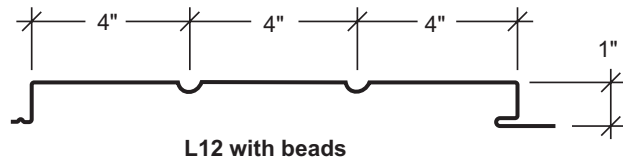
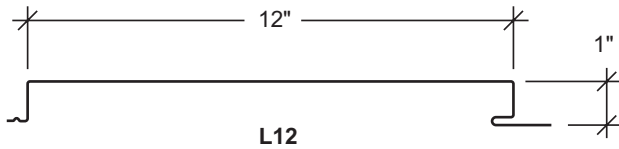


## PRODUCT INFORMATION

### ARTISAN<sup>®</sup> L12



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	F <sub>y</sub>	WEIGHT	l <sub>xe</sub>	S <sub>xe</sub>	Maxo	l <sub>xe</sub>	S <sub>xe</sub>	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24	50	1.31	0.0270	0.0309	0.9248	0.0178	0.0296	0.8871
22	50	1.65	0.0374	0.0428	1.2821	0.0252	0.0441	1.3199

#### NOTES:

- All calculations for the properties of Artisan L12 panels are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
- l<sub>xe</sub> is for deflection determination.
- S<sub>xe</sub> is for bending.
- Maxo is allowable bending moment.
- All values are for one foot of panel width.

### ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 Gauge (F <sub>y</sub> = 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	147.9	94.6	57.6	36.3	24.3	17.1	12.4
2-SPAN	POSITIVE WIND LOAD	142.2	92.3	64.6	47.7	36.6	29.0	23.5
3-SPAN	POSITIVE WIND LOAD	174.9	114.1	80.1	59.2	45.5	32.2	23.5
4-SPAN	POSITIVE WIND LOAD	164.2	106.9	75.0	55.4	42.6	33.7	24.9

22 Gauge (F <sub>y</sub> = 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	200.0	140.8	81.6	51.4	34.4	24.2	17.6
2-SPAN	POSITIVE WIND LOAD	200.0	136.1	95.0	69.8	53.4	42.2	34.2
3-SPAN	POSITIVE WIND LOAD	200.0	167.8	118.2	87.2	66.8	45.6	33.3
4-SPAN	POSITIVE WIND LOAD	200.0	157.4	110.7	81.4	62.3	48.4	35.3

#### NOTES:

- Allowable loads are based on uniform span lengths.
- POSITIVE WIND LOAD is limited by bending, shear, combined shear & bending.
- Above loads consider a maximum deflection ratio of L/180.
- The weight of the panel has not been deducted from the allowable loads.
- THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT**
- The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
- Please contact manufacturer or manufacturer's website for most current allowable wind uplift loads.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.