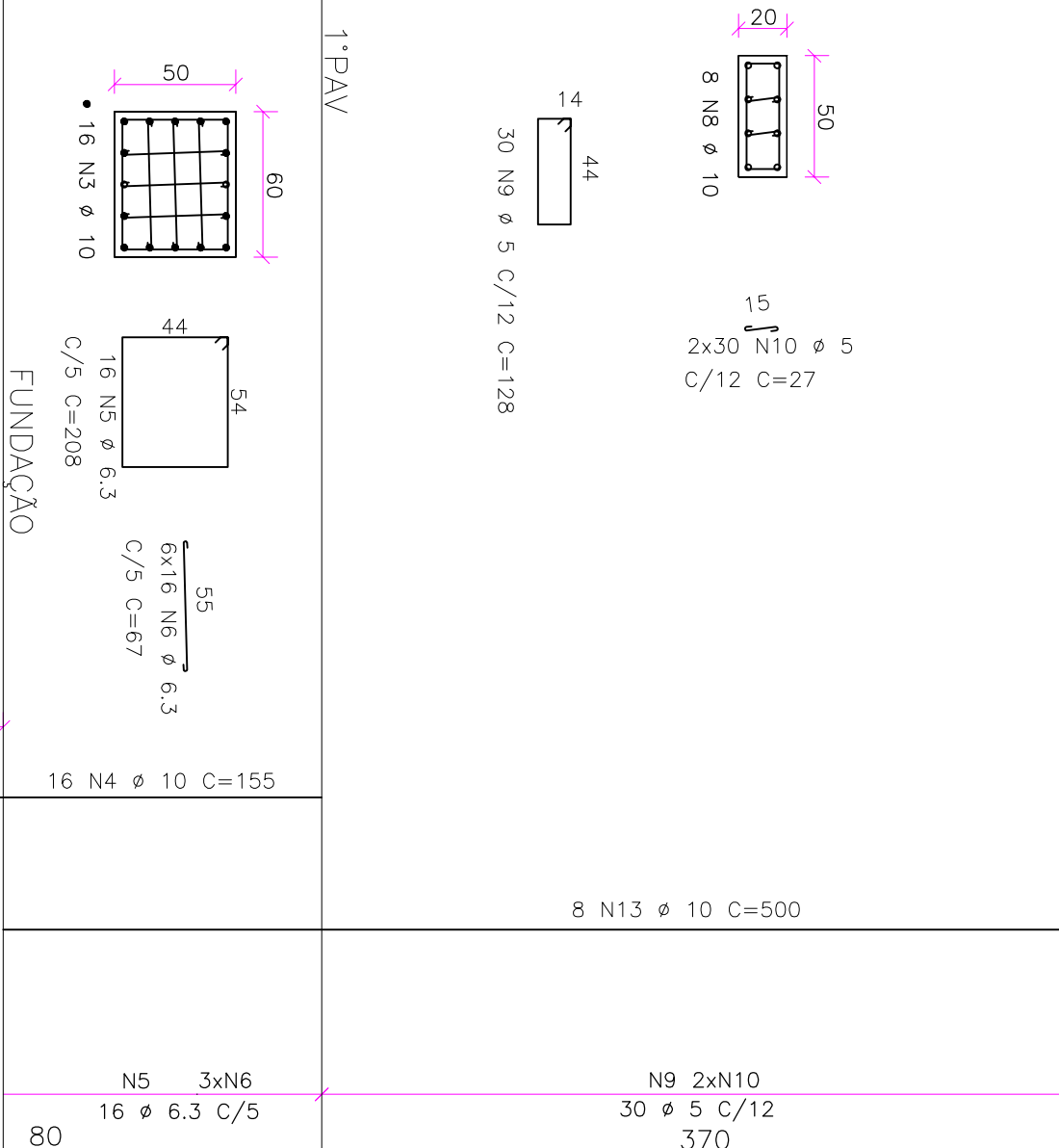
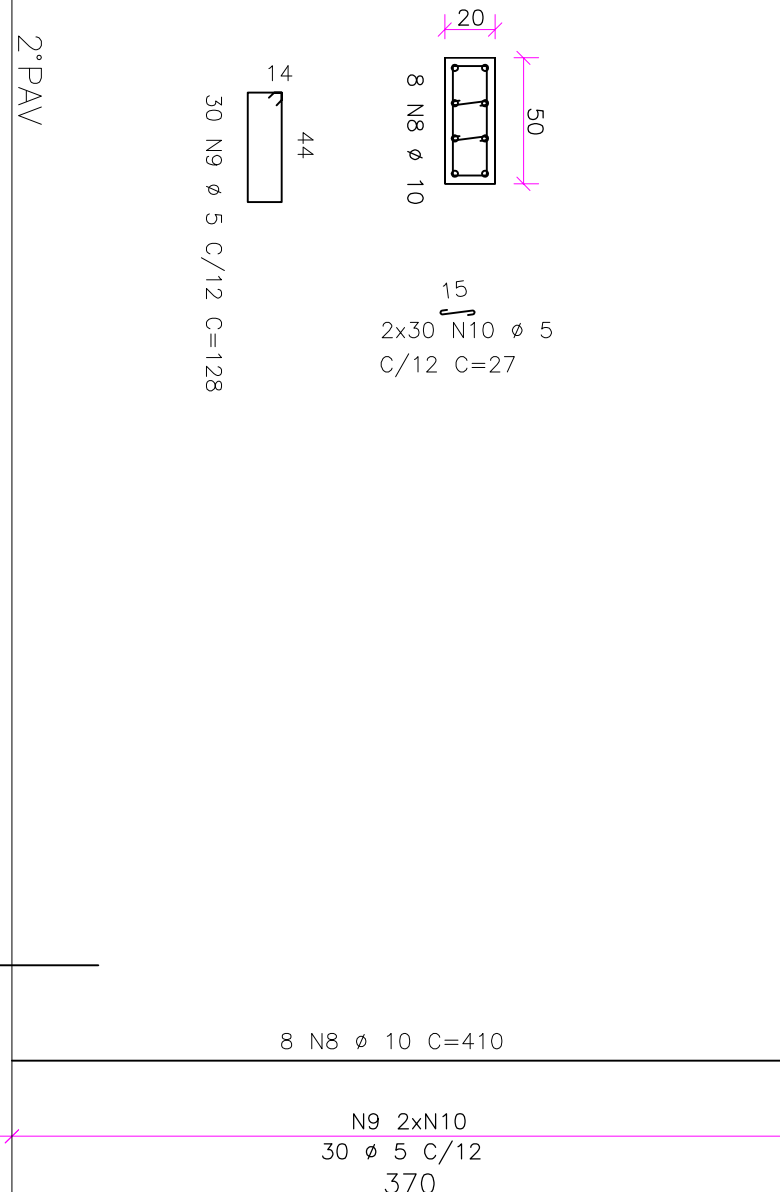
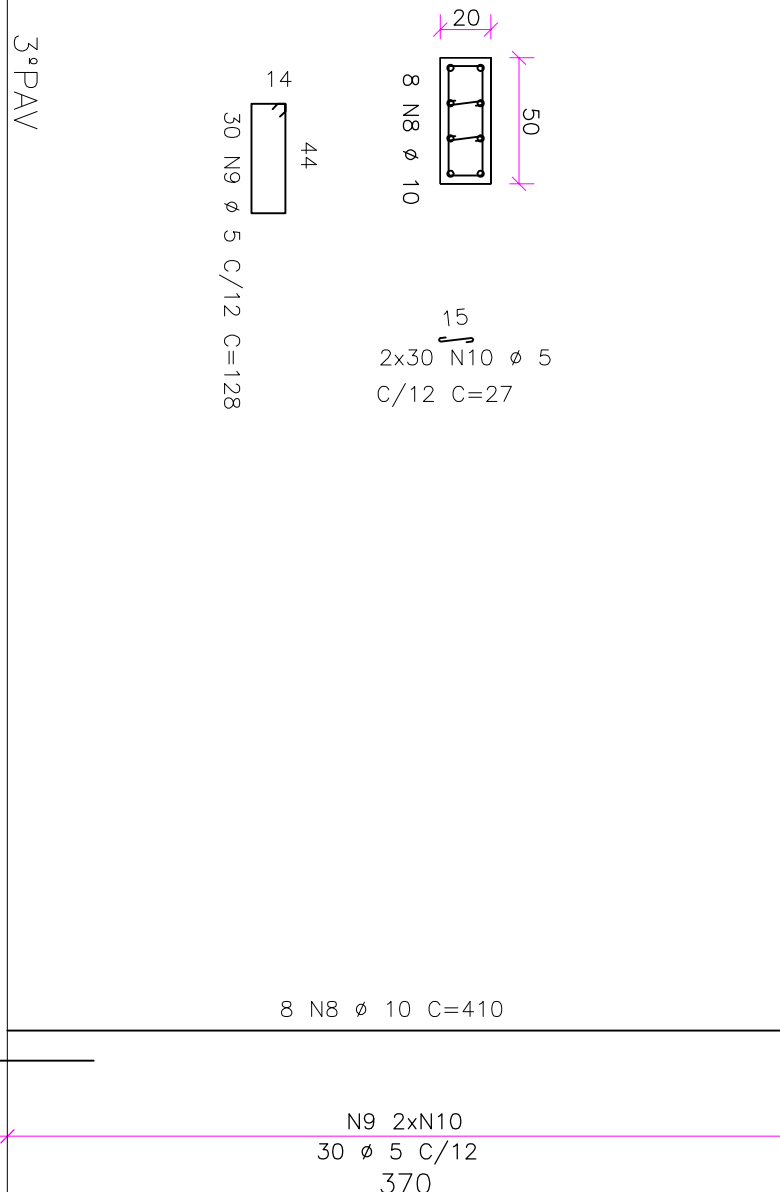
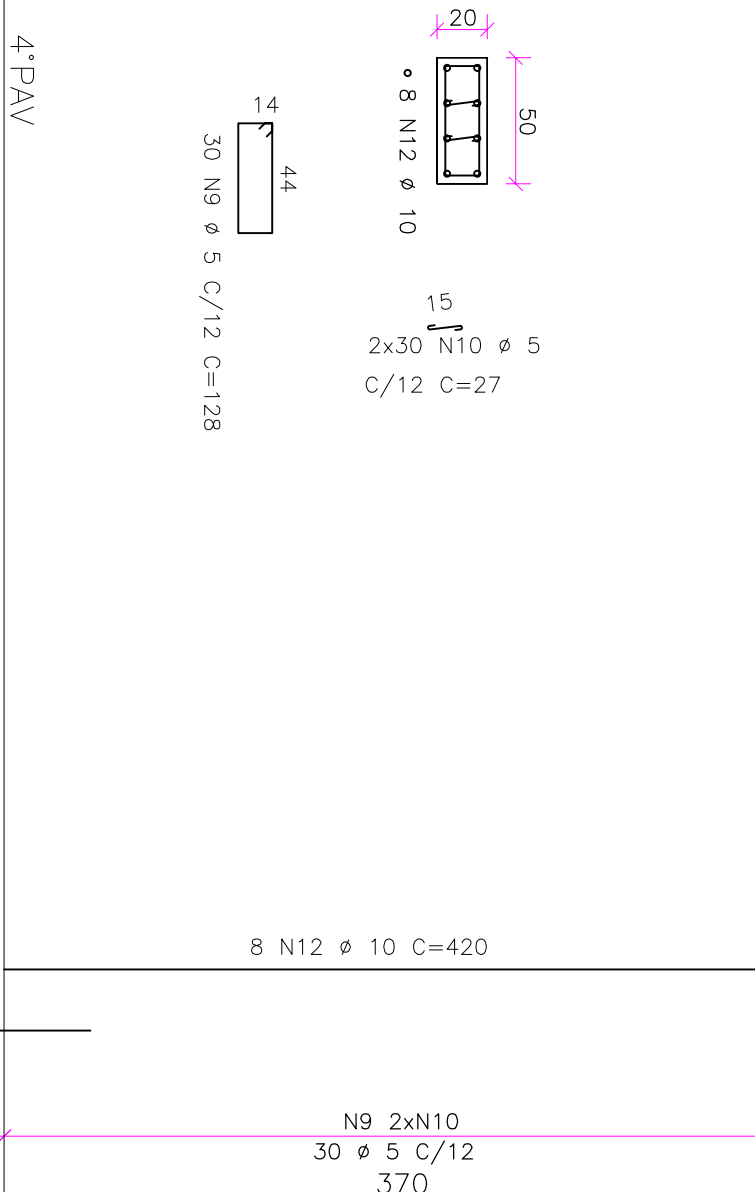


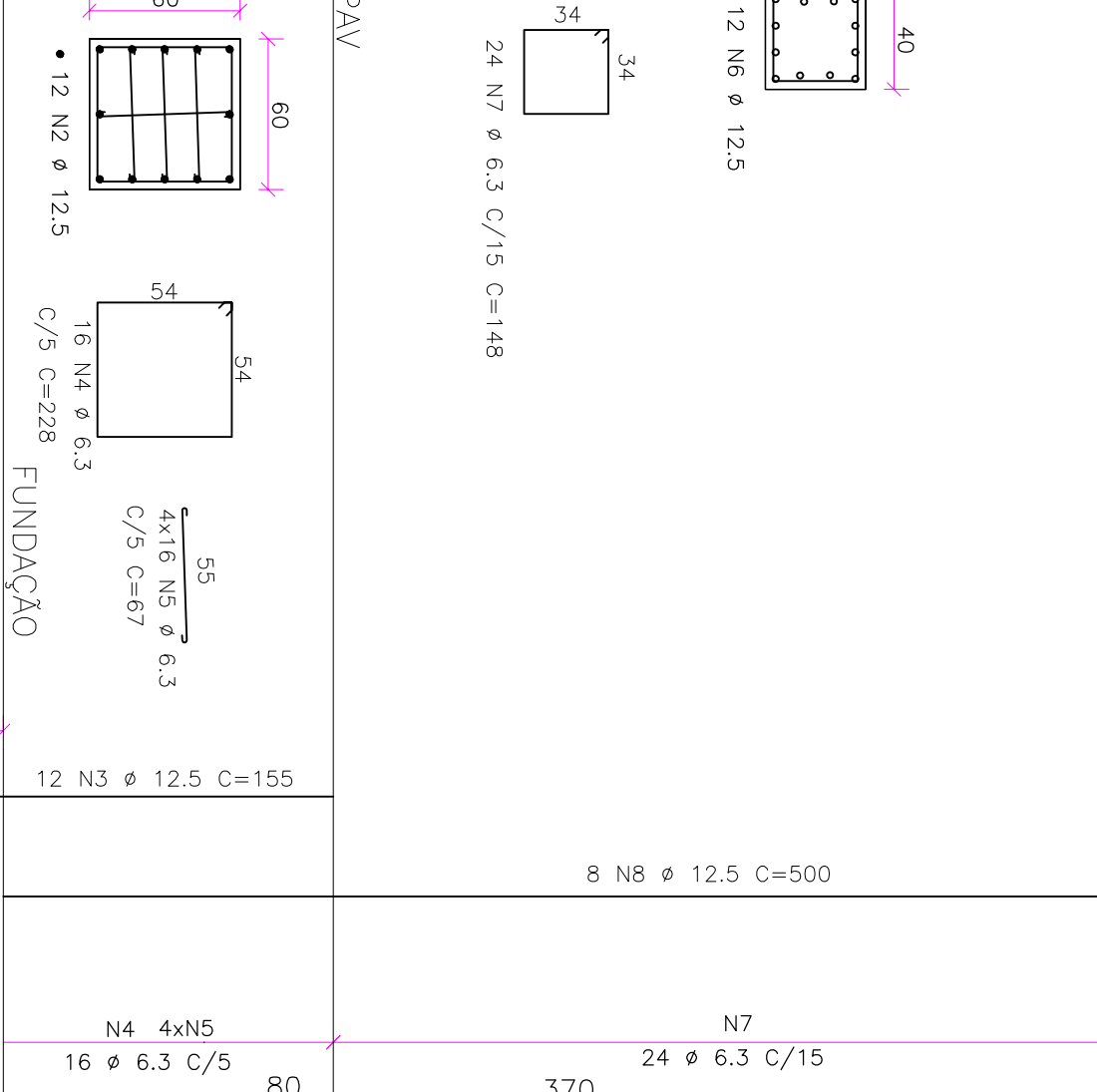
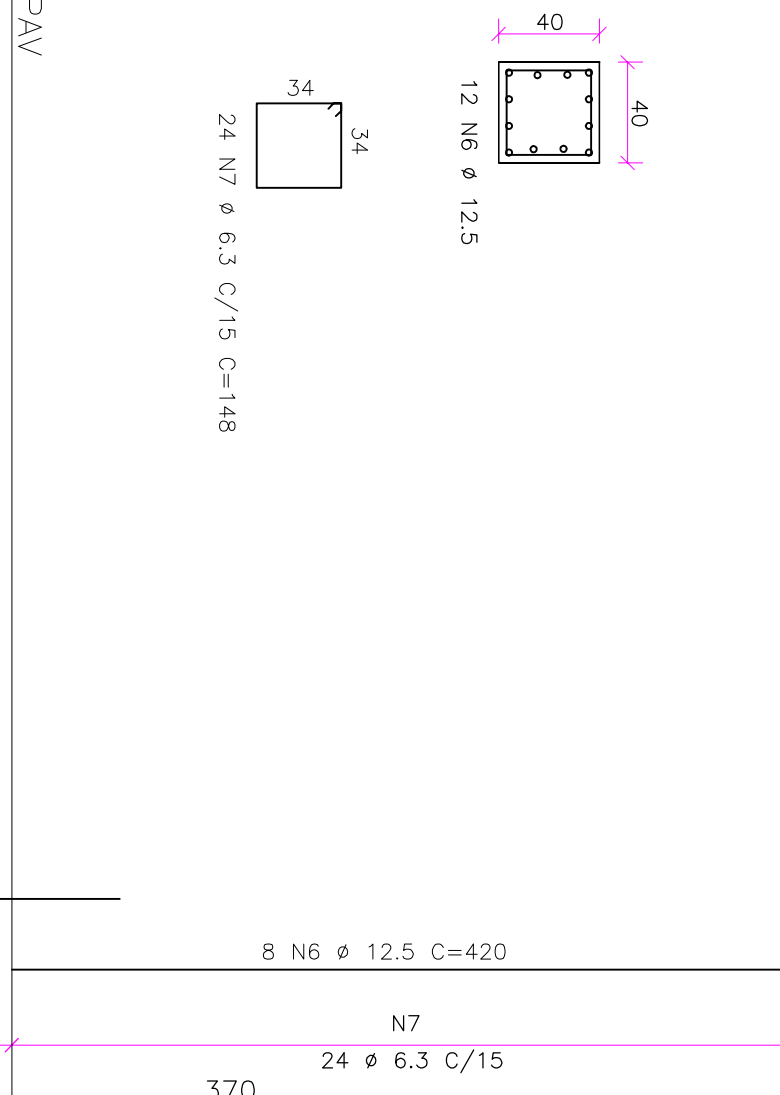
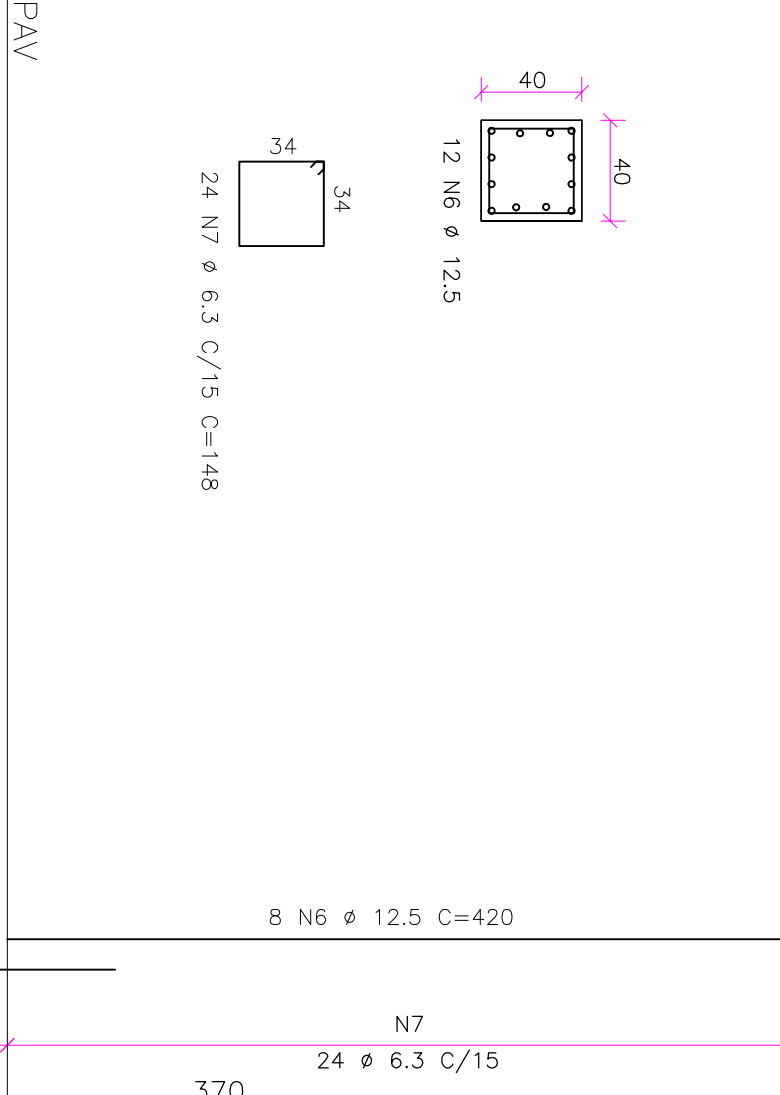
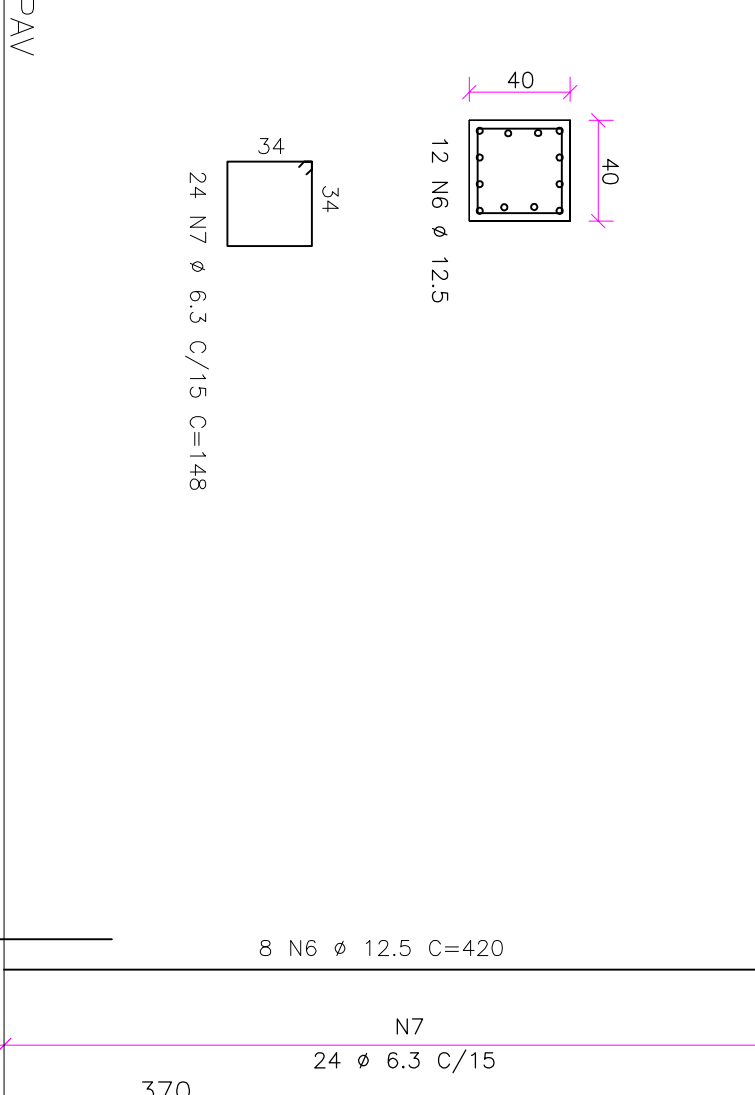
P14/P15/P21/P22 4X

5*PAV



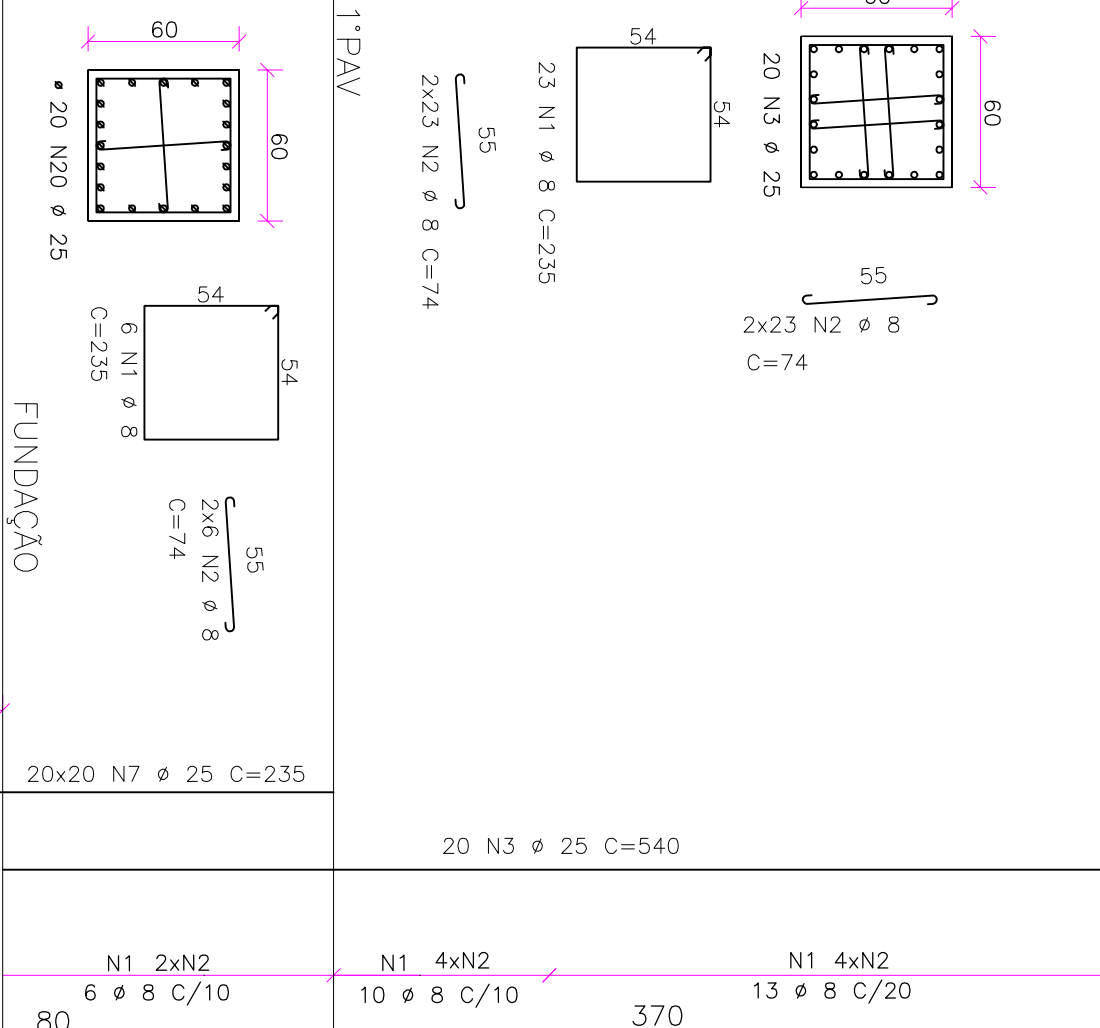
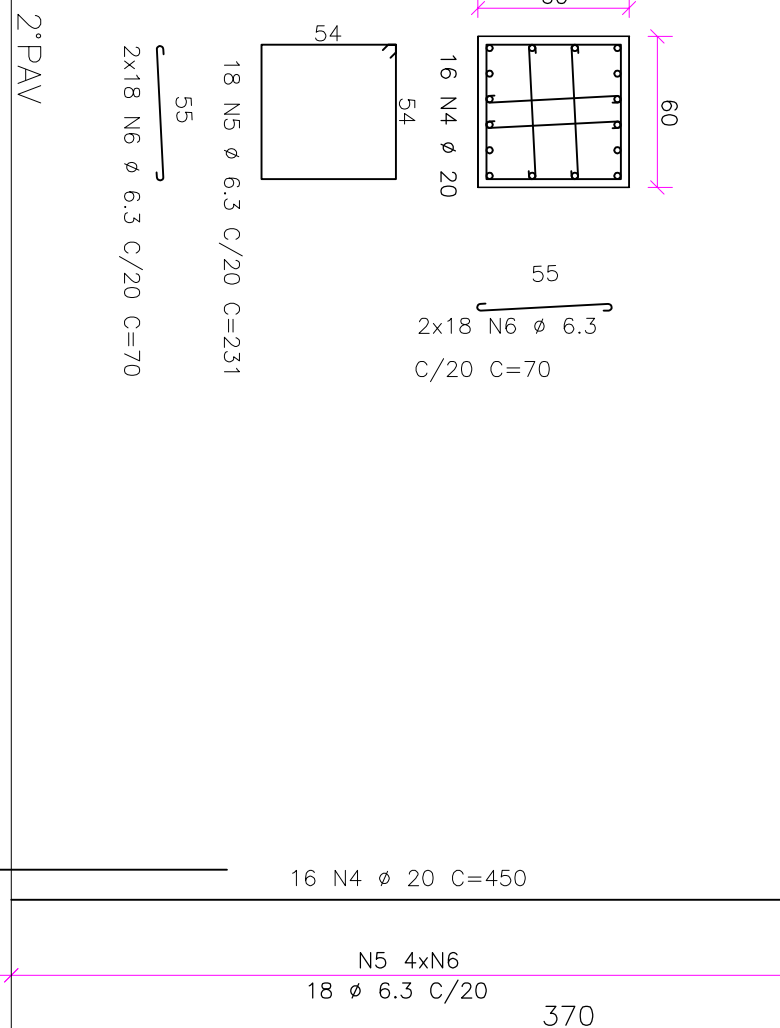
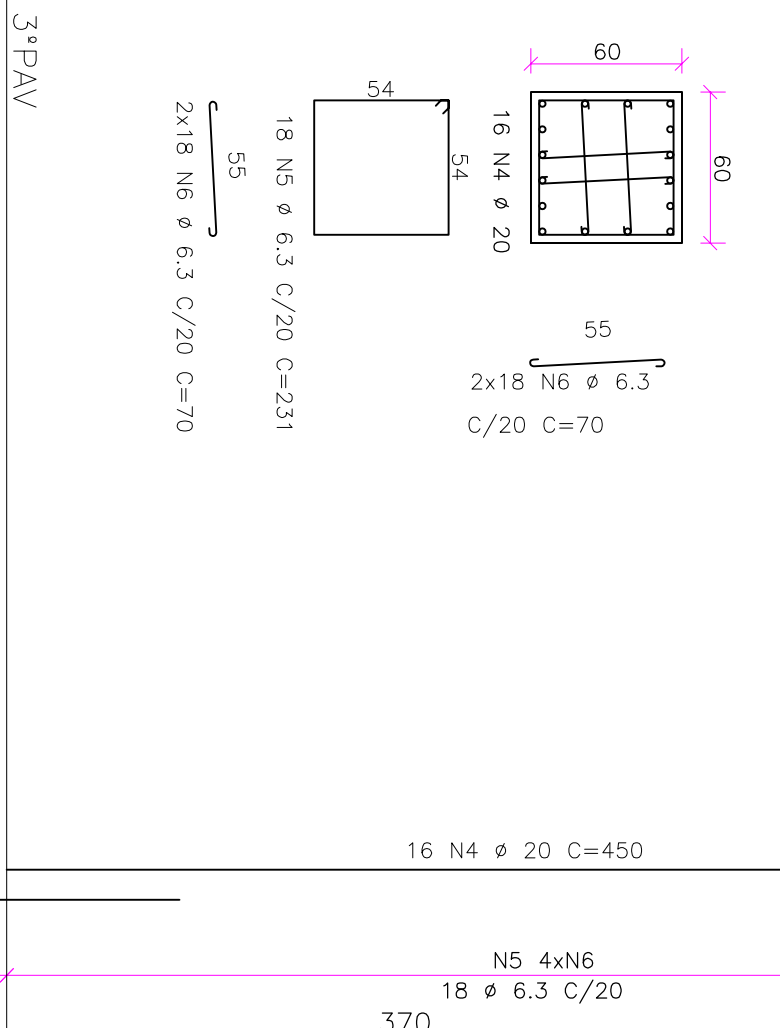
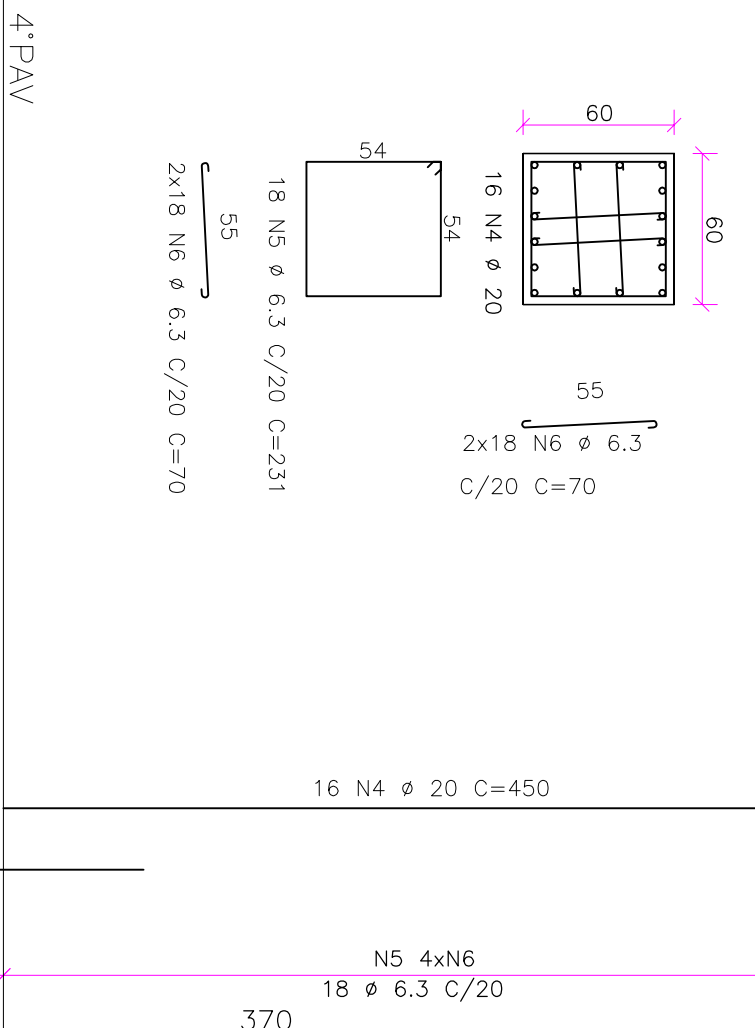
P27/P39/P40 3X

5*PAV



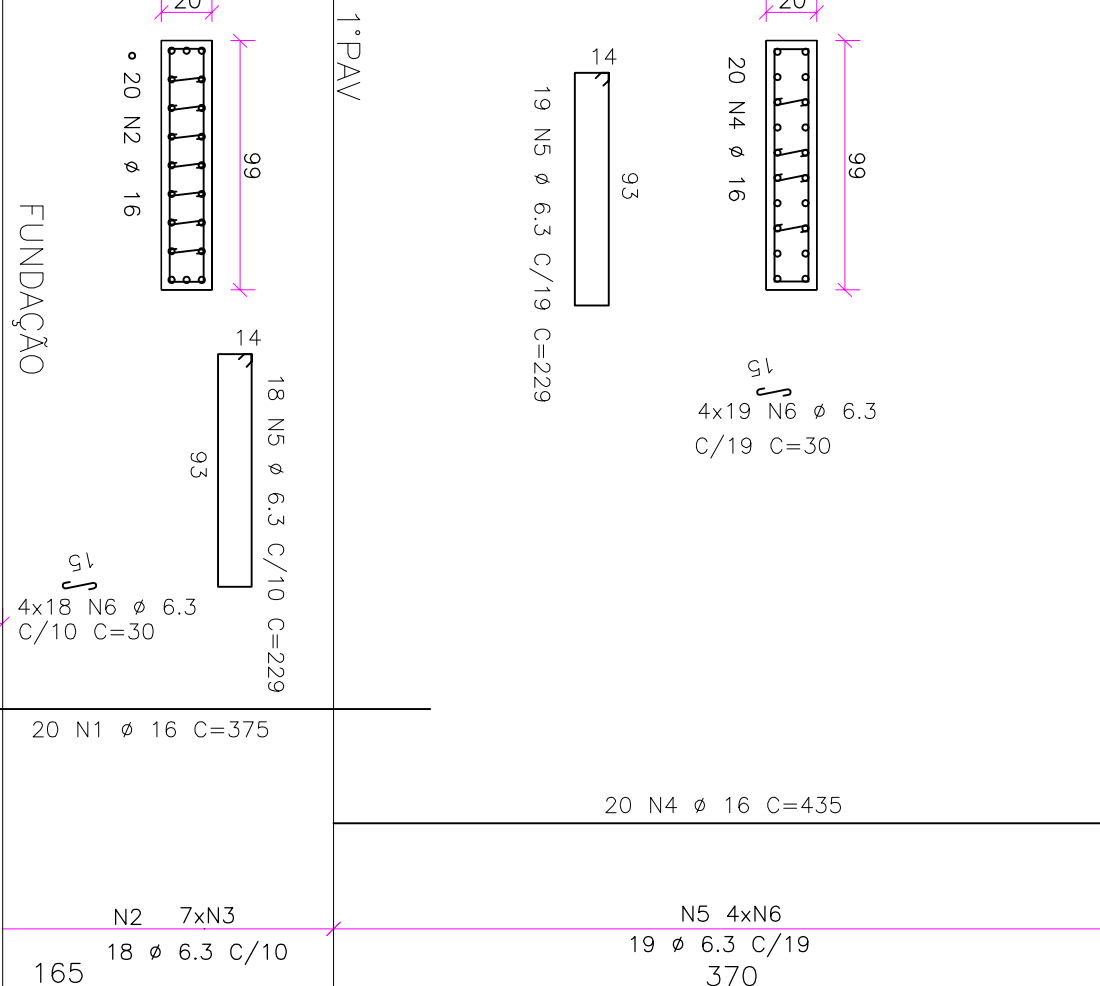
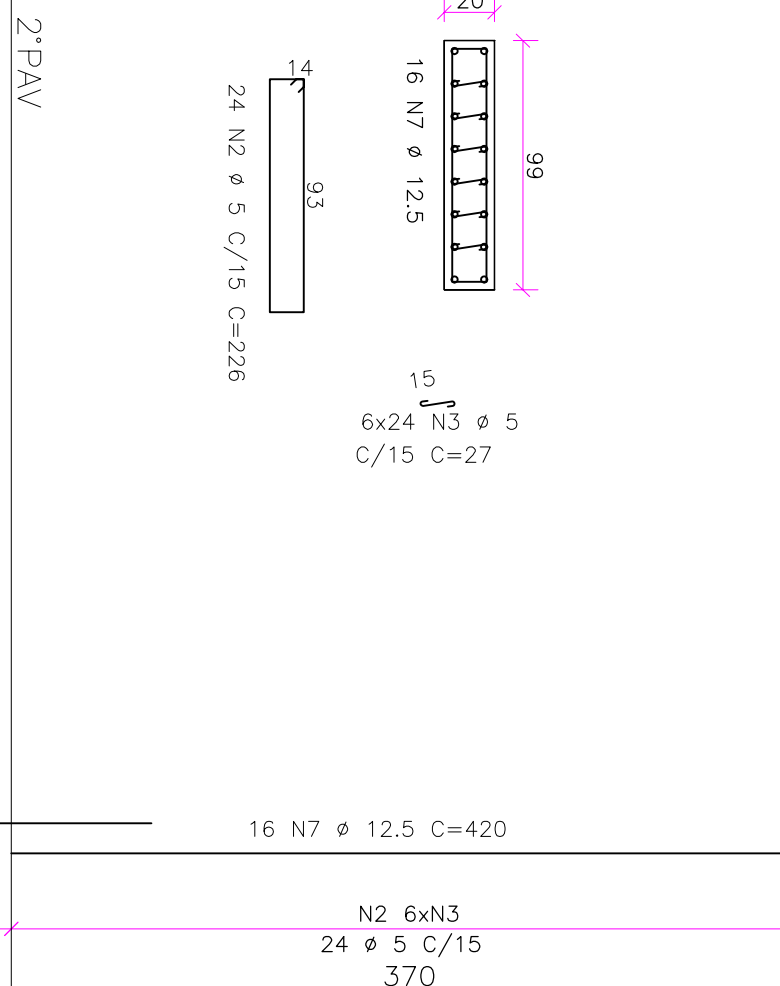
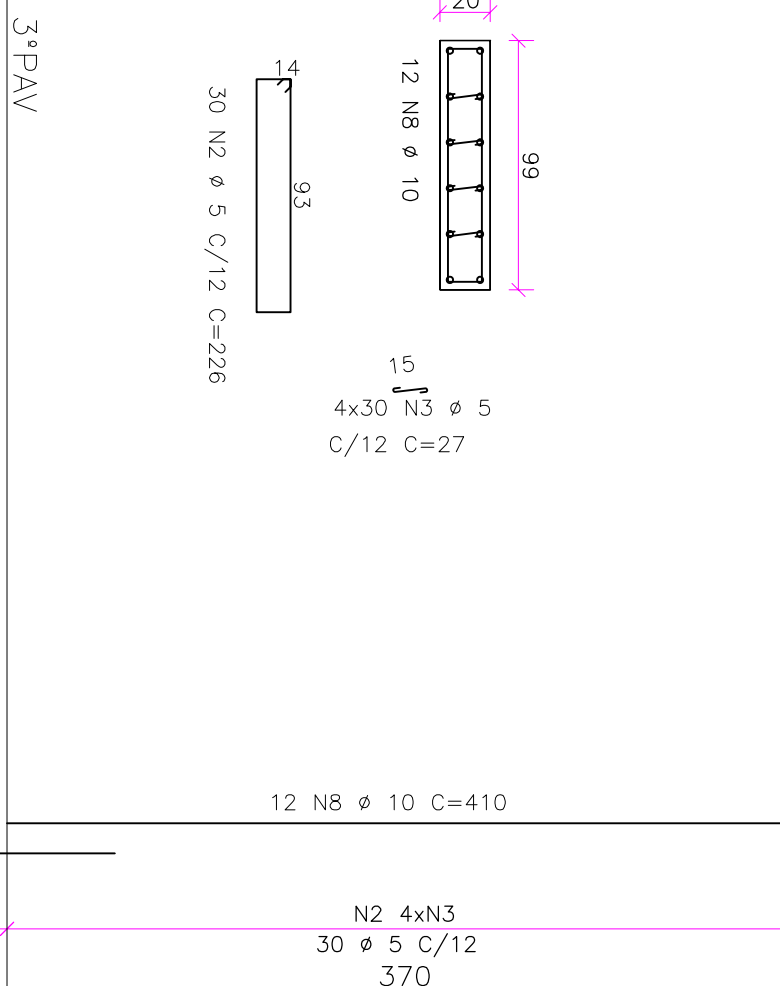
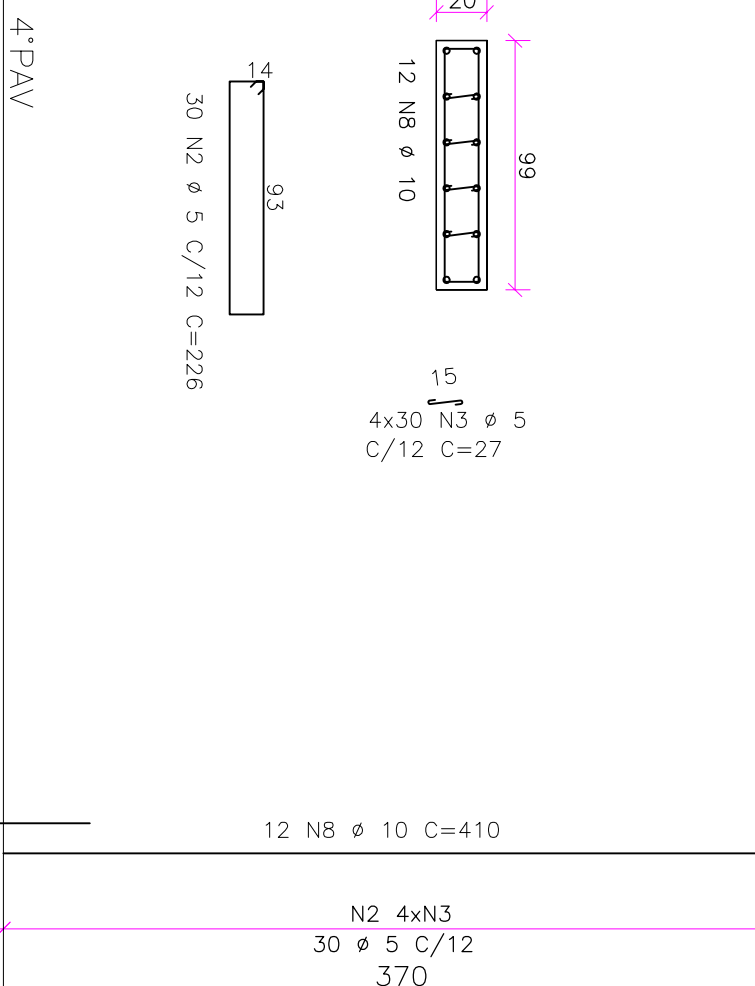
P5/P8/P11/P41/P42/P43 6X

5*PAV



P16/P28 2X

5*PAV



AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
(mm)					
(cm)					
P5/P8/P11/P41/P42/P43					
50	1	8	174	235	40890
50	2	8	624	74	46176
50	3	25	120	540	64800
50	4	25	120	540	64800
50	5	6.3	324	231	74844
50	6	6.3	1296	70	90720
50	7	25	2400	235	564000
50	8	12.5	240	235	564000
P14/P15/P21/P22					
50	4	6.3	64	155	9920
50	5	6.3	208	13312	276544
50	6	6.3	384	67	25728
50	8	10	464	110	51040
50	9	10	464	110	51040
50	10	5	960	27	25920
50	12	10	32	420	13440
50	13	10	32	500	16000
P16/P28					
50	1	16	40	375	15000
50	2	5	168	226	37968
50	3	18	27	20736	559872
50	4	18	27	20736	559872
50	5	6.3	74	225	16646
50	6	6.3	296	30	8880
50	7	12.5	32	420	13440
50	8	10	48	410	19680
P27/P39/P40					
50	3	12.5	36	155	5560
50	4	6.3	48	228	10944
50	5	12.5	192	67	12864
50	6	6.3	288	148	42524
50	7	12.5	24	500	12000
50	8	12.5	24	500	12000

RESUMO AÇO CA 50-60			
AÇO	BIT	COMPR.	PESO
(mm)	(mm)	(m)	(kg)
60	8	266	234
50	3	2988	442
50	8	871	348
50	10	853	537
50	12.5	312	513
50	20	1296	3240
50	25	6288	25192
Peso Total			234 kg
Peso Total			31151 kg

ESTRUTURA DE CONCRETO ARMADO

QUADRO RESUMO DE AÇO

DATA	REVISÃO	ASSINTO
29/11/2010	00	EXECUTIVO



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Fone / fax: (65) 3322-6669 aquetor@quadroprojetos.com
www.quadroprojetos.com

PROJETO EXECUTIVO

PROJETO DE ESTRUTURA DE CONCRETO ARMADO

Proprietário: UNIRIO - UNIVERSIDADE FEDERAL DO ESTADO DO RIO DE JANEIRO

Local: AV. PAULSTER 458, URCA, RIO DE JANEIRO/RJ

Co-ordenadores do Projeto:

Autor do Projeto:

LUCIO ROBERTO DE ALMEIDA

Engenheiro CIVIL / CREA 27819/J RJ

MÁRIO ANDRÉ DE AMORIM PALMA

Engenheiro CIVIL / CREA 128857/77

Responsável

Técnico:

Assunto: ARMAÇÃO DOS PILARES P14, P15, P21, P22, P27, P39, P40, P42, P43

P16, P21, P22, P27, P39, P40, P42, P43

CONCRETO: A/C < 0,55

Folha: 02