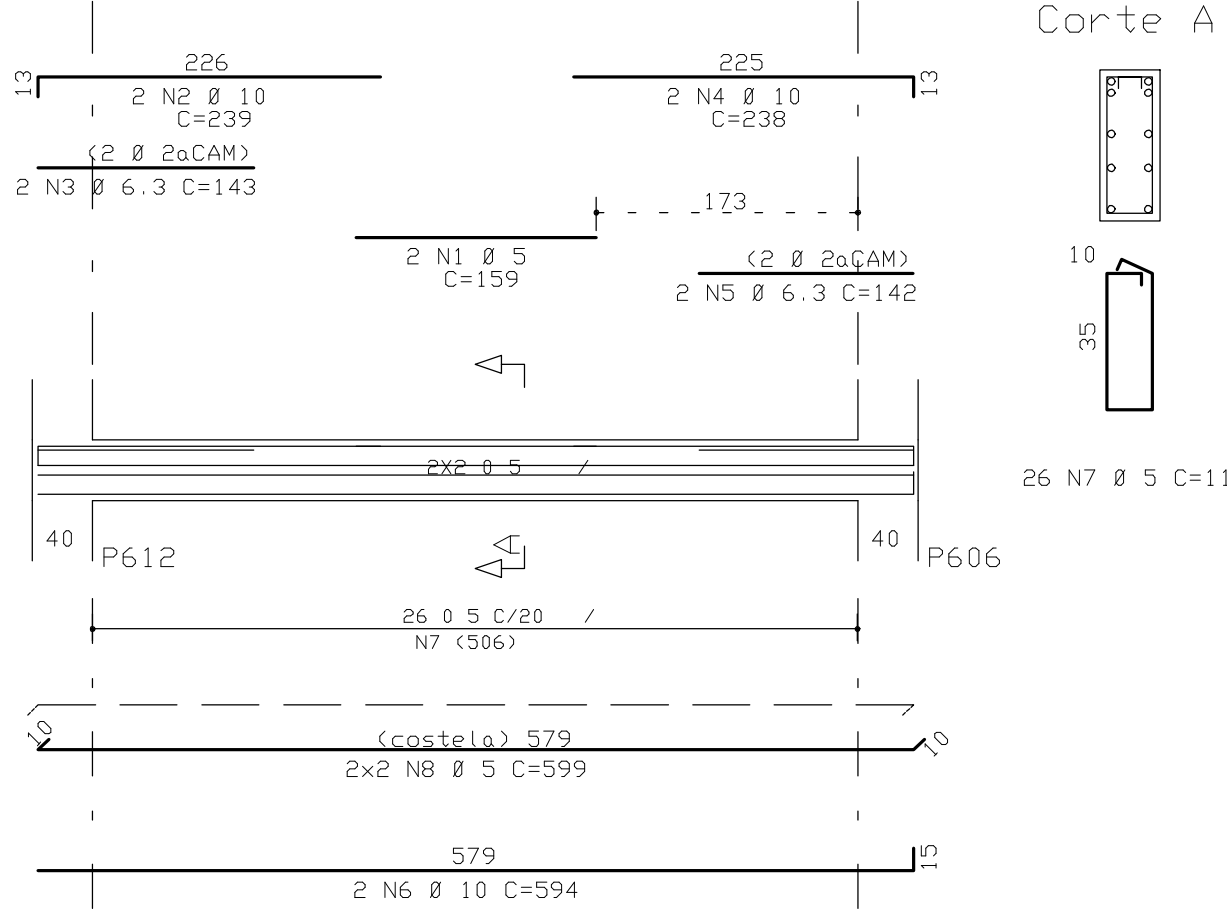
VF213

14/60



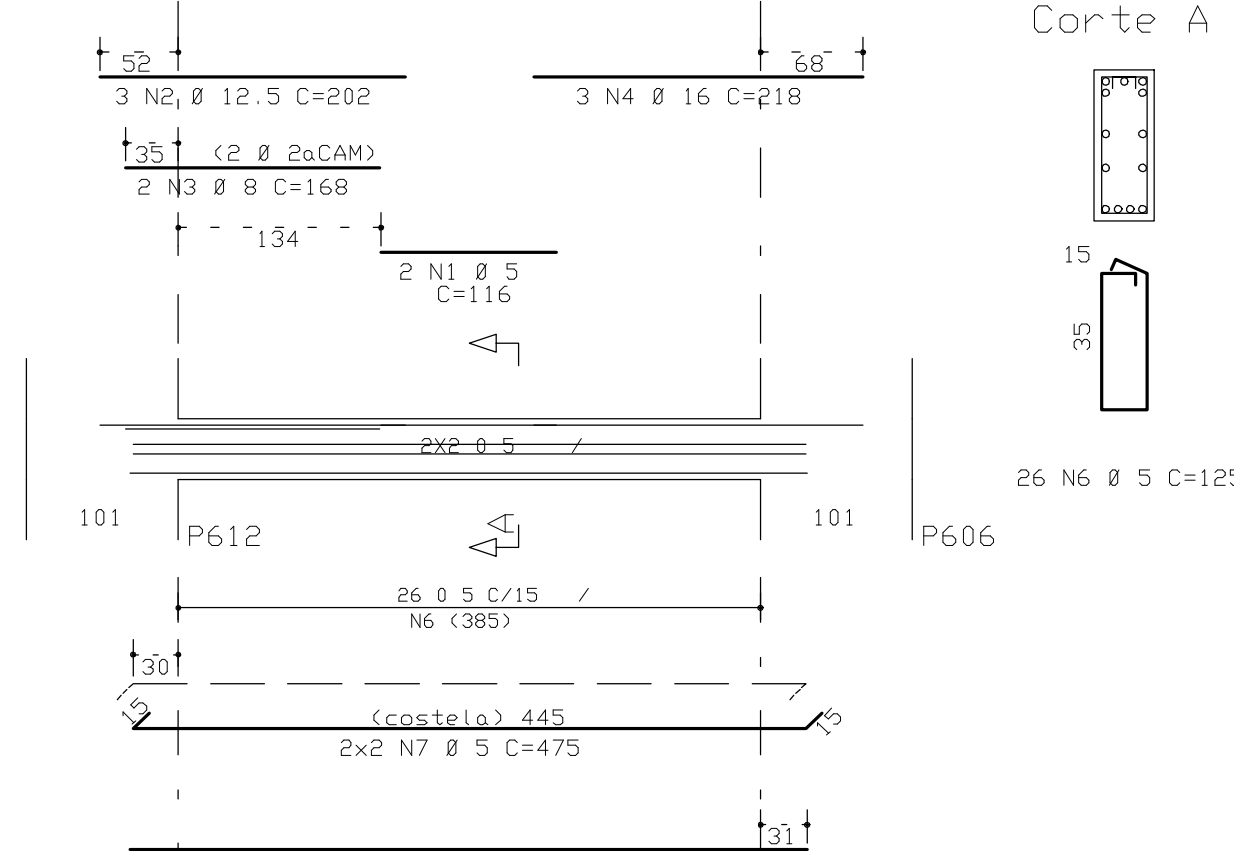
VF214

15/40



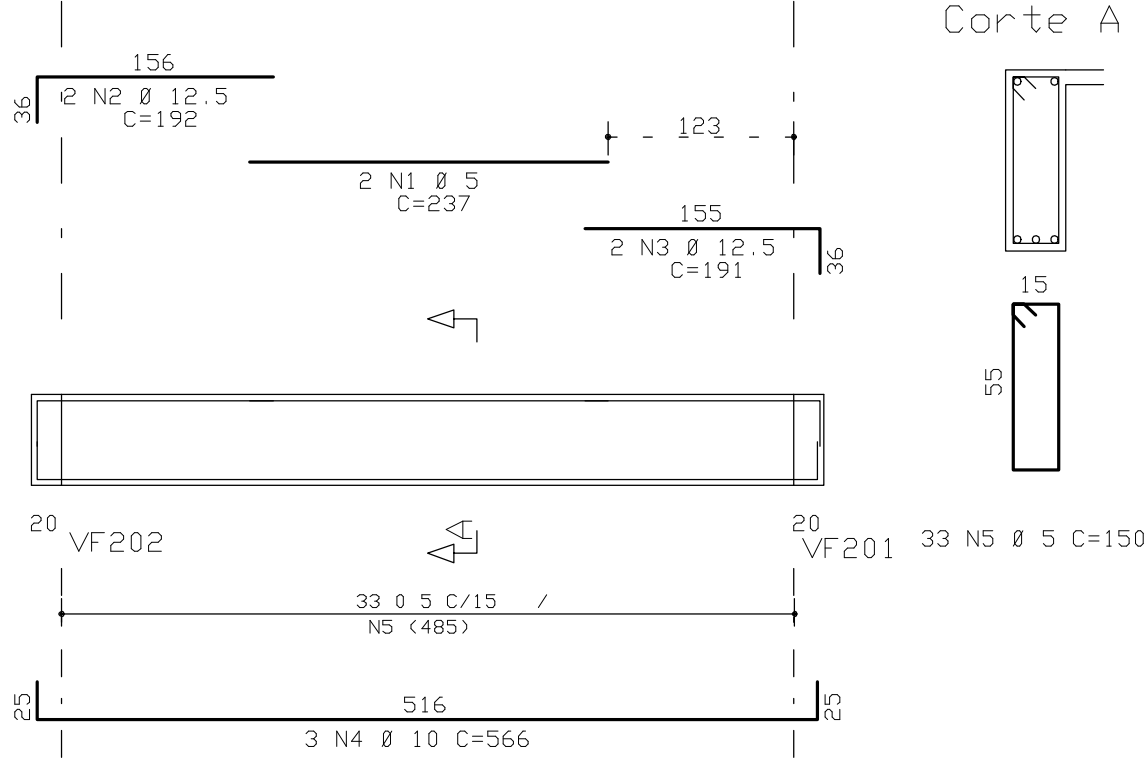
VF215

20/40



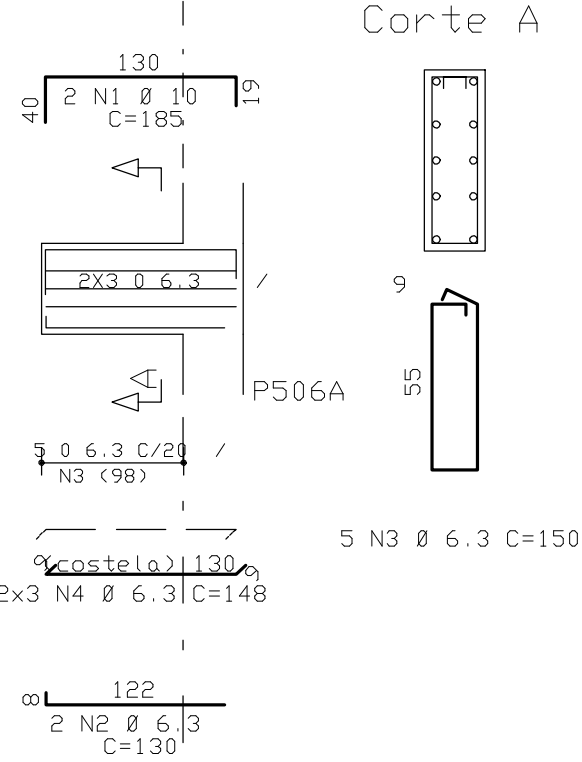
VF216

20/60



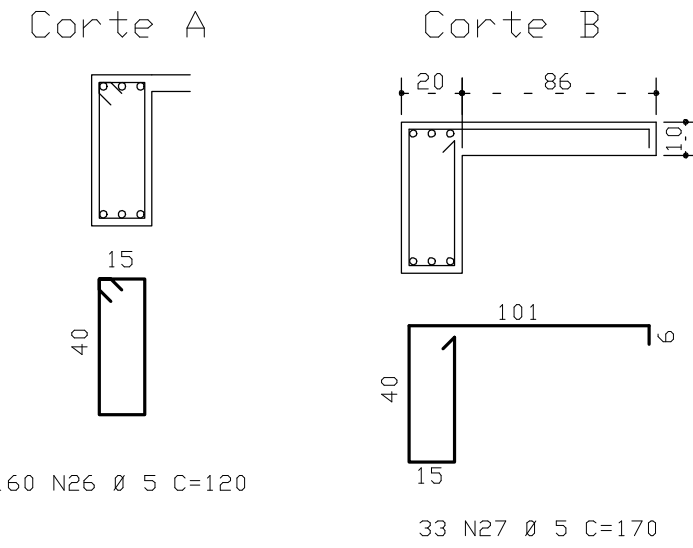
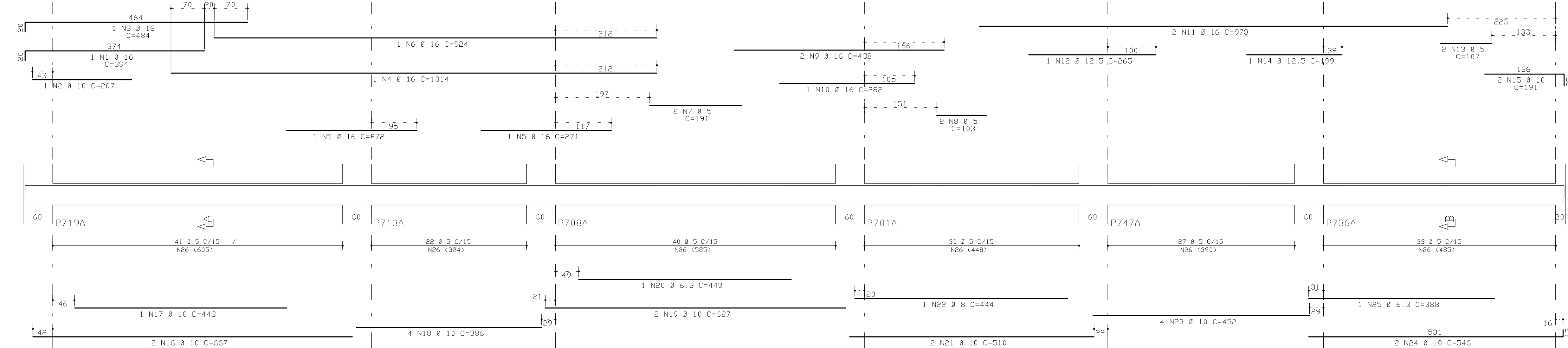
VSEF201

14/60



VF217

20/45



RESUMO AÇO CA 50-60			
ACD	BIT	CUMPR	PESO
(mm)	(mm)	(m)	(kg)
60B	13	179	179
50A	6,3	244	61
50A	8	30	10
50A	10	416	269
50A	12,5	139	139
50A	16	32	212
Peso total 60B =		179 kg	
Peso total 50A =		686 kg	

COBRIMENTO DA ARMADURA:

- LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
- BLOCOS, BALDRAMES E CONTENEDORES (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 CONTRAFOCO ACAB. VALORES INDICADOS ACIMA. ESTÃO INDICADOS NOS DESENHOS DE FORMAS DAS PAVIMENTAÇÕES.

NORMAS UTILIZADAS:

NBR-6118/2003 - PROJETO E EXECUÇÃO DE OBRAS DE CONCRETO ARMADO

NBR-6120/1980 - CARGAS PARA O CÁLCULO DE ESTRUTURAS DE CONCRETO

FCK = 35 MPa

EC = 28 GPa

A/C = 0,65

(MÓDULO DE ELASTICIDADE SECANTE AOS 28 DIAS)

(FATOR AGUA CIMENTO)

0		26/06/2009	EMISSION INICIAL		
REV.		2016	REVISÃO		
Simetria Engenharia					
PROJETO ESTRUTURAL					
CLIENTE: DISCO INCORPORADORA E IMOBILIÁRIA LTDA		No OBRA: 001			
OBRA: EDIFÍCIO RESIDENCIAL OLIMPIQUE		No PROJ: 102-XXX			
ENDEREÇO OBRA: RUA ÁREA ESPECIAL 4 LOTES G e H - GUARAPUÁ		DESENHO No:			
ARMACENHO DAS VIGAS DO 1º SUBSÓLO		102-XXX			
TORRE C - JUNTA F (01/01)		DESENHO No:			
DESENHISTA: 102-XXX-001		DATA: 26/06/2009			
ESCALA: 1:50		UNIDADE: cm			
PROPRIETÁRIO:		RESPONSÁVEL TÉCNICO:			
RESPONSÁVEL TÉCNICO PROJETO ESTRUTURAL					
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA					
CRIA: 07/09/07					

