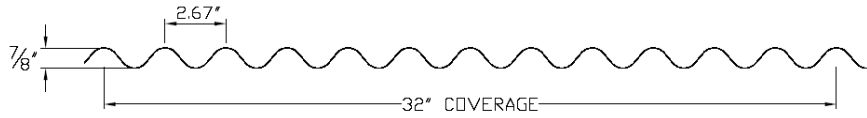




Multi-Cor

Bare & Painted



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (ksi)	WEIGHT (psf)	V _a (kip/ft.)	P _{a_end} (lbs/ft.)	P _{a_int} (lbs/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	50.0	0.98	1.2536	512.06	473.90	0.0258	0.0559	1.3974	0.0258	0.0592	1.4225

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. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a is the allowable bending moment.
7. 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	414	232	149	103	76	58	46	37	30	25	22	19	16	14	12	11
	Negative Wind	421	237	151	105	77	59	46	37	31	26	22	19	16	14	13	11
	Live	414	232	149	103	76	58	46	37	30	25	22	19	16	14	12	11
	Deflection (L/180)	500	282	144	83	52	35	24	18	13	10	8	6	5	4	3	3
	Deflection (L/240)	500	211	108	62	39	26	18	13	10	7	6	4	4	3	2	2
2 Span	Positive Wind	399	230	149	104	76	58	46	37	31	26	22	19	16	14	13	11
	Negative Wind	395	226	146	102	75	57	45	37	30	25	21	18	16	14	12	11
	Live	399	230	149	104	76	58	46	37	31	26	22	19	16	14	13	11
	Deflection (L/180)	500	500	348	201	126	85	59	43	32	25	19	15	12	10	8	7
	Deflection (L/240)	500	500	261	151	95	63	44	32	24	18	14	11	9	7	6	5
3 Span	Positive Wind	453	285	184	129	95	73	58	47	38	32	27	24	21	18	16	14
	Negative Wind	485	280	181	127	93	72	57	46	38	32	27	23	20	18	16	14
	Live	453	285	184	129	95	73	58	47	38	32	27	24	21	18	16	14
	Deflection (L/180)	500	500	272	157	99	66	46	34	25	19	15	12	10	8	6	5
	Deflection (L/240)	500	399	204	118	74	49	35	25	19	14	11	9	7	6	5	4
4 Span	Positive Wind	436	267	173	121	89	68	54	44	36	30	26	22	19	17	15	13
	Negative Wind	455	262	170	118	87	67	53	43	35	30	25	22	19	16	15	13
	Live	436	267	173	121	89	68	54	44	36	30	26	22	19	17	15	13
	Deflection (L/180)	500	500	289	167	105	70	49	36	27	20	16	13	10	8	7	6
	Deflection (L/240)	500	424	217	125	79	53	37	27	20	15	12	9	8	6	5	4

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. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
9. Load Tables are limited to a maximum allowable load of 500 psf.