



**Artisan L8 Panel**

SECTION PROPERTIES								
PANEL	Fy	WEIGHT	NEGATIVE BENDING			POSITIVE BENDING		
			lxe	Sxe	Maxo	lxe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24	50	1.47	0.0360	0.0434	1.2985	0.0253	0.0421	1.2610
22	50	1.85	0.0494	0.0602	1.8018	0.0358	0.0625	1.8714

**NOTES:**

1. All calculations for the properties of Artisan L8 panels are calculated in accordance with the 1996 edition of the COLD-FORMED STEEL Design Manual, w/ 1999 supplement - published by the American Iron and Steel Institute (AISI).
2. lxe is for deflection determination.
3. Sxe is for Bending.
4. Maxo is allowable bending moment.
5. All values are for the one foot of panel width.

**ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT**

24 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	POSITIVE WIND LOAD	276.4	141.5	81.9	51.6	34.6	24.3	17.7
2-SPAN	POSITIVE WIND LOAD	196.5	128.7	90.6	67.1	51.6	40.9	33.2
3-SPAN	POSITIVE WIND LOAD	239.2	158.0	111.7	83.0	64.0	45.8	33.4
4-SPAN	POSITIVE WIND LOAD	225.4	148.5	104.8	77.8	60.0	47.6	35.4

22 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	POSITIVE WIND LOAD	391.1	200.3	115.9	73.0	48.9	34.3	25.0
2-SPAN	POSITIVE WIND LOAD	285.7	188.4	133.1	98.8	76.2	60.5	49.2
3-SPAN	POSITIVE WIND LOAD	345.1	230.0	163.5	121.9	92.3	64.8	47.2
4-SPAN	POSITIVE WIND LOAD	326.0	216.5	153.6	114.3	88.3	68.8	50.1

**NOTES:**

1. Allowable loads are based on uniform span lengths.
2. POSITIVE WIND LOAD has been increased by 33.333%.
3. POSITIVE WIND LOAD is limited by bending, shear, combined shear & bending, or web crippling.
4. POSITIVE WIND LOAD is limited by a maximum deflection ratio of L/180 of span.
5. Contact MBCI for negative wind load values.