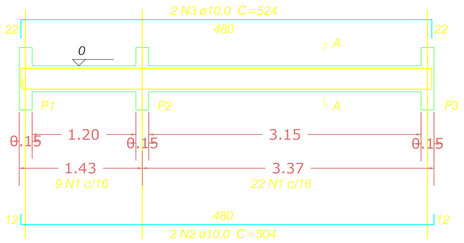
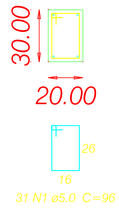
V1 (20 x 30)

ESC 1:50

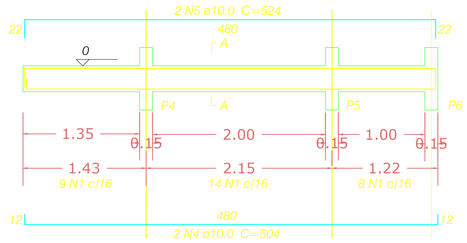


SEÇÃO A-A
ESC 1:25

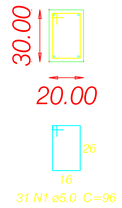


V2 (20 x 30)

ESC 1:50

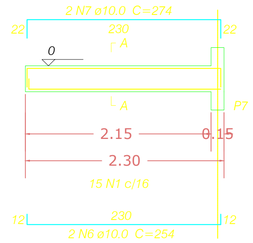


SEÇÃO A-A
ESC 1:25

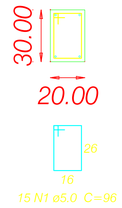


V3 (20 x 30)

ESC 1:50

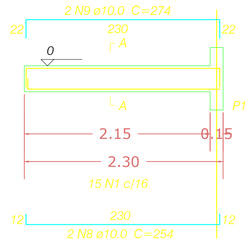


SEÇÃO A-A
ESC 1:25

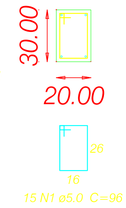


V4 (20 x 30)

ESC 1:50

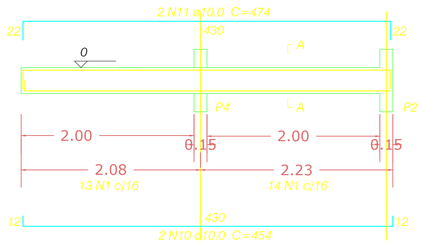


SEÇÃO A-A
ESC 1:25

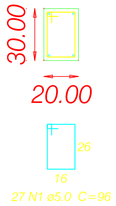


V5 (20 x 30)

ESC 1:50

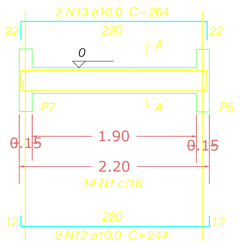


SEÇÃO A-A
ESC 1:25

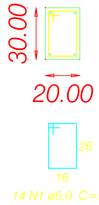


V6 (20 x 30)

ESC 1:50

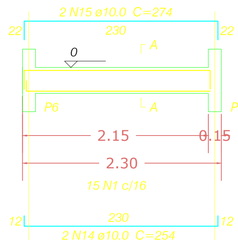


SEÇÃO A-A
ESC 1:25

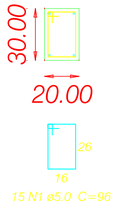


V7 (20 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



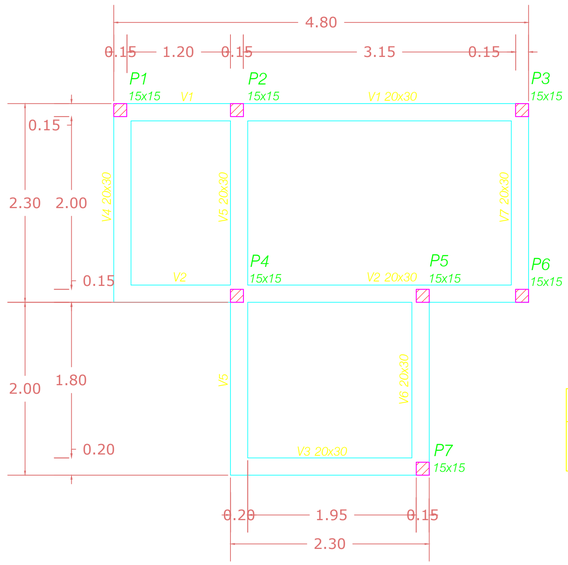
Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	148	96	14208
CA50	2	10.0	2	504	1008
	3	10.0	2	524	1048
	4	10.0	2	504	1008
	5	10.0	2	524	1048
	6	10.0	2	254	508
	7	10.0	2	274	548
	8	10.0	2	254	508
	9	10.0	2	274	548
	10	10.0	2	454	908
	11	10.0	2	474	948
	12	10.0	2	244	488
	13	10.0	2	264	528
	14	10.0	2	254	508
	15	10.0	2	274	548

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)
CA50	10.0	101.52
CA60	5.0	142.10

Vigas de Fundação
Escala 1:50



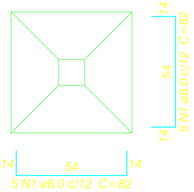
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x30	0	0
V2	20x30	0	0
V3	20x30	0	0
V4	20x30	0	0
V5	20x30	0	0
V6	20x30	0	0
V7	20x30	0	0

Características dos materiais		
Elemento	fck (kgf/cm²)	Ecs (kgf/cm²)
Vigas	250	241500
Pilares	250	241500
Sapatas	200	212874

Forma do pavimento Fundação
Escala 1:50

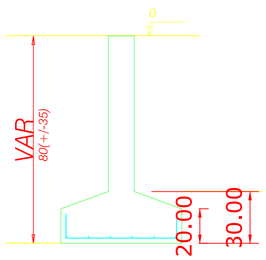
S1=S2=S3=S4=S5=S6=S7

PLANTA
ESC 1:25



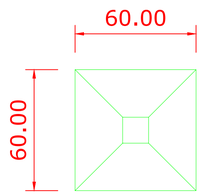
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	70	82	5740



Sapatas
Escala 1:50

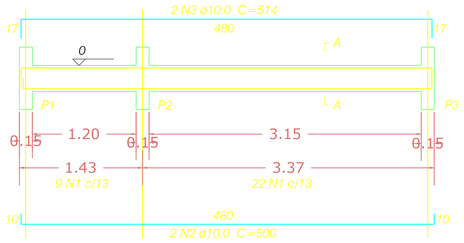
PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

ESTRUTURAL GUARITAS

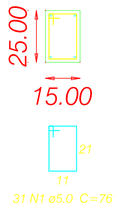
ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 01/02
RESP. TÉCNICO: ARIELLE CALIARI SPOHR CREA RS 200.976		ASSINATURA	

V1 (15 x 25)

ESC 1:50

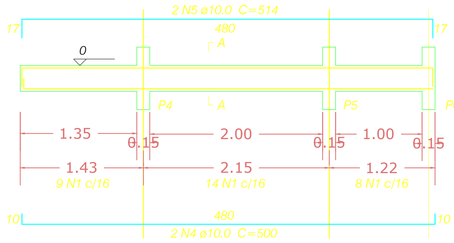


SEÇÃO A-A
ESC 1:25

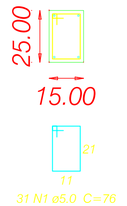


V2 (15 x 25)

ESC 1:50

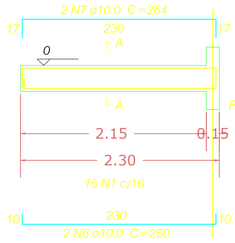


SEÇÃO A-A
ESC 1:25

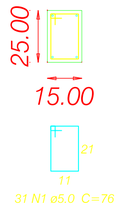


V3 (15 x 25)

ESC 1:50

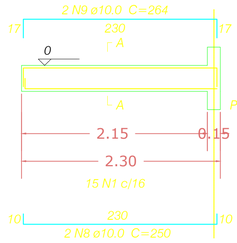


SEÇÃO A-A
ESC 1:25

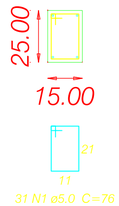


V4 (15 x 25)

ESC 1:50

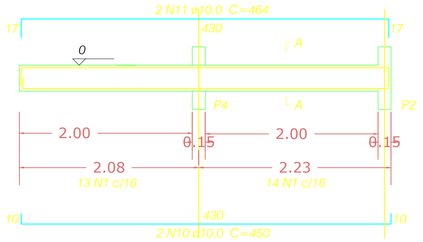


SEÇÃO A-A
ESC 1:25



V5 (15 x 25)

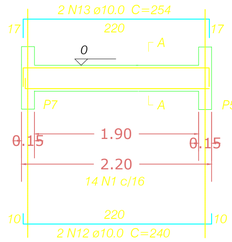
ESC 1:50



SEÇÃO A-A
ESC 1:25

V6 (15 x 25)

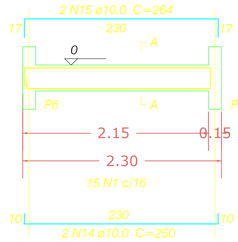
ESC 1:50



SEÇÃO A-A
ESC 1:25

V7 (15 x 25)

ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

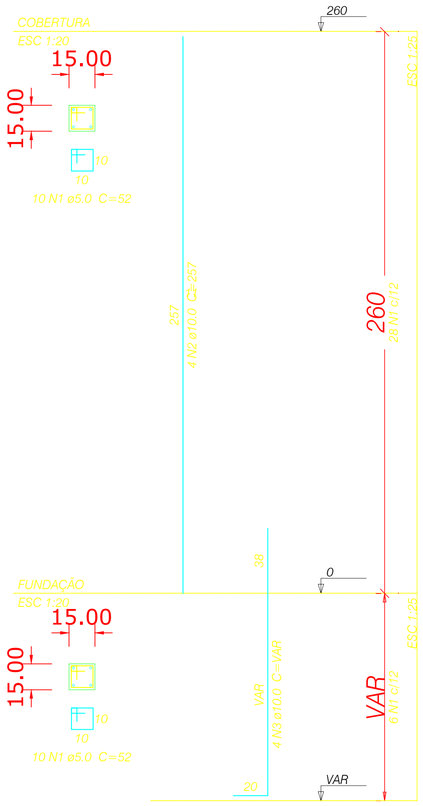
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	148	76	11248
CA50	2	10.0	2	500	1000
	3	10.0	2	514	1028
	4	10.0	2	500	1000
	5	10.0	2	514	1028
	6	10.0	2	250	500
	7	10.0	2	264	528
	8	10.0	2	250	500
	9	10.0	2	264	528
	10	10.0	2	450	900
	11	10.0	2	464	928
	12	10.0	2	240	480
	13	10.0	2	254	508
	14	10.0	2	250	500
	15	10.0	2	264	528

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)
CA50	10.0	99.60
CA60	5.0	112.50

Vigas de Cobertura
Escala 1:50

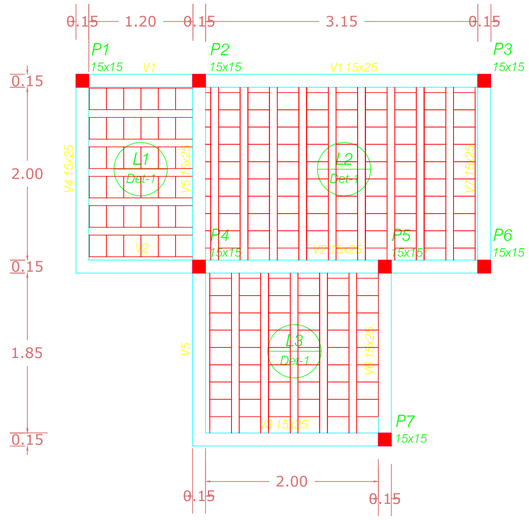
P1=P2=P3=P4=P5=P6=P7



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	70	52	3640
CA50	2	10.0	28	257	7196
	3	10.0	28	VAR	VAR

Pilares
Escala 1:50



Blocos de enchimento

Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	Lajota cerâmica	B8/25/20	8	25	20	248

Vigas

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x25	0	260
V2	15x25	0	260
V3	15x25	0	260
V4	15x25	0	260
V5	15x25	0	260
V6	15x25	0	260
V7	15x25	0	260

Características dos materiais

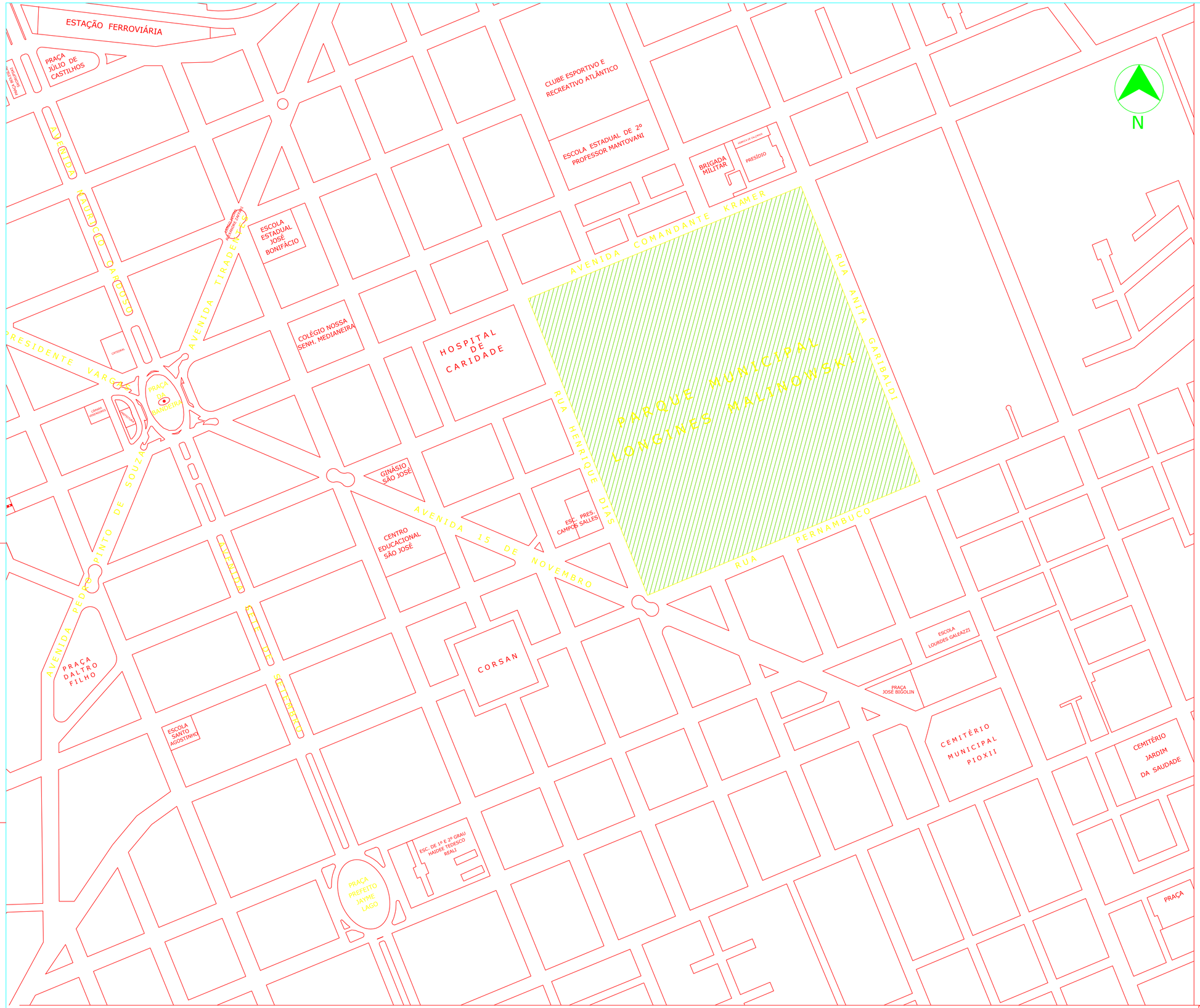
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Forma do pavimento Superior
Escala 1:50

PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

ESTRUTURAL GUARITAS

ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 02/02
RESP. TÉCNICO: ARIELLE CALIARI SPOHR — CREA RS 200.976	ASSINATURA		



SITUAÇÃO
Escala: 1/3000

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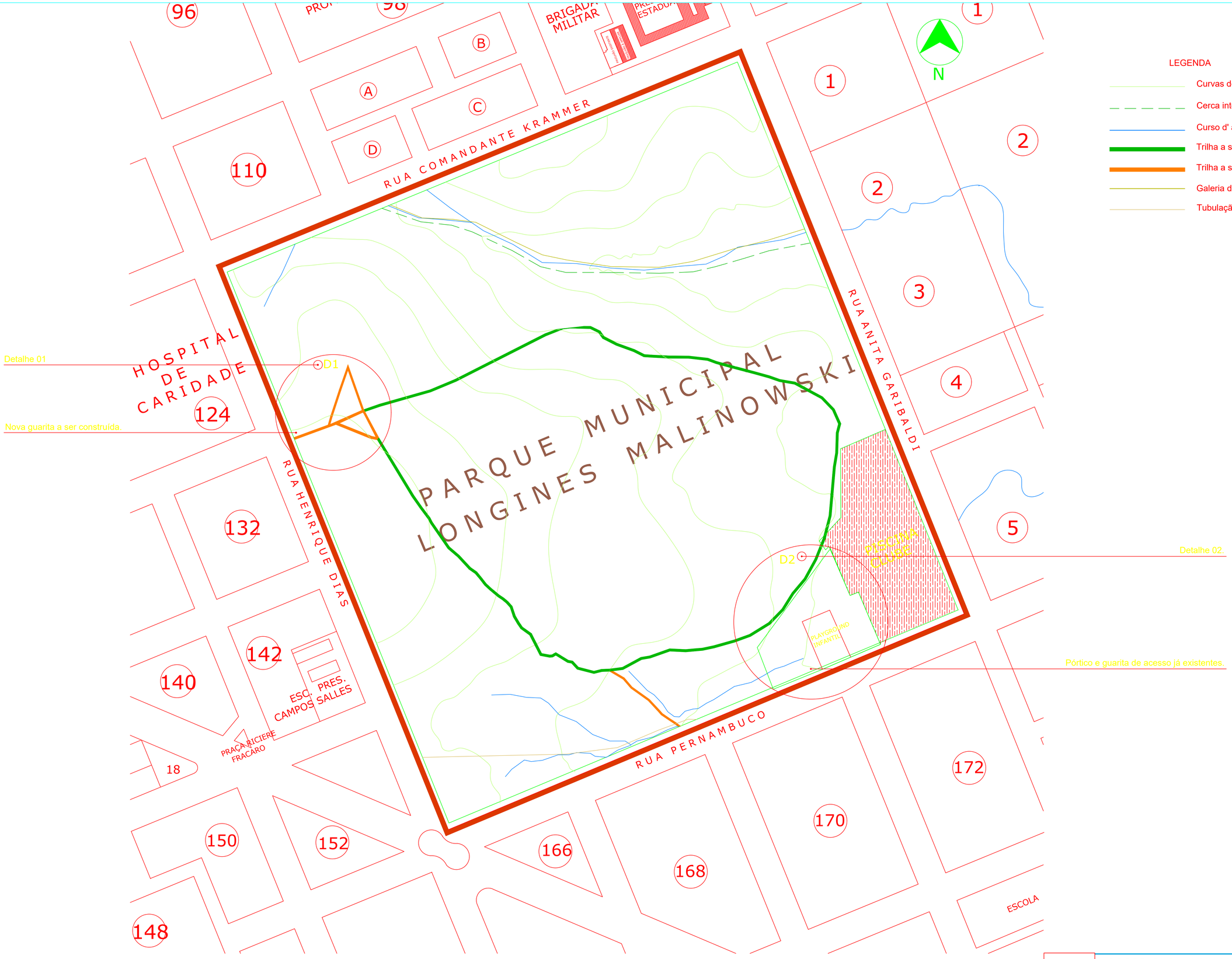
PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

PLANTA DE LOCALIZAÇÃO

ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/3000
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 01/05
RESP. TÉCNICO: ARIELLE CALIARI SPOHR - CREA RS 200.976	ASSINATURA		



LEGENDA

- Curvas de nível
- Cerca interna
- Curso d' água
- Trilha a ser pavimentada (6,0cm)
- Trilha a ser pavimentada (8,0cm)
- Galeria de esgoto sanitário
- Tubulação de esgoto sanitário

LOCALIZAÇÃO

Escala: 1/1500

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PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

PLANTA DE SITUAÇÃO

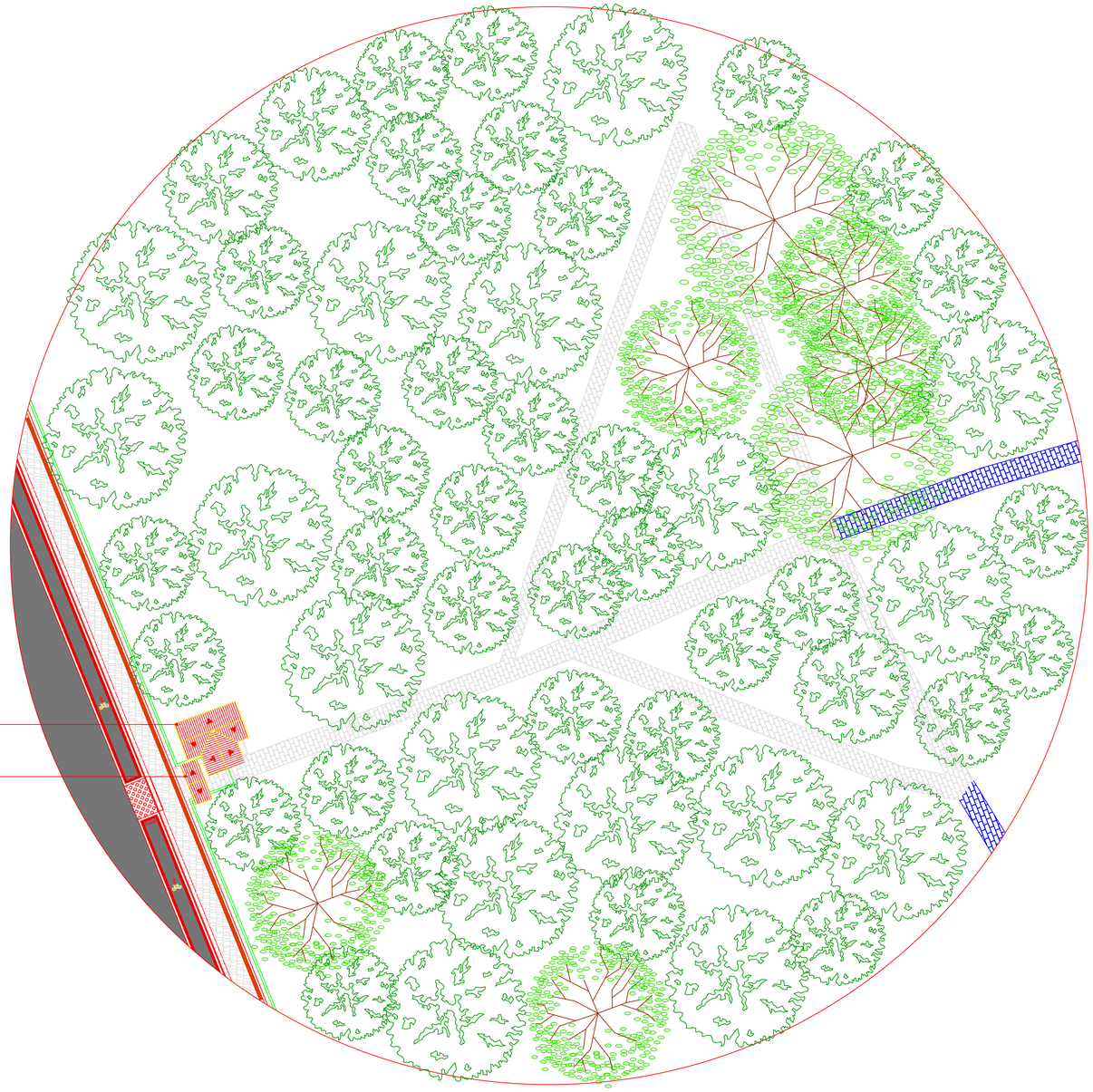
ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 02/05
RESP. TÉCNICO: ARIELLE CALIARI SPOHR CREA RS 200.976	ASSINATURA		

N

LEGENDA

Pavimentação com blocos de concreto interetravados e=8,0cm

Pavimentação com blocos de concreto interetravados e=6,0cm



Guarita de acesso a ser construída

Pórtico de acesso a ser construído posteriormente.

DETALHE D1

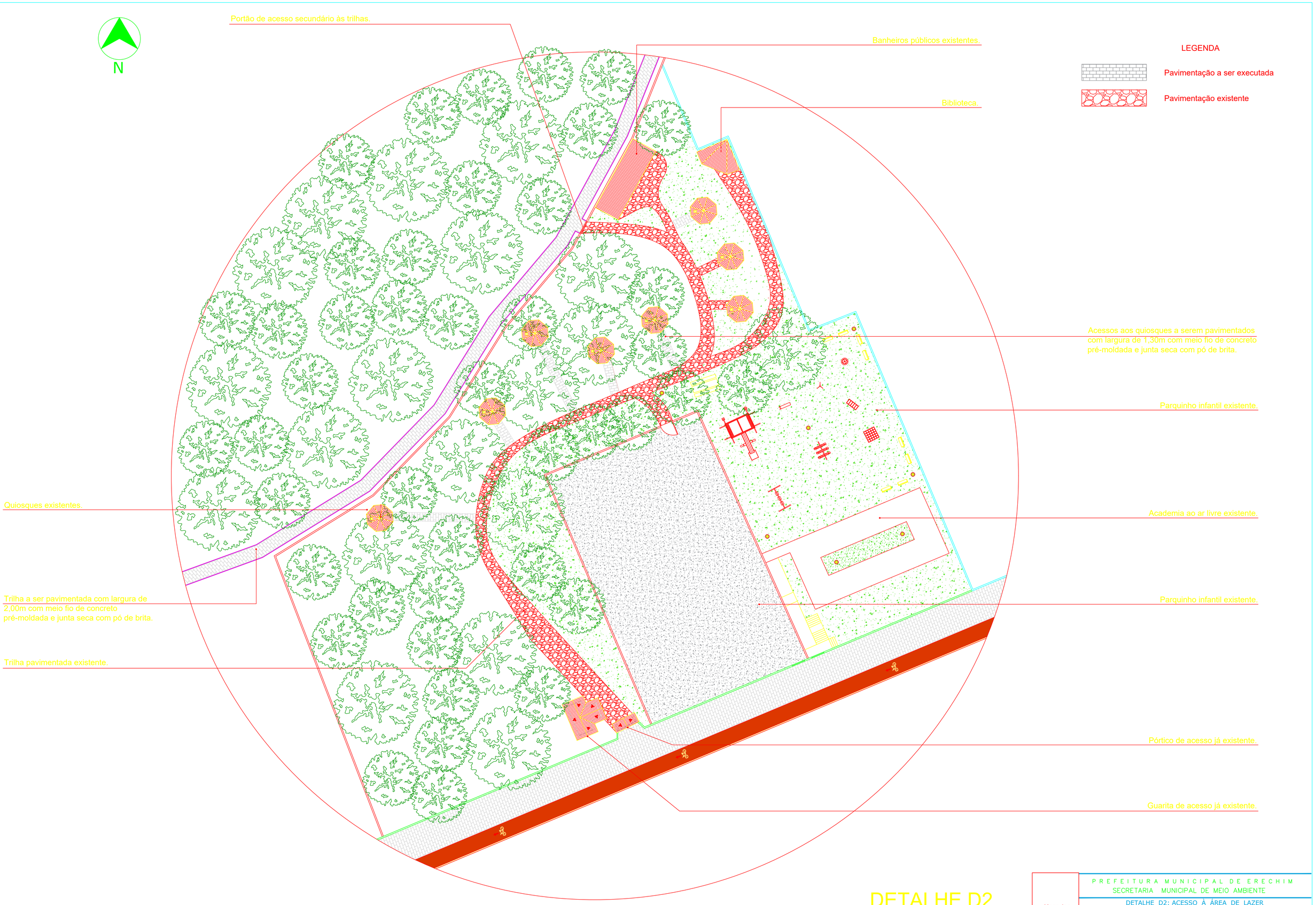
Escala: 1/250

PREFEITURA MUNICIPAL DE ERECHIM

SECRETARIA MUNICIPAL DE MEIO AMBIENTE

DETALHE D1: ACESSO AO PARQUE

ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: indicada
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 03/05
RESP. TÉCNICO: ARIELLE CALIARI SPOHR CREA-RS 200.976	ASSINATURA		



DETALHE D2

Escala: 1/250

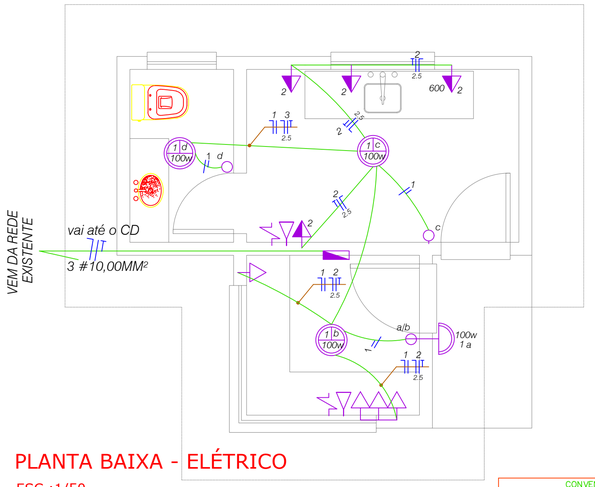
...\logo.jpg

PREFEITURA MUNICIPAL DE ERECHIM

SECRETARIA MUNICIPAL DE MEIO AMBIENTE

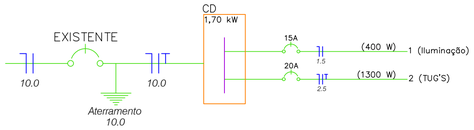
DETALHE D2: ACESSO À ÁREA DE LAZER

ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: indicada
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 04/08
RESP. TÉCNICO: ARIELLE CALIARI SPOHR - CREA RS 200.976	ASSINATURA		



PLANTA BAIXA - ELÉTRICO

ESC.:1/50

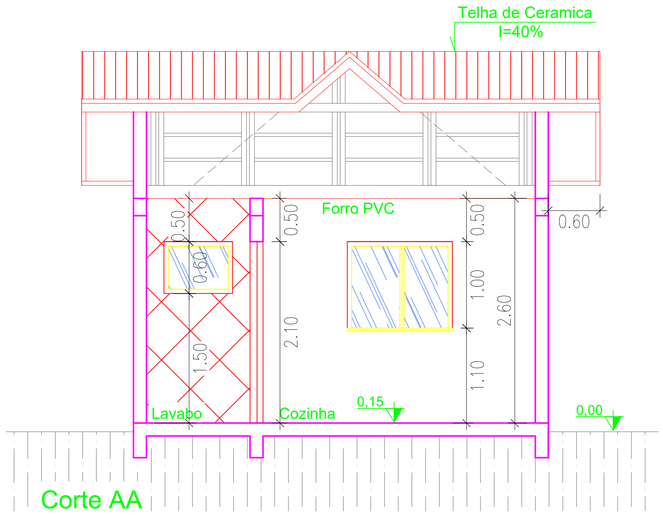


CONVENÇÕES
Pontos de luz sem potência indicada – 23w – lâmpada fluorescente compacta (23W <=> 100W)
Tomadas sem potência indicada – 100w
Todas as tomadas são 2P+T (exceto indicados)
Eletrodutos não indicados – ø1"
Condutores não indicados – 1,5mm²

LEGENDA
Tomada baixa 30cm chão
Tomada média h= 1,10 m
Tomada média c/ interruptor h= 1,10 m
Tomada alta h= 2,20 m
Tomada c/ potência indicada
Arandela h= 1,60 m
Interruptor simples h= 1,10m
Interruptor duplo h= 1,10m
Interruptor triplo h= 1,10m
Interruptor paralelo (Three-Way) h= 1,10m
Interruptor intermediário (Four-Way) h= 1,10m
Luminária Teto
Interruptor 1 tecla paralelo e 1 tecla simples
Interruptor 1 tecla paralelo e 2 teclas simples
Sensor de presença
Centro de Distribuição embutido h= 1,50m
Ponto de antena TV
Ponto de telefone/Net

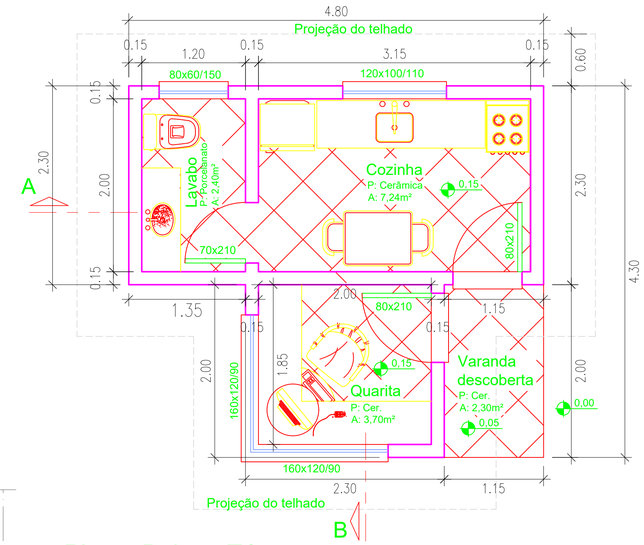
Quadro de Cargas - QDC

Quadro	Circuito	Descrição	Potência (W)	Potência (VA)	Fator Potência	Fator Demanda	Demanda	Tensão (V)	Corrente (A)	Fase (mm^2)	Neutro (mm^2)	Terra (mm^2)	Proteção (A)	Fase
QDC1	1	Lâmpadas	400.00	400.00	1.00	1.00	400.00	220.00	1,80	1.5	1.5		15	400.00
QDC1	2	Tomadas	1300.00	1300.00	1.00	1.00	1300.00	220.00	5,90	2.5	2.5	2.5	20	1300.00
QDC1	SOMA		1700.00	1700.00	1.00	1.00	1700.00	220.00	7,72	6.0	6.0	6.0	50	1700.00



Corte AA

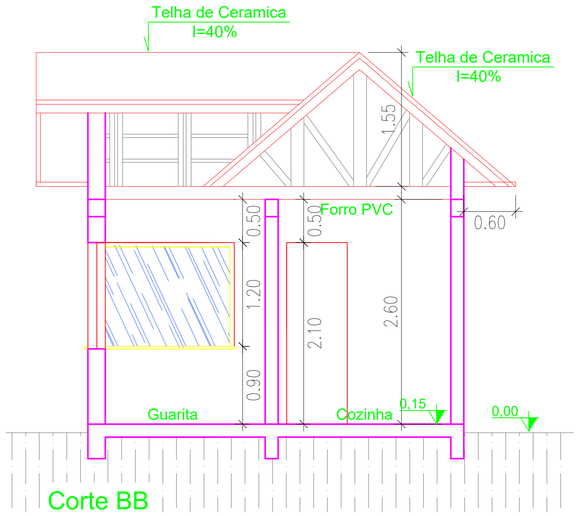
Esc.: 1/50



Planta Baixa - Térreo

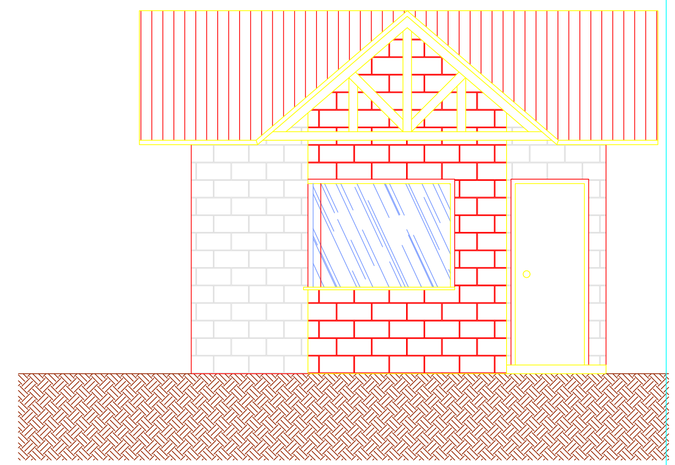
Área:17,94m²

Esc.: 1/50

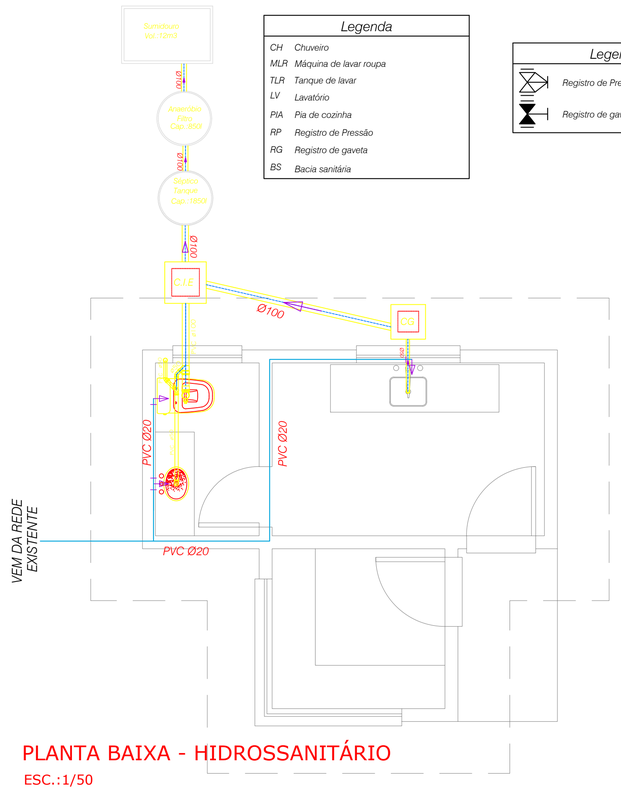


Corte BB

Esc.: 1/50



Fachada Frontal



Legenda	
CH	Chuveiro
MLR	Máquina de lavar roupa
TLR	Tanque de lavar
LV	Lavatório
PIA	Pia de cozinha
RP	Registro de Pressão
RG	Registro de gaveta
BS	Bacia sanitária

Legenda	
	Registro de Pressão - RP
	Registro de gaveta - RG

LEGENDA	
CG	CAIXA DE GORDURA
C.P	CAIXA DE PASSAGEM
C.I.E	CAIXA DE INSPEÇÃO
TQ-1 Ø100	TUBO DE QUEDA (REDE DE ESGOTO)
CV-1 Ø50	COLUNA VENTILAÇÃO (REDE DE ESGOTO)
	TUBULAÇÃO DE ESGOTO
	SENTIDO ESCOAMENTO

Legenda		
Registro de Pressão	Caixa de Gordura	Hidrômetro
Registro de Gaveta	CAF Ø25 Coluna de Água Fria	Fossa Séptica
Válvula de Descarga	TQ Ø100 Tubo de Queda	Cx.Insp. Caixa Inspeção (50x50x50)
Caixa Sifonada	CV Ø50 Coluna de Ventilação	Ponto de Água / Torneira
Ralo Seco		

PLANTA BAIXA - HIDROSSANITÁRIO

ESC.:1/50

PREFEITURA MUNICIPAL DE ERECHIM

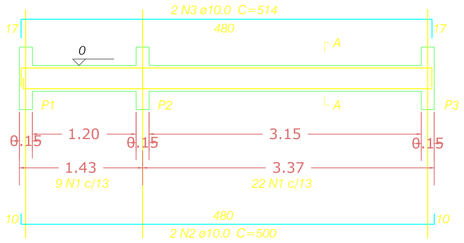
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

PROJETO DA GUARITA

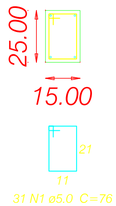
ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 05/05
RESP. TÉCNICO: ARIELLE CALIARI SPOHR CREA RS 200.976	ASSINATURA		

V1 (15 x 25)

ESC 1:50

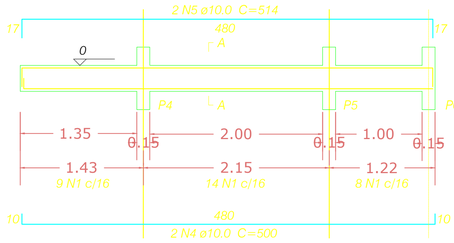


SEÇÃO A-A
ESC 1:25

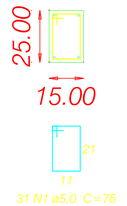


V2 (15 x 25)

ESC 1:50

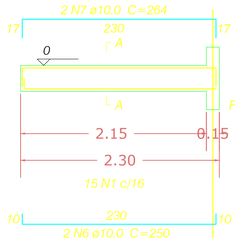


SEÇÃO A-A
ESC 1:25

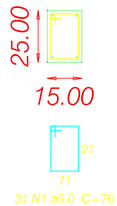


V3 (15 x 25)

ESC 1:50

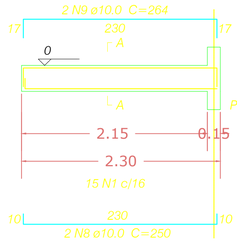


SEÇÃO A-A
ESC 1:25

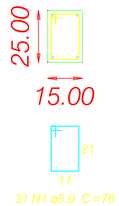


V4 (15 x 25)

ESC 1:50

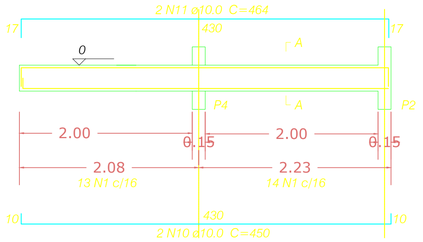


SEÇÃO A-A
ESC 1:25



V5 (15 x 25)

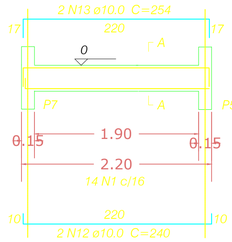
ESC 1:50



SEÇÃO A-A
ESC 1:25

V6 (15 x 25)

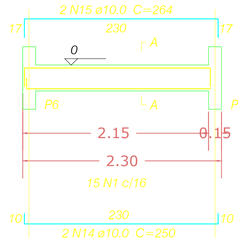
ESC 1:50



SEÇÃO A-A
ESC 1:25

V7 (15 x 25)

ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

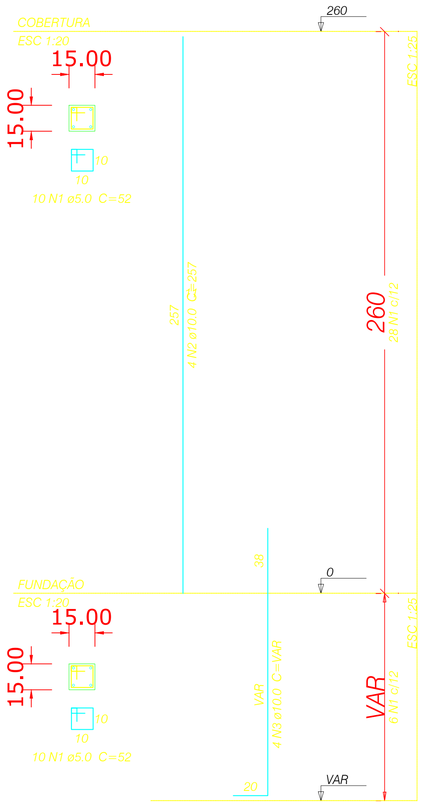
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	148	76	11248
CA50	2	10.0	2	500	1000
	3	10.0	2	514	1028
	4	10.0	2	500	1000
	5	10.0	2	514	1028
	6	10.0	2	250	500
	7	10.0	2	264	528
	8	10.0	2	250	500
	9	10.0	2	264	528
	10	10.0	2	450	900
	11	10.0	2	464	928
	12	10.0	2	240	480
	13	10.0	2	254	508
	14	10.0	2	250	500
	15	10.0	2	264	528

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)
CA50	10.0	99.60
CA60	5.0	112.50

Vigas de Cobertura
Escala 1:50

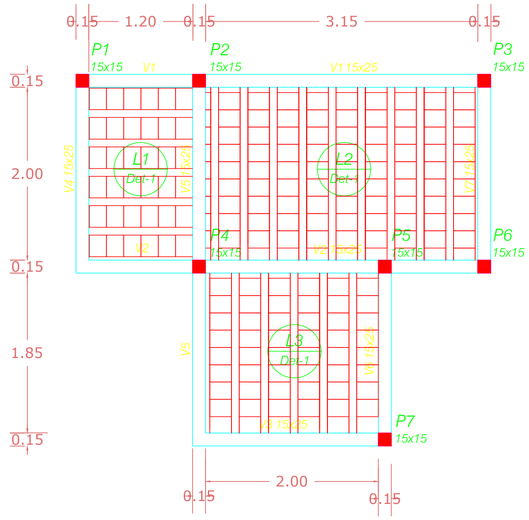
P1=P2=P3=P4=P5=P6=P7



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	70	52	3640
CA50	2	10.0	28	257	7196
	3	10.0	28	VAR	VAR

Pilares
Escala 1:50



Blocos de enchimento

Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	Lajota cerâmica	B8/25/20	8	25	20	248

Vigas

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x25	0	260
V2	15x25	0	260
V3	15x25	0	260
V4	15x25	0	260
V5	15x25	0	260
V6	15x25	0	260
V7	15x25	0	260

Características dos materiais

fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Forma do pavimento Superior
Escala 1:50

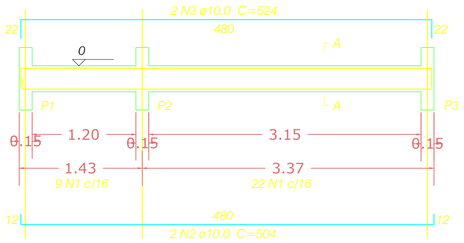
PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

ESTRUTURAL GUARITAS

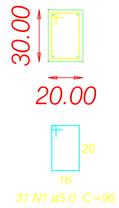
ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 02/02
RESP. TÉCNICO: ARIELLE CALIARI SPOHR — CREA RS 200.976	ASSINATURA		

V1 (20 x 30)

ESC 1:50

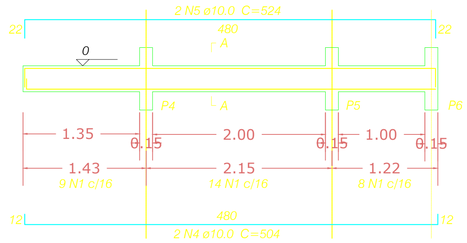


SEÇÃO A-A
ESC 1:25

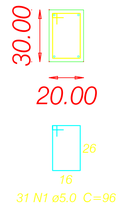


V2 (20 x 30)

ESC 1:50

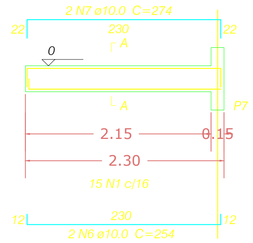


SEÇÃO A-A
ESC 1:25

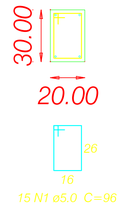


V3 (20 x 30)

ESC 1:50

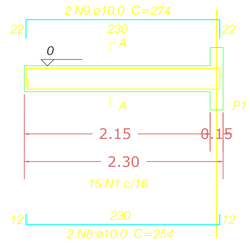


SEÇÃO A-A
ESC 1:25

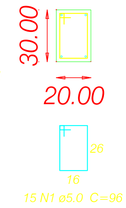


V4 (20 x 30)

ESC 1:50

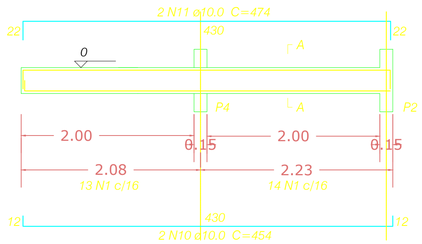


SEÇÃO A-A
ESC 1:25

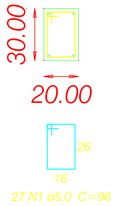


V5 (20 x 30)

ESC 1:50

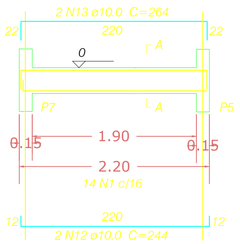


SEÇÃO A-A
ESC 1:25

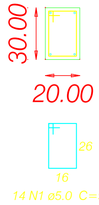


V6 (20 x 30)

ESC 1:50

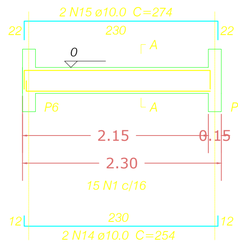


SEÇÃO A-A
ESC 1:25

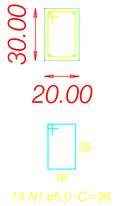


V7 (20 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



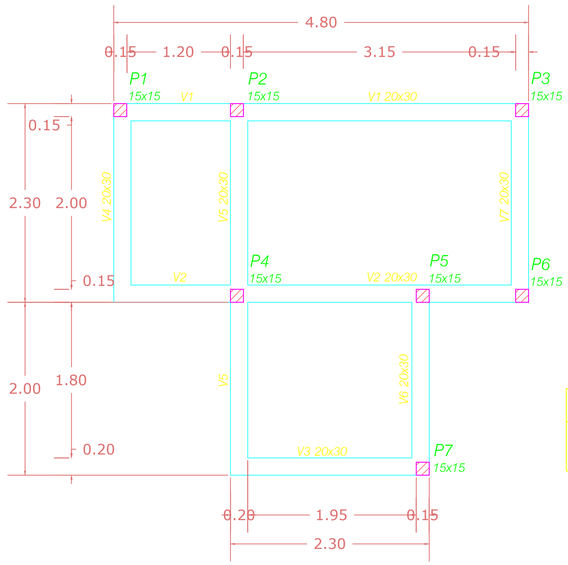
Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	148	96	14208
CA50	2	10.0	2	504	1008
	3	10.0	2	524	1048
	4	10.0	2	504	1008
	5	10.0	2	524	1048
	6	10.0	2	254	508
	7	10.0	2	274	548
	8	10.0	2	254	508
	9	10.0	2	274	548
	10	10.0	2	454	908
	11	10.0	2	474	948
	12	10.0	2	244	488
	13	10.0	2	264	528
	14	10.0	2	254	508
	15	10.0	2	274	548

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)
CA50	10.0	101.52
CA60	5.0	142.10

Vigas de Fundação
Escala 1:50



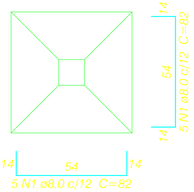
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x30	0	0
V2	20x30	0	0
V3	20x30	0	0
V4	20x30	0	0
V5	20x30	0	0
V6	20x30	0	0
V7	20x30	0	0

Características dos materiais		
Elemento	fck (kgf/cm²)	Ecs (kgf/cm²)
Vigas	250	241500
Pilares	250	241500
Sapatas	200	212874

Forma do pavimento Fundação
Escala 1:50

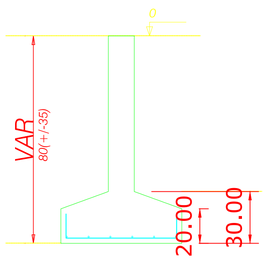
S1=S2=S3=S4=S5=S6=S7

PLANTA
ESC 1:25



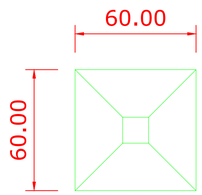
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	70	82	5740



Sapatas
Escala 1:50

PREFEITURA MUNICIPAL DE ERECHIM
SECRETARIA MUNICIPAL DE MEIO AMBIENTE

ESTRUTURAL GUARITAS

ASSUNTO: REQUALIFICAÇÃO PARQUE LONGINES MALINOVSKI		DATA: JULHO/2021	ESCALA: 1/1500
SOLICITANTE: MUNICÍPIO DE ERECHIM	ASSINATURA	LOCAL: RUA HENRIQUE DIAS, CENTRO	PRANCHA: 01/02
RESP. TÉCNICO: ARIELLE CALIARI SPOHR CREA RS 200.976		ASSINATURA	