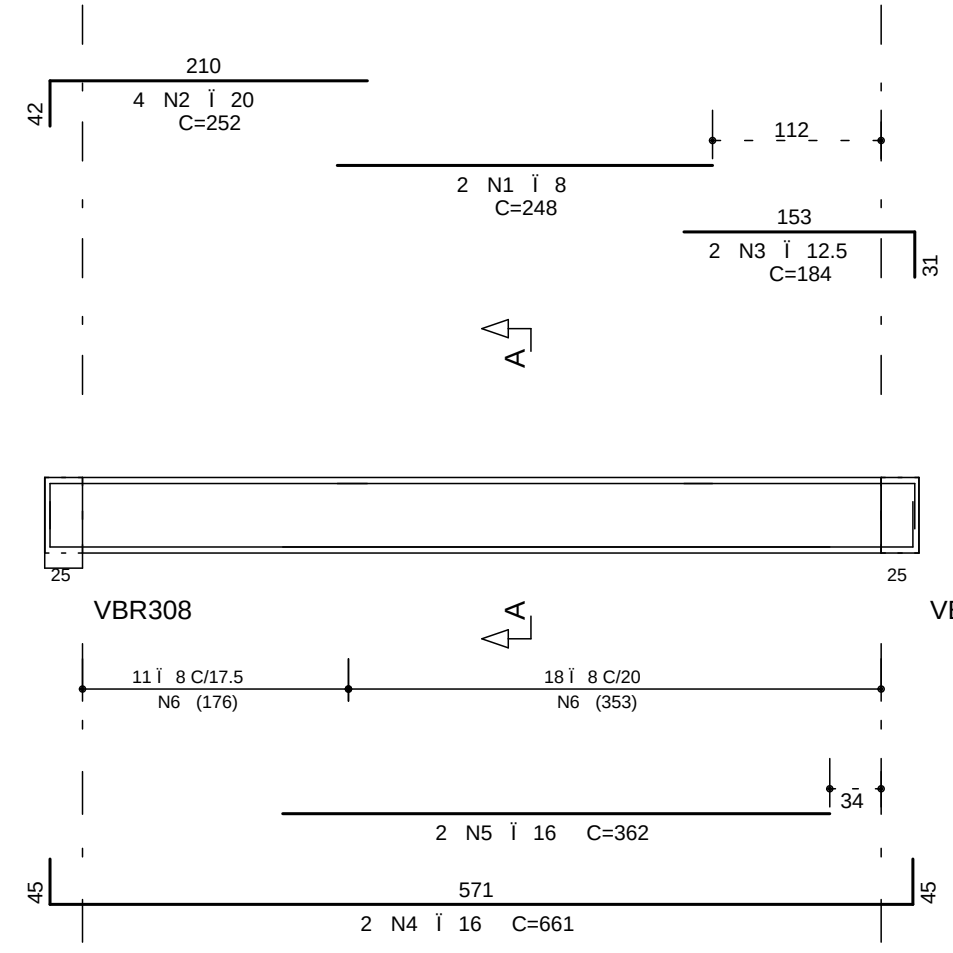
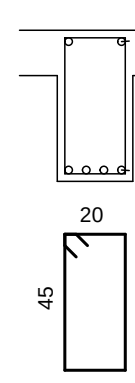


VBR306

25/50

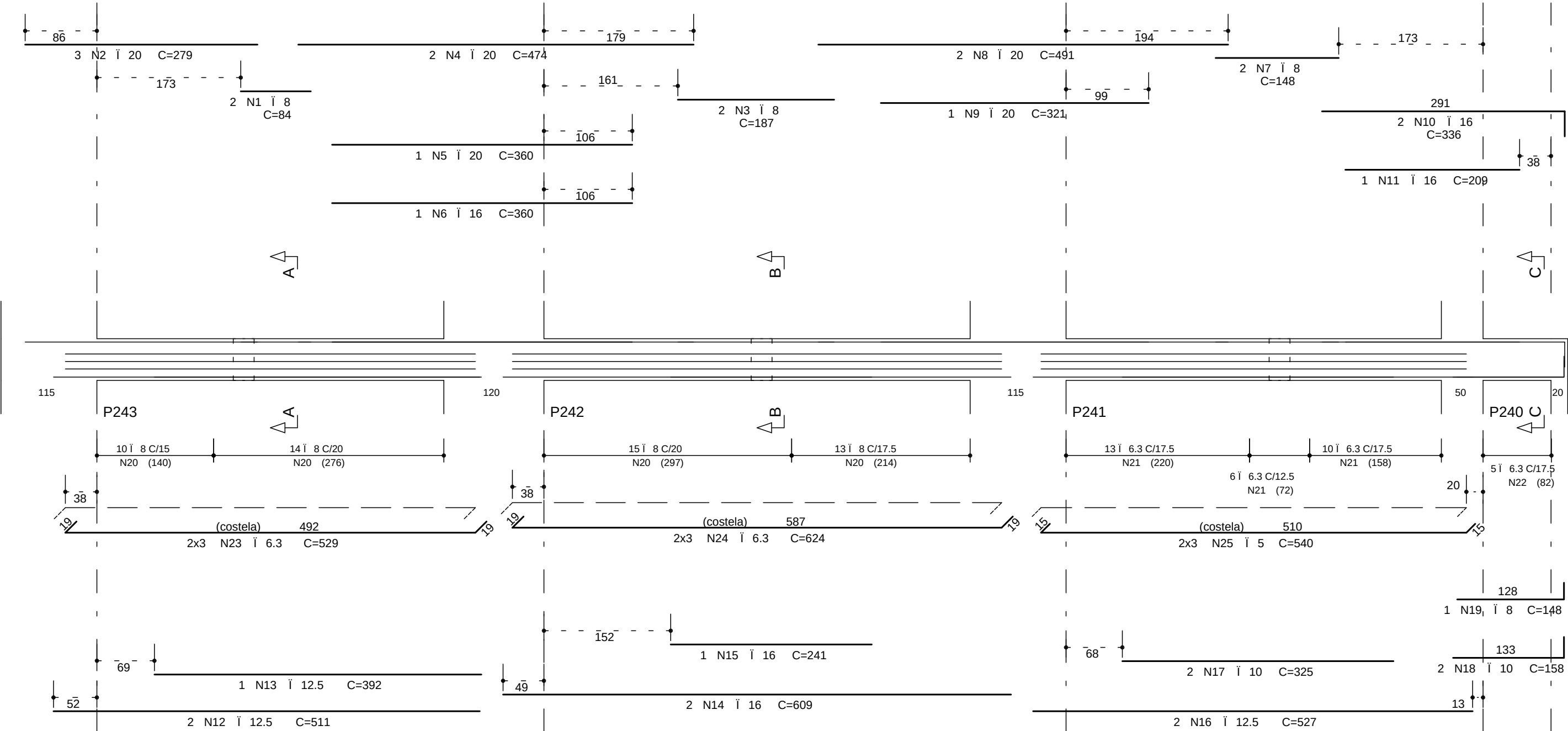


Corte A

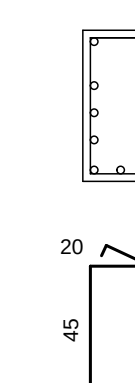


VRB309

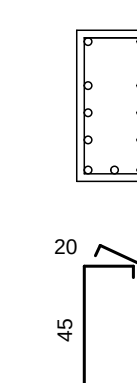
25/50



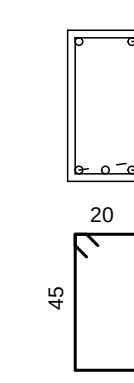
Corte A



Corte B

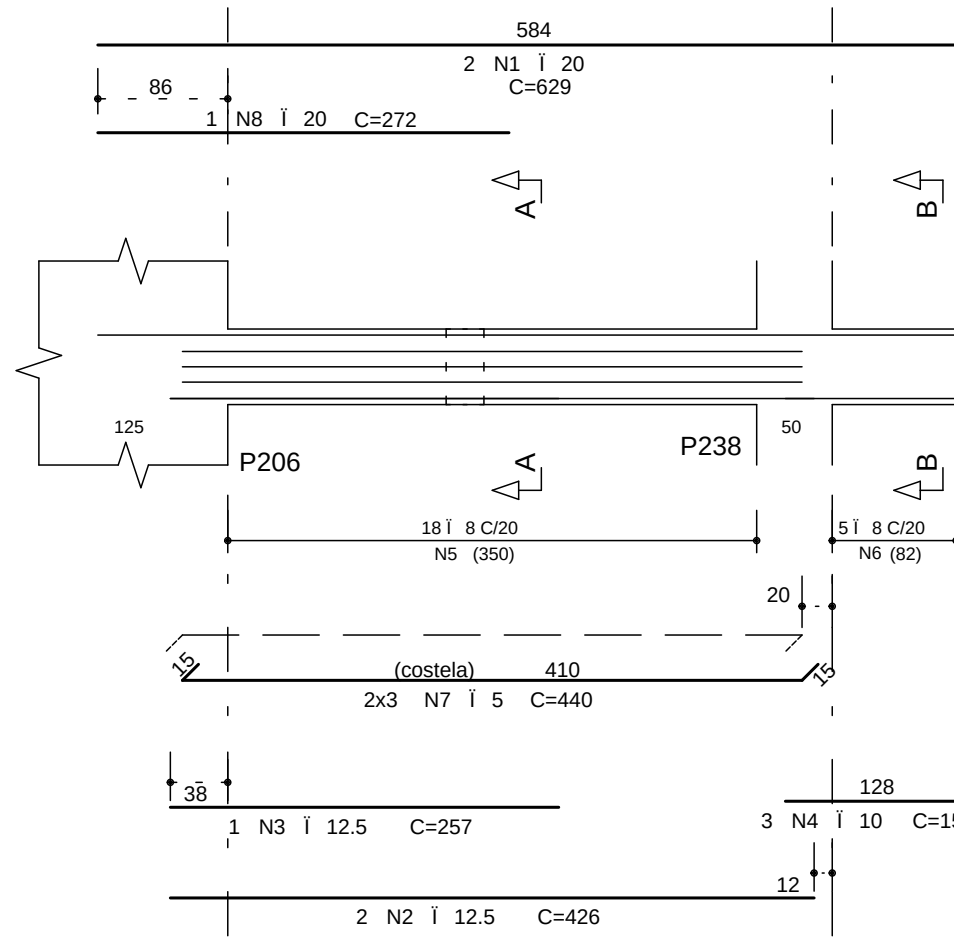


Corte C

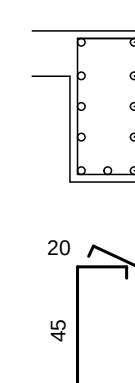


VBR307

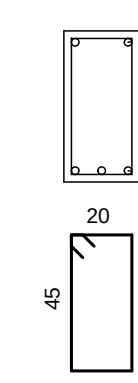
25/50



Corte A

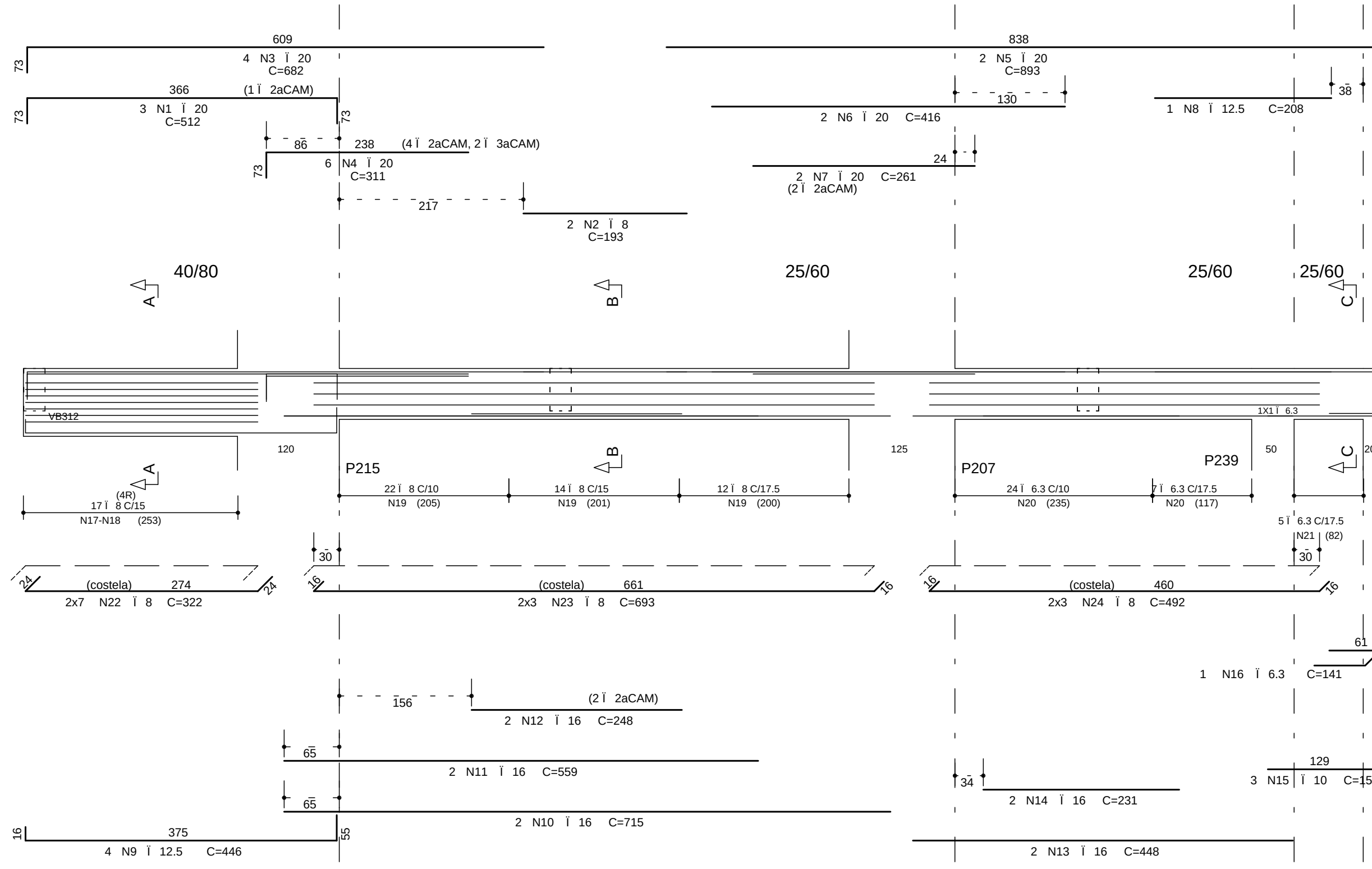


Corte B

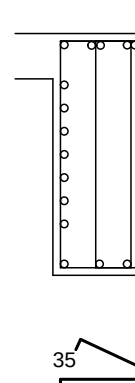


VBR308

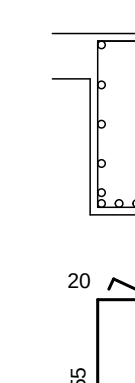
VAR/VAR



Corte A



Corte B

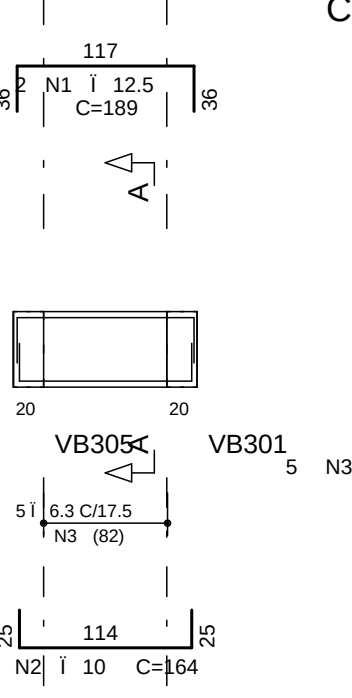


Corte C

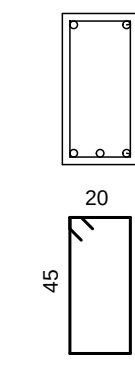


VTB301 A VTB305

25/50

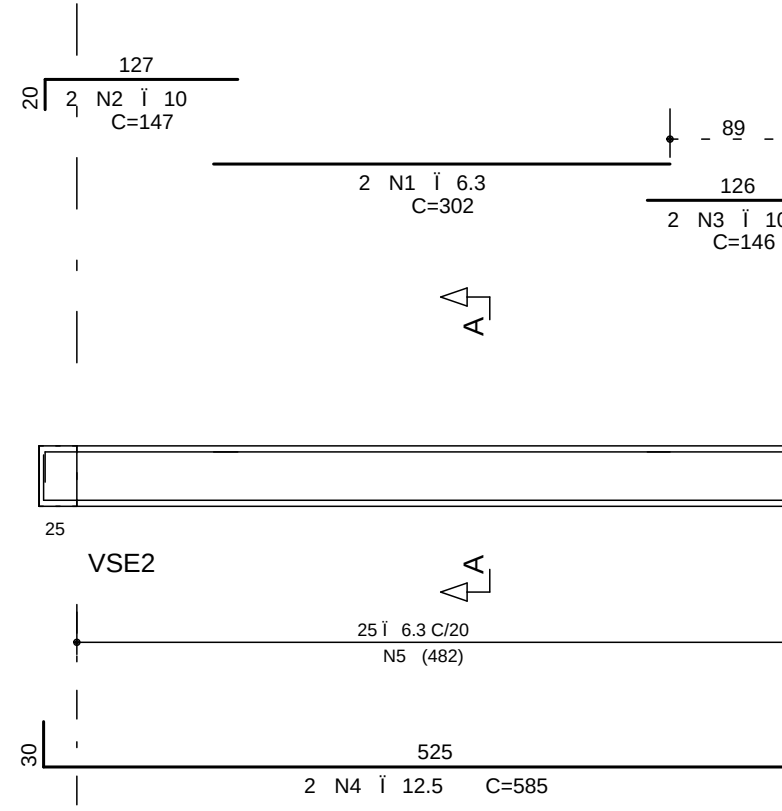


Corte A

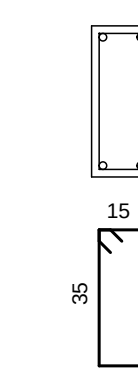


VSE1

20/40

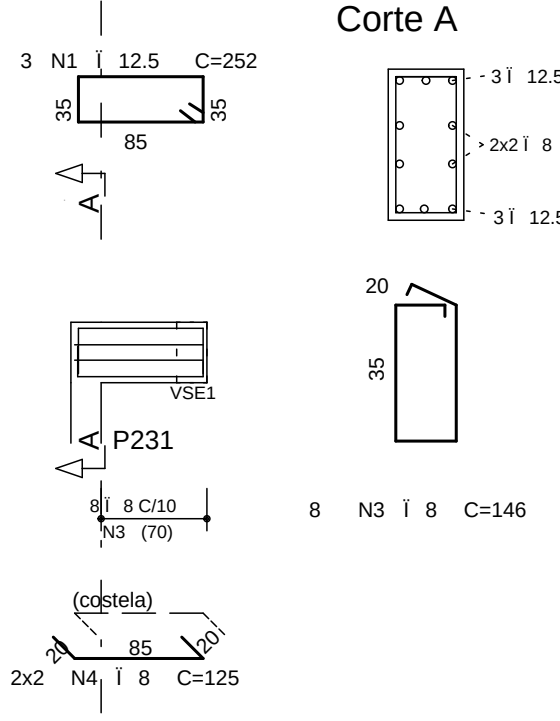


Corte A

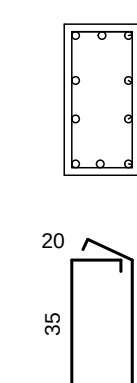


VSE2/VSE3

25/40



Corte A



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

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:

VBR306 A VBR309 e VTB301 A VTB305

FCK= 35 MPa

EC = 28 GPa

A/C = 0,65

(MODULO DE ELASTICIDADE SECANTE AOS 28 DIAS).

(FATOR AGUA CIMENTO)

2	21/08/2014	NUMERACAO FINAL
1	03/05/2012	ACRESCENTADO DET. VSE1 a VSE3
0	02/04/2012	EMISSAO INICIAL
REV.	DATA	DESCRICAO
 Simetria Engenharia SUA QUANTIA: AC N°13.544.201-1/01 BRASILIA/DF, CEP: 71200-040 FONE: (061) 336-9023 simetria@simetriaeng.br		
PROJETO ESTRUTURAL		
CLIENTE:	GENT INCORPORADORA LTDA	
OBRA:	ED. RESIDENCIAL/COMERCIAL PAINEIRAS	Nº OBRA: XXX
ENDERECO OBRA:	RUA 30 NORTE LOTE 03 - RUA DAS PAINEIRAS - AGUAS CLARAS DF	
DESCRICAO:	ARMACAO DAS VIGAS PISO DO TERREO TORRE 2 - JUNTA B (03/03)	
DESENHISTA:	DATA:	ESCALA:
TQS/ GUSTAVO	02/04/2012	1:50
ARQUIVO PLT:	478 -EST-BL2-	039-085 -R02 -VIG-PLT
PROPRIETARIO:	RESPONSAVEL TECNICO	
RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL		
SIMETRIA ENGENHARIA E PROJETOS SC LTDA CREA 27258/RP		