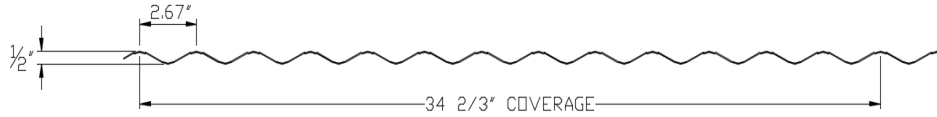




# M-Cor

Bare & Painted



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.
26	50.0	0.90	1.2035	0.0073	0.0270	0.6737	0.0073	0.0280	0.6737

1. Section properties are calculated in accordance with the 2016 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															
		1.50	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	199	112	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Negative Wind	199	112	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Live	199	112	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Deflection (L/180)	188	79	40	23	14	9	6	5	3	2	2	1	1	1	1	0
	Deflection (L/240)	141	59	30	17	11	7	5	3	2	2	1	1	1	0	0	0
2 Span	Positive Wind	197	111	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Negative Wind	197	111	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Live	197	111	71	49	36	28	22	17	14	12	10	9	7	7	6	5
	Deflection (L/180)	453	191	97	56	35	23	16	12	9	7	5	4	3	2	2	2
	Deflection (L/240)	339	143	73	42	26	17	12	9	6	5	4	3	2	2	1	1
3 Span	Positive Wind	245	139	89	62	45	35	27	22	18	15	13	11	9	8	7	6
	Negative Wind	245	139	89	62	45	35	27	22	18	15	13	11	9	8	7	6
	Live	245	139	89	62	45	35	27	22	18	15	13	11	9	8	7	6
	Deflection (L/180)	355	149	76	44	27	18	13	9	7	5	4	3	2	2	1	1
	Deflection (L/240)	266	112	57	33	20	14	9	7	5	4	3	2	2	1	1	1
4 Span	Positive Wind	229	129	83	57	42	32	25	20	17	14	12	10	9	8	7	6
	Negative Wind	229	129	83	57	42	32	25	20	17	14	12	10	9	8	7	6
	Live	229	129	83	57	42	32	25	20	17	14	12	10	9	8	7	6
	Deflection (L/180)	376	159	81	47	29	19	13	10	7	5	4	3	3	2	2	1
	Deflection (L/240)	282	119	61	35	22	14	10	7	5	4	3	2	2	1	1	1

Notes:

1. Allowable uniform loads are based upon equal span lengths.
2. Live is the allowable live or snow load.
3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
5. The weight of the panel has **NOT** been deducted from the allowable loads.
6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification.
7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
8. Load Tables are limited to a maximum allowable load of 500 psf.
9. Web crippling has not been checked for this panel.