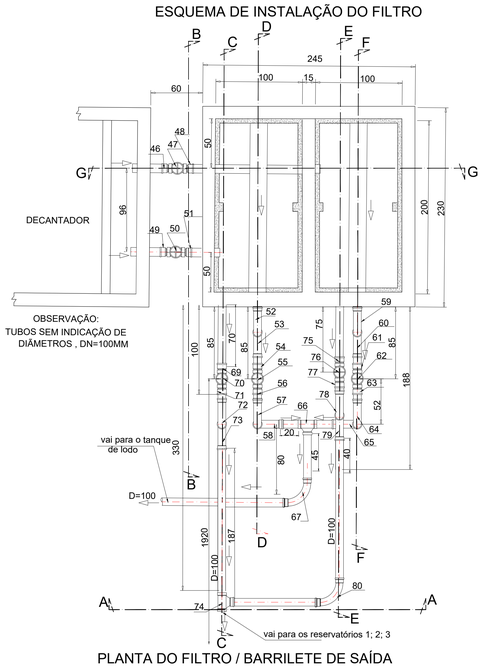
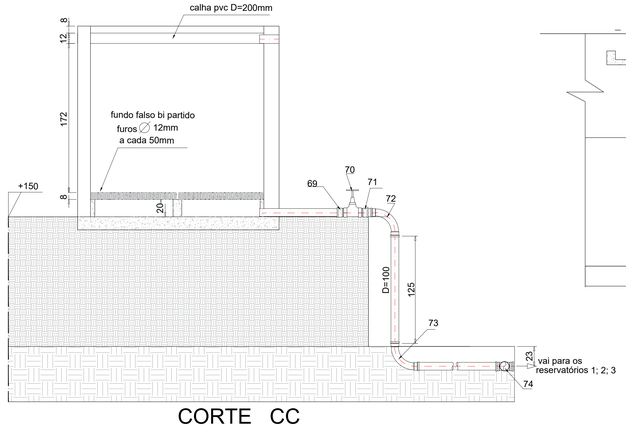
DETALHAMENTO CONSTRUTIVO DO FILTRO

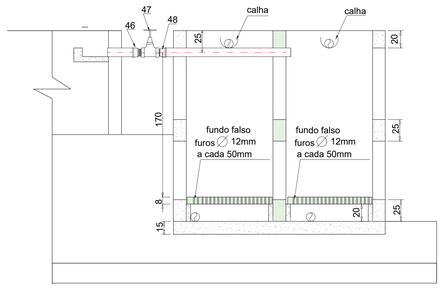
ESQUEMA DE INSTALAÇÃO DO FILTRO



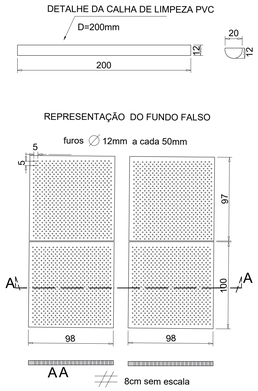
PLANTA DO FILTRO / BARRILETE DE SAÍDA

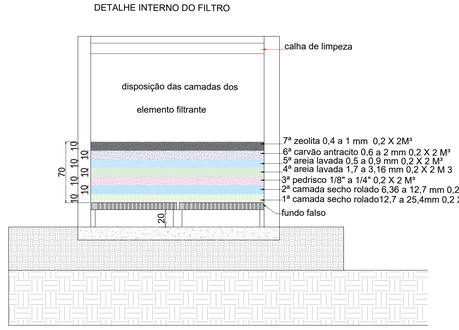


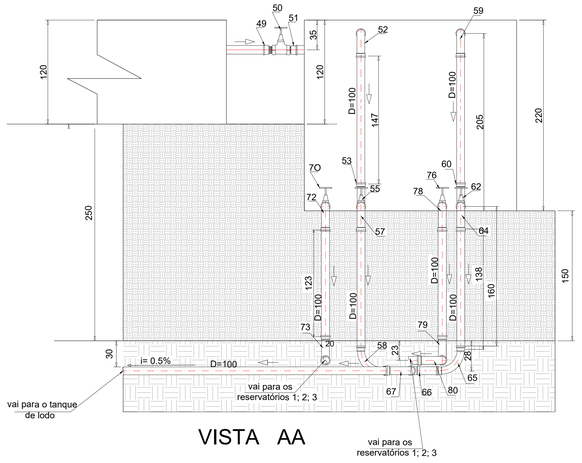
CORTE CC



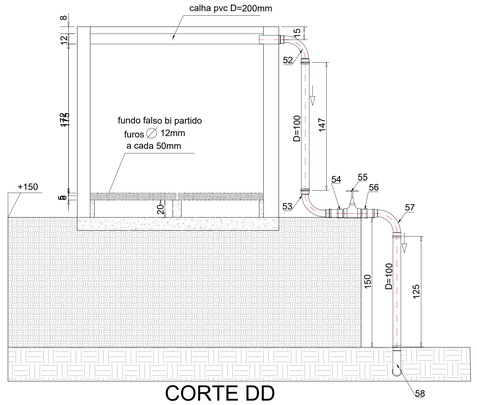
CORTE GG



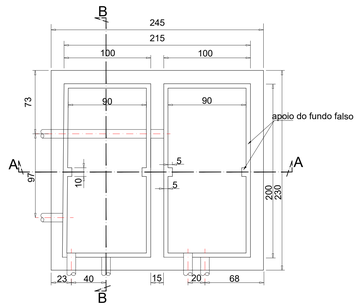




VISTA AA

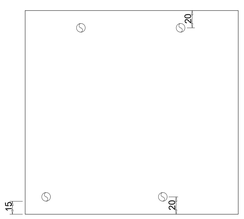


CORTE DD

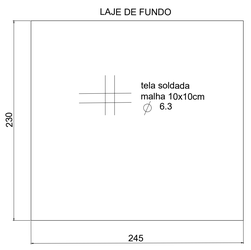




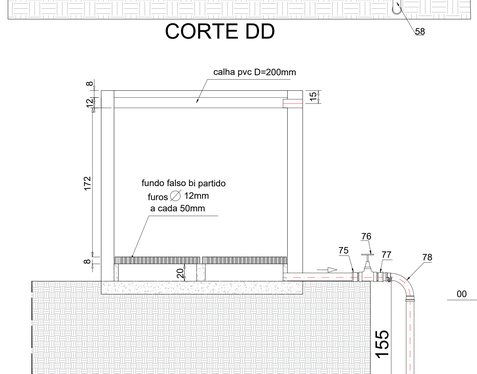
CORTE AA



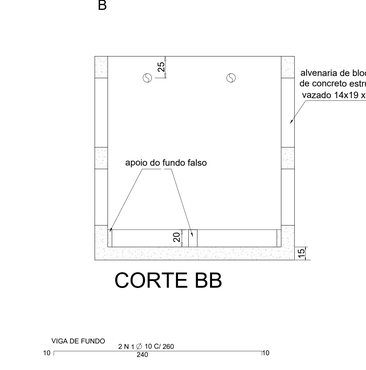
VISTA FRONTAL



VISTA BB

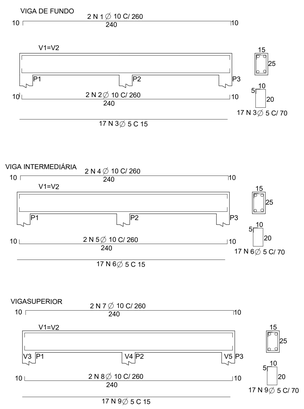


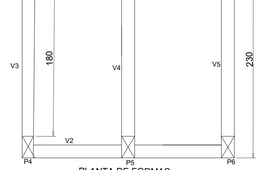
CORTE FF

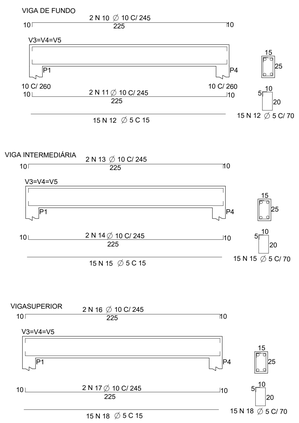


CORTE BB

CORTE EE







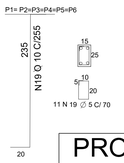


TABELA DE AÇO Nº1

POS.	∅(mm)	QUA.	COP.(m)	KG/m	KG
N1(2X)	10	2	2,6	0,63	6,55
N2(2X)	10	2	2,6	0,63	6,55
N3(2X)	5	17	0,7	0,15	3,57
N4(2X)	10	2	2,6	0,63	6,55
N5(2X)	10	2	2,6	0,63	6,55
N6(2X)	5	17	0,7	0,15	3,57
N7(2X)	10	2	2,6	0,63	6,55
N8(2X)	10	2	2,6	0,63	6,55
N9(2X)	5	17	0,7	0,15	3,57
N10(3X)	10	2	2,45	0,63	9,26
N11(3X)	10	2	2,45	0,63	9,26
N12(3X)	5	15	0,7	0,15	4,73
N13(3X)	10	2	2,45	0,63	9,26
N14(3X)	10	2	2,45	0,63	9,26
N15(3X)	5	15	0,7	0,15	4,73
N16(3X)	10	2	2,45	0,63	9,26
N17(3X)	10	2	2,45	0,63	9,26
N18(3X)	5	15	0,7	0,15	4,73
N19(6X)	10	4	2,35	0,63	35,56
N20(6X)	5	11	0,7	0,15	6,93

RESUMO

	DIAM. (MM)	COM. (M)	PESO (KG)
AÇO CA 50	10	207	130,42
AÇO CA 60	5	212,2	31,83

tela de aço soldada
malha 10x10cm ∅ 6.3 2,3*2,45*2 =11,27m²

TABELA DE LEVANTAMENTO DE QUANTITATIVOS Nº1

lastro de concreto --------=5,53 m²
concreto laje do fundo-----=0,85m³
concreto pilares-----------=0,5m³
concreto vigas de fundo-=0,44m³
concreto vigas inter.------=0,44m³
concreto vigas sup.--------=0,44m³

total de concreto---------=2,67m³

formas do fundo-= 1,9m²
formas vigamento=7,12m²
forma pilares---------=6,6m²
total de formas---------=15,62m²

alvenaria blocos de concreto estrutural
(1,8x3+1x4)x1,45=13,63m²

chapisco
((2,30x2,20)x2)+(2,00*2,20)*4)+(1,00x2,20)x4+(2,45x2,20)x2=47,30m²

reboco
((2,30x2,20)x2)+(2,00*2,20)*4)+(1,00x2,20)x4+(2,45x2,20)x2=47,30m²

impermeabilização
(1*4+2*2)*2,2+5,53=23,13m² lado interno das paredes externas mais fundo

pintura
(2,30x2,20)x2+(2,45x2,20)x2=20,9m² lado externo do filtro

LEGENDA INDICATIVA DE NUMERAÇÃO DE CONEXÕES

52; 53; 57; 58; 59; 60; 64; 65; 67;72;73; 78; 79;80 - curva longa 90° DN=110mm
47; 50; 55; 62; 70; 76; - registro de gaveta 4"
46;48;49;51;54;56;61;63;69;71;75;77 adaptador
66; 74 - T DN=110mm

LISTA DE QUANTIDADES Nº1

tubo de PVC DN=200mm p/água pluvial - 4 m
tubo de PVC classe 12 DN=110mm -------- 14,22 m
curva longa 90° DN=110mm ---------- 14 und
registro de gaveta 4"---------- 6 und
adaptador----------12 und
T DN=110mm----------2 und

PROJETO: ETA MARLIÉRIA

DETALHAMENTO DO FILTRO

CONTEÚDO: ESQUEMA DE INSTALAÇÃO DO FILTRO, PLANTA E CORTES DE -AA a GG- DE DETALHAMENTO DO BARRILETE DE SAÍDA, CALHA DE LIMPESA, REPRESENTAÇÃO DO FUNDO FALSO, DETALHE INTERNO DO FILTRO, DETALHAMENTO CONSTRUTIVO DO FILTRO, LEGENDA INDICATIVA DE NUMERAÇÃO DE CONEXÕES TABELA DE AÇO E CALCULO DE MATERIAIS.

PROPRIETÁRIO: HAMILTON LIMA PAULA:00251548694 — Assinado de forma digital por HAMILTON LIMA PAULA:00251548694 Dados: 2026.05.13 13:33:34 -03'00'

4

PREFEITURA MUNICIPAL DE MARLIÉRIA

MARLIÉRIA MG

RESPONSÁVEL TÉCNICO:

LUIZ JOSE DE FREITAS:34506853687 — Assinado de forma digital por LUIZ JOSE DE FREITAS:34506853687 Dados: 2026.05.13 11:13:34 -03'00'

LUIZ JOSÉ DE FREITAS
CREA-MG-177128/D

REVISÃO 2

DATA: ABRIL / 2026

ESCALA 1:25

PRANCHA 01/14

AO