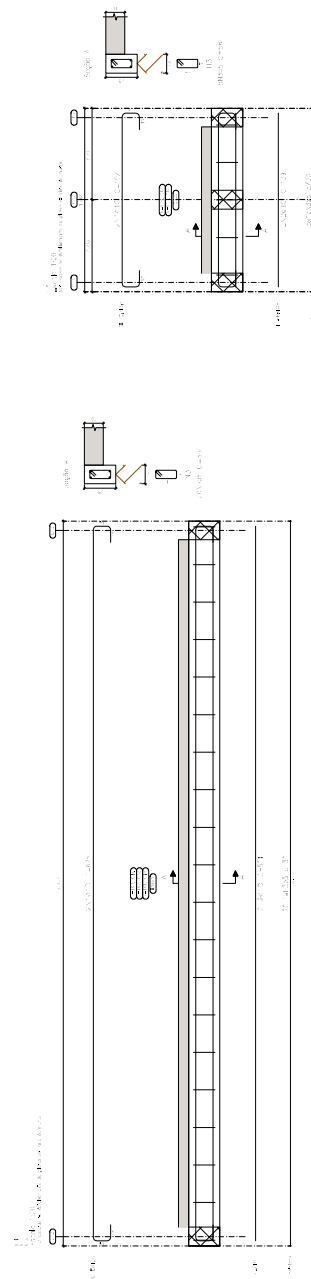




Source of variation	SS	df	MS	F	p
Between groups	1.17	2	0.58	0.00	0.99
Within groups	1.56	18	0.09		
Total	2.73	20			



SECRETARIA DA INFRAESTRUTURA

PROJETO: **PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESGOTO SANITÁRIO - RENATO PARENTE
ESTÁGIO DE EVOLUÇÃO DE PROJETO - E.E. - 1**

INTERESSADO:
PREFEITURA DE SOBRAL

ENDRECO:

MUNICIPIO:

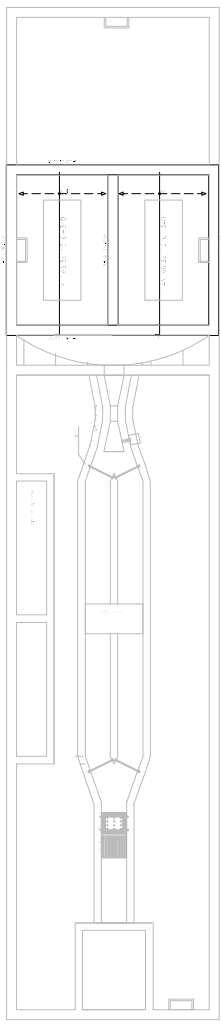
ASSINATO.

DATA
JUN 2023

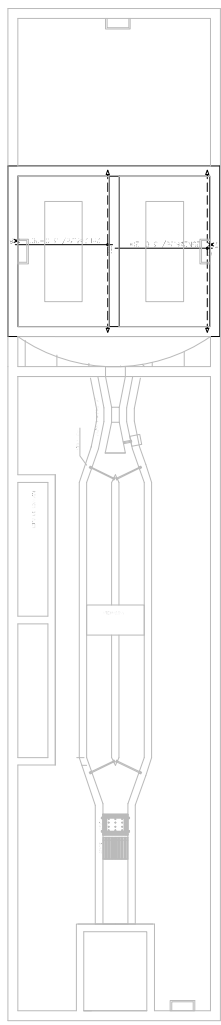
REVISÃO | AROQUIO

PRANCHA
04/13

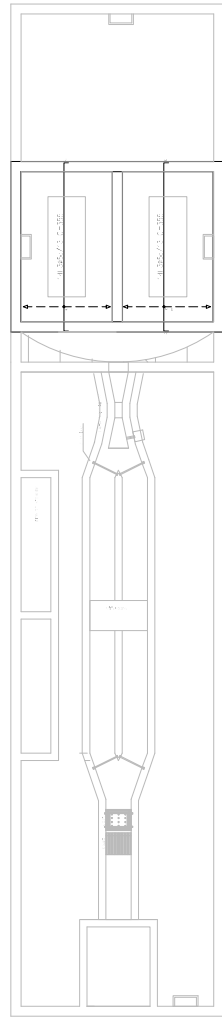
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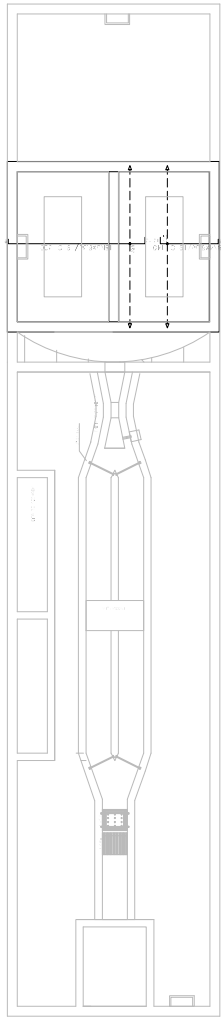
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SECRETARIA DA INFRAESTRUTURA

PROJETO: PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESCOTAMENTO SANITÁRIO - RENATO PARENTE
ESTADO DE MATO GROSSO DO SUL

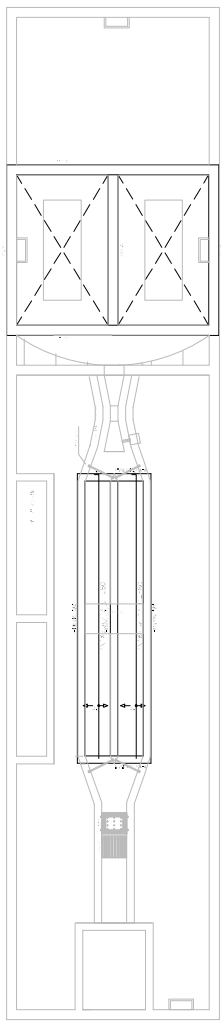
INTERESSADO: PREFEITURA DE SOBRAL
ENDEREÇO: -
MUNICÍPIO: SOBRAL

ASSUNTO: ESCOLA
ARMADORAS DA LAJE NÍVEL 0,00
INDICAÇÃO

PREFEITURA DE SOBRAL
SECRETARIA DA INFRAESTRUTURA

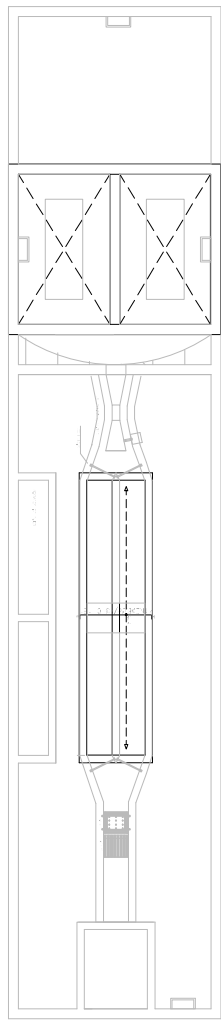
DATA: JUN/2023
REVISÃO: 01
ARQUIVO:

PRONCHIA
07/13



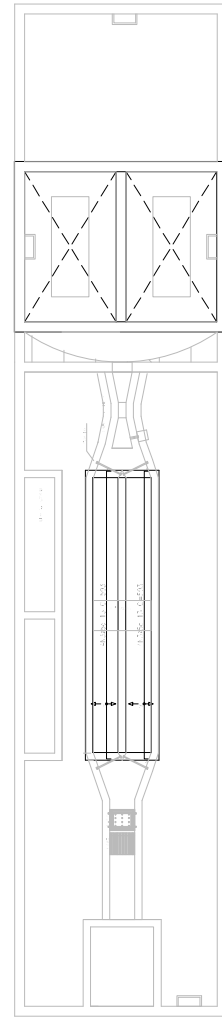
$\mathcal{L}(\mathbf{y}, \mathbf{y}^*)$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$
$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$
$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$	$\mathcal{L}(\mathbf{y}, \mathbf{y}^*) = \frac{1}{2} \ \mathbf{y} - \mathbf{y}^*\ ^2$

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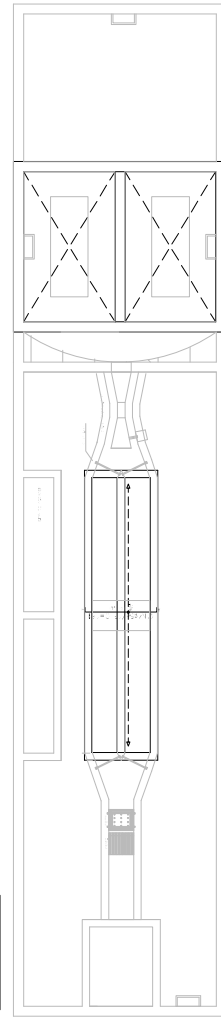


α	β	γ	δ	ϵ	ζ	η	θ	ι	κ	λ	μ	ν	ξ	$\omicron$	π	ρ	σ	τ	υ	ϕ	χ	ψ	ω	
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$\chi^2 = 2.05$
 Total: 1.0000
 G.D.F.: 22, $\text{p} = 0.51$
 $\chi^2 = 2.05$
 Total: 1.00

[illegible]

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β	β/β_0	α/α_0
0.00	0.00	0.00
0.05	0.05	0.05
0.10	0.10	0.10
0.15	0.15	0.15
0.20	0.20	0.20
0.25	0.25	0.25
0.30	0.30	0.30
0.35	0.35	0.35
0.40	0.40	0.40
0.45	0.45	0.45
0.50	0.50	0.50
0.55	0.55	0.55
0.60	0.60	0.60
0.65	0.65	0.65
0.70	0.70	0.70
0.75	0.75	0.75
0.80	0.80	0.80
0.85	0.85	0.85
0.90	0.90	0.90
0.95	0.95	0.95
1.00	1.00	1.00

$\alpha = 0.05$
 test: χ^2 test
 result: $\chi^2 = 1.38$, $df = 1$, $p = 0.24$
 conclusion: no significant difference

SECRETARIA DA INFRAESTRUTURA

PROJETO: PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESGOTAMENTO SANITÁRIO - RENATO PARENTE

INTERESSADO:
PREFEITURA DE SOBRAL

ENDEREÇO:
-

MUNICÍPIO:
SOBRAL

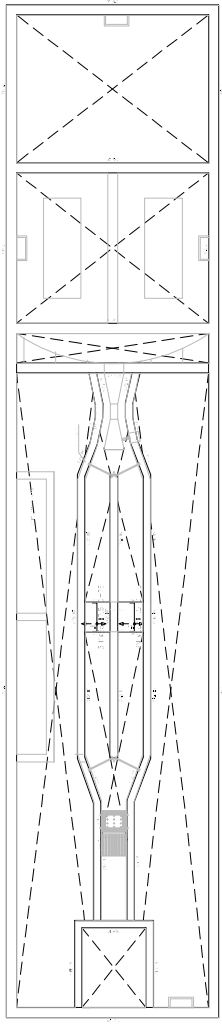


PREFEITURA DE
SOBRAL
SECRETARIA DA INFRAESTRUTURA

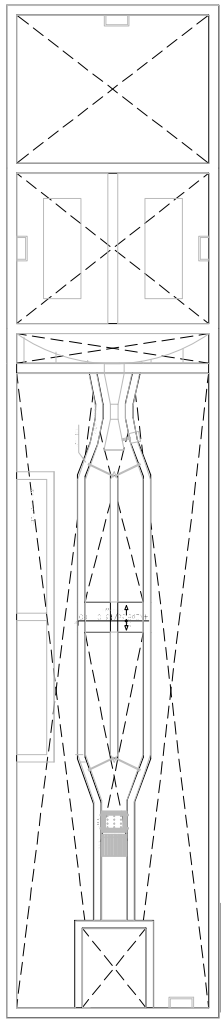
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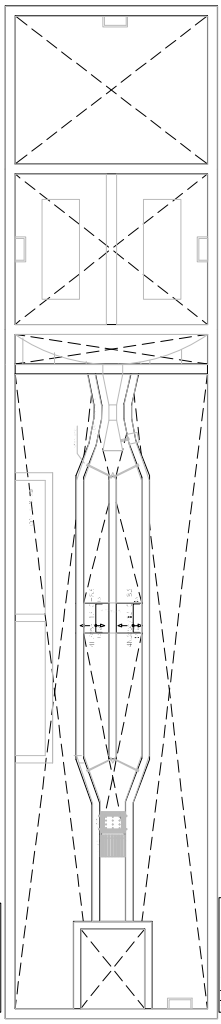
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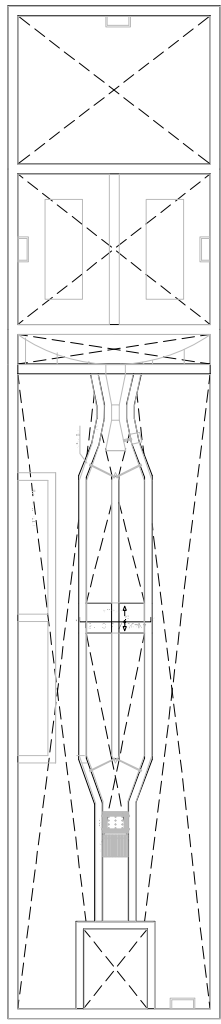
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SECRETARIA DA INFRAESTRUTURA

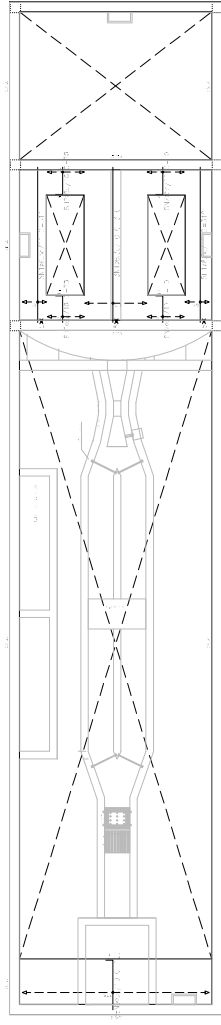
PROJETO: PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESCOTAMENTO SANITÁRIO - RENATO PARENTE
ESTÁGIO DE ELABORAÇÃO: ESCOT-01-11

INTERESSADO:
PREFEITURA DE SOBRAL
ENDEREÇO:
MUNICÍPIO:
SOBRAL

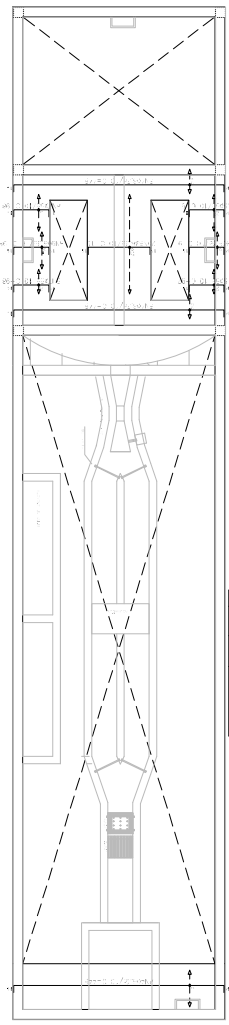
ASSINTO: ESCOLA
ARMADORAS DA LANE NIVEL 3.10
INDICAÇÃO:
PREFEITURA DE SOBRAL
SECRETARIA DA INFRAESTRUTURA

DATA: JUN/2023
REVISÃO: 01
ARQUIVO: 11/13
PRIMEIRA: 11/13

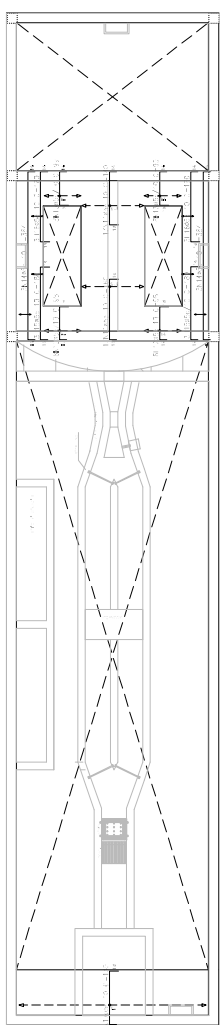
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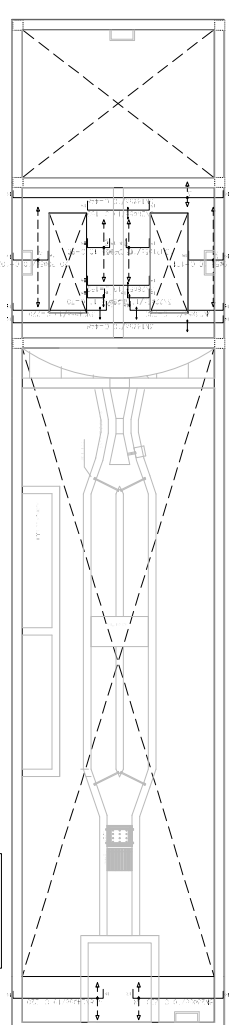
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SECRETARIA DA INFRAESTRUTURA

PROJETO: PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESCOTAMENTO SANITÁRIO - RENATO PARENTE
ESTADO DE MATO GROSSO - BRASIL

INTERESSADO: PREFEITURA DE SOBRAL

ENDEREÇO: -

MUNICÍPIO: SOBRAL

ASSINTO: ESCOLA

ARMADORAS DA LÁMINA: 3,35

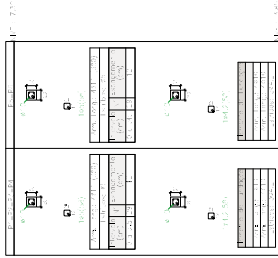
INDICAÇÃO: -



DATA: JUN/2023

REVISÃO: 01

ARQUIVO: 12/13



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SECRETARIA DA INFRAESTRUTURA

PROJETO: PROJETO DE ESTRUTURA DE CONCRETO ARMADO
SISTEMA DE ESCOTAMENTO SANITÁRIO - RENATO PARENTE
ESTADO DE PERNAMBUCO - RECIFE

INTERESSADO: PREFEITURA DE SOBRAL
ENGENHEIRO: -
MUNICÍPIO: SOBRAL



DATA: 14/07/2023 | REVISÃO: 01 | ARQUIVO: 13/13



RELATÓRIO DE MATERIAIS

ITEM	DESCRIÇÃO	QUANT.	DIAM.
un.	mm		
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2	USBR	1	250
3	USBR	1	250
4	USBR	1	250
5	USBR	1	250
6	USBR	1	250
7	USBR	1	250
8	USBR	1	250
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95	USBR	1	250
96	USBR	1	250
97	USBR	1	250
98	USBR	1	250
99	USBR	1	250
100	USBR	1	250

USBR - CUBA DE RECOMENDADO

USBR - CUBA DE RECOMENDADO

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RELATÓRIO DE MATERIAIS

ITEM	DESCRIÇÃO	QUANT.	DIAM.
un.	mm		
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3	DL	2	100
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96	DL	2	100
97	DL	2	100
98	DL	2	100
99	DL	2	100
100	DL	2	100

NOTAS:

- 1 - Toda a peça em Faja terá revestimento externo com aplicação antirreflexo.
- 2 - A impermeabilização de toda a parede interna é feita com massa polimérica elástica.
- 3 - A impermeabilização de toda a parede externa é feita com massa polimérica elástica.
- 4 - Pontos, cravas e chumbadores serão em aço inox 316.
- 5 - Todos os pontos e laços em Faja e Efeito terão classe PH 10 e flange conforme ISO 2031.

IMPERMEABILIZAÇÃO DE SUPERFÍCIE ARMASSA
POLIMÉRICA / MEMBRANA ACÚLICA
GUARDA-CORPO DE AÇO GALVANIZADO



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SEINFRA - SECRETARIA DA INFRAESTRUTURA

SISTEMA DE ESGOTAMENTO SANITÁRIO
BARRIO RENATO PARENTE

INTERESSADO:
PREFEITURA DE SOBRAL
ENGENHEIRO:
BARRIO RENATO PARENTE
MUNICÍPIO:
SOBRAL - CE



DATA: 02/12/2019
LOCAL: SOBRAL - CE

RELATÓRIO DE MATERIAIS

ITEM	DESCRIÇÃO	QUANT.	DIAM.
un.	mm		
1	USBR	1	250
2	USBR	1	250
3	USBR	1	250
4	USBR	1	250
5	USBR	1	250
6	USBR	1	250
7	USBR	1	250
8	USBR	1	250
9	USBR	1	250
10	USBR	1	250
11	USBR	1	250
12	USBR	1	250
13	USBR	1	250
14	USBR	1	250
15	USBR	1	250
16	USBR	1	250
17	USBR	1	250
18	USBR	1	250
19	USBR	1	250
20	USBR	1	250
21	USBR	1	250
22	USBR	1	250
23	USBR	1	250
24	USBR	1	250
25	USBR	1	250
26	USBR	1	250
27	USBR	1	250
28	USBR	1	250
29	USBR	1	250
30	USBR	1	250
31	USBR	1	250
32	USBR	1	250
33	USBR	1	250
34	USBR	1	250
35	USBR	1	250
36	USBR	1	250
37	USBR	1	250
38	USBR	1	250
39			

RELATÓRIO DE MATERIAIS

ITEM	DISCRIMINAÇÃO	QUANT.	DIAM.
un.	mm		
1	USAB		
101	USAB 1000 PFC 1/2" BULAS	1	250
102	USAB 1000 PFC 1/2" BULAS	1	250
103	USAB 1000 PFC 1/2" BULAS	1	250
104	USAB 1000 PFC 1/2" BULAS	1	250
105	USAB 1000 PFC 1/2" BULAS	1	250
106	USAB 1000 PFC 1/2" BULAS	1	250
107	USAB 1000 PFC 1/2" BULAS	1	250
108	USAB 1000 PFC 1/2" BULAS	1	250
109	USAB 1000 PFC 1/2" BULAS	1	250
110	USAB 1000 PFC 1/2" BULAS	1	250
111	USAB 1000 PFC 1/2" BULAS	1	250
112	USAB 1000 PFC 1/2" BULAS	1	250
113	USAB 1000 PFC 1/2" BULAS	1	250
114	USAB 1000 PFC 1/2" BULAS	1	250
115	USAB 1000 PFC 1/2" BULAS	1	250
116	USAB 1000 PFC 1/2" BULAS	1	250
117	USAB 1000 PFC 1/2" BULAS	1	250
118	USAB 1000 PFC 1/2" BULAS	1	250
119	USAB 1000 PFC 1/2" BULAS	1	250
120	USAB 1000 PFC 1/2" BULAS	1	250
121	USAB 1000 PFC 1/2" BULAS	1	250
122	USAB 1000 PFC 1/2" BULAS	1	250
123	USAB 1000 PFC 1/2" BULAS	1	250
124	USAB 1000 PFC 1/2" BULAS	1	250
125	USAB 1000 PFC 1/2" BULAS	1	250
126	USAB 1000 PFC 1/2" BULAS	1	250
127	USAB 1000 PFC 1/2" BULAS	1	250
128	USAB 1000 PFC 1/2" BULAS	1	250
129	USAB 1000 PFC 1/2" BULAS	1	250
130	USAB 1000 PFC 1/2" BULAS	1	250
131	USAB 1000 PFC 1/2" BULAS	1	250
132	USAB 1000 PFC 1/2" BULAS	1	250
133	USAB 1000 PFC 1/2" BULAS	1	250
134	USAB 1000 PFC 1/2" BULAS	1	250
135	USAB 1000 PFC 1/2" BULAS	1	250
136	USAB 1000 PFC 1/2" BULAS	1	250
137	USAB 1000 PFC 1/2" BULAS	1	250
138	USAB 1000 PFC 1/2" BULAS	1	250
139	USAB 1000 PFC 1/2" BULAS	1	250
140	USAB 1000 PFC 1/2" BULAS	1	250
141	USAB 1000 PFC 1/2" BULAS	1	250
142	USAB 1000 PFC 1/2" BULAS	1	250
143	USAB 1000 PFC 1/2" BULAS	1	250
144	USAB 1000 PFC 1/2" BULAS	1	250
145	USAB 1000 PFC 1/2" BULAS	1	250
146	USAB 1000 PFC 1/2" BULAS	1	250
147	USAB 1000 PFC 1/2" BULAS	1	250
148	USAB 1000 PFC 1/2" BULAS	1	250
149	USAB 1000 PFC 1/2" BULAS	1	250
150	USAB 1000 PFC 1/2" BULAS	1	250
151	USAB 1000 PFC 1/2" BULAS	1	250
152	USAB 1000 PFC 1/2" BULAS	1	250
153	USAB 1000 PFC 1/2" BULAS	1	250
154	USAB 1000 PFC 1/2" BULAS	1	250
155	USAB 1000 PFC 1/2" BULAS	1	250
156	USAB 1000 PFC 1/2" BULAS	1	250
157	USAB 1000 PFC 1/2" BULAS	1	250
158	USAB 1000 PFC 1/2" BULAS	1	250
159	USAB 1000 PFC 1/2" BULAS	1	250
160	USAB 1000 PFC 1/2" BULAS	1	250
161	USAB 1000 PFC 1/2" BULAS	1	250
162	USAB 1000 PFC 1/2" BULAS	1	250
163	USAB 1000 PFC 1/2" BULAS	1	250
164	USAB 1000 PFC 1/2" BULAS	1	250
165	USAB 1000 PFC 1/2" BULAS	1	250
166	USAB 1000 PFC 1/2" BULAS	1	250
167	USAB 1000 PFC 1/2" BULAS	1	250
168	USAB 1000 PFC 1/2" BULAS	1	250
169	USAB 1000 PFC 1/2" BULAS	1	250
170	USAB 1000 PFC 1/2" BULAS	1	250
171	USAB 1000 PFC 1/2" BULAS	1	250
172	USAB 1000 PFC 1/2" BULAS	1	250
173	USAB 1000 PFC 1/2" BULAS	1	250
174	USAB 1000 PFC 1/2" BULAS	1	250
175	USAB 1000 PFC 1/2" BULAS	1	250
176	USAB 1000 PFC 1/2" BULAS	1	250
177	USAB 1000 PFC 1/2" BULAS	1	250
178	USAB 1000 PFC 1/2" BULAS	1	250
179	USAB 1000 PFC 1/2" BULAS	1	250
180	USAB 1000 PFC 1/2" BULAS	1	250
181	USAB 1000 PFC 1/2" BULAS	1	250
182	USAB 1000 PFC 1/2" BULAS	1	250
183	USAB 1000 PFC 1/2" BULAS	1	250
184	USAB 1000 PFC 1/2" BULAS	1	250
185	USAB 1000 PFC 1/2" BULAS	1	250
186	USAB 1000 PFC 1/2" BULAS	1	250
187	USAB 1000 PFC 1/2" BULAS	1	250
188	USAB 1000 PFC 1/2" BULAS	1	250
189	USAB 1000 PFC 1/2" BULAS	1	250
190	USAB 1000 PFC 1/2" BULAS	1	250
191	USAB 1000 PFC 1/2" BULAS	1	250
192	USAB 1000 PFC 1/2" BULAS	1	250
193	USAB 1000 PFC 1/2" BULAS	1	250
194	USAB 1000 PFC 1/2" BULAS	1	250
195	USAB 1000 PFC 1/2" BULAS	1	250
196	USAB 1000 PFC 1/2" BULAS	1	250
197	USAB 1000 PFC 1/2" BULAS	1	250
198	USAB 1000 PFC 1/2" BULAS	1	250
199	USAB 1000 PFC 1/2" BULAS	1	250
200	USAB 1000 PFC 1/2" BULAS	1	250

RELATÓRIO DE MATERIAIS

ITEM	DISCRIMINAÇÃO	QUANT.	DIAM.
un.	mm		
1	DL		
101	DL 1000 PFC 1/2" BULAS	2	100
102	DL 1000 PFC 1/2" BULAS	2	100
103	DL 1000 PFC 1/2" BULAS	2	100
104	DL 1000 PFC 1/2" BULAS	2	100
105	DL 1000 PFC 1/2" BULAS	2	100
106	DL 1000 PFC 1/2" BULAS	2	100
107	DL 1000 PFC 1/2" BULAS	2	100
108	DL 1000 PFC 1/2" BULAS	2	100
109	DL 1000 PFC 1/2" BULAS	2	100
110	DL 1000 PFC 1/2" BULAS	2	100
111	DL 1000 PFC 1/2" BULAS	2	100
112	DL 1000 PFC 1/2" BULAS	2	100
113	DL 1000 PFC 1/2" BULAS	2	100
114	DL 1000 PFC 1/2" BULAS	2	100
115	DL 1000 PFC 1/2" BULAS	2	100
116	DL 1000 PFC 1/2" BULAS	2	100
117	DL 1000 PFC 1/2" BULAS	2	100
118	DL 1000 PFC 1/2" BULAS	2	100
119	DL 1000 PFC 1/2" BULAS	2	100
120	DL 1000 PFC 1/2" BULAS	2	100
121	DL 1000 PFC 1/2" BULAS	2	100
122	DL 1000 PFC 1/2" BULAS	2	100
123	DL 1000 PFC 1/2" BULAS	2	100
124	DL 1000 PFC 1/2" BULAS	2	100
125	DL 1000 PFC 1/2" BULAS	2	100
126	DL 1000 PFC 1/2" BULAS	2	100
127	DL 1000 PFC 1/2" BULAS	2	100
128	DL 1000 PFC 1/2" BULAS	2	100
129	DL 1000 PFC 1/2" BULAS	2	100
130	DL 1000 PFC 1/2" BULAS	2	100
131	DL 1000 PFC 1/2" BULAS	2	100
132	DL 1000 PFC 1/2" BULAS	2	100
133	DL 1000 PFC 1/2" BULAS	2	100
134	DL 1000 PFC 1/2" BULAS	2	100
135	DL 1000 PFC 1/2" BULAS	2	100
136	DL 1000 PFC 1/2" BULAS	2	100
137	DL 1000 PFC 1/2" BULAS	2	100
138	DL 1000 PFC 1/2" BULAS	2	100
139	DL 1000 PFC 1/2" BULAS	2	100
140	DL 1000 PFC 1/2" BULAS	2	100
141	DL 1000 PFC 1/2" BULAS	2	100
142	DL 1000 PFC 1/2" BULAS	2	100
143	DL 1000 PFC 1/2" BULAS	2	100
144	DL 1000 PFC 1/2" BULAS	2	100
145	DL 1000 PFC 1/2" BULAS	2	100
146	DL 1000 PFC 1/2" BULAS	2	100
147	DL 1000 PFC 1/2" BULAS	2	100
148	DL 1000 PFC 1/2" BULAS	2	100
149	DL 1000 PFC 1/2" BULAS	2	100
150	DL 1000 PFC 1/2" BULAS	2	100
151	DL 1000 PFC 1/2" BULAS	2	100
152	DL 1000 PFC 1/2" BULAS	2	100
153	DL 1000 PFC 1/2" BULAS	2	100
154	DL 1000 PFC 1/2" BULAS	2	100
155	DL 1000 PFC 1/2" BULAS	2	100
156	DL 1000 PFC 1/2" BULAS	2	100
157	DL 1000 PFC 1/2" BULAS	2	100
158	DL 1000 PFC 1/2" BULAS	2	100
159	DL 1000 PFC 1/2" BULAS	2	100
160	DL 1000 PFC 1/2" BULAS	2	100
161	DL 1000 PFC 1/2" BULAS	2	100
162	DL 1000 PFC 1/2" BULAS	2	100
163	DL 1000 PFC 1/2" BULAS	2	100
164	DL 1000 PFC 1/2" BULAS	2	100
165	DL 1000 PFC 1/2" BULAS	2	100
166	DL 1000 PFC 1/2" BULAS	2	100
167	DL 1000 PFC 1/2" BULAS	2	100
168	DL 1000 PFC 1/2" BULAS	2	100
169	DL 1000 PFC 1/2" BULAS	2	100
170	DL 1000 PFC 1/2" BULAS	2	100
171	DL 1000 PFC 1/2" BULAS	2	100
172	DL 1000 PFC 1/2" BULAS	2	100
173	DL 1000 PFC 1/2" BULAS	2	100
174	DL 1000 PFC 1/2" BULAS	2	100
175	DL 1000 PFC 1/2" BULAS	2	100
176	DL 1000 PFC 1/2" BULAS	2	100
177	DL 1000 PFC 1/2" BULAS	2	100
178	DL 1000 PFC 1/2" BULAS	2	100
179	DL 1000 PFC 1/2" BULAS	2	100
180	DL 1000 PFC 1/2" BULAS	2	100
181	DL 1000 PFC 1/2" BULAS	2	100
182	DL 1000 PFC 1/2" BULAS	2	100
183	DL 1000 PFC 1/2" BULAS	2	100
184	DL 1000 PFC 1/2" BULAS	2	100
185	DL 1000 PFC 1/2" BULAS	2	100
186	DL 1000 PFC 1/2" BULAS	2	100
187	DL 1000 PFC 1/2" BULAS	2	100
188	DL 1000 PFC 1/2" BULAS	2	100
189	DL 1000 PFC 1/2" BULAS	2	100
190	DL 1000 PFC 1/2" BULAS	2	100
191	DL 1000 PFC 1/2" BULAS	2	100
192	DL 1000 PFC 1/2" BULAS	2	100
193	DL 1000 PFC 1/2" BULAS	2	100
194	DL 1000 PFC 1/2" BULAS	2	100
195	DL 1000 PFC 1/2" BULAS	2	100
196	DL 1000 PFC 1/2" BULAS	2	100
197	DL 1000 PFC 1/2" BULAS	2	100
198	DL 1000 PFC 1/2" BULAS	2	100
199	DL 1000 PFC 1/2" BULAS	2	100
200	DL 1000 PFC 1/2" BULAS	2	100

NOTAS:

- Todos os materiais em aço terão revestimento externo com epóxiado autoprime.
- A impermeabilização de todos os pontos internos e externos será feita com membrana acrílica.
- As dimensões mínimas dos pontos dos edifícios, colunas e varandas serão as seguintes:
- As dimensões mínimas dos pontos dos edifícios, colunas e varandas serão as seguintes:
- Todos os pontos e lajes em concreto terão espessura mínima de 10 cm.

IMPERMEABILIZAÇÃO DE SUPERFÍCIE ARGAMASSA
POLÍMERICA / MEMBRANA ACÍLICA
GUARDA-CORPO DE AÇO GALVANIZADO



ITEM	DATA	RESPONSÁVEL
01	-	RESPONSÁVEL
02	-	RESPONSÁVEL
03	-	RESPONSÁVEL
04	-	RESPONSÁVEL
05	-	RESPONSÁVEL
06	-	RESPONSÁVEL
07	-	RESPONSÁVEL
08	-	RESPONSÁVEL
09	-	RESPONSÁVEL
10	-	RESPONSÁVEL
11	-	RESPONSÁVEL
12	-	RESPONSÁVEL
13	-	RESPONSÁVEL
14	-	RESPONSÁVEL
15	-	RESPONSÁVEL
16	-	RESPONSÁVEL
17	-	RESPONSÁVEL
18	-	RESPONSÁVEL
19	-	RESPONSÁVEL
20	-	RESPONSÁVEL

SEINFRA - SECRETARIA DA INFRAESTRUTURA

SISTEMA DE ESGOTAMENTO SANITÁRIO
BARRIO RENATO PARENTE

INTERESSADO:
PREFEITURA DE SOBRAL
ENGENHEIRO:
BARRIO RENATO PARENTE
MUNICÍPIO:
SOBRAL - CE



PREFEITURA DE SOBRAL
SECRETARIA DA INFRAESTRUTURA

DATA: 04/12/2018
FOLHA: 01 DE 01

RELATÓRIO DE MATERIAIS

ITEM	DISCRIMINAÇÃO	QUANT.	DIAM.
		un.	mm
USAB			
101	1000 PFC 1/2" BULAS	1	250
102	1000 PFC 1/2" L-60mm	1	250
103	1000 PFC 1/2" L-60mm	1	250
104	1000 PFC 1/2" L-60mm	1	250
105	1000 PFC 1/2" L-60mm	1	250
106	1000 PFC 1/2" L-60mm	1	250
107	1000 PFC 1/2" L-60mm	1	250
108	1000 PFC 1/2" L-60mm	1	250
109	1000 PFC 1/2" L-60mm	1	250
110	1000 PFC 1/2" L-60mm	1	250
111	1000 PFC 1/2" L-60mm	1	250
112	1000 PFC 1/2" L-60mm	1	250
113	1000 PFC 1/2" L-60mm	1	250
114	1000 PFC 1/2" L-60mm	1	250
115	1000 PFC 1/2" L-60mm	1	250
116	1000 PFC 1/2" L-60mm	1	250
117	1000 PFC 1/2" L-60mm	1	250
118	1000 PFC 1/2" L-60mm	1	250
119	1000 PFC 1/2" L-60mm	1	250
120	1000 PFC 1/2" L-60mm	1	250
121	1000 PFC 1/2" L-60mm	1	250
122	1000 PFC 1/2" L-60mm	1	250
123	1000 PFC 1/2" L-60mm	1	250
124	1000 PFC 1/2" L-60mm	1	250
125	1000 PFC 1/2" L-60mm	1	250
126	1000 PFC 1/2" L-60mm	1	250
127	1000 PFC 1/2" L-60mm	1	250
128	1000 PFC 1/2" L-60mm	1	250
129	1000 PFC 1/2" L-60mm	1	250
130	1000 PFC 1/2" L-60mm	1	250
131	1000 PFC 1/2" L-60mm	1	250
132	1000 PFC 1/2" L-60mm	1	250
133	1000 PFC 1/2" L-60mm	1	250
134	1000 PFC 1/2" L-60mm	1	250
135	1000 PFC 1/2" L-60mm	1	250
136	1000 PFC 1/2" L-60mm	1	250
137	1000 PFC 1/2" L-60mm	1	250
138	1000 PFC 1/2" L-60mm	1	250
139	1000 PFC 1/2" L-60mm	1	250
140	1000 PFC 1/2" L-60mm	1	250
141	1000 PFC 1/2" L-60mm	1	250
142	1000 PFC 1/2" L-60mm	1	250
143	1000 PFC 1/2" L-60mm	1	250
144	1000 PFC 1/2" L-60mm	1	250
145	1000 PFC 1/2" L-60mm	1	250
146	1000 PFC 1/2" L-60mm	1	250
147	1000 PFC 1/2" L-60mm	1	250
148	1000 PFC 1/2" L-60mm	1	250
149	1000 PFC 1/2" L-60mm	1	250
150	1000 PFC 1/2" L-60mm	1	250
151	1000 PFC 1/2" L-60mm	1	250
152	1000 PFC 1/2" L-60mm	1	250
153	1000 PFC 1/2" L-60mm	1	250
154	1000 PFC 1/2" L-60mm	1	250
155	1000 PFC 1/2" L-60mm	1	250
156	1000 PFC 1/2" L-60mm	1	250
157	1000 PFC 1/2" L-60mm	1	250
158	1000 PFC 1/2" L-60mm	1	250
159	1000 PFC 1/2" L-60mm	1	250
160	1000 PFC 1/2" L-60mm	1	250
161	1000 PFC 1/2" L-60mm	1	250
162	1000 PFC 1/2" L-60mm	1	250
163	1000 PFC 1/2" L-60mm	1	250
164	1000 PFC 1/2" L-60mm	1	250
165	1000 PFC 1/2" L-60mm	1	250
166	1000 PFC 1/2" L-60mm	1	250
167	1000 PFC 1/2" L-60mm	1	250
168	1000 PFC 1/2" L-60mm	1	250
169	1000 PFC 1/2" L-60mm	1	250
170	1000 PFC 1/2" L-60mm	1	250
171	1000 PFC 1/2" L-60mm	1	250
172	1000 PFC 1/2" L-60mm	1	250
173	1000 PFC 1/2" L-60mm	1	250
174	1000 PFC 1/2" L-60mm	1	250
175	1000 PFC 1/2" L-60mm	1	250
176	1000 PFC 1/2" L-60mm	1	250
177	1000 PFC 1/2" L-60mm	1	250
178	1000 PFC 1/2" L-60mm	1	250
179	1000 PFC 1/2" L-60mm	1	250
180	1000 PFC 1/2" L-60mm	1	250
181	1000 PFC 1/2" L-60mm	1	250
182	1000 PFC 1/2" L-60mm	1	250
183	1000 PFC 1/2" L-60mm	1	250
184	1000 PFC 1/2" L-60mm	1	250
185	1000 PFC 1/2" L-60mm	1	250
186	1000 PFC 1/2" L-60mm	1	250
187	1000 PFC 1/2" L-60mm	1	250
188	1000 PFC 1/2" L-60mm	1	250
189	1000 PFC 1/2" L-60mm	1	250
190	1000 PFC 1/2" L-60mm	1	250
191	1000 PFC 1/2" L-60mm	1	250
192	1000 PFC 1/2" L-60mm	1	250
193	1000 PFC 1/2" L-60mm	1	250
194	1000 PFC 1/2" L-60mm	1	250
195	1000 PFC 1/2" L-60mm	1	250
196	1000 PFC 1/2" L-60mm	1	250
197	1000 PFC 1/2" L-60mm	1	250
198	1000 PFC 1/2" L-60mm	1	250
199	1000 PFC 1/2" L-60mm	1	250
200	1000 PFC 1/2" L-60mm	1	250
FSA			
201	1000 PFC 1/2" L-60mm	1	250
202	1000 PFC 1/2" L-60mm	1	250
203	1000 PFC 1/2" L-60mm	1	250
204	1000 PFC 1/2" L-60mm	1	250
205	1000 PFC 1/2" L-60mm	1	250
206	1000 PFC 1/2" L-60mm	1	250
207	1000 PFC 1/2" L-60mm	1	250
208	1000 PFC 1/2" L-60mm	1	250
209	1000 PFC 1/2" L-60mm	1	250
210	1000 PFC 1/2" L-60mm	1	250
211	1000 PFC 1/2" L-60mm	1	250
212	1000 PFC 1/2" L-60mm	1	250
213	1000 PFC 1/2" L-60mm	1	250
214	1000 PFC 1/2" L-60mm	1	250
215	1000 PFC 1/2" L-60mm	1	250
216	1000 PFC 1/2" L-60mm	1	250
217	1000 PFC 1/2" L-60mm	1	250
218	1000 PFC 1/2" L-60mm	1	250
219	1000 PFC 1/2" L-60mm	1	250
220	1000 PFC 1/2" L-60mm	1	250
221	1000 PFC 1/2" L-60mm	1	250
222	1000 PFC 1/2" L-60mm	1	250
223	1000 PFC 1/2" L-60mm	1	250
224	1000 PFC 1/2" L-60mm	1	250
225	1000 PFC 1/2" L-60mm	1	250
226	1000 PFC 1/2" L-60mm	1	250
227	1000 PFC 1/2" L-60mm	1	250
228	1000 PFC 1/2" L-60mm	1	250
229	1000 PFC 1/2" L-60mm	1	250
230	1000 PFC 1/2" L-60mm	1	250
231	1000 PFC 1/2" L-60mm	1	250
232	1000 PFC 1/2" L-60mm	1	250
233	1000 PFC 1/2" L-60mm	1	250
234	1000 PFC 1/2" L-60mm	1	250
235	1000 PFC 1/2" L-60mm	1	250
236	1000 PFC 1/2" L-60mm	1	250
237	1000 PFC 1/2" L-60mm	1	250
238	1000 PFC 1/2" L-60mm	1	250
239	1000 PFC 1/2" L-60mm	1	250
240	1000 PFC 1/2" L-60mm	1	250
241	1000 PFC 1/2" L-60mm	1	250
242	1000 PFC 1/2" L-60mm	1	250
243	1000 PFC 1/2" L-60mm	1	250
244	1000 PFC 1/2" L-60mm	1	250
245	1000 PFC 1/2" L-60mm	1	250
246	1000 PFC 1/2" L-60mm	1	250
247	1000 PFC 1/2" L-60mm	1	250
248	1000 PFC 1/2" L-60mm	1	250
249	1000 PFC 1/2" L-60mm	1	250
250	1000 PFC 1/2" L-60mm	1	250
251	1000 PFC 1/2" L-60mm	1	250
252	1000 PFC 1/2" L-60mm	1	250
253	1000 PFC 1/2" L-60mm	1	250
254	1000 PFC 1/2" L-60mm	1	250
255	1000 PFC 1/2" L-60mm	1	250
256	1000 PFC 1/2" L-60mm	1	250
257	1000 PFC 1/2" L-60mm	1	250
258	1000 PFC 1/2" L-60mm	1	250
259	1000 PFC 1/2" L-60mm	1	250
260	1000 PFC 1/2" L-60mm	1	250
261	1000 PFC 1/2" L-60mm	1	250
262	1000 PFC 1/2" L-60mm	1	250
263	1000 PFC 1/2" L-60mm	1	250
264	1000 PFC 1/2" L-60mm	1	250
265	1000 PFC 1/2" L-60mm	1	250
266	1000 PFC 1/2" L-60mm	1	250
267	1000 PFC 1/2" L-60mm	1	250
268	1000 PFC 1/2" L-60mm	1	250
269	1000 PFC 1/2" L-60mm	1	250
270	1000 PFC 1/2" L-60mm	1	250
271	1000 PFC 1/2" L-60mm	1	250
272	1000 PFC 1/2" L-60mm	1	250
273	1000 PFC 1/2" L-60mm	1	250
274	1000 PFC 1/2" L-60mm	1	250
275	1000 PFC 1/2" L-60mm	1	250
276	1000 PFC 1/2" L-60mm	1	250
277	1000 PFC 1/2" L-60mm	1	250
278	1000 PFC 1/2" L-60mm	1	250
279	1000 PFC 1/2" L-60mm	1	250
280	1000 PFC 1/2" L-60mm	1	250
281	1000 PFC 1/2" L-60mm	1	250
282	1000 PFC 1/2" L-60mm	1	250
283	1000 PFC 1/2" L-60mm	1	250
284	1000 PFC 1/2" L-60mm	1	250
285	1000 PFC 1/2" L-60mm	1	250
286	1000 PFC 1/2" L-60mm	1	250
287	1000 PFC 1/2" L-60mm	1	250
288	1000 PFC 1/2" L-60mm	1	250
289	1000 PFC 1/2" L-60mm	1	250
290	1000 PFC 1/2" L-60mm	1	250
291	1000 PFC 1/2" L-60mm	1	250
292	1000 PFC 1/2" L-60mm	1	250
293	1000 PFC 1/2" L-60mm	1	250
294	1000 PFC 1/2" L-60mm	1	250
295	1000 PFC 1/2" L-60mm	1	250
296	1000 PFC 1/2" L-60mm	1	250
297	1000 PFC 1/2" L-60mm	1	250
298	1000 PFC 1/2" L-60mm	1	250
299	1000 PFC 1/2" L-60mm	1	250
300	1000 PFC 1/2" L-60mm	1	250



UBS: O DESENHO REPRESENTA UM
CORRESPONDE AOS 02 MÓDULOS

GUARDA-CORPOS:

GUARDA-CORPO DE AÇO GALVANIZADO DE 1,10M, MONTANTES TUBULARES DE 1,1/4" ESPACIADOS DE 1,20M, TRAVESSA SUPERIOR DE 1/2". GRADIL FORMADO POR TUBOS HORIZONTAIS DE 1" E VERTICAIS DE 3/4", FIXADO COM CHUMBAOR MECÂNICO.

AF_04/2019_PS

NOTAS:

- Todas as peças em Teflon terão revestimento externo com aplicação eletrolítica de níquel.
- A interface entre as peças de alumínio e as peças de aço será feita com uma solda de alumínio.
- A interconexão de todas as partes internas é feita com metais polimerizados.
- A espessura mínima das placas dos defletores, colas e varredores deverá ser de 10mm.
- Peças, orifícios e chumbadores serão em aço inox 316.
- Todos os tubos e cones em Teflon e Delrin serão classe PN 10 e flanges e cones em aço 304.

IMPERMEABILIZAÇÃO DE SUPERFÍCIE ARGAMASSA POLIMÉRICA / MEMBRAMA ACRÍLICA

GUARDA-CORPO DE AÇO GALVANIZADO



	06	+			RESPONSABLE
	06	-			
	07	-	*		
	08	-	*		
	09	-	*		
	04	-	*		
	03	-	*		
	02	-	*		
	01	-			
	N°		HET/DRO		

Организация / Общество

SEINFRA - SECRETARIA DA INFRAESTRUTURA

PROJETO: SISTEMA DE ESGOTAMENTO SANITÁRIO
BARRIO RENATO CARDENAL

REFETURA DE SOBRAL

ADDERCO:

AIKRO KENAI O PARENIE

UNICID: 050041

DEFINITION

2000

SUBJECTS

1044

Para consultar:

