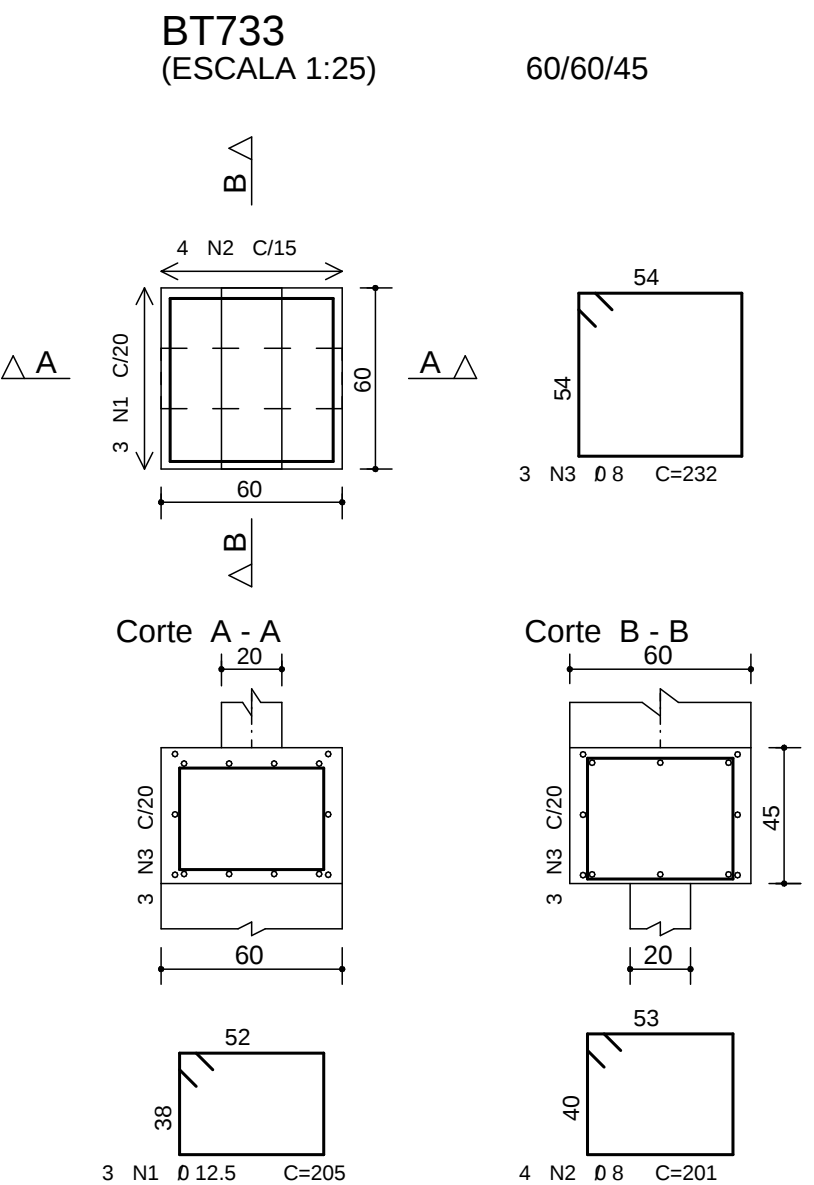
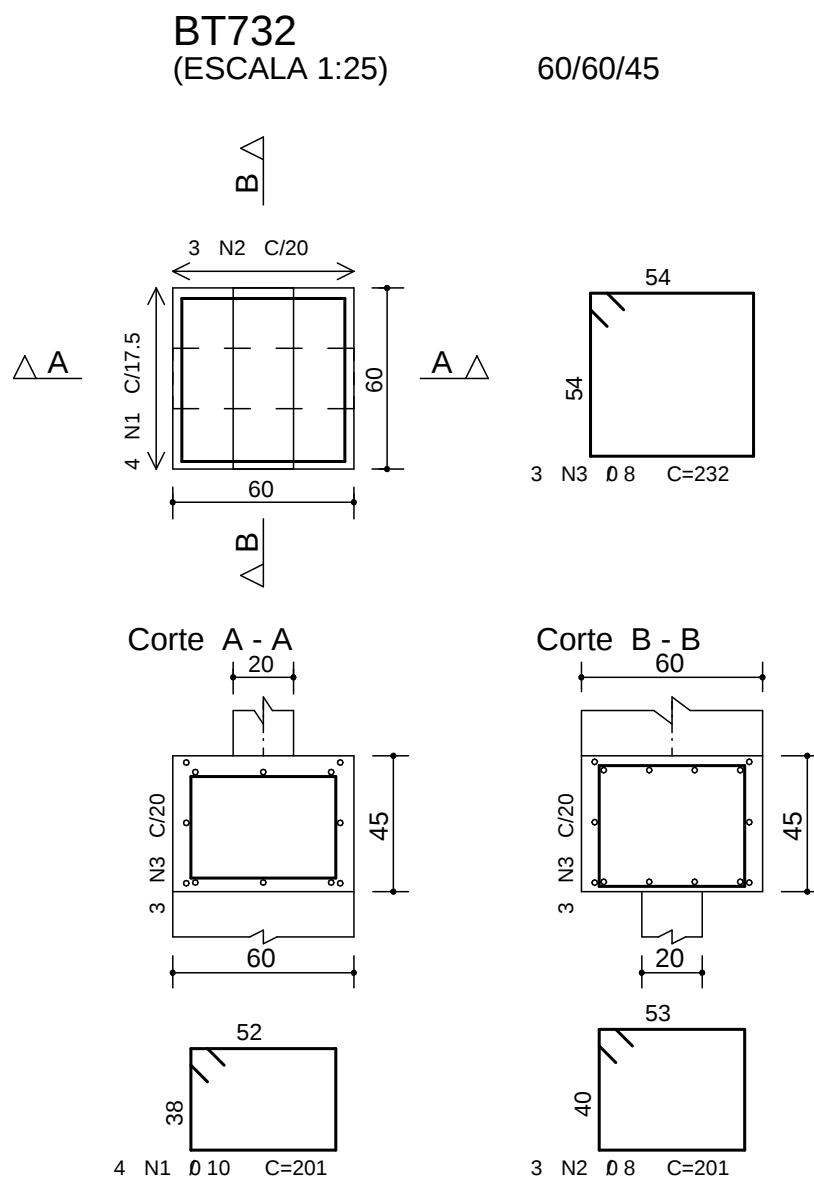
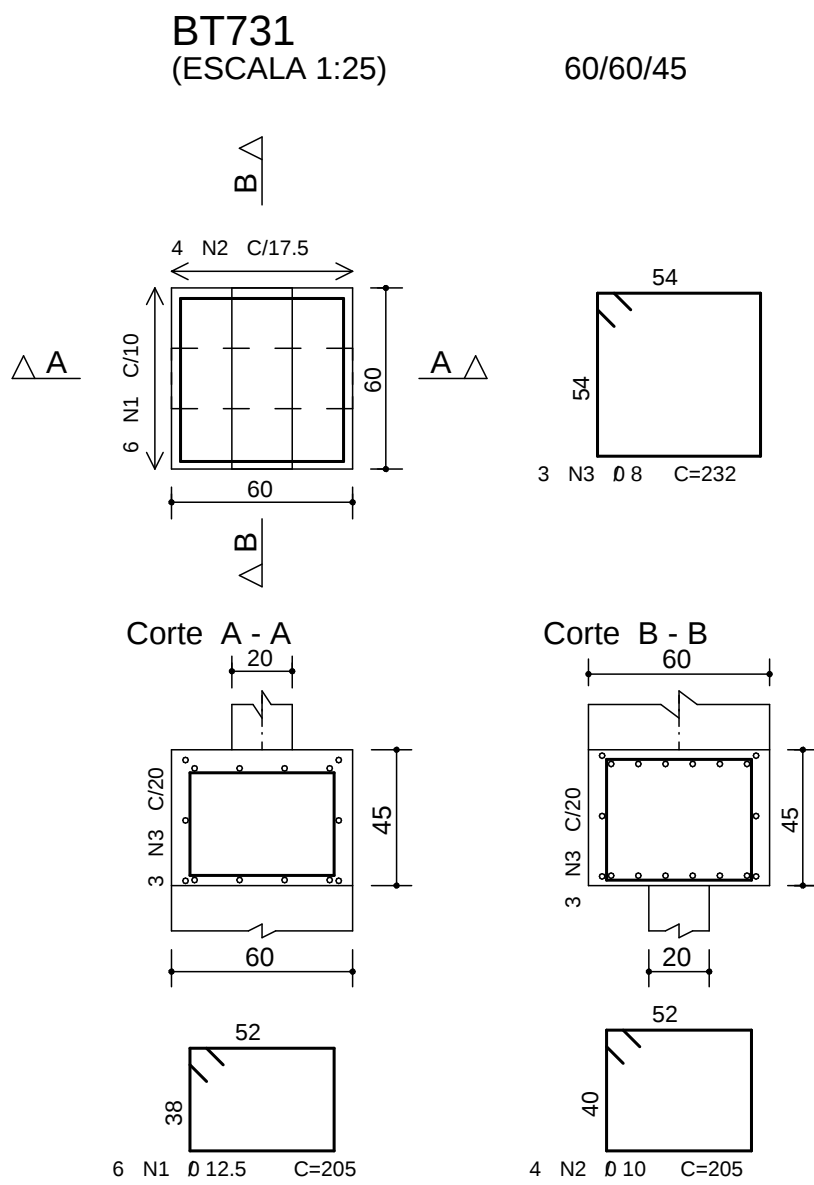
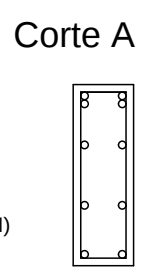
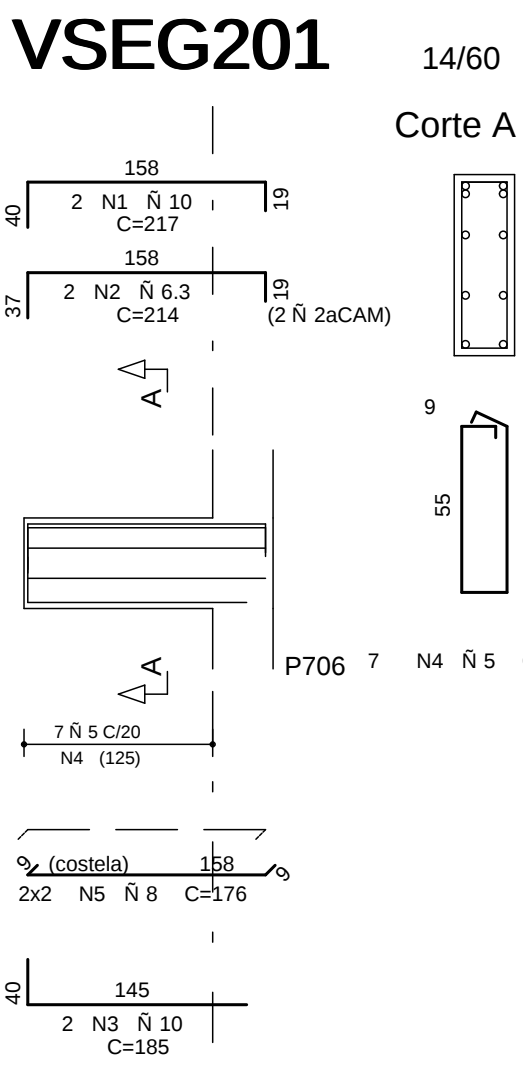
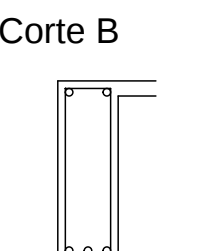
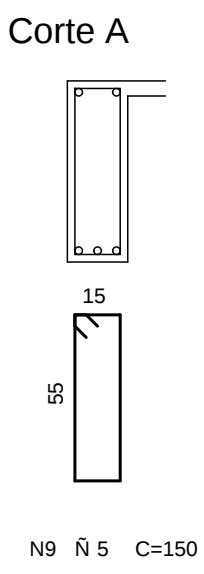
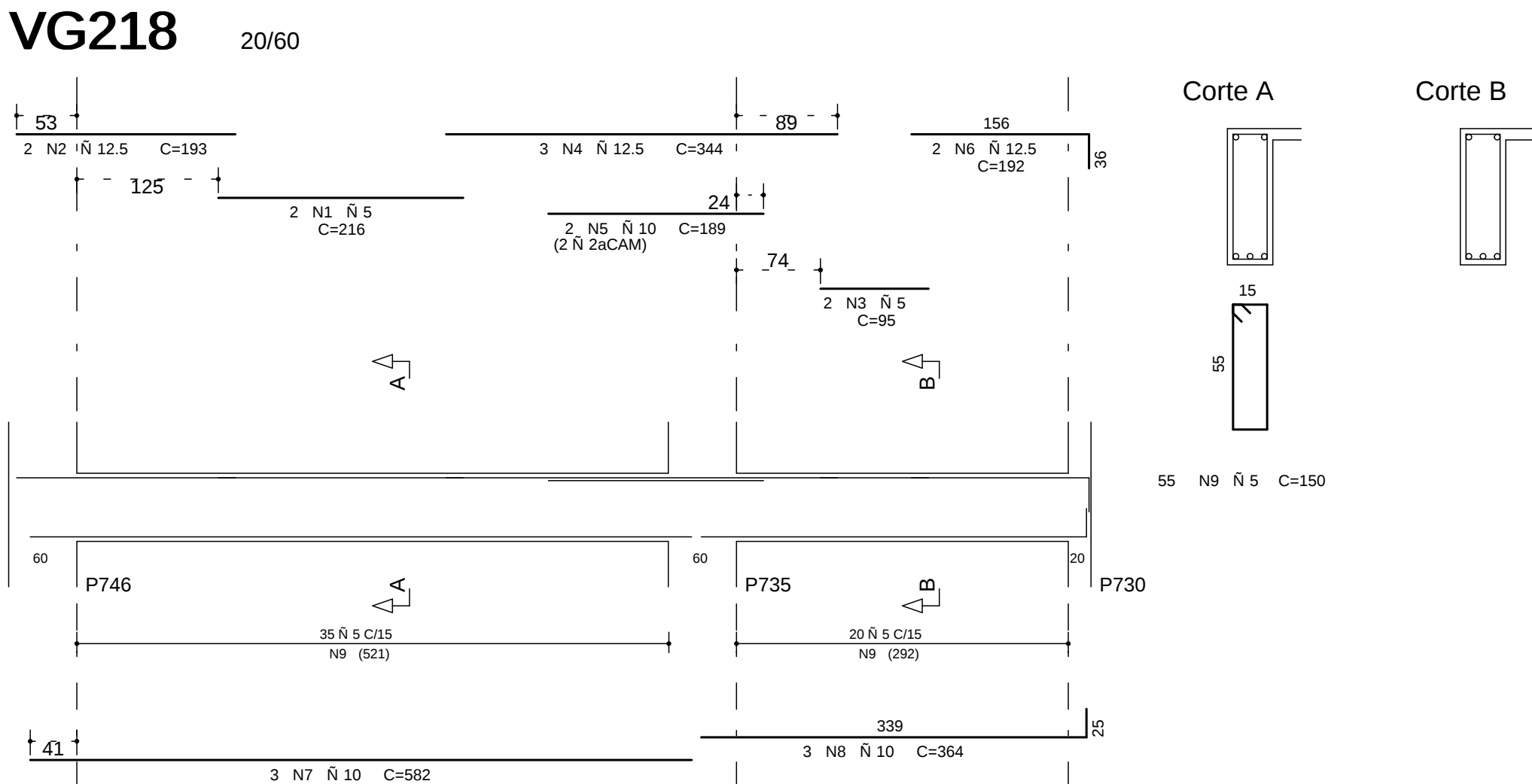
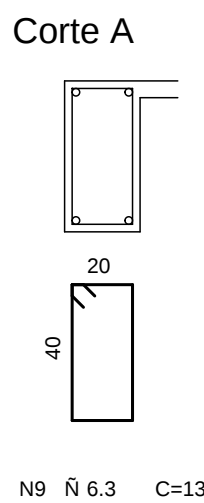
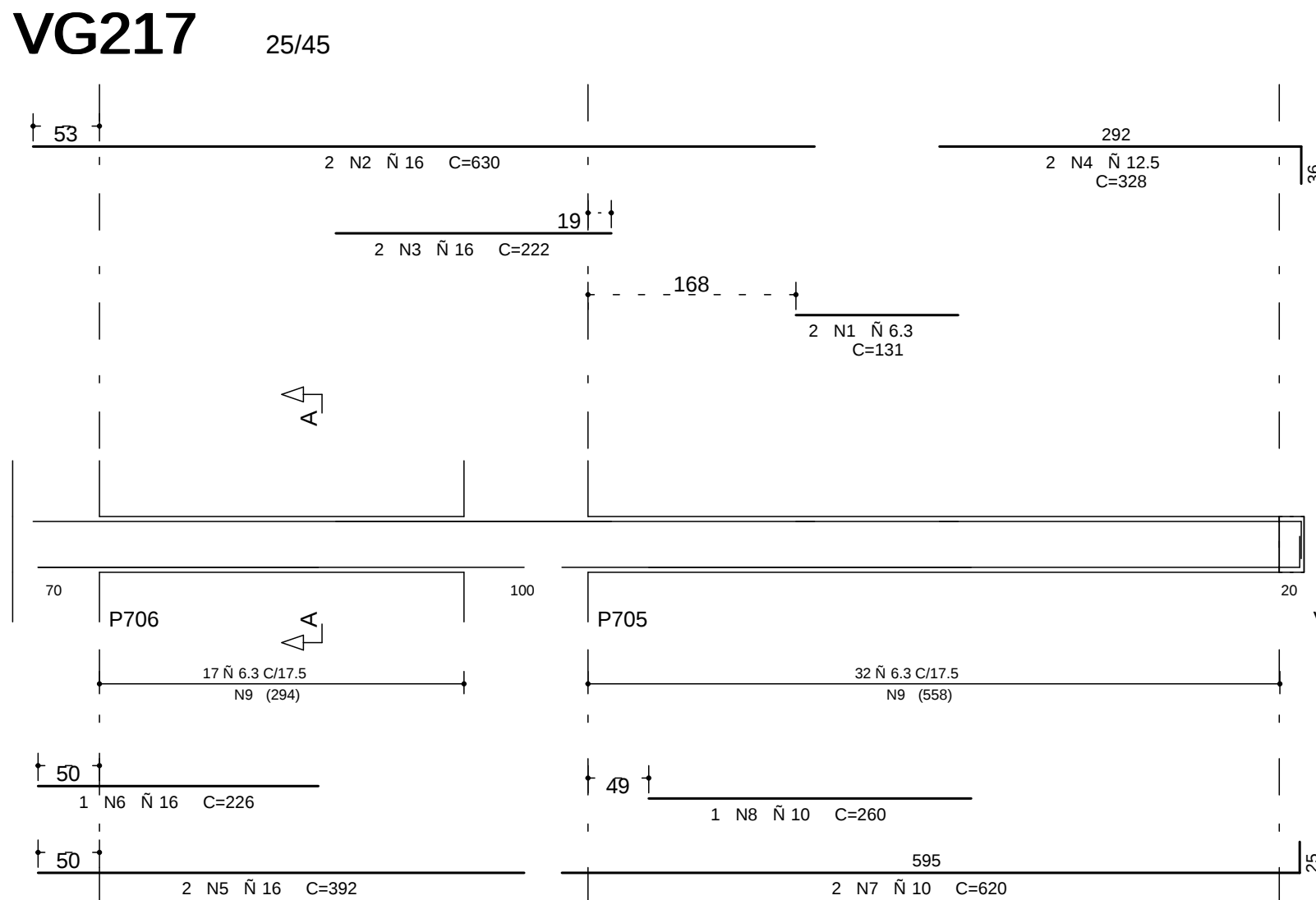
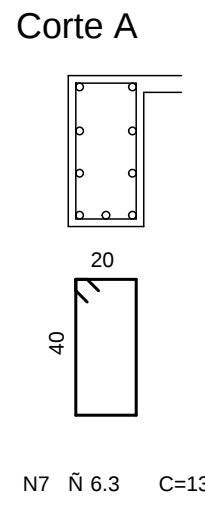
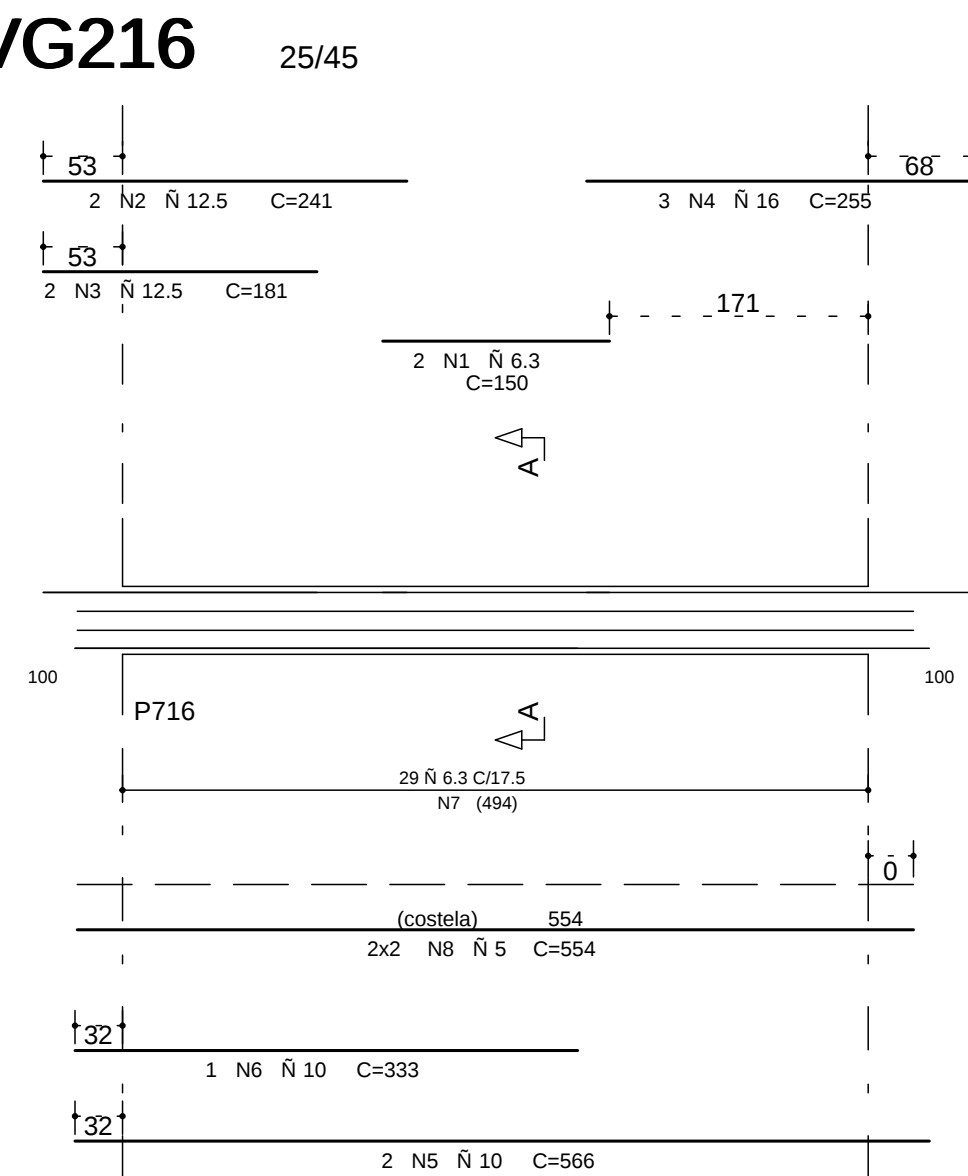
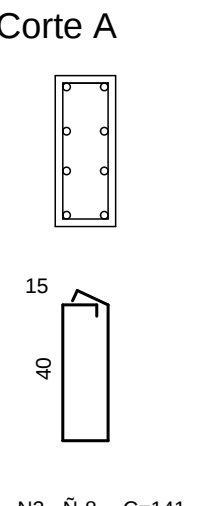
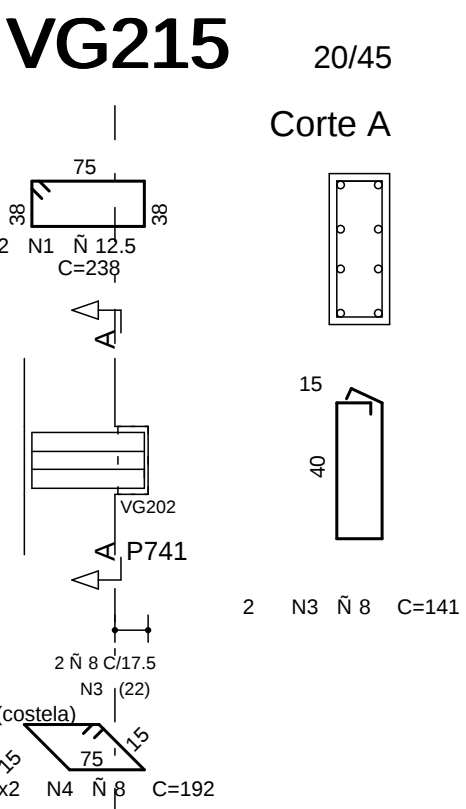
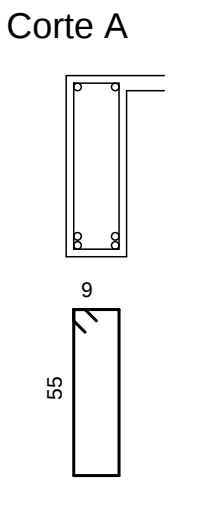
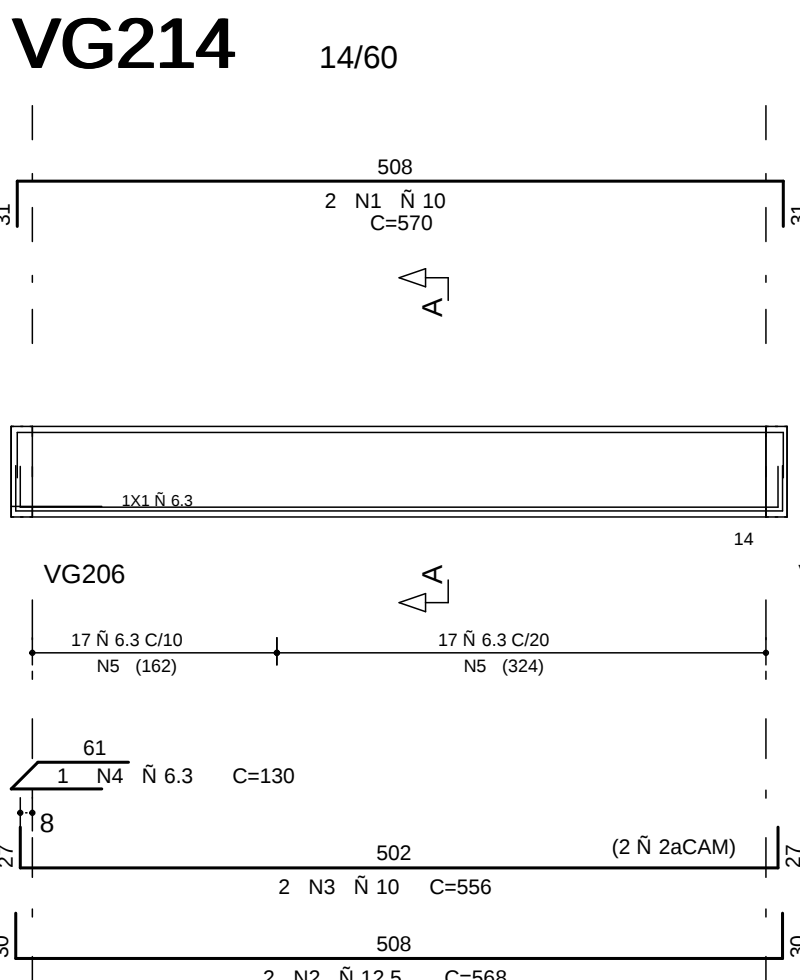
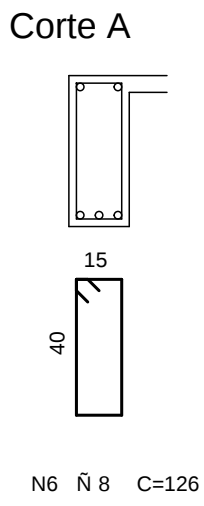
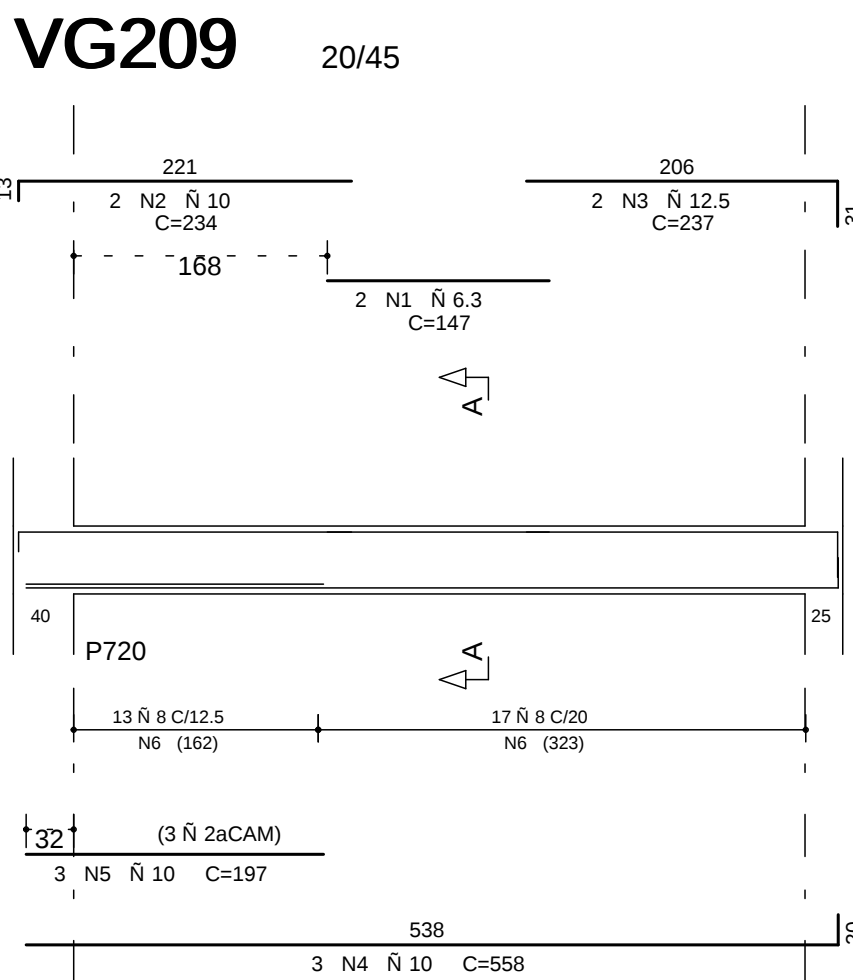




ACO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNIT (cm)	TOTAL (cm)
BT731					
50A	1	12.5	6	205	1230
50A	2	10	4	205	820
50A	3	8	3	232	696
BT732					
50A	1	10	4	201	804
50A	2	8	3	201	603
50A	3	8	3	232	696
BT733					
50A	1	12.5	3	205	615
50A	2	8	4	201	804
50A	3	8	3	232	696

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
50A	8	35	14
50A	10	16	10
50A	12.5	18	18
Peso Total		50A =	43 kg

	A&O	POS	BIT (mm)	QUANT	COMPRIMENTO	
					UNIT (cm)	TOTAL (cm)
VG209	50A	1	6.3	2	147	294
	50A	2	10	2	234	468
	50A	3	12.5	2	237	474
	50A	4	10	3	558	1674
	50A	5	10	3	197	591
	50A	6	8	30	126	3780
VG214	50A	1	10	2	570	1140
	50A	2	12.5	2	568	1136
	50A	3	10	2	556	1112
	50A	4	6.3	1	130	130
	50A	5	6.3	34	141	4794
VG215	50A	1	12.5	2	238	476
	50A	3	8	2	141	282
	50A	4	8	4	192	768
VG216	50A	1	6.3	2	150	300
	50A	2	12.5	2	241	482
	50A	3	12.5	2	181	362
	50A	4	16	3	255	765
	50A	5	10	2	566	1132
	50A	6	10	1	333	333
	50A	7	6.3	29	133	3857
	60B	8	5	4	554	2216
VG217	50A	1	6.3	2	131	262
	50A	2	16	2	630	1260
	50A	3	16	2	222	444
	50A	4	12.5	2	328	656
	50A	5	16	2	392	784
	50A	6	16	1	226	226
	50A	7	10	2	620	1240
	50A	8	10	1	260	260
	50A	9	6.3	49	133	6517
VG218	60B	1	5	2	216	432
	50B	2	12.5	2	193	386
	50B	3	5	2	95	190
	50A	4	12.5	3	344	1032
	50A	5	10	2	189	378
	50A	6	12.5	2	192	384
	50A	7	10	3	582	1746
	50A	8	10	3	364	1092
	60B	9	5	55	150	8250
VSEG201	50A	1	10	2	217	434
	50A	2	6.3	2	214	428
	50A	3	10	2	185	370
	60B	4	5	7	147	1009
	50A	5	8	4	176	704

RESUMO AÉ O CA 50-60			
AÉ O	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	121	19
50A	6.3	166	41
50A	8	95	22
50A	10	120	75
50A	12.5	54	54
50A	16	35	56
Peso Total		60B =	19 kg
Peso Total		50A =	249 kg

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

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 DE 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:

VG209, VG214 A VG218, VSEG201, BT731 AO BT733

FCK= 35 MPa

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

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

0	27/05/2010	EMISSAO INICIAL
REV	DATA	DESCRICAO
Simetria Engenharia		
SIA QUADRA 4C NO 52 SALAO 201 a 203 BRASILIA-DF CEP: 71200-045 FONE: (061) 3036-9633 simetria@simetria-eng.br		
PROJETO ESTRUTURAL		
CLIENTE: DISCO INCORPORADORA IMOBILIARIA LTDA		
OBRA: ED. RESIDENCIAL OLYMPIC		No OBRA: XXX
ENDERECO OBRA: SRIA AREA ESPECIAL 04 LOTES G e H GUARA-DF		DESENHO No:
DESCRICAO: ARMACAO DAS VIGAS E BLOCOS DE TRANSICAO 1o SUBSOLO - JUNTA G - TORRE D (02/02)		284-XXX
DESENHISTA: TQSI CAMARGO	DATA: 27/05/2010	ESCALA: 1:50
ARQUIVO: 421-EST- 284-XXX -R00 -PLT	UNIDADE: CM	No PROJ: SIMETRIA 421
PROPRIETARIO: RESPONSAVEL TECNICO		
RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL		
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA CREA 2725/RF		