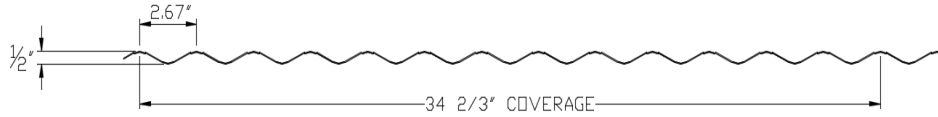




M-Cor

Bare & SP



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.)
29	80.0	0.68	0.8540	0.0052	0.0196	0.5889	0.0052	0.2031	0.6073

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	174	98	62	43	32	24	19	15	12	10	9	8	6	6	5	4
	Negative Wind	179	101	64	44	33	25	19	16	13	11	9	8	7	6	5	4
	Live	174	98	62	43	32	24	19	15	12	10	9	8	6	6	5	4
	Deflection (L/180)	134	56	29	16	10	7	4	3	2	2	1	1	1	0	0	0
	Deflection (L/240)	100	42	21	12	7	5	3	2	2	1	1	0	0	0	0	0
2 Span	Positive Wind	176	100	64	44	32	25	19	16	13	11	9	8	7	6	5	4
	Negative Wind	171	97	62	43	31	24	19	15	12	10	9	8	6	6	5	4
	Live	176	100	64	44	32	25	19	16	13	11	9	8	7	6	5	4
	Deflection (L/180)	323	136	69	40	25	17	11	8	6	5	3	3	2	2	1	1
	Deflection (L/240)	242	102	52	30	19	12	8	6	4	3	2	2	1	1	1	1
3 Span	Positive Wind	218	124	80	55	41	31	24	20	16	14	11	10	8	7	6	6
	Negative Wind	212	120	77	54	39	30	24	19	16	13	11	10	8	7	6	6
	Live	218	124	80	55	41	31	24	20	16	14	11	10	8	7	6	6
	Deflection (L/180)	253	107	54	31	19	13	9	6	5	3	3	2	2	1	1	1
	Deflection (L/240)	190	80	41	23	14	10	7	5	3	2	2	1	1	1	1	0
4 Span	Positive Wind	204	116	74	52	38	29	23	18	15	13	11	9	8	7	6	5
	Negative Wind	198	113	72	50	37	28	22	18	15	12	10	9	8	7	6	5
	Live	204	116	74	52	38	29	23	18	15	13	11	9	8	7	6	5
	Deflection (L/180)	269	113	58	33	21	14	9	7	5	4	3	2	2	1	1	1
	Deflection (L/240)	201	85	43	25	15	10	7	5	4	3	2	1	1	1	1	0

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.