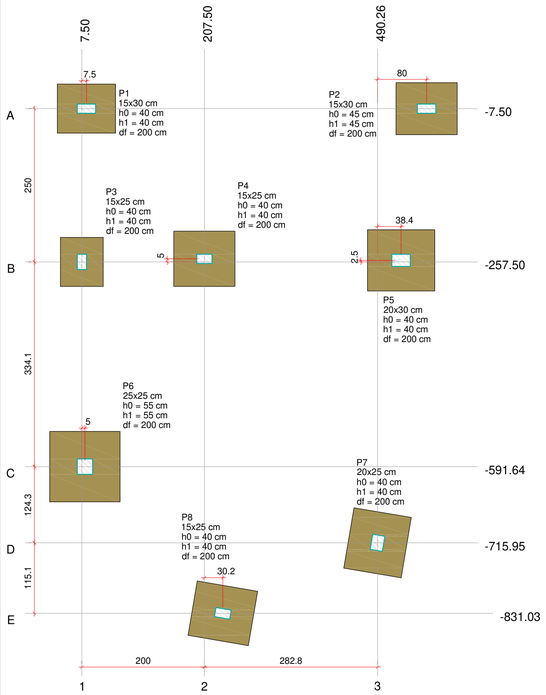


PLANTA DE LOCAÇÃO

Escala 1:50

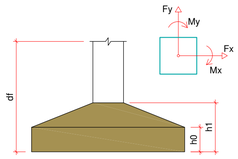
Pilar													
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo
P1	15x30	15.00	-7.50	8.0	6.6	200	-300	300	-800	0.0	-0.8	0.2	-0.2
P2	15x30	570.30	-7.50	7.5	6.3	100	-100	800	-100	0.7	0.0	0.1	-0.2
P3	15x25	7.50	-257.50	6.1	5.0	400	-300	200	-100	0.2	-0.1	0.3	-0.4
P4	15x25	207.50	-252.50	11.5	8.8	300	0	600	-400	0.5	-0.2	0.0	-0.4
P5	20x30	528.71	-255.00	13.8	11.0	400	-200	700	-500	0.3	-0.6	0.0	-0.4
P6	25x25	12.50	-591.64	13.2	10.3	300	-500	0	-1200	0.0	-0.5	0.5	-0.1
P7	20x25	490.26	-715.95	11.8	9.3	300	-500	500	-200	0.2	-0.2	0.4	-0.1
P8	15x25	237.66	-831.03	7.4	6.1	100	-100	800	-300	0.7	-0.2	0.1	0.0

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Fundação						
Nome	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)	
P1	80	95	40	40	200	
P2	85	100	45	45	200	
P3	70	80	40	40	200	
P4	90	100	40	40	200	
P5	100	110	40	40	200	
P6	115	115	55	55	200	
P7	95	100	40	40	200	
P8	90	100	40	40	200	

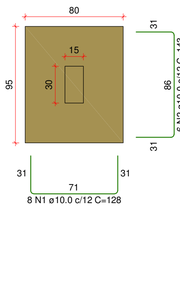
Locação no eixo X	
Coordenadas (cm)	Nome
7.50	P3
12.50	P6
15.00	P1
207.50	P4
237.66	P8
490.26	P7
528.71	P5
570.30	P2

Locação no eixo Y	
Coordenadas (cm)	Nome
-7.50	P1, P2
-252.50	P4
-255.00	P5
-257.50	P3
-591.64	P6
-715.95	P7
-831.03	P8

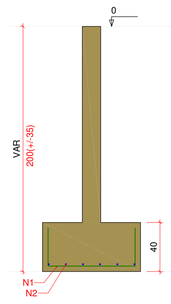


S1

PLANTA
ESC 1:25

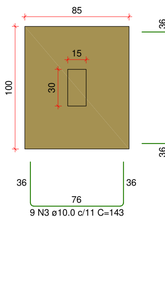


CORTE
ESC 1:25

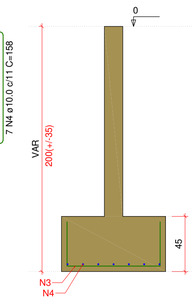


S2

PLANTA
ESC 1:25

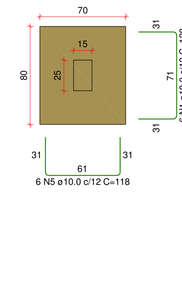


CORTE
ESC 1:25

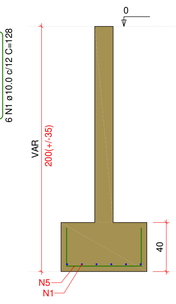


S3

PLANTA
ESC 1:25

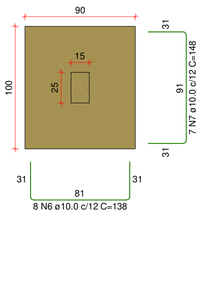


CORTE
ESC 1:25

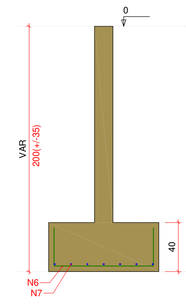


S4=S8

PLANTA
ESC 1:25

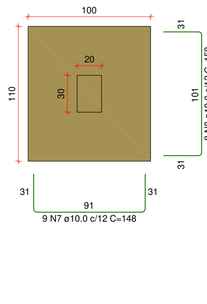


CORTE
ESC 1:25

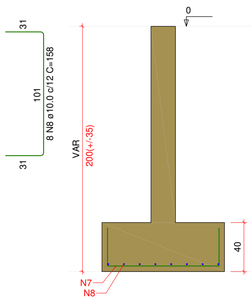


S5

PLANTA
ESC 1:25

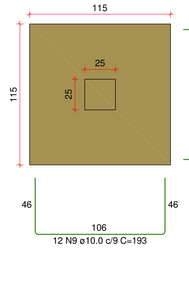


CORTE
ESC 1:25

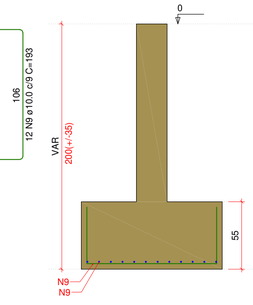


S6

PLANTA
ESC 1:25

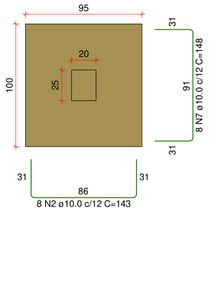


CORTE
ESC 1:25

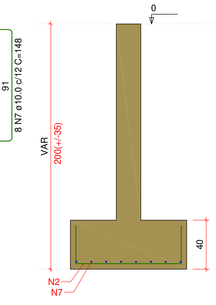


S7

PLANTA
ESC 1:25



CORTE
ESC 1:25



RELAÇÃO DO AÇO

S1 S2 S3
2xS4 S5 S6
S7

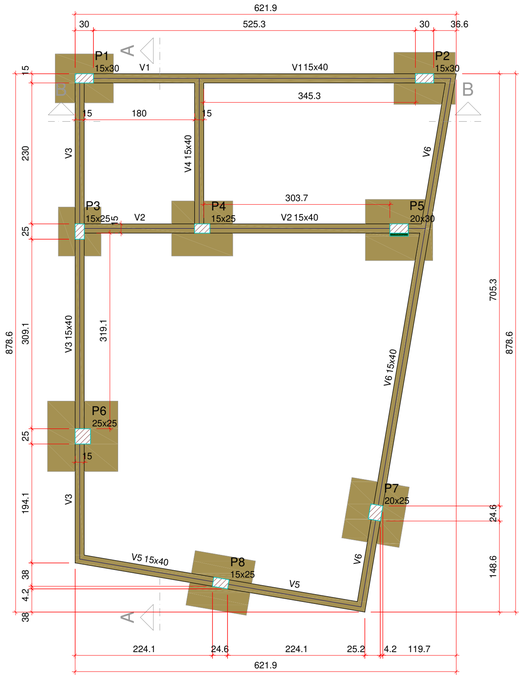
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	14	128	1792
	2	10.0	14	143	2002
	3	10.0	9	143	1287
	4	10.0	7	158	1106
	5	10.0	6	118	708
	6	10.0	16	138	2208
	7	10.0	31	148	4588
	8	10.0	8	158	1264
	9	10.0	24	193	4632

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	195.9	120.8

PESO TOTAL (kg)	
CA50	120.8

Volume de concreto (C-30) = 3.18 m³
Área de forma = 13.08 m²



FORMA DO PAVIMENTO NÍVEL 0 (NÍVEL 0)

Escala 1:50

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	0
P2	15x30	0	0
P3	15x25	0	0
P4	15x25	0	0
P5	20x30	0	0
P6	25x25	0	0
P7	20x25	0	0
P8	15x25	0	0

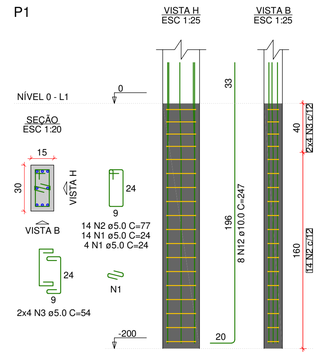
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	0
V2	15x40	0	0
V3	15x40	0	0
V4	15x40	0	0
V5	15x40	0	0
V6	15x40	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	268384

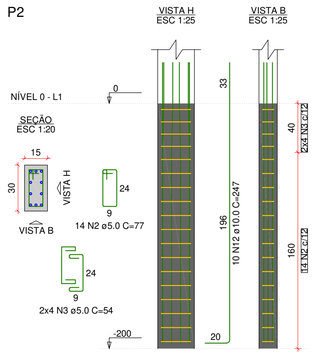
Dimensão máxima do agregado = 19 mm

Legenda	
	Pilar que passa
	Pilar com mudança de seção
	Viga

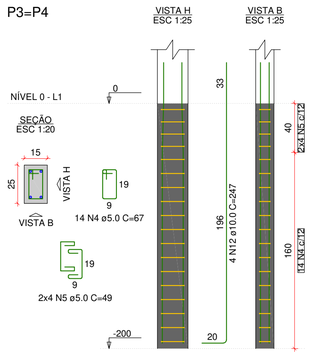
P1



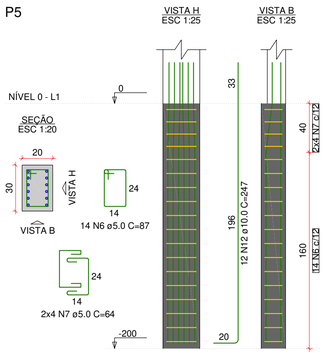
P2



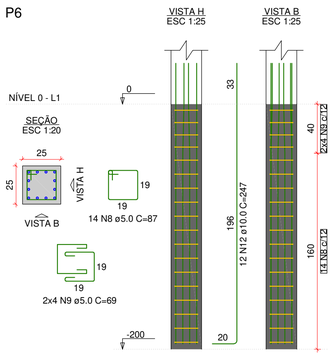
P3=P4



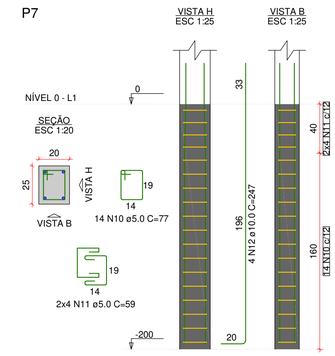
P5



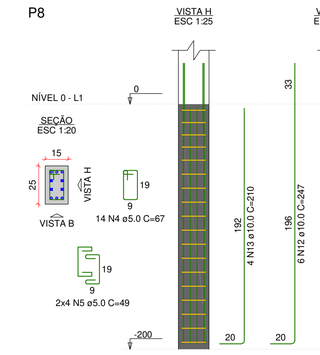
P6



P7



P8



RELAÇÃO DO AÇO

P1 P2 2xP3 P5
P6 P7 P8

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	18	24	432
	2	5.0	28	77	2156
	3	5.0	16	54	864
	4	5.0	42	67	2814
	5	5.0	24	49	1176
	6	5.0	14	87	1218
	7	5.0	8	64	512
	8	5.0	14	87	1218
	9	5.0	8	69	552
	10	5.0	14	77	1078
	11	5.0	8	59	472
CA50	12	10.0	60	247	14820
	13	10.0	4	210	840

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	156.6	96.5
CA60	5.0	124.9	19.3

PESO TOTAL (kg)	
CA50	96.5
CA60	19.3

Volume de concreto (C-30) = 0.59 m³
Área de forma = 11.16 m²

Aprovações:

ammoc
Associação dos Municípios do Meio Oeste Catarinense
Rua Roberto Trompowski,68 - 2º andar / Tel: 49 3522-2800 - www.ammoc.org.br - e-mail: ammoc@ammoc.org.br - Joaçaba/SC

PREFEITURA MUNICIPAL DE ERVAL VELHO

Obra:

PROJETO DE REFORMA E AMPLIAÇÃO
CRECHE MUNICIPAL TIA MERCEDES

ESTRUTURAL

Local da Obra: RUA CEL. HONORATO VIEIRA ESQ. RUA EMÍLIO JACOBE HACK, BAIRRO CENTRO - ERVAL VELHO/SC

Conteúdo:
- PLANTA DE LOCAÇÃO
- PLANTA DE FÔRMA (NÍVEL 0)
- DETALHAMENTO: FUNDAÇÃO, PILAR (NÍVEL 0)

Responsável Técnico:
Ana Júlia U. de Carvalho - Eng. Civil - CREA-SC 105.295-8
André Brito Dotti - Eng. Civil - CREA-SC 162.237-5
André Felipe Kasteller - Eng. Civil - CREA-SC 201.019-5
Camila Zagonel - Eng. Civil - CREA-SC 112.963-0
Denir Narcizo Zulian - Eng. Civil - CREA-SC 50.805-8
Felipe L. Parisoto - Eng. Agrônomo - CREA-SC 183.059-9
Max Mooshammer - Eng. Civil - CREA-SC 139.164-0
Suellen Karine Cervelin - Eng. Civil - CREA-SC 166.933-0

EST 01/03

Quaisquer alterações consulte os responsáveis técnicos:

Assinado digitalmente por ANDRE BRITO DOTTI:09006284998
DN: C=BR, O=ICP-Brasil, OU=AC FCDL SC v5, OU=82895970000167, OU=Presencial, OU=Certificado PF A3, CN=ANDRE BRITO DOTTI: 09006284998
Razão: Eu sou o autor deste documento
Data: 2026.01.06 12:28:11-03'00'

Assinatura Responsável Técnico | Assinatura Prefeito(a) Municipal

Desenho:	Data:	Escala:	Área Total:
ANDRÉ DOTTI	NOVEMBRO / 2025	Indicada (s)	---