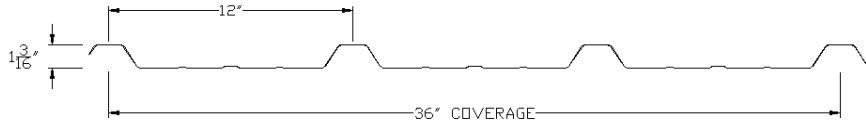




Multi-Rib PB

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.
24	50.0	1.13	0.901	221.3	374.2	0.053	0.0594	1.78	0.033	0.0539	1.61

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	500	296	189	131	96	74	58	47	39	32	28	24	21	18	16	14
	Negative Wind	477	268	171	119	87	67	53	42	35	29	25	21	19	16	14	13
	Live	500	296	189	131	96	74	58	47	39	32	28	24	21	18	16	14
	Deflection (L/180)	500	500	296	171	108	72	50	37	27	21	16	13	10	9	7	6
	Deflection (L/240)	500	434	222	128	81	54	38	27	20	16	12	10	8	6	5	4
2 Span	Positive Wind	427	251	164	115	85	65	52	42	35	29	25	21	18	16	14	13
	Negative Wind	462	274	180	127	94	72	57	46	38	32	27	24	20	18	16	14
	Live	427	251	164	115	85	65	52	42	35	29	25	21	18	16	14	13
	Deflection (L/180)	500	500	500	335	211	141	99	72	54	41	32	26	21	17	14	12
	Deflection (L/240)	500	500	434	251	158	106	74	54	40	31	24	19	16	13	11	9
3 Span	Positive Wind	500	306	202	142	106	81	64	52	43	36	31	27	23	20	18	16
	Negative Wind	500	332	220	156	116	90	71	58	48	40	34	29	26	23	20	18
	Live	500	306	202	142	106	81	64	52	43	36	31	27	23	20	18	16
	Deflection (L/180)	500	500	453	262	165	110	77	56	42	32	25	20	16	13	11	9
	Deflection (L/240)	500	500	340	197	124	83	58	42	31	24	19	15	12	10	8	7
4 Span	Positive Wind	485	288	189	133	99	76	60	49	40	34	29	25	22	19	17	15
	Negative Wind	500	313	207	146	109	84	66	54	45	38	32	28	24	21	19	17
	Live	485	288	189	133	99	76	60	49	40	34	29	25	22	19	17	15
	Deflection (L/180)	500	500	481	278	175	117	82	60	45	34	27	21	17	14	12	10
	Deflection (L/240)	500	500	361	209	131	88	61	45	33	26	20	16	13	11	9	7

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.