

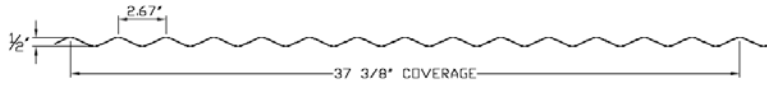


# TECHNICAL BULLETIN

Issue Date : June 1, 2006

No. : 07-202-06

## M-Cor



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	80.0	0.87	1.3958	0.0068	0.0265	0.9514	0.0068	0.0265	0.9514

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<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	281	158	101	70	51	39	31	25	20	17	15	12	11	9	8	7
	Negative Wind	281	158	101	70	51	39	31	25	20	17	15	12	11	9	8	7
	Live	281	158	101	70	51	39	31	25	20	17	15	12	11	9	8	7
	Deflection (L/180)	176	74	38	22	13	9	6	4	3	2	2	1	1	1	0	0
	Deflection (L/240)	132	55	28	16	10	6	4	3	2	2	1	1	1	0	0	0
2 Span	Positive Wind	276	156	100	70	51	39	31	25	20	17	14	12	11	9	8	7
	Negative Wind	276	156	100	70	51	39	31	25	20	17	14	12	11	9	8	7
	Live	276	156	100	70	51	39	31	25	20	17	14	12	11	9	8	7
	Deflection (L/180)	424	178	91	53	33	22	15	11	8	6	5	4	3	2	2	1
	Deflection (L/240)	318	134	68	39	25	16	11	8	6	4	3	3	2	2	1	1
3 Span	Positive Wind	343	195	125	87	64	49	39	31	26	21	18	16	14	12	10	9
	Negative Wind	343	195	125	87	64	49	39	31	26	21	18	16	14	12	10	9
	Live	343	195	125	87	64	49	39	31	26	21	18	16	14	12	10	9
	Deflection (L/180)	332	140	71	41	26	17	12	8	6	5	4	3	2	2	1	1
	Deflection (L/240)	249	105	53	31	19	13	9	6	5	3	3	2	1	1	1	1
4 Span	Positive Wind	321	182	117	81	60	46	36	29	24	20	17	15	13	11	10	9
	Negative Wind	321	182	117	81	60	46	36	29	24	20	17	15	13	11	10	9
	Live	321	182	117	81	60	46	36	29	24	20	17	15	13	11	10	9
	Deflection (L/180)	352	148	76	44	27	18	13	9	7	5	4	3	2	2	1	1
	Deflection (L/240)	264	111	57	33	20	13	9	7	5	4	3	2	2	1	1	1

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. Web crippling has not been checked for this panel.

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