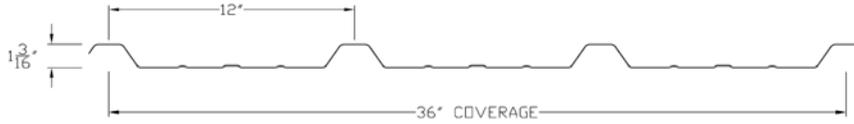




Multi-Rib

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	0.87	0.592	136.7	239.0	0.037	0.0400	1.436	0.023	0.0349	1.254

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	425	239	153	106	78	59	47	38	31	26	22	19	17	14	13	11
	Negative Wind	371	209	133	92	68	52	41	33	27	23	19	17	14	13	11	10
	Live	425	239	153	106	78	59	47	38	31	26	22	19	17	14	13	11
	Deflection (L/180)	500	404	206	119	75	50	35	25	19	14	11	9	7	6	5	4
	Deflection (L/240)	500	303	155	89	56	37	26	19	14	11	8	7	5	4	3	3
2 Span	Positive Wind	320	191	126	89	66	51	40	32	27	22	19	16	14	12	11	10
	Negative Wind	352	213	142	100	75	58	46	37	31	26	22	19	16	14	13	11
	Live	320	191	126	89	66	51	40	32	27	22	19	16	14	12	11	10
	Deflection (L/180)	500	500	404	233	147	98	69	50	37	29	23	18	14	12	10	8
	Deflection (L/240)	500	500	303	175	110	74	51	37	28	21	17	13	11	9	7	6
3 Span	Positive Wind	379	230	153	109	81	63	50	40	33	28	24	21	18	16	14	12
	Negative Wind	413	255	172	123	92	71	57	46	38	32	27	24	21	18	16	14
	Live	379	230	153	109	81	63	50	40	33	28	24	21	18	16	14	12
	Deflection (L/180)	500	500	316	183	115	77	54	39	29	22	18	14	11	9	8	6
	Deflection (L/240)	500	463	237	137	86	57	40	29	22	17	13	10	8	7	6	5
4 Span	Positive Wind	360	218	144	102	76	59	47	38	31	26	22	19	17	15	13	11
	Negative Wind	394	242	162	115	86	67	53	43	36	30	26	22	19	17	15	13
	Live	360	218	144	102	76	59	47	38	31	26	22	19	17	15	13	11
	Deflection (L/180)	500	500	336	194	122	82	57	42	31	24	19	15	12	10	8	7
	Deflection (L/240)	500	492	252	145	91	61	43	31	23	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.