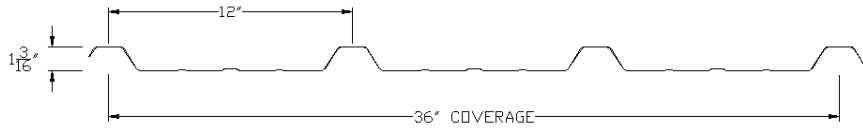




# Multi-Rib PB

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	0.90	0.6910	211.0	278.8	0.034	0.036	1.092	0.022	0.035	1.046

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	323	181	116	80	59	45	35	29	24	20	17	14	12	11	10	8
	Negative Wind	309	174	111	77	56	43	34	27	23	19	16	14	12	10	9	8
	Live	323	181	116	80	59	45	35	29	24	20	17	14	12	11	10	8
	Deflection (L/180)	500	375	192	111	69	46	32	24	18	13	10	8	7	5	4	4
	Deflection (L/240)	500	281	144	83	52	35	24	18	13	10	8	6	5	4	3	3
2 Span	Positive Wind	285	166	108	75	56	43	34	27	22	19	16	14	12	10	9	8
	Negative Wind	296	172	112	78	58	44	35	28	23	20	17	14	12	11	10	8
	Live	285	166	108	75	56	43	34	27	22	19	16	14	12	10	9	8
	Deflection (L/180)	500	500	381	220	139	93	65	47	35	27	21	17	14	11	9	8
	Deflection (L/240)	500	500	286	165	104	69	49	35	26	20	16	13	10	8	7	6
3 Span	Positive Wind	345	203	133	93	69	53	42	34	28	24	20	17	15	13	12	10
	Negative Wind	357	211	138	97	72	55	44	35	29	25	21	18	16	14	12	11
	Live	345	203	133	93	69	53	42	34	28	24	20	17	15	13	12	10
	Deflection (L/180)	500	500	299	173	109	73	51	37	28	21	17	13	11	9	7	6
	Deflection (L/240)	500	438	224	129	81	54	38	28	21	16	12	10	8	6	5	4
4 Span	Positive Wind	326	191	125	87	65	50	39	32	26	22	19	16	14	12	11	10
	Negative Wind	337	198	130	91	67	52	41	33	27	23	19	17	15	13	11	10
	Live	326	191	125	87	65	50	39	32	26	22	19	16	14	12	11	10
	Deflection (L/180)	500	500	317	183	115	77	54	39	29	22	18	14	11	9	8	6
	Deflection (L/240)	500	465	238	137	86	58	40	29	22	17	13	10	8	7	6	5

**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.