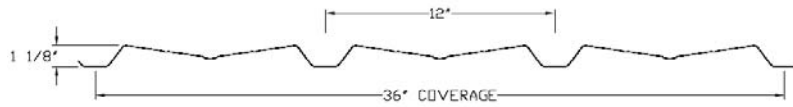




Multi-V



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	0.88	0.5301	111.98	195.33	0.0237	0.0447	1.1813	0.0257	0.0377	1.1297

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_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	163	122	98	81	64	49	38	31	26	21	18	16	14	12	10	9
	Negative Wind	334	188	120	83	61	47	37	30	24	20	17	15	13	11	10	9
	Live	163	122	98	81	64	49	38	31	26	21	18	16	14	12	10	9
	Deflection (L/180)	500	258	132	76	48	32	22	16	12	9	7	6	4	4	3	2
	Deflection (L/240)	460	194	99	57	36	24	17	12	9	7	5	4	3	3	2	2
2 Span	Positive Wind	114	85	68	57	48	42	36	29	24	20	17	15	13	11	10	9
	Negative Wind	297	178	118	83	62	47	38	30	25	21	18	15	13	12	10	9
	Live	114	85	68	57	48	42	36	29	24	20	17	15	13	11	10	9
	Deflection (L/180)	500	500	332	192	121	81	57	41	31	24	18	15	12	10	8	7
	Deflection (L/240)	500	487	249	144	90	60	42	31	23	18	14	11	9	7	6	5
3 Span	Positive Wind	129	97	77	64	55	48	43	36	30	25	21	18	16	14	12	11
	Negative Wind	351	214	143	102	76	59	47	38	31	26	22	19	17	15	13	12
	Live	129	97	77	64	55	48	43	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	500	260	150	95	63	44	32	24	18	14	11	9	7	6	5
	Deflection (L/240)	500	381	195	113	71	47	33	24	18	14	11	8	7	5	4	4
4 Span	Positive Wind	124	93	74	62	53	46	41	34	28	24	20	17	15	13	12	10
	Negative Wind	334	203	135	96	71	55	44	35	29	25	21	18	16	14	12	11
	Live	124	93	74	62	53	46	41	34	28	24	20	17	15	13	12	10
	Deflection (L/180)	500	500	276	160	100	67	47	34	25	20	15	12	10	8	7	5
	Deflection (L/240)	500	405	207	120	75	50	35	25	19	15	11	9	7	6	5	4

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. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
11. Load Tables are limited to a maximum allowable load of 500 psf.