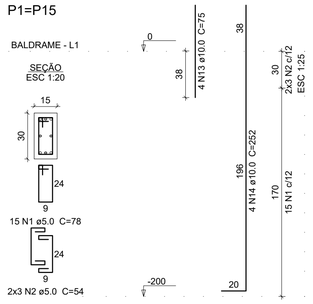
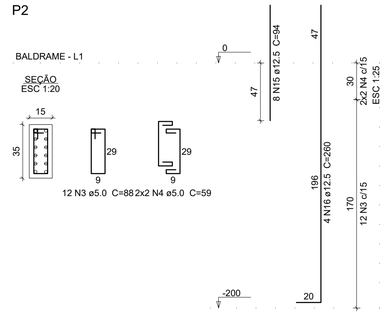
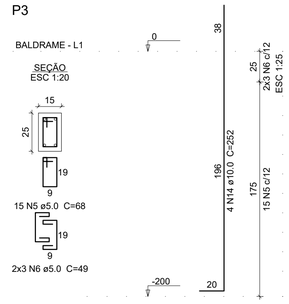
P1=P15



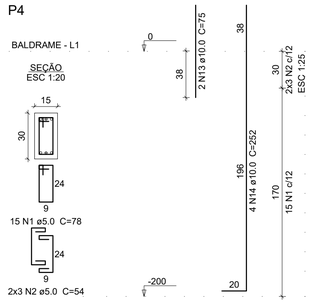
P2



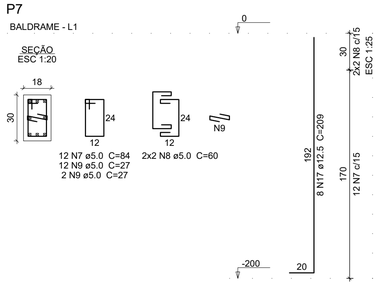
P3



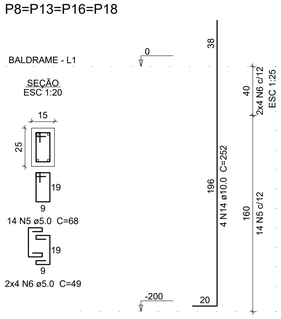
P4



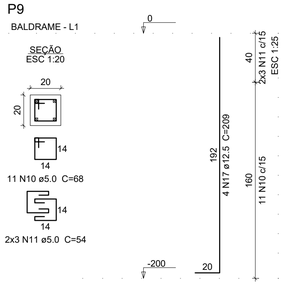
P7



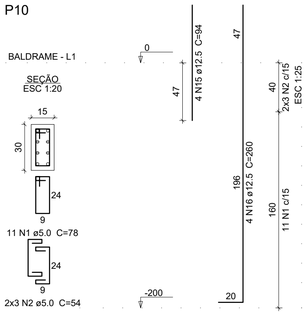
P8=P13=P16=P18



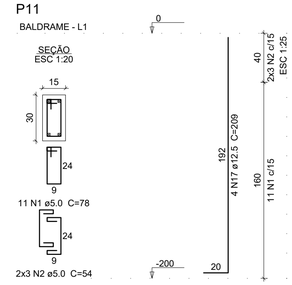
P9



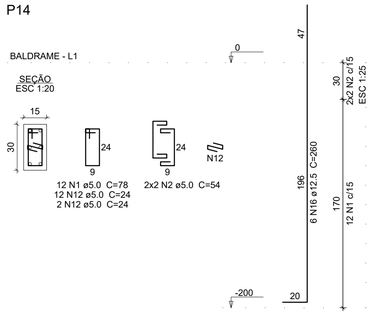
P10



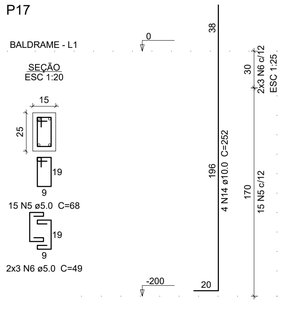
P11



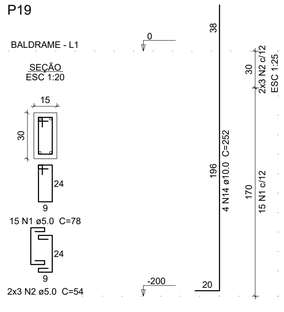
P14



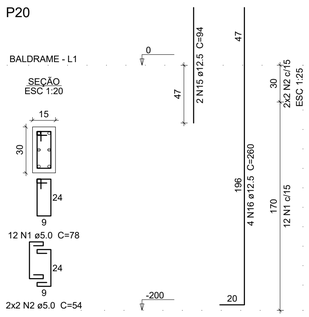
P17



P19



P20



Relação do aço - pilaretes

2xP1	P2	P3
P4	P7	4xP8
P9	P10	P11
P14	P17	P19
P20		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	106	78	8268
	2	5.0	44	54	2376
	3	5.0	12	88	1056
	4	5.0	4	59	236
	5	5.0	86	68	5848
	6	5.0	44	49	2156
	7	5.0	12	84	1008
	8	5.0	4	60	240
	9	5.0	14	27	378
	10	5.0	11	68	748
	11	5.0	6	54	324
	12	5.0	14	24	336
CA50	13	10.0	10	75	750
	14	10.0	40	252	10080
	15	12.5	14	94	1316
	16	12.5	18	260	4680
	17	12.5	16	209	3344

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	108.3	73.4
	12.5	93.4	99
CA60	5.0	229.8	39

PESO TOTAL (kg)	
CA50	172.4
CA60	39

Volume de concreto (C-25) = 1.46 m³
Área de forma = 29.52 m²

PROJETO ESTRUTURAL

AMAI
ASSOCIAÇÃO DOS MUNICÍPIOS DO ALTO IRANI

Obra:
CENTRO DE MULTIPLOUSO - AMPLIAÇÃO
Rua Mezzalira, lote urbano 04B - Ipuaçu/SC

Data: 10/2020

Resp. Técnico:
TANIA MARA BALDISSERA:07004476952
Assinado de forma digital por TANIA MARA BALDISSERA:07004476952
DN: c=BR, o=ICP-Brasil, ou=Secretaria da Receita Federal do Brasil - RFB, ou=RFB e-CPF A1, ou=EM BRANCO, ou=83827607000110, cn=TANIA MARA BALDISSERA:07004476952
Dados: 2020-11-03 16:39:47 -03'00'
Tânia Mara Baldissera - Engenheira Civil - CREA/SC 133907-5

Escala: Indicada

Município:
CLORI PEROZA:72217570978
Assinado de forma digital por CLORI PEROZA:72217570978
DN: c=BR, o=ICP-Brasil, ou=Secretaria da Receita Federal do Brasil - RFB, ou=RFB e-CPF A3, ou=(EM BRANCO), ou=29988253000105, cn=CLORI PEROZA:72217570978
Dados: 2021.03.04 11:46:08 -03'00'
Município de Ipuaçu - CNPJ 95.993.028/0001-83

Área: 112,82 m²

Desenho:

Especificação:
Pilaretes

Prancha: ES 03/08