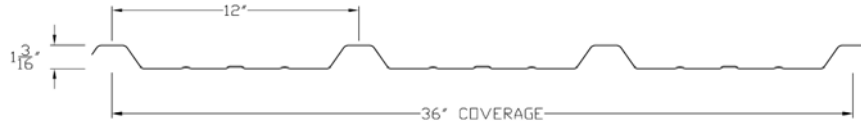




Multi-Rib

Bare Galvalume & 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.
26	50.0	0.87	0.541	113.9	199.2	0.038	0.0418	1.25	0.023	0.0364	1.091

1. Section properties are calculated in accordance with the 2001 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															
		1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	370	208	133	92	68	52	41	33	27	23	19	17	14	13	11	10
	Negative Wind	323	181	116	80	59	45	35	29	24	20	17	14	12	11	10	8
	Live	370	208	133	92	68	52	41	33	27	23	19	17	14	13	11	10
	Deflection (L/180)	500	415	212	123	77	51	36	26	19	15	12	9	7	6	5	4
	Deflection (L/240)	500	311	159	92	58	38	27	19	14	11	9	7	5	4	4	3
2 Span	Positive Wind	282	167	110	77	57	44	35	28	23	20	17	14	12	11	10	8
	Negative Wind	311	187	124	88	65	50	40	32	27	22	19	16	14	12	11	10
	Live	282	167	110	77	57	44	35	28	23	20	17	14	12	11	10	8
	Deflection (L/180)	500	500	410	237	149	100	70	51	38	29	23	18	15	12	10	8
	Deflection (L/240)	500	500	308	178	112	75	52	38	28	22	17	14	11	9	7	6
3 Span	Positive Wind	335	202	134	95	71	55	43	35	29	24	21	18	16	14	12	11
	Negative Wind	366	225	151	108	80	62	49	40	33	28	24	20	18	16	14	12
	Live	335	202	134	95	71	55	43	35	29	24	21	18	16	14	12	11
	Deflection (L/180)	500	500	321	186	117	78	55	40	30	23	18	14	11	9	8	6
	Deflection (L/240)	500	471	241	139	88	58	41	30	22	17	13	11	8	7	6	5
4 Span	Positive Wind	318	191	126	89	66	51	40	33	27	23	19	17	14	13	11	10
	Negative Wind	349	213	142	101	75	58	46	37	31	26	22	19	17	15	13	11
	Live	318	191	126	89	66	51	40	33	27	23	19	17	14	13	11	10
	Deflection (L/180)	500	500	341	197	124	83	58	42	32	24	19	15	12	10	8	7
	Deflection (L/240)	500	500	256	148	93	62	43	32	24	18	14	11	9	7	6	5

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.