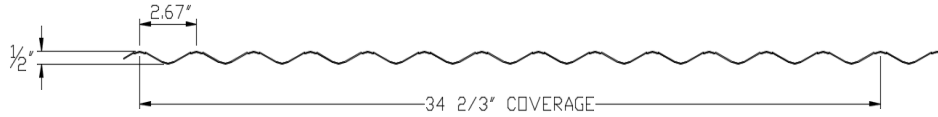




M-Cor

Bare & Painted



SECTION PROPERTIES				TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/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	0.88	1.4035	0.0069	0.0262	0.7855	0.0069	0.0273	0.7862

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_a is the allowable shear.
3. I_x is for deflection determination.
4. S_e is for bending.
5. M_a 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	232	130	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Negative Wind	232	131	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Live	232	130	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Deflection (L/180)	179	75	38	22	14	9	6	4	3	2	2	1	1	1	0	0
	Deflection (L/240)	134	56	29	16	10	7	4	3	2	2	1	1	1	0	0	0
2 Span	Positive Wind	230	130	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Negative Wind	229	130	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Live	230	130	83	58	42	32	25	20	17	14	12	10	9	8	7	6
	Deflection (L/180)	431	182	93	53	33	22	15	11	8	6	5	4	3	2	2	1
	Deflection (L/240)	323	136	69	40	25	17	11	8	6	5	3	3	2	2	1	1
3 Span	Positive Wind	286	162	104	72	53	40	32	26	21	18	15	13	11	10	9	8
	Negative Wind	285	162	104	72	53	40	32	26	21	18	15	13	11	10	9	8
	Live	286	162	104	72	53	40	32	26	21	18	15	13	11	10	9	8
	Deflection (L/180)	338	142	73	42	26	17	12	9	6	5	4	3	2	2	1	1
	Deflection (L/240)	253	107	54	31	19	13	9	6	5	3	3	2	2	1	1	1
4 Span	Positive Wind	267	151	97	67	49	38	30	24	20	16	14	12	10	9	8	7
	Negative Wind	267	151	97	67	49	38	30	24	20	16	14	12	10	9	8	7
	Live	267	151	97	67	49	38	30	24	20	16	14	12	10	9	8	7
	Deflection (L/180)	359	151	77	44	28	18	13	9	7	5	4	3	2	2	1	1
	Deflection (L/240)	269	113	58	33	21	14	9	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.