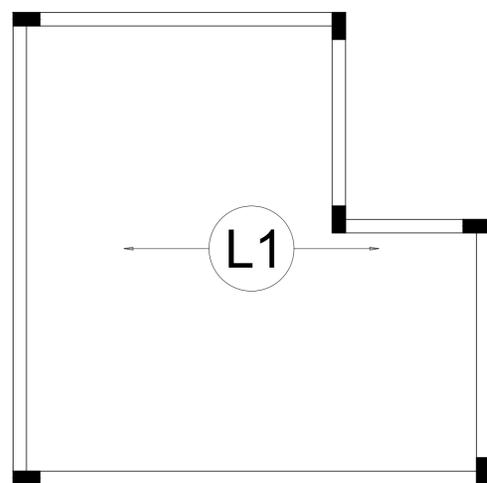
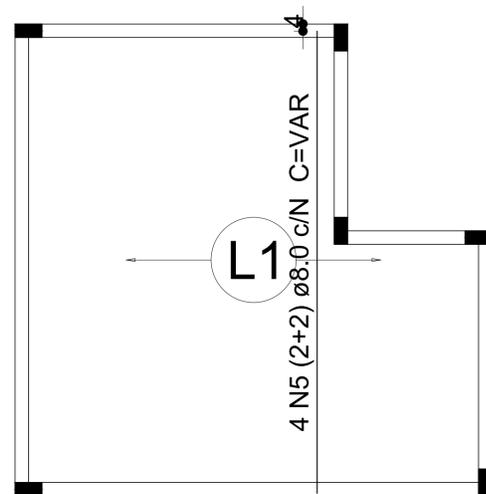


Planta de localização
escala 1:50



Armação positiva das lajes do pavimento Cobertura (Eixo X)
escala 1:50

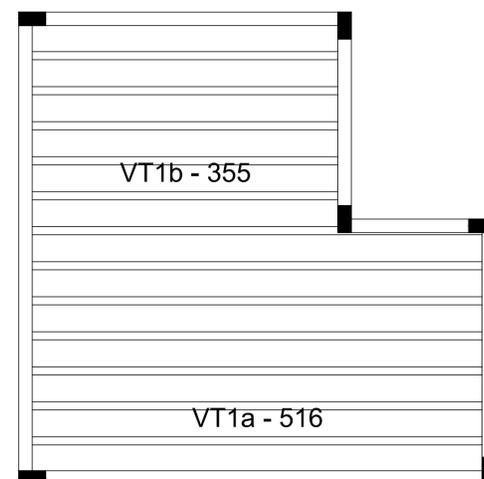
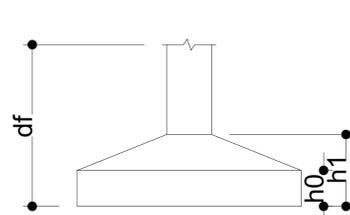


Armação positiva das lajes do pavimento Cobertura (Eixo Y)
escala 1:50

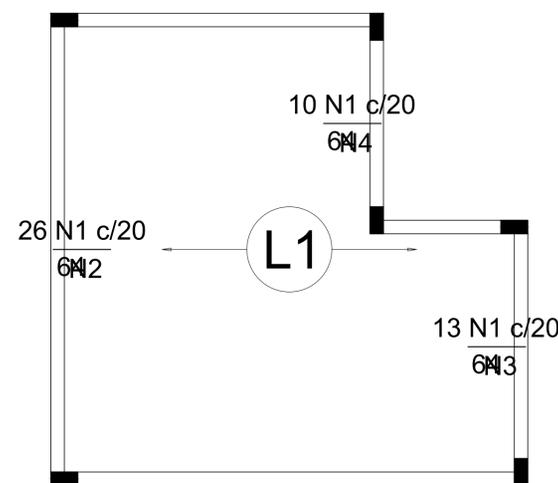
Nome	Seção (cm)	Pilar		Carga Máx. (tf)	Carga Min. (tf)	Fundação				
		X (cm)	Y (cm)			Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P1	15x30	7.50	279.95	3.4	3.3	60	75	30	40	100
P2	15x30	234.96	287.45	2.6	2.4	60	75	30	40	100
P3	15x30	242.50	170.95	3.1	3.0	60	75	30	40	100
P4	15x30	400.00	167.45	2.5	2.4	60	75	30	40	100
P5	15x30	400.00	7.50	2.3	2.2	60	75	30	40	100
P6	15x30	242.50	15.00	4.1	3.9	60	75	30	40	100
P7	15x30	7.50	15.00	3.5	3.3	60	75	30	40	100

Locação no eixo X	
Coordenadas (cm)	Nome
7.50	P1, P7
234.96	P2
242.50	P3, P6
400.00	P4, P5

Locação no eixo Y	
Coordenadas (cm)	Nome
287.45	P2
279.95	P1
170.95	P3
167.45	P4
15.00	P7, P6
7.50	P5



Planta de vigotas pré-moldadas
escala 1:50

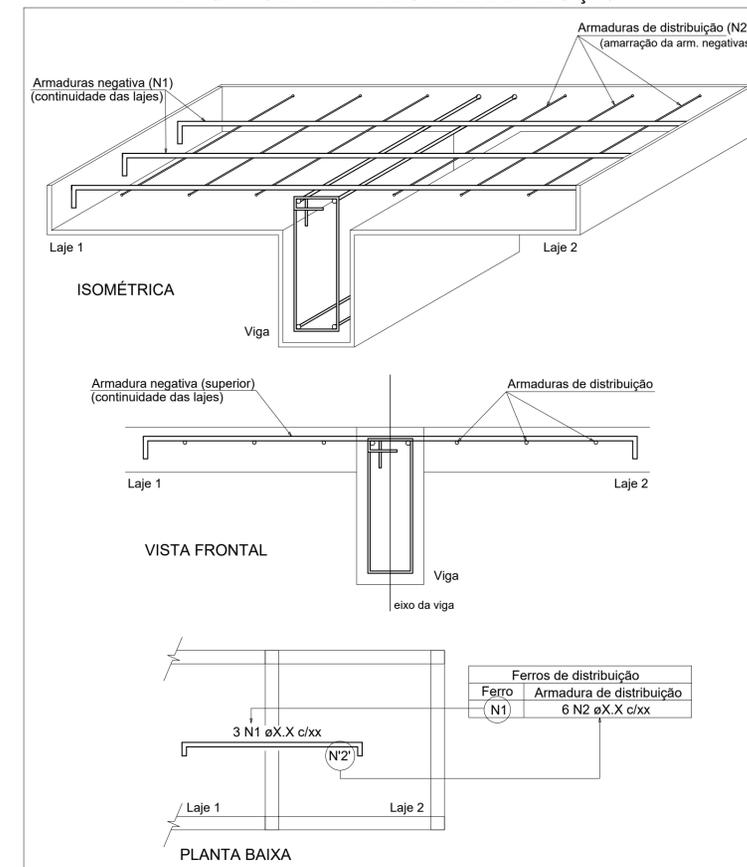


Armação negativa das lajes do pavimento Cobertura (Eixo X)
escala 1:50

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	20.6	8.9
CA60	5.0	70.6	12
PESO TOTAL (kg)			
CA50	8.9		
CA60	12		

DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Negativos X Positivos Y

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	49	64	3136
	2	5.0	4	511	2044
	3	5.0	4	267	1068
	4	5.0	4	203	812
	5	8.0	4	VAR	VAR

Feros de distribuição	
Ferro	Armadura de distribuição
N1	4 N2 ø5.0 c/20 C=511
N1	4 N3 ø5.0 c/20 C=267
N1	4 N4 ø5.0 c/20 C=203

Documento assinado digitalmente
RAINY CARVALHO SILVA
Data: 04/09/2023 10:28:29 -0300
Verifique em https://validar.jf.gov.br

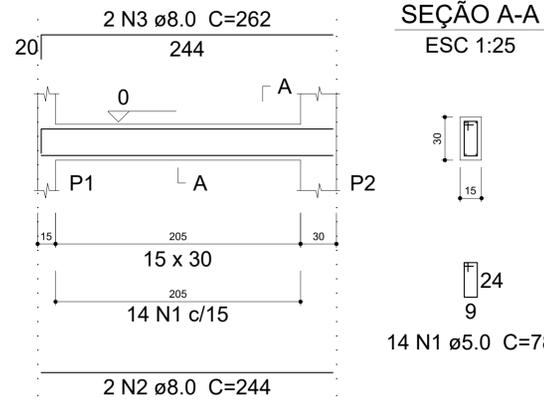
INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA
RONDÔNIA
Campus Ariquemes
PROJETO CIDADES INTELIGENTES

TÍTULO DO PROJETO:
CENTRO DE EMPREENDEDORISMO E INOVAÇÃO
TÍTULO DO DESENHO:
PROJETO ESTRUTURAL - LOCAÇÃO DE SAPATAS E LAJE
PROFISSIONAL RESPONSÁVEL PELO PROJETO
RAINY CARVALHO SILVA CREA:20107
ENDEREÇO DO LOCAL
Av. Tancredo Neves, 3960 - St. Institucional, Ariquemes - RO, 76872-854

FOLHA:
01/03

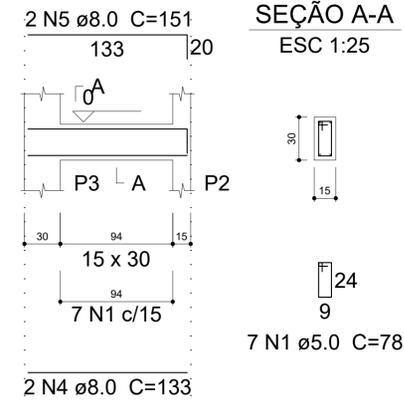
V1

ESC 1:30



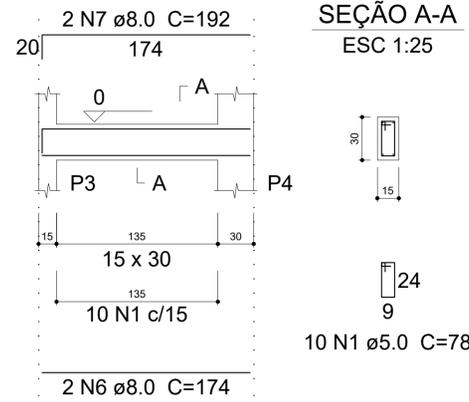
V2

ESC 1:30



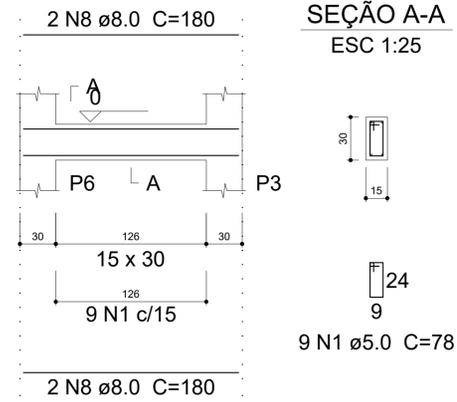
V3

ESC 1:30



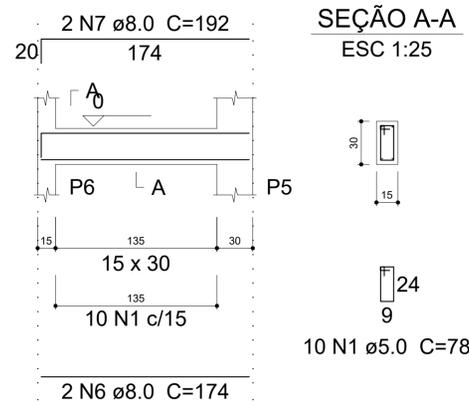
V4

ESC 1:30



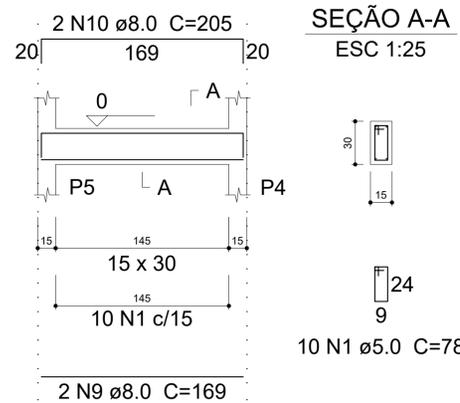
V5

ESC 1:30



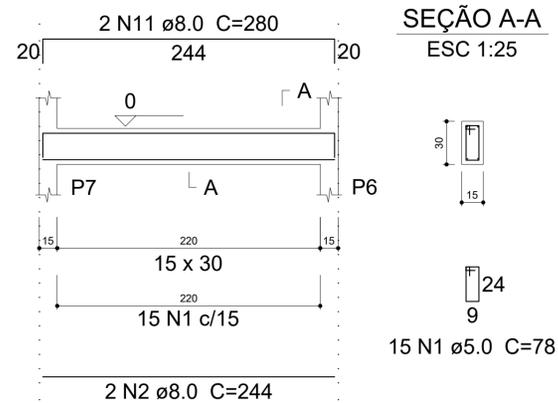
V6

ESC 1:30



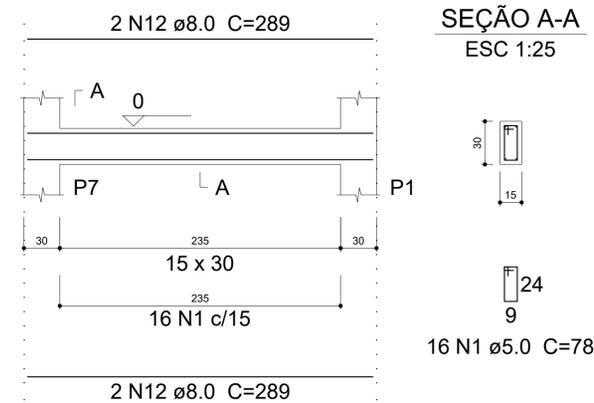
V7

ESC 1:30



V8

ESC 1:30



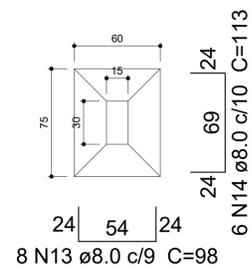
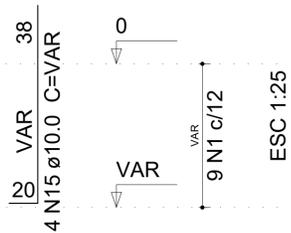
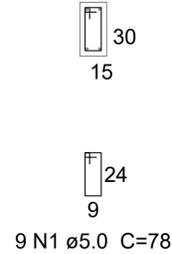
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S1=S2=S3=S4=S5=S6=S7

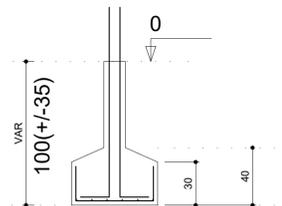
PLANTA
ESC 1:25

CORTE
ESC 1:25

FUNDAÇÃO - L1
ESC 1:20



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	154	78	12012
CA50	2	8.0	4	244	976
	3	8.0	2	262	524
	4	8.0	2	133	266
	5	8.0	2	151	302
	6	8.0	4	174	696
	7	8.0	4	192	768
	8	8.0	4	180	720
	9	8.0	2	169	338
	10	8.0	2	205	410
	11	8.0	2	280	560
	12	8.0	4	289	1156
	13	8.0	56	98	5488
	14	8.0	42	113	4746
	15	10.0	28	VAR	VAR

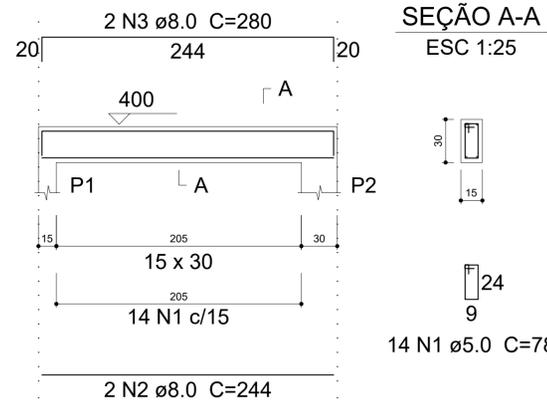
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	169.5	73.6
	10.0	43.7	29.6
CA60	5.0	120.2	20.4
PESO TOTAL (kg)			
CA50	103.2		
CA60	20.4		

Volume de concreto (C-25) = 2.15 m³
Área de forma = 24.38 m²

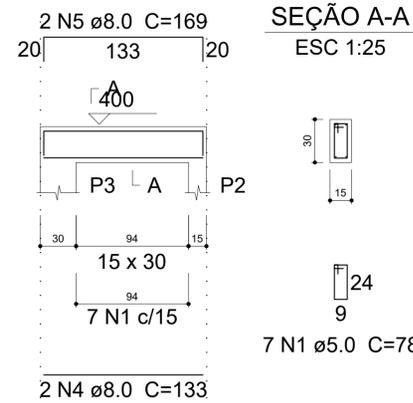
V1

ESC 1:30



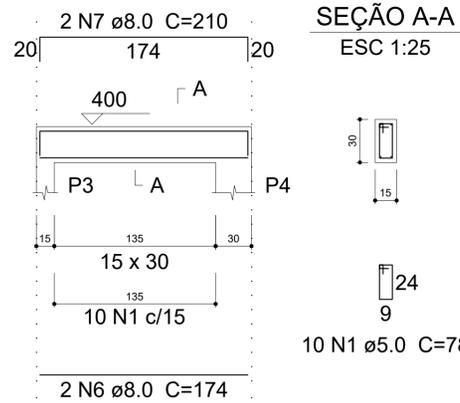
V2

ESC 1:30



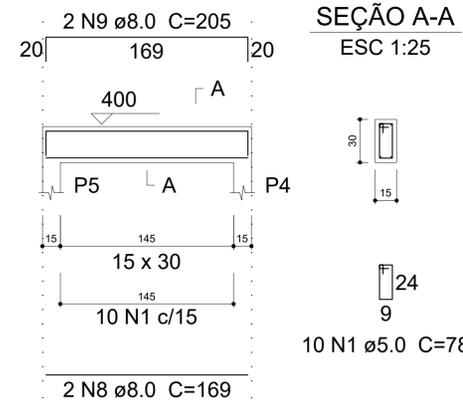
V3

ESC 1:30



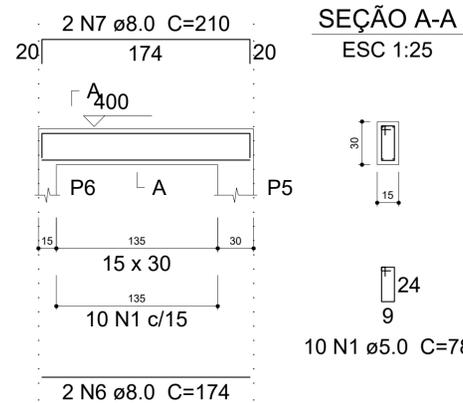
V4

ESC 1:30



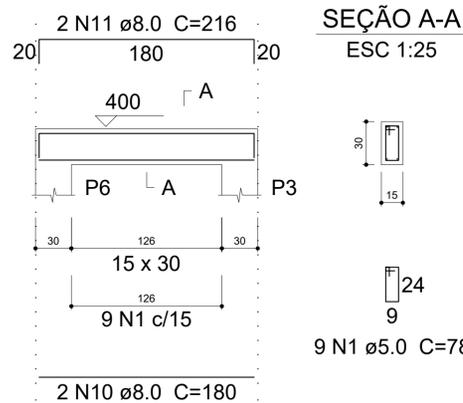
V5

ESC 1:30



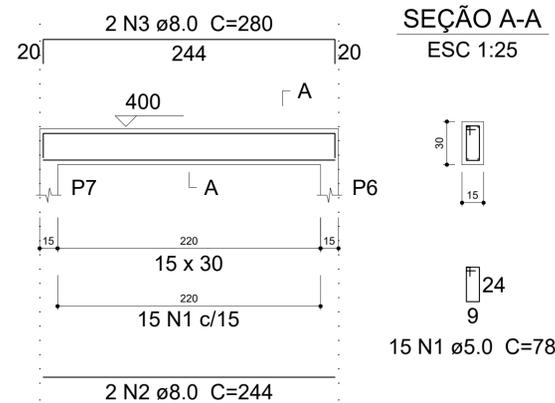
V6

ESC 1:30



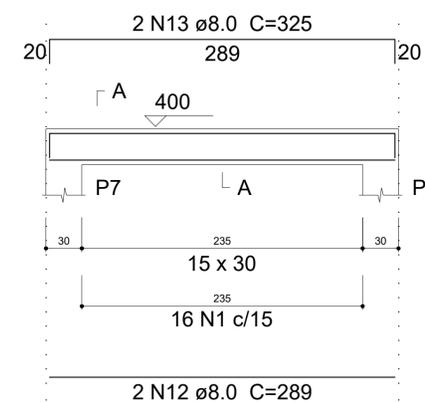
V7

ESC 1:30



V8

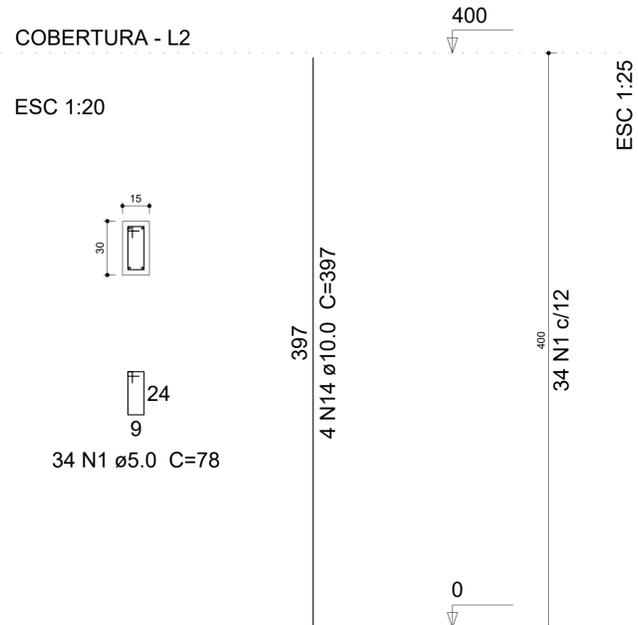
ESC 1:30



P1=P2=P3=P4=P5=P6=P7

COBERTURA - L2

ESC 1:20



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	329	78	25662
CA50	2	8.0	4	244	976
	3	8.0	4	280	1120
	4	8.0	2	133	266
	5	8.0	2	169	338
	6	8.0	4	174	696
	7	8.0	4	210	840
	8	8.0	2	169	338
	9	8.0	2	205	410
	10	8.0	2	180	360
	11	8.0	2	216	432
	12	8.0	2	289	578
	13	8.0	2	325	650
	14	10.0	28	397	11116

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	70.1	30.4
	10.0	111.2	75.4
CA60	5.0	256.7	43.5
PESO TOTAL (kg)			
CA50		105.8	
CA60		43.5	

Volume de concreto (C-25) = 2 m³
Área de forma = 37.61 m²

SEÇÃO A-A ESC 1:25

