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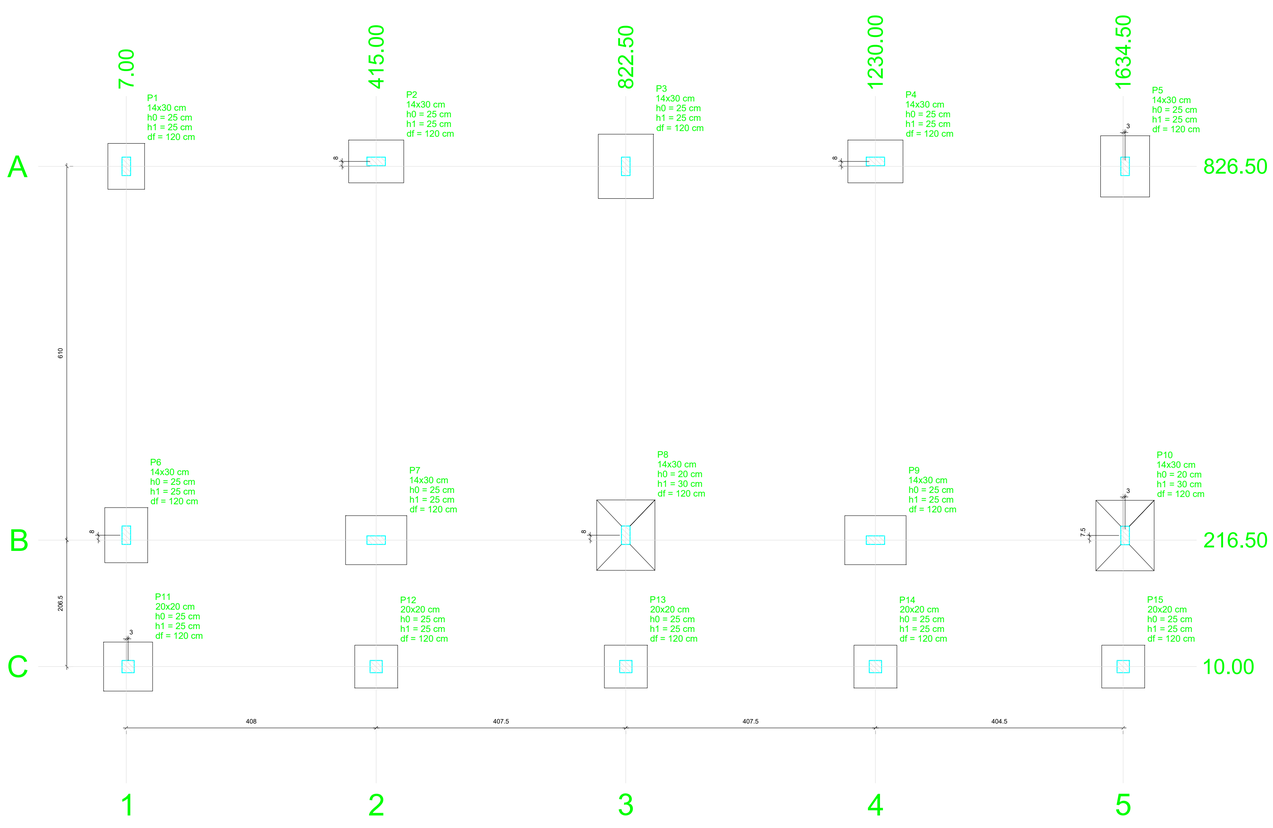
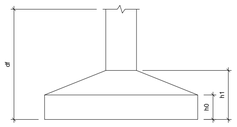


Planta de locação
escala 1:50

Pilar					Fundação				
Nome	Seção (cm)	X (cm)	Y (cm)	Posição	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P1	14x30	7.00	826.50	A-1	60	75	25	25	120
P2	14x30	415.00	834.50	A-2	70	90	25	25	120
P3	14x30	822.50	826.50	A-3	90	105	25	25	120
P4	14x30	1230.00	834.50	A-4	70	90	25	25	120
P5	14x30	1637.50	826.50	A-5	80	100	25	25	120
P6	14x30	7.00	224.50	B-1	70	90	25	25	120
P7	14x30	415.00	216.50	B-2	80	100	25	25	120
P8	14x30	822.50	224.50	B-3	95	115	20	30	120
P9	14x30	1230.00	216.50	B-4	80	100	25	25	120
P10	14x30	1637.50	224.90	B-5	95	115	20	30	120
P11	20x20	10.00	10.00	C-1	80	80	25	25	120
P12	20x20	415.00	10.00	C-2	70	70	25	25	120
P13	20x20	822.50	10.00	C-3	70	70	25	25	120
P14	20x20	1230.00	10.00	C-4	70	70	25	25	120
P15	20x20	1634.50	10.00	C-5	70	70	25	25	120

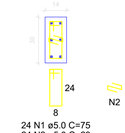


Locação no eixo X	
Coordenadas (cm)	Nome
7.00	P1, P6
10.00	P11
415.00	P2, P7, P12
822.50	P3, P8, P13
1230.00	P4, P9, P14
1634.50	P15
1637.50	P5, P10

Locação no eixo Y	
Coordenadas (cm)	Nome
834.50	P2, P4
826.50	P1, P3, P5
224.50	P6, P8
224.00	P10
216.50	P7, P9
10.00	P11, P12, P13, P14, P15

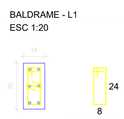
P5=P7=P8=P9

RESPALDO - L2
ESC 1:20

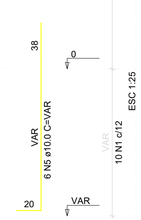


24 N1 ø5.0 C=75
24 N2 ø5.0 C=23

BALDRAME - L1
ESC 1:20

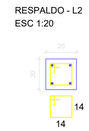


10 N1 ø5.0 C=75
10 N2 ø5.0 C=23



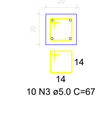
P11=P12=P13=P14=P15

RESPALDO - L2
ESC 1:20

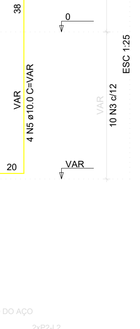


24 N3 ø5.0 C=67

BALDRAME - L1
ESC 1:20



10 N3 ø5.0 C=67



RELAÇÃO DO AÇO

4xP1-L2 4xP1-L1 2xP2-L2
2xP2-L1 4xP5-L2 4xP5-L1
5xP11-L2 5xP11-L1

AÇO	N.	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	340	75	25500
	2	5.0	136	23	3128
	3	5.0	170	67	11390
CA50	4	10.0	76	277	21052
	5	10.0	76	VAR	VAR

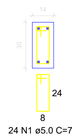
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA60	5.0	541.2	32	201.4
CA50	5.0	400.2		67.6
PESO TOTAL (kg)				
CA50	231.4			
CA60	67.8			

Volume de concreto (C-25) = 2.48 m³
Área de forma = 51.20 m²

P1=P3=P6=P10

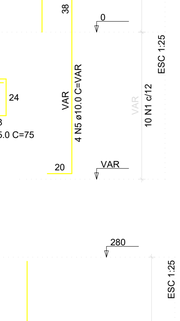
RESPALDO - L2
ESC 1:20



24 N1 ø5.0 C=75

BALDRAME - L1
ESC 1:20

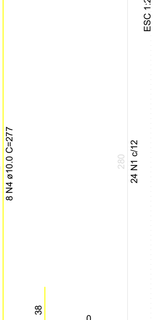
10 N1 ø5.0 C=75



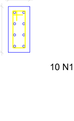
P2=P4

RESPALDO - L2
ESC 1:20

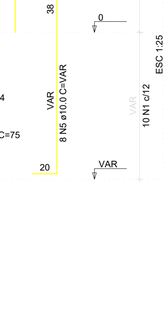
24 N1 ø5.0 C=75



BALDRAME - L1
ESC 1:20

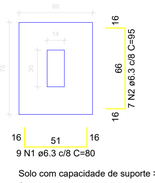


10 N1 ø5.0 C=75



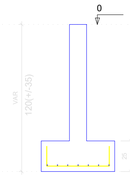
S1

PLANTA
ESC 1:25



9 N1 ø6.3 c/8 C=80

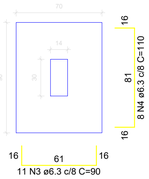
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

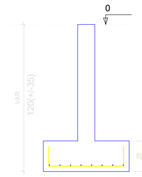
S2=S4=S6

PLANTA
ESC 1:25



11 N3 ø6.3 c/8 C=90

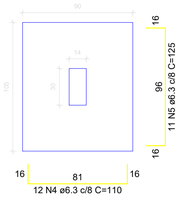
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

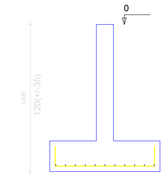
S3

PLANTA
ESC 1:25



12 N4 ø6.3 c/8 C=110

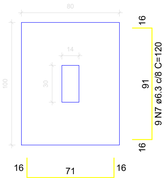
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

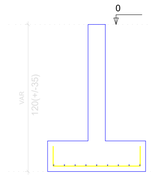
S5=S7=S9

PLANTA
ESC 1:25



12 N6 ø6.3 c/8 C=100

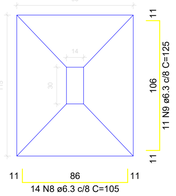
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

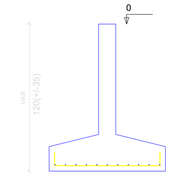
S8=S10

PLANTA
ESC 1:25



14 N8 ø6.3 c/8 C=105

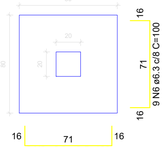
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

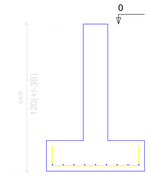
S11

PLANTA
ESC 1:25



9 N6 ø6.3 c/8 C=100

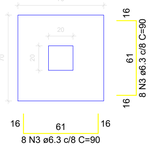
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

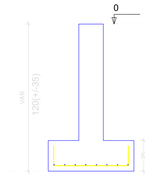
S12=S13=S14=S15

PLANTA
ESC 1:25



8 N3 ø6.3 c/8 C=90

CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

RELAÇÃO DO AÇO

S1 3xS2 S3
2xS5 2xS8 S11
4xS13

AÇO	N.	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	9	80	720
	2	6.3	7	95	665
	3	6.3	97	90	8730
	4	6.3	41	116	3960
	5	6.3	11	125	1375
	6	6.3	54	109	5490
	7	6.3	27	120	3240
	8	6.3	28	105	2940
	9	6.3	22	125	2750

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	297.8	28	80.2
PESO TOTAL (kg)				
CA50	80.2			

Volume de concreto (C-25) = 2.60 m³
Área de forma = 12.03 m²

TIPO DA OBRA	OBRA PUBLICA - Construção de salas de aula
LOCAL	Escola Ricardo Franco, Jd. Aeroporto, Vila Bela da Santissima Trindade - MT
INSC. CADASTRAL	.
PROPRIETÁRIOS	
CNPJ/CPF	.
AUTOR DO PROJETO	Valdenir de almeida Pereira
CAU	A51825-5 - Arquiteto e urbanista
RESP. P/ EXECUÇÃO	
CREA	
ÁREA (m²)	Terreno: 7.354,45 m2 Existente: 1984,30 m2 Demolição: 80,64 m2 Ampliação: 210,50 m2 Total: 2.114,16 m2
ASSUNTO	PROJETO ESTRUTURAL SALA
TITULO DO DESENHO	Plantas de locação e sapatas
FOLHA Nº	01/03
ESCALA	INDICADA
Coeficientes	Ocupação (%) . / Aproveitamento (%) . / Permeabilidade (%) .
DATA	04-2018

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