

Usar as espessuras indicadas e as cores.

Cor	Espessura (mm)
1	0,2
2	0,6
3	0,6
4	0,3
5	0,1
6	0,1
7	0,6
8	0,6
9	0,2
10	1,0
11	0,1
12	0,1
13	0,1
14	0,1
15	0,09
250	0,1 67%
251	0,1 54%
252	0,1 40%
253	0,1 20%
254	0,1 13%

Plotar em preto e branco.

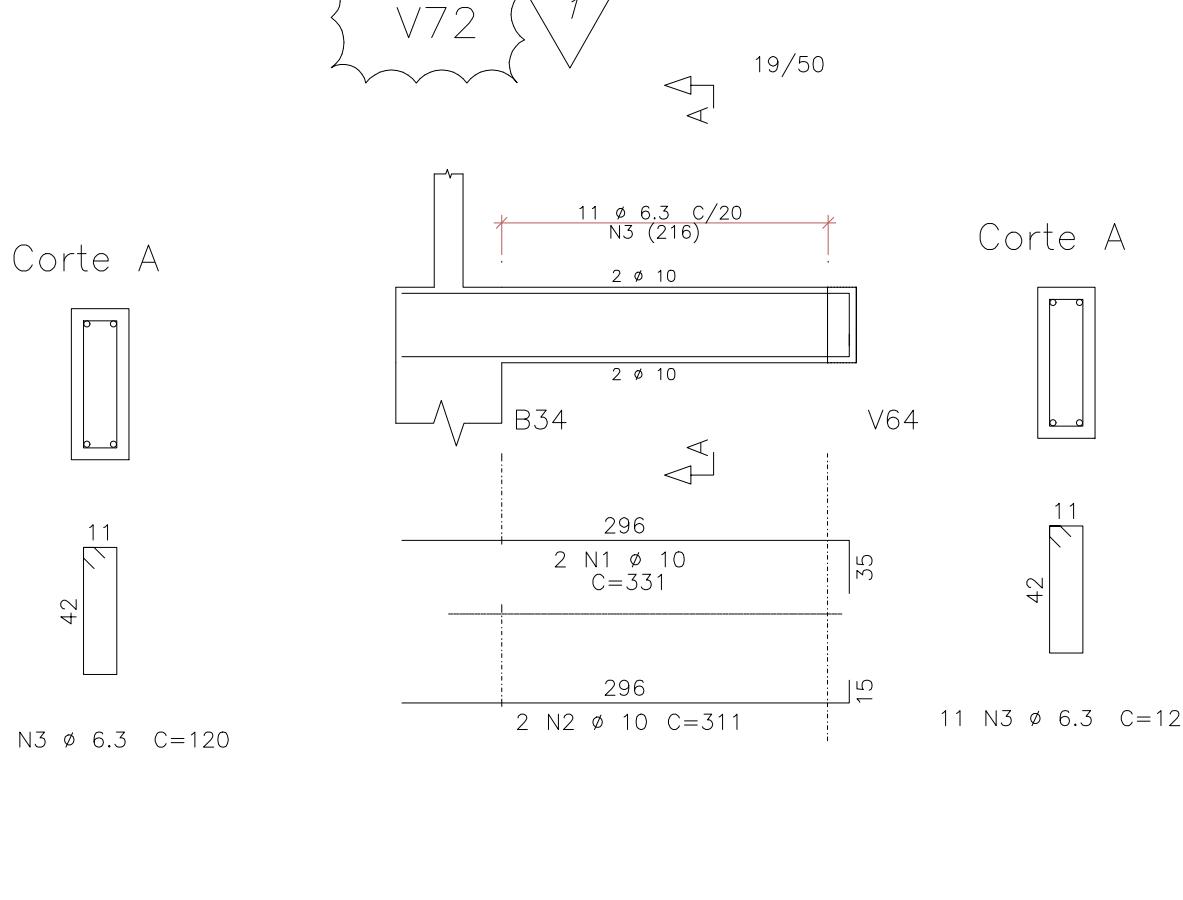
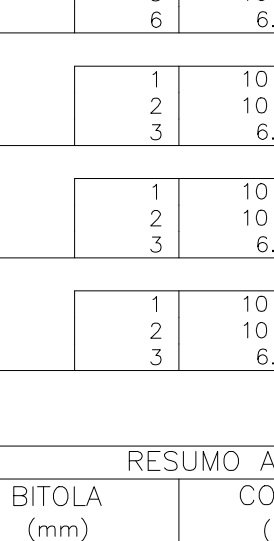
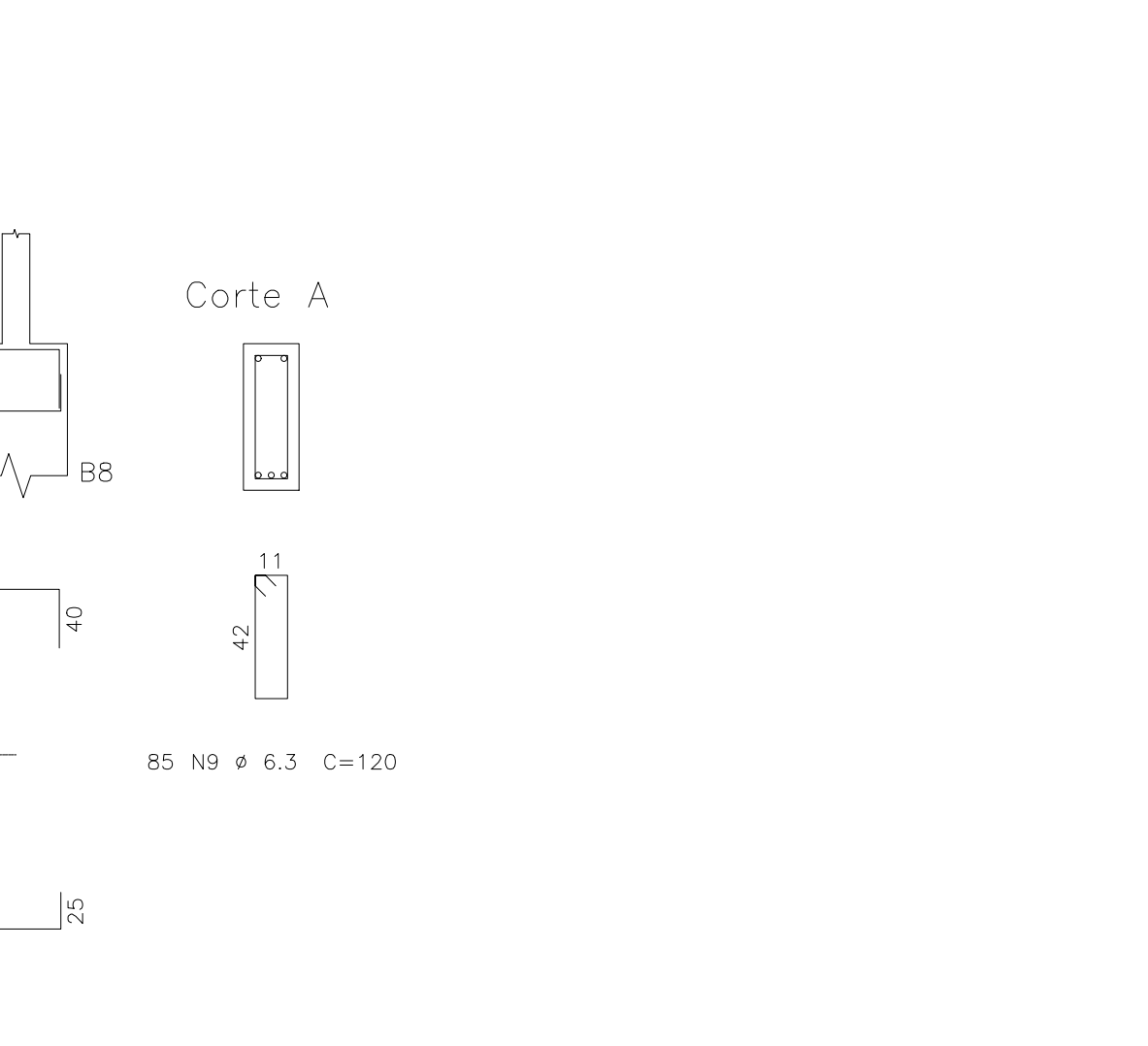
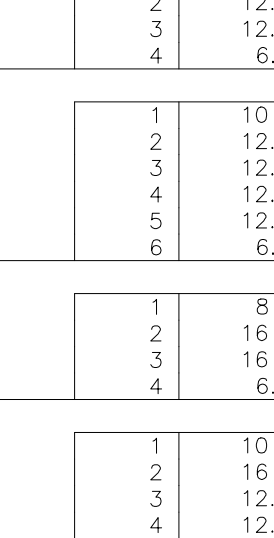
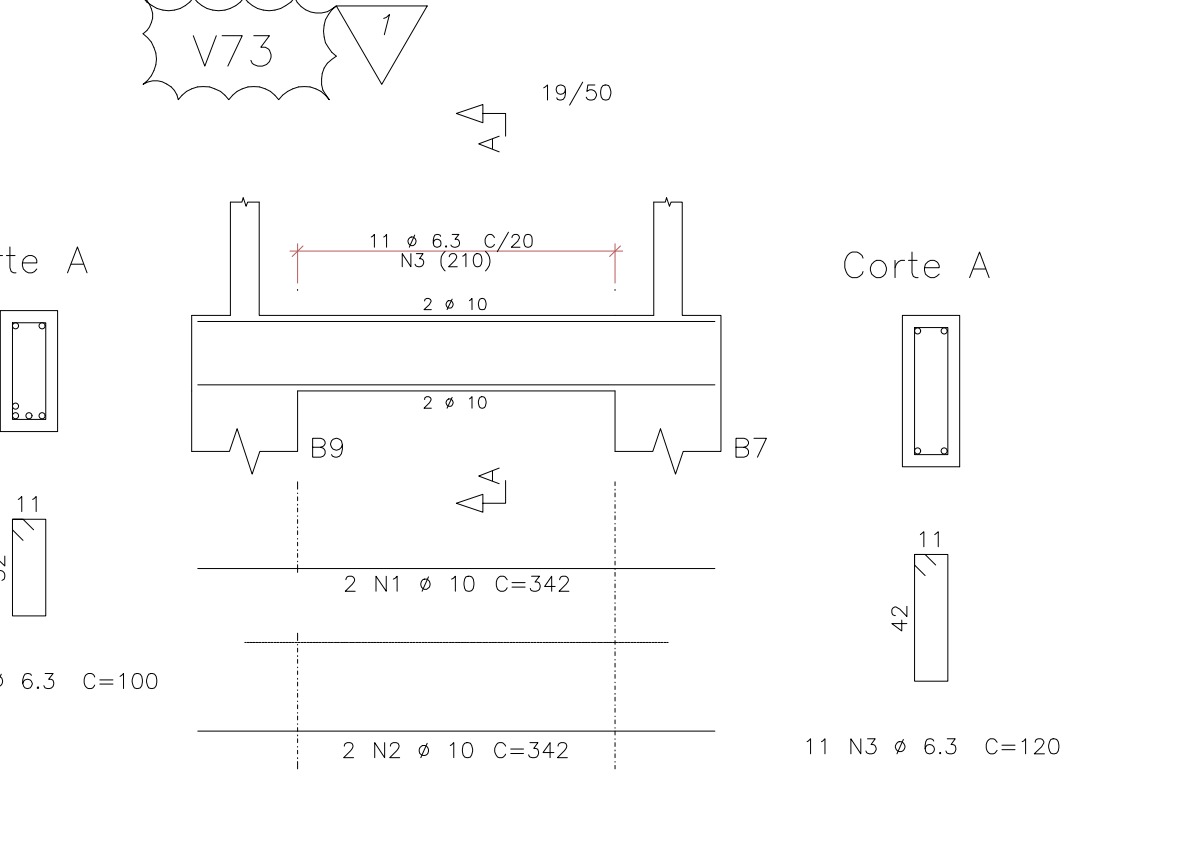
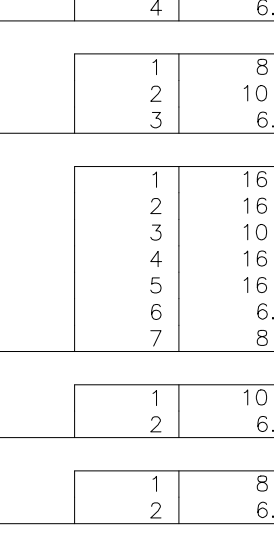
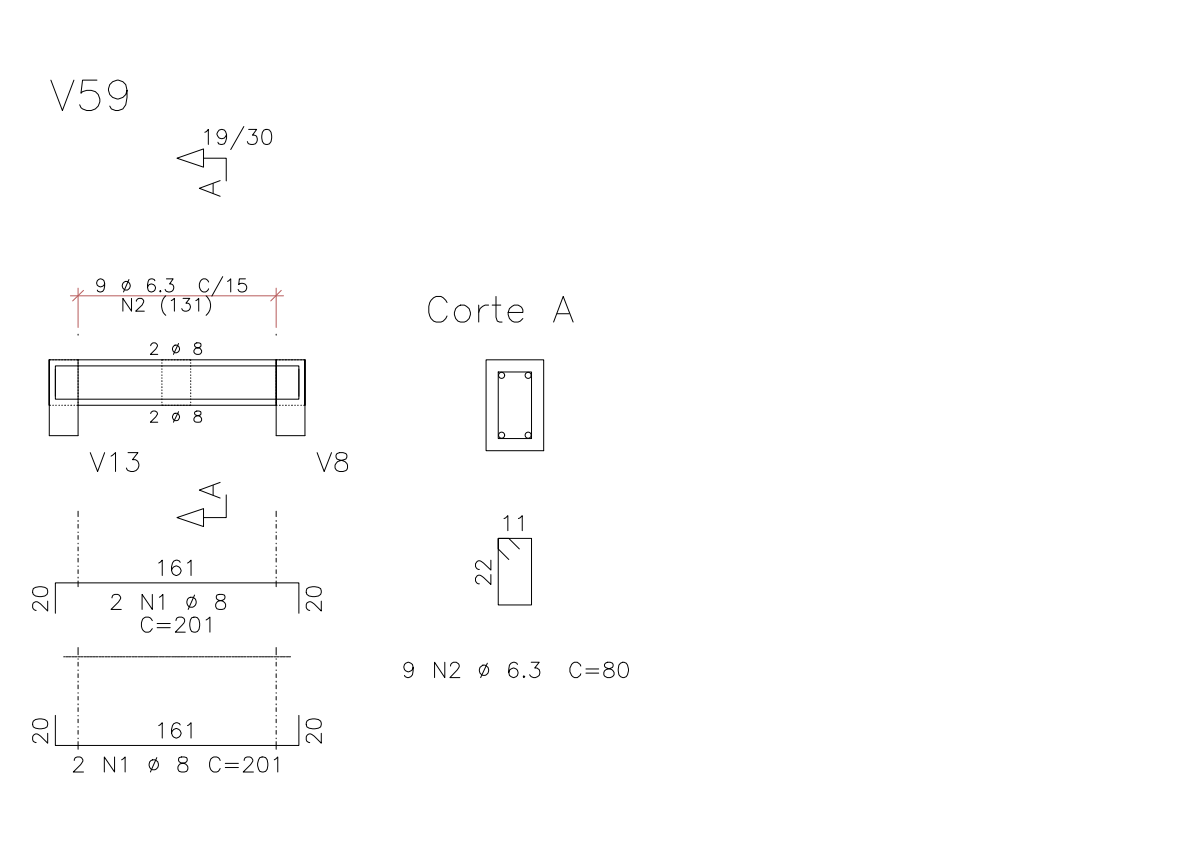
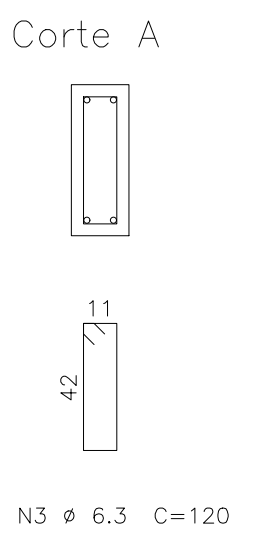
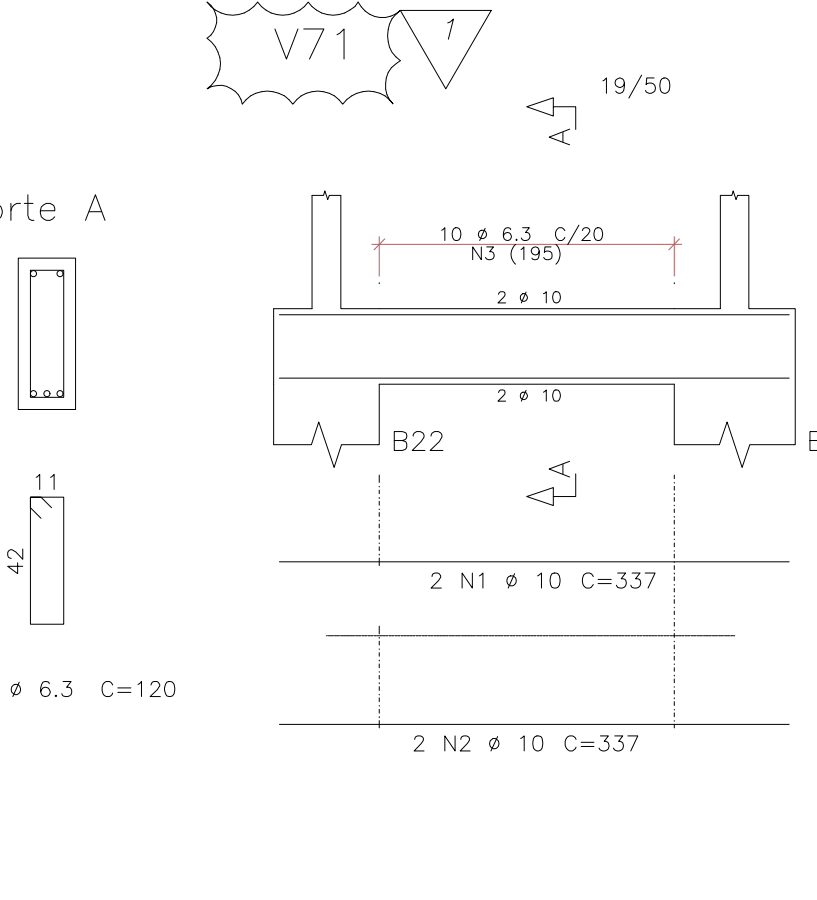
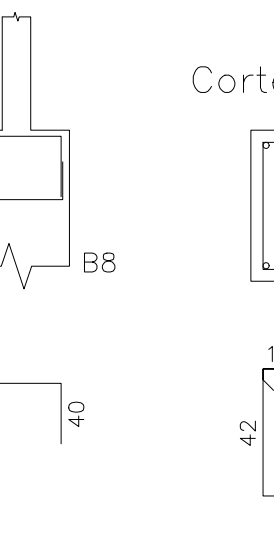
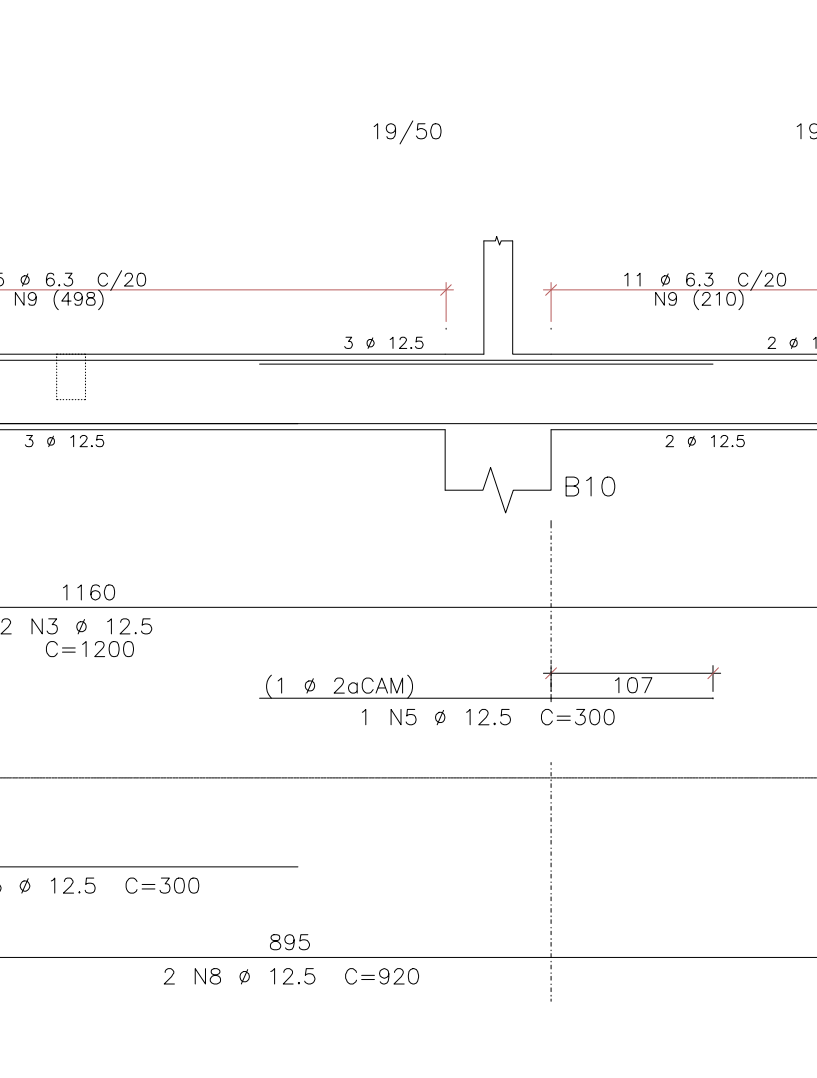
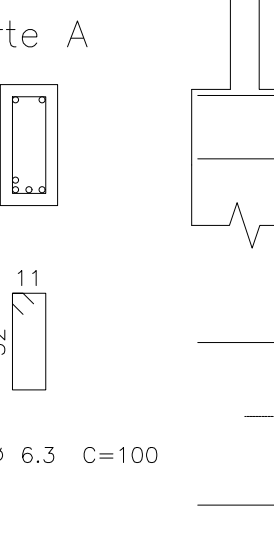
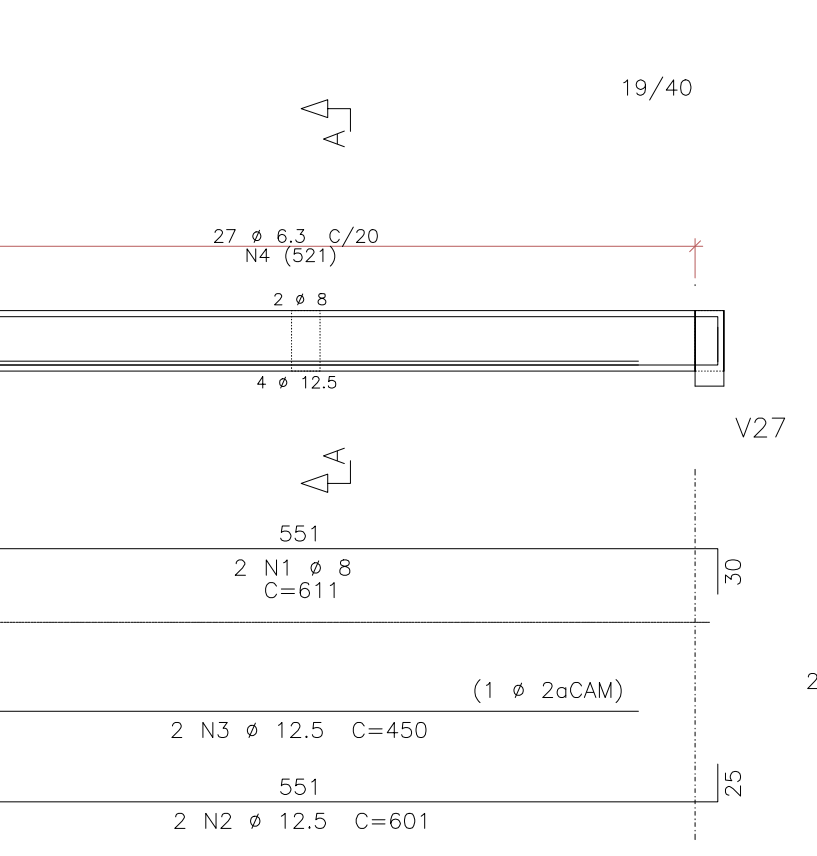
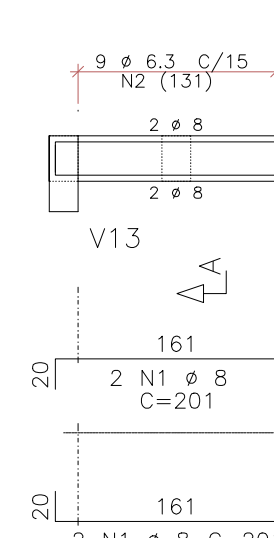
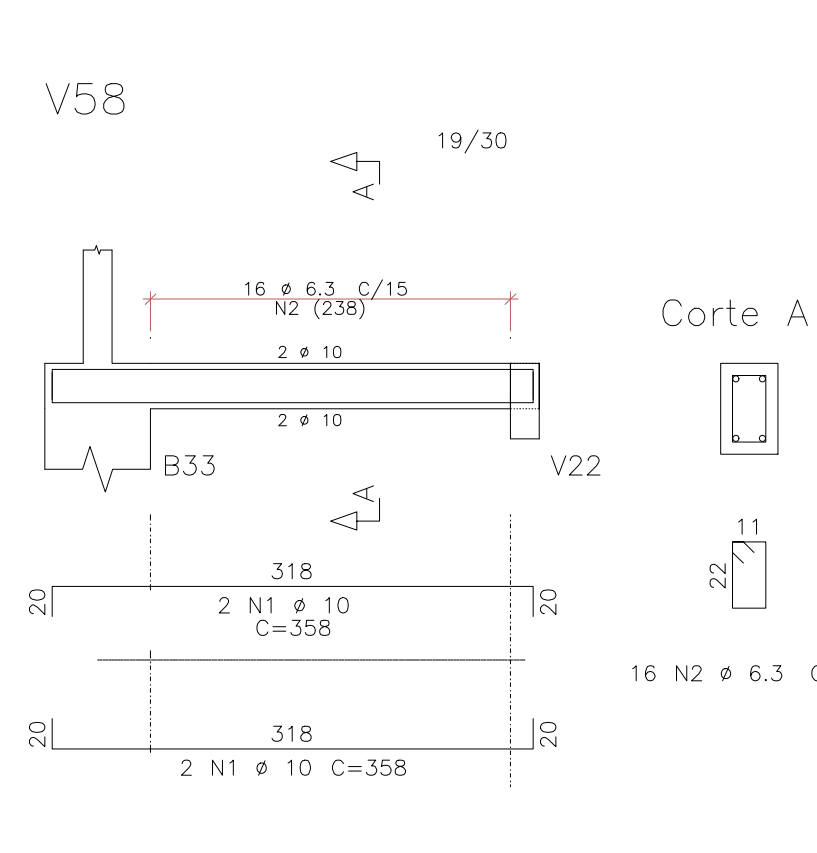
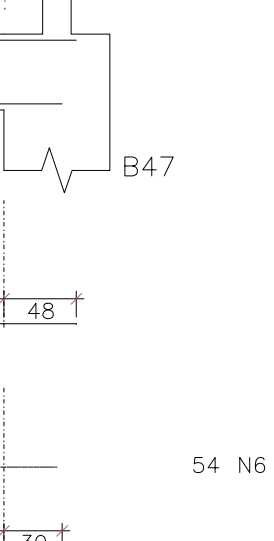
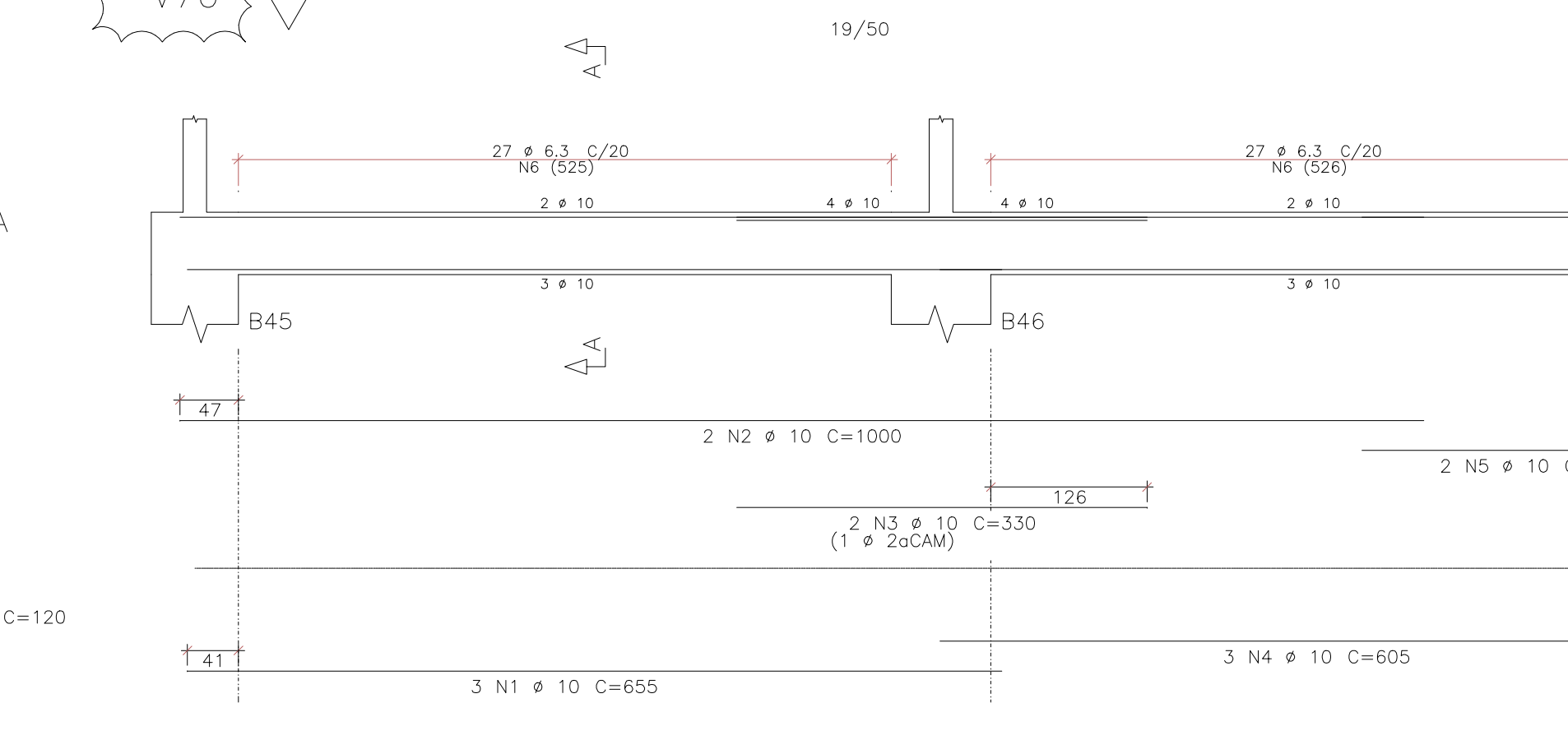
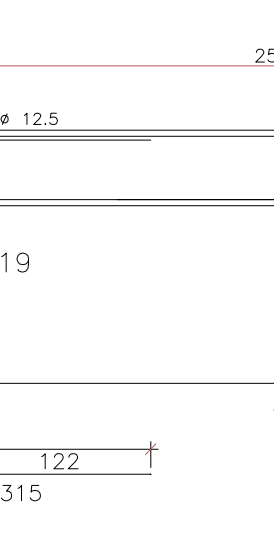
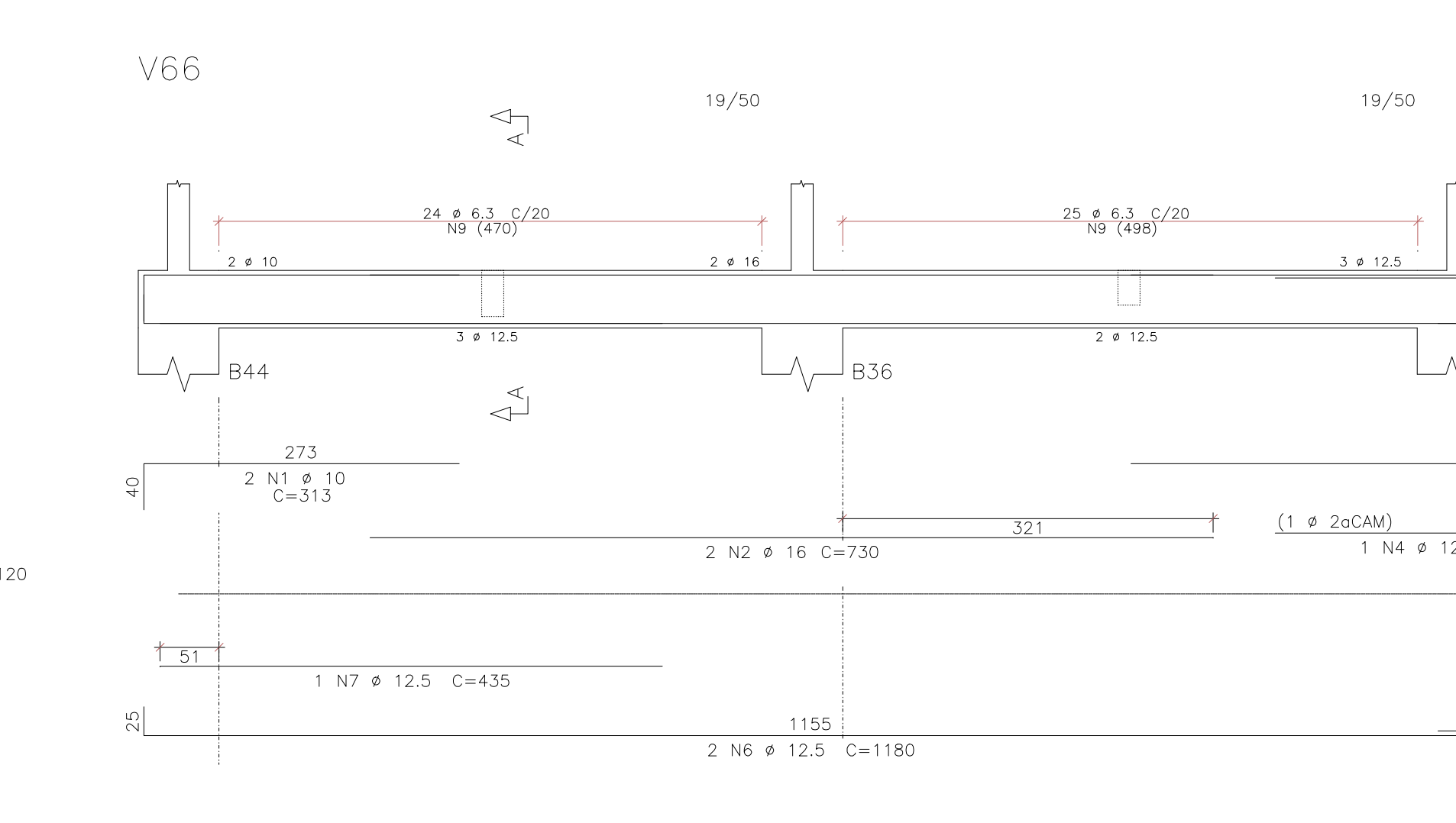
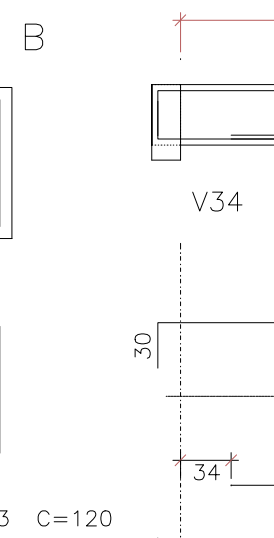
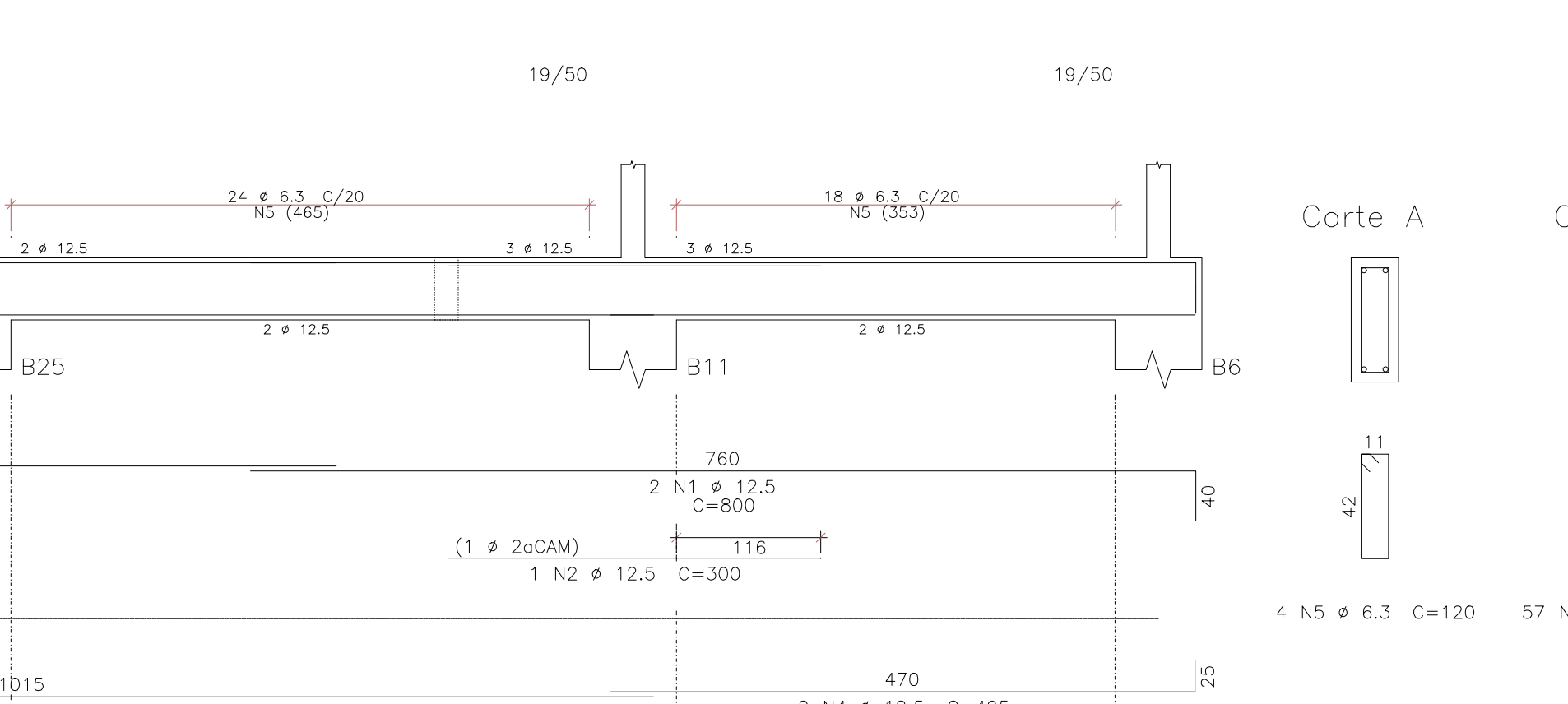
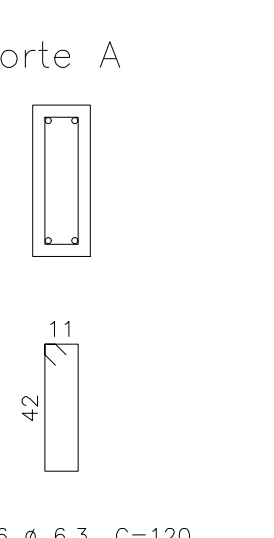
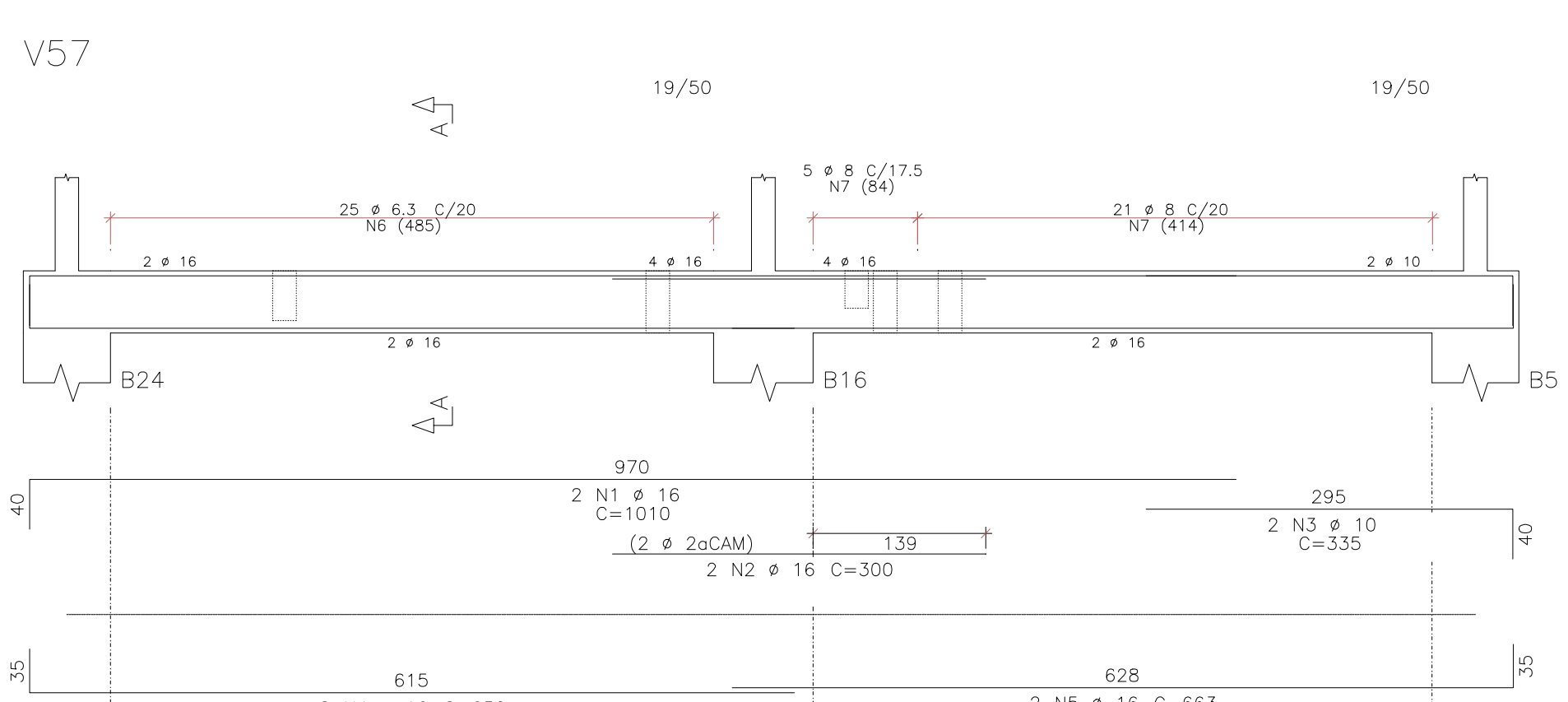
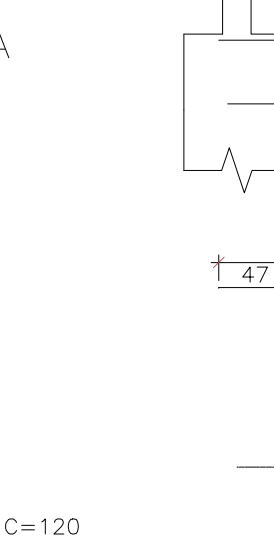
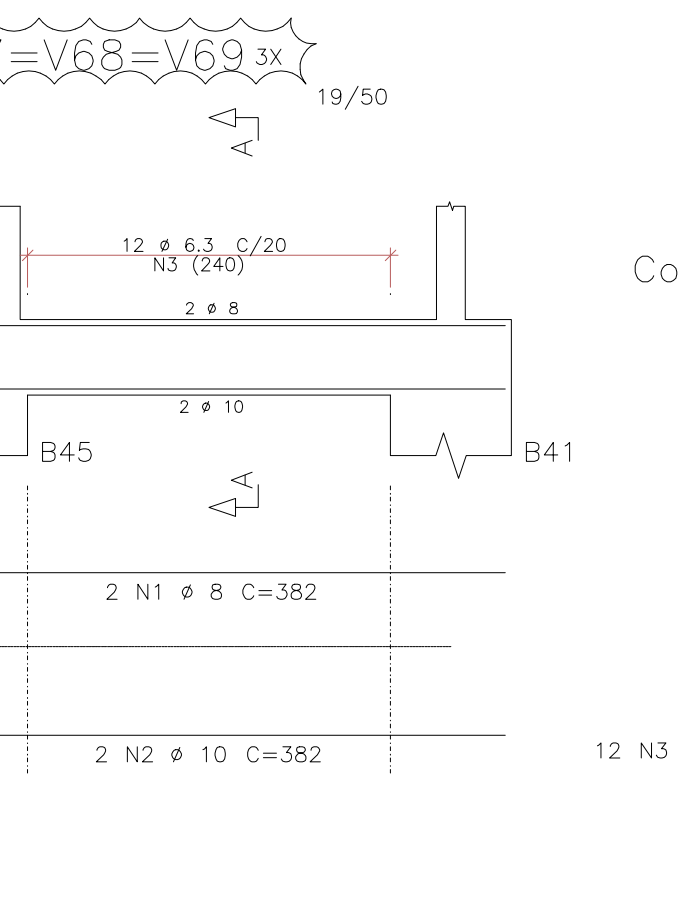
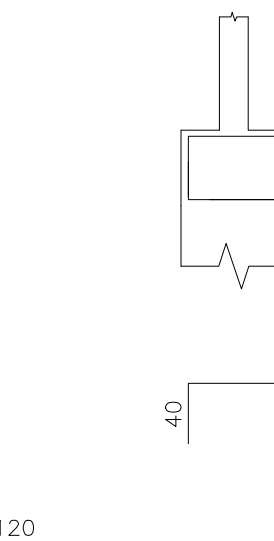
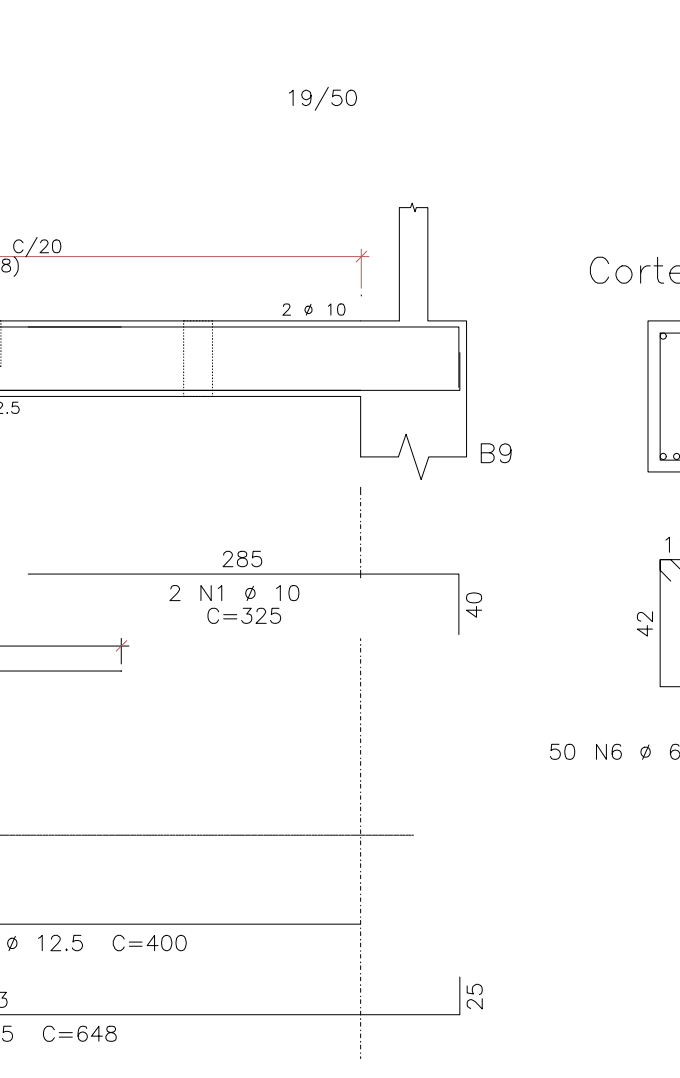
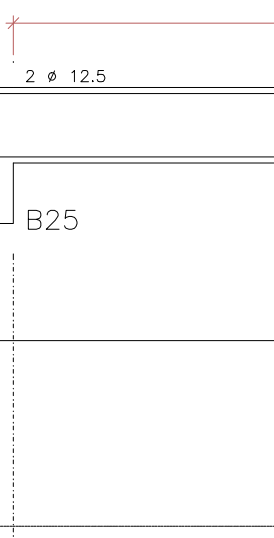
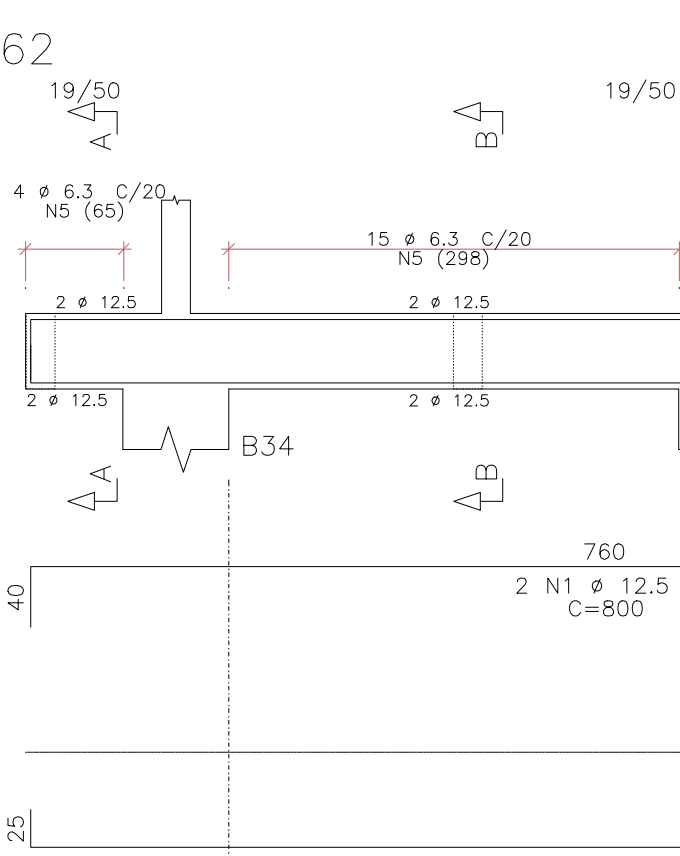
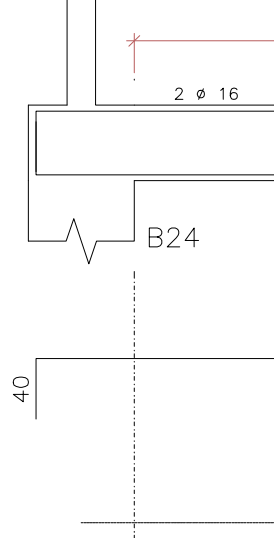
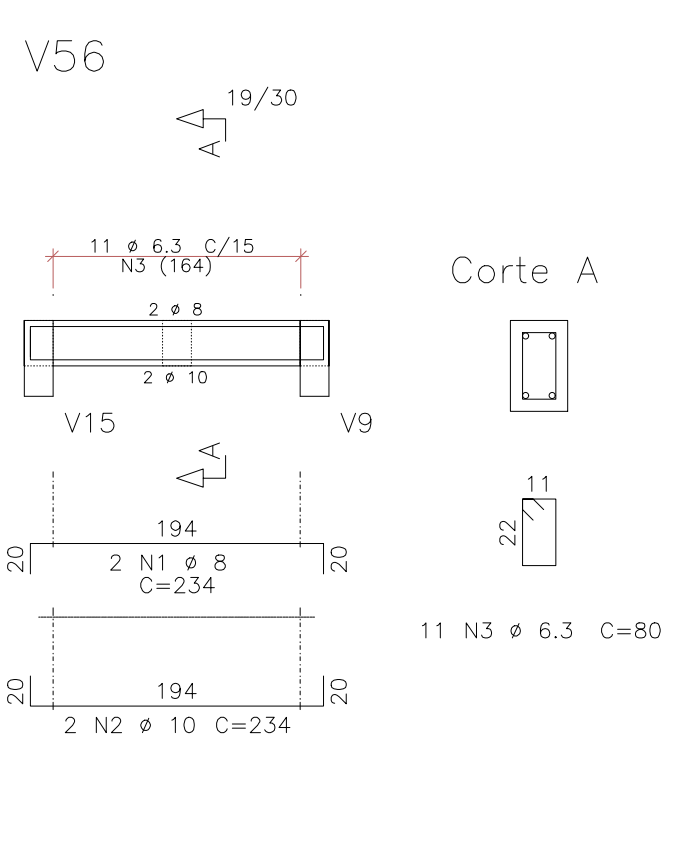
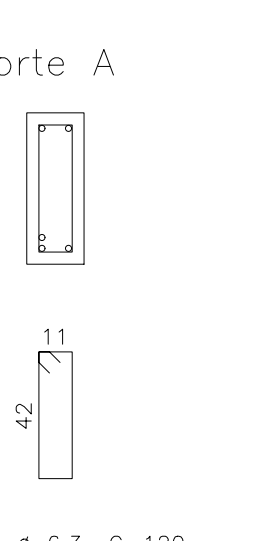
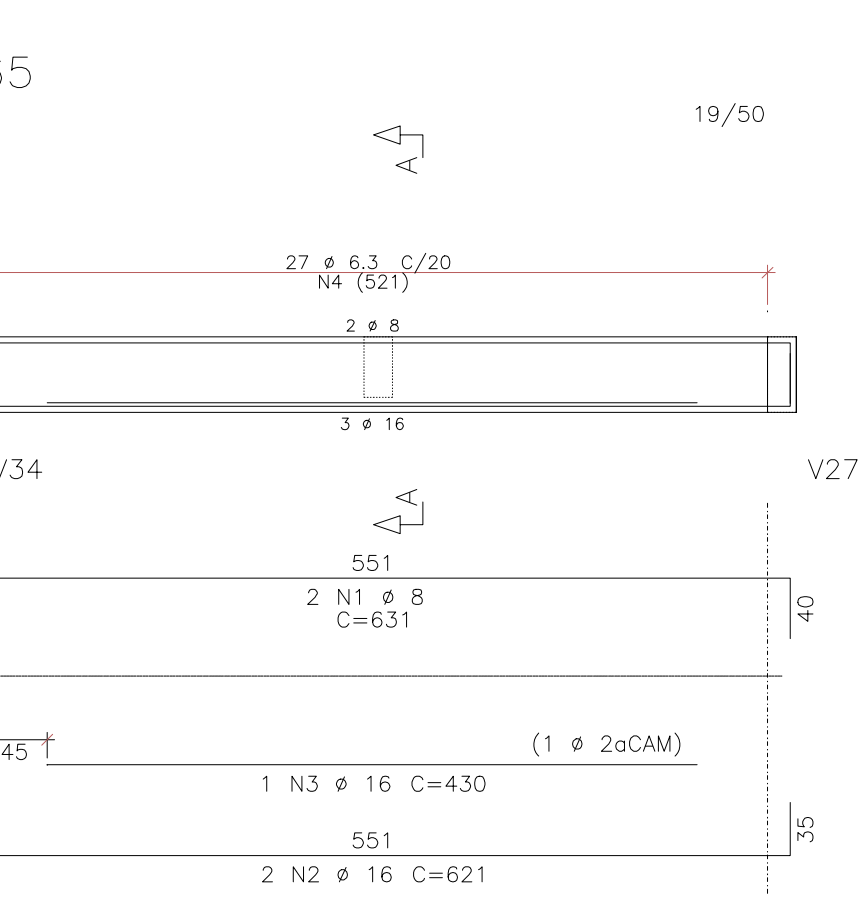
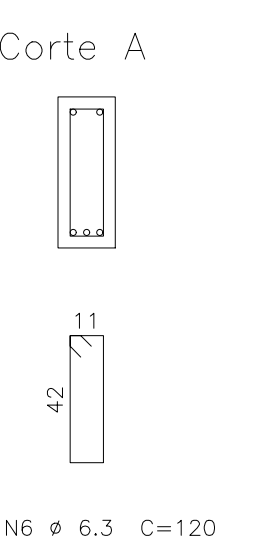
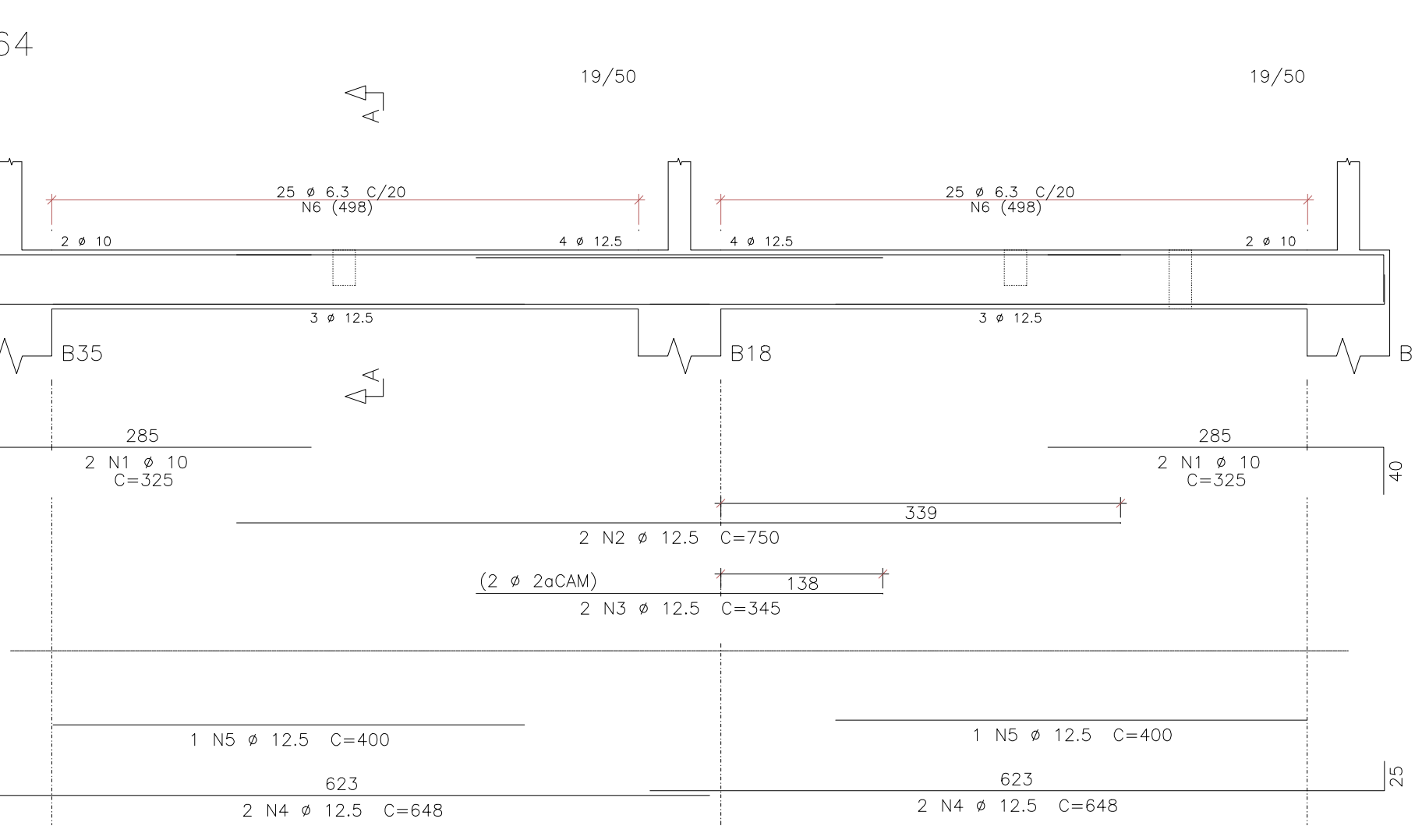
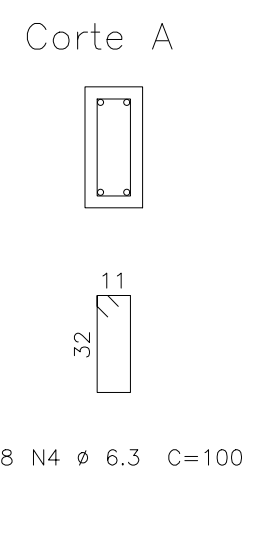
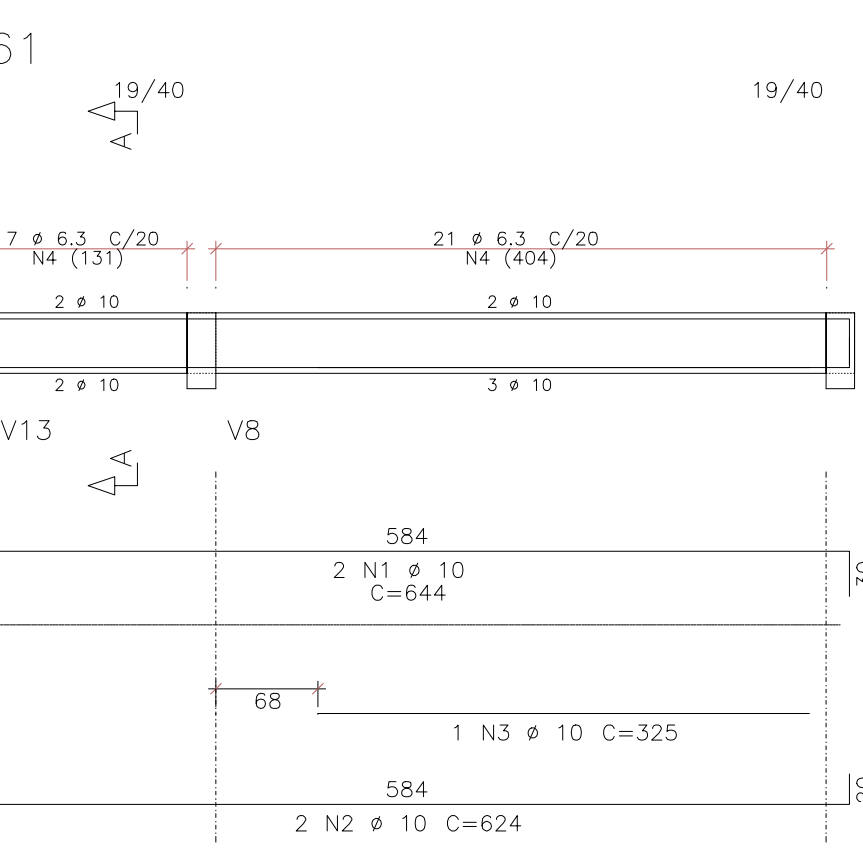
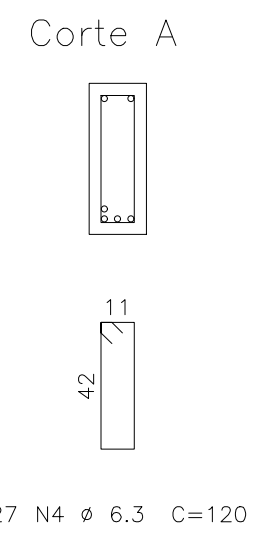
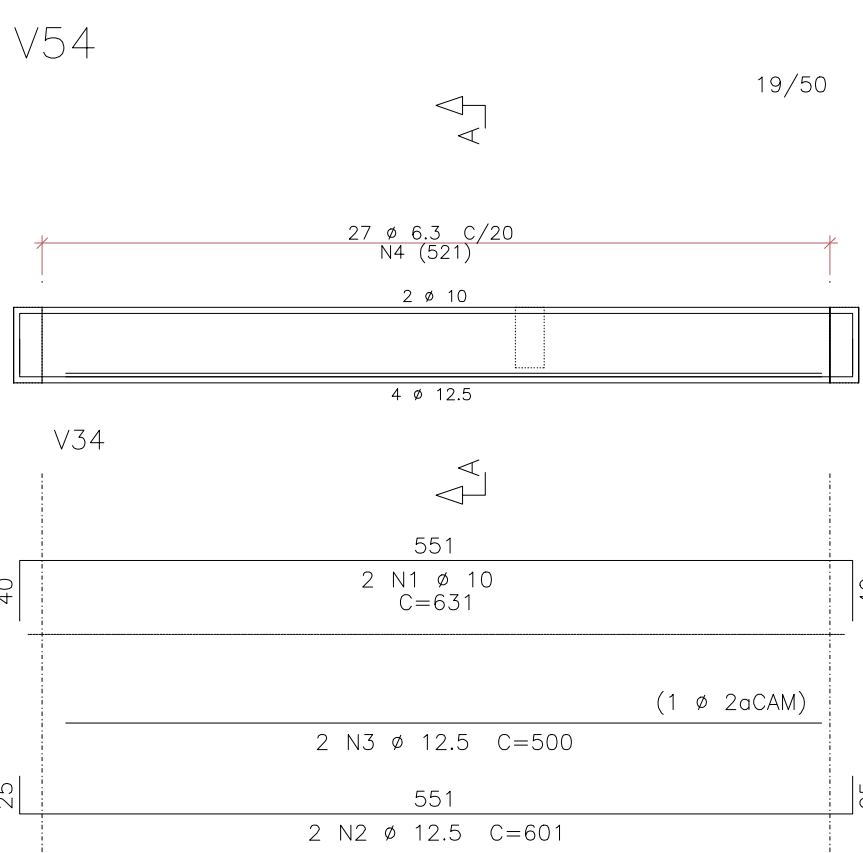


TABELA DE FERROS				
ELEM.	POS.	BIT. (mm)	QUANT.	COMPRIMENTO (cm)
V54	1	10	2	631
	2	12.5	2	601
	3	10	2	1000
	4	6.3	27	120
V56	1	8	2	234
	2	10	2	234
	3	6.3	11	80
	4	6.3	27	120
V57	1	16	2	1010
	2	16	2	300
	3	10	2	335
	4	16	2	650
	5	16	2	663
	6	6.3	27	120
	7	8	26	121
V58	1	10	4	358
	2	6.3	16	80
V59	1	8	4	201
	2	6.3	9	80
V61	1	10	2	644
	2	10	2	624
	3	10	1	325
V62	1	12.5	4	800
	2	12.5	1	300
V63	1	12.5	1	1040
	2	12.5	2	495
	3	6.3	61	120
	4	6.3	27	100
V64	1	10	4	325
	2	12.5	2	750
	3	12.5	2	345
	4	12.5	2	2592
	5	12.5	2	400
	6	6.3	50	120
V65	1	8	2	631
	2	16	2	621
	3	16	1	430
	4	6.3	27	120
V66	1	10	2	313
	2	16	2	730
	3	12.5	2	1200
	4	12.5	1	315
V67=V68=V69	1	10	2	300
	2	12.5	2	300
	3	12.5	2	1180
	4	12.5	1	435
	5	12.5	2	920
	6	6.3	85	120
V70	1	8	6	382
	2	10	6	382
	3	6.3	36	120
	4	6.3	54	120
V71	1	10	3	655
	2	10	2	1000
	3	10	2	330
	4	10	3	605
V72	1	10	2	337
	2	10	2	337
	3	6.3	10	120
	4	6.3	54	120
V73	1	10	2	342
	2	10	2	342
	3	6.3	11	120

RESUMO AÇO CA 50-60		
BITOLA (mm)	COMPR (m)	PESO (kg)
6.3	560	137
8	92	36
10	219	135
12.5	244	235
16	84	132
Peso Total	50	676 kg

R. Conuto de Aguiar, n.1401
Fortaleza/CE - Tel:(85)3456-5000
architectus@gmail.com

MHA Engenharia Ltda
Alameda Araguaia, 2.104, 2º andar
Barueri/SP - Tel:(011)2078-9000
http://www.mha.com.br

NOTAS

01 - MEDIDAS EM CENTIMETROS
02 - TABELA DE ARMADURA SEM A CONSIDERAÇÃO DE PERDAS
03 - COBRIMENTO VIGAS = 4.0cm.

DETALHES CONSTRUTIVOS:

DETALHES DE DOBRAMENTOS

BARRAS DOBRADAS

GANCHOS

	90°	45°	180°

DIÂMETRO DO PINO DE DOBRAMENTO dB

BITOLAS	AC	CC	CC	CC
	CC	CC	CC	CC
φ < 20mm	4 φ	5 φ	5 φ	6 φ
φ ≥ 20mm	5 φ	5 φ	8 φ	

ESTRIBO

	φ ≤ 10mm	3 φ	3 φ	3 φ
10 < φ < 20	4 φ	5 φ	5 φ	
φ > 20mm	5 φ	8 φ	8 φ	

1	REVISADO ONDE INDICADO	17/01/2019	CLAUDIO	MARCELO
0	EMISSÃO INICIAL	20/12/2018	CLAUDIO	MARCELO
Revisão n°	Descrição	Data	Projetista	Aprovação

PROSUS

SECRETARIA DE SAÚDE DO ESTADO DA BAHIA-SESAB

Unidade/Orgão:	Município:	Bairro:
CENTRO DE ATENÇÃO PSICOSSOCIAL / SESAB	SALVADOR	PAU DA LIMA
Nome do projeto:	Projeto:	Escala:
PROJETO EXECUTIVO DE ESTRUTURA	DA FUNDAÇÃO - 4/4	1:50
Título:	Data:	Folha:
ARMADURA DAS VIGAS	20/12/2018	EST 009
Responsável Técnico:	Coord. elab. de projetos:	
MARIA ELISA V. GERMANO	MARIA TEREZA DE CARVALHO BRAGA	
Arquivo:	Topografia:	Desenho:
028_PE_EST_008_CAPS III_PAU DA LIMA_TER_R01.dwg		