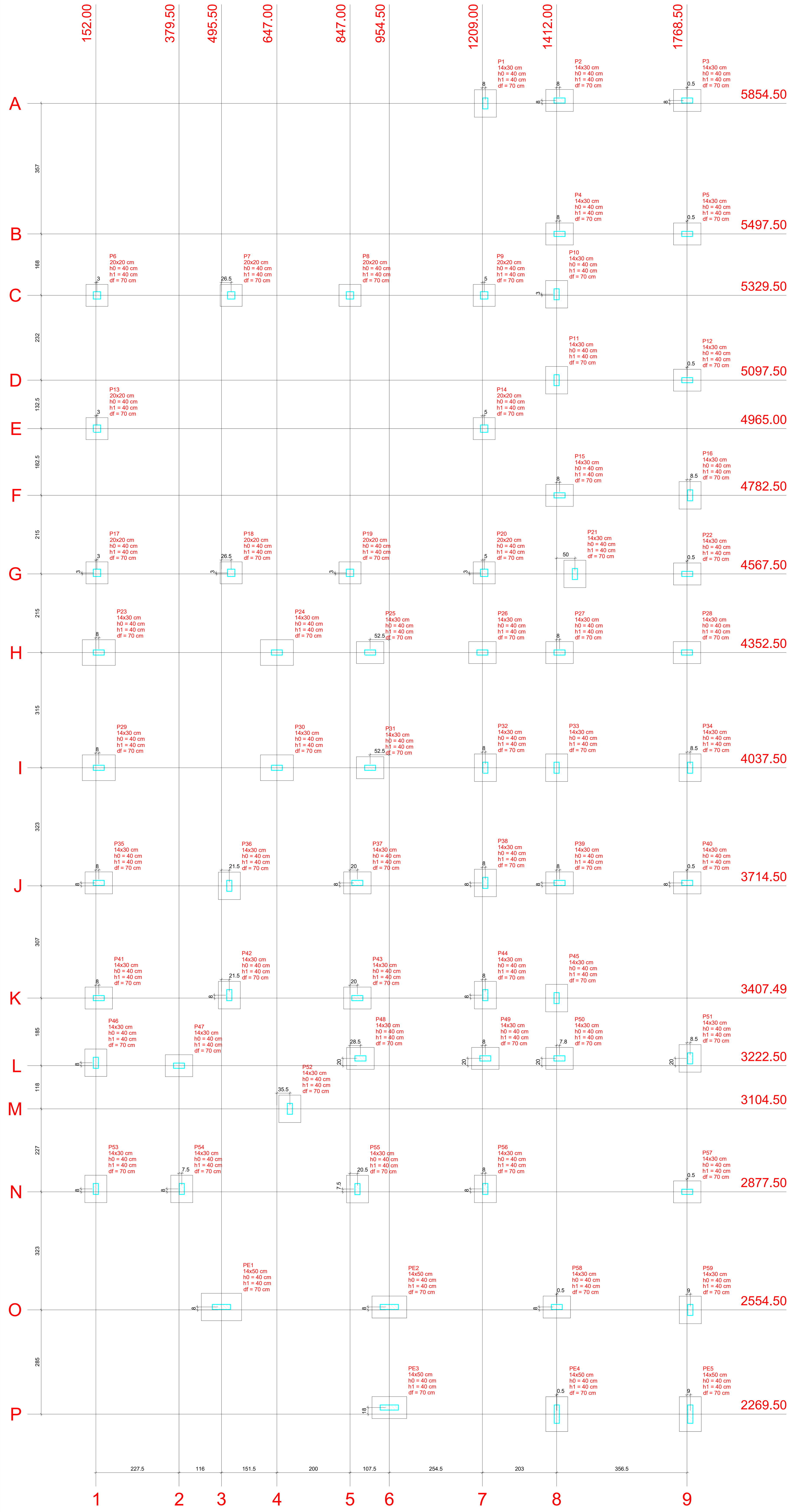
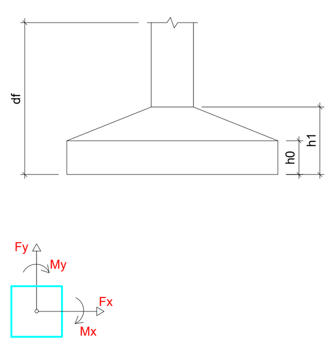


PLANTA DE LOCAÇÃO
ESC:1/75

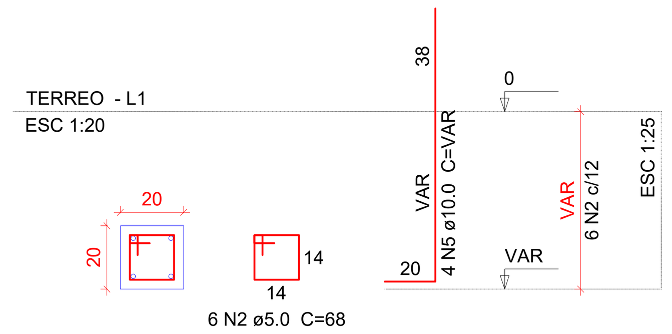
Pilar										Fundação				
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P1	14x30	1217.00	5854.50	1.1	1.0	100	100	0.1	0.1	60	75	40	40	70
P2	14x30	1420.00	5862.50	4.2	4.2	200	200	0.7	0.8	60	75	40	40	70
P3	14x30	1769.00	5862.50	3.7	3.6	100	100	0.7	0.6	60	75	40	40	70
P4	14x30	1420.00	5497.50	5.3	5.2	200	100	0.6	0.7	60	75	40	40	70
P5	14x30	1769.00	5497.50	7.3	7.1	100	200	0.6	0.5	60	75	40	40	70
P6	20x20	155.00	5329.50	3.9	3.8	100	100	0.6	0.7	60	60	40	40	70
P7	20x20	522.00	5329.50	4.0	3.9	100	200	0.5	0.1	60	60	40	40	70
P8	20x20	847.00	5329.50	4.0	3.9	100	100	0.1	0.1	60	60	40	40	70
P9	20x20	1214.00	5329.50	5.2	5.2	100	300	0.9	0.5	60	60	40	40	70
P10	14x30	1412.00	5332.50	5.5	5.4	100	200	0.8	0.2	60	75	40	40	70
P11	14x30	1412.00	5097.50	5.1	5.0	100	200	0.8	0.4	60	75	40	40	70
P12	14x30	1769.00	5097.50	6.7	6.6	200	200	0.8	0.8	60	75	40	40	70
P13	20x20	155.00	4965.00	4.5	4.4	100	100	0.1	0.1	60	60	40	40	70
P14	20x20	1214.00	4965.00	4.4	4.4	100	100	0.1	0.3	60	60	40	40	70
P15	14x30	1420.00	4782.50	5.2	4.7	200	200	1.0	0.6	60	75	40	40	70
P16	14x30	1777.00	4782.50	5.4	4.9	100	200	0.8	0.3	60	75	40	40	70
P17	20x20	155.00	4570.50	5.2	5.1	200	100	0.7	0.6	60	60	40	40	70
P18	20x20	522.00	4570.50	4.0	3.9	100	200	0.5	0.1	60	60	40	40	70
P19	20x20	847.00	4570.50	4.0	3.9	100	100	0.3	0.1	60	60	40	40	70
P20	20x20	1214.00	4570.50	4.7	4.5	200	200	0.8	0.8	60	60	40	40	70
P21	14x30	1462.00	4567.50	7.1	5.9	100	200	0.5	0.1	60	75	40	40	70
P22	14x30	1769.00	4567.50	5.7	4.7	100	200	0.4	0.1	60	75	40	40	70
P23	14x30	160.00	4352.50	6.5	6.4	200	200	1.7	0.5	70	90	40	40	70
P24	14x30	647.00	4352.50	6.7	6.6	200	400	1.8	0.7	70	90	40	40	70
P25	14x30	902.00	4352.50	4.6	4.5	200	200	0.5	0.7	60	75	40	40	70
P26	14x30	1209.00	4352.50	3.4	3.3	100	100	0.4	0.5	60	75	40	40	70
P27	14x30	1420.00	4352.50	4.9	4.4	200	100	0.7	0.6	60	75	40	40	70
P28	14x30	1768.50	4352.50	5.8	5.3	100	200	0.7	0.3	60	75	40	40	70
P29	14x30	160.00	4037.50	5.2	5.1	100	100	1.7	0.6	70	90	40	40	70
P30	14x30	647.00	4037.50	6.7	6.6	200	500	1.9	0.7	70	90	40	40	70
P31	14x30	902.00	4037.50	4.7	4.6	200	200	0.6	0.7	60	75	40	40	70
P32	14x30	1217.00	4037.50	6.1	6.0	100	100	0.3	0.3	60	75	40	40	70
P33	14x30	1412.00	4037.50	6.8	6.7	100	200	0.7	0.2	60	75	40	40	70
P34	14x30	1777.00	4037.50	5.1	5.0	100	200	0.8	0.3	60	75	40	40	70
P35	14x30	160.00	3722.50	3.7	3.6	100	100	0.5	0.6	60	75	40	40	70
P36	14x30	517.00	3714.50	5.5	5.4	100	100	0.2	0.4	60	75	40	40	70
P37	14x30	867.00	3722.50	5.6	5.5	200	100	0.1	0.7	60	75	40	40	70
P38	14x30	1217.00	3722.50	6.3	6.2	100	100	0.4	0.1	60	75	40	40	70
P39	14x30	1420.00	3722.50	6.2	6.2	100	200	0.5	0.1	60	75	40	40	70
P40	14x30	1769.00	3722.50	6.7	6.6	300	100	0.5	1.1	60	75	40	40	70
P41	14x30	160.00	3407.50	5.0	4.9	200	100	0.5	0.5	60	75	40	40	70
P42	14x30	517.00	3415.50	5.8	5.7	100	200	0.4	0.4	60	75	40	40	70
P43	14x30	867.00	3407.50	5.6	5.5	200	200	0.2	0.7	60	75	40	40	70
P44	14x30	1217.00	3415.50	4.2	4.1	100	200	0.7	0.4	60	75	40	40	70
P45	14x30	1412.00	3407.49	6.7	6.6	100	200	0.9	0.3	60	75	40	40	70
P46	14x30	152.00	3230.50	3.9	3.8	200	100	0.3	0.7	60	75	40	40	70
P47	14x30	379.50	3222.50	4.9	4.8	100	100	0.3	0.2	60	75	40	40	70
P48	14x30	875.50	3242.50	4.1	4.0	200	100	0.5	0.9	60	75	40	40	70
P49	14x30	1217.00	3242.50	4.7	4.6	200	200	0.7	0.8	60	75	40	40	70
P50	14x30	1419.75	3242.50	4.1	3.9	100	200	0.8	0.1	60	75	40	40	70
P51	14x30	1777.00	3242.50	7.7	7.6	200	200	0.7	0.8	60	75	40	40	70
P52	14x30	682.50	3104.50	3.7	3.6	500	100	0.3	0.4	60	75	40	40	70
P53	14x30	152.00	2885.50	2.9	2.8	100	100	0.1	0.7	60	75	40	40	70
P54	14x30	387.00	2885.50	6.3	6.2	200	200	0.9	0.3	60	75	40	40	70
P55	14x30	867.50	2885.00	7.1	7.0	400	200	0.9	1.1	60	75	40	40	70
P56	14x30	1217.00	2885.50	6.9	6.8	200	300	1.2	0.8	60	75	40	40	70
P57	14x30	1769.00	2877.50	4.8	4.7	100	100	1.4	0.5	60	75	40	40	70
P58	14x30	1412.50	2562.50	10.0	8.9	100	100	0.1	0.2	60	75	40	40	70
P59	14x30	1777.50	2554.50	6.5	5.8	200	200	0.6	0.3	60	75	40	40	70
PE1	14x50	495.50	2562.50	0.9	0.8	100	400	0.2	0.2	75	110	40	40	70
PE2	14x50	954.50	2562.50	6.5	5.8	100	200	0.6	0.2	60	95	40	40	70
PE3	14x50	954.50	2287.50	2.5	2.2	100	600	0.2	0.1	60	95	40	40	70
PE4	14x50	1412.50	2269.50	4.9	4.1	300	100	0.3	0.3	60	95	40	40	70
PE5	14x50	1777.50	2269.50	4.1	3.6	400	100	0.2	0.3	60	95	40	40	70

Locação no eixo X	
Coordenadas (cm)	Nome
152.00	P46, P53
155.00	P6, P13, P17
160.00	P23, P29, P35, P41
379.50	P47
387.00	P54
495.50	PE1
517.00	P36, P42
522.00	P7, P18
647.00	P24, P30
682.50	P52
847.00	P8, P19
867.00	P37, P43
867.50	P55
875.50	P48
902.00	P25, P31
954.50	PE2, PE3
1209.00	P26
1214.00	P9, P14, P20
1217.00	P1, P32, P38, P44, P49, P56
1412.00	P10, P11, P33, P45
1412.50	P58, PE4
1419.75	P50
1420.00	P2, P4, P15, P27, P39
1462.00	P21
1768.50	P28
1769.00	P3, P5, P12, P22, P40, P57
1777.00	P16, P34, P51
1777.50	P59, PE5

Locação no eixo Y	
Coordenadas (cm)	Nome
5862.50	P2, P3
5854.50	P1
5497.50	P4, P5
5332.50	P10
5329.50	P6, P7, P8, P9
5097.50	P11, P12
4965.00	P13, P14
4782.50	P15, P16
4570.50	P17, P18, P19, P20
4567.50	P21, P22
4352.50	P23, P24, P25, P26, P27, P28
4037.50	P29, P30, P31, P32, P33, P34
3722.50	P35, P37, P38, P39, P40
3714.50	P36
3415.50	P42, P44
3407.50	P41, P43
3407.49	P45
3242.50	P48, P49, P50, P51
3230.50	P46
3222.50	P47
3104.50	P52
2885.50	P53, P54, P56
2885.00	P55
2877.50	P57
2562.50	PE1, PE2, P58
2554.50	P59
2287.50	PE3
2269.50	PE4, PE5



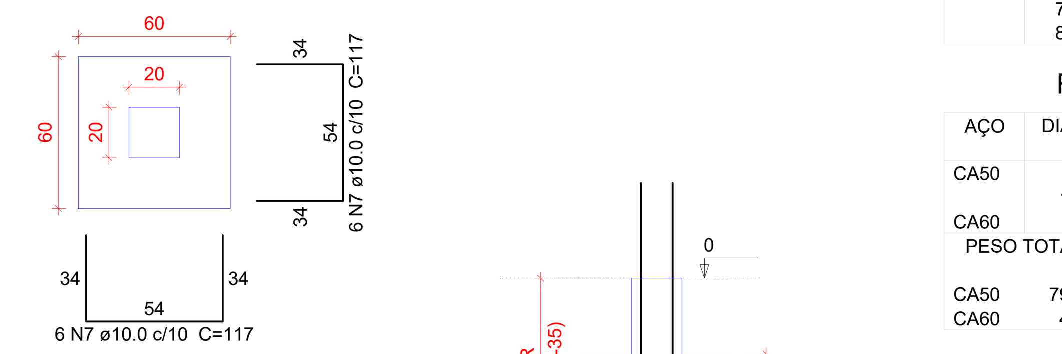
P6=P7=P8=P9=P13=P14=P17=P18=P19=P20



S6=S7=S8=S9=S13=S14=S17=S18=S19=S20

PLANTA
ESC 1:25

CORTE
ESC 1:25



Solo com capacidade de suporte > 3.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

Relação do aço

10xS13 4xS24 S52

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	294	76	22344
	2	5.0	60	68	4080
CA50	3	8.0	40	128	5120
	4	8.0	32	148	4736
	5	10.0	236	VAR	VAR
	6	10.0	2	75	150
	7	10.0	390	117	45630
	8	10.0	270	132	35640

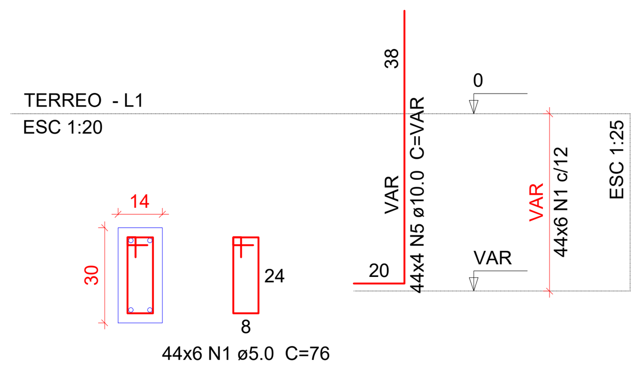
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	98.6	42.8
	10.0	1111.6	753.9
CA60	5.0	264.3	44.8

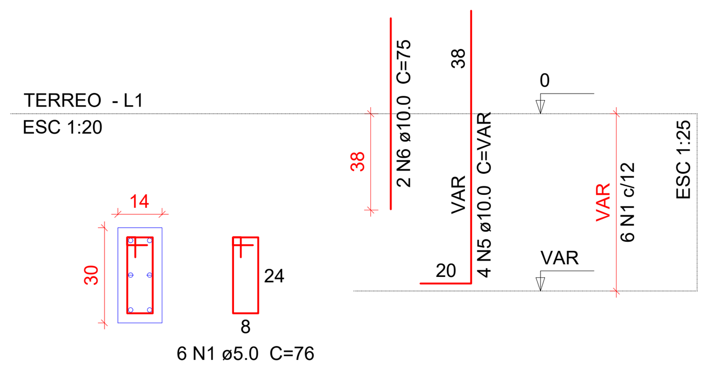
PESO TOTAL	
CA50	796.6
CA60	44.8

Vol. de concreto total (C-25) = 12.27 m³
Área de forma total = 99.1 m²

P1=P2=P3=P4=P5=P10=P11=P12=P15=P16=P21
=P22=P25=P26=P27=P28=P31=P32=P33=P34
=P35=P36=P37=P38=P39=P40=P41=P42=P43
=P44=P45=P46=P47=P48=P49=P50=P51=P52
=P53=P54=P55=P56=P57=P58



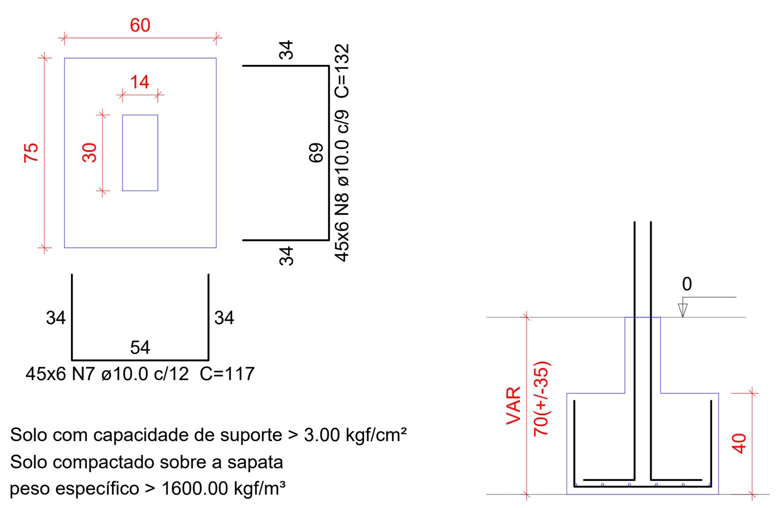
P59



S1=S2=S3=S4=S5=S10=S11=S12=S15=S16=S21
=S22=S25=S26=S27=S28=S31=S32=S33=S34
=S35=S36=S37=S38=S39=S40=S41=S42=S43
=S44=S45=S46=S47=S48=S49=S50=S51=S52
=S53=S54=S55=S56=S57=S58=S59

PLANTA
ESC 1:25

CORTE
ESC 1:25



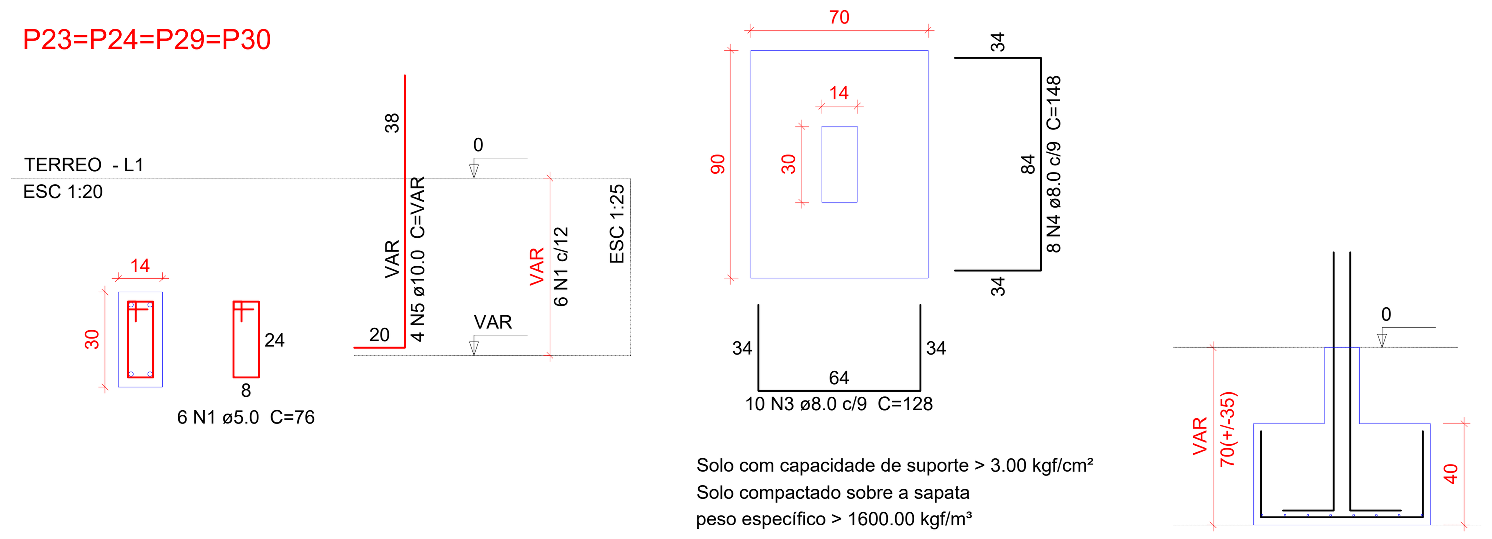
Solo com capacidade de suporte > 3.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S23=S24=S29=S30

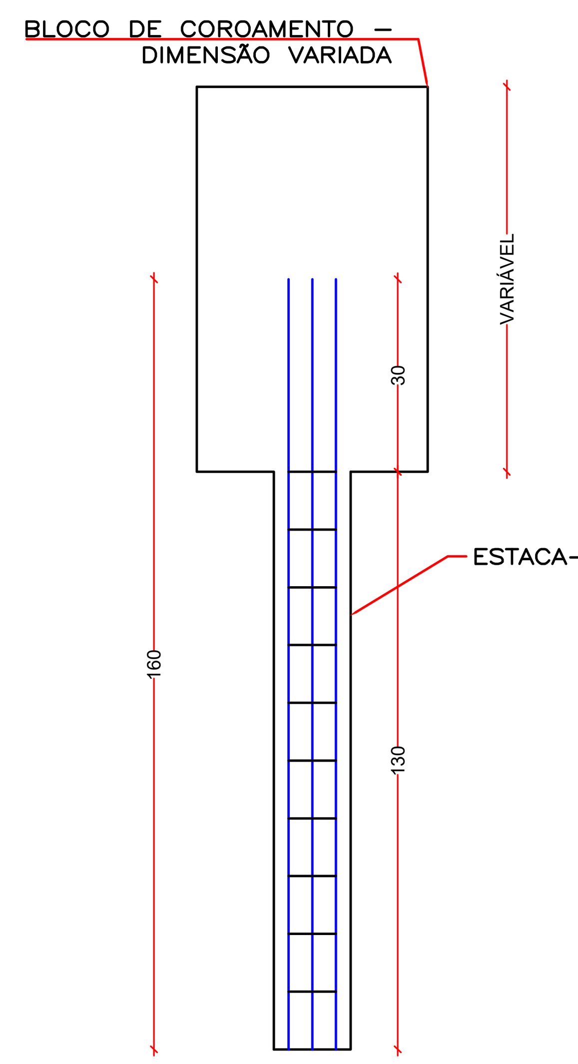
PLANTA
ESC 1:25

CORTE
ESC 1:25

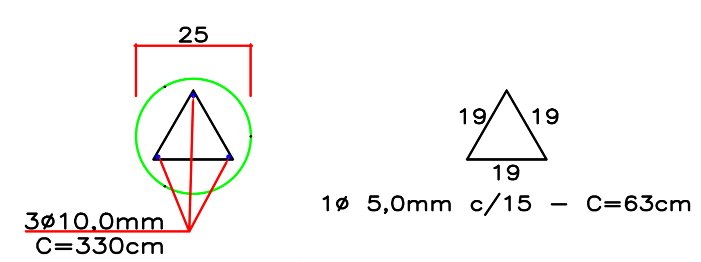
P23=P24=P29=P30



Solo com capacidade de suporte > 3.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



ESTACA-TRADO
S/ESC



ARMAÇÃO ESTACA-TRADO(x45)
S/ESC

Resumo do aço - Trado

AÇO	DIAM	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	283,20	192,21
CA60	5.0	334,53	56,67

Vol. de concreto total (C-25) =3,76 m³

AMURES | ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE RIO RUFINO - SC | **12**

ASSESSORIA TÉCNICA

PROJETO: INDIAMARA DE OLIVEIRA RIBEIRO:06834160906 — Assinado de forma digital por INDIAMARA DE OLIVEIRA RIBEIRO:06834160906 Dados: 2022.03.28 09:24:32 -03'00'

Indiamara de Oliveira Ribeiro
Eng. Civil - CREA Nº 13.4548-3

PREFEITO:

Erlon Tancredo Costa

OBRA :

Projeto de Reforma e Ampliação da UBS SARITA CABRAL

Projeto Estrutural

*Planta de Locação das Sapatas
*Sapatas

DESENHO : **Jeziel Santos Ribeiro**

Escala: **Como Indicado**

DATA : **MARÇO/2022**