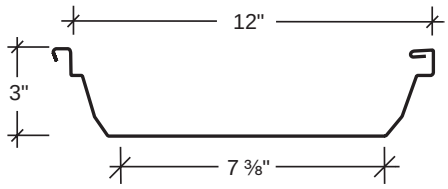
Double-Lok® **PANEL**

12" Coverage



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SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24	50	1.48	0.2590	0.1612	4.8271	0.4750	0.2290	6.8566
22	50	1.86	0.3594	0.2317	6.9371	0.6163	0.2979	8.9189

NOTES:

1. All calculations for the properties of Double-Lok panels are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

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.

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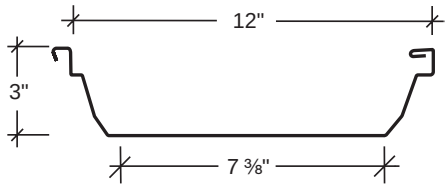

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.5	3.0	3.5	4.0	4.5	5.0	5.5
SINGLE	LIVE	408.0	340.0	291.4	255.0	225.7	182.8	151.1
2-SPAN	LIVE	408.0	340.0	262.7	201.1	158.9	128.7	106.4
3-SPAN	LIVE	408.0	340.0	291.4	251.4	198.6	160.9	133.0
4-SPAN	LIVE	408.0	340.0	291.4	234.7	185.5	150.2	124.2

22 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.5	3.0	3.5	4.0	4.5	5.0	5.5
SINGLE	LIVE	593.9	494.9	424.2	371.2	293.6	237.8	196.6
2-SPAN	LIVE	593.9	494.9	377.5	289.0	228.4	185.0	152.9
3-SPAN	LIVE	593.9	494.9	424.2	361.3	285.5	231.2	191.1
4-SPAN	LIVE	593.9	494.9	424.2	337.4	266.6	215.9	178.4

NOTES:

1) Allowable loads are based on uniform span lengths and Fy = 50 ksi.
2) LIVE LOAD is limited by bending, shear, combined shear & bending.
3) Above loads consider a maximum deflection ratio of L/180.
4) The weight of the panel has not been deducted from the allowable loads.
5) **THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT.**
6) Please contact manufacturer or manufacturer's website for most current allowable wind uplift loads.
7) The use of any field seaming equipment or accessories including but not limited to clips, fasteners, and support plates (eave, backup, rake, etc.) other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8) This material is subject to change without notice. Please contact MBCI for most current data.

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