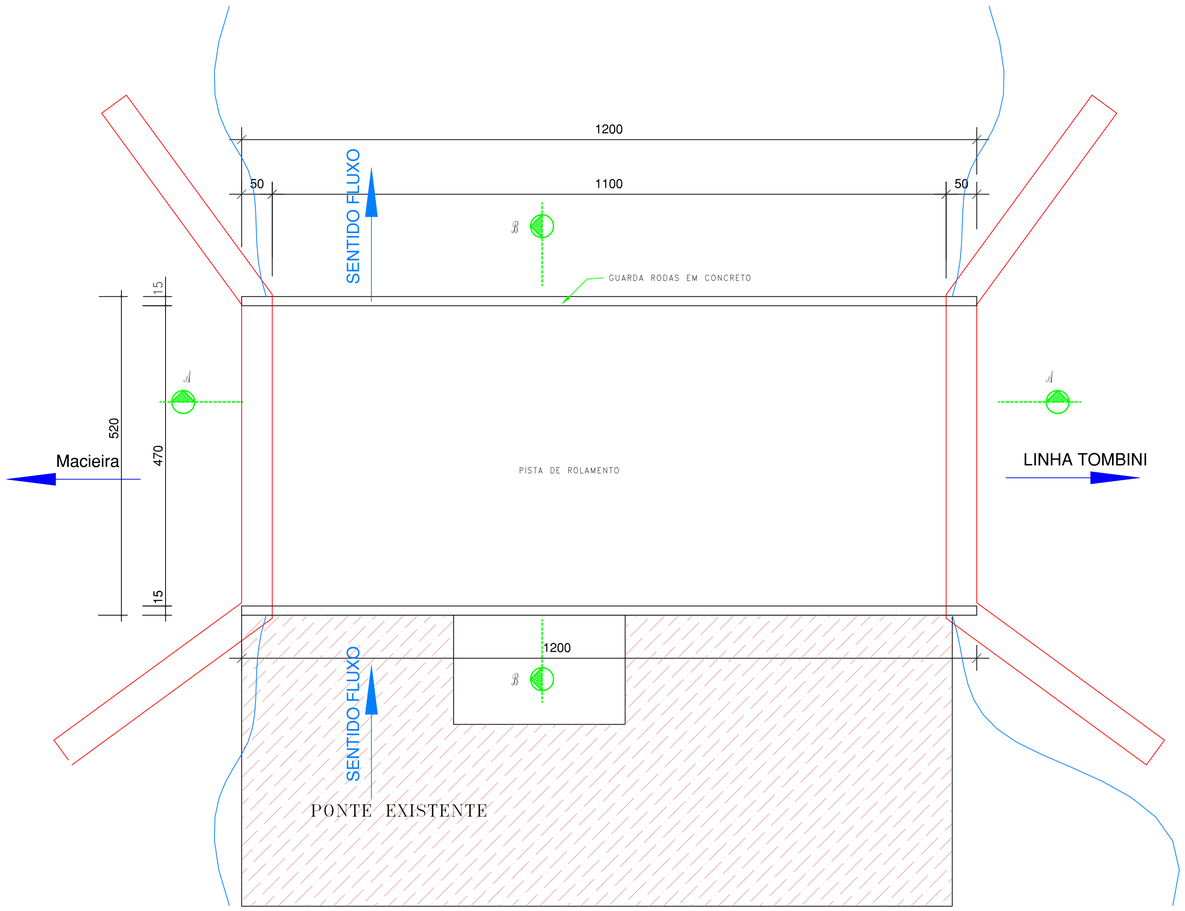


DETALHE PLANTA BAIXA C/ DIMENSÕES

(KIT PADRÃO)

ESC.....1:50

AREA DA PONTE - 78,00m2



AREA DE INTERVENÇÃO

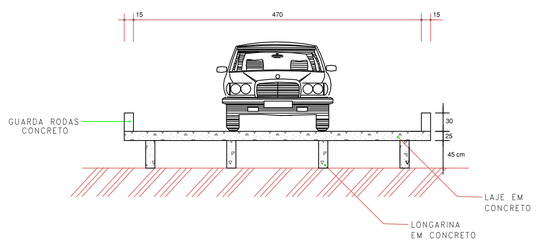
LOCALIZAÇÃO

SEM ESC.

OBSERVAÇÕES

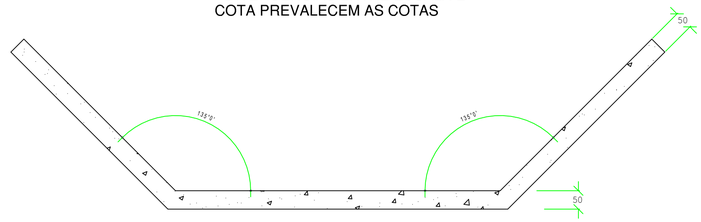
* VERIFICAR AS MEDIDAS DAS CABECEIRAS NO LOCAL

* DIVERGÊNCIAS ENTRE ESCALA E COTA PREVALECEM AS COTAS



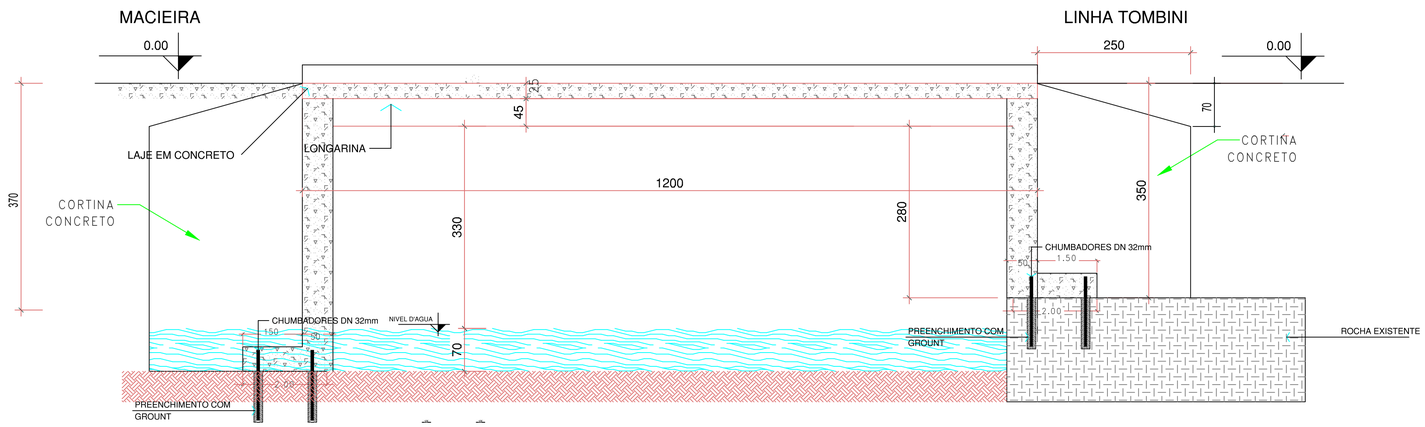
CORTE TRANSVERSAL B-B

ESC.....1:50



DETALHE CORTINA DE CABECEIRAS

ESC.....1:50



CORTE LONGITUDINAL A-A

Carimbos

Quadro Técnico

Ronaldo Regalin	CREA/SC 036.714-0	Eng. Civil	Responsável Técnico
Bruno Regalin	CREA/SC 164.059-2	Eng. Civil	Responsável Técnico
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BRUNO REGALIN:10127820930

Assinado de forma digital por BRUNO REGALIN:10127820930
Dados: 2026.04.29 11:06:12 -03'00'

Bruno Regalin
Eng. Civil
CREA/SC 164.059-2

Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Proprietário

CIVILTEC
Soluções em Projeto de Infraestrutura
CIVILTEC ENGENHARIA LTDA

PROJETO CABECEIRAS DE PONTE
LINHA TOMBINI

Proprietario: Município de Macieira
CPF/CNPJ: 95.992.020/0001-00

Conteúdo: Planta Baixa - Corte Longitudinal Corte Transversal - Localização - Detalhes Construtivos

Endereço da obra: Linha Tombini, Macieira/SC

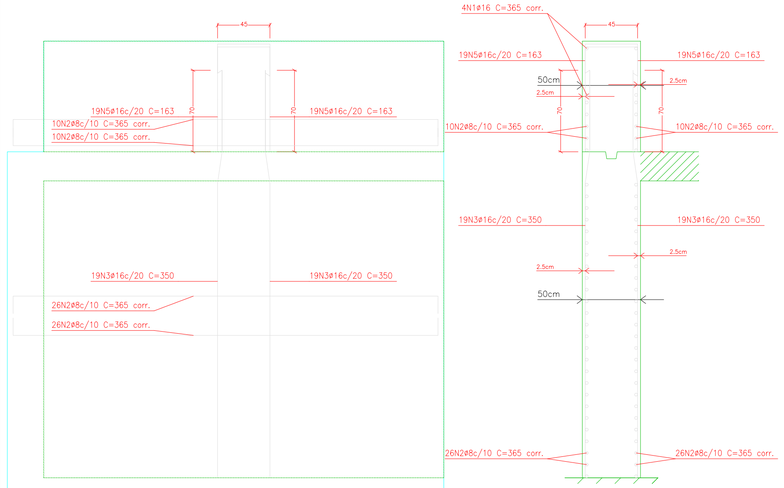
Data: 28/04/2026

Escala: Indicada

Prancha: 001

PJ260326_03 - PONTE TOMBINI_R01.dwg

R01



P(4) Cortina/Alv. C24 Piso 2
Transversais:
- Num. Ramos: 1
- Diâmetro: ø6.3
- Esp. Vertical: 20 cm
- Esp. Horizontal: 20 cm

P(4) Cortina/Alv. C24 Piso 1
Transversais:
- Num. Ramos: 1
- Diâmetro: ø6.3
- Esp. Vertical: 20 cm
- Esp. Horizontal: 20 cm

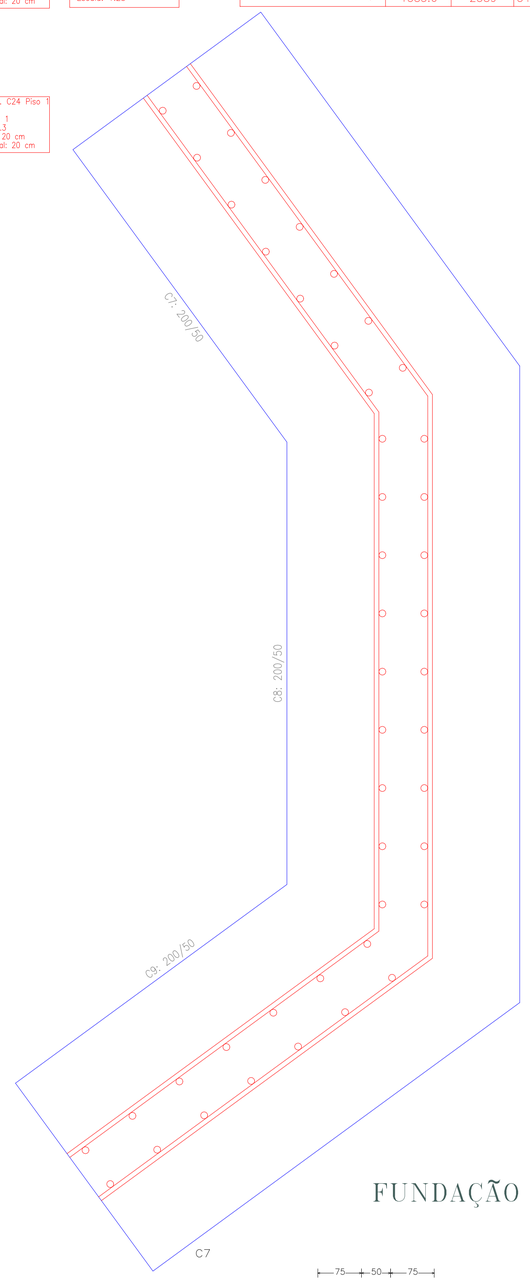
Fundação
Fundação
Concreto: C20, em geral
Escala: 1:25

Resumo Aço Muros de concreto armado		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	1160.3	316	
	ø8	1790.4	773	
	ø16	1383.6	2389	3478

Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø10	310.2	214	
	ø12.5	191.9	207	
	ø16	184.3	318	739

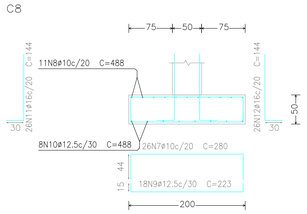
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
C24	1	ø16	4		VAR.		VAR.	1460	22.9	
	2	ø8	72		VAR.		VAR.	26280	103.1	
	3	ø16	38		350		350	13300	208.8	
	4	ø6.3	342		51		51	17442	43.1	
	5	ø16	38	70	93		163	6194	97.2	
							Total+10%		522.6	
C25	6	ø16	4		VAR.		VAR.	1364	21.4	
	7	ø8	72		VAR.		VAR.	24552	96.4	
	8	ø16	34		350		350	11900	186.8	
	9	ø6.3	306		51		51	15606	38.6	
	10	ø16	34	70	93		163	5542	87.0	
							Total+10%		473.2	
								ø6.3:	89.8	0.0
								ø8:	219.5	0.0
								ø16:	686.5	0.0
								Total:	995.8	0.0

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
C7	1	ø10	18	44	192	44	280	5040	31.7	
	2	ø10	11		338		338	3718	23.3	
	3	ø12.5	13		194		194	2522	24.7	
	4	ø12.5	8		338		338	2704	26.5	
	5	ø16	18		114	30	144	2592	40.7	
	6	ø16	18		114	30	144	2592	40.7	
							Total+10%		206.4	
C8	7	ø10	26	44	192	44	280	7280	45.7	
	8	ø10	11		488		488	5368	33.7	
	9	ø12.5	18	15	193	15	223	4014	39.4	
	10	ø12.5	8		488		488	3904	38.3	
	11	ø16	26		114	30	144	3744	58.8	
	12	ø16	26		114	30	144	3744	58.8	
							Total+10%		302.2	
C9	13	ø10	20	44	192	44	280	5600	35.2	
	14	ø10	11		365		365	4015	25.2	
	15	ø12.5	14	15	193	15	223	3122	30.6	
	16	ø12.5	8		365		365	2920	28.7	
	17	ø16	20		114	30	144	2880	45.2	
	18	ø16	20		114	30	144	2880	45.2	
							Total+10%		231.1	
								ø6.3:	0.0	0.0
								ø8:	0.0	0.0
								ø10:	214.2	0.0
								ø12.5:	207.1	0.0
								ø16:	318.4	0.0
								Total:	739.7	0.0

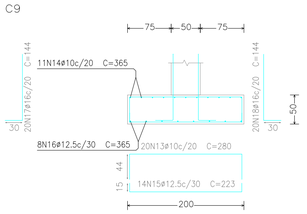


FUNDAÇÃO E CORTINA

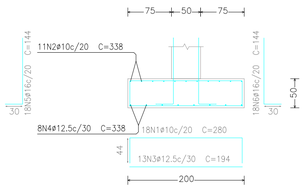
C8



C9



C7



Carimbos

Quadro Técnico

Ronaldo Regalin	CREA/SC 036.714-0	Eng. Civil	Responsável Técnico
Bruno Regalin	CREA/SC 164.059-2	Eng. Civil	Responsável Técnico
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Bruno Regalin
Eng. Civil
CREA/SC 164.059-2

Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Proprietário

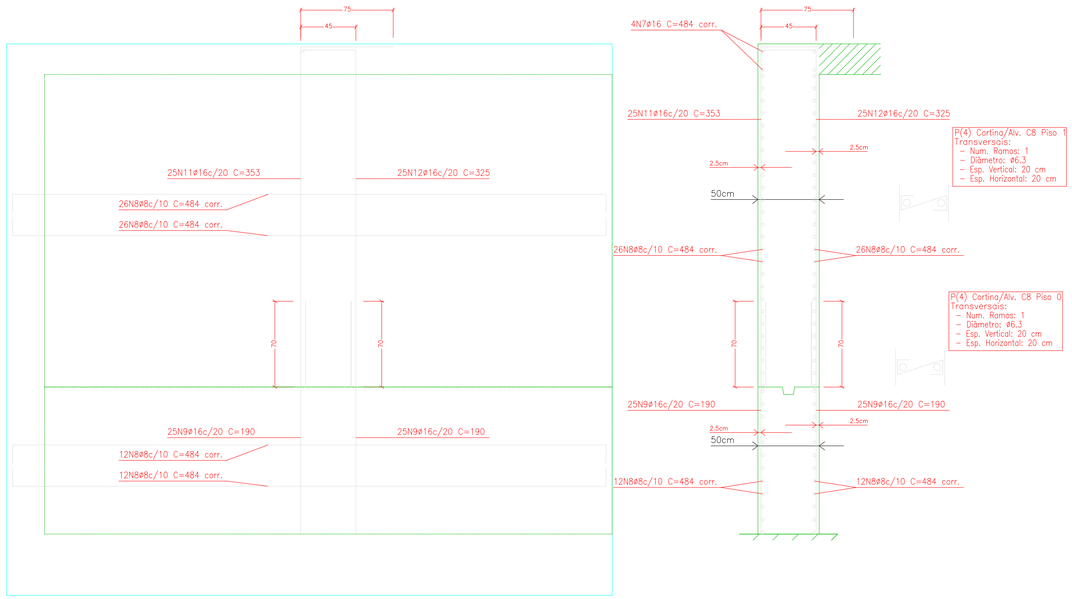
CIVILTEC
Soluções em Projeto de Infraestrutura
CIVILTEC ENGENHARIA LTDA

PROJETO CABECEIRAS DE PONTE
LINHA TOMBINI

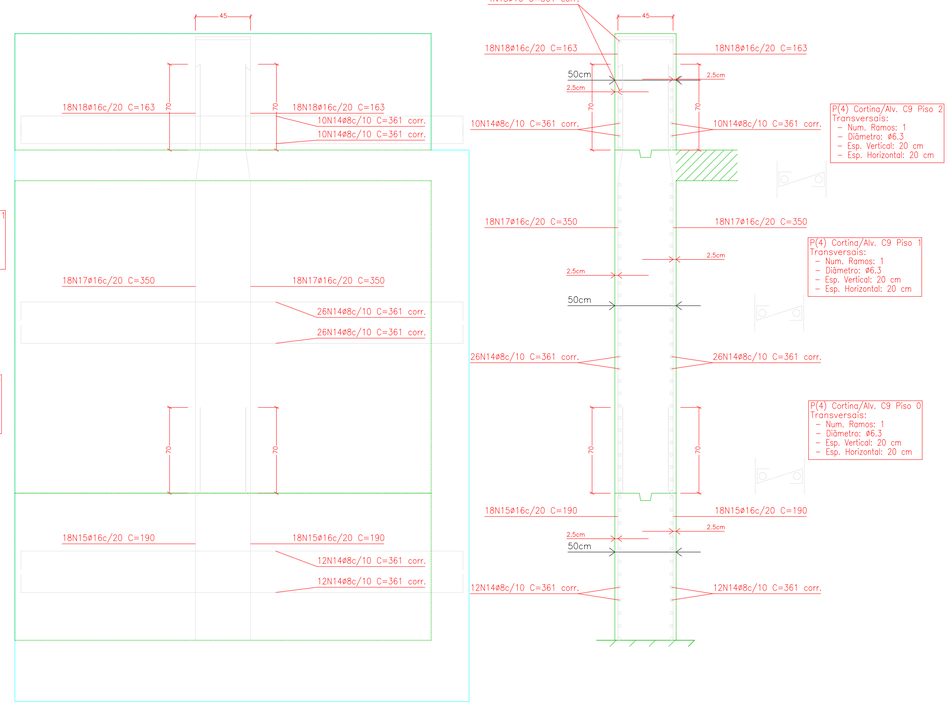
Proprietario: Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Conteúdo: Projeto de Contenções
Endereço da obra: Linha Tombini, Macieira/SC
Data: 28/04/2026
Escala: Indicada
Prancha: 002

PJ260326_03 - PONTE TOMBINI_R01.dwg

R01

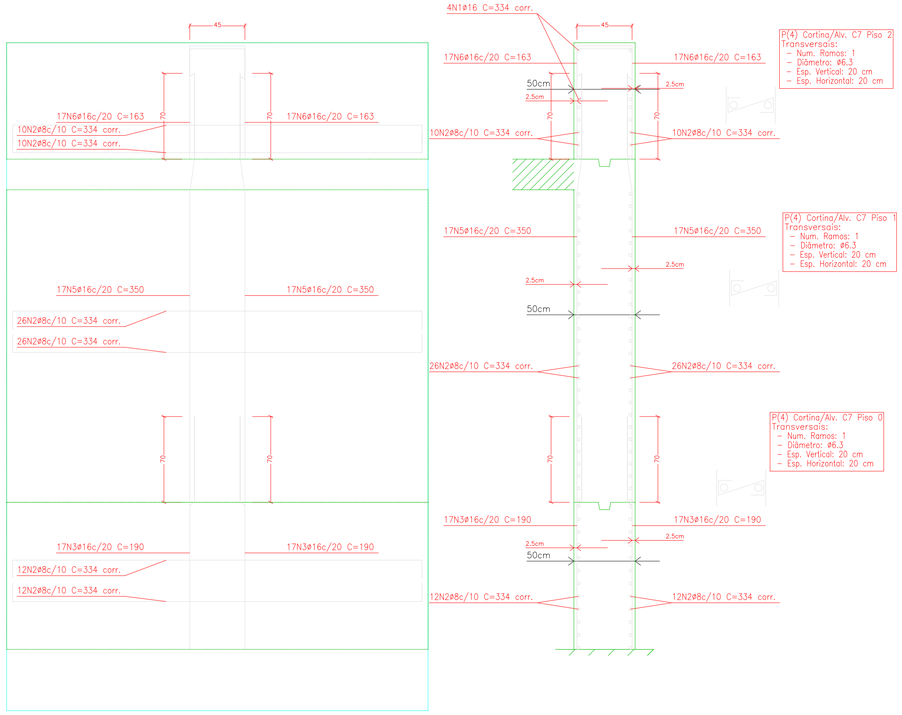


C8: Pisos 1 a 2

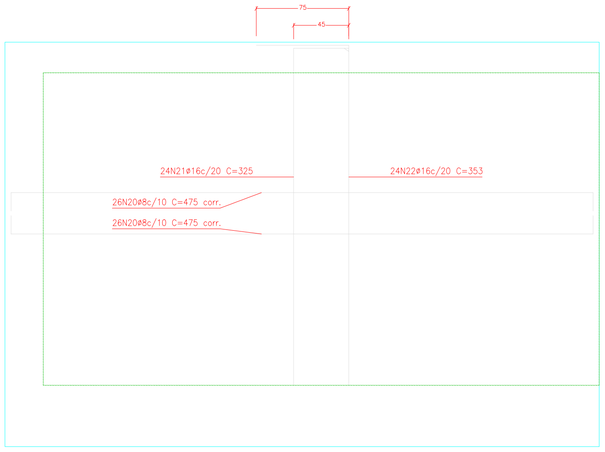


C9: Pisos 1 a 3

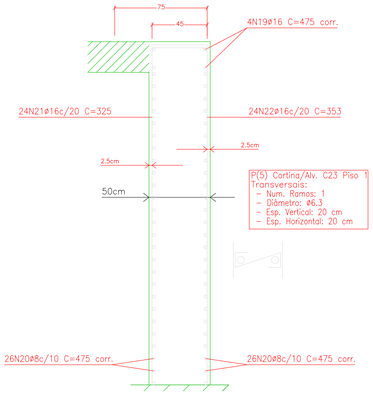
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
C7	1	ø16	4		VAR.		VAR.	1336	21.0	
	2	ø8	96		VAR.		VAR.	32064	125.9	
	3	ø16	34		190		190	6460	101.4	
	4	ø6.3	408		51		51	20808	51.5	
	5	ø16	34		350		350	11900	186.8	
	6	ø16	34	70	93		163	5542	87.0	
								Total+10%:	631.0	
C8	7	ø16	4		VAR.		VAR.	1936	30.4	
	8	ø8	76		VAR.		VAR.	36784	144.4	
	9	ø16	50		190		190	9500	149.2	
	10	ø6.3	475		51		51	24225	59.9	
	11	ø16	25	75	278		353	8825	138.6	
	12	ø16	25	48	278		326	8150	128.0	
								Total+10%:	715.6	
C9	13	ø16	4		VAR.		VAR.	1444	22.7	
	14	ø8	96		VAR.		VAR.	34656	136.0	
	15	ø16	36		190		190	6840	107.4	
	16	ø6.3	432		51		51	22032	54.5	
	17	ø16	36		350		350	12600	197.8	
	18	ø16	36	70	93		163	5868	92.1	
								Total+10%:	671.6	
C23	19	ø16	4		VAR.		VAR.	1900	29.8	
	20	ø8	52		VAR.		VAR.	24700	96.9	
	21	ø16	24	48	278		326	7824	122.8	
	22	ø16	24	75	278		353	8472	133.0	
	23	ø6.3	312		51		51	15912	39.3	
								Total+10%:	464.0	
								ø6.3:	225.8	0.0
								ø8:	553.6	0.0
								ø16:	1702.8	0.0
								Total:	2482.2	0.0



C7: Pisos 1 a 3



C23: Planta 2



Carimbos

Quadro Técnico

Ronaldo Regalin	CREA/SC 036.714-0	Eng. Civil	Responsável Técnico
Bruno Regalin	CREA/SC 164.059-2	Eng. Civil	Responsável Técnico
----	-----	------	-----

Bruno Regalin
Eng. Civil
CREA/SC 164.059-2

Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Proprietário

CIVILTEC
Soluções em Projeto de Infraestrutura
CIVILTEC ENGENHARIA LTDA

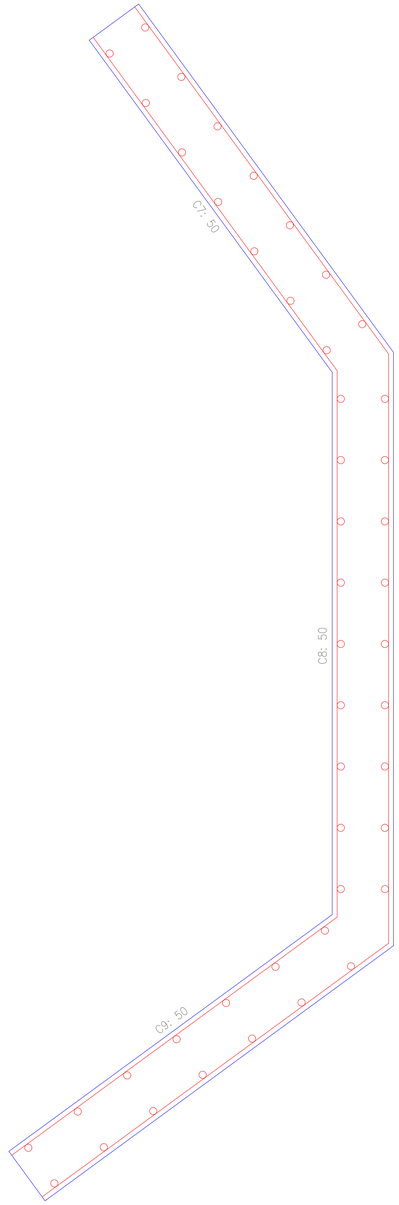
PROJETO CABECEIRAS DE PONTE
LINHA TOMBINI

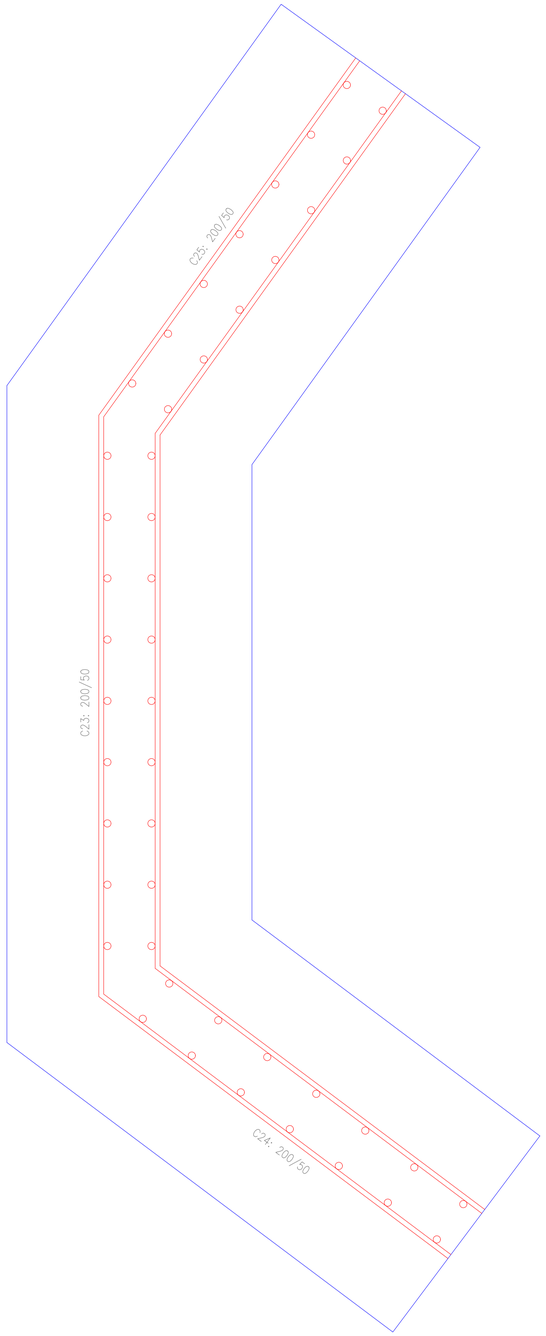
Proprietario: Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Conteúdo: Projeto de Contenções
Endereço da obra: Linha Tombini, Macieira/SC
Data: 28/04/2026
Escala: Indicada
Prancha: 003

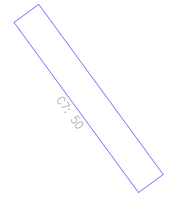
PJ260326_03 - PONTE TOMBINI_R01.dwg

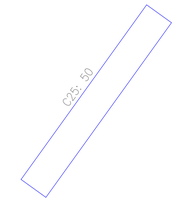
R01

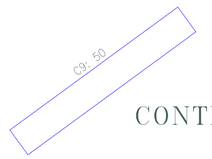
Piso 1
Detalhamento fundação
Concreto: C20, em geral
Escala: 1:25













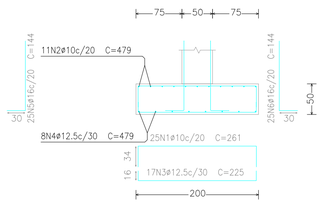
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
C23	1	ø10	25	34	193	34	261	6525	41.0	
	2	ø10	11		479		479	5269	33.1	
	3	ø12.5	17	16	193	16	225	3825	37.5	
	4	ø12.5	8		479		479	3832	37.6	
	5	ø16	25		114	30	144	3600	56.5	
	6	ø16	25		114	30	144	3600	56.5	
								Total+10%:	288.4	
C24	7	ø10	20	44	192	44	280	5600	35.2	
	8	ø10	11		369		369	4059	25.5	
	9	ø12.5	14	16	193	16	225	3150	30.9	
	10	ø12.5	8		369		369	2952	29.0	
	11	ø16	20		114	30	144	2880	45.2	
	12	ø16	20		114	30	144	2880	45.2	
								Total+10%:	232.1	
C25	13	ø10	19	44	192	44	280	5320	33.4	
	14	ø10	11		345		345	3795	23.8	
	15	ø12.5	13	16	193	16	225	2925	28.7	
	16	ø12.5	8		345		345	2760	27.1	
	17	ø16	19		114	30	144	2736	43.0	
	18	ø16	19		114	30	144	2736	43.0	
								Total+10%:	218.9	
								ø10:	211.2	0.0
								ø12.5:	209.9	0.0
								ø16:	318.3	0.0
								Total:	739.4	0.0

FUNDAÇÃO E CORTINA

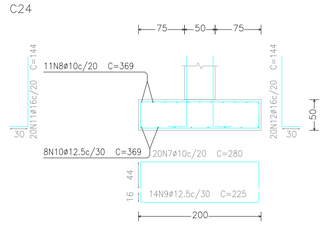
CONTENÇOES SUPERIOR

Resumo Aço Piso 1 Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø10	305.7	211	
	ø12.5	194.4	210	
	ø16	184.3	318	739

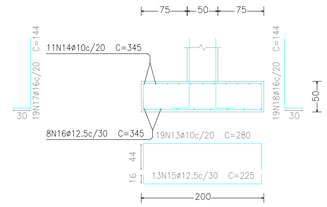
C23



C24



C25



Carimbos

Quadro Técnico

Ronaldo Regalin	CREA/SC 036.714-0	Eng. Civil	Responsável Técnico
Bruno Regalin	CREA/SC 164.059-2	Eng. Civil	Responsável Técnico
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Bruno Regalin
Eng. Civil
CREA/SC 164.059-2

Município de Macieira
CPF/CNPJ: 95.992.020/0001-00
Proprietário

CIVILTEC
Soluções em Projeto de Infraestrutura
CIVILTEC ENGENHARIA LTDA

PROJETO CABECEIRAS DE PONTE
LINHA TOMBINI

Proprietario: Município de Macieira
CPF/CNPJ: 95.992.020/0001-00

Conteúdo: Projeto de Contenções

Endereço da obra: Linha Tombini, Macieira/SC

Data: 28/04/2026

Escala: Indicada

Prancha: 004

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R01