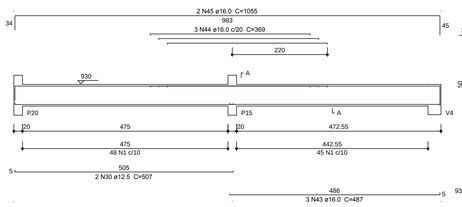
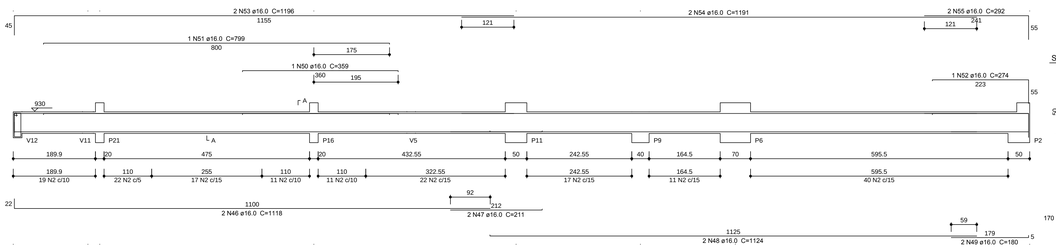
VIGA 2° PAV.

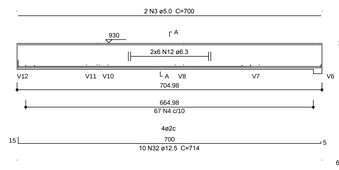
V19
ESC 1:50



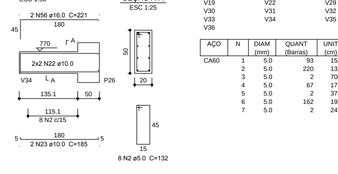
V22
ESC 1:50



V29
ESC 1:50



V35
ESC 1:50

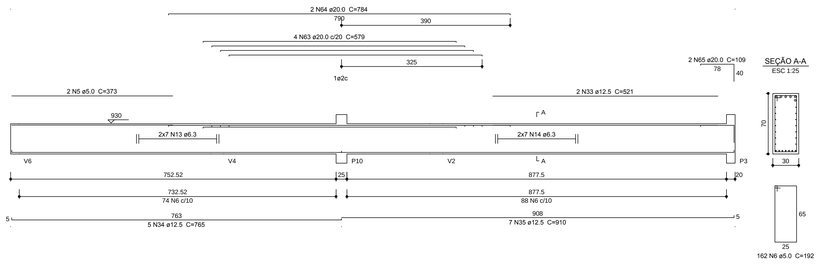


Relação do aço

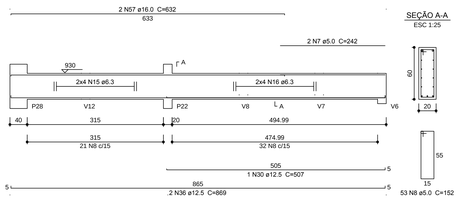
V19	V22	V29
V30	V31	V32
V33	V34	V35
V36		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	93	152	14136
	2	5.0	220	132	29040
	3	5.0	2	700	1400
	4	5.0	67	172	11524
	5	5.0	2	373	746
	6	5.0	162	192	31104
	7	5.0	2	242	484

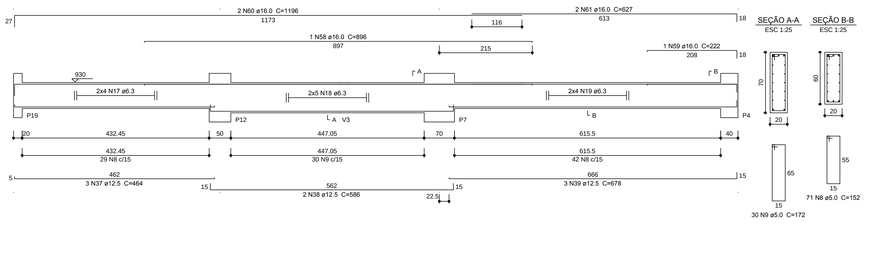
V30
ESC 1:50



V31
ESC 1:50



V32
ESC 1:50

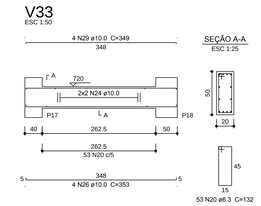


Resumo do aço

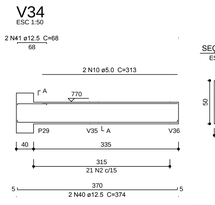
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	614.8	165.5
	10.0	49.2	33.3
	12.5	269.8	285.8
	16.0	240.1	416.9
	20.0	41.1	111.2
CA60	5.0	1136.3	192.7
PESO TOTAL (kg)			
CA50	1012.7		
CA60	192.7		

Volume de concreto (C-25) = 13.09 m³
Área de forma = 132.54 m²

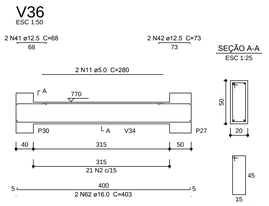
V33
ESC 1:50



V34
ESC 1:50



V36
ESC 1:50

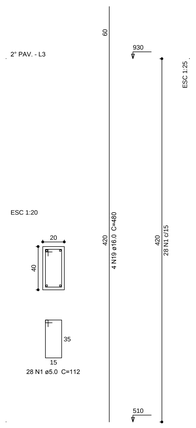


Resumo do aço

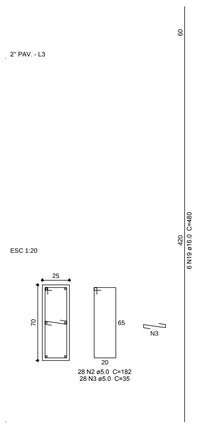
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	107.5	72.9
	12.5	554.3	587.4
	16.0	196.2	340.6
	20.0	29.7	80.6
CA60	5.0	1460.8	247.7
PESO TOTAL (kg)			
CA50	1081.4		
CA60	247.7		

Volume de concreto (C-25) = 13.26 m³
Área de forma = 153.54 m²

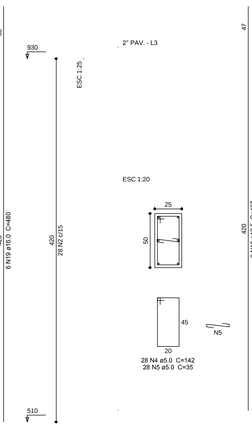
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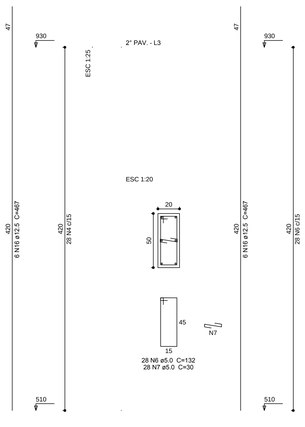
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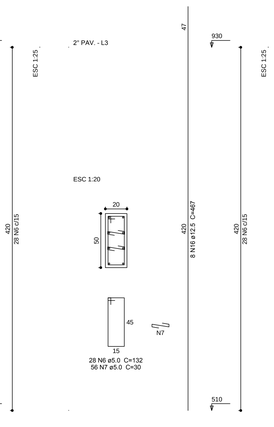
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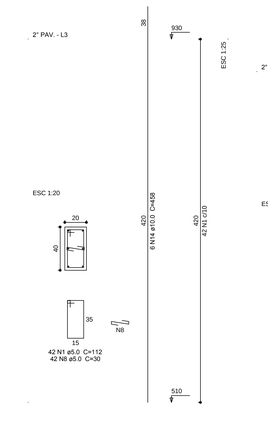
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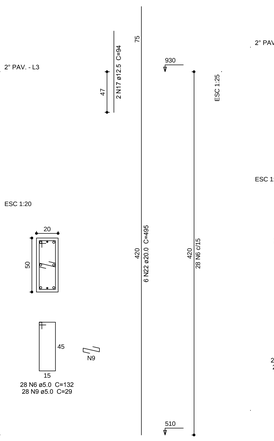
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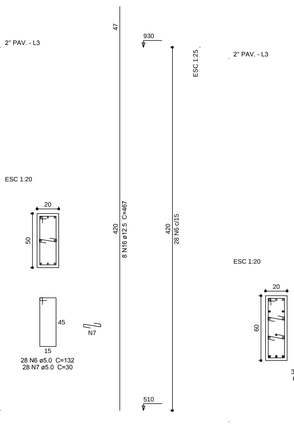
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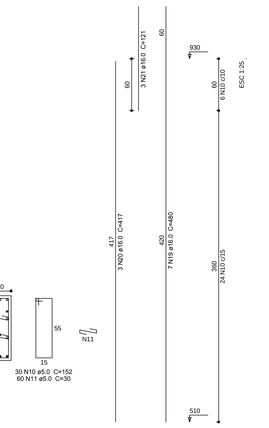
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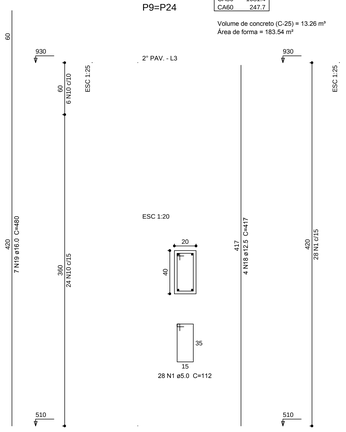
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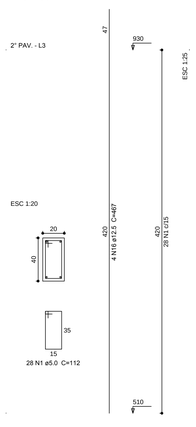
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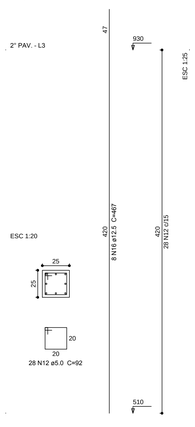
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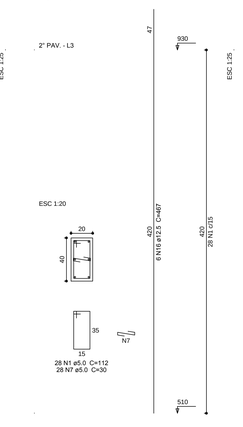
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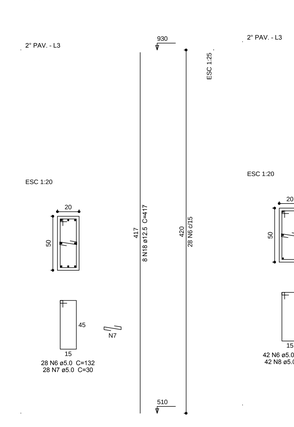
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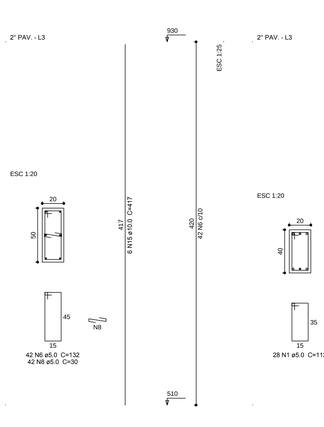
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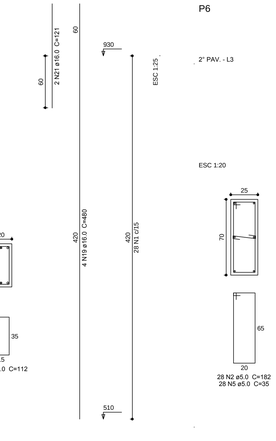
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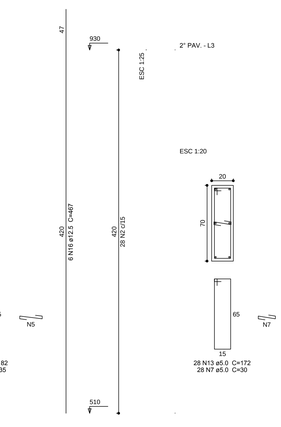
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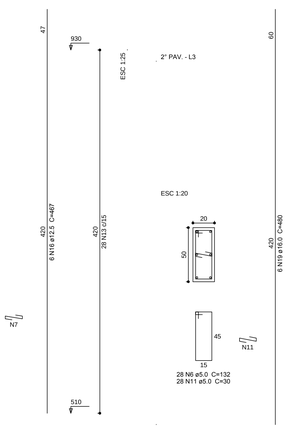
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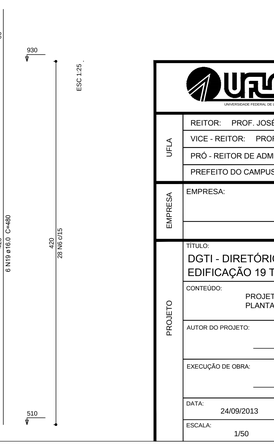
P6



P7



P8=P22



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

TÍTULO:
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: 22/24