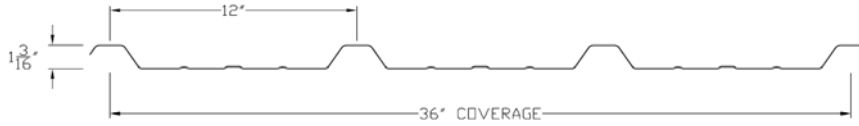




Multi-Rib

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.
29	80.0	0.70	0.363	82.1	150.5	0.026	0.0276	0.993	0.017	0.0263	0.944

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	294	165	105	73	54	41	32	26	21	18	15	13	11	10	9	8
	Negative Wind	279	157	100	69	51	39	31	25	20	17	14	12	11	9	8	7
	Live	294	165	105	73	54	41	32	26	21	18	15	13	11	10	9	8
	Deflection (L/180)	500	284	145	84	53	35	24	18	13	10	8	6	5	4	3	3
	Deflection (L/240)	500	213	109	63	39	26	18	13	10	7	6	4	4	3	2	2
2 Span	Positive Wind	226	138	92	65	49	37	30	24	20	17	14	12	11	9	8	7
	Negative Wind	234	143	96	68	51	39	31	25	21	18	15	13	11	10	9	8
	Live	226	138	92	65	49	37	30	24	20	17	14	12	11	9	8	7
	Deflection (L/180)	500	500	289	167	105	70	49	36	27	20	16	13	10	8	7	6
	Deflection (L/240)	500	424	217	125	79	53	37	27	20	15	12	9	8	6	5	4
3 Span	Positive Wind	264	164	111	80	60	46	37	30	25	21	18	15	13	12	10	9
	Negative Wind	271	170	116	83	62	48	39	31	26	22	19	16	14	12	11	10
	Live	264	164	111	80	60	46	37	30	25	21	18	15	13	12	10	9
	Deflection (L/180)	500	443	226	131	82	55	38	28	21	16	12	10	8	6	5	4
	Deflection (L/240)	500	332	170	98	62	41	29	21	15	12	9	7	6	5	4	3
4 Span	Positive Wind	252	156	105	75	56	43	34	28	23	19	17	14	12	11	10	8
	Negative Wind	260	162	109	78	59	45	36	29	24	20	17	15	13	11	10	9
	Live	252	156	105	75	56	43	34	28	23	19	17	14	12	11	10	8
	Deflection (L/180)	500	470	240	139	87	58	41	30	22	17	13	10	8	7	6	5
	Deflection (L/240)	500	352	180	104	65	44	30	22	16	13	10	8	6	5	4	3

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.