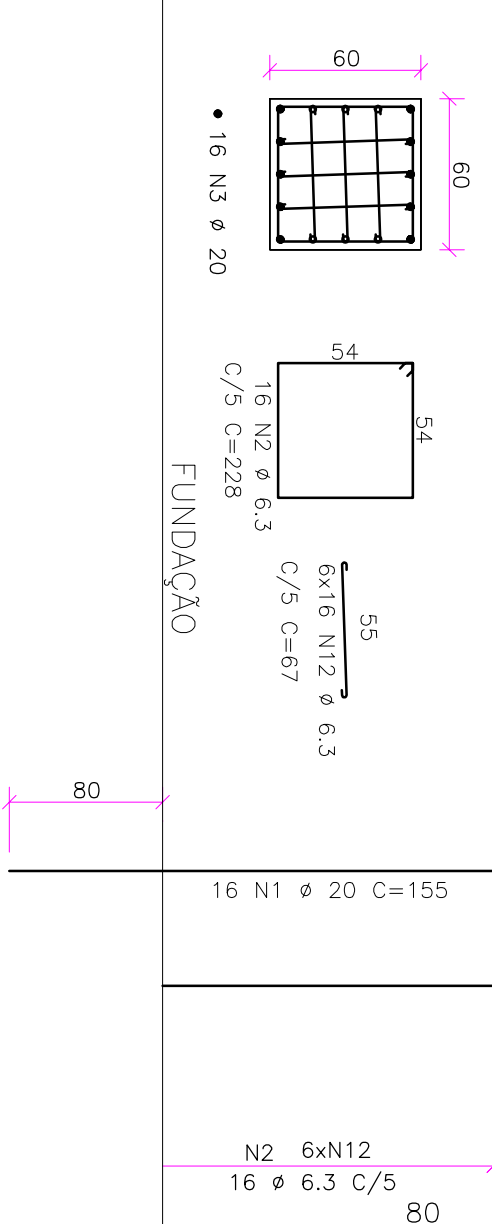
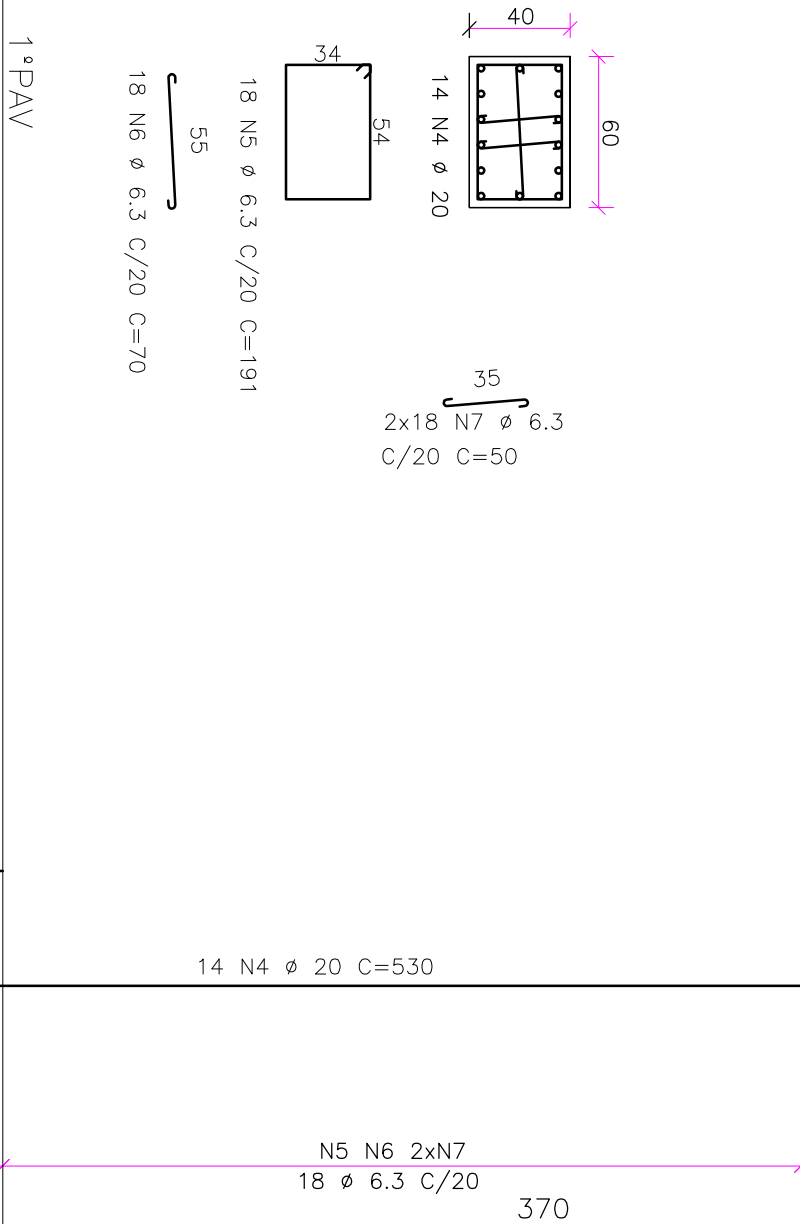
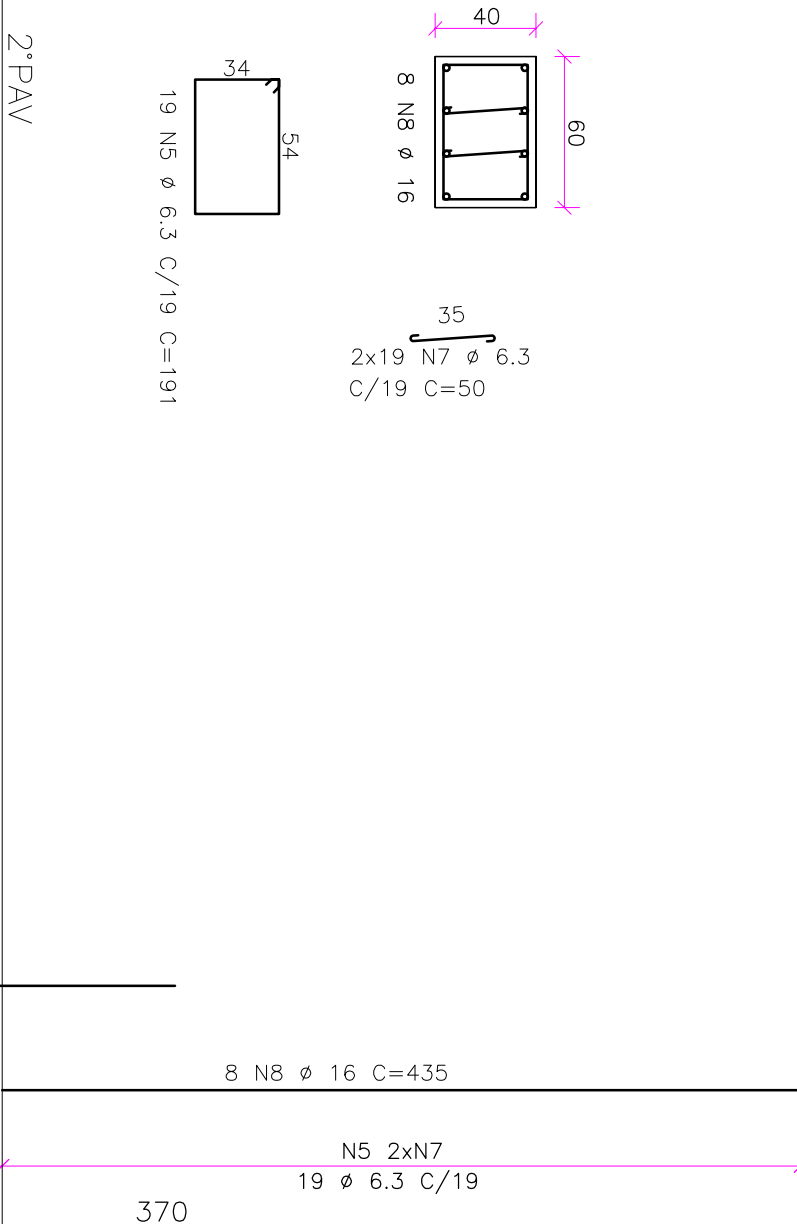
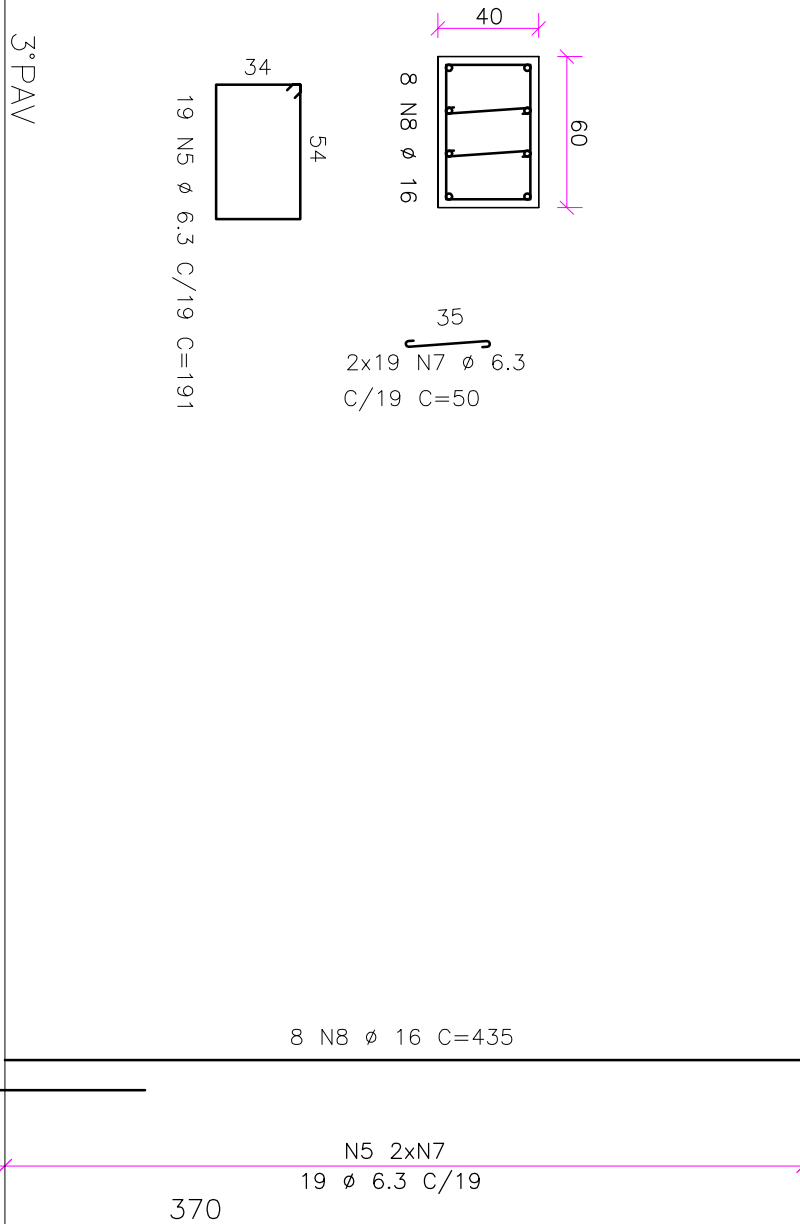
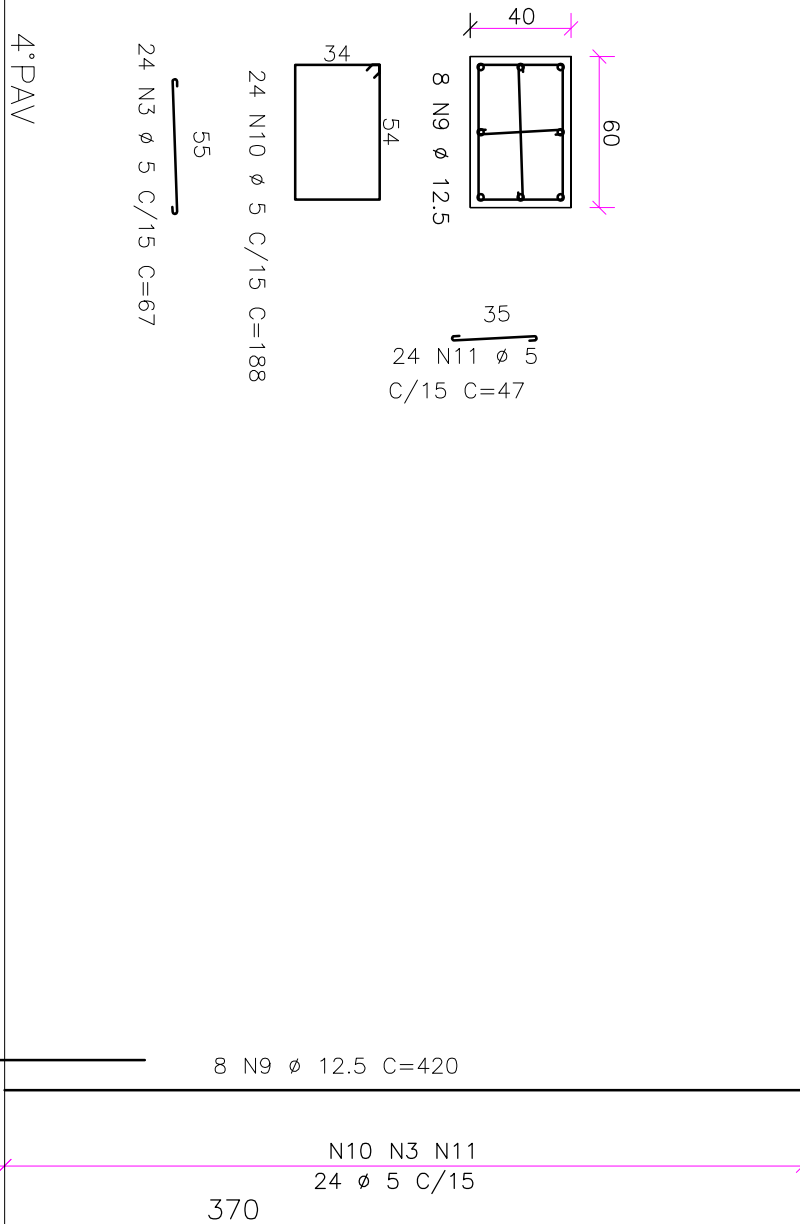


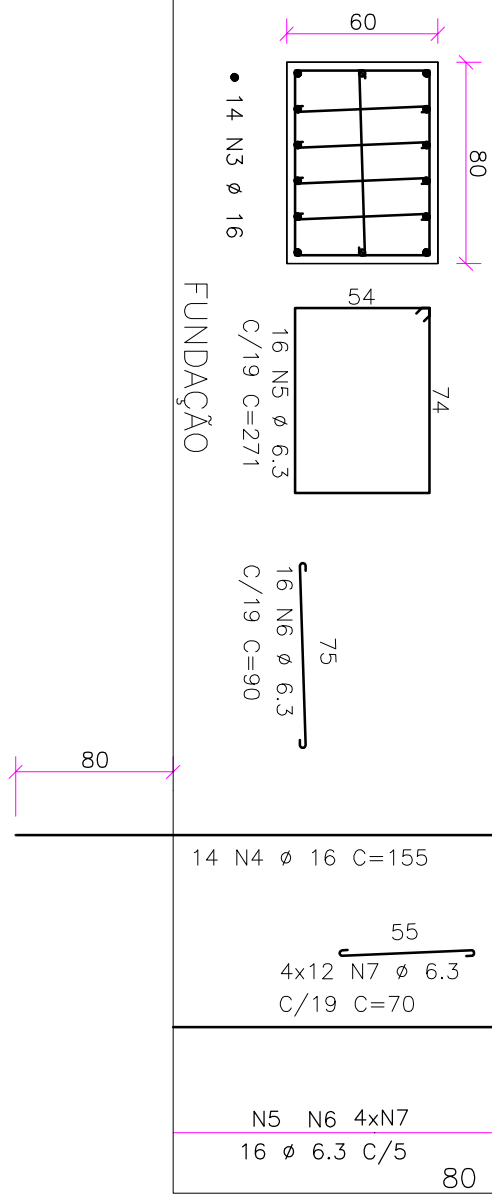
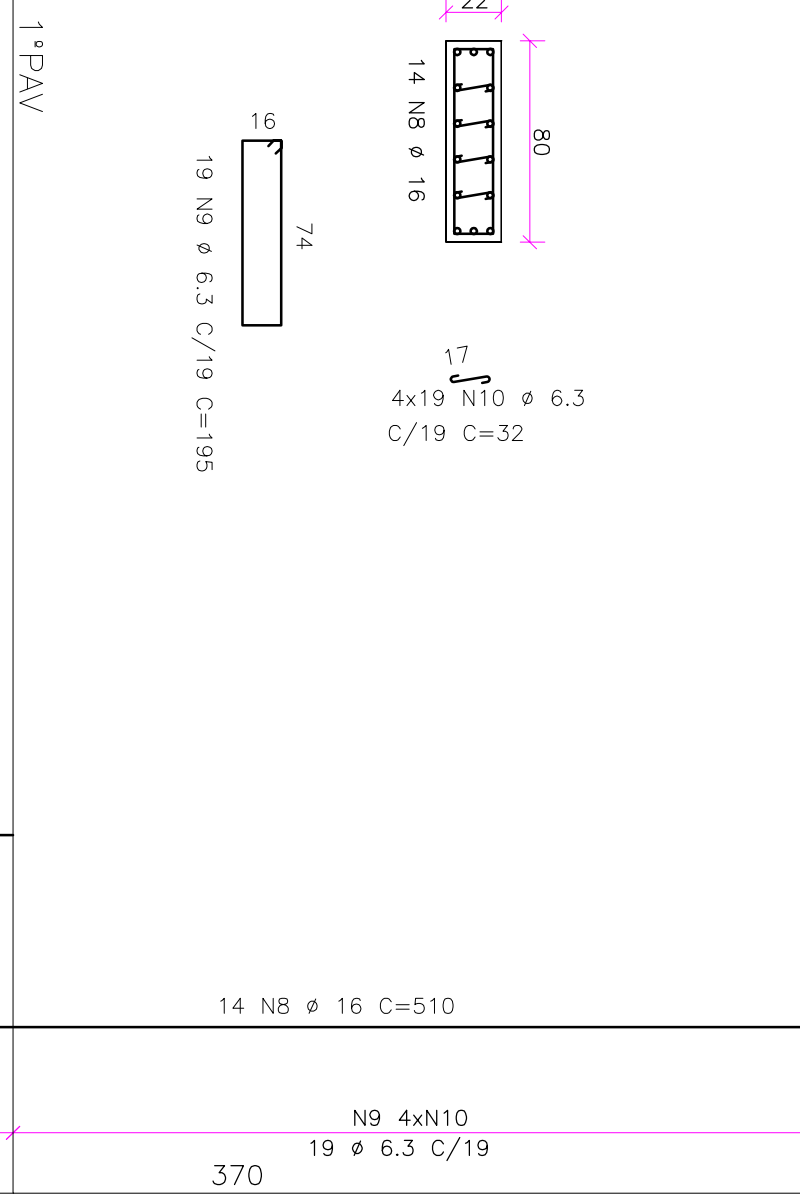
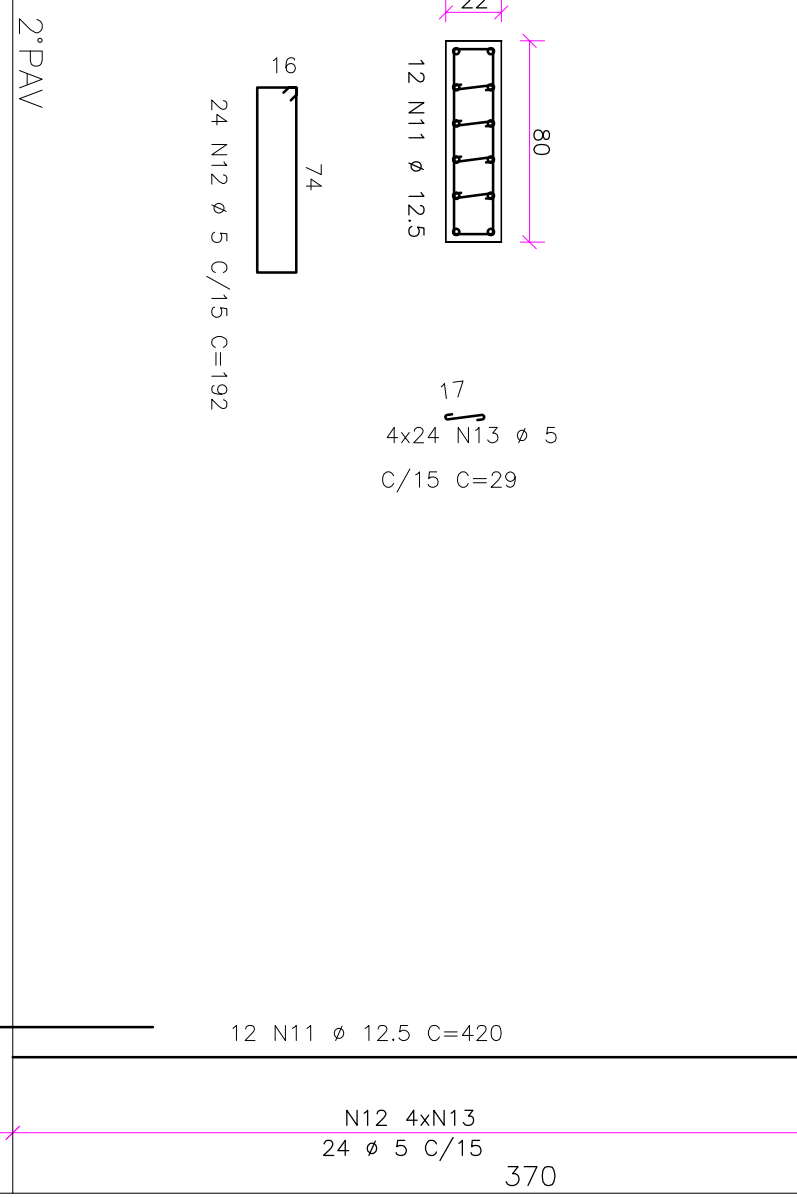
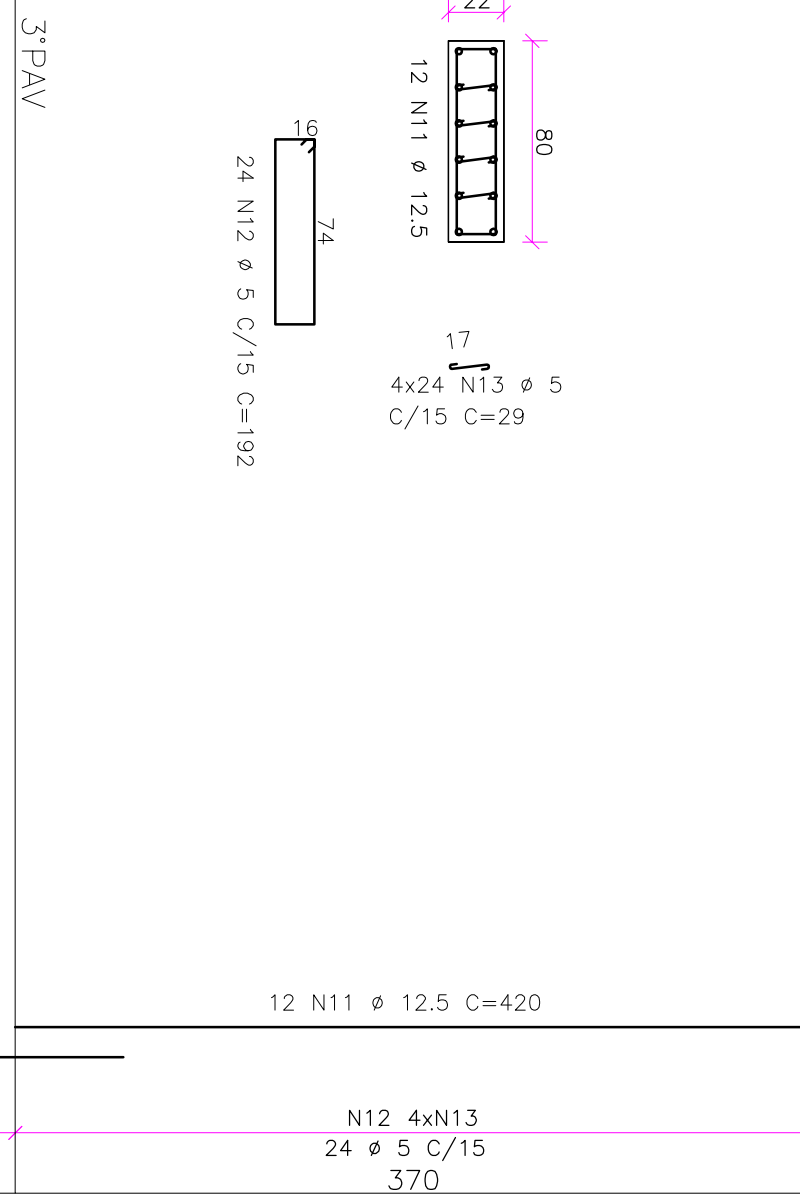
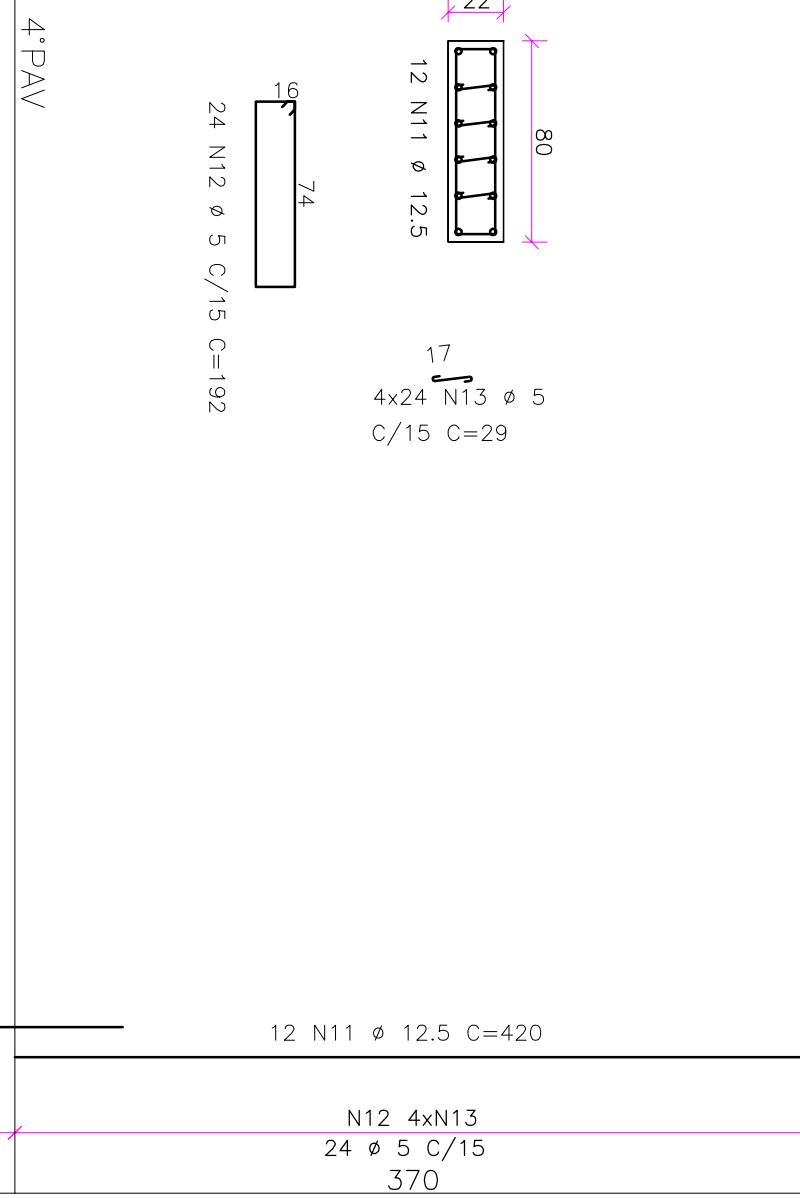
P9/P10 2X

5ºPAV



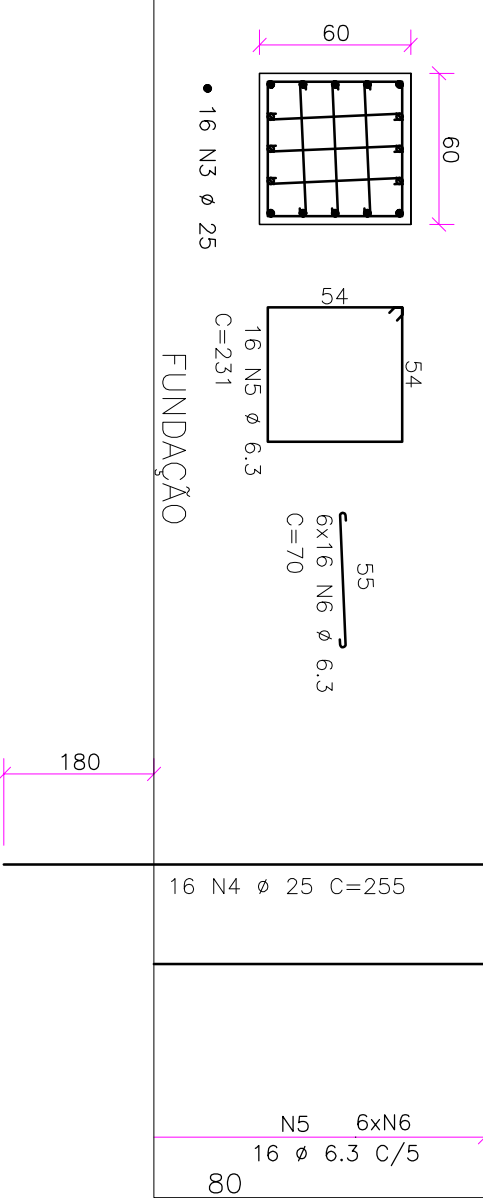
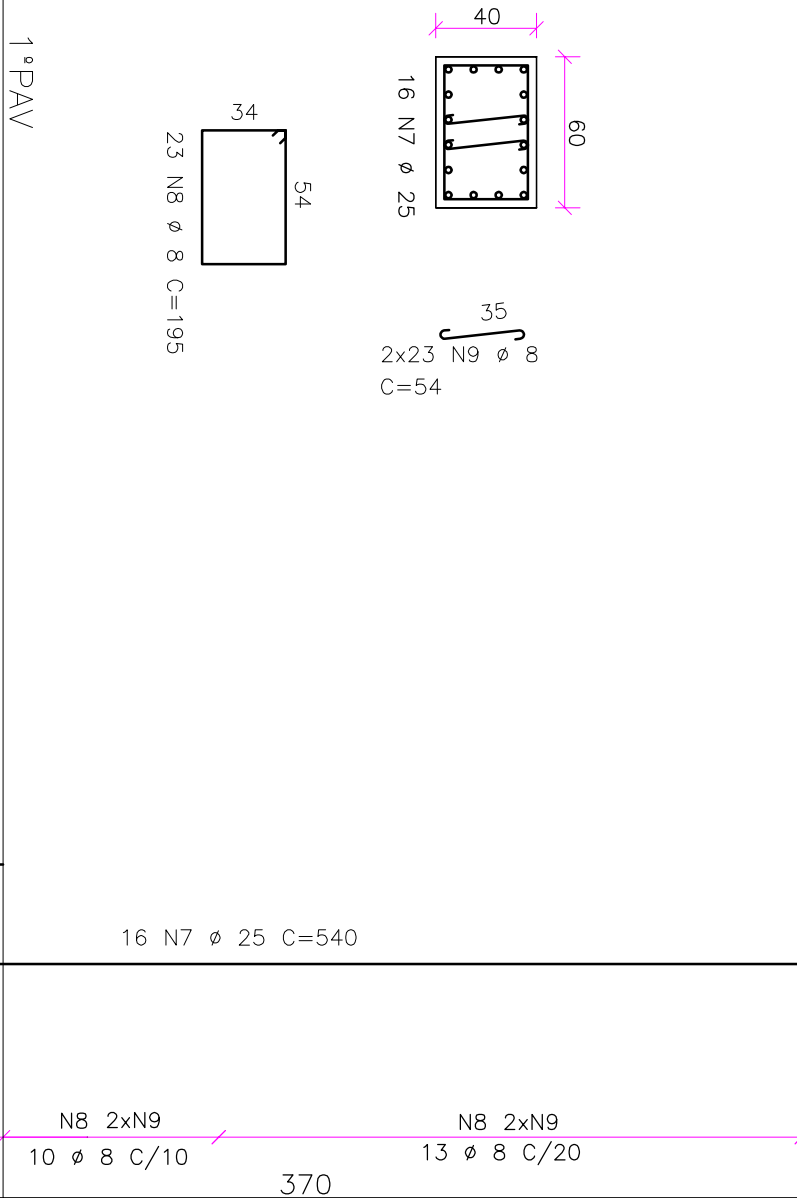
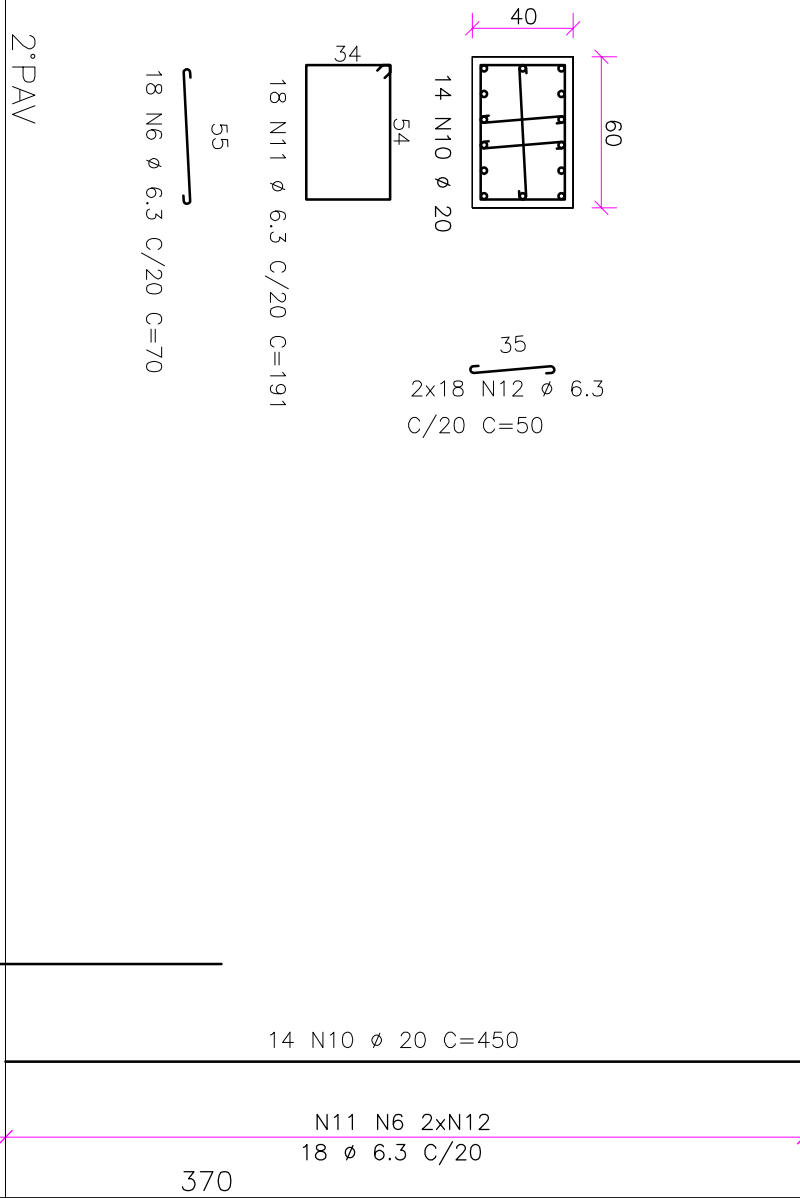
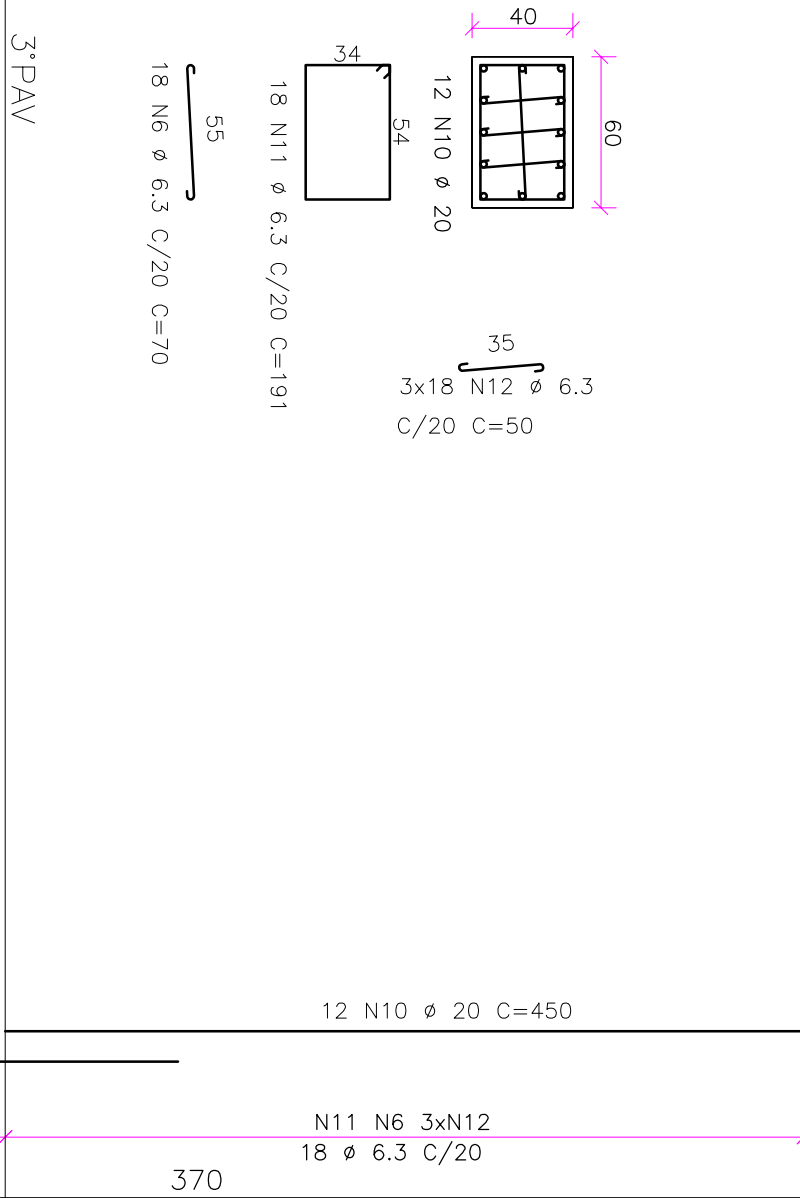
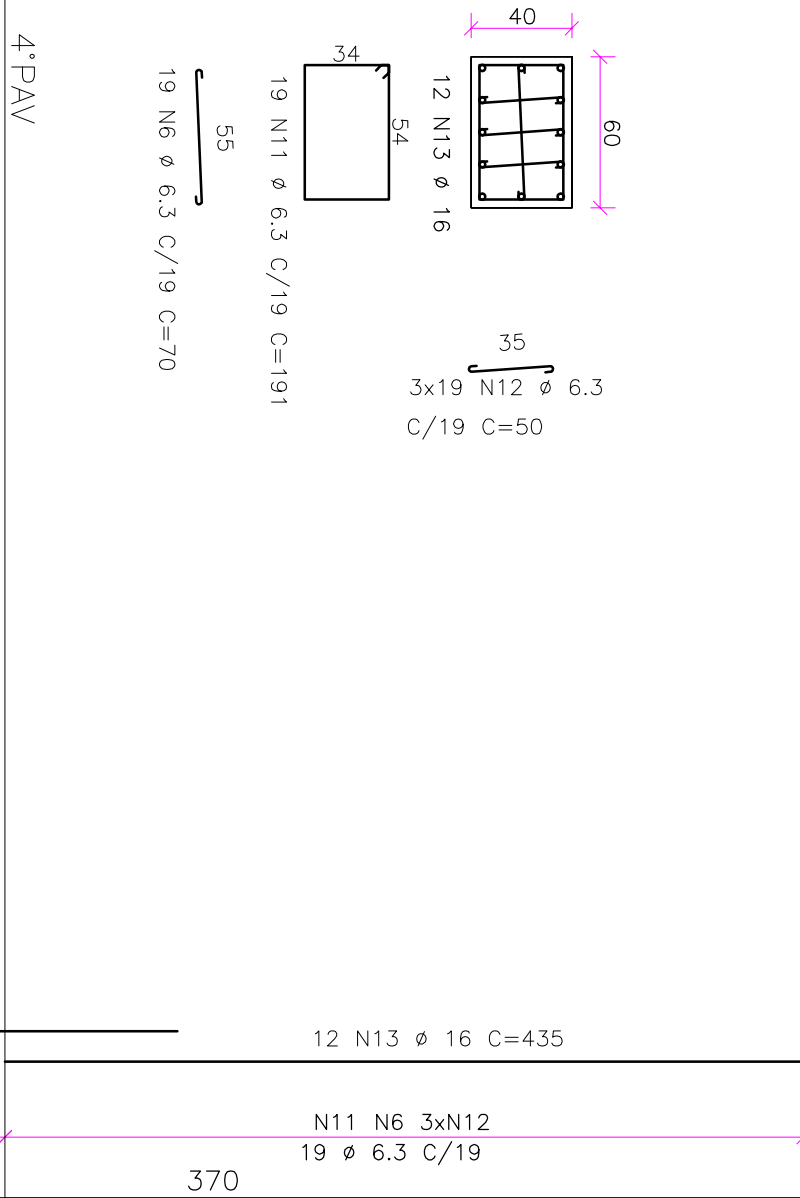
P3/P46 2X

5ºPAV



P33/P34 2X

5ºPAV



ÁÇO	POS	BIT	QUANT	COMPRIMENTO
		(mm)	UNIT	TOTAL
P3/P46 (X2)				
50	4	16	28	4480
50	3	16	28	4480
50	6	6.3	32	1920
50	7	6.3	96	6720
50	8	6.3	32	512
50	8	6.3	28	512
50	10	6.3	152	4864
50	11	12.5	72	30240
50	12	5	144	27648
50	13	5	576	16704
P9/P10 (X2)				
50	1	20	32	1536
50	2	6.3	32	2296
50	3	20	28	1440
50	4	6.3	112	21392
50	5	6.3	36	70
50	6	6.3	224	11360
50	7	16.3	16	6720
50	9	12.5	48	9024
50	10	5	48	1888
50	12	6.3	192	12608
P33/P34 (X2)				
50	4	25	32	2552
50	5	6.3	32	2312
50	7	25	32	21280
50	8	8	46	1952
50	9	25	82	544
50	11	6.3	110	21010
50	12	6.3	294	14700
50	13	16	435	10440

ÁÇO	BIT	COMPR	PESO
50	6.3	1501	375
50	8	139	56
50	12.5	370	320
50	16.3	113	432
50	20	432	1080
50	25	254	1018
Peso Total			94 kg
Peso Total			50 = 3586 kg

4	ESQ	ESTRUTURA DE CONCRETO ARMADO
SEMI	SEMI	QUADRO RESUMO DE AÇO
OBSERVAÇÃO		

ALTERAÇÃO	DATA	REVISÃO	ASSINATO
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Fone / fax: (65) 3322-5669 aquetrop@quetropjetos.com
www.aquetropjetos.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

Coordenadores do Projeto:

Autor do Projeto:

LUCIO ROBERTO DE ALMEIDA

Engenheiro Civil, CREA 247076 MT

MÁRIO ANDRÉ DE AMORIM PALMA

Engenheiro Civil, CREA 138857/77

Responsável

Técnico:

Assunto: ARMADÃO DOS PILARES P3, P9, P10, P33, P34 E P46

CONCRETO: A/C < 0.55

Fck 30 MPa

Folha: 04