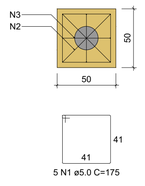
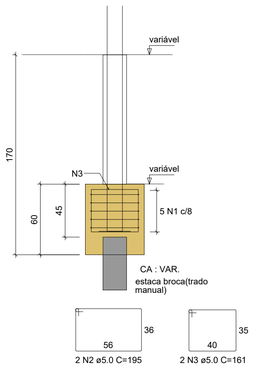
B5
1ø20

PLANTA
ESC 1:25



CORTE
ESC 1:25



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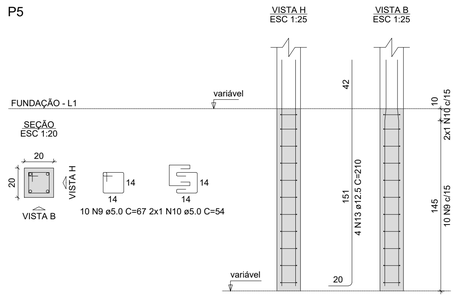
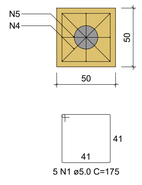
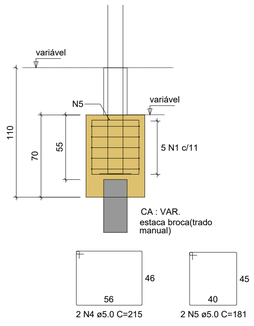


B19
1ø20

PLANTA
ESC 1:25



CORTE
ESC 1:25



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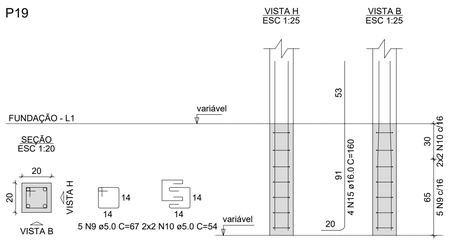
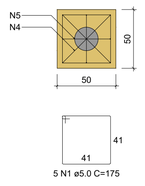


B20
1ø20

PLANTA
ESC 1:25



CORTE
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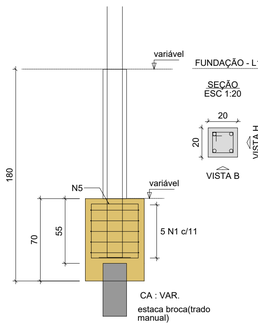

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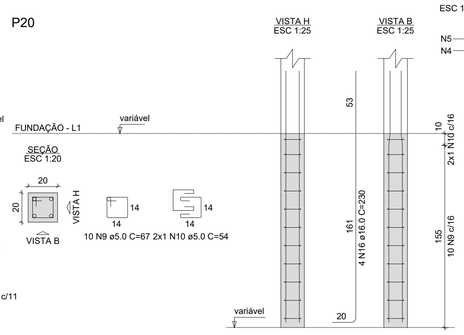
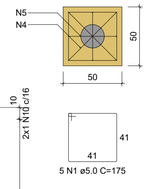
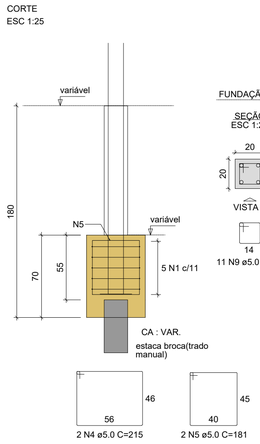


B26
1ø20

PLANTA
ESC 1:25



CORTE
ESC 1:25



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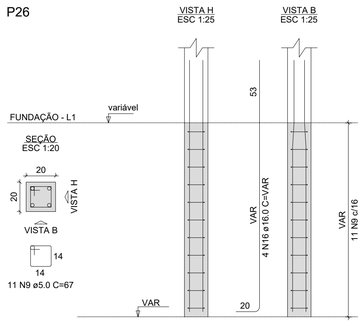
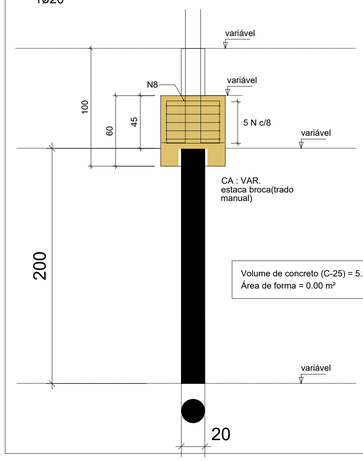


DETALHE TÍPICO -ESTACA BROCA

ESC 1:25

E1=E2=E3=E4=E5=E15=E16=E17=E18=E19=E20=E26
E27=E28=E31=E32=E36=E37=E38=E39=E40
1ø20



DETALHE TÍPICO -ESTACA BROCA

ESC 1:25

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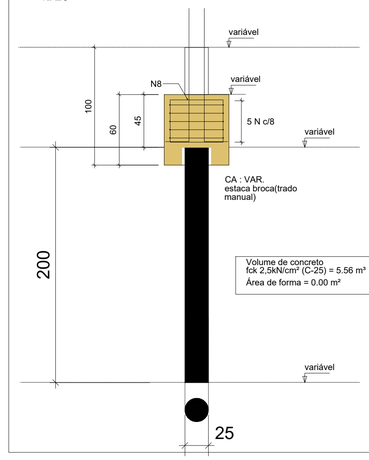
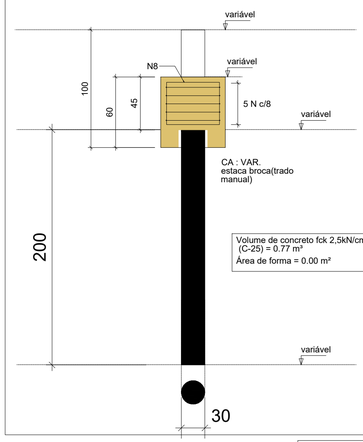
=E21=E22=E29=E30=E33=E34=E35
1ø25



DETALHE TÍPICO -ESTACA BROCA

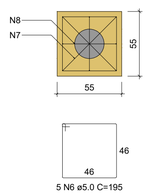
ESC 1:25

T24-25
1ø30

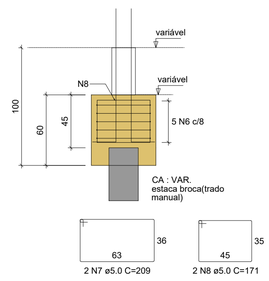


B21=B22
1ø25

PLANTA
ESC 1:25



CORTE
ESC 1:25



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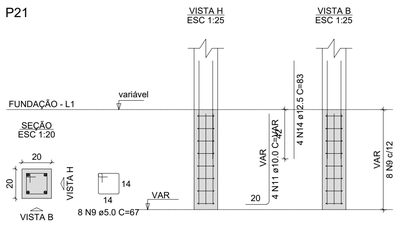

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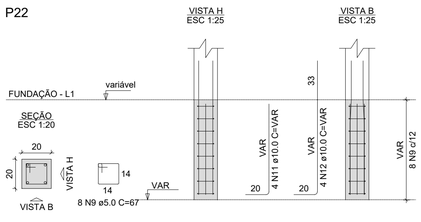
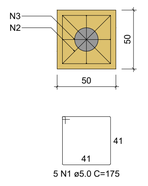
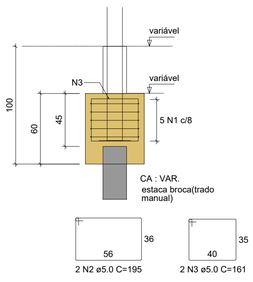


B23
1ø20

PLANTA
ESC 1:25



CORTE
ESC 1:25



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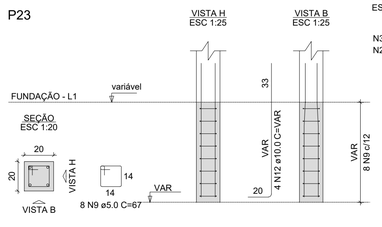
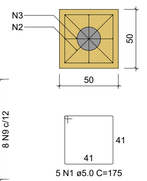


B27
1ø20

PLANTA
ESC 1:25



CORTE
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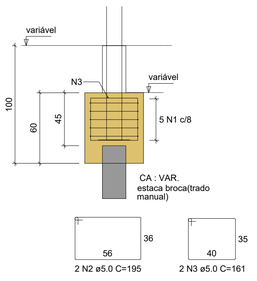

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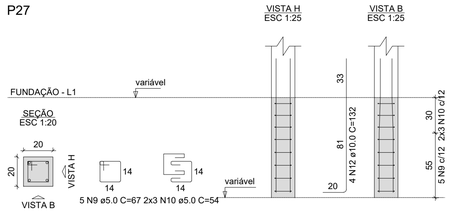

RELAÇÃO DO AÇO

B5	B19	B20
2xB22	B23	B26
B27	P5	P19
P20	P21	P22
P23	P26	P27

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	30	175	5250
	2	5.0	6	195	1170
	3	5.0	6	161	966
	4	5.0	6	215	1290
	5	5.0	6	181	1086
	6	5.0	10	195	1950
	7	5.0	4	209	836
	8	5.0	4	171	684
	9	5.0	65	67	4355
	10	5.0	14	54	756
CA50	11	10.0	12	VAR	VAR
	12	10.0	12	VAR	VAR
	13	12.5	4	210	840
	14	12.5	4	83	332
	15	16.0	4	160	640
	16	16.0	8	230	1840

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	27.2	18.5
	12.5	11.7	12.4
	16.0	24.8	43.1
CA60	5.0	183.4	31.1
PESO TOTAL (kg)			
CA50	74		
CA60	31.1		

Volume de concreto Fck 3,0kN/cm² (C-30) = 1.51 m³
Área de forma = 14.68 m²

REVISÃO	DATA	DESCRIÇÃO	RESP.
06	21/11/22	PROJETO EXECUTIVO	ATACIZIO
05	03/11/22	EMISSÃO INICIAL	ATACIZIO

EMPRESA
MARKA ARQUITETURA E ENGENHARIA LTDA
RUA PROFESSOR ABEYLARD, 279, SALA 9
CENTRO, SETE LAGOAS/MG
apoio@markaprojetos.com.br
(31) 3177-4235
www.markaprojetos.com.br

ESPECIALIDADE: ESTRUTURAL
FASE DO PROJETO: EXECUTIVO

EMPREENDIMENTO – OBRA
ESCOLA MUNICIPAL BELVEDERDE
RUA JOSÉ COELHO, RUA CANADÁ E RUA SÉRGIO JACOWLEVSKI
B. SIDERÚRGICO – CONSELHEIRO LAFAIETE/MG

RESPONSÁVEL PROJETO: JOSÉ ATACÍZIO DA FÉ
ENG.CIVIL CREA/MG 87.669/D
COORDENADOR PROJETO: KARINE NARDY
PROJETISTA: JOSÉ ATACÍZIO DA FÉ

ASSUNTO
PROJETO DE ESTRUTURAS DE CONCRETO
PLANTA DE LOCAÇÃO – MURO DE DIVISA 01

ESCALA: INDICADA
Nº FOLHA: 04
DATA: 21/11/2022
ARQUIVO: 004-EST-MURO DE DIVISA-BELVEDERE-R06

FORMATO A1 - PADRÃO ABNT - (841 x 594mm)