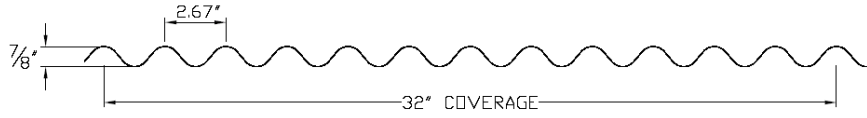




Multi-Cor

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	80.0	0.95	1.4622	582.10	530.07	0.0243	0.05195	1.5581	0.0243	0.0545	1.6330

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	461	259	166	115	84	64	51	41	34	28	24	21	18	16	14	12
	Negative Wind	483	272	174	120	88	68	53	43	35	30	25	22	19	17	15	13
	Live	461	259	166	115	84	64	51	41	34	28	24	21	18	16	14	12
	Deflection (L/180)	500	265	136	78	49	33	23	17	12	9	7	6	5	4	3	2
	Deflection (L/240)	472	199	102	59	37	24	17	12	9	7	5	4	3	3	2	2
2 Span	Positive Wind	446	265	171	119	88	67	53	43	35	30	25	22	19	16	15	13
	Negative Wind	442	253	163	114	84	64	51	41	34	28	24	21	18	16	14	12
	Live	446	265	171	119	88	67	53	43	35	30	25	22	19	16	15	13
	Deflection (L/180)	500	500	328	189	119	80	56	41	30	23	18	14	12	10	8	7
	Deflection (L/240)	500	480	246	142	89	60	42	30	23	17	13	11	9	7	6	5
3 Span	Positive Wind	500	327	212	148	109	84	66	54	44	37	32	27	24	21	18	16
	Negative Wind	500	313	203	142	104	80	63	51	42	35	30	26	23	20	17	16
	Live	500	327	212	148	109	84	66	54	44	37	32	27	24	21	18	16
	Deflection (L/180)	500	500	256	148	93	62	44	32	24	18	14	11	9	7	6	5
	Deflection (L/240)	500	376	192	111	70	47	33	24	18	13	10	8	7	5	4	4
4 Span	Positive Wind	488	307	198	138	102	78	62	50	41	35	29	25	22	19	17	15
	Negative Wind	500	293	190	132	97	75	59	48	39	33	28	24	21	18	16	14
	Live	488	307	198	138	102	78	62	50	41	35	29	25	22	19	17	15
	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

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.