PRODUCT INFORMATION

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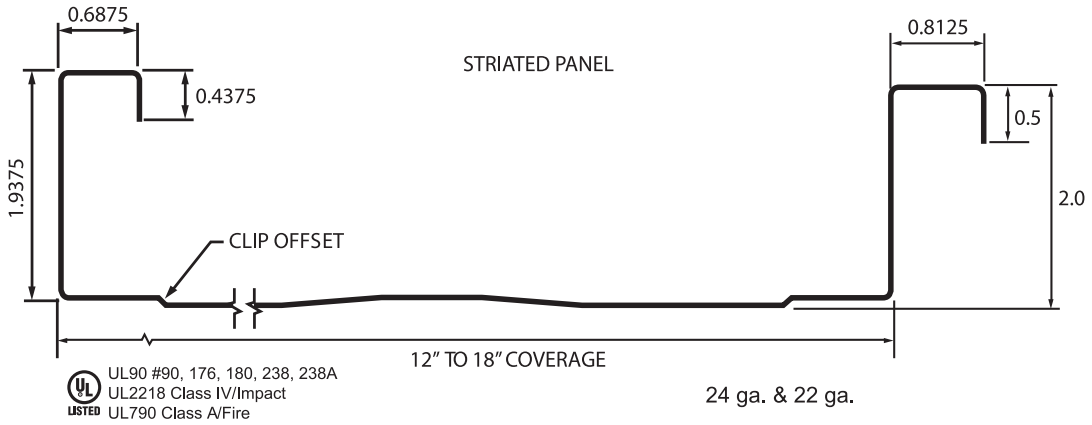
STRONGSEAM™ PANELS

LF2A



UL90 #90, 176, 180, 238, 238A
UL2218 Class IV/Impact
UL790 Class A/Fire

24 ga. & 22 ga.

SECTION PROPERTIES							
				TOP FLAT IN COMPRESSION (Positive Bending)		BOTTOM FLAT IN COMPRESSION (Negative Bending)	
PANEL GAUGE	WIDTH	(Yield Stress) Fy (KSI)	WEIGHT (PSF)	I^x (in.^{4}/ft.)	S^e (in.^{3}/ft.)	I^x (in.^{4}/ft.)	S^e (in.^{3}/ft.)
24	12"	50.0	1.63	0.221	0.123	0.115	0.079
24	16"	50.0	1.96	0.229	0.123	0.116	0.079

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 LOAD (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	214.0	173.0	126.0	96.0	76.0	61.0	50.0	42.0
2-SPAN	LIVE	234.0	173.0	126.0	96.0	76.0	61.0	50.0	42.0
3-SPAN	LIVE	268.0	191.0	142.0	109.0	86.0	70.0	58.0	49.0

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	160.0	130.0	95.0	72.0	57.0	46.0	38.0	31.0
2-SPAN	LIVE	176.0	130.0	95.0	72.0	57.0	46.0	38.0	31.0
3-SPAN	LIVE	201.0	143.0	106.0	82.0	65.0	52.0	43.0	36.0

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.