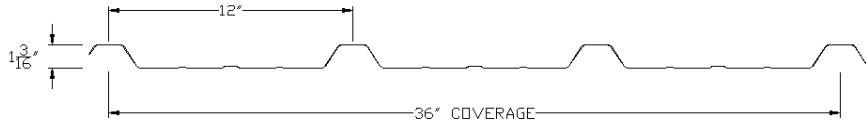




Multi-Rib PB

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	0.90	0.631	132.9	232.4	0.039	0.0433	1.296	0.025	0.0398	1.191

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	384	216	138	96	70	54	42	34	28	24	20	17	15	13	11	10
	Negative Wind	352	198	127	88	64	49	39	31	26	22	18	16	14	12	10	9
	Live	384	216	138	96	70	54	42	34	28	24	20	17	15	13	11	10
	Deflection (L/180)	500	426	218	126	79	53	37	27	20	15	12	9	8	6	5	4
	Deflection (L/240)	500	319	163	94	59	39	28	20	15	11	9	7	6	4	4	3
2 Span	Positive Wind	312	184	121	85	63	48	38	31	25	21	18	16	14	12	10	9
	Negative Wind	333	198	130	92	68	52	41	34	28	23	20	17	15	13	11	10
	Live	312	184	121	85	63	48	38	31	25	21	18	16	14	12	10	9
	Deflection (L/180)	500	500	431	249	157	105	73	53	40	31	24	19	15	13	10	9
	Deflection (L/240)	500	500	323	187	117	78	55	40	30	23	18	14	11	9	8	6
3 Span	Positive Wind	373	224	148	105	78	60	47	39	32	27	23	20	17	15	13	12
	Negative Wind	396	240	159	113	84	65	51	42	35	29	25	21	19	16	14	13
	Live	373	224	148	105	78	60	47	39	32	27	23	20	17	15	13	12
	Deflection (L/180)	500	500	337	195	123	82	57	42	31	24	19	15	12	10	8	7
	Deflection (L/240)	500	494	253	146	92	61	43	31	23	18	14	11	9	7	6	5
4 Span	Positive Wind	353	211	139	98	73	56	44	36	30	25	21	18	16	14	12	11
	Negative Wind	376	226	150	106	79	61	48	39	32	27	23	20	17	15	13	12
	Live	353	211	139	98	73	56	44	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	500	358	207	130	87	61	44	33	25	20	16	13	10	9	7
	Deflection (L/240)	500	500	268	155	98	65	46	33	25	19	15	12	9	8	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.