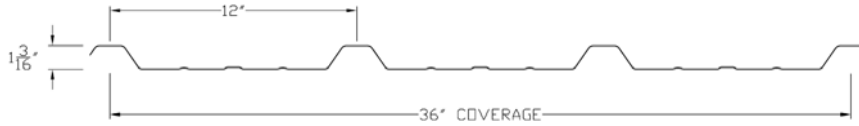




Multi-Rib

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	1.10	0.773	189.7	320.8	0.052	0.0575	1.723	0.031	0.0495	1.483

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	287	183	127	93	71	56	45	37	31	27	23	20	17	15	14
	Negative Wind	439	247	158	109	80	61	48	39	32	27	23	20	17	15	13	12
	Live	500	287	183	127	93	71	56	45	37	31	27	23	20	17	15	14
	Deflection (L/180)	500	500	290	168	106	71	49	36	27	21	16	13	10	8	7	6
	Deflection (L/240)	500	426	218	126	79	53	37	27	20	15	12	9	8	6	5	4
2 Span	Positive Wind	387	229	150	106	78	60	48	39	32	27	23	20	17	15	13	12
	Negative Wind	434	260	172	121	90	69	55	45	37	31	26	23	20	17	15	14
	Live	387	229	150	106	78	60	48	39	32	27	23	20	17	15	13	12
	Deflection (L/180)	500	500	500	323	203	136	95	69	52	40	31	25	20	17	14	11
	Deflection (L/240)	500	500	419	242	152	102	71	52	39	30	23	19	15	12	10	8
3 Span	Positive Wind	462	278	184	130	97	75	59	48	40	33	28	24	21	19	16	15
	Negative Wind	500	313	209	149	111	86	68	56	46	39	33	28	25	22	19	17
	Live	462	278	184	130	97	75	59	48	40	33	28	24	21	19	16	15
	Deflection (L/180)	500	500	438	253	159	106	75	54	41	31	24	19	16	13	11	9
	Deflection (L/240)	500	500	328	190	119	80	56	41	30	23	18	14	12	10	8	7
4 Span	Positive Wind	438	262	173	122	91	70	55	45	37	31	27	23	20	17	15	14
	Negative Wind	487	296	197	140	104	81	64	52	43	36	31	27	23	20	18	16
	Live	438	262	173	122	91	70	55	45	37	31	27	23	20	17	15	14
	Deflection (L/180)	500	500	465	269	169	113	79	58	43	33	26	21	17	14	11	9
	Deflection (L/240)	500	500	348	201	127	85	59	43	32	25	19	15	12	10	8	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.