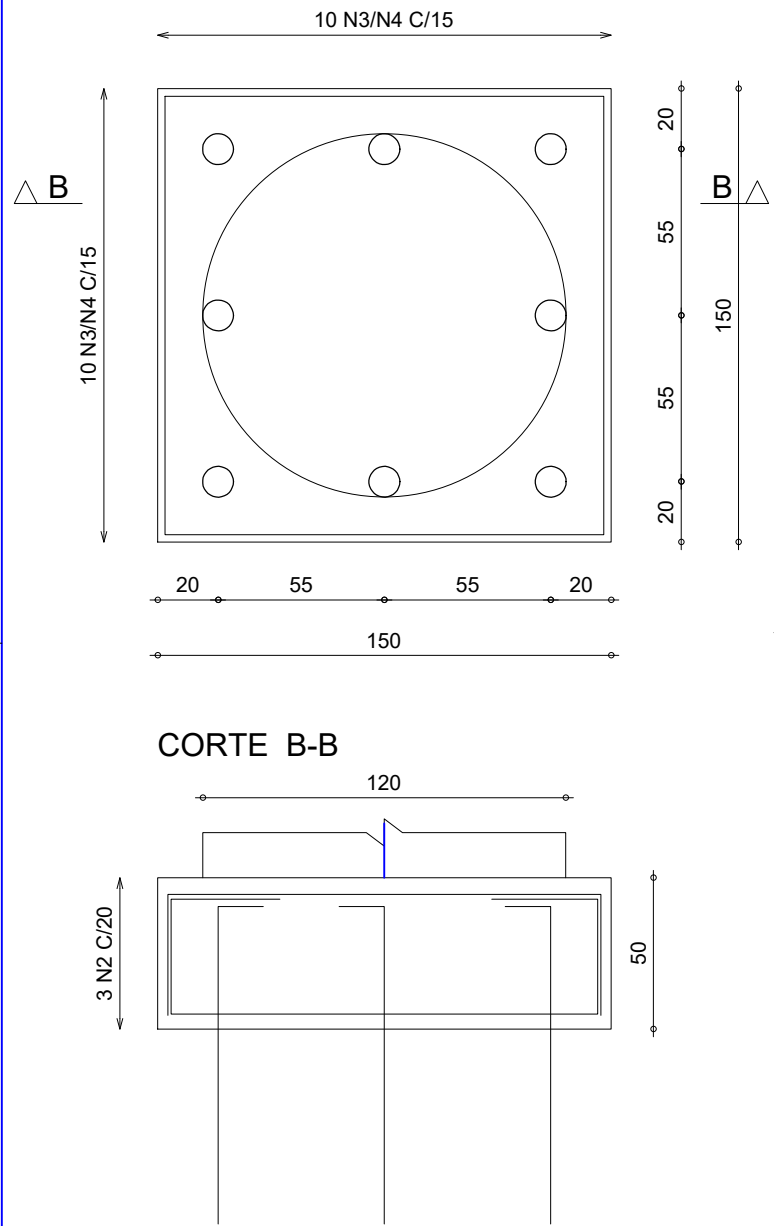


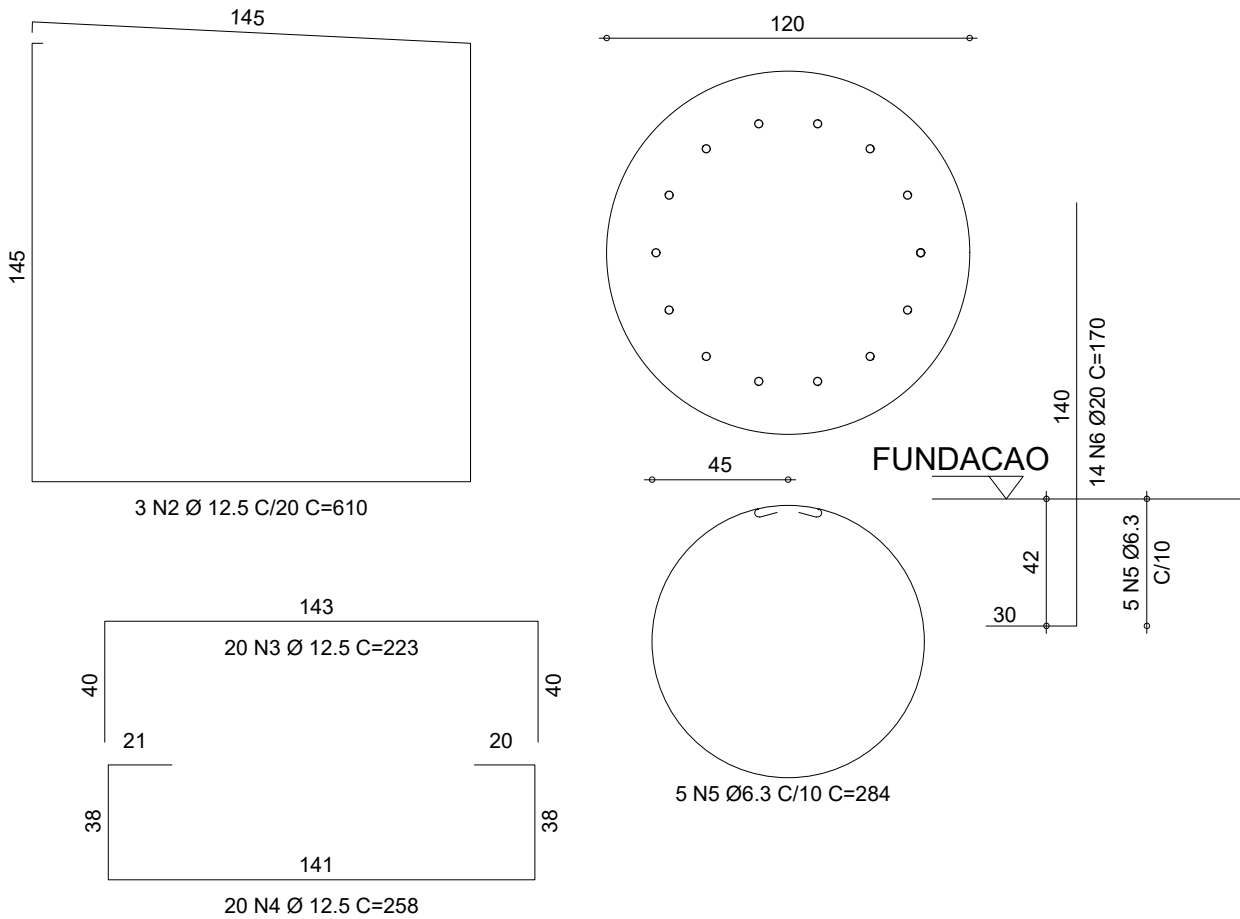
B1=B2 (6x)
(ESCALA 1:25)

PLANTA

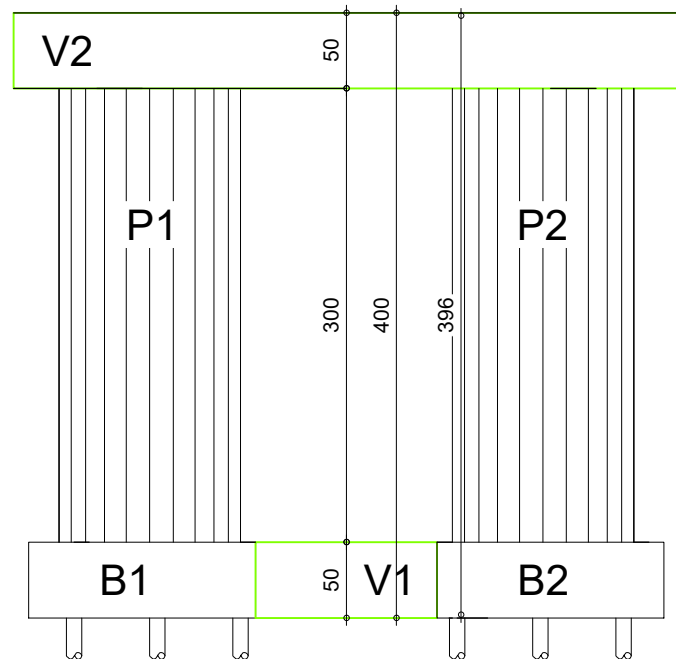


- 1- Executar concreto magro
- 2- Após execução do furo
- 3- Furo de 2" (40mm)
- 4- Preencher furo com graute com uso de tubo tremonha
- 5- Posicionar armadura e aguardar cura do graute

Arranques P1=P2=P3=P4



Corte esquemático - Pilares
(ESCALA 1:50)



VOLUMETRIA DE CONCRETO		
TAB.	VOLUME (m³)	Fck (MPa)
B1=B2	1,50 x 1,50 x 0,50 x 6 = 6,75	30
VOLUME TOTAL = 6,75 m³		

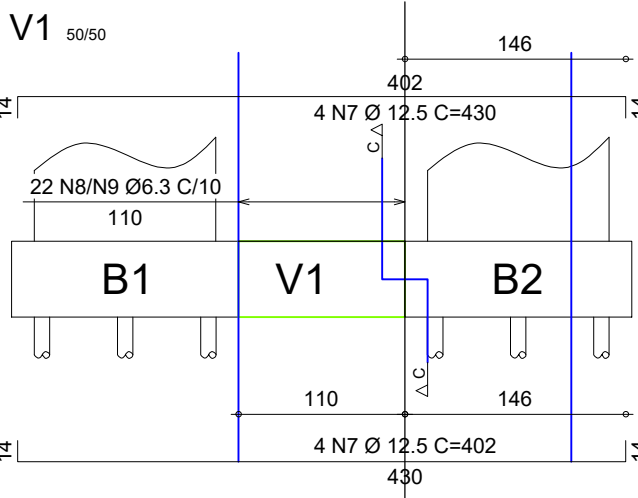
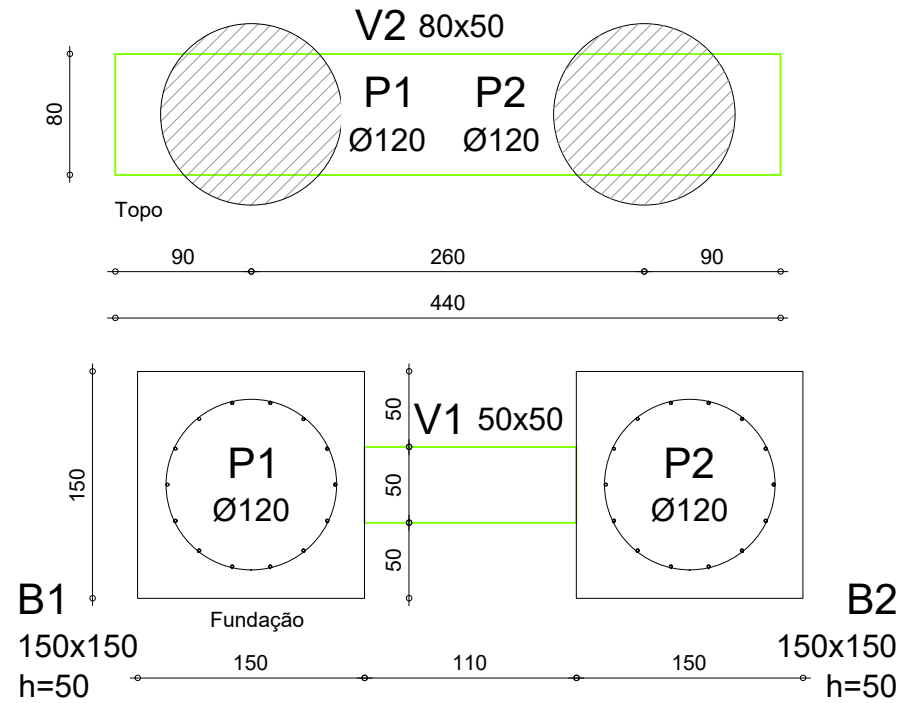
POS	BIT (mm)	QUANT	COMPRIMENTO	
			UNIT (cm)	TOTAL (cm)
Blocos B1=B2				
1	25	48	300	14.400
2	12.5	18	610	10.980
3	12.5	120	223	26.760
4	12.5	120	258	30.960
5	6.3	30	284	8.520
6	20	84	170	14.280
BIT (mm)	COMPR (m)	PESO (kgf)		
6.3	86	22		
12.5	687	662		
20	143	353		
25	144	555		
Peso Total	50	=	1592 kgf	

	FURO	PARAF.
⊗	Ø11	Ø3/8"
●	Ø16	Ø1/2"
⊙	Ø20	Ø5/8"
⊕	Ø24	Ø3/4"
⊗	Ø26	Ø7/8"
⊙	Ø30	Ø1"
⊕	Ø36	Ø1.1/4"
⊗	Ø44	Ø1.1/2"

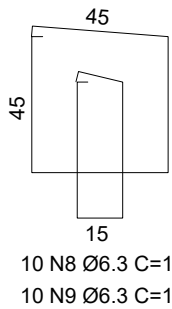
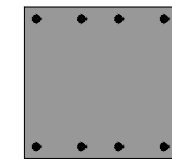
VOLUMETRIA DE CONCRETO		
TAB.	VOLUME (m³)	Fck (MPa)
P1=P2	Pl x 0,6² x 3 x 6 = 20,36	30
VOLUME TOTAL = 20,36 m³		

POS	BIT (mm)	QUANT	COMPRIMENTO	
			UNIT (cm)	TOTAL (cm)
Pilar P1=P2				
5	6.3	99	284	28.116
14	20	42	396	16.632
BIT (mm)	COMPR (m)	PESO (kgf)		
6.3	282	70		
12.5	167	412		
Peso Total	50	=	482 kgf	

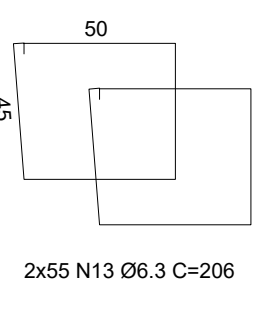
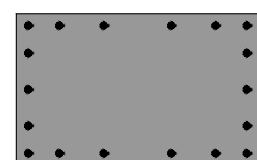
Geometria TOPO e FUNDAÇÃO P1 e P2
(ESCALA 1:50)



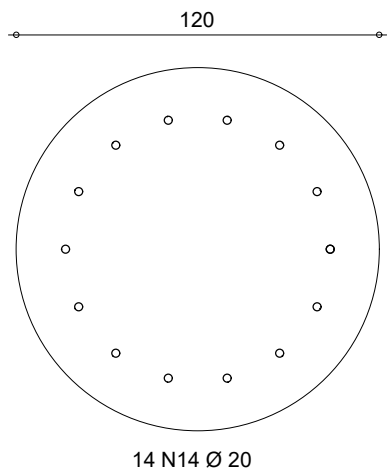
Corte C



Corte D



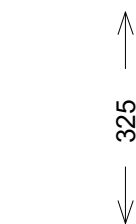
P3=P4



33 N5 Ø6.3 C/10 C=284

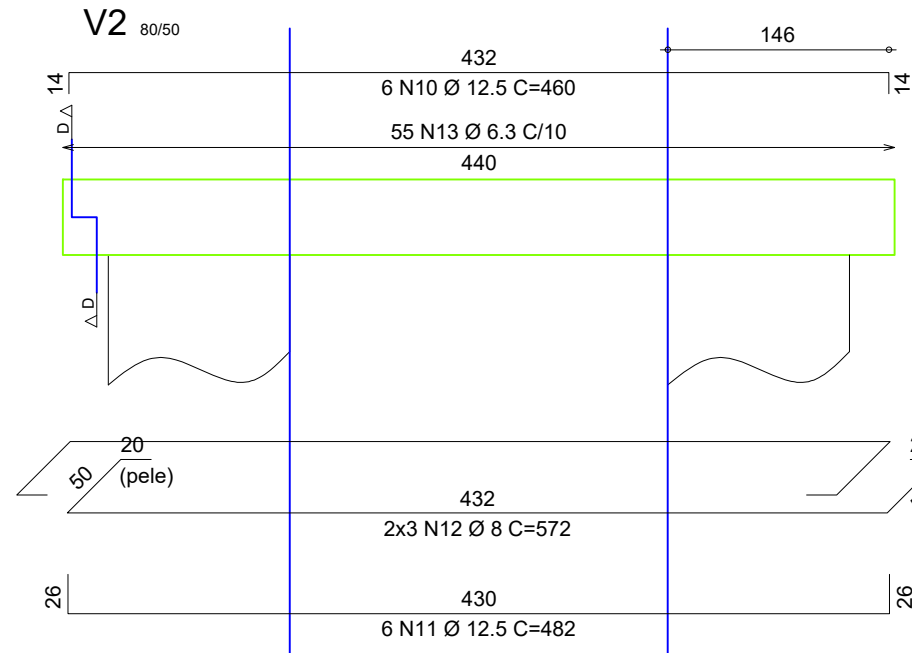
TOPO

Fundo da Viga



FUNDAÇÃO

fck:30MPa/cob:2.5cm



VOLUMETRIA DE CONCRETO		
TAB.	VOLUME (m³)	Fck (MPa)
V1	0,50 x 1,20 x 0,50 x 3 = 1,00	30
V2	4,40 x 0,80 x 0,50 x 3 = 5,30	30
VOLUME TOTAL = 8,25 m³		

POS	BIT (mm)	QUANT	COMPRIMENTO	
			UNIT (cm)	TOTAL (cm)
Viga V1				
7	12.5	24	430	10.320
8	6.3	66	196	12.936
9	6.3	90	136	12.240
BIT (mm)	COMPR (m)	PESO (kgf)		
6.3	252	62		
12.5	103.20	100		
Peso Total	50	=	162 kgf	

POS	BIT (mm)	QUANT	COMPRIMENTO	
			UNIT (cm)	TOTAL (cm)
Viga V2				
10	12.5	18	460	8.280
11	12.5	18	482	8.676
12	8	18	572	10.296
13	6.3	330	206	67.980
BIT (mm)	COMPR (m)	PESO (kgf)		
6.3	680	167		
8	103	41		
12.5	170	163		
Peso Total	50	=	371 kgf	

Obra:		 ARQUIVO
RECONSTRUÇÃO DA PONTE SOBRE O ARROIO VICENTE ROSA - ZONA PICOLLI		
Proprietário:		
Prefeitura Municipal de Cotiporã CNPJ: 90.898.487/0001-64		
Responsável Técnico:		DATA Fevereiro/2025
Eng. Civil Jeferson Restelli Frizon CREA RS254394		DESENHO
Prancha:		ESCALA INDICADA
Detalhamento dos Pilares e Vigas concreto	Local: Zona Picolli	PRANCHA 03