

PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy	WEIGHT	SHEAR Va	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
	(ksi)			(in.-k)	lx	Sx	Ma	(in.-k)	lx
26	80	0.807	633	0.0133	0.0222	0.7990	0.0093	0.0194	0.6967

Notes:

1. Fy is the yield strength of the base metal.
2. Va is the allowable vertical shear of the panel.
3. Ix is the effective moment of inertia of the panel per foot of width.
4. Sx is the effective section modulus of the panel per foot of width.
5. Ma is the allowable bending moment of the panel per foot of width.
6. All properties are calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.

ASD - ALLOWABLE UNIFORM LOAD (psf)

SPANS	LOAD TYPE	SPAN (FEET)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
1	LIVE	133	85	59	43	33	26	21	17
	NEGATIVE WIND	116	74	51	37	29	22	18	15
	DEFL. (L / 180)	133	74	43	27	18	12	9	7
	DEFL. (L / 240)	109	55	32	20	13	9	6	5
2	LIVE	113	73	51	37	28	22	18	15
	NEGATIVE WIND	128	83	58	43	33	26	21	17
	DEFL. (L / 180)	113	73	51	37	28	22	18	15
	DEFL. (L / 240)	113	73	51	37	28	22	16	12
3	LIVE	139	90	63	46	35	28	23	19
	NEGATIVE WIND	158	103	72	53	41	32	26	21
	DEFL. (L / 180)	139	90	63	46	34	24	17	13
	DEFL. (L / 240)	139	90	61	38	25	18	13	9
4	LIVE	131	84	59	43	33	26	21	17
	NEGATIVE WIND	148	96	67	50	38	30	24	20
	DEFL. (L / 180)	131	84	59	43	33	25	18	14
	DEFL. (L / 240)	131	84	59	40	27	19	14	10

Notes:

1. Loads have NOT been increased by 1/3.
2. Span lengths are assumed to be equal.
3. Self weight of panel has not been deducted from tabular values.
4. Both Wind and Live "Load Type" values have considered combined bending and shear.
5. Effects of web crippling and fastener/support connection have not been considered.
6. All values have been calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.
7. For use of VR Panel without continuous structural substrate in a roof application, the maximum span for the Steel Deck Institute's Construction and Maintenance is 1'-7" for Single Span or 2'-0" for Multiple Span.
8. Deflection values are capped at the Live load value.