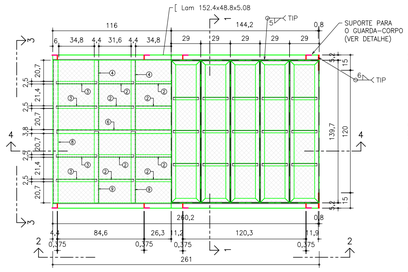
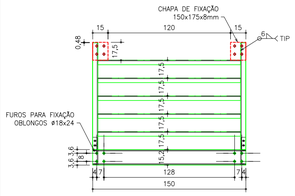
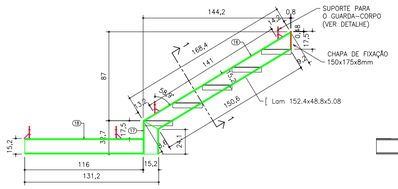
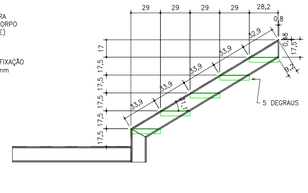
DETALHE DO LANCE 1 DA ESCADA PRINCIPAL (1x)
1/30

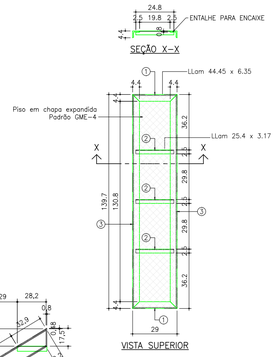


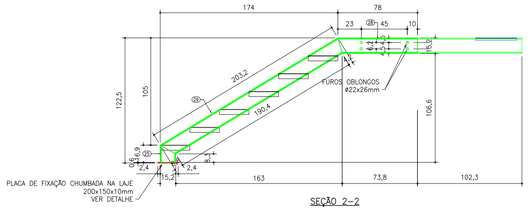


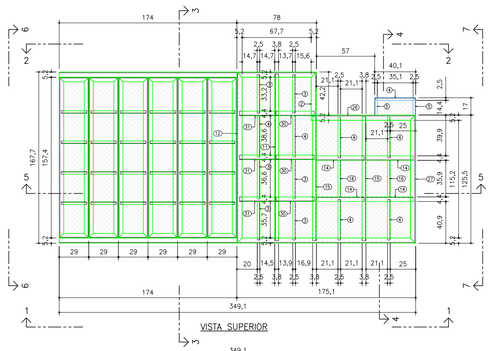


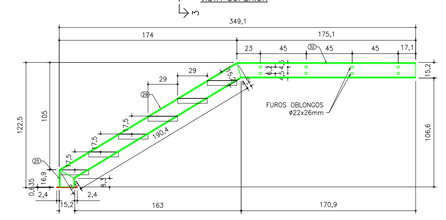


DETALHE DO DEGRAU (5x)
1/20

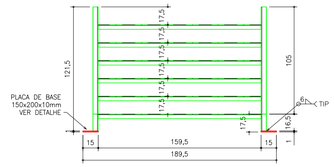


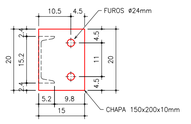


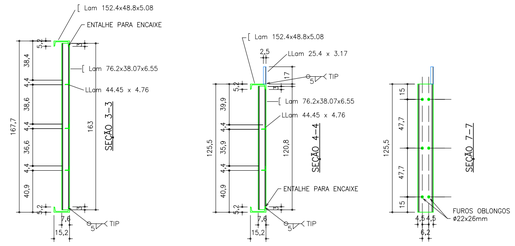


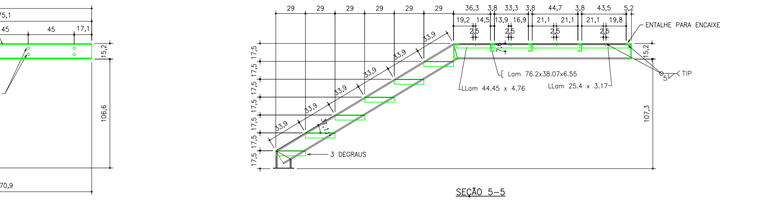


DETALHE DA PLACA DE BASE (2x)
1/10

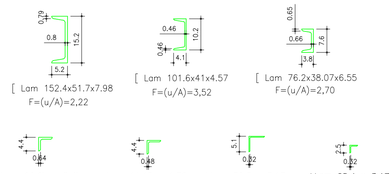








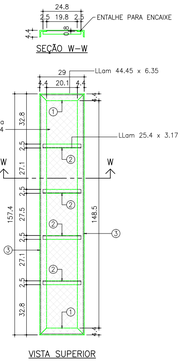
DETALHE DAS SEÇÕES DOS PERFIS
1/10



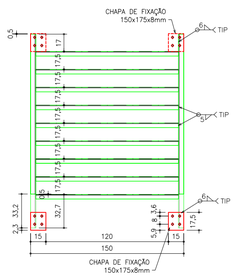
ITEM	QUANTIDADE	PERFIL	DIMENSÕES	COMPRIMENTO	PESO UNITARIO	PESO TOTAL	ÁREA DE PINTURA
			Lance 1		123,09	123,09	5,03
2	8	LLam	25.4 x 3.17	348	0.41	3.31	0.27
3	4	LLam	25.4 x 3.17	398	0.47	1.89	0.16
4	2	LLam	44.45 x 4.76	679	2.14	4.28	0.23
6	1	Lam	76.2x38.07x6.55	1120	8.33	8.33	0.31
8	1	Lam	152.4x51.7x7.98	1397	21.79	21.79	0.66
9	2	LLam	44.45 x 4.76	699	2.2	4.41	0.24
14	8	CH	3.75x45	120	0.16	1.27	0.1
15	8	CH	2.65x50	50	0.05	0.42	0.04
16	2	Lam	152.4x48.8x5.08	1684	20.55	41.09	1.39
17	2	Lam	152.4x48.8x5.08	327	3.99	7.99	0.31
18	2	Lam	152.4x48.8x5.08	1160	14.15	28.3	1.15
1	1	CH	GME-4x1152	1397	24	24	3.23
2	2	CH	7.95x150	175	1.64	3.28	0.12
	5		Degrau		15.39	76.94	3.66
1	10	LLam	44.45 x 6.35	290	1.19	11.95	0.5
2	15	LLam	25.4 x 3.17	248	0.3	4.43	0.37
3	10	LLam	44.45 x 6.35	1397	5.75	57.54	2.38
4	5	CH	GME-4x290	1397	0.6	3.02	0.41
PESO TOTAL							227.2 kgf
ÁREA DE PINTURA							12.03 m2

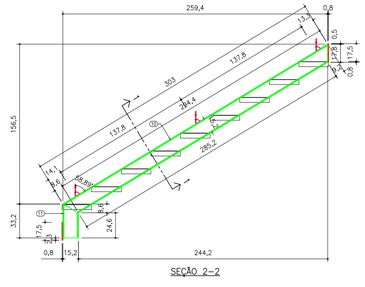
ITEM	QUANTIDADE	PERFIL	DIMENSÕES	COMPRIMENTO	PESO UNITARIO	PESO TOTAL	ÁREA DE PINTURA
	1		Patamar de saída		185.81	185.81	7.41
2	1	[Lam	152.4x51.7x7.98	422	6.58	6.58	0.2
3	6	LLam	25.4 x 3.17	377	0.45	2.69	0.22
4	7	LLam	25.4 x 3.17	401	0.47	3.31	0.27
5	2	LLam	25.4 x 3.17	170	0.2	0.4	0.03
11	1	[Lam	76.2x38.07x6.55	1630	12.13	12.13	0.45
12	1	LLam	44.45 x 6.35	1574	6.48	6.48	0.27
14	4	LLam	44.45 x 4.76	473	1.49	5.96	0.33
15	2	[Lam	76.2x38.07x6.55	1213	9.02	18.05	0.67
16	2	LLam	25.4 x 3.17	359	0.43	0.85	0.07
21	2	CH	6.35x100	200	1	1.99	0.09
25	2	[Lam	152.4x48.8x5.08	169	2.06	4.12	0.17
26	1	[Lam	152.4x51.7x7.98	1023	15.96	15.96	0.49
27	1	[Lam	152.4x51.7x7.98	1255	19.58	19.58	0.6
28	1	[Lam	152.4x48.8x5.08	780	9.52	9.52	0.37
29	2	[Lam	152.4x48.8x5.08	2032	24.79	49.59	1.92
30	3	LLam	44.45 x 4.76	375	1.18	3.54	0.2
31	3	LLam	44.45 x 4.76	344	1.08	3.25	0.18
32	1	[Lam	152.4x48.8x5.08	1751	21.37	21.37	0.83
33	1	CH	1.9x162.53	175	0.42	0.42	0.06
	6		Degrau		17.22	103.31	4.96
1	12	LLam	44.45 x 6.35	290	1.19	14.34	0.6
2	24	LLam	25.4 x 3.17	248	0.3	7.09	0.59
3	12	LLam	44.45 x 6.35	1574	6.48	77.8	3.22
4	6	CH	GME-4x289.97	1574	0.68	4.08	0.56
PESO TOTAL							289.12 kgf
ÁREA DE PINTURA							12.37 m2

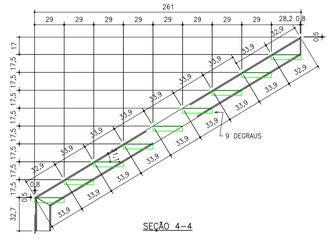
DETALHE DO DEGRAU (6x)
1/20

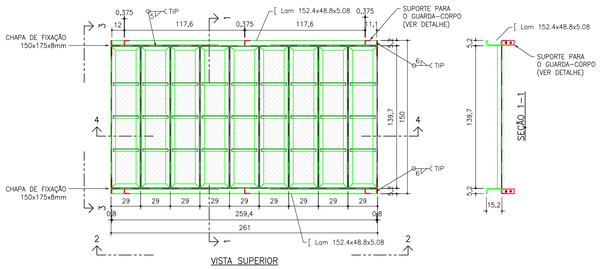


DETALHE DOS LANCES DA ESCADA PRINCIPAL (9x)
1/30

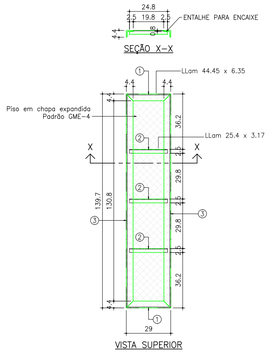




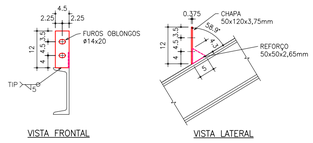




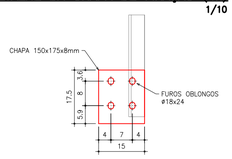
DETALHE DO DEGRAU (9x)
1/20



DETALHE DO SUPORTE DO GUARDA-CORPO DOS LANCES
1/10



DETALHE DA CHAPA DE FIXAÇÃO (4x)
1/10



ITEM	QUANTIDADE	PERFIL	DIMENSÕES	COMPRIMENTO	PESO UNITARIO	PESO TOTAL	ÁREA DE PINTURA
	9		Lance		89.85	808.65	31.63
6	36	CH	7.95x150	175	1.64	58.98	2.08
8	54	CH	3.75x45	120	0.16	8.58	0.65
9	54	CH	2.65x50	50	0.05	2.81	0.3
10	18	[Lam	152.4x48.8x5.08	3030	36.96	665.32	25.73
11	15	[Lam	152.4x48.8x5.08	332	4.05	72.96	2.87
	81		Degrau		15.39	1246.45	59.34
1	162	LLam	44.45 x 6.35	290	1.19	193.56	8.14
2	243	LLam	25.4 x 3.17	248	0.3	71.83	5.96
3	162	LLam	44.45 x 6.35	1397	5.75	932.13	38.55
4	81	CH	GME-4x290	1397	0.6	48.93	6.69
PESO TOTAL							2055.1 kgf
ÁREA DE PINTURA							90.97 m2

RESUMO DE MATERIAIS DOS LANCES E PATAMARES DA ESCADA PRINCIPAL

PESO DE AÇO (com quebra de 5%): 6654,5 kgf
ÁREA DE PINTURA (sem quebra): 336,3 m2

ESCRITÓRIO MODELO DE ENGENHARIA - UFSM

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ALMIR BARROS DA SILVA SANTOS NETO
Data: 09/11/2023 14:35:24-0300
Verifique em https://validar.iti.gov.br

Eng. civil André Lübeck
SIAPE: 1692336 / CREARS: 140441

Eng. civil Almir Barros da Silva Santos Neto
SIAPE: 2300182 / CREARS: 092776

RESPONSÁVEIS TÉCNICOS:

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CLIENTE:
PREFEITURA MUNICIPAL DE SANTA MARIA

PROJETO:
PROJETO ESTRUTURAL
Escada metálica e passarela de evacuação

Revisão: 00
Data: 04/11/2023
Escala: Indicada
PRANCHA Nº: EST 07/30

PRANCHA:
Detalhamento dos lances e patamares da escada principal

ENDEREÇO:
Centro Administrativo Municipal, Rua Venâncio Aires, nº 2277, Santa Maria, RS

840x594