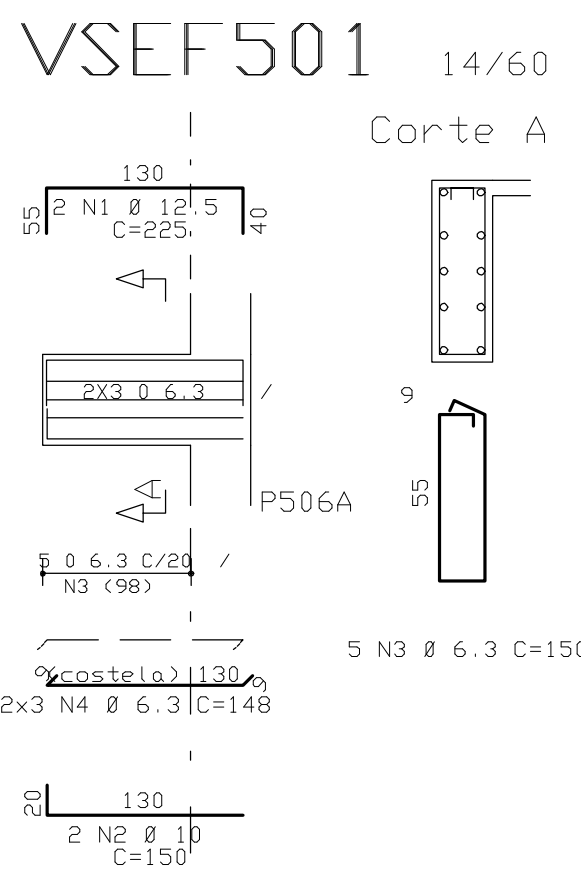
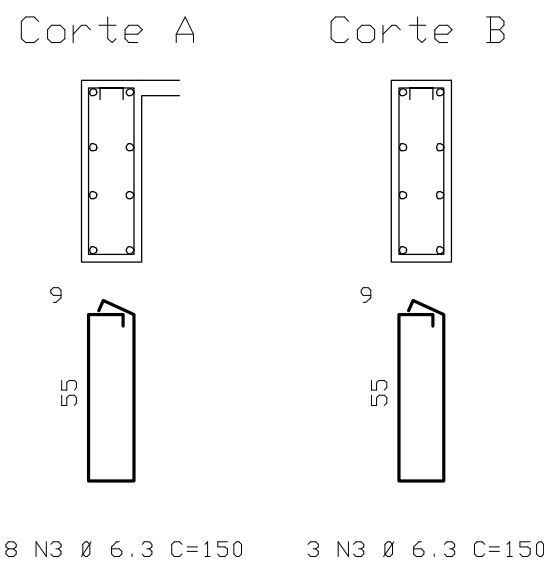
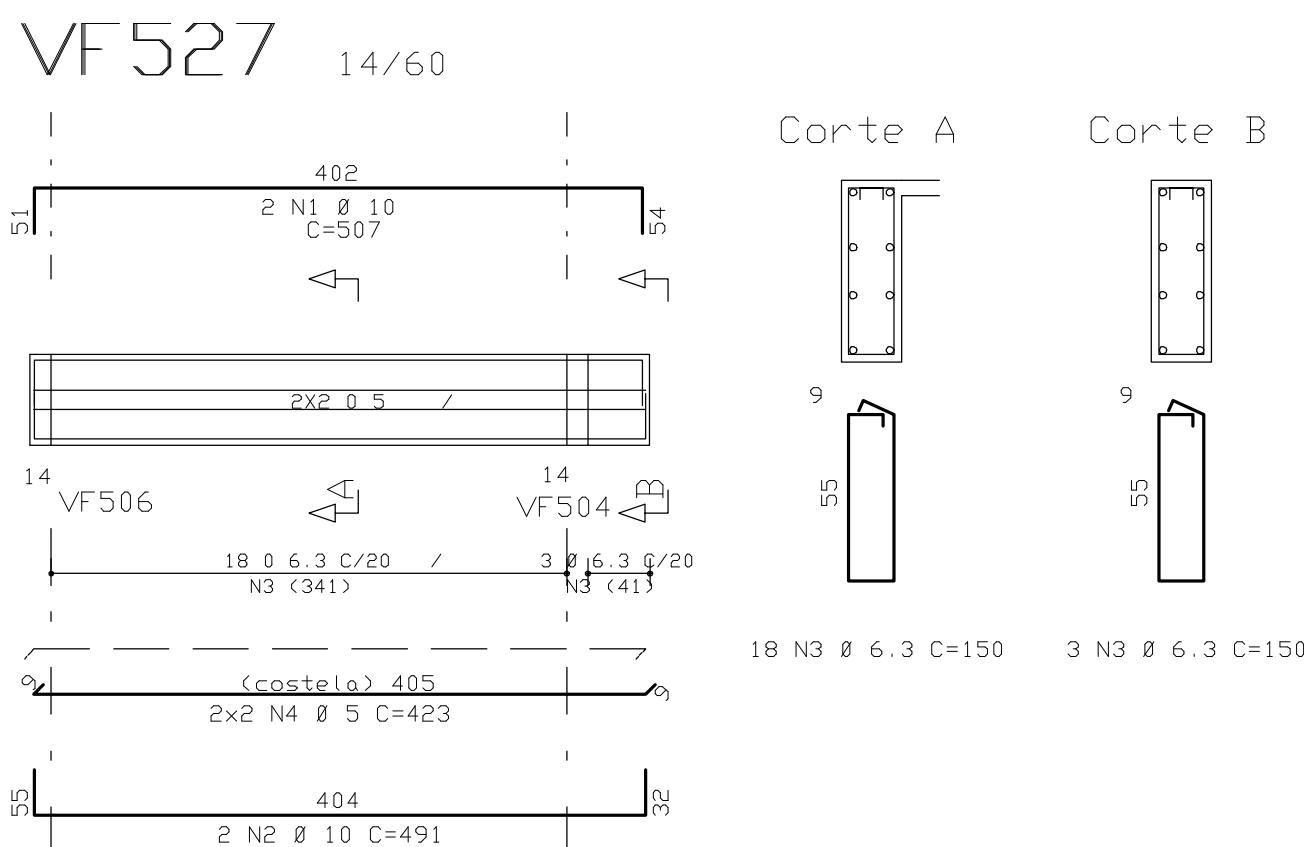
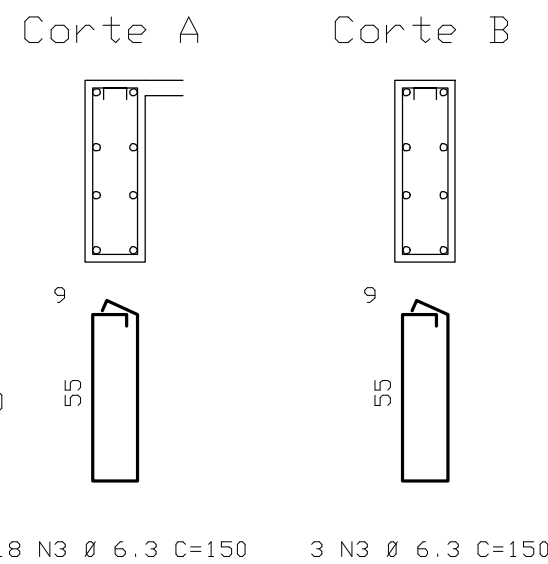
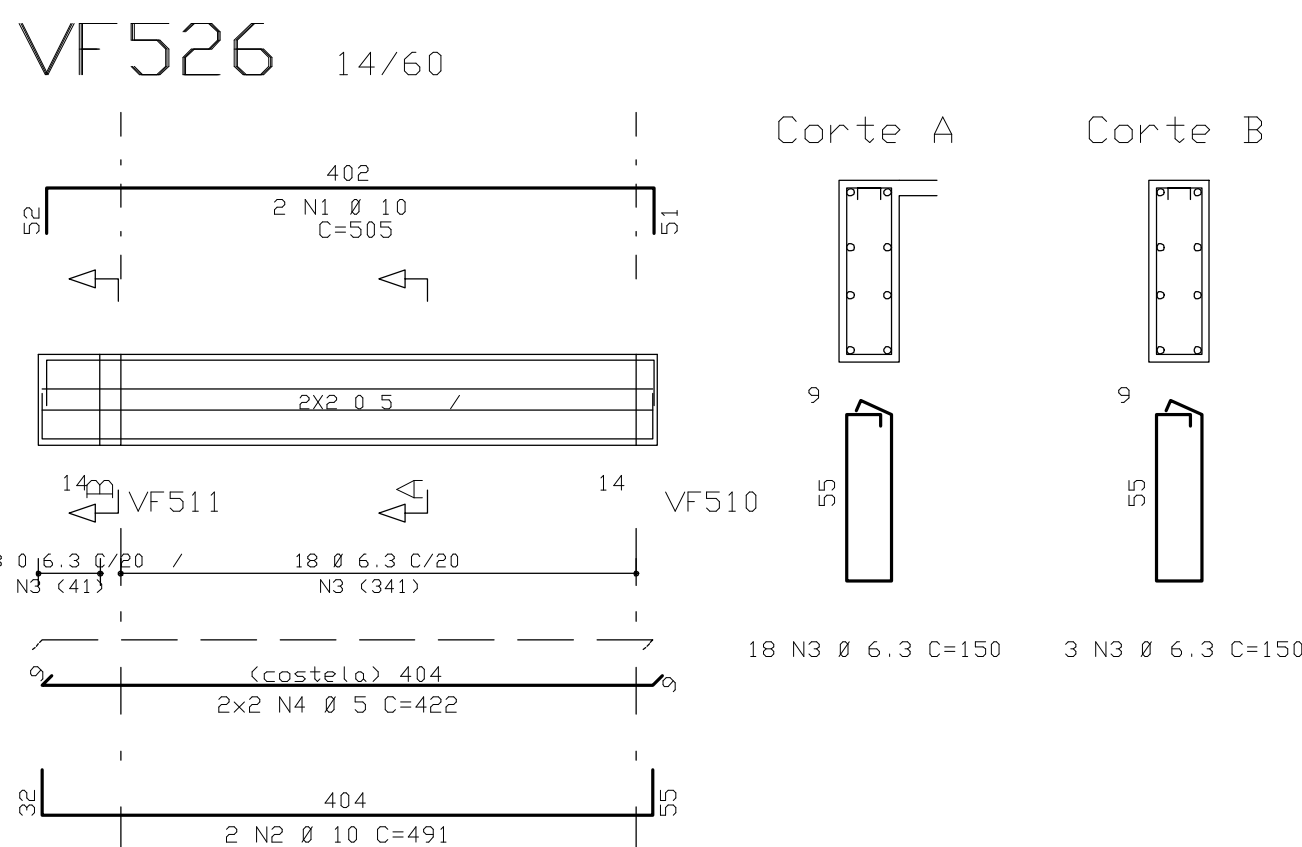
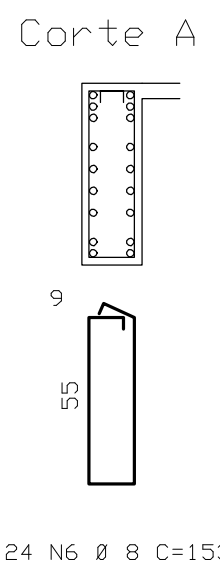
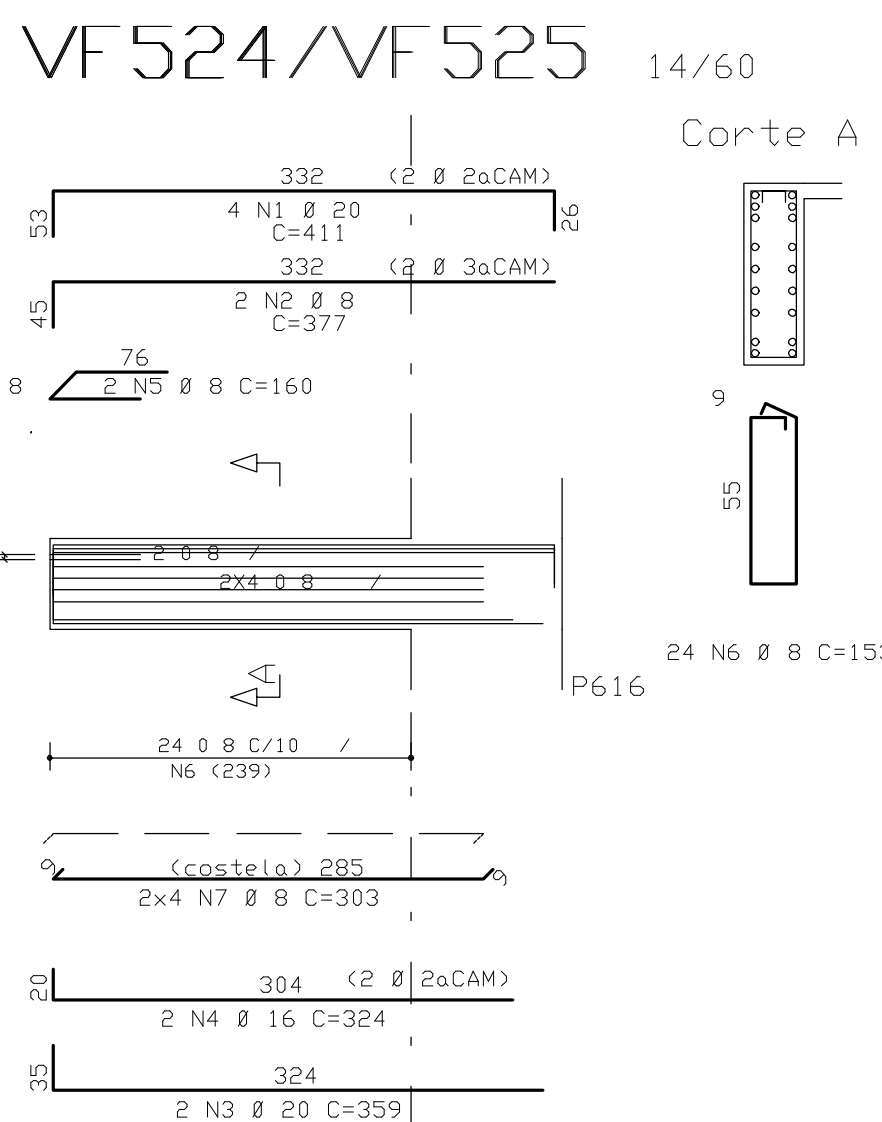
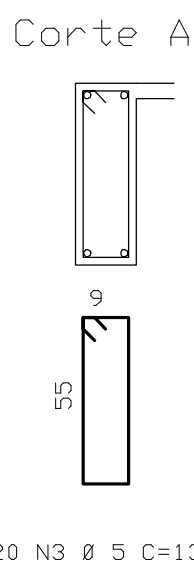
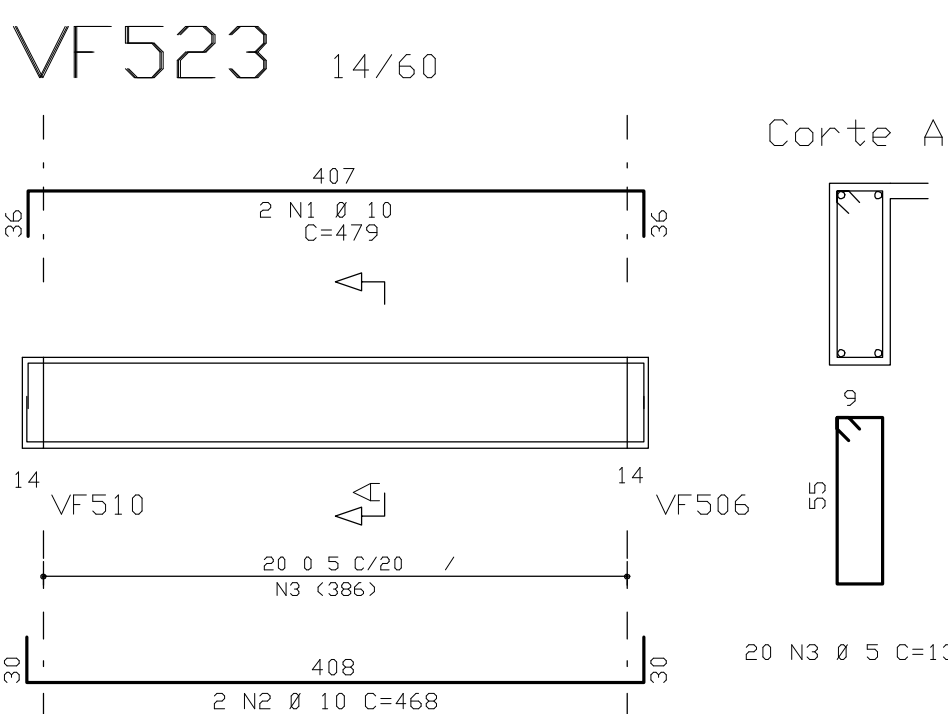
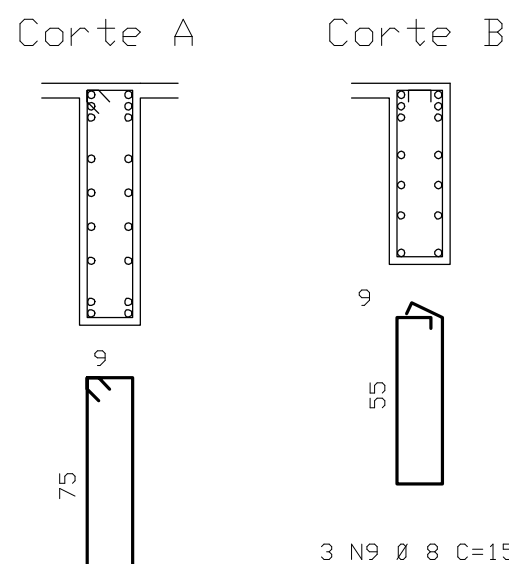
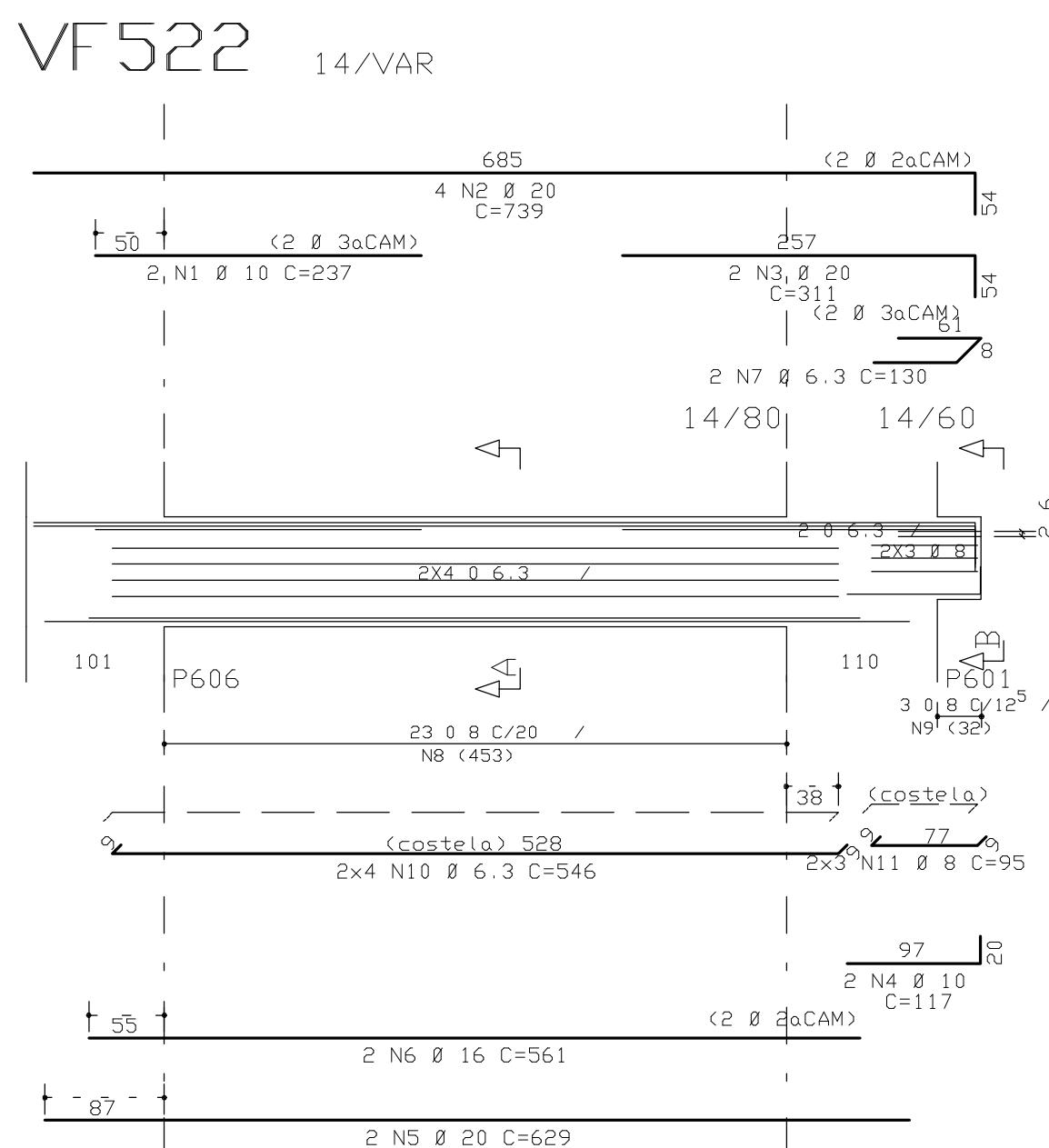
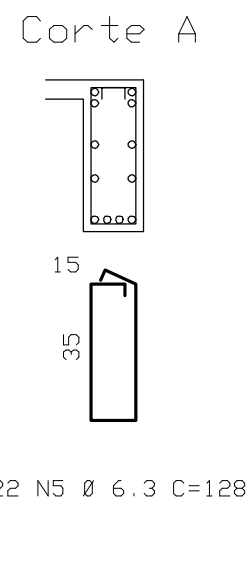
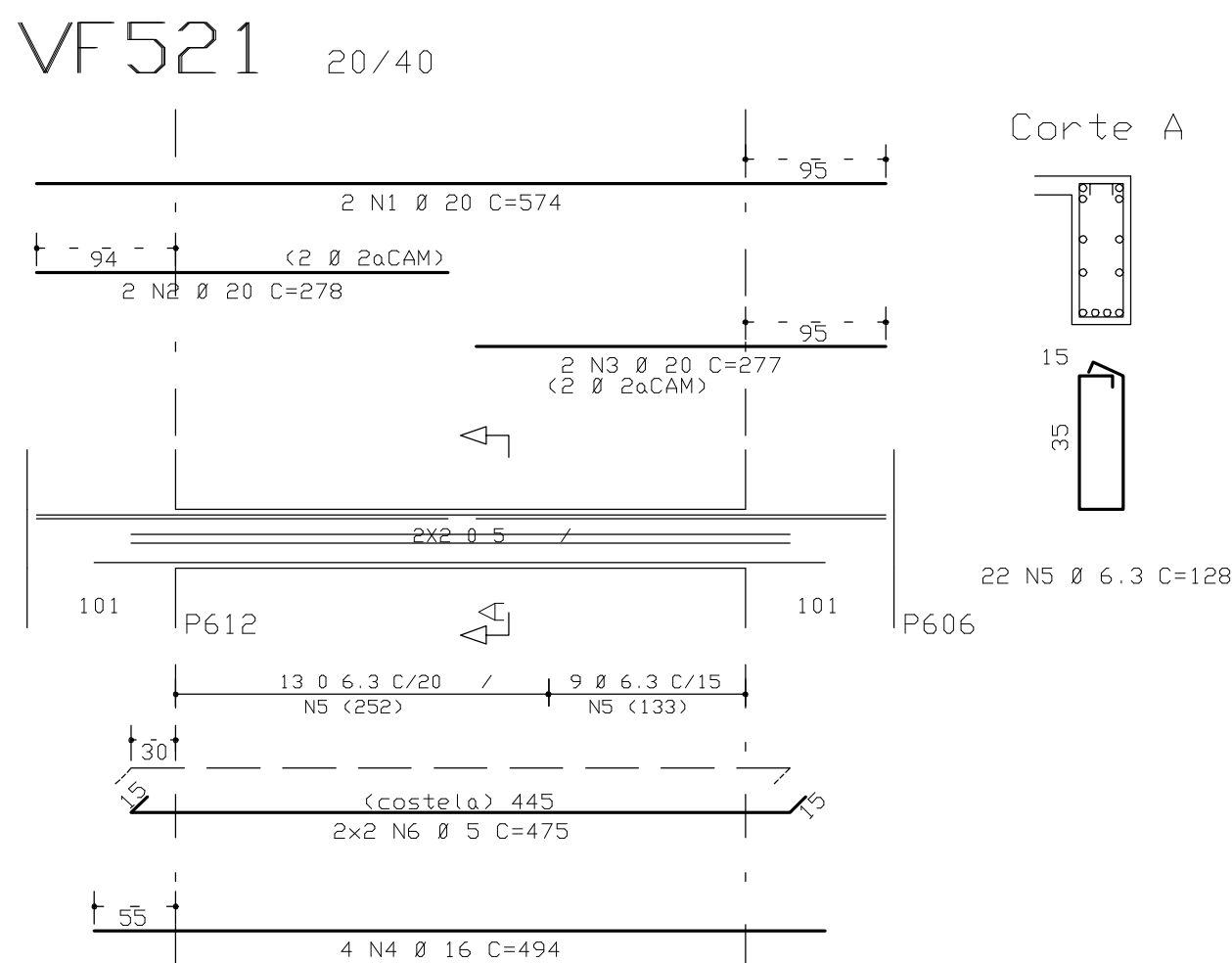
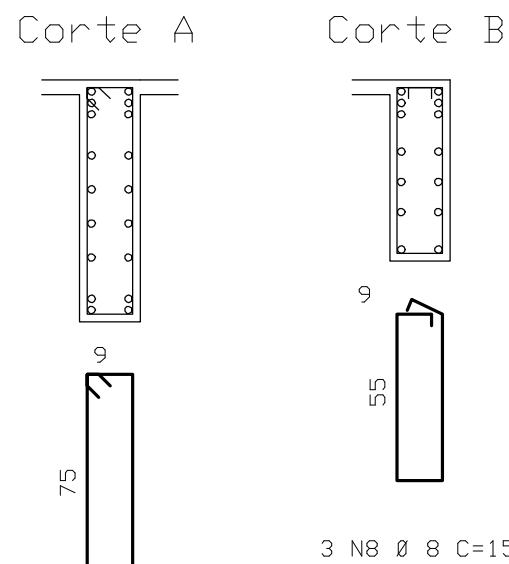
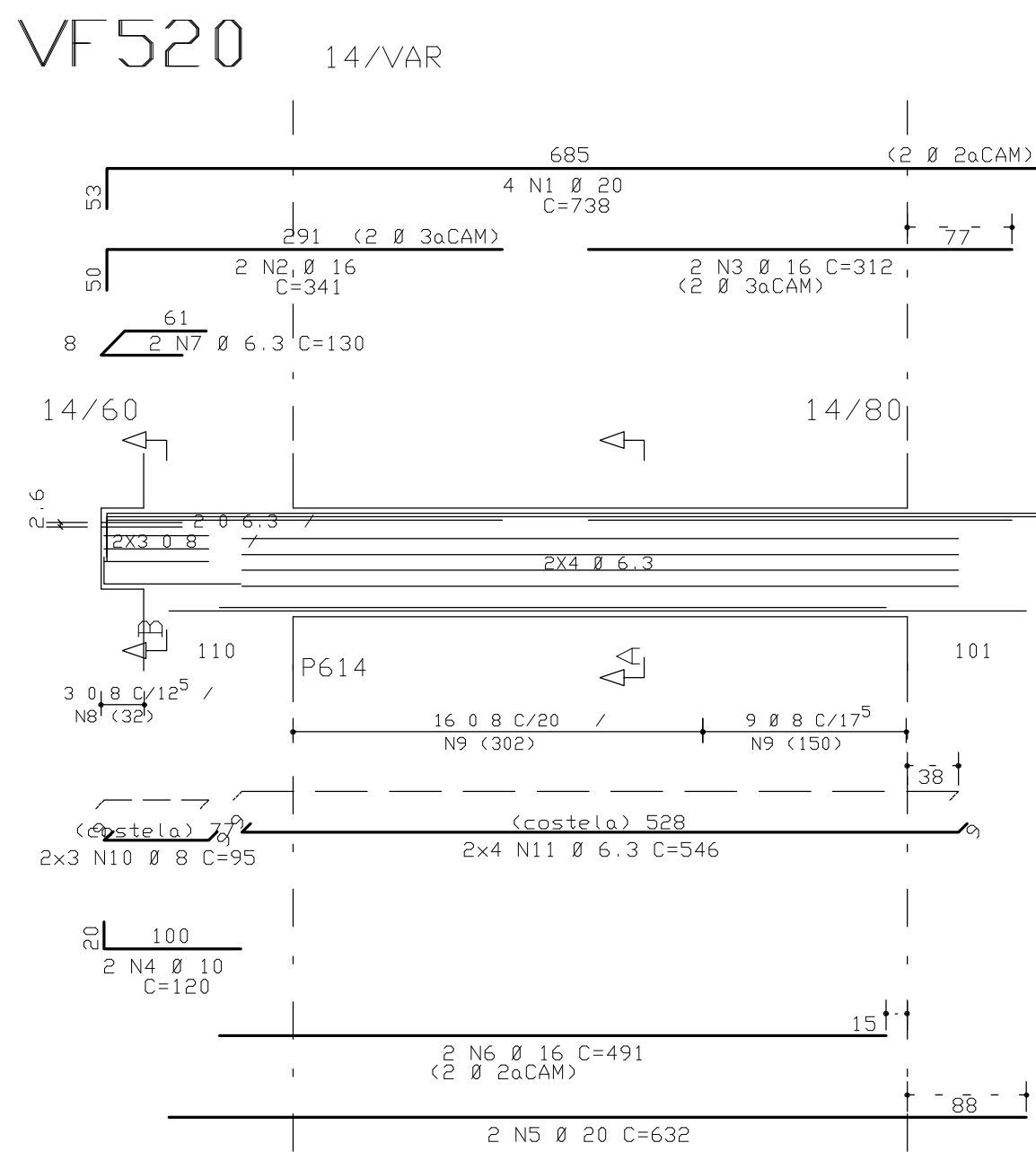


	ACO	POS	BIT (mm)	QUANT	COMPRIMENTO		ACO	POS	BIT (mm)	QUANT	COMPRIMENTO				
					UNIT (cm)	TOTAL (cm)					UNIT (cm)	TOTAL (cm)			
VF520	50A	1	20	4	738	2952	50A	1	10	2	237	474			
	50A	2	16	2	341	682	50A	2	20	4	739	2956			
	50A	3	16	2	312	624	50A	3	20	2	311	622			
	50A	4	10	2	120	240	50A	4	10	2	117	234			
	50A	5	20	2	632	1264	50A	5	20	2	629	1258			
	50A	6	16	2	491	982	50A	6	16	2	561	1122			
	50A	7	6.3	3	130	260	50A	7	6.3	2	130	260			
	50A	8	8	3	153	459	50A	8	8	23	184	4232			
	50A	9	8	25	184	4600	50A	9	8	3	153	459			
VF521	50A	10	8	6	95	570	50A	10	6.3	8	546	4368			
	50A	11	6.3	8	546	4368	50A	11	8	6	95	570			
	50A	1	20	2	574	1148	50A	1	10	2	479	958			
	50A	2	20	2	278	556	50A	2	2	10	4	468	936		
	50A	3	20	2	277	554	60B	3	5	20	138	2760			
	50A	4	16	4	494	1976	VF524	(X2)		50A	1	20	8	411	3288
	50A	5	6.3	22	128	2816		50A	2	8	4	377	1508		
	60B	6	5	4	475	1900		50A	3	20	4	359	1436		
								50A	4	16	4	324	1296		
VF526	50A	5	8	4	153	459	50A	5	8	4	160	640			
	50A	6	8	153	459	50A	6	8	48	153	7344				
	50A	7	8	16	303	4848	50A	7	8	16	303	4848			
	50A	1	10	2	505	1010	VF527	50A	1	10	2	507	1014		
50A	2	10	2	491	982	50A		2	10	2	491	982			
50A	3	6.3	21	150	3150	50A		3	6.3	21	150	3150			
60B	4	5	4	422	1688	60B		4	5	4	423	1692			
VSEF501	50A	1	12.5	2	225	450	50A	1	12.5	2	225	450			
	50A	2	10	2	150	300	50A	2	10	2	150	300			
	50A	3	6.3	5	150	750	50A	3	6.3	5	150	750			
	50A	4	6.3	6	148	888	50A	4	6.3	6	148	888			

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	80	13
50A	6.3	200	50
50A	8	252	101
50A	10	71	45
50A	12.5	5	5
50A	16	67	107
50A	20	160	401
Peso Total		60B =	13 kg
Peso Total		50A =	708 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 DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.

COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA. ESTAO INDICADOS NOS DESENHOS DAS 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

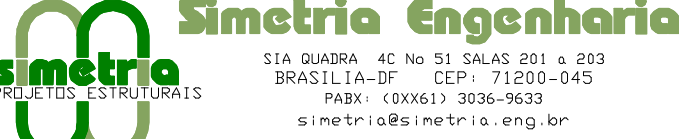
INDICE:

VF520 A VF527 / VSEF501

FCK = 35 MPa

EC = 28 GPa (MODULO DE ELASTICIDADE SECANTE AOS 28 DIAS).

A/C = 0,65 (FATOR AGUA CIMENTO)

0	21/09/2009	EMISSAO INICIAL	
REV	DATA	DESCRICAO	
Simetria Engenharia SIA QUADRA AC No 51 SALAS 201 e 203 BRASILIA-DF CEP: 71200-045 FONE: (61) 3036-9633 simetria@simetria.eng.br			
PROJETO ESTRUTURAL			
CLIENTE: DISCO INCORPORADORA E IMOBILIARIA LTDA		No OBRA: 001	
OBRA: EDIFICIO RESIDENCIAL OLYMPIQUE			
ENDEREÇO OBRA: SRIA AREA ESPECIAL 04 LOTES G e H - GUARA/DF			
DESCRICAO: ARMACAO DAS VIGAS DO 2o AO 6o PAVIMENTOS		DESENHO No: 177-XXX	
TORRE C - JUNTA F <02/02>			
DESENHISTA: TQS/HELENA	DATA: 21/09/2009	ESCALA: 1:50	UNIDADE: cm
No PROJ. SIMETRIA: 421			
ARQUIVO: PLT: 421-EST-177-XXX-R00_PLT			
PROPRIETARIO: _____ RESPONSAVEL TECNICO: _____			
RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL: _____			
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA CREA: 8725/RJ			

