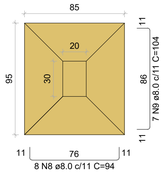
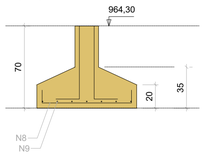
S29

PLANTA
ESC 1:25

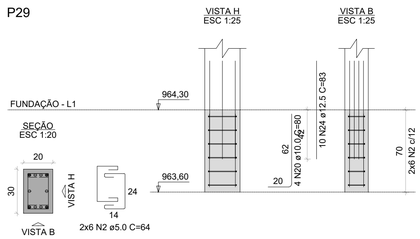


CORTE
ESC 1:25



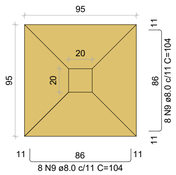
Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P29

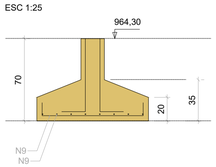


S39=S53=S54=S61

PLANTA
ESC 1:25

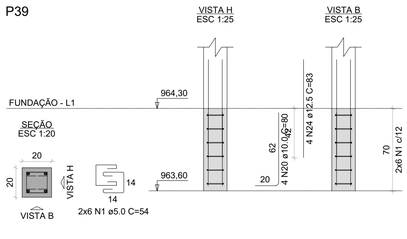


CORTE
ESC 1:25

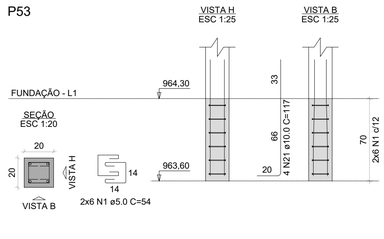


Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

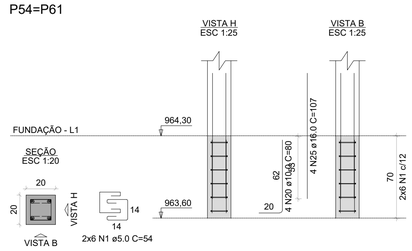
P39



P53

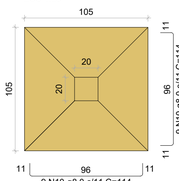


P54=P61

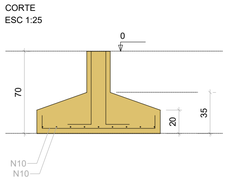


S40

PLANTA
ESC 1:25

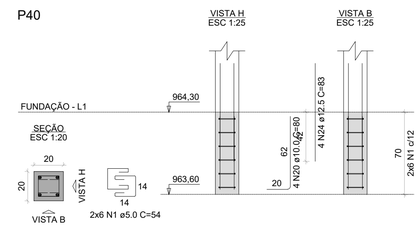


CORTE
ESC 1:25



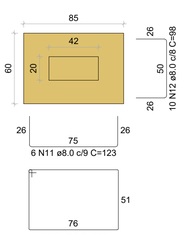
Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P40

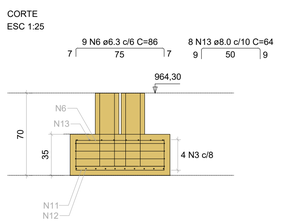


S5-6

PLANTA
ESC 1:25

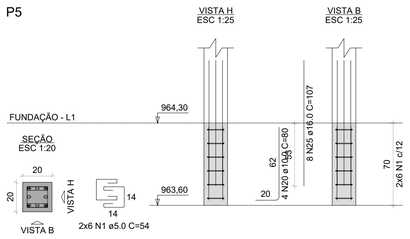


CORTE
ESC 1:25

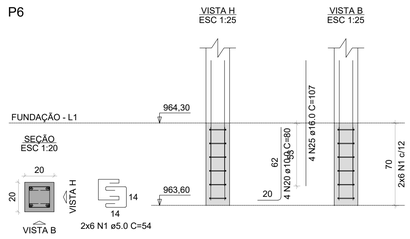


Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P5

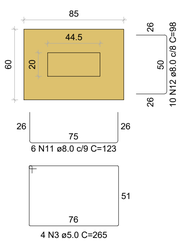


P6

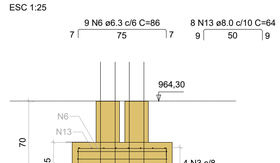


S30-31

PLANTA
ESC 1:25

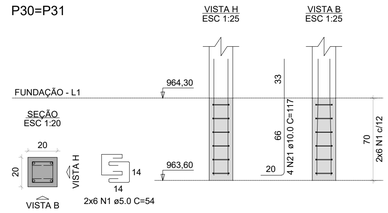


CORTE
ESC 1:25



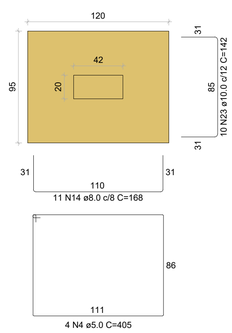
Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P30=P31

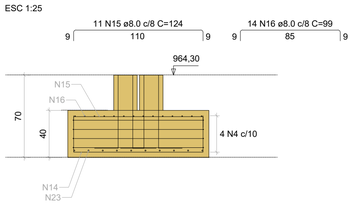


S23-24

PLANTA
ESC 1:25

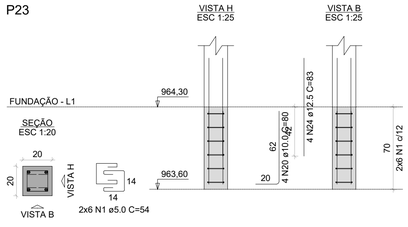


CORTE
ESC 1:25

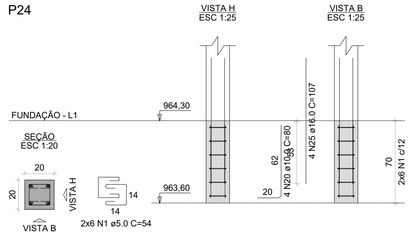


Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P23

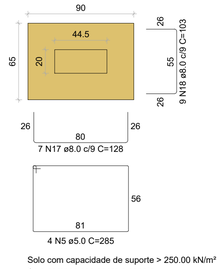


P24

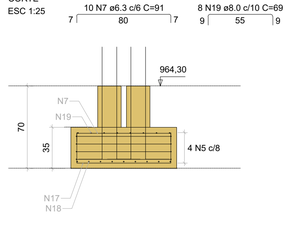


S35-36

PLANTA
ESC 1:25

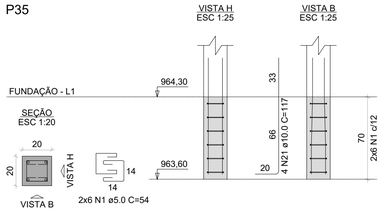


CORTE
ESC 1:25

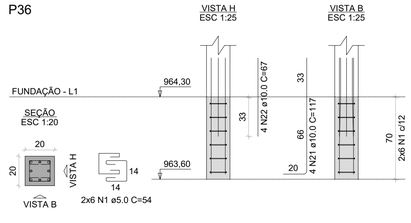


Solo com capacidade de suporte > 250.00 kN/m²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P35



P36



RELAÇÃO DO AÇO

P5	P6	P23
P24	P29	2xP30
P35	P36	P39
P40	P53	3xP54
S29	S40	5xS54
S5-6	S23-24	S30-31
S35-36		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	168	54	9072
	2	5.0	12	64	768
	3	5.0	8	265	2120
	4	5.0	4	405	1620
	5	5.0	4	285	1140
CA50	6	6.3	18	86	1548
	7	6.3	10	91	910
	8	8.0	8	94	752
	9	8.0	87	104	9048
	10	8.0	18	114	2052
	11	8.0	12	123	1476
	12	8.0	20	98	1960
	13	8.0	16	64	1024
	14	8.0	11	168	1848
	15	8.0	11	124	1364
	16	8.0	14	99	1386
	17	8.0	7	128	896
	18	8.0	9	103	927
	19	8.0	8	69	552
	20	10.0	40	80	3200
	21	10.0	20	117	2340
	22	10.0	4	67	268
	23	10.0	10	142	1420
	24	12.5	22	83	1826
	25	16.0	28	107	2996

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	24.6	6.6
	8.0	232.8	101.1
	10.0	72.3	49
	12.5	18.3	19.3
	16.0	30	52
CA60	5.0	147.2	25

PESO TOTAL (kg)	
CA50	228.1
CA60	25

Volume de concreto fck 3,0kN/cm² (C-30) = 2.92 m³
Área de forma = 14.39 m²

REVISÃO	DATA	DESCRIÇÃO	RESP.
06	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	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 ATACIZIO DA FÉ ENG.CIVIL CREA/MG 87.669/D
COORDENADOR PROJETO: KARINÉ NARDY
PROJETISTA: JOSÉ ATACIZIO DA FÉ

ASSUNTO
PROJETO DE ESTRUTURAS DE CONCRETO
ARMAÇÃO DA FUNDAÇÃO – BLOCO 01

ESCALA: INDICADA
DATA: 21/11/22
ARQUIVO
Nº FOLHA: 03

064-EST-BLOCO 01-BELVEDERE-R06

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