PRODUCT INFORMATION

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Kansas City, KS 66111
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913-766-7201 fax

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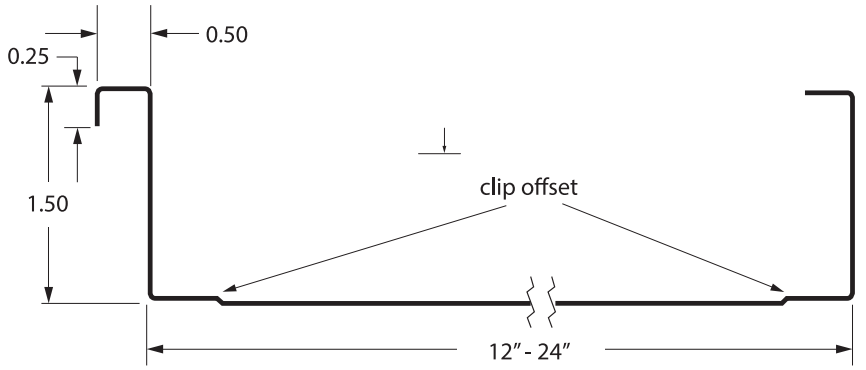
STRONGSEAM™ PANELS

LF15



UL2218 Class IV/Impact
UL790 Class A/Fire

min. 26 ga. & 24 ga.

SECTION PROPERTIES							
PANEL GAUGE	WIDTH	(Yield Stress) Fy (KSI)	WEIGHT (PSF)	TOP FLAT IN COMPRESSION (Positive Bending)		BOTTOM FLAT IN COMPRESSION (Negative Bending)	
				I^x (in.^{4}/ft.)	S^e (in.^{3}/ft.)	I^x (in.^{4}/ft.)	S^e (in.^{3}/ft.)
24	12"	50.0	1.31	0.087	0.060	0.047	0.056
24	16"	50.0	1.63	0.090	0.059	0.047	0.056

NOTES

1. All calculations for the properties of panels are calculated in accordance with the 2012 AISI Supplement No. 1.
2. I_x is for deflection determination.
3. S_e is for bending.
4. M_a is allowable bending movement.
5. All values are for one foot of panel width.

ALLOWABLE UNIFORM LOADS (PFS)

24 Gauge (Fy=50 KSI) 12" WIDTH									
		SPAN IN FEET							
SPAN TYPE	LOAD TYPE	2.5	3	3.5	4	4.5	5	5.5	6
SINGLE	LIVE	177.0	122.0	90.0	68.0	54.0	43.0	35.0	30.0
2-SPAN	LIVE	177.0	122.0	90.0	68.0	54.0	43.0	35.0	30.0
3-SPAN	LIVE	198.0	139.0	102.0	78.0	62.0	50.0	41.0	34.0

24 Gauge (Fy=50 KSI) 16" WIDTH									
		SPAN IN FEET							
SPAN TYPE	LOAD TYPE	2.5	3	3.5	4	4.5	5	5.5	6
SINGLE	LIVE	132.0	92.0	67.0	51.0	40.0	32.0	26.0	22.0
2-SPAN	LIVE	132.0	92.0	67.0	51.0	40.0	32.0	26.0	22.0
3-SPAN	LIVE	148.0	104.0	77.0	59.0	46.0	37.0	31.0	26.0

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.