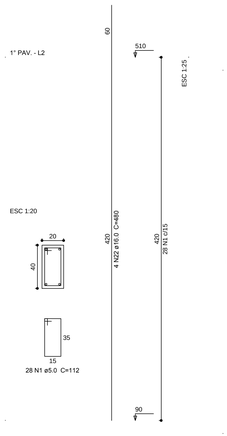
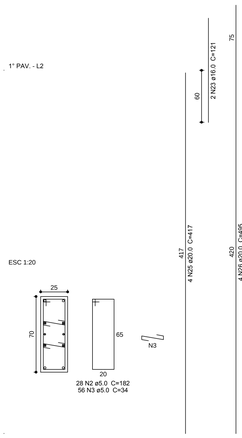
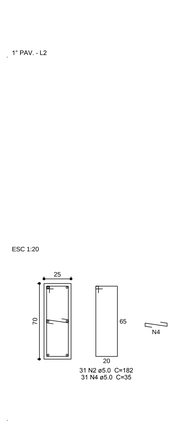
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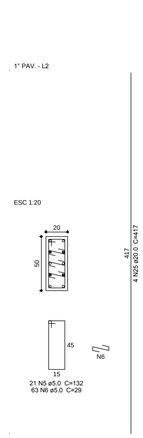
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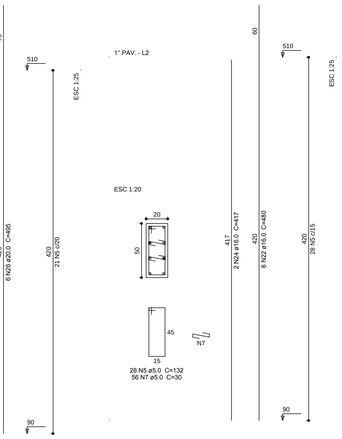
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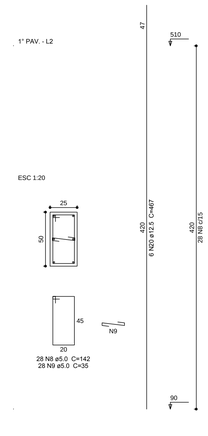
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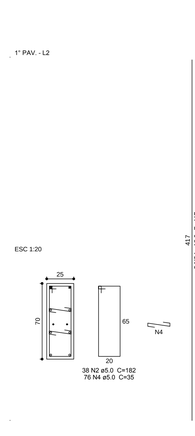
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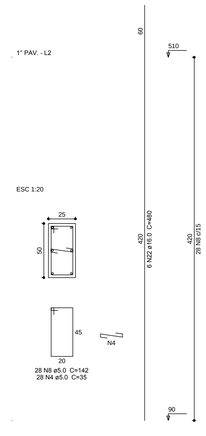
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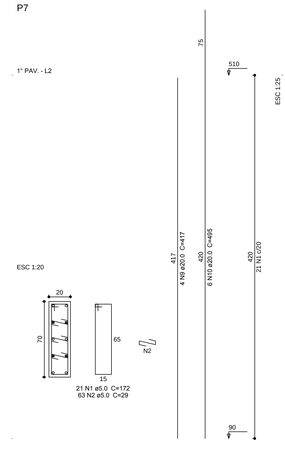
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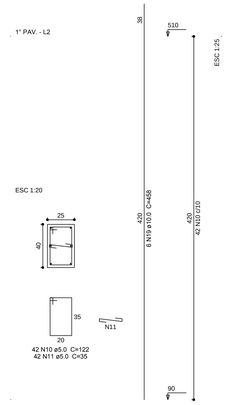
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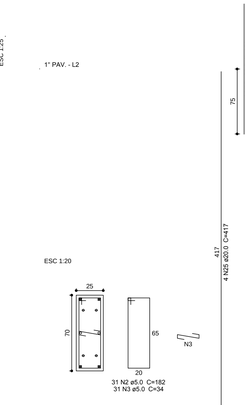
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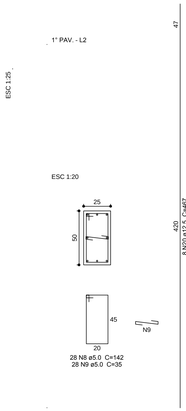
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P18



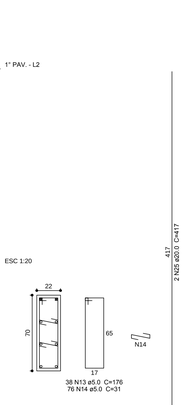
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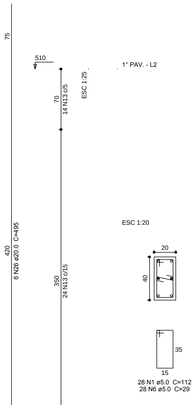
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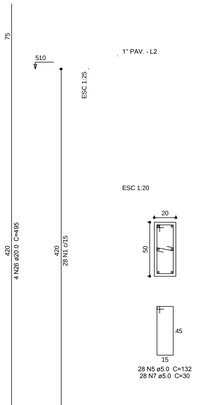
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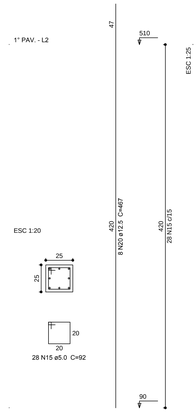
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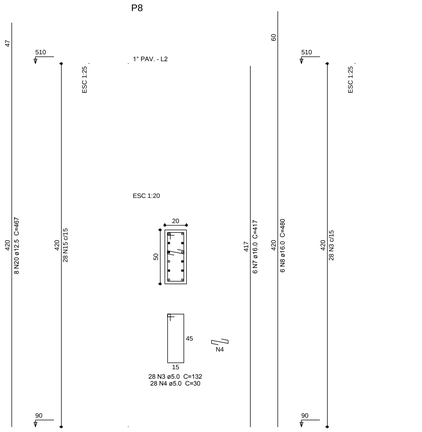
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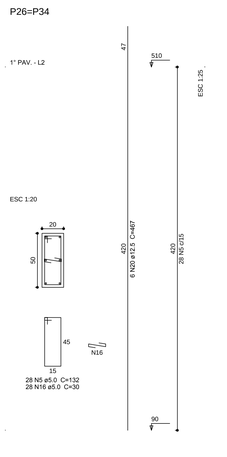
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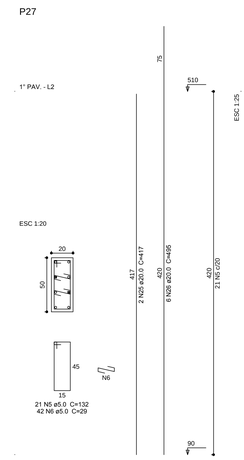
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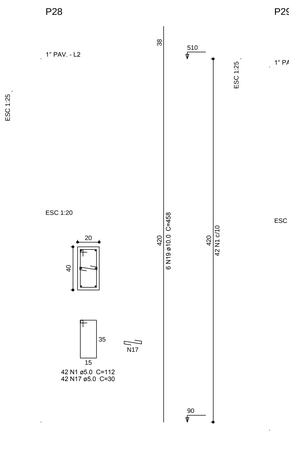
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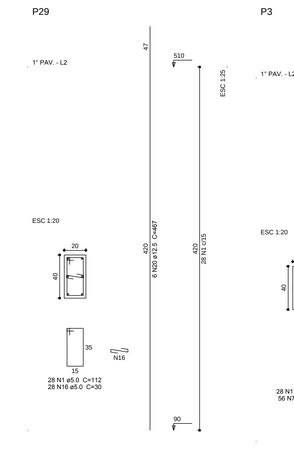
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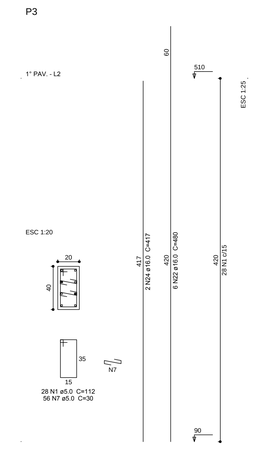
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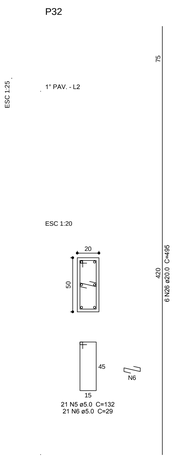
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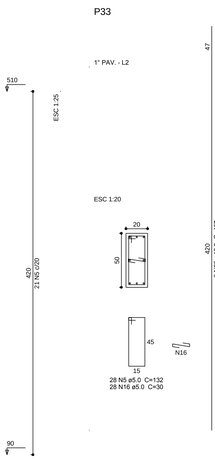
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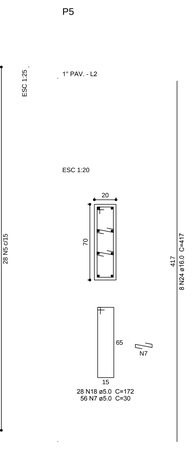
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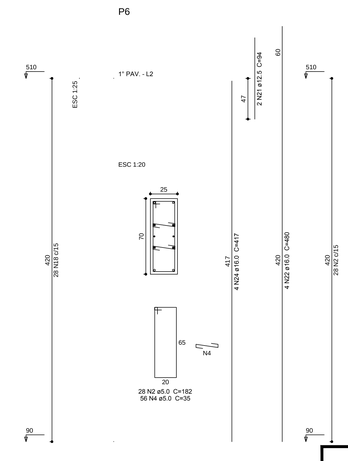
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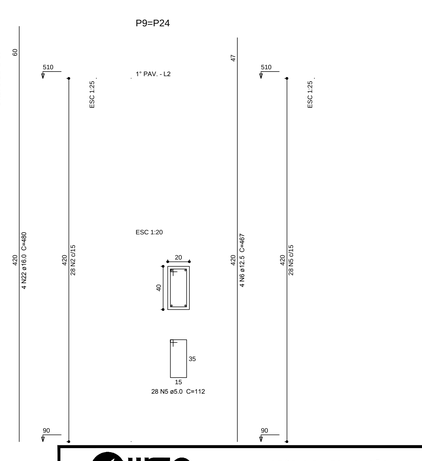
P5



P6



P9=P24



Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	55	37.3
	12.5	228	241.5
	16.0	329.5	572.1
	20.0	325.5	883
CA60	5.0	1509.8	255.8

PESO TOTAL (kg)	
CA50	1733.8
CA60	255.8

Volume de concreto (C-25) = 13.72 m³
Área de forma = 177.83 m²

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	12.5	37.4	39.6
	16.0	53.9	93.4
	20.0	46.4	125.8
CA60	5.0	162.5	27.5

PESO TOTAL (kg)	
CA50	258.8
CA60	27.5

Volume de concreto (C-25) = 1.68 m³
Área de forma = 23.52 m²

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE LAVRAS

UFLA

REITOR: PROF. JOSÉ ROBERTO SOARES SCOLFORO
VICE - REITOR: PROF. ÉDILA VILELA RESENDE VON PINHO
PRÓ - REITOR DE ADMINISTRAÇÃO: PROF. CARLOS JOSÉ PIMENTA
PREFEITO DO CAMPUS: PROF. ÉLBERIS PEREIRA BOTREL

EMPRESA

EMPRESA:

PROJETO

TITULO:
DGTI - DIRETÓRIO DE GESTÃO DE TECNOLOGIA DE INFORMAÇÃO
EDIFICAÇÃO 19 TP002/2013/UFLA

CONTEÚDO:
PROJETO ESTRUTURAL - CONCRETO ARMADO
PLANTA DE FORMA - LOCAÇÃO DAS SAPATAS (COTAS POR EIXOS)

AUTOR DO PROJETO:

EXECUÇÃO DE OBRA:

DATA:	REVISÃO DATA:	PROJETO:
24/09/2013		ESTRUTURA
ESCALA: 1/50	ÁREA: (m²) 1.518,15 + 493,61 (TERRAÇO)	FOLHA: 18/24