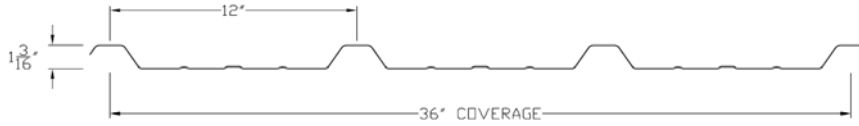




# Multi-Rib

## Bare 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.
29	80.0	0.70	0.319	74.2	137.5	0.024	0.0258	0.926	0.016	0.0249	0.895

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<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 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	274	154	98	68	50	38	30	24	20	17	14	12	10	9	8	7
	Negative Wind	265	149	95	66	48	37	29	23	19	16	14	12	10	9	8	7
	Live	274	154	98	68	50	38	30	24	20	17	14	12	10	9	8	7
	Deflection (L/180)	500	262	134	77	48	32	23	16	12	9	7	6	4	4	3	2
	Deflection (L/240)	466	196	100	58	36	24	17	12	9	7	5	4	3	3	2	2
2 Span	Positive Wind	209	128	86	61	46	35	28	23	19	16	13	12	10	9	8	7
	Negative Wind	213	132	88	63	47	36	29	24	19	16	14	12	10	9	8	7
	Live	209	128	86	61	46	35	28	23	19	16	13	12	10	9	8	7
	Deflection (L/180)	500	500	269	155	98	65	46	33	25	19	15	12	9	8	6	5
	Deflection (L/240)	500	394	202	116	73	49	34	25	18	14	11	9	7	6	5	4
3 Span	Positive Wind	242	152	104	75	56	43	35	28	23	20	17	14	13	11	10	9
	Negative Wind	246	156	106	77	58	45	36	29	24	20	17	15	13	11	10	9
	Live	242	152	104	75	56	43	35	28	23	20	17	14	13	11	10	9
	Deflection (L/180)	500	412	211	122	76	51	36	26	19	15	12	9	7	6	5	4
	Deflection (L/240)	500	309	158	91	57	38	27	19	14	11	9	7	5	4	4	3
4 Span	Positive Wind	231	145	98	70	53	41	32	26	22	18	16	13	12	10	9	8
	Negative Wind	236	148	101	72	54	42	34	27	23	19	16	14	12	11	9	8
	Live	231	145	98	70	53	41	32	26	22	18	16	13	12	10	9	8
	Deflection (L/180)	500	437	224	129	81	54	38	28	21	16	12	10	8	6	5	4
	Deflection (L/240)	500	328	168	97	61	41	28	21	15	12	9	7	6	5	4	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.