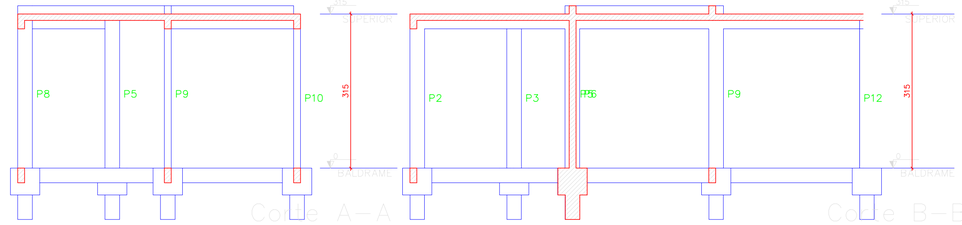
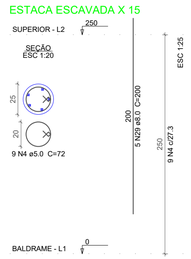


ESTACA ESCAVADA X 15



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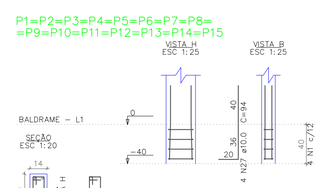

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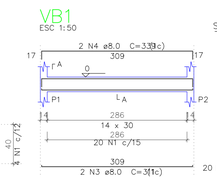

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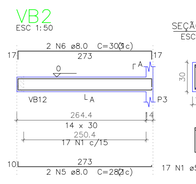

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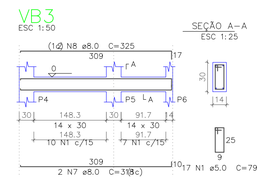
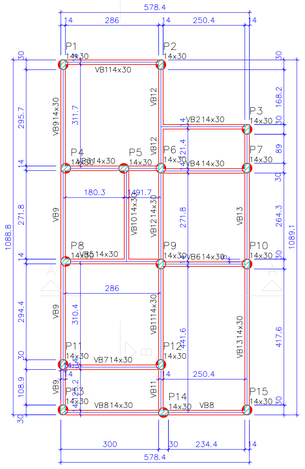


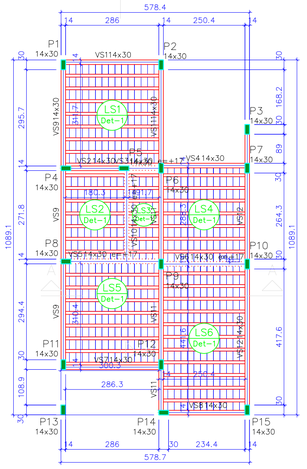


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	14x30	0	0
VB2	14x30	0	0
VB3	14x30	0	0
VB4	14x30	0	0
VB5	14x30	0	0
VB6	14x30	0	0
VB7	14x30	0	0
VB8	14x30	0	0
VB9	14x30	0	0
VB10	14x30	0	0
VB11	14x30	0	0
VB12	14x30	0	0
VB13	14x30	0	0

Características dos materiais		
Elemento	fck (kgf/cm²)	Ecs (kgf/cm²)
Vigas	300	268384
Pilares	300	268384
Blocos	250	241500

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x30	0	0
P2	14x30	0	0
P3	14x30	0	0
P4	14x30	0	0
P5	14x30	0	0
P6	14x30	0	0
P7	14x30	0	0
P8	14x30	0	0
P9	14x30	0	0
P10	14x30	0	0
P11	14x30	0	0
P12	14x30	0	0
P13	14x30	0	0
P14	14x30	0	0
P15	14x30	0	0

Legenda dos pilares
Pilar que passa



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VS1	14x30	0	315
VS2	14x30	0	315
VS3	14x30	0	315
VS4	14x30	0	315
VS5	14x30	17	332
VS6	14x30	17	332
VS7	14x30	0	315
VS8	14x30	0	315
VS9	14x30	0	315
VS10	14x30	17	332
VS11	14x30	0	315
VS12	14x30	0	315

Legenda dos pilares
Pilar que morre

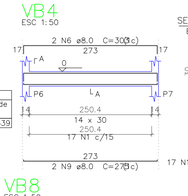
Blocos de enchimento						
Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	Lajota cerâmica	B8/30/20	8	30	20	539

Lajes							
Dados						Sobrecarga (kgf/m²)	
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
LS1	Treliçada 1D	13	0	315	282	30	50	–
LS2	Treliçada 1D	13	0	315	282	30	50	–
LS3	Treliçada 1D	13	0	315	282	30	50	–
LS4	Treliçada 1D	13	0	315	282	30	50	–
LS5	Treliçada 1D	13	0	315	282	30	50	–
LS6	Treliçada 1D	13	0	315	282	30	50	–

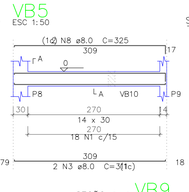
Características dos materiais		
fck (kgf/cm²)	Ecs (kgf/cm²)	
300	268384	

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x30	0	315
P2	14x30	0	315
P3	14x30	0	315
P4	14x30	0	315
P5	14x30	17	332
P6	14x30	17	332
P7	14x30	0	315
P8	14x30	17	332
P9	14x30	17	332
P10	14x30	0	315
P11	14x30	0	315
P12	14x30	0	315
P13	14x30	0	315
P14	14x30	0	315
P15	14x30	0	315

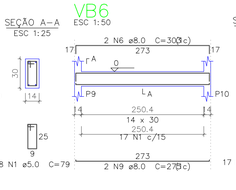
VB4



VB5



VB6



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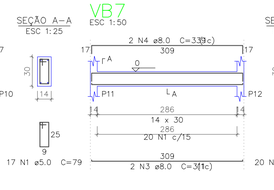

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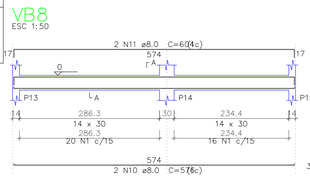

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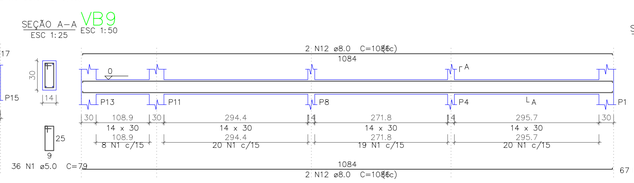

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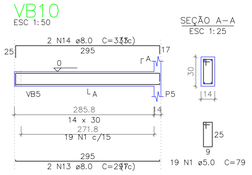

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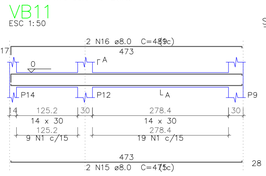

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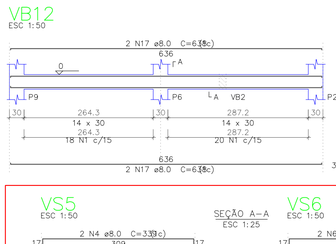

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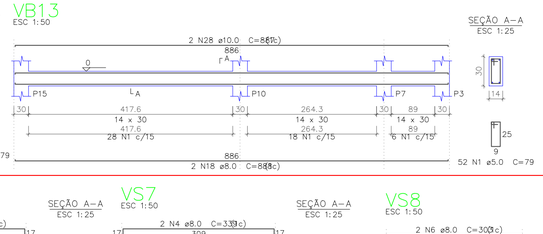

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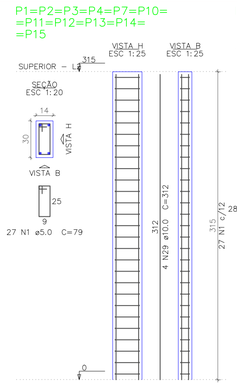

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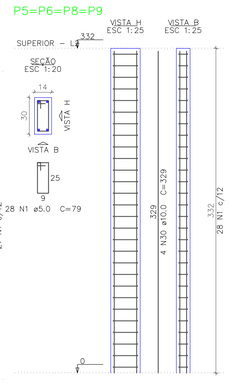

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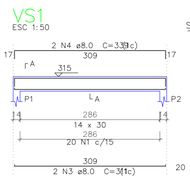

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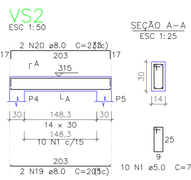

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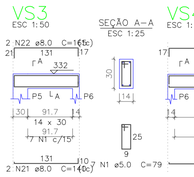

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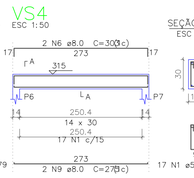

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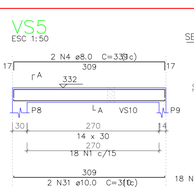

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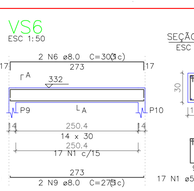

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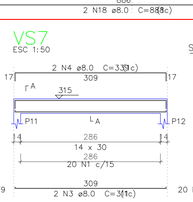

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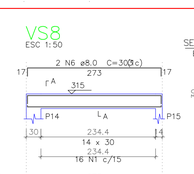

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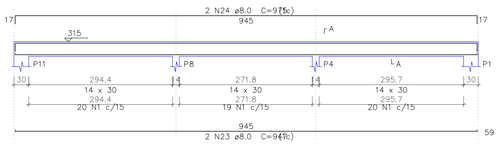

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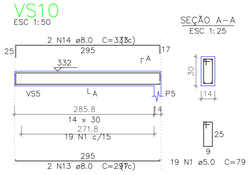

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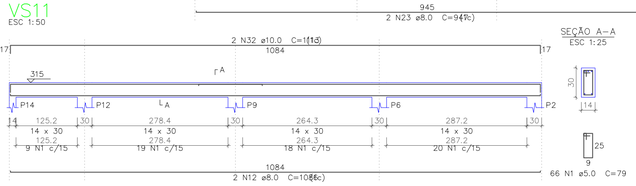

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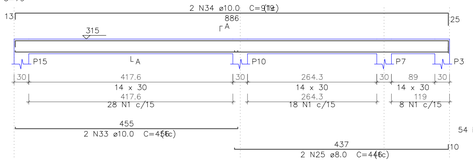

Resumo do aço - INFRAESTRUTURA

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	228.6	21	99.2
	10.0	74.2	7	50.3
CA60	5.0	336.6	31	57.1
PESO TOTAL (kg)				
CA50	149.5			
CA60	57.1			

Volume de concreto (C-25) = 2.24 m³
Área de forma = 39.49 m²

Resumo do aço - SUPERESTRUTURA

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	164	16	71.2
	10.0	245.9	23	166.8
CA60	5.0	578.3	54	98
PESO TOTAL (kg)				
CA50	237.9			
CA60	98			

Volume de concreto (C-25) = 3.98 m³
Área de forma = 68.84 m²

gov.br
Documento assinado digitalmente
ROGERIO GARCIA DA SILVA
Data: 24/09/2025 10:22:28-0300
Verifique em https://validar.iti.gov.br

Nº	DISCRIMINAÇÃO DAS REVISÕES	DATA	APROVAÇÃO
0	Emissão inicial	<>	<>

Obra: PROJETO ESTRUTURAL RESIDENCIAL

Projeto: Rogério Garcia da Silva, Crea MG 229084/D

Proprietário: PREFEITURA MUNICIPAL DE LIMEIRA DO OESTE, CNPJ: 26.042.556/0001-34

Projeto: DETALHAMENTO COMPLETO

Folha: 1/1

Descriminação: COMPLETO, CONCRETO E AÇO

Data	Escala	Desenho	Conferência
AGOSTO/2025	INDICADAS	J.A.L.V.	J.A.L.V.

Forma do pavimento BALDRAME (Nível 0)
escala 1:75

Forma do pavimento SUPERIOR (Nível 315)
escala 1:75