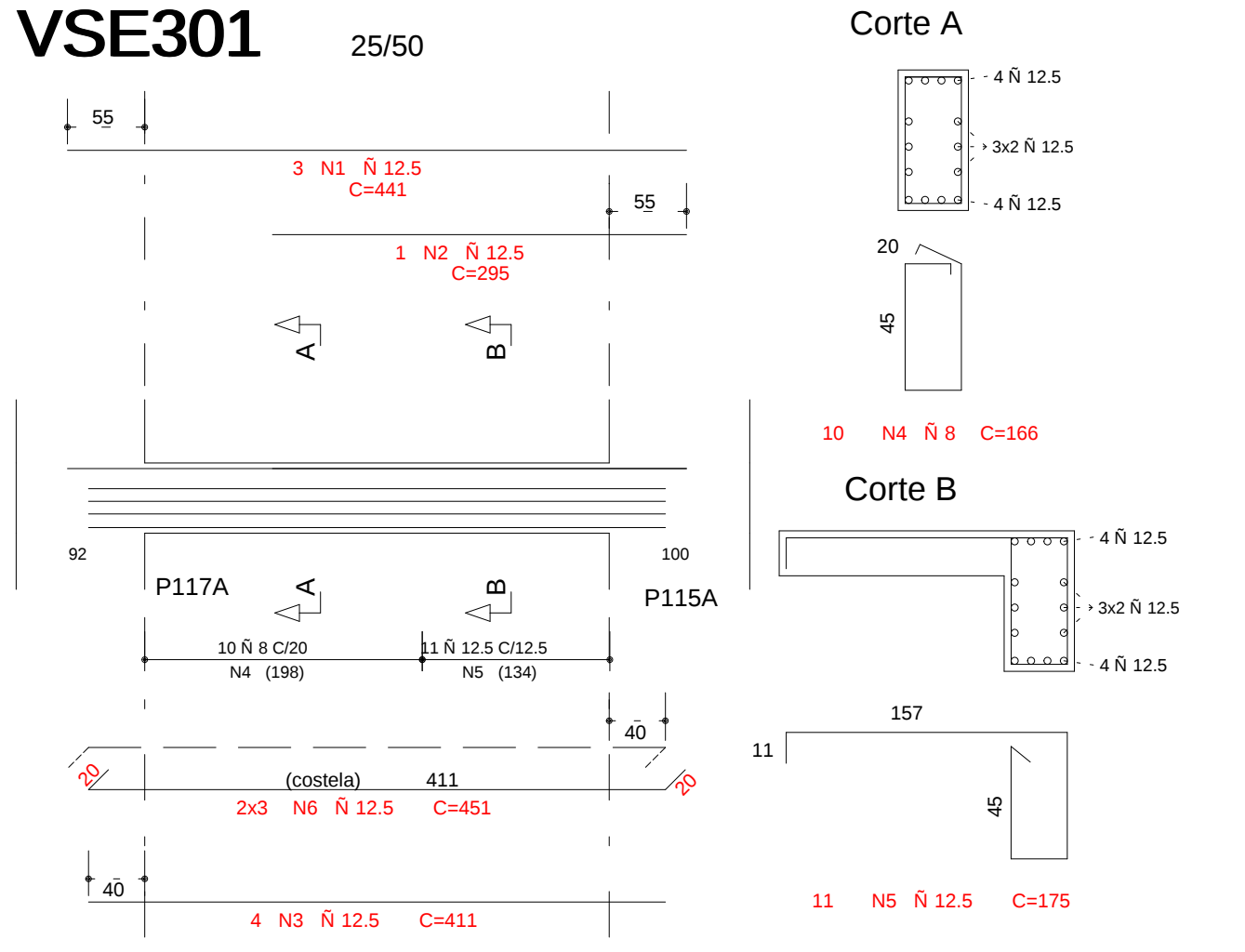
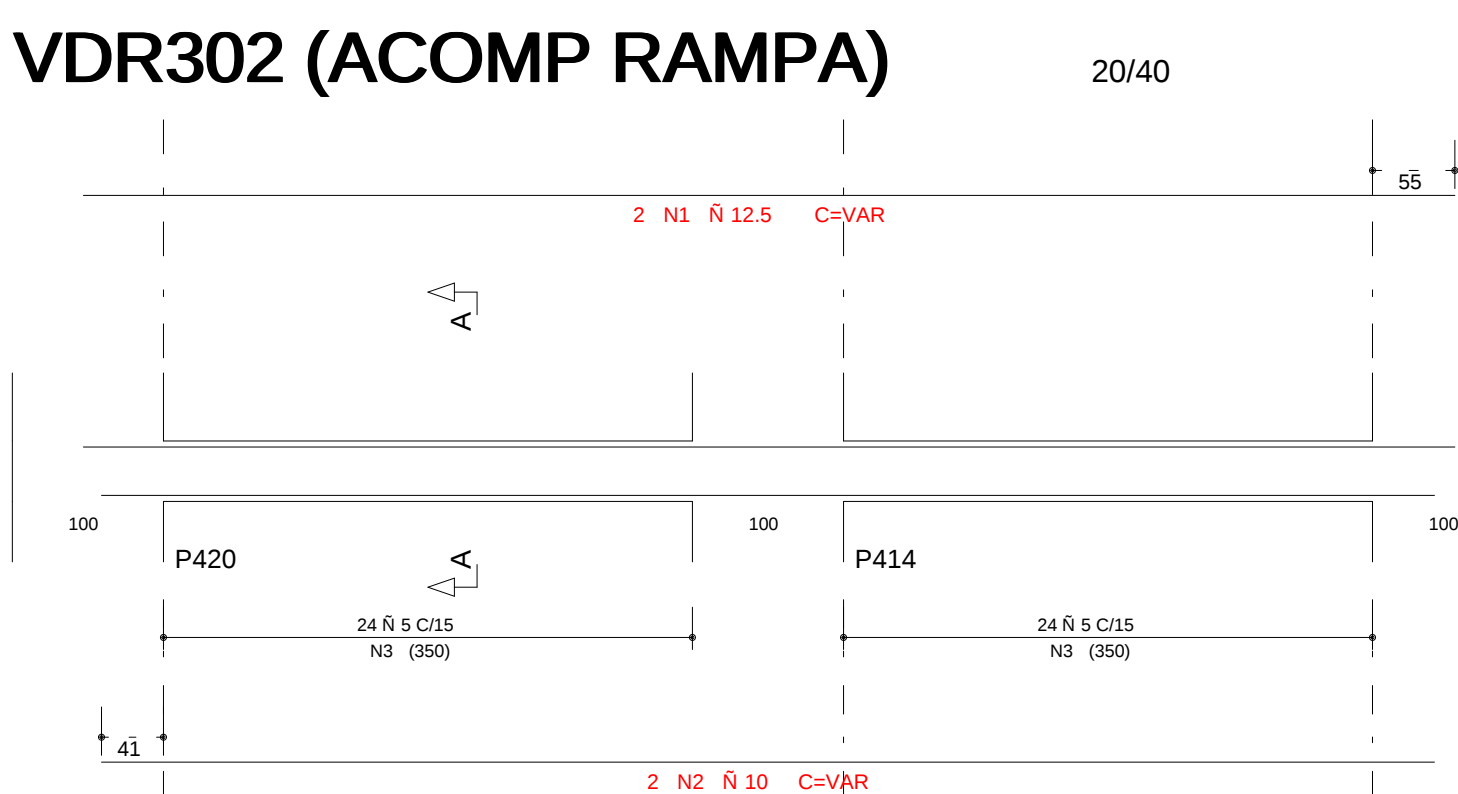
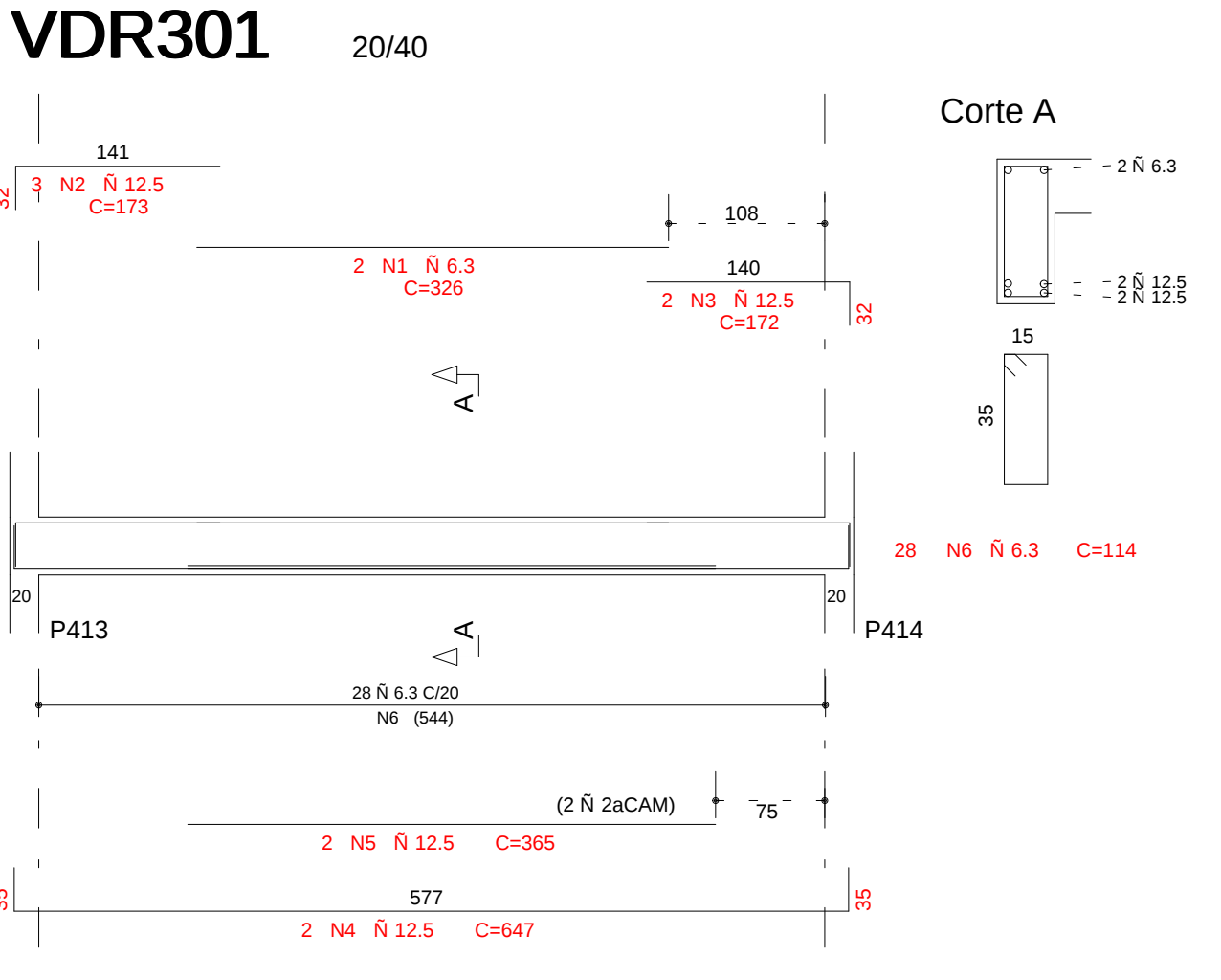
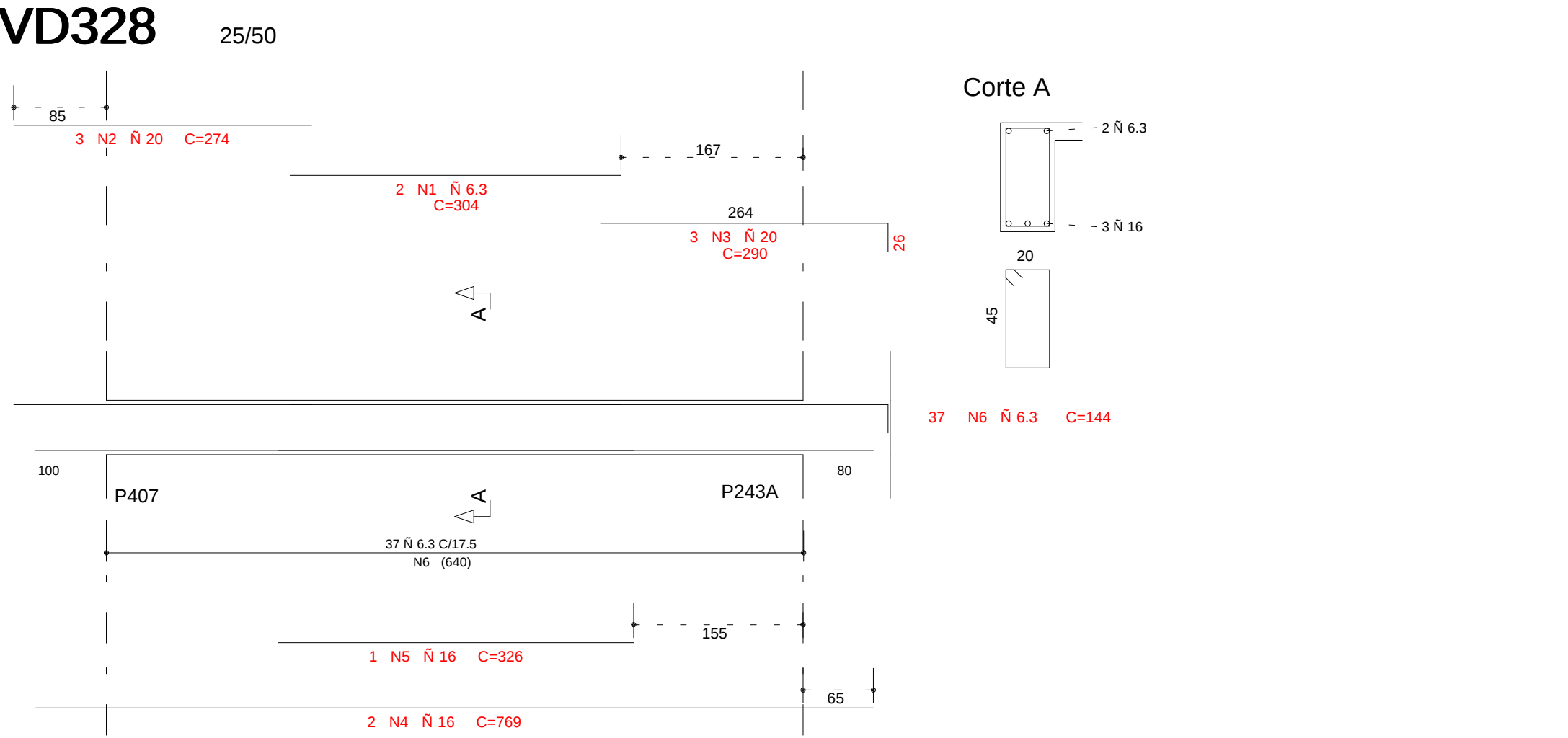
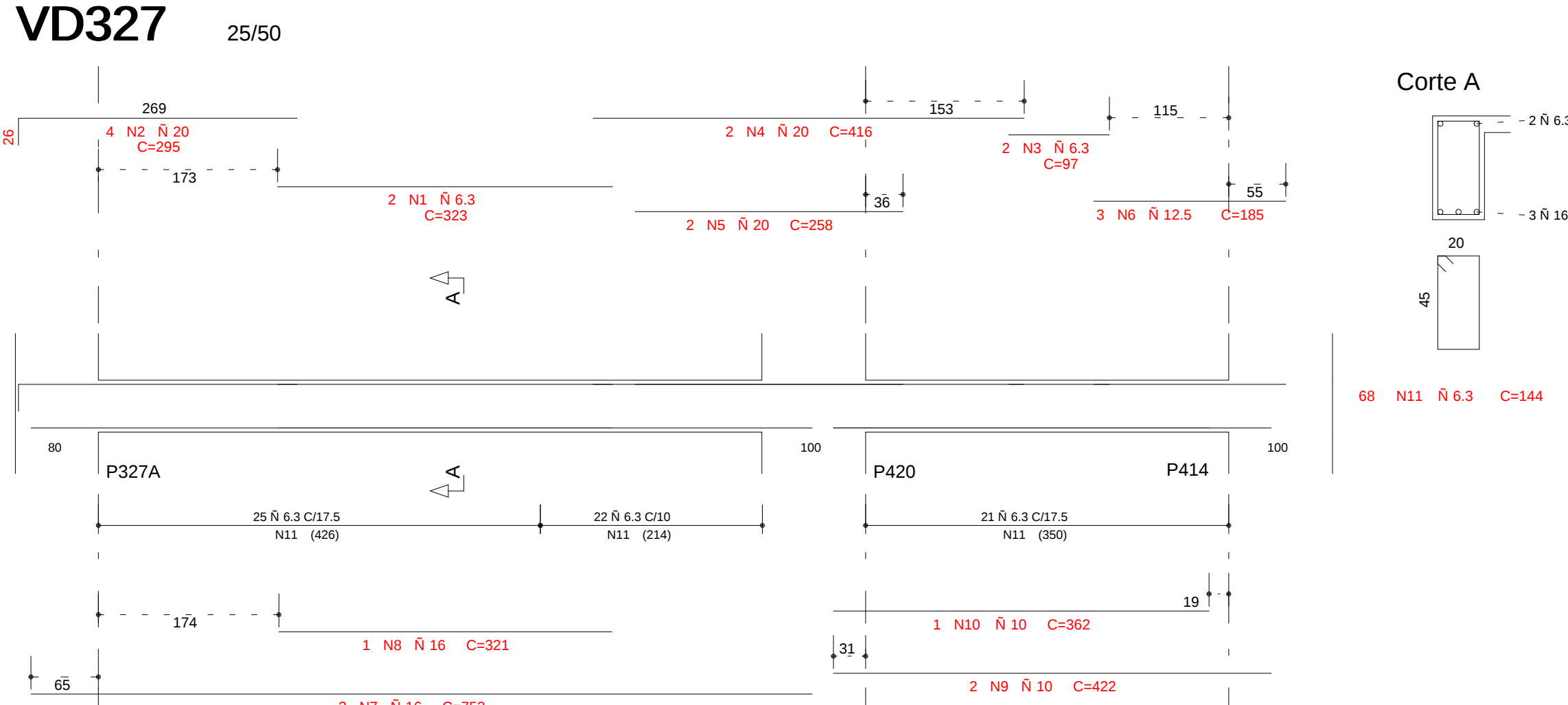
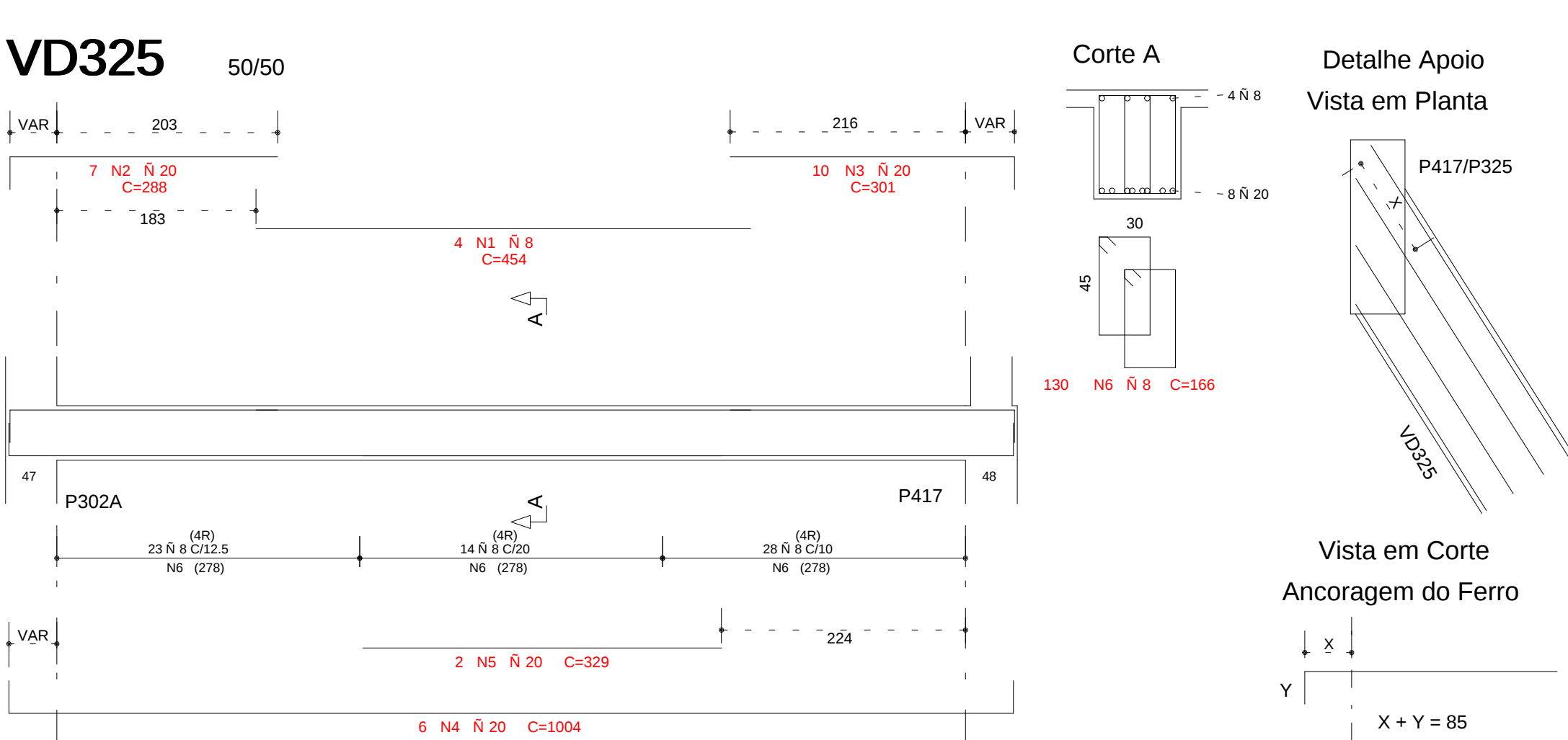
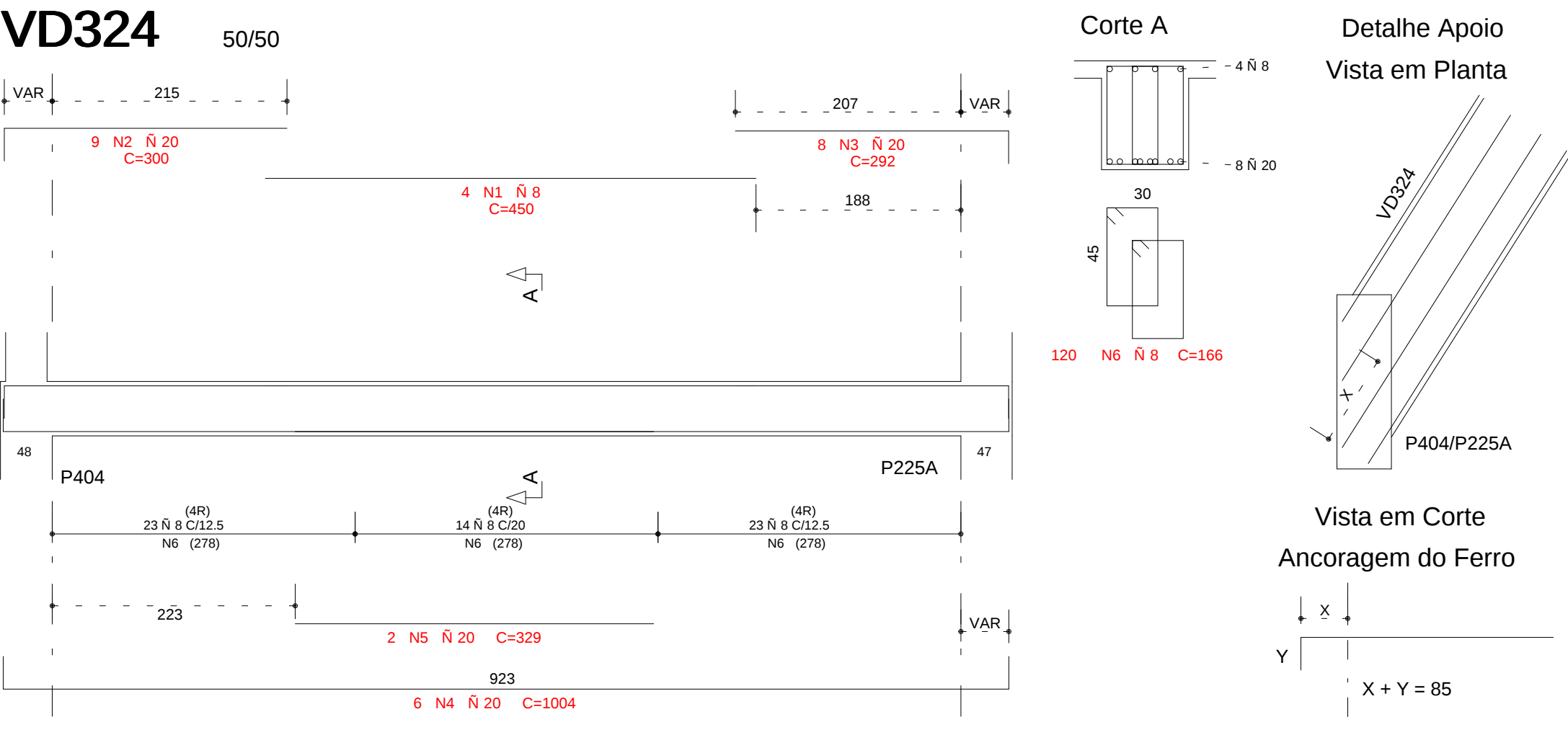
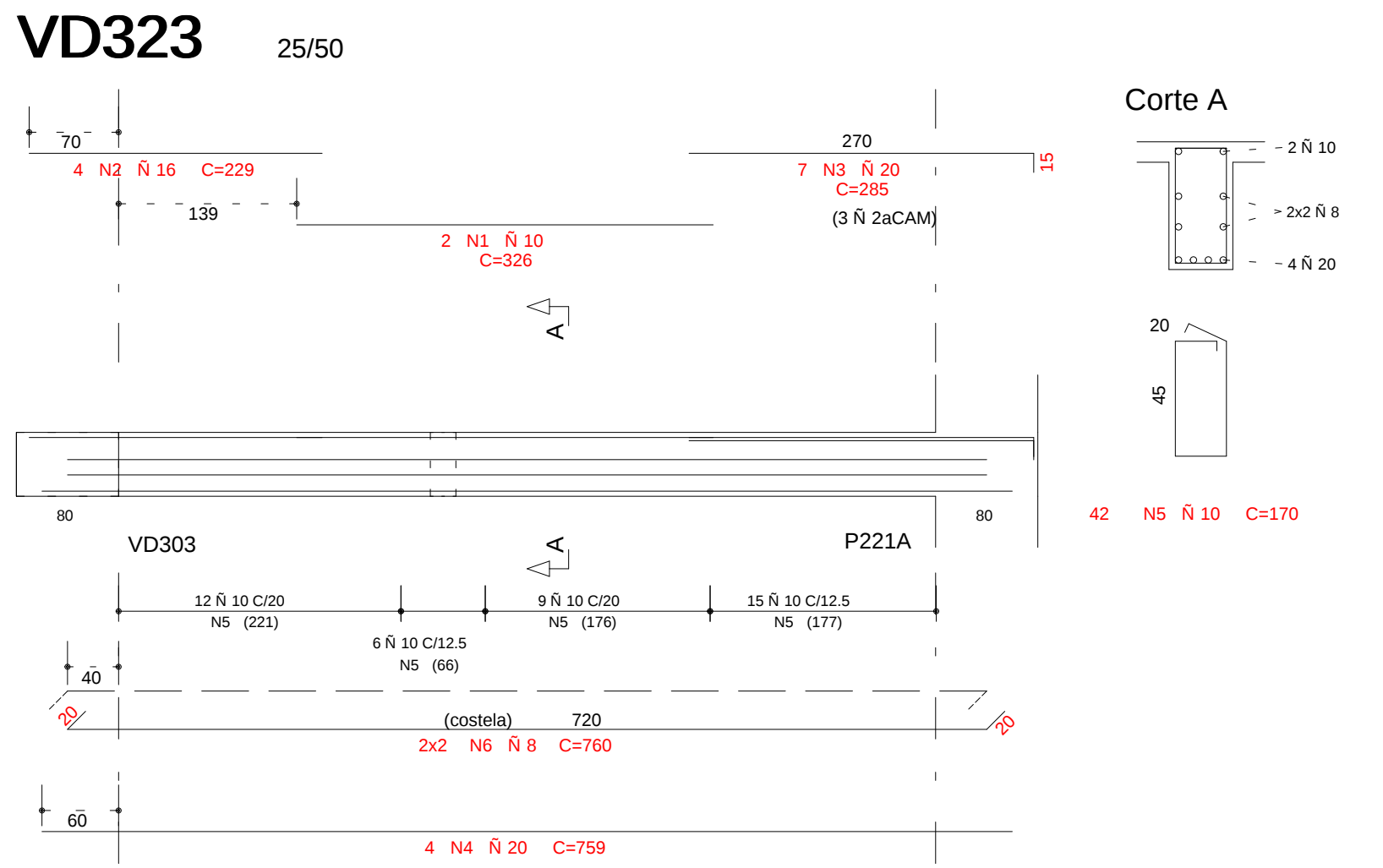
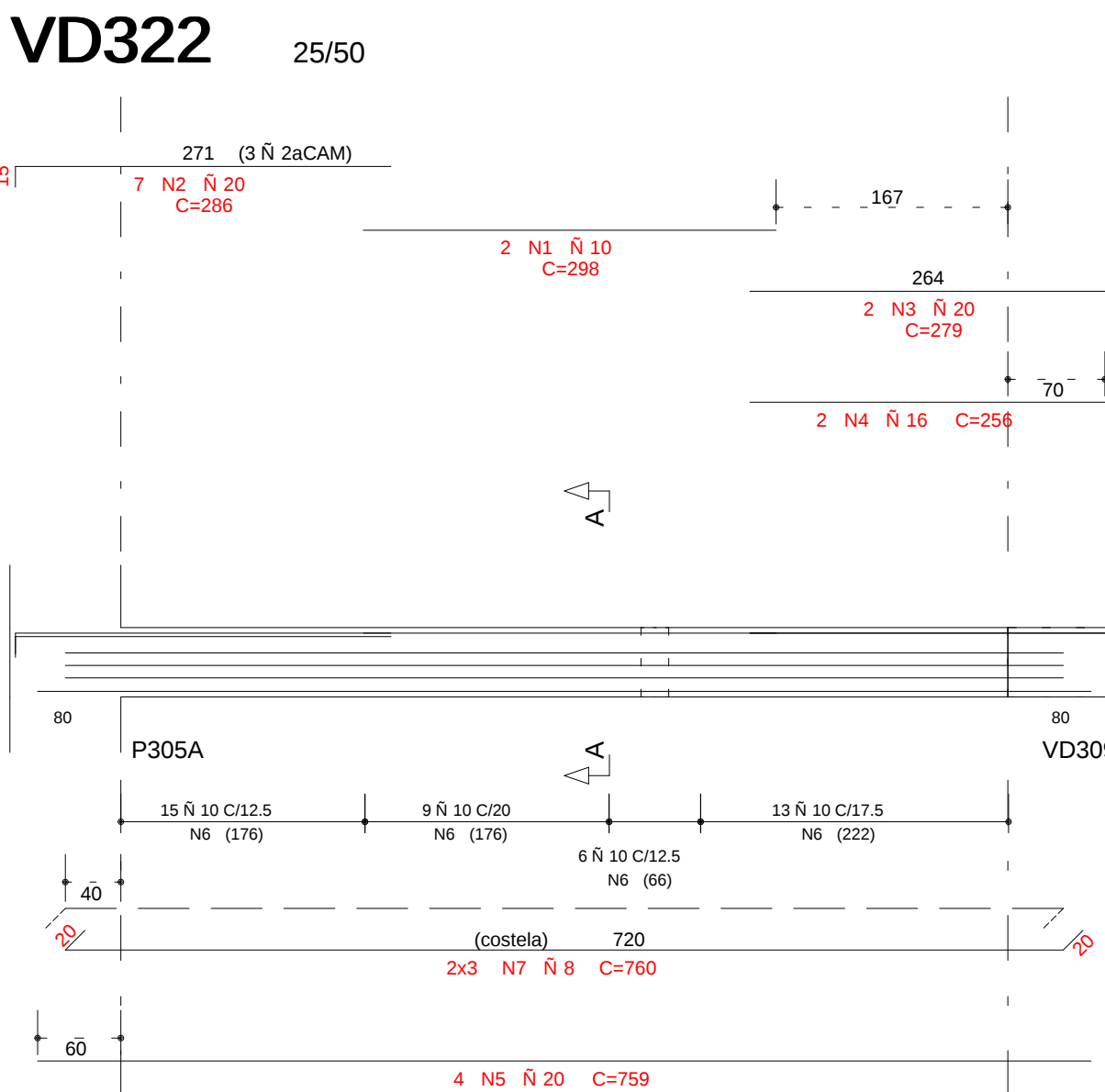
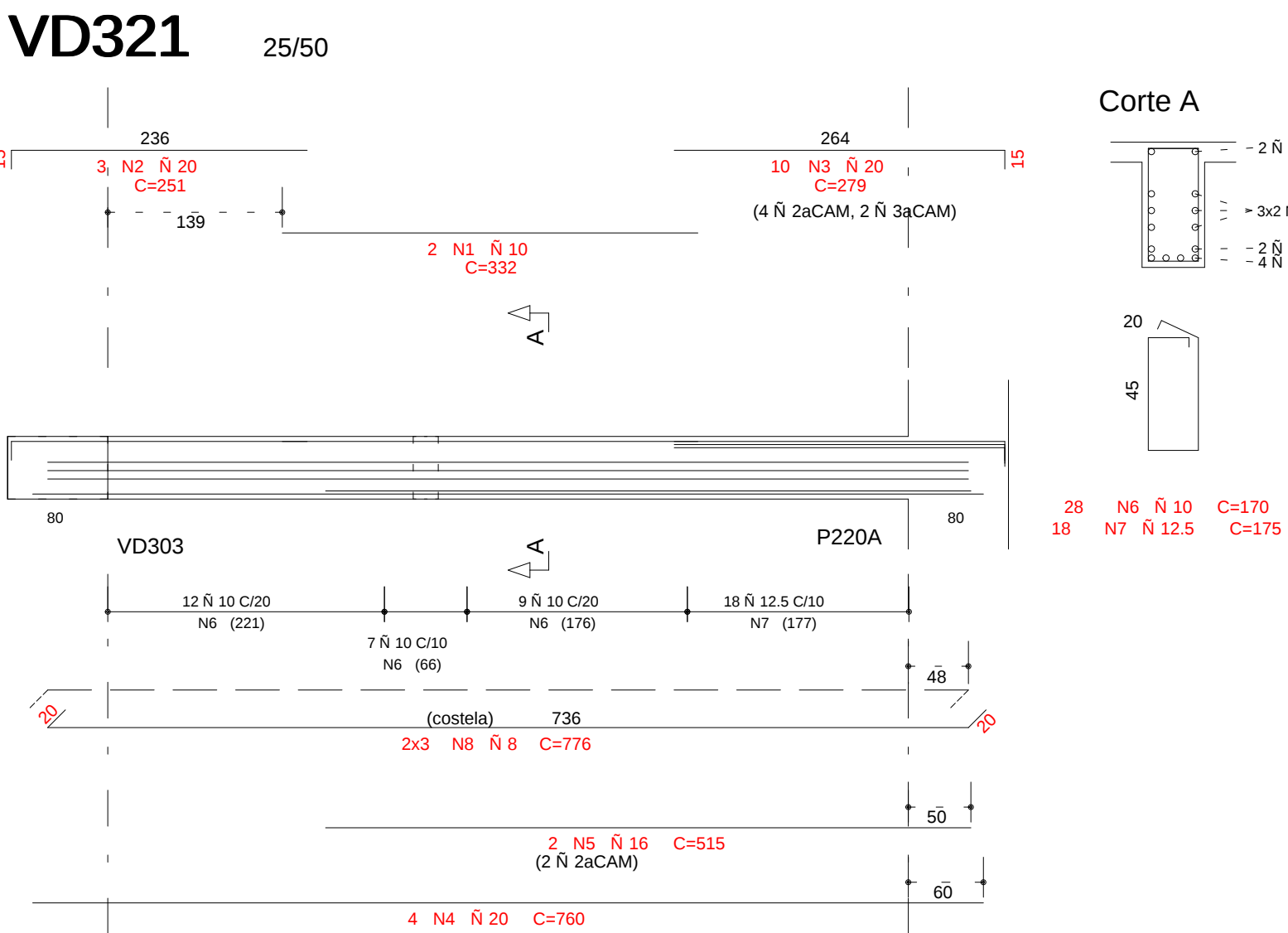
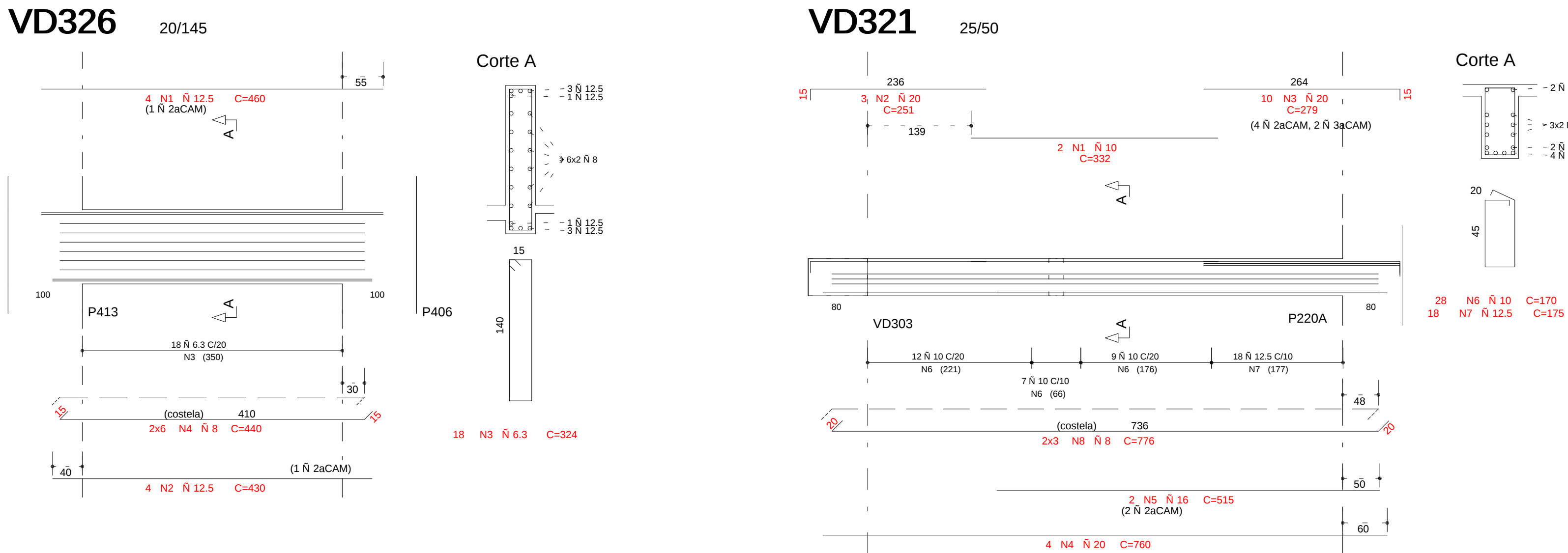
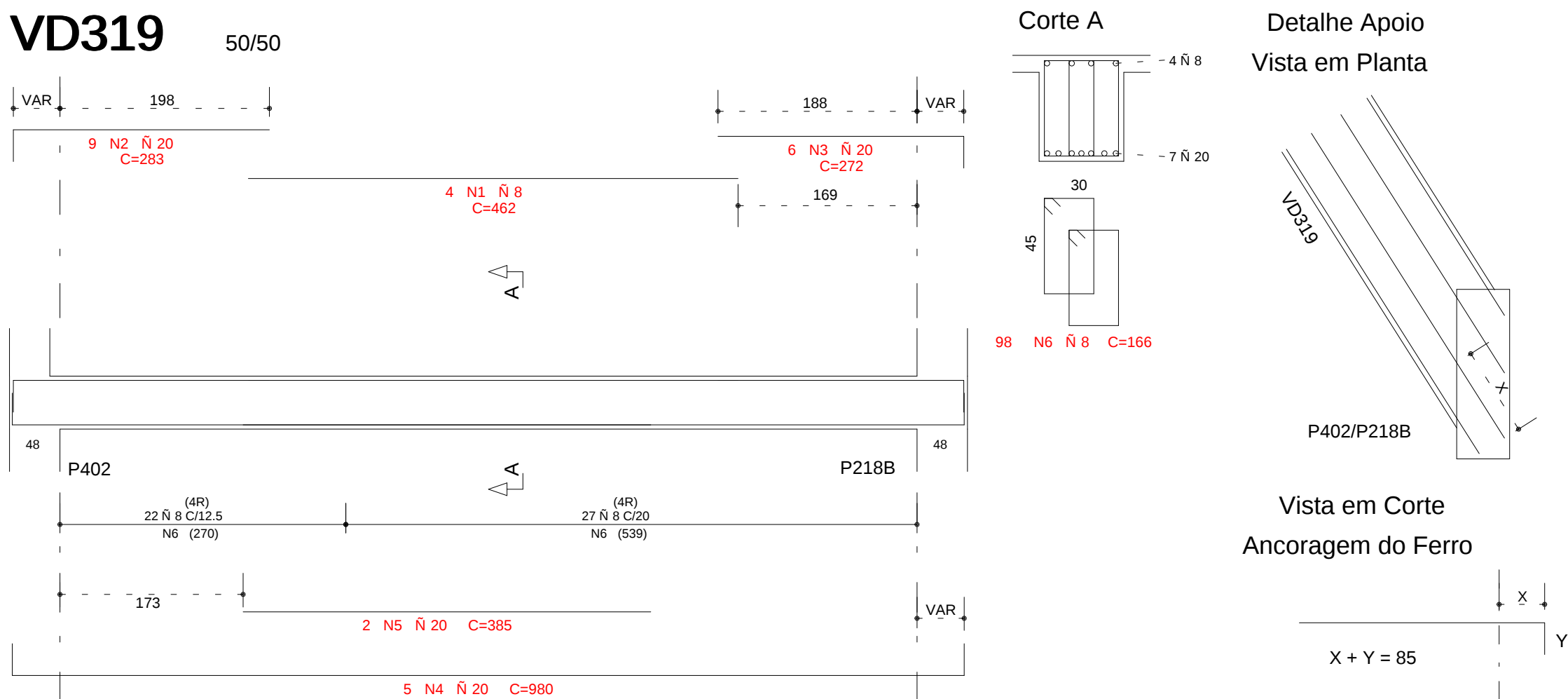
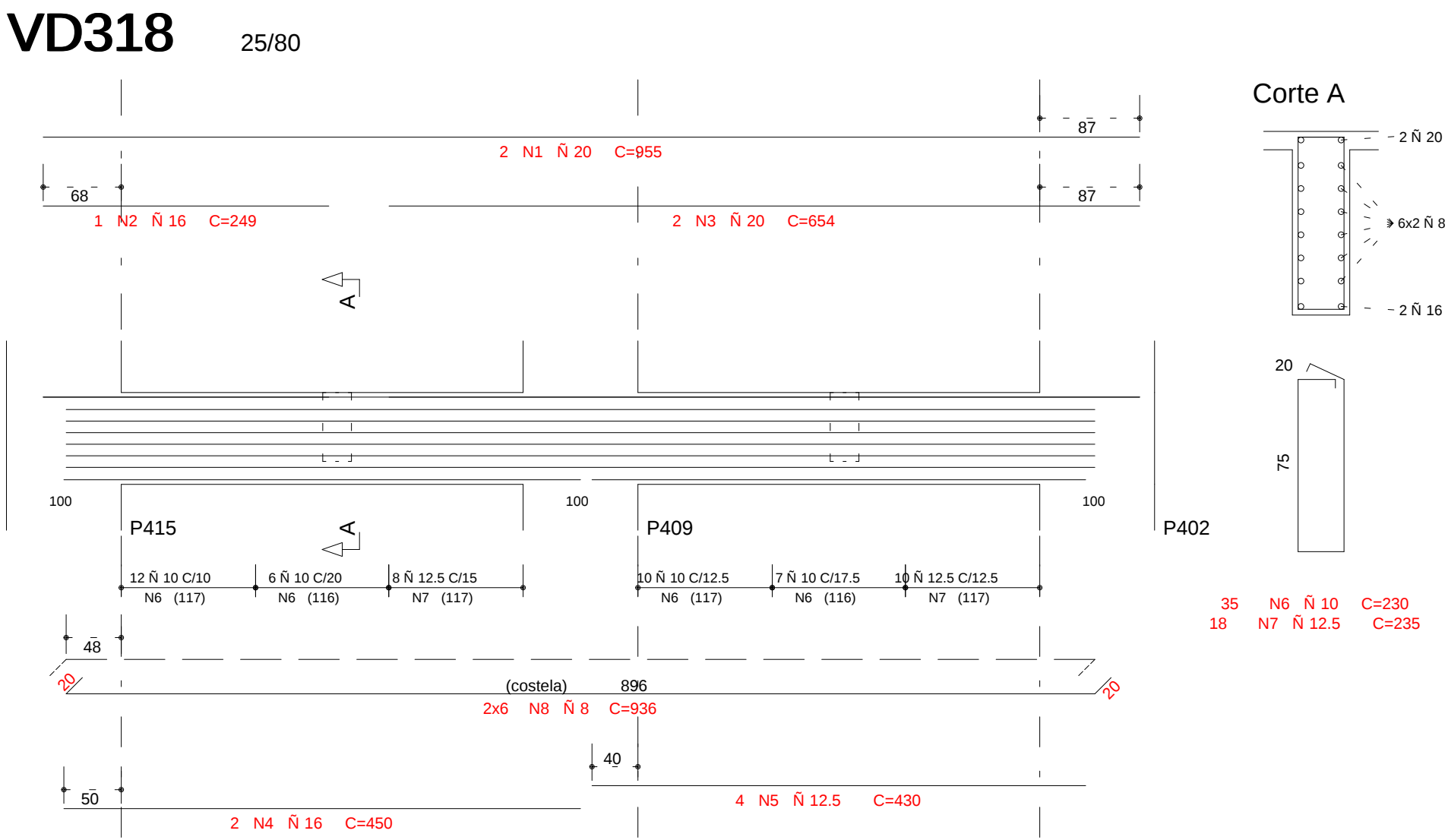
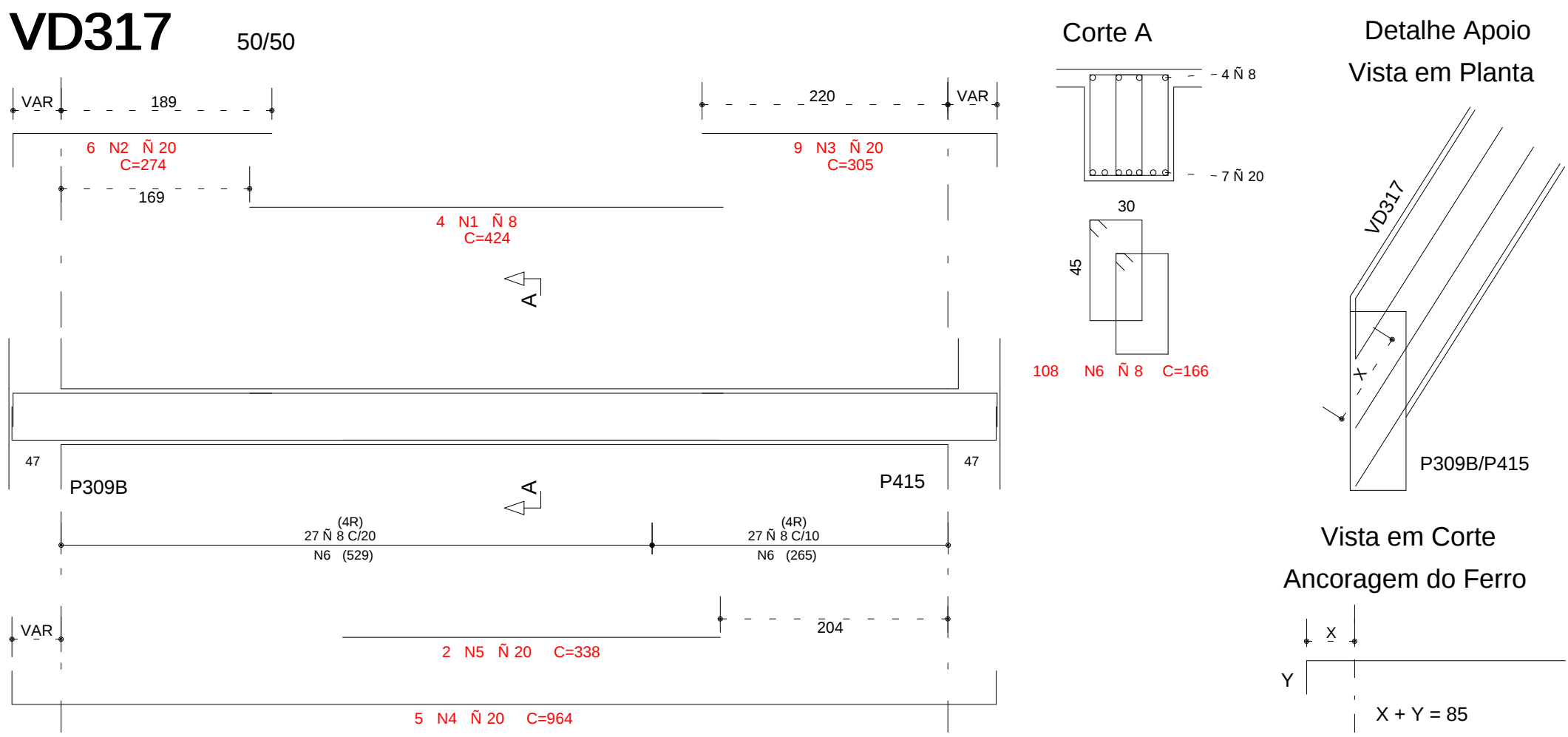




AE O	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
VD317					
90A	1	8	4	424	1696
90A	2	20	6	274	1644
90A	3	20	9	305	2745
90A	4	20	5	964	4820
90A	5	20	2	338	676
90A	6	8	109	166	17951
VD318					
90A	1	20	2	955	1910
90A	2	16	1	249	249
90A	3	12.5	4	654	1308
90A	4	16	2	450	900
90A	5	12.5	4	430	1720
90A	6	10	35	230	8050
90A	7	12.5	18	235	4230
90A	8	8	12	936	11232
VD319					
90A	1	8	4	462	1848
90A	2	20	9	293	2647
90A	3	20	6	272	1632
90A	4	20	5	980	4900
90A	5	20	2	385	770
90A	6	8	165	165	16500
VD321					
90A	1	10	2	332	664
90A	2	20	3	251	753
90A	3	20	7	270	1710
90A	4	20	4	760	3040
90A	5	20	2	515	1030
90A	6	10	28	170	4760
90A	7	12.5	18	176	3168
90A	8	8	6	776	4656
VD322					
90A	1	10	2	298	596
90A	2	20	2	279	558
90A	3	20	2	279	558
90A	4	20	2	279	558
90A	5	20	4	759	3036
90A	6	10	43	179	7713
90A	7	8	6	760	4560
VD323					
90A	1	10	2	326	652
90A	2	16	4	229	916
90A	3	20	7	285	1595
90A	4	20	4	759	3036
90A	5	10	42	170	7140
90A	6	8	4	760	3040
VD324					
90A	1	8	4	450	1800
90A	2	20	9	350	3150
90A	3	20	8	292	2336
90A	4	20	6	1004	6024
90A	5	20	2	329	658
90A	6	8	170	166	19021
VD325					
90A	1	8	4	454	1816
90A	2	20	7	288	2016
90A	3	20	10	301	3010
90A	4	20	6	1004	6024
90A	5	20	2	329	658
90A	6	8	130	166	21580
VD326					
90A	1	12.5	4	460	1840
90A	2	20	9	293	2647
90A	3	6.3	18	324	5832
90A	4	8	12	480	5760
VD327					
90A	1	6.3	2	323	646
90A	2	20	4	295	1180
90A	3	6.3	2	87	174
90A	4	20	2	416	832
90A	5	20	2	258	516
90A	6	12.5	3	185	555
90A	7	16	2	753	1506
90A	8	16	1	321	321
90A	9	10	2	432	864
90A	10	10	1	362	362
90A	11	6.3	68	144	9792
VD328					
90A	1	6.3	2	324	648
90A	2	20	3	274	822
90A	3	20	9	288	2592
90A	4	16	2	769	1538
90A	5	16	1	398	398
90A	6	6.3	37	144	5328
VDR301					
90A	1	6.3	2	326	652
90A	2	12.5	3	171	513
90A	3	12.5	2	172	344
90A	4	12.5	2	647	1294
90A	5	12.5	2	366	730
90A	6	6.3	28	114	3192
VDR302 (ACOMP RAMPA)					
90A	1	10.5	2	-VAR	1816
90B	3	5	48	114	5472
VSE301					
90A	1	12.5	3	441	1323
90A	2	12.5	4	411	1644
90A	3	12.5	10	166	1660
90A	4	12.5	11	175	1925
90A	5	12.5	6	451	2706

AE O	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	9	9
90A	6.3	262	46
90A	8	1139	453
90A	10	321	202
90A	12.5	258	258
90A	16	73	117
90A	20	678	1695
Peso Total	60B =		9 kg
Peso Total	90A =		2791 kg

COBRIMENTO DA ARMADURA:

- VIGAS E PILARES = 2.5 cm
- BLOCOS,BALDRAMES E CONTENEDORES (FACE EM CONTATO COM A TERRA) = 3.0 cm
- ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.

COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESENHOS DE FORMAS E/OU FERRAMENTAS.

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:

VD317 A VD319, VD321 A VD328, VDR301, VDR302 E
VSE301

FCK= 35 MPa		EC = 28 GPa		(MODULO DE ELASTICIDADE SECANTE AOS 28 DIAS)	
A/C = 0,65		(FATOR AGUA CIMENTO)			
3	02/09/2014	NUMERACAO FINAL			
2	07/05/2013	ALTERAR 1 - O: VD321 A VD323			
1	26/02/2013	ALTERAR 0: VD323 A VD323			
0	26/02/2013	EMISSAO INICIAL			
REV	DATA	DESCRICAO			
					
PROJETO ESTRUTURAL					
CLIENTE: GENT INCORPORADORA LTDA.					
OBRA: ED. RESIDENCIAL/COMERCIAL PAINEIRAS					
ENGENHEIRO/OBRA: RUA 30 NORTE LOTE 03 - RUA DAS PAINEIRAS - AGUAS CLARAS DE					
PROPOSTO: ARMACAO DAS VIGAS - EMBASAMENTO - JUNTA D TERREO (02/02)					
RESPONSAB: BL4 023-052					
RESPONSAB: TQS/ PRISCILLA					
DATA: 26/02/2013					
ESCALA: 1:50					
UNIDADE: CM					
ARQUIVO: P.L.T.					
PROPRIETARIO: 478 - EST-BL4- 023-052 - R03 -VIG-PLT					
RESPONSAB: RESPONSABEL TECNICO					
RESPONSABEL TECNICO PELO PROJETO ESTRUTURAL:					
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA					
CNPJ: 17.039.978					