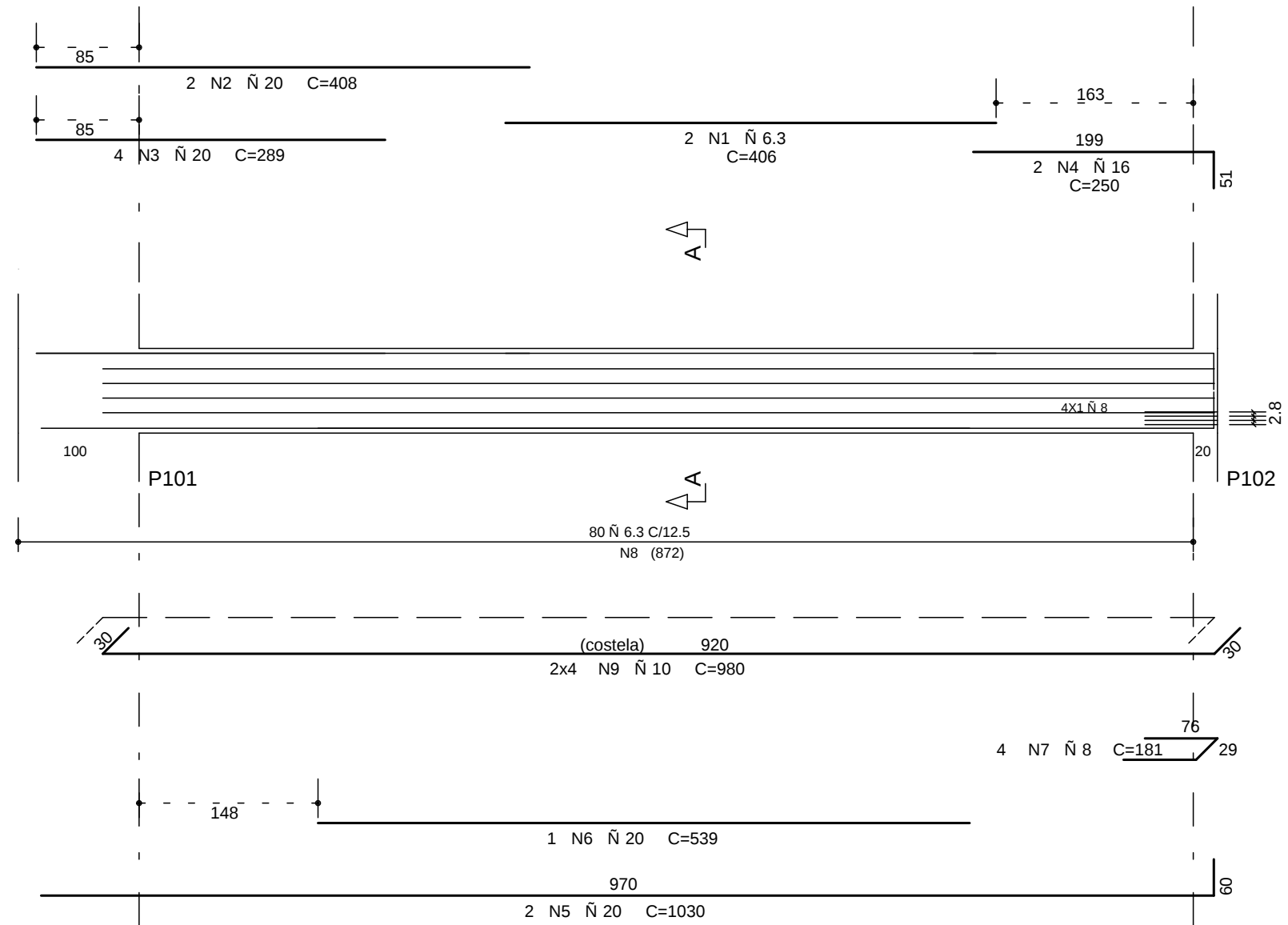
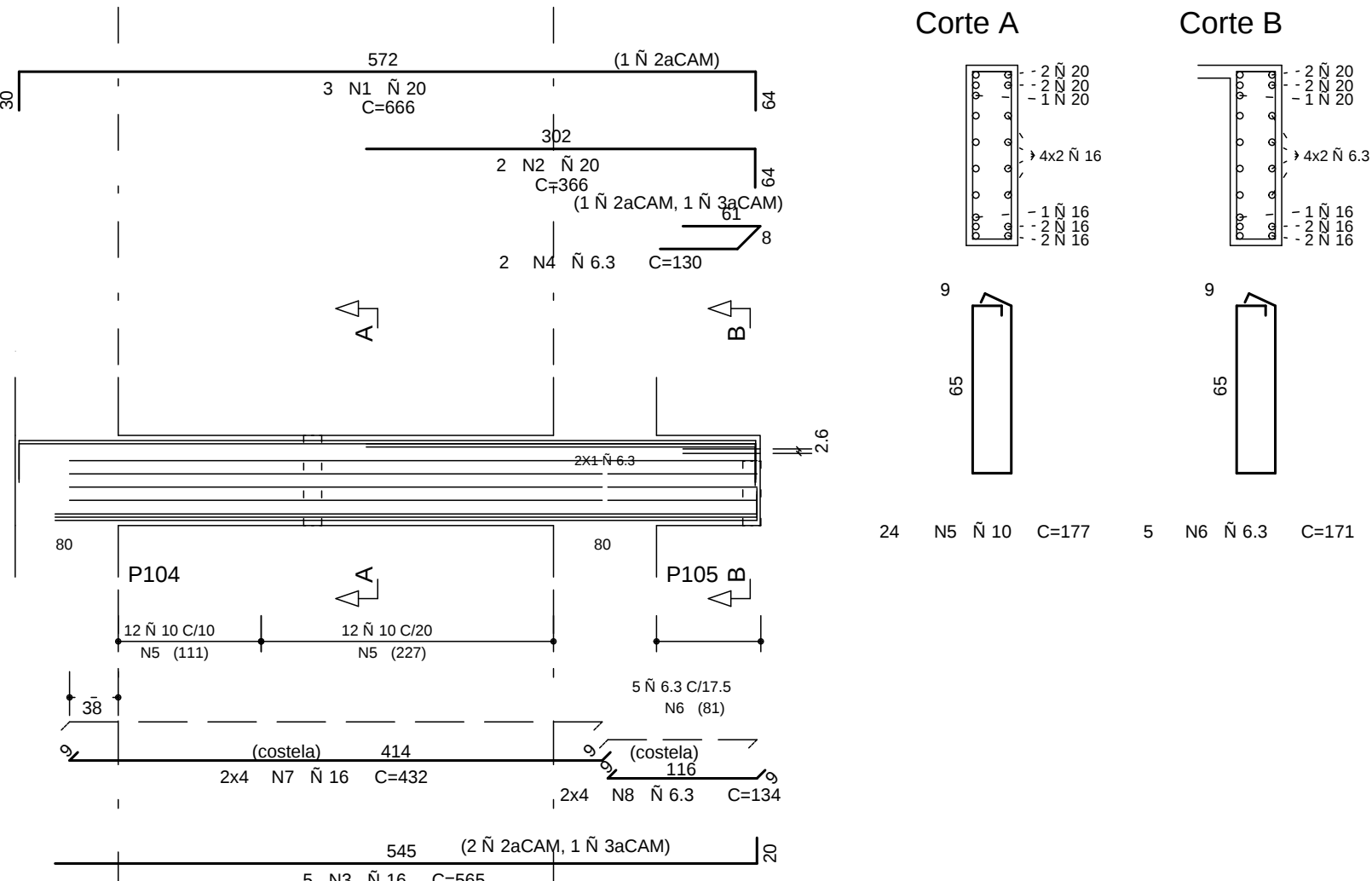


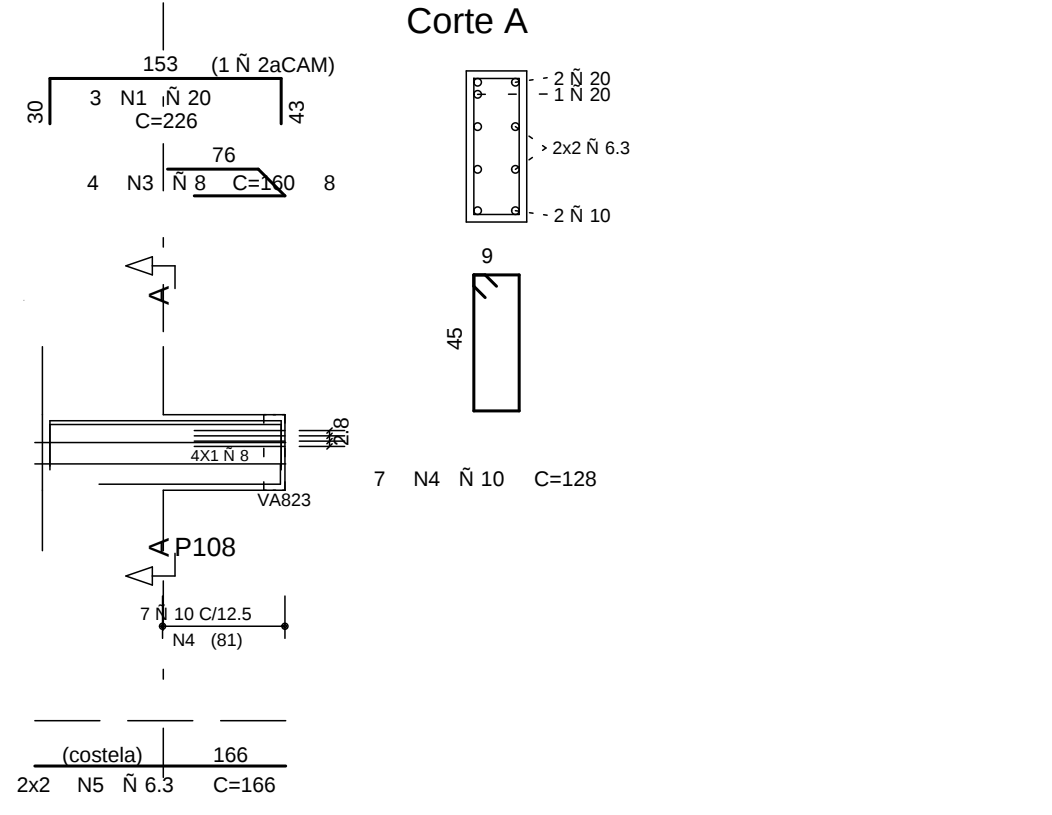
35/70



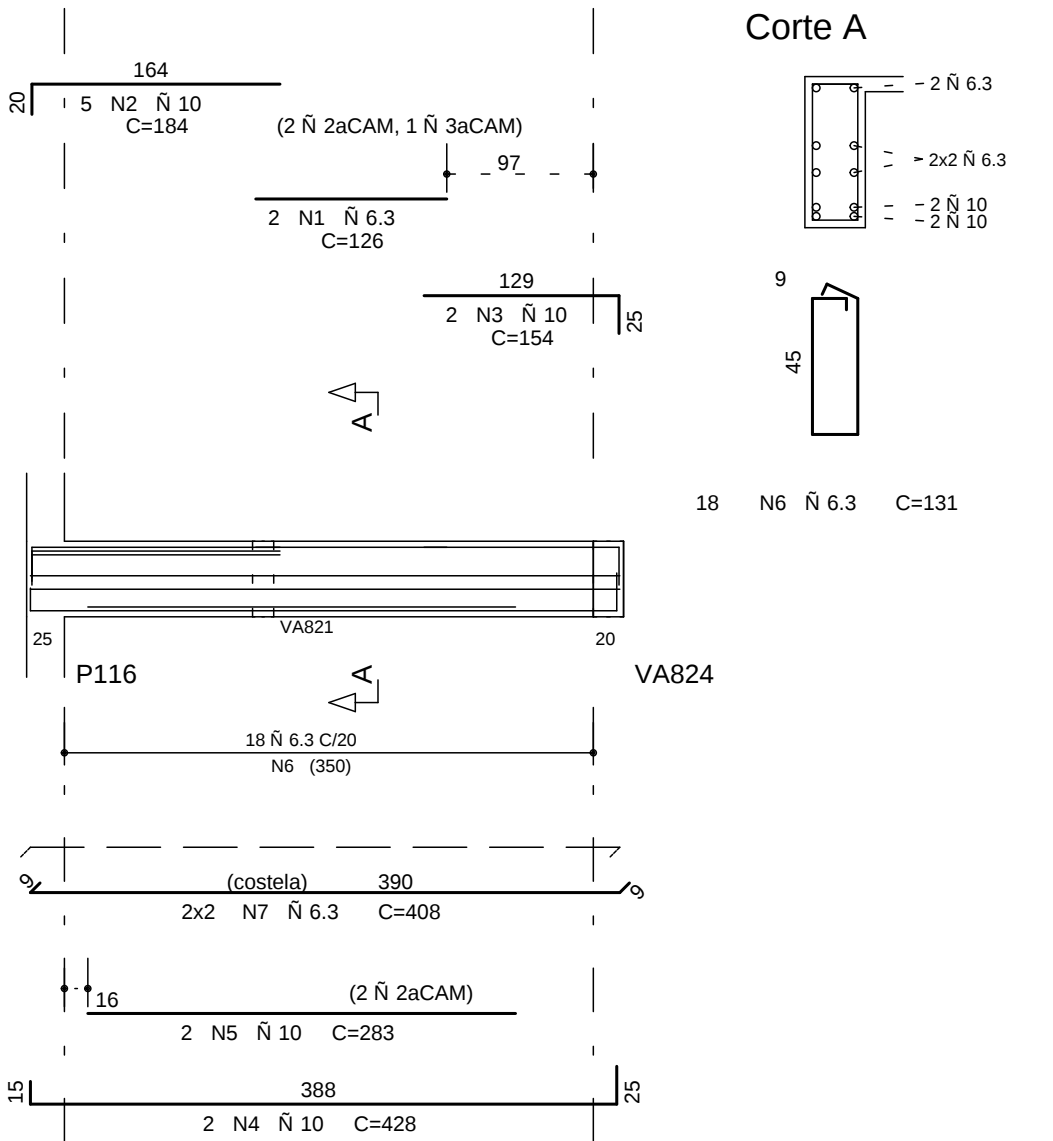
14/70



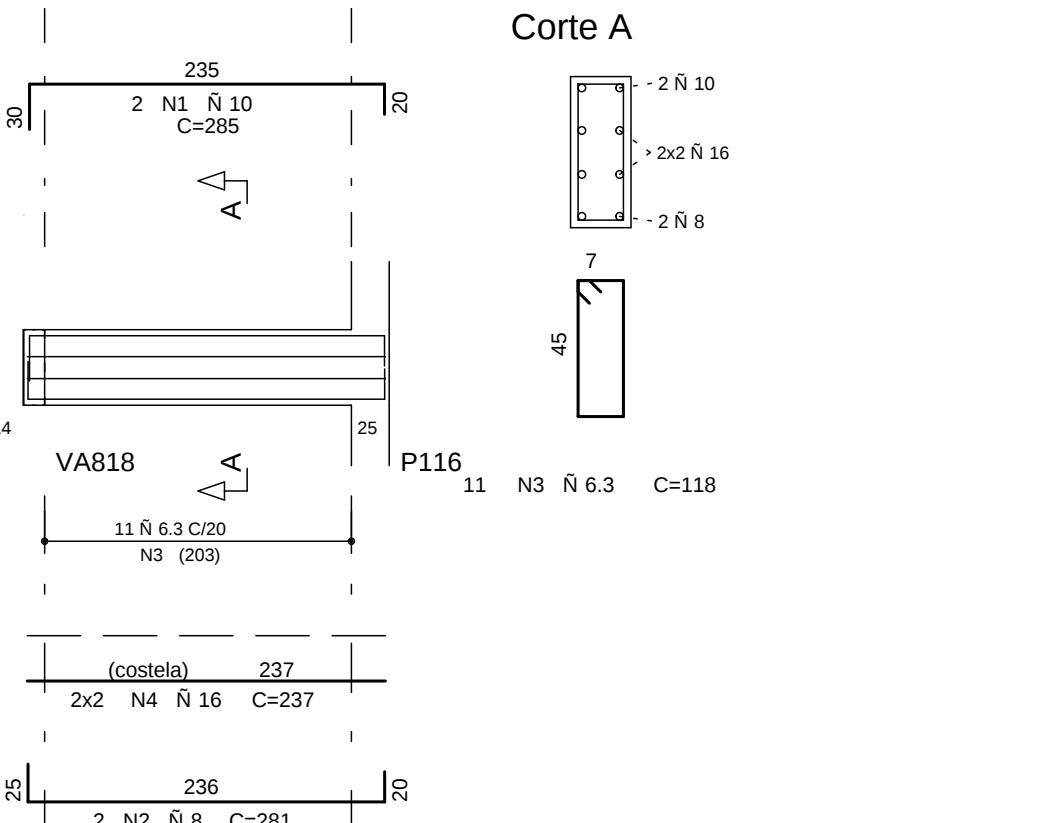
14/50



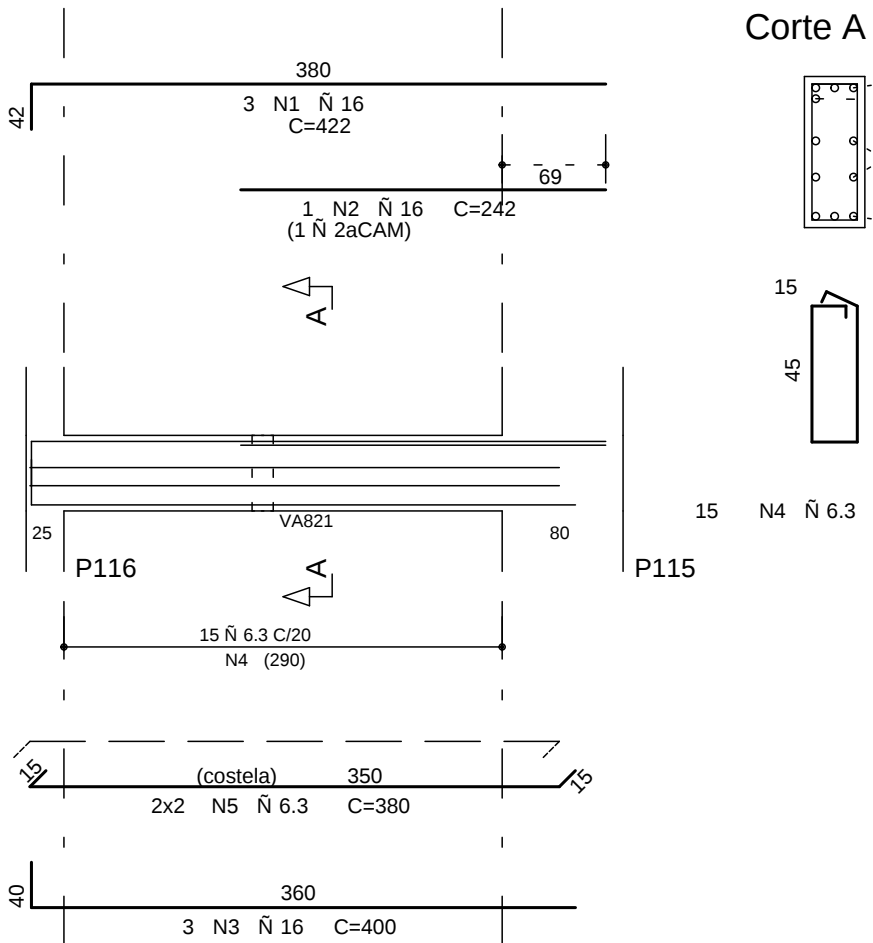
14/50



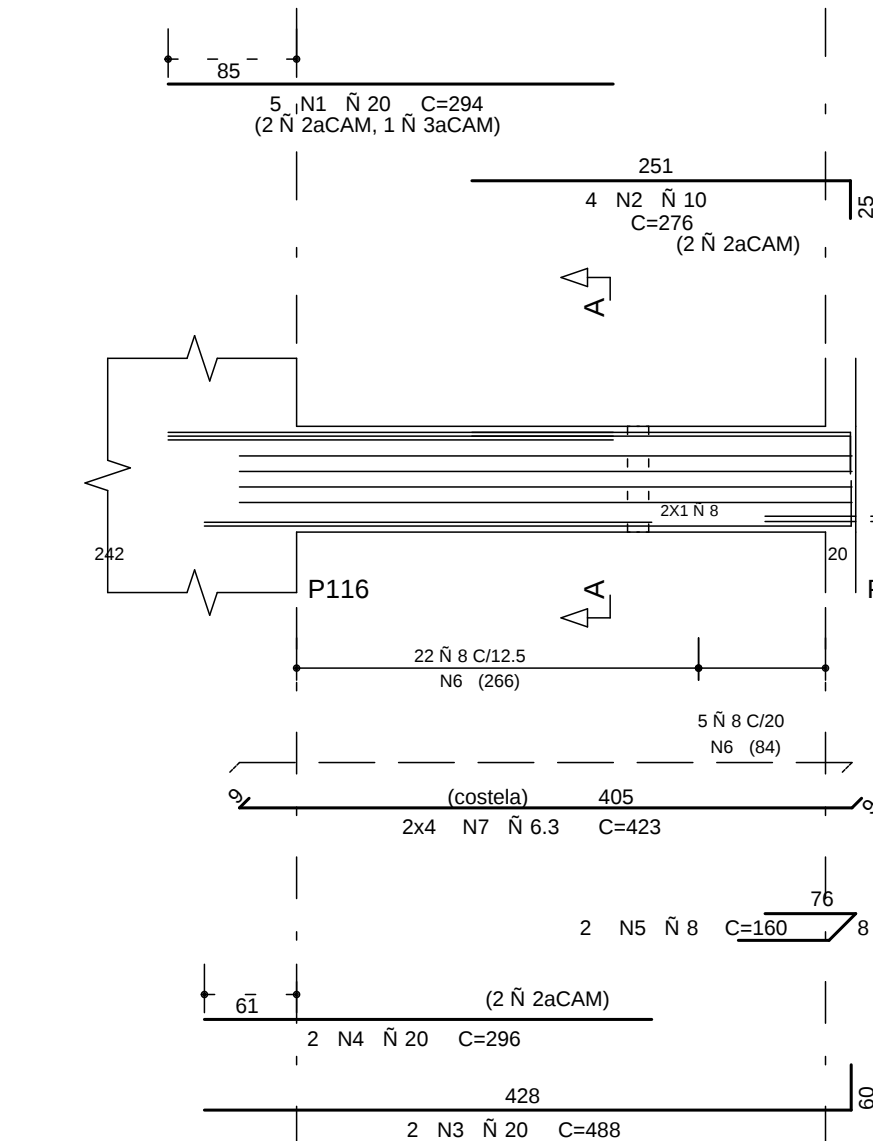
12/50



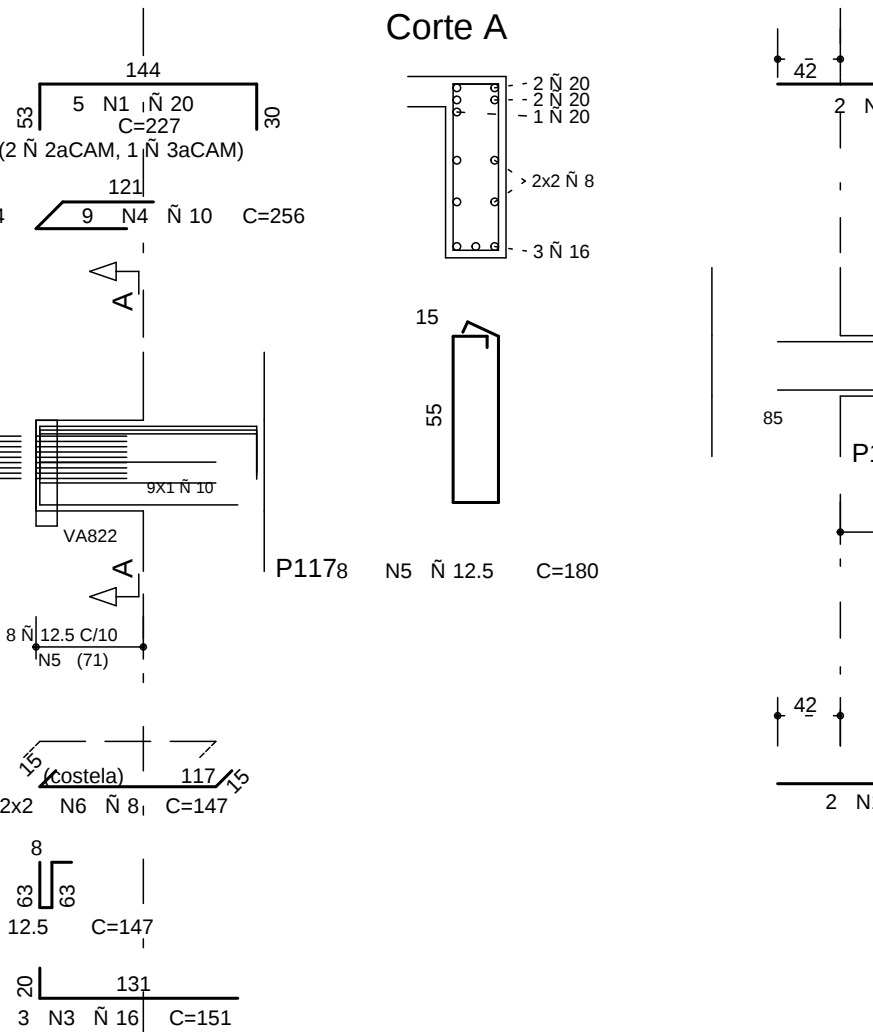
20/5



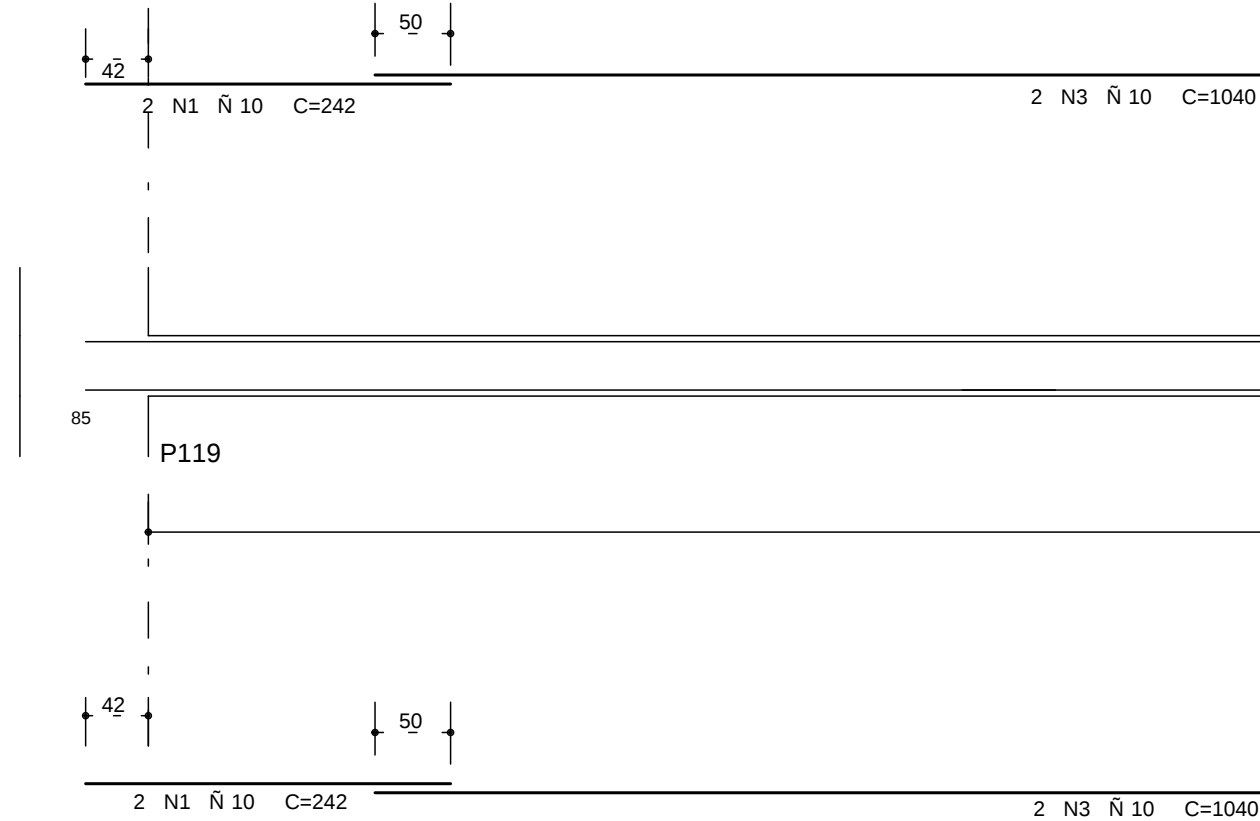
09



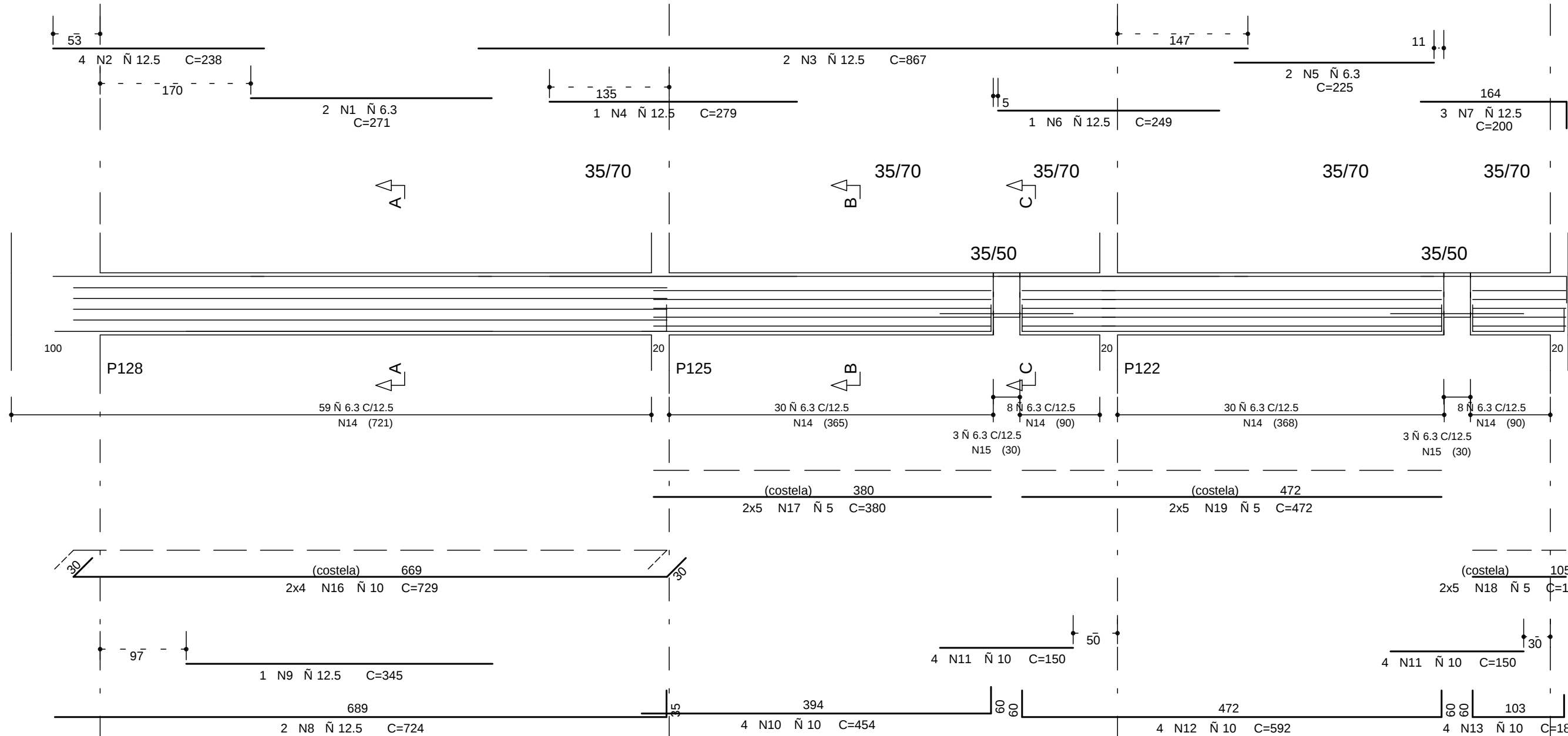
20/60



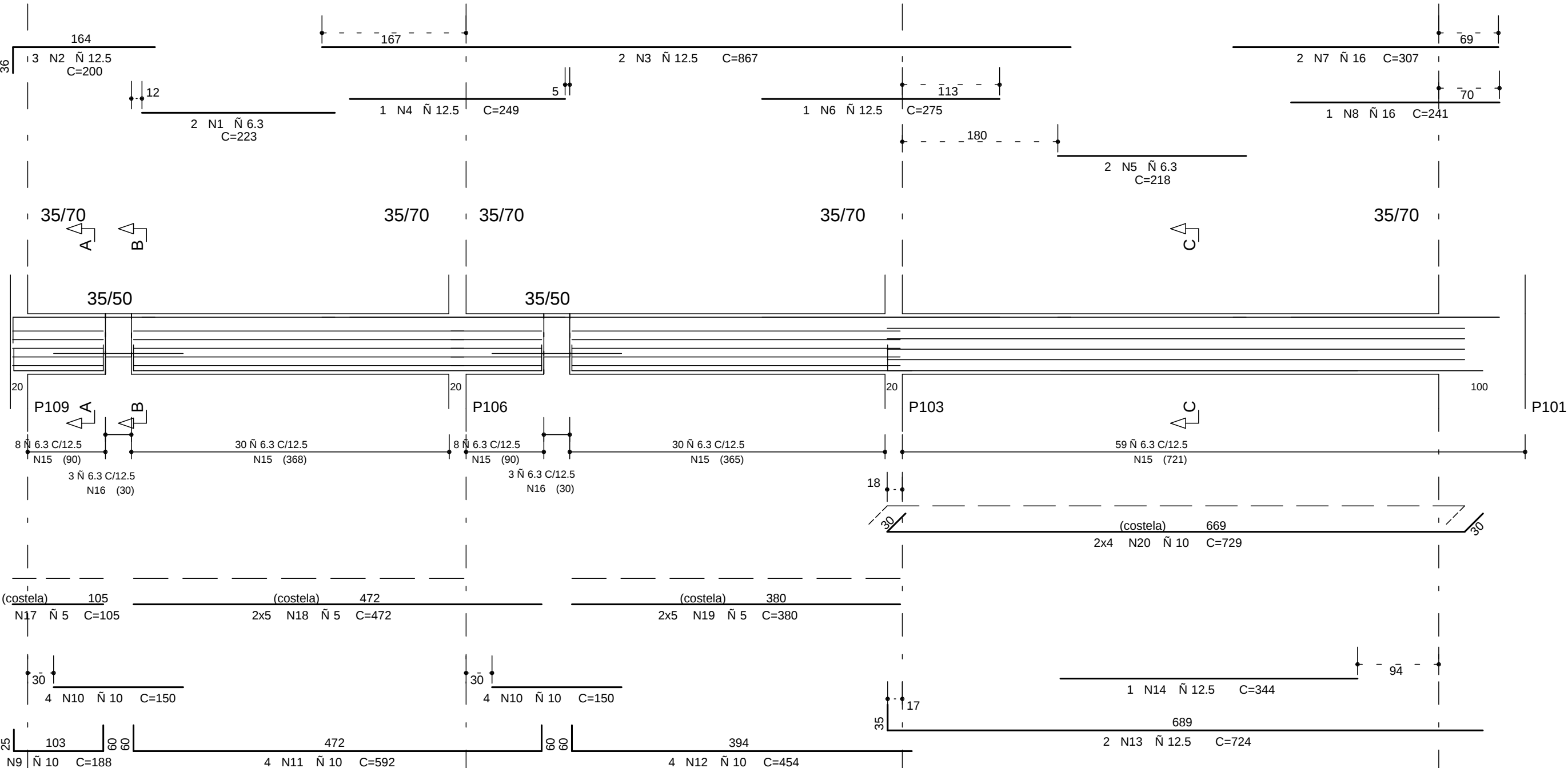
1



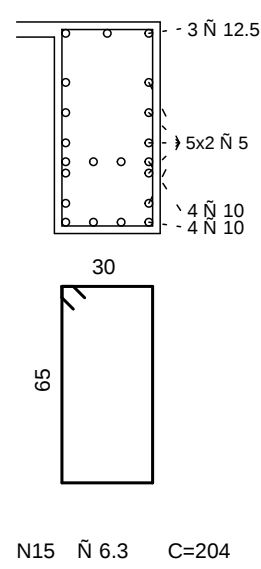
35/VAR



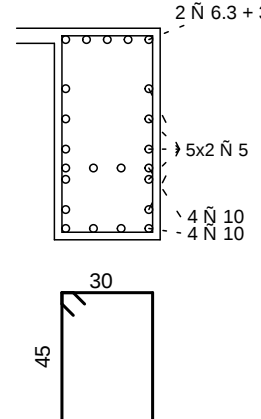
35/NAF



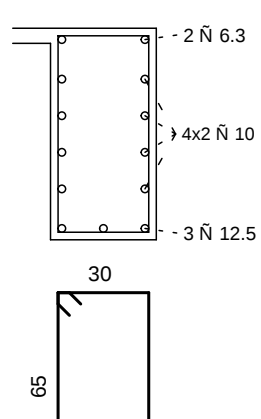
Corte A



Corte B



Corte C



	AE O	POS	BIT (mm)	QUANT	COMMITMENT	UNPERTURB TOTAL
VAR05/VAR05_025	SSA	1	6.3	4	800	1824
	SSA	2	6.3	4	800	1824
	SSA	2	6.3	4	800	1824
	SSA	6	6.3	4	1000	1320
	SSA	2	6.3	4	800	1824
	SSA	6	6.3	100	300	2200
VAR06/VAR06_025	SSA	1	3.0	6	666	2088
	SSA	2	2.0	4	666	1464
	SSA	2	2.0	4	666	1464
	SSA	6	3.0	48	177	4896
	SSA	6	6.3	10	482	1912
	SSA	7	3.0	15	482	1912
VAR07/VAR07/VAR07_025	SSA	1	3.0	12	626	2172
	SSA	2	2	6	626	1452
	SSA	2	6	6	626	1452
	SSA	6	6.3	18	331	2380
	SSA	6	6.3	18	331	2380
	SSA	6	6.3	15	665	2555
VAR08	SSA	1	3.0	6	666	2088
	SSA	2	2.0	4	666	1464
	SSA	2	2.0	4	666	1464
	SSA	6	3.0	2	426	696
	SSA	6	6.3	18	331	2380
	SSA	6	6.3	15	665	2555
VAR09/VAR09_025	SSA	1	3.0	4	666	1344
	SSA	2	6.3	22	138	2200
	SSA	2	6.3	22	138	2200
	SSA	6	6.3	4	666	1344
	SSA	6	6.3	4	666	1344
	SSA	6	6.3	4	666	1344
VAR10	SSA	1	1.5	3	422	1266
	SSA	2	1.5	3	422	1266
	SSA	2	1.5	3	422	1266
	SSA	6	6.3	4	666	1344
	SSA	6	6.3	4	666	1344
	SSA	6	6.3	4	666	1344
VAR11	SSA	1	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR12	SSA	1	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR13	SSA	1	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR14	SSA	1	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR15	SSA	1	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	2	1.5	3	507	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR16	SSA	1	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	2	1.5	3	542	1338
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
	SSA	6	12.5	6	888	2442
VAR17	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR18	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR19	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR20	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR21	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR22	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR23	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR24	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR25	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR26	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR27	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR28	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR29	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR30	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR31	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR32	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR33	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR34	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR35	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR36	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR37	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR38	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR39	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR40	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR41	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR42	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR43	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR44	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
VAR45	SSA	1	1.5	3	233	666
	SSA	2	1.5	3	233	666
	SSA	4	12.5	1	249	2490
	SSA	6	12.5	1	249	2490
	SSA	6	12.5	1	249	2490

RESUMO AEO CA 50-60			
AEO	BIT (mm)	COMPR (m)	PESO (kg)
600	5	193	31
50A	6.3	1245	211
50A	8	1067	43
50A	10	704	444
50A	12.5	329	329
50A	16	195	212
50A	20	235	837
Peso Total	600=		31 kg
Peso Total	50A=		1775 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 ESPECÍFICOS EM CONTRÁRIO AOS VALORES INDICADOS ACIMA, ESTÃO 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:

VA801 A VA817

FCK= 35 MPa

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

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

1	20/08/2014	NUMERACAO FINAL	
0	02/10/2012	EMISSAO INICIAL	
REV	DATA	DESCRICAO	



Simetria Engenharia

PROJETOS ESTRUCTURAIS

SA QUARA, AC Nº13 SALAO 201 A 203
 BRASILIA-DF CEP: 71200-040
 FONE: (061) 3268-9623
 SIMETRIA@SIMETRIA.ENG.BR

PROJETO ESTRUTURAL

CLIENTE: GENT INCORPORADORA LTDA			
OBRAS:	ED. RESIDENCIAL/COMERCIAL PAINEIRAS		Nº OBRAS:
ENDEREÇO OBRA: RUA 30 NORTE LOTE 03 - RUA DAS PAINEIRAS - AGUAS CLARAS OF			
DESCRICO:			DESENHO Nº:
ARMACA DAS VIGAS - TORRE 1 - JUNTA A			BL1
PISO 4º PAVIMENTO			067-090
(01/02)			
INGENHEIRO:	DATA:	ESCALA:	UNIDADE:
TOSY VITOR	02/10/2012	1:50	CM
ARQUIVO PLT:			Nº PROJ. SIMETRIA:
478-EST-BL1-067-090-R01-VIG.PLT			478

PROPRIETARIO: _____ _____	RESPONSÁVEL TECNICO _____ _____
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RESPONSÁVEL TECNICO PELO PROJETO ESTRUTURAL

SIMETRIA ENGENHARIA E PROJETOS S/LTDA
 CREA 27259/F