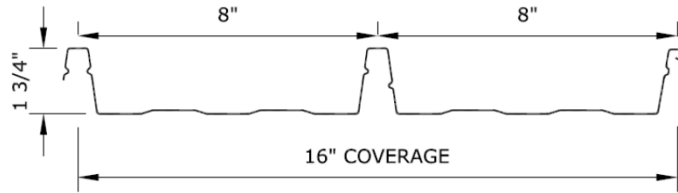




# Mirage II

(Bare Galvalume & Painted Galvalume)



SECTION PROPERTIES				TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V <sub>a</sub> (kip/ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (kip-in./ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (kip-in./ft.)
24	50.0	1.39	1.5020	0.1540	0.1193	3.7780	0.1380	0.2333	3.4550

1. Section properties are calculated with the 2007 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V<sub>a</sub> is the allowable shear.
3. I<sub>x</sub> is for deflection determination.
4. S<sub>e</sub> is for bending.
5. M<sub>a</sub> is the allowable bending moment.
6. All values are for one foot of panel width.

## Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		1.00	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
Single	Positive Wind	500	500	500	402	279	205	157	124	100	83	69	59	51	44	39	34
	Live	500	500	500	402	279	205	157	124	100	83	69	59	51	44	39	34
	Deflection (L/180)	500	500	500	500	498	313	210	147	107	80	62	49	39	31	26	21
	Deflection (L/240)	500	500	500	500	373	235	157	110	80	60	46	36	29	23	19	16
2 Span	Positive Wind	500	500	500	344	243	181	139	111	90	75	63	53	46	40	35	31
	Live	500	500	500	344	243	181	139	111	90	75	63	53	46	40	35	31
	Deflection (L/180)	500	500	500	500	500	500	480	337	245	184	142	111	89	72	60	50
	Deflection (L/240)	500	500	500	500	500	500	360	253	184	138	106	83	67	54	45	37
3 Span	Positive Wind	500	500	500	418	298	223	172	137	112	93	78	67	57	50	44	39
	Live	500	500	500	418	298	223	172	137	112	93	78	67	57	50	44	39
	Deflection (L/180)	500	500	500	500	500	500	376	264	192	144	111	87	70	57	47	39
	Deflection (L/240)	500	500	500	500	500	421	282	198	144	108	83	65	52	42	35	29
4 Span	Positive Wind	500	500	500	394	280	209	162	129	105	87	73	62	54	47	41	36
	Live	500	500	500	394	280	209	162	129	105	87	73	62	54	47	41	36
	Deflection (L/180)	500	500	500	500	500	500	399	280	204	153	118	93	74	60	49	41
	Deflection (L/240)	500	500	500	500	500	447	299	210	153	115	88	69	55	45	37	31
ASTM E1592 Wind Uplift Testing		NO TEST DATA AVAILABLE															

**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. Live is the allowable live or snow load.
4. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
5. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
6. The weight of the panel has **NOT** been deducted from the allowable loads.
7. Positive wind and Live load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
8. Values of ASTM E1592 Wind Uplift Testing include a factor of safety of 2.0. Shaded areas are outside of test range. Contact McElroy Metal for more information.
9. Web crippling has **NOT** been checked for this panel.
10. Load Tables are limited to a maximum allowable load of 500 psf.