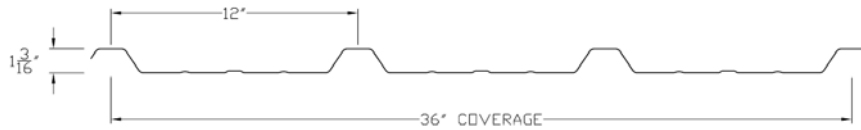




# Multi-Rib

## Bare Galvalume & Painted Galvalume



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (ksi)	WEIGHT (psf)	V <sub>a</sub> (kip/ft.)	P <sub>a_end</sub> (lbs/ft.)	P <sub>a_int</sub> (lbs/ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (kip-in./ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (kip-in./ft.)
26	80.0	0.85	0.5590	171.4	225.6	0.032	0.034	1.011	0.020	0.030	0.911

1. Section properties are calculated in accordance with the 2016 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V<sub>a</sub> is the allowable shear.
3. P<sub>a</sub> is the allowable load for web crippling on end & interior supports.
4. I<sub>x</sub> is for deflection determination.
5. S<sub>e</sub> is for bending.
6. M<sub>a</sub> is the allowable bending moment.
7. All values are for one foot of panel width.

## Allowable Uniform Loads (PSF)

		Span in Feet															
Span Type	Load Type	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	299	168	107	74	55	42	33	26	22	18	15	13	11	10	9	8
	Negative Wind	270	151	97	67	49	37	30	24	20	16	14	12	10	9	8	7
	Live	299	168	107	74	55	42	33	26	22	18	15	13	11	10	9	8
	Deflection (L/180)	500	349	179	103	65	43	30	22	16	12	10	8	6	5	4	3
	Deflection (L/240)	500	262	134	77	48	32	23	16	12	9	7	6	4	4	3	2
2 Span	Positive Wind	245	143	93	65	48	37	29	24	19	16	14	12	10	9	8	7
	Negative Wind	267	157	103	72	53	41	32	26	22	18	15	13	11	10	9	8
	Live	245	143	93	65	48	37	29	24	19	16	14	12	10	9	8	7
	Deflection (L/180)	500	500	352	204	128	86	60	44	33	25	20	16	13	10	8	7
	Deflection (L/240)	500	500	264	153	96	64	45	33	24	19	15	12	9	8	6	5
3 Span	Positive Wind	296	175	115	81	60	46	36	29	24	20	17	15	13	11	10	9
	Negative Wind	320	191	126	89	66	51	40	33	27	23	19	17	14	13	11	10
	Live	296	175	115	81	60	46	36	29	24	20	17	15	13	11	10	9
	Deflection (L/180)	500	500	276	159	100	67	47	34	25	19	15	12	10	8	7	5
	Deflection (L/240)	500	404	207	119	75	50	35	25	19	14	11	9	7	6	5	4
4 Span	Positive Wind	280	165	108	76	56	43	34	28	23	19	16	14	12	11	9	8
	Negative Wind	303	180	119	84	62	48	38	31	25	21	18	15	13	12	10	9
	Live	280	165	108	76	56	43	34	28	23	19	16	14	12	11	9	8
	Deflection (L/180)	500	500	293	169	106	71	50	36	27	21	16	13	10	8	7	6
	Deflection (L/240)	500	429	219	127	80	53	37	27	20	15	12	10	8	6	5	4

**Notes:**

1. Allowable uniform loads are based upon equal span lengths.
2. Live is the allowable live or snow load.
3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
5. The weight of the panel has **NOT** been deducted from the allowable loads.
6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification.
7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
8. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
9. Load Tables are limited to a maximum allowable load of 500 psf.