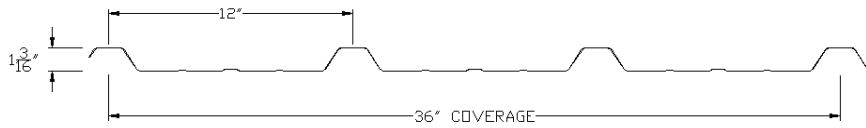




Multi-Rib PB

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	80.0	0.90	0.691	159.5	278.8	0.038	0.0416	1.495	0.024	0.0382	1.373

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	442	249	159	110	81	62	49	39	32	27	23	20	17	15	13	12
	Negative Wind	406	228	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Live	442	249	159	110	81	62	49	39	32	27	23	20	17	15	13	12
	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	356	211	139	98	72	56	44	36	29	25	21	18	16	14	12	11
	Negative Wind	379	227	150	106	78	60	48	39	32	27	23	20	17	15	13	12
	Live	356	211	139	98	72	56	44	36	29	25	21	18	16	14	12	11
	Deflection (L/180)	500	500	417	241	152	101	71	52	39	30	23	19	15	12	10	8
	Deflection (L/240)	500	500	313	181	114	76	53	39	29	22	17	14	11	9	7	6
3 Span	Positive Wind	423	256	170	120	89	69	55	44	37	31	26	23	20	17	15	14
	Negative Wind	449	273	182	130	97	75	59	48	40	34	29	25	21	19	17	15
	Live	423	256	170	120	89	69	55	44	37	31	26	23	20	17	15	14
	Deflection (L/180)	500	500	327	189	119	79	56	40	30	23	18	14	12	9	8	7
	Deflection (L/240)	500	479	245	142	89	59	42	30	23	17	13	11	9	7	6	5
4 Span	Positive Wind	402	241	159	113	84	64	51	41	34	29	25	21	18	16	14	13
	Negative Wind	427	258	172	122	91	70	55	45	37	31	27	23	20	18	15	14
	Live	402	241	159	113	84	64	51	41	34	29	25	21	18	16	14	13
	Deflection (L/180)	500	500	347	201	126	84	59	43	32	25	19	15	12	10	8	7
	Deflection (L/240)	500	500	260	150	94	63	44	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.