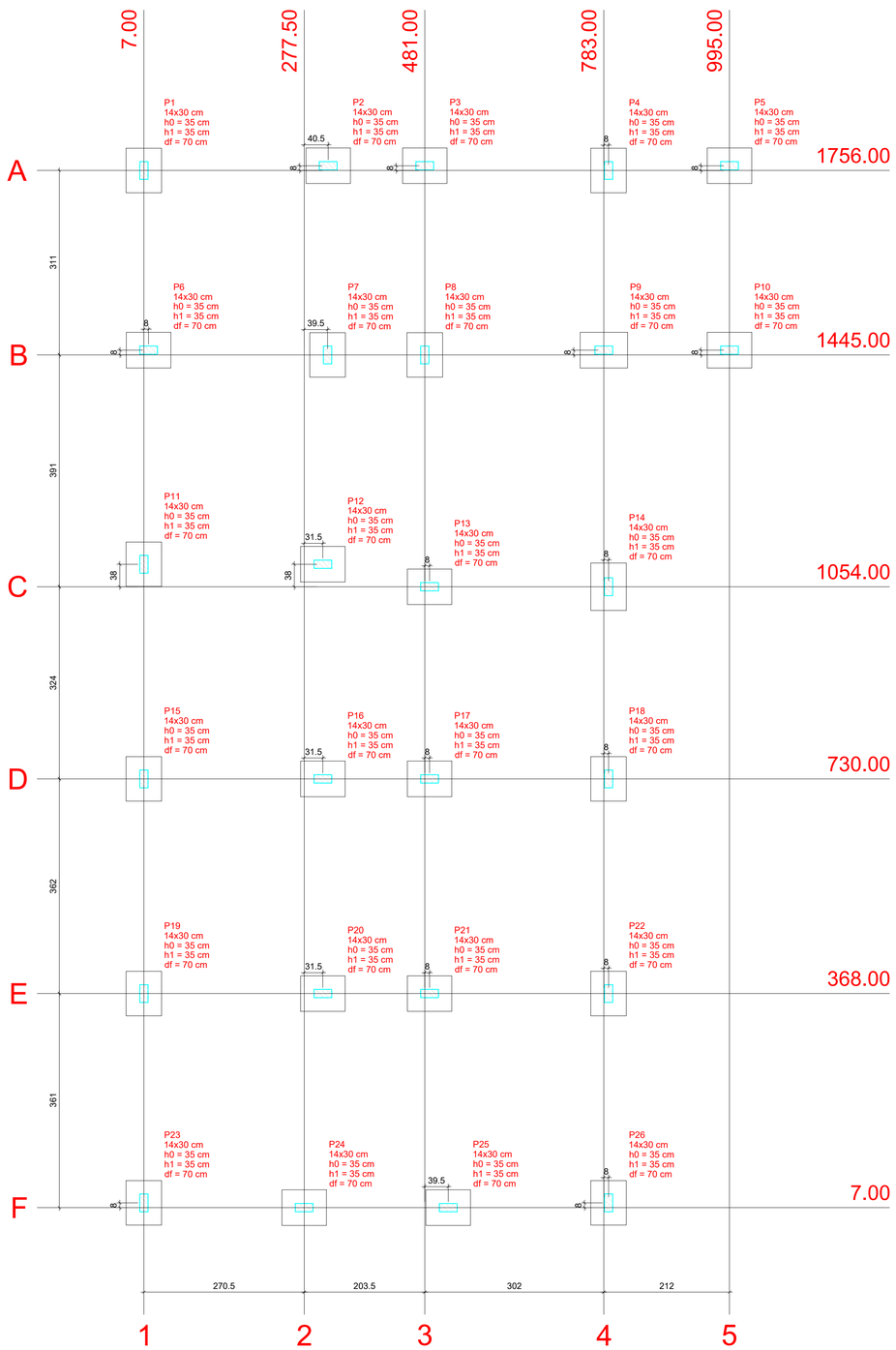
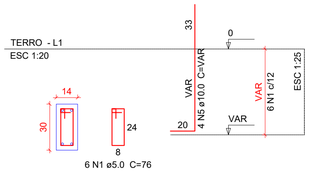


Planta de locação

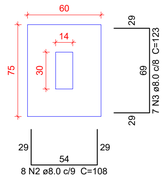
escala 1:50

P1=P2=P3=P4=P5=P6=P7=P8=P10=P11=P12=P13
=P15=P16=P17=P18=P19=P20=P21=P22=P23
=P24=P25=P26

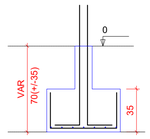


S1=S2=S3=S4=S5=S6=S7=S8=S10=S11=S12=S13
=S15=S16=S17=S18=S19=S20=S21=S22=S23
=S24=S25=S26

PLANTA
ESC 1:25

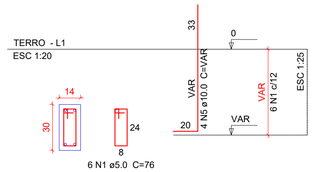


CORTE
ESC 1:25



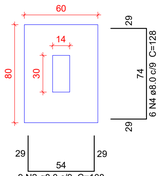
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P9=P14

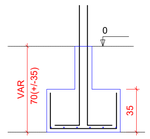


S9=S14

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

Relação do aço

24xS13 2xS14

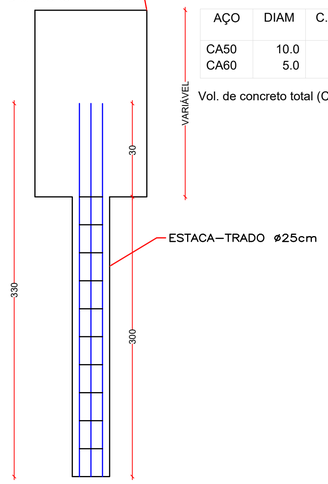
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	156	76	11856
CA50	2	8.0	210	108	22680
	3	8.0	168	123	20664
	4	8.0	12	128	1536
	5	10.0	104	VAR	VAR

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	448.8	194.8
	10.0	125.9	85.3
CA60	5.0	118.6	20.1
PESO TOTAL			
CA50		280.1	
CA60		20.1	

Vol. de concreto total (C-30) = 4.88 m³
Área de forma total = 40.66 m²

BLOCO DE COROAMENTO – DIMENSÃO VARIADA

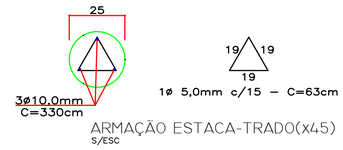


ESTACA-TRADO
S/ESC

Resumo do aço - Trado

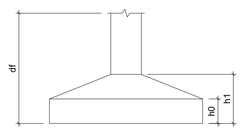
AÇO	DIAM	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	257,4	174,7
CA60	5.0	327,6	55,49

Vol. de concreto total (C-25) =3,53 m³



ARMAÇÃO ESTACA-TRADO(x45)
S/ESC

Pilar											Fundação				
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)		Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P1	14x30	7.00	1756.00	3.4	3.3	100	100	0.5	0.3		60	75	35	35	70
P2	14x30	318.00	1764.00	3.5	3.4	100	200	0.6	0.1		60	75	35	35	70
P3	14x30	481.00	1764.00	3.3	3.2	100	100	0.4	0.2		60	75	35	35	70
P4	14x30	791.00	1756.00	4.3	4.3	100	100	0.2	0.2		60	75	35	35	70
P5	14x30	995.00	1764.00	3.0	2.9	200	100	0.1	0.6		60	75	35	35	70
P6	14x30	15.00	1453.00	5.3	5.2	100	100	0.4	0.2		60	75	35	35	70
P7	14x30	317.00	1445.00	4.6	4.6	100	100	0.4	0.5		60	75	35	35	70
P8	14x30	481.00	1445.00	5.5	5.4	200	100	0.3	1.0		60	75	35	35	70
P9	14x30	783.00	1453.00	7.0	6.9	200	100	0.2	0.6		60	80	35	35	70
P10	14x30	995.00	1453.00	3.1	3.0	200	100	0.2	0.6		60	75	35	35	70
P11	14x30	7.00	1092.00	5.4	5.3	100	200	0.5	0.1		60	75	35	35	70
P12	14x30	309.00	1092.00	4.9	4.8	100	100	0.5	0.1		60	75	35	35	70
P13	14x30	489.00	1054.00	6.4	6.3	100	200	0.5	0.3		60	75	35	35	70
P14	14x30	791.00	1054.00	7.0	6.9	100	200	0.5	0.5		60	80	35	35	70
P15	14x30	7.00	730.00	5.4	5.3	100	200	0.5	0.1		60	75	35	35	70
P16	14x30	309.00	730.00	5.1	5.0	100	100	0.5	0.2		60	75	35	35	70
P17	14x30	489.00	730.00	5.6	5.5	100	200	0.5	0.1		60	75	35	35	70
P18	14x30	791.00	730.00	5.8	5.7	100	200	0.5	0.2		60	75	35	35	70
P19	14x30	7.00	368.00	5.4	5.3	100	100	0.5	0.2		60	75	35	35	70
P20	14x30	309.00	368.00	4.8	4.6	200	200	0.5	0.6		60	75	35	35	70
P21	14x30	489.00	368.00	4.7	4.6	100	200	0.5	0.6		60	75	35	35	70
P22	14x30	791.00	368.00	5.4	5.3	200	100	0.5	0.3		60	75	35	35	70
P23	14x30	7.00	15.00	3.4	3.3	100	100	0.4	0.5		60	75	35	35	70
P24	14x30	277.50	7.00	4.0	3.9	100	100	0.3	0.1		60	75	35	35	70
P25	14x30	520.50	7.00	4.0	3.9	100	100	0.2	0.1		60	75	35	35	70
P26	14x30	791.00	15.00	3.4	3.3	100	100	0.4	0.4		60	75	35	35	70



Locação no eixo X	
Coordenadas (cm)	Nome
7.00	P1, P11, P15, P19, P23
15.00	P6
277.50	P24
309.00	P12, P16, P20
317.00	P7
318.00	P2
481.00	P3, P8
489.00	P13, P17, P21
520.50	P25
783.00	P9
791.00	P4, P14, P18, P22, P26
995.00	P5, P10

Locação no eixo Y	
Coordenadas (cm)	Nome
1764.00	P2, P3, P5
1756.00	P1, P4
1453.00	P6, P9, P10
1445.00	P7, P8
1092.00	P11, P12
1054.00	P13, P14
730.00	P15, P16, P17, P18
368.00	P19, P20, P21, P22
15.00	P23, P26
7.00	P24, P25

AMURES — ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE CERRO NEGRO - SC

03

ASSESSORIA TÉCNICA

PROJETO: JAMES ANDRE CLAUBERG:60441690904 — Assinado de forma digital por JAMES ANDRE CLAUBERG:60441690904 Dados: 2022.06.21 11:43:00 -03'00'

James André Clauberg
Eng. Civil - CREA Nº 45.160-6

PREFEITO:

Ademilson Conrado

OBRA :

CENTRO DE AGRICULTURA

Projeto Estrutural

*Planta de Locação das Sapatas
*Sapatas
*Trado

DESENHO : Jeziel Santos Ribeiro

Escala: Como Indicado

DATA : 06/2022