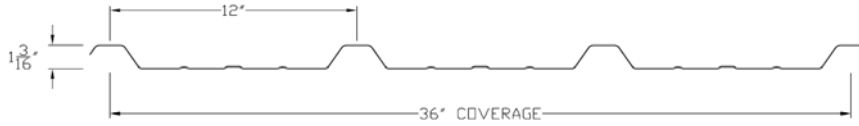




Multi-Rib

Bare 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	0.559	128.4	225.6	0.035	0.0381	1.37	0.022	0.0337	1.21

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	405	228	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Negative Wind	358	201	129	89	65	50	39	32	26	22	19	16	14	12	11	9
	Live	405	228	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	382	195	113	71	47	33	24	18	14	11	8	7	5	4	4
	Deflection (L/240)	500	286	146	84	53	35	25	18	13	10	8	6	5	4	3	3
2 Span	Positive Wind	307	183	121	85	63	49	39	31	26	22	18	16	14	12	11	9
	Negative Wind	335	203	135	96	71	55	43	35	29	25	21	18	16	14	12	11
	Live	307	183	121	85	63	49	39	31	26	22	18	16	14	12	11	9
	Deflection (L/180)	500	500	384	222	139	93	65	48	36	27	21	17	14	11	9	8
	Deflection (L/240)	500	500	288	166	104	70	49	36	27	20	16	13	10	8	7	6
3 Span	Positive Wind	363	221	148	105	78	60	48	39	32	27	23	20	17	15	13	12
	Negative Wind	392	243	164	117	87	68	54	44	36	31	26	22	20	17	15	13
	Live	363	221	148	105	78	60	48	39	32	27	23	20	17	15	13	12
	Deflection (L/180)	500	500	300	174	109	73	51	37	28	21	17	13	11	9	7	6
	Deflection (L/240)	500	440	225	130	82	55	38	28	21	16	12	10	8	6	5	4
4 Span	Positive Wind	345	209	139	98	73	56	45	36	30	25	22	19	16	14	12	11
	Negative Wind	374	230	154	110	82	63	50	41	34	29	24	21	18	16	14	13
	Live	345	209	139	98	73	56	45	36	30	25	22	19	16	14	12	11
	Deflection (L/180)	500	500	319	184	116	77	54	39	29	23	18	14	11	9	8	6
	Deflection (L/240)	500	467	239	138	87	58	41	29	22	17	13	10	8	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.