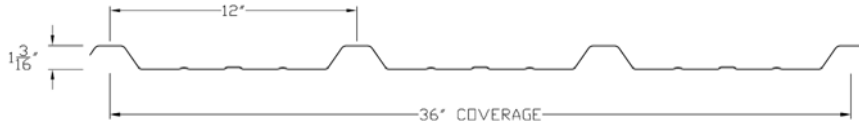




Multi-Rib

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.
22	50.0	1.43	1.007	326.6	540.2	0.07	0.0820	2.45	0.04	0.0702	2.10

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	408	261	181	133	102	80	65	53	45	38	33	29	25	22	20
	Negative Wind	500	350	224	155	114	87	69	56	46	38	33	28	24	21	19	17
	Live	500	408	261	181	133	102	80	65	53	45	38	33	29	25	22	20
	Deflection (L/180)	500	500	391	226	142	95	67	48	36	28	22	17	14	11	9	8
	Deflection (L/240)	500	500	293	169	107	71	50	36	27	21	16	13	10	8	7	6
2 Span	Positive Wind	500	321	211	149	110	85	67	55	45	38	32	28	24	21	19	17
	Negative Wind	500	364	242	171	128	98	78	64	53	44	38	32	28	25	22	20
	Live	500	321	211	149	110	85	67	55	45	38	32	28	24	21	19	17
	Deflection (L/180)	500	500	500	428	270	180	127	92	69	53	42	33	27	22	18	15
	Deflection (L/240)	500	500	500	321	202	135	95	69	52	40	31	25	20	16	14	11
3 Span	Positive Wind	500	387	258	183	136	105	84	68	56	47	40	35	30	27	24	21
	Negative Wind	500	436	293	210	157	122	97	79	65	55	47	41	35	31	27	24
	Live	500	387	258	183	136	105	84	68	56	47	40	35	30	27	24	21
	Deflection (L/180)	500	500	500	335	211	141	99	72	54	41	33	26	21	17	14	12
	Deflection (L/240)	500	500	435	251	158	106	74	54	40	31	24	19	16	13	11	9
4 Span	Positive Wind	500	366	243	172	128	99	78	64	53	44	38	33	28	25	22	20
	Negative Wind	500	413	277	197	147	114	91	74	61	51	44	38	33	29	26	23
	Live	500	366	243	172	128	99	78	64	53	44	38	33	28	25	22	20
	Deflection (L/180)	500	500	500	356	224	150	105	77	57	44	35	28	22	18	15	13
	Deflection (L/240)	500	500	462	267	168	112	79	57	43	33	26	21	17	14	11	9

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.