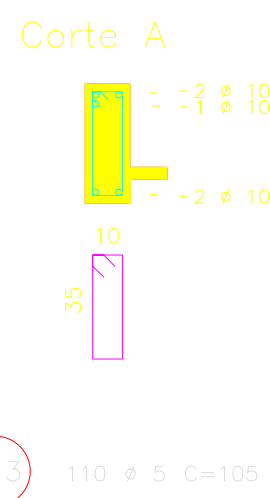
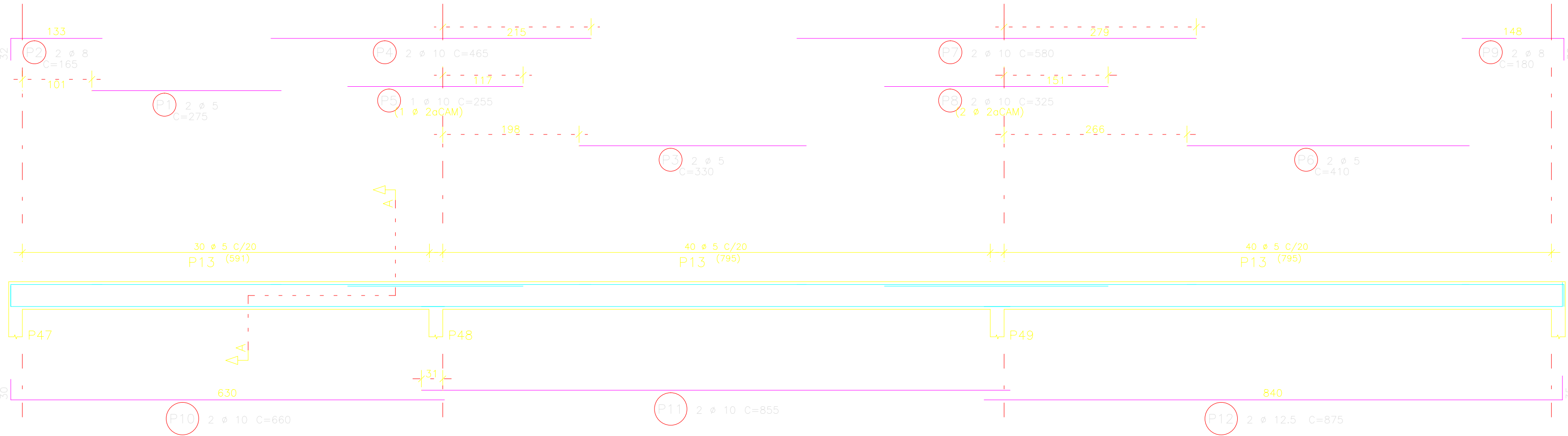
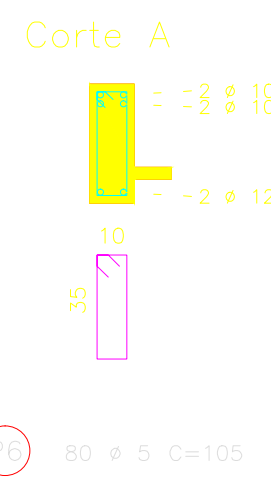
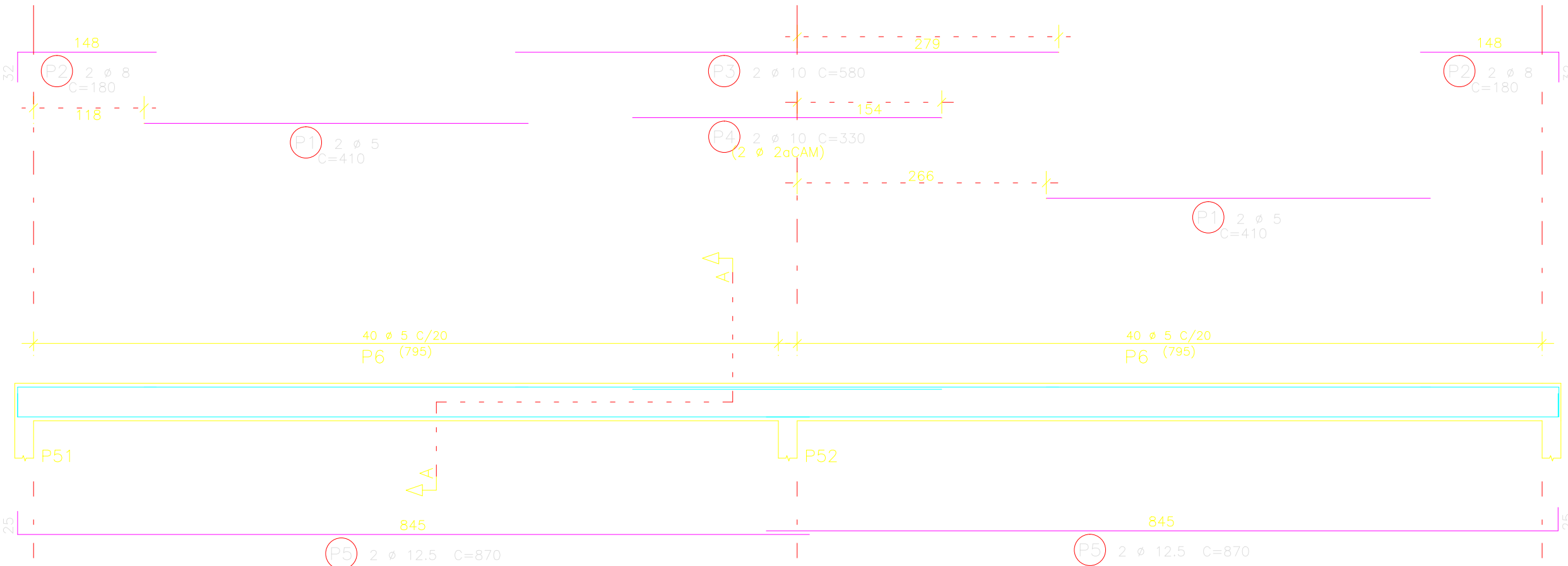


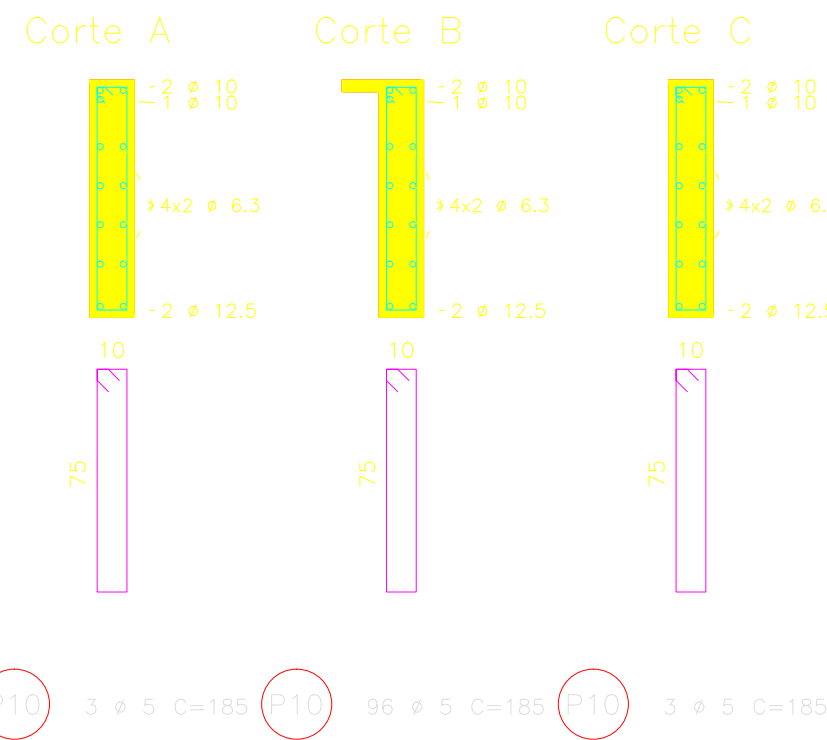
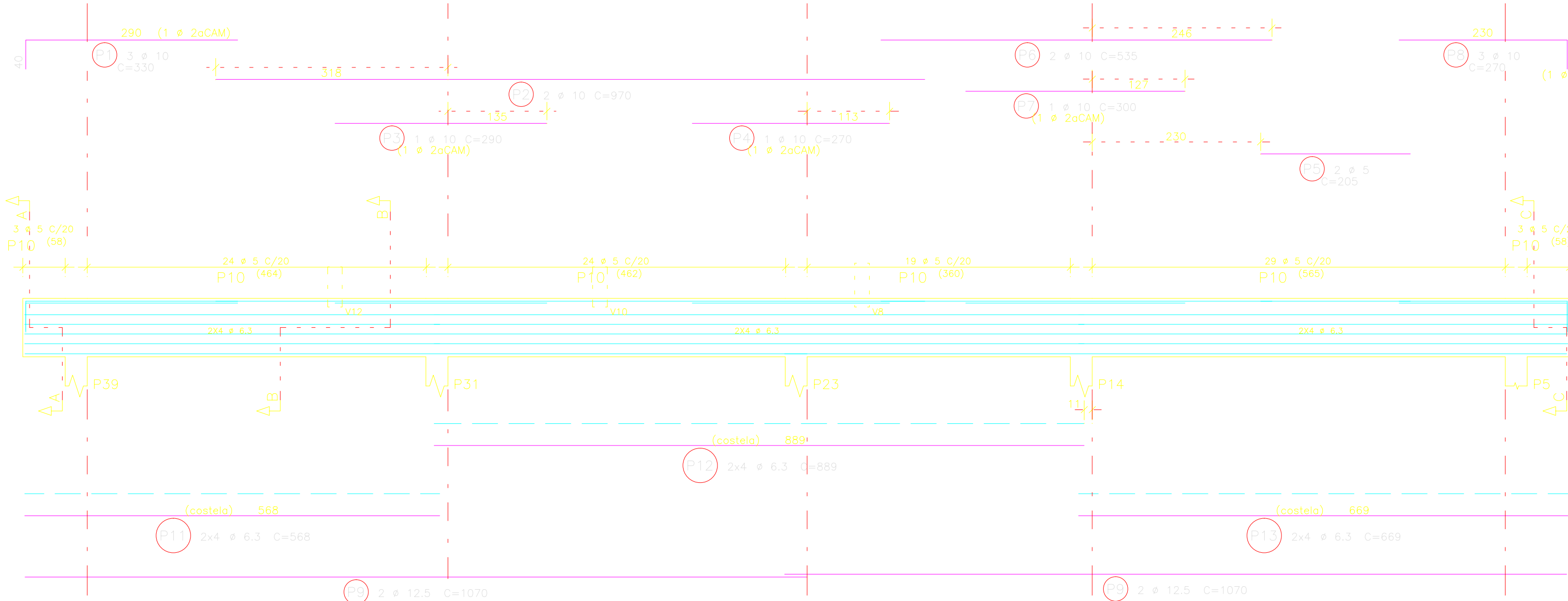
V16 15/40



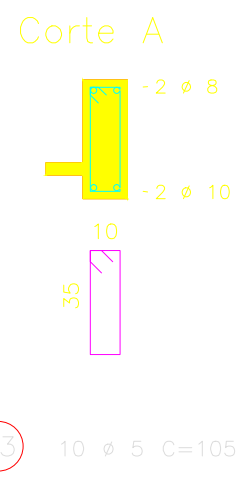
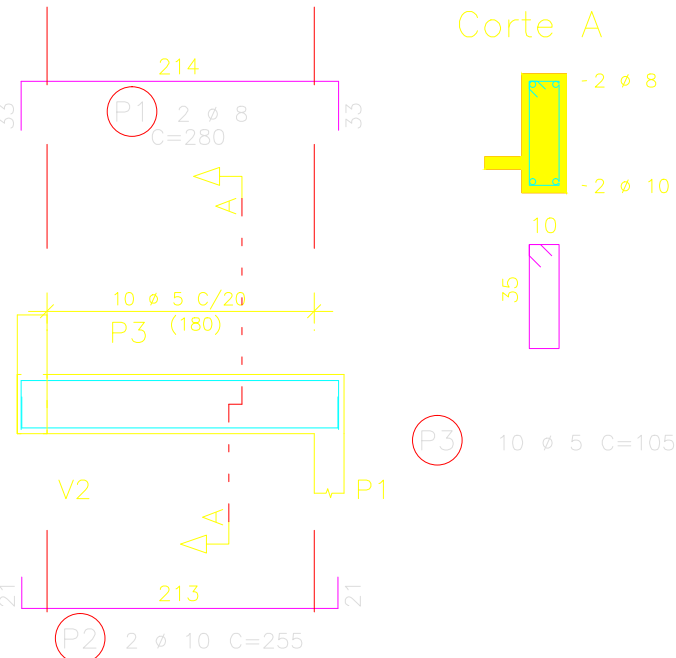
V17 15/40



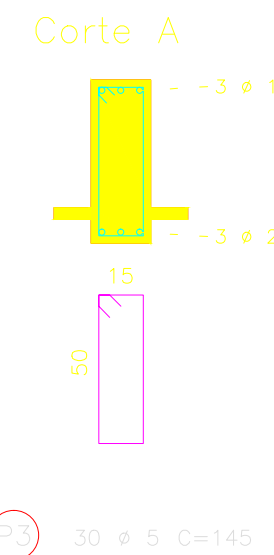
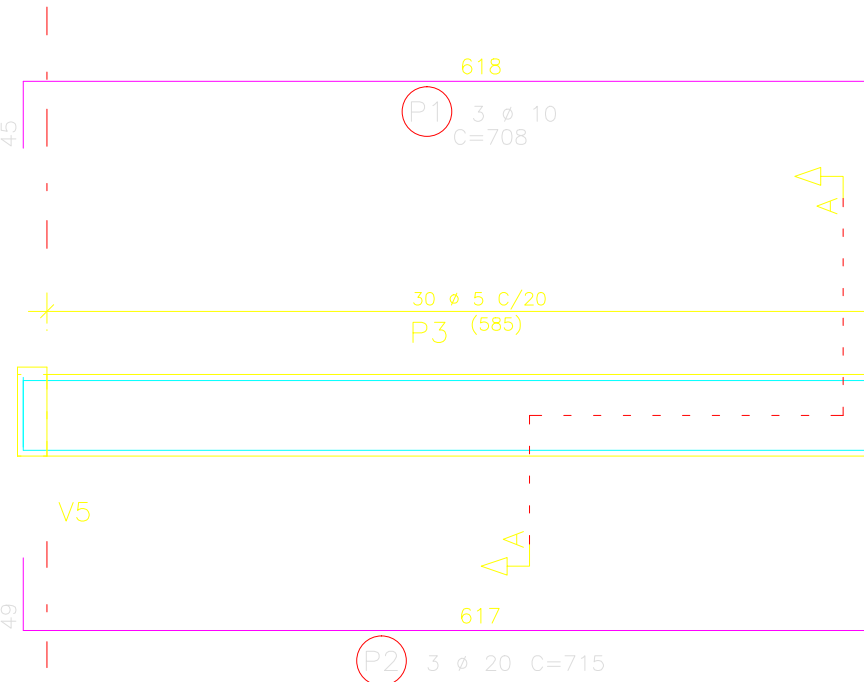
V18 15/80



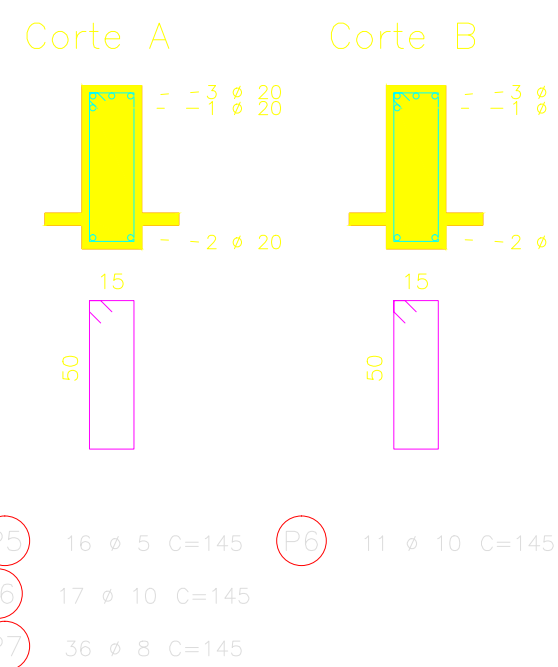
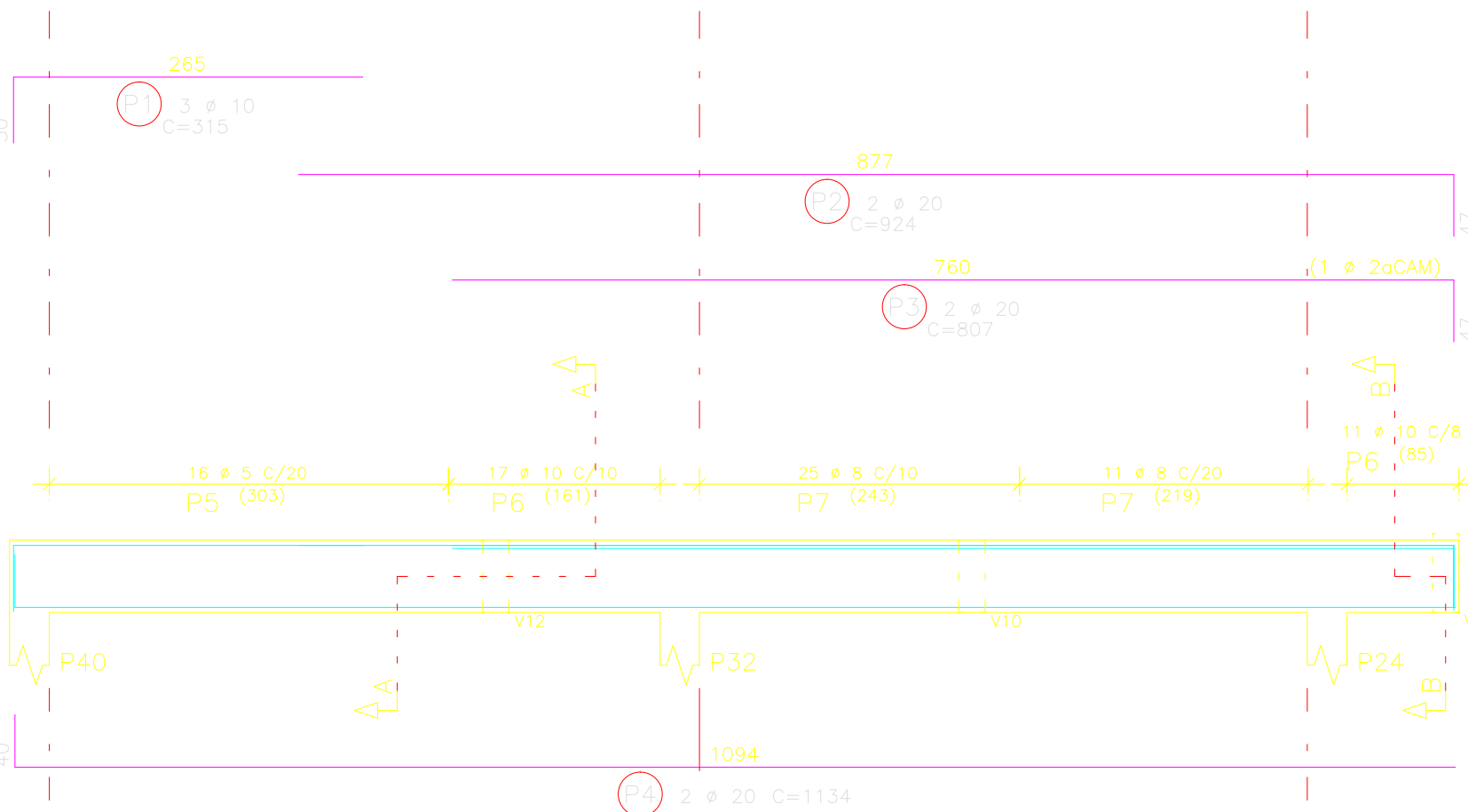
V21 15/40



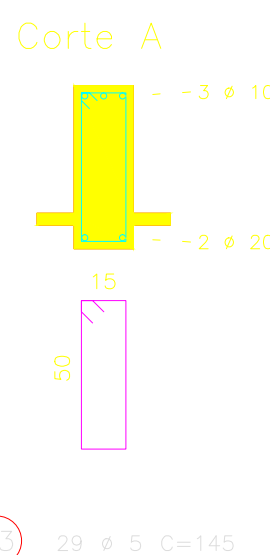
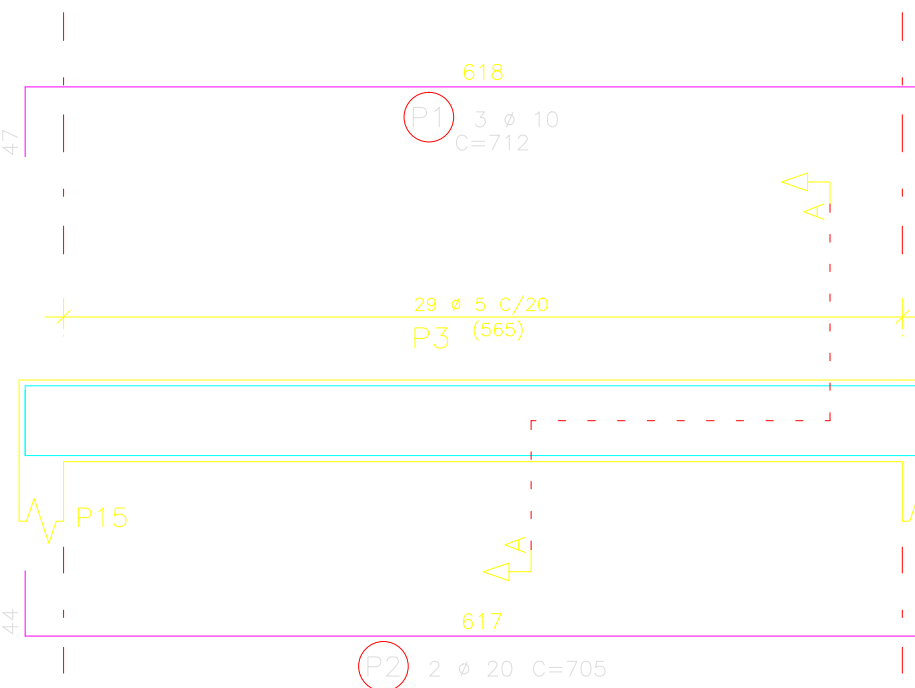
V22 20/55



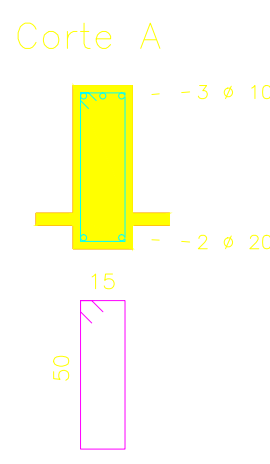
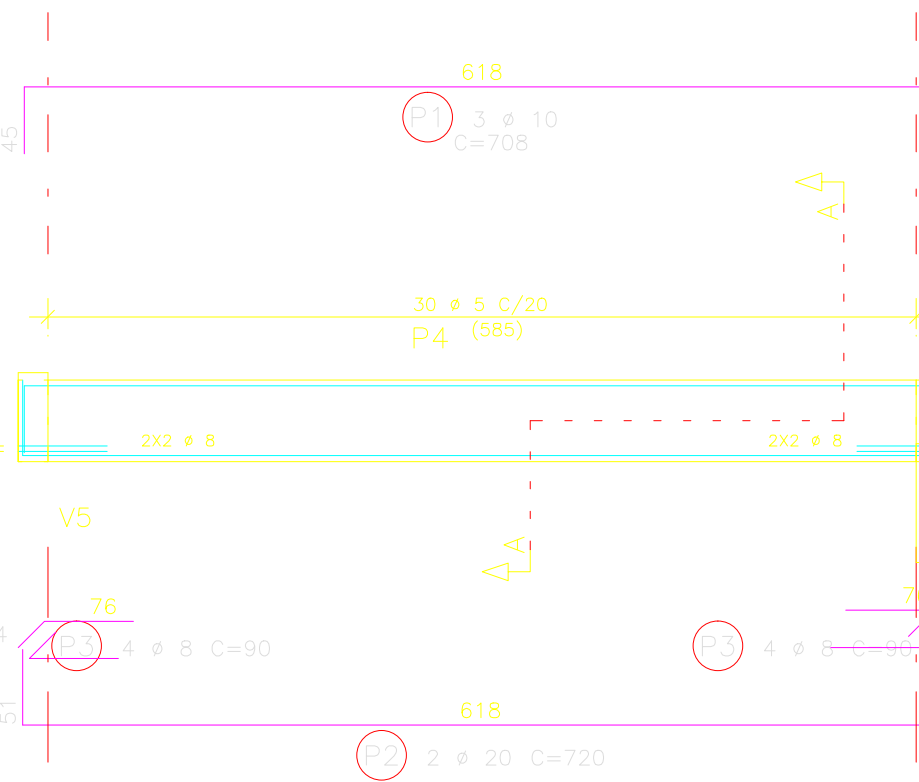
V23 20/55



V24 20/55



V25 20/55



AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNIT (cm)	TOTAL (cm)
V15	50A	1	6.3	2	295
	50A	2	10	8	220
	50A	3	20	2	530
	50A	4	20	2	460
	50A	5	6.3	2	320
	50A	6	16	2	280
	50A	7	16	2	460
	50A	8	16	2	460
	50A	9	16	2	225
	50A	10	20	2	870
	50A	11	16	2	1390
	50A	12	6.3	40	195
	50A	13	2	8	1660
	50A	14	8	16	833
	50A	15	6.3	8	690

V16	60	1	5	2	275
	60	2	8	2	165
	60	3	10	2	330
	60	4	10	2	465
	60	5	10	2	235
	60	6	5	1	410
	50A	7	10	2	580
	50A	8	10	2	325
	50A	9	8	1	180
	50A	10	10	2	1710
	50A	11	10	2	875
	60	13	5	110	105
	50A	2	8	4	180
	50A	3	10	2	480
	50A	4	10	2	330

V17	60	1	5	4	410
	60	2	8	4	160
	60	3	10	2	480
	50A	4	10	2	330
	50A	5	12.5	2	870
	60	6	5	80	105
	50A	1	10	3	330
	50A	2	10	2	970
	50A	3	10	2	290
	50A	4	10	1	270
	60	5	5	1	205
	50A	6	10	2	535
	50A	7	10	2	300
	50A	8	10	1	270
	60	10	5	102	185

V19	50A	1	10	2	352
	50A	2	10	2	360
	60	3	5	14	155
	60	4	6.3	8	310
	50A	1	8	2	275
	50A	2	10	2	255
	60	3	5	10	105
	50A	1	10	3	708
	50A	2	20	3	715
	60	3	5	30	145
	50A	1	10	3	315
	50A	2	20	2	924
	50A	4	20	2	887
	50A	5	5	16	145
	50A	6	10	28	145

V20	50A	1	10	3	712
	50A	2	20	2	705
	60	3	5	29	145
	50A	1	10	3	708
	50A	2	20	2	720
	60	4	5	30	145
	50A	1	10	3	315
	50A	2	20	2	924
	50A	4	20	2	887
	50A	5	5	16	145
	50A	6	10	28	145
	50A	7	8	36	145
	50A	8	10	1	270
	50A	9	10	1	270
	50A	10	10	1	270

RESUMO AÇO CA 50=60				
AÇO	BIT (mm)	COMPR (m)	CA	PESO (kg)
60	5	780		125
50A	6.3	285		71
50A	8	285		114
50A	10	268		95
50A	12.5	95		143
50A	16	90		146
50A	20	146		365
Peso Total			60 =	125 kg
Peso Total			50A =	970 kg

NOTA:
- CONTER INFORMAÇÕES DA TABELA ACIMA
- NA OBRA ANTES DA COMPRA DAS ARMADOURAS

MEIDAS EM CENTIMETROS E NÍVEIS EM METROS	VERIFICAR MEDIDAS E NÍVEIS NA OBRA
SOBRECARGA: kg/m2	CONCRETO: fck > 25MPa
	AÇO: VER TABELA

Rev. Nº	Data	Descrição das Modificações
Proprietário		
FUNDAÇÃO UNIVERSITÁRIA DE DESENVOLVIMENTO DE EXTENSÃO E PESQUISA		
Cálculos		
Christiano Edmundo Cintra Esquele Filho - Engº Civil - CREA 0205598840		

CTINFRA - NÚCLEO QUÍMICA

PROJETO ESTRUTURAL



AC2 ENGENHARIA LTDA
ac2engenharia@gmail.com

ÁREAS
Construção: 1.194,25m²
Cobertura: 1.195,51m²

ESTRUTURAL

DESENHO

01

Data: 25/10/2013

Escala: Indicada

FOLHA: 08/10