



Customer Chart

**16" Curved Battenlok<sup>®</sup> 24 Ga.**  
Negative Design Loads (psf)

Span (ft.)	Radius (ft.)												
	40	45	50	55	60	65	70	75	80	85	90	95	100
2.00	81.99	75.77	69.54	63.31	57.08	55.79	54.49	53.19	51.90	48.78	45.67	42.56	39.44
2.50	76.03	70.58	65.13	59.68	54.23	53.06	51.90	50.73	49.56	46.58	43.59	40.61	37.63
3.00	70.23	65.52	60.81	56.09	51.38	50.34	49.30	48.26	47.23	44.37	41.52	38.66	35.81
3.50	64.61	60.59	56.57	52.55	48.52	47.62	46.71	45.80	44.89	42.16	39.44	36.71	33.99
4.00	59.16	55.79	52.42	49.04	45.67	44.89	44.11	43.34	42.56	39.97	37.37	34.77	32.17
4.50	53.89	50.41	46.93	43.44	39.96	39.57	39.18	38.79	38.40	36.33	34.25	32.18	30.10
5.00	48.78	45.15	41.52	37.89	34.25	34.25	34.25	34.25	34.25	32.70	31.14	29.58	28.02

Notes:

- 1) The above loads were derived from uplift tests done in accordance with ASTM E-1592
- 2) All values are interpolated and/or extrapolated from tests performed at spans of 1'-0", 2'-0" and 5'-0".
- 3) Test results are highlighted.
- 4) Design Load contains a 1.67 factor of safety.
- 5) 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 tha provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
- 6) Clips that can be used with the above Load Chart  
HW-230, HW-232
- 7) These values do not consider fastener pullout or pullover, clip attachment must be designed separately.
- 8) This material is subject to change without notice. Please contact MBCI for most current data.

Effective Date: January 27, 2014

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.