

# TECHNICAL BULLETIN

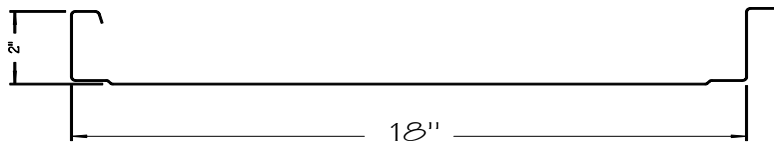
Issue Date: November 19, 2013

No. 05-396-13

## ASTM E1592 Wind Uplift Test

### Maxima 218 0.032 Aluminum

McElroy Metal tested its Maxima structural standing seam panel per ASTM E1592 between April 13, 2010 and February 21, 2012.



### TEST RESULTS

<b>Negative (uplift) loading</b>				
<b>Panel</b>	<b>Gauge</b>	<b>Span</b>	<b>Ultimate Load (psf)</b>	<b>Design Load (psf) Factor of Safety = 1.65 (Aluminum Design Manual)</b>
Maxima 218	0.032	1'-0"	248.3	150.48
Maxima 218	0.032	2'-0"	184.6	111.88
Maxima 218	0.032	5'-0"	79.3	48.06
<b>Positive (gravity) loading</b>				
<b>Panel</b>	<b>Gauge</b>	<b>Span</b>	<b>Ultimate Load (psf)</b>	<b>Design Load (psf) Factor of Safety = 1.65 (Aluminum Design Manual)</b>
Maxima 218	0.032	3'-0"	230.1	139.45
Maxima 218	0.032	5'-0"	96.2	58.30

Test Report No. : 10-003

Dated: August 5, 2011

Test Report No. : 11-004

Dated: June 18, 2013

**CORPORATE OFFICE**  
**SHREVEPORT, LOUISIANA**