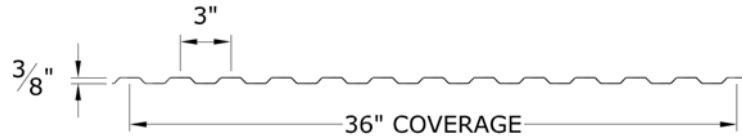




Mini-Rib

(Painted Galvalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/ft.	P _{a,end} lbs/ft.	P _{a,int} lbs/ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.
29	80.0	0.70	0.7380	521.40	718.00	0.0030	0.0163	0.5900	0.0030	0.0156	0.5600

1. Section properties are calculated in accordance with the 2004 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a is the allowable bending moment.
7. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
Single	Positive Wind	251	174	128	98	77	62	52	43	37	32	27	24	21	19	17	15
	Negative Wind	238	165	121	93	73	59	49	41	35	30	26	23	20	18	16	14
	Live	251	174	128	98	77	62	52	43	37	32	27	24	21	19	17	15
	Deflection (L/180)	134	77	48	32	23	16	12	9	7	6	4	4	3	2	2	2
	Deflection (L/240)	100	58	36	24	17	12	9	7	5	4	3	3	2	2	1	1
2 Span	Positive Wind	231	162	119	92	73	59	49	41	35	30	26	23	20	18	16	14
	Negative Wind	243	170	126	96	76	62	51	43	37	31	27	24	21	19	17	15
	Live	231	162	119	92	73	59	49	41	35	30	26	23	20	18	16	14
	Deflection (L/180)	323	187	117	78	55	40	30	23	18	14	11	9	8	6	5	5
	Deflection (L/240)	242	140	88	59	41	30	22	17	13	11	8	7	6	5	4	3
3 Span	Positive Wind	285	201	148	114	90	73	61	51	43	37	33	29	25	22	20	18
	Negative Wind	299	211	156	120	95	77	64	54	46	39	34	30	27	24	21	19
	Live	285	201	148	114	90	73	61	51	43	37	33	29	25	22	20	18
	Deflection (L/180)	253	146	92	61	43	31	23	18	14	11	9	7	6	5	4	3
	Deflection (L/240)	190	109	69	46	32	23	17	13	10	8	7	5	4	4	3	2
4 Span	Positive Wind	267	188	139	107	84	68	57	48	40	35	30	27	24	21	19	17
	Negative Wind	281	197	146	112	89	72	60	50	43	37	32	28	25	22	20	18
	Live	267	188	139	107	84	68	57	48	40	35	30	27	24	21	19	17
	Deflection (L/180)	268	155	98	65	46	33	25	19	15	12	9	8	6	5	4	4
	Deflection (L/240)	201	116	73	49	34	25	18	14	11	9	7	6	5	4	3	3

Notes:

1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is **NOT** increased by 33 1/3 %.
3. Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
4. Live is the allowable live or snow load.
5. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
6. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
7. The weight of the panel has **NOT** been deducted from the allowable loads.
8. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
9. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
11. Load Tables are limited to a maximum allowable load of 500 psf.