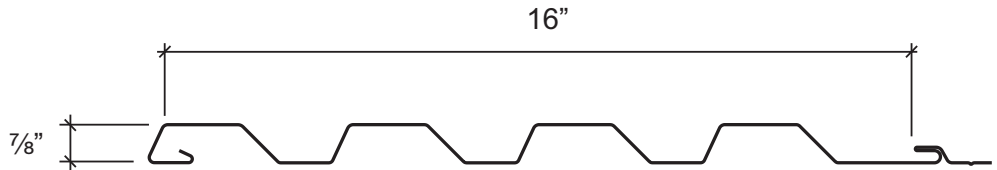


## GENERAL INFORMATION

### GENERAL DESCRIPTION



Coverage Width - 16"

Panel Attachment - Fastener Leg

Panel Substrate - Galvalume Plus®

Panel Finish - Smooth (standard) or Embossed (optional for 24 & 22 gauge only)

Gauge - 24 and 22

### PRODUCT SELECTION CHART

	Galvalume Plus®	Signature® 300*	Signature® 300* Metallic	Signature® 200*
24 gauge	●	●	●	●
22 gauge	●	■	■	■

Signature is a registered trademark of NCI Group, Inc. Galvalume Plus is a registered trademark of BIEC International.

- — Available in any quantity.
- — Minimum quantity may be required.

\*See architectural color chart for available colors.

**NOTICE**  
Contact DELTA for Positive and Negative Wind Load information.



## GENERAL INFORMATION

### ARCHITECT/ENGINEER INFORMATION

1. MasterLine 16® architectural wall panel is a concealed fastener panel designed to be used in horizontal or vertical applications.
2. Panel coverage is 16" and panels are available in 24, and 22 gauge thicknesses. Heavier gauges and embossing minimizes oil canning. Oil canning is not a cause for rejection.
3. Panels may be ordered with factory applied mastic to achieve ratings shown on page ML-7 for ASTM E283 and E331 Air and Water Leakage.
4. Wall framing must be plumb and square and in plane ( $\pm 1/4"$  in 20'). Depending upon the panel end detail selected, double studs may be required at panel end laps.
5. The panel face will be protected with strippable film. Exposure to sunlight for an extended period of time (over one week) may cause the strippable film to aggressively adhere to the metal and become difficult or impossible to remove. Strippable film should always be removed from panels as they are installed.
6. Panels may be installed over a wide variety of substrates. Panels can be applied over concrete and masonry walls by using sub girts. Panels can also be applied over bare studs, plywood, continuous insulation and various types of sheathing. Substrate material must be in plane ( $1/4"$  in 20'). Any inconsistencies or misalignment at sheathing seams may telegraph through the panels.
7. For continuous panel runs over 35', please inquire.



## GENERAL INFORMATION

### MASTERLINE 16" 24 GA. NEGATIVE DESIGN LOADS (psf)

Span	Negative Design Load	Positive Design Load
2.00	70.20	156.00
2.50	65.87	145.60
3.00	61.54	135.20
3.50	57.20	124.80
4.00	52.87	114.40
4.50	48.54	104.00
5.00	44.20	93.60
5.50	39.87	83.20
6.00	35.54	72.80
6.50	31.20	62.40
7.00	26.87	52.00
7.50	22.54	41.60
8.00	18.20	31.20

**Notes:**

- 1) The above loads were derived from uplift tests done in accordance with ASTM E-1592.
- 2) Test results are highlighted.
- 3) All values are interpolated and/or extrapolated from tests performed at spans of 2'-0" and 8'-0".
- 4) Design Load contains a 2.00 factor of safety.
- 5) These values do not consider fastener pullout or pullover, clip attachment must be designed separately.
- 6) The use of any 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.
- 7) This material is subject to change without notice. Please contact MBCI for most current data.

Effective Date: September 23, 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.

Profile	ASTM E 283-04 Air Leakage		ASTM E 331-00 Water Penetration	
	Pressure Differential	Leakage Rate	Pressure Differential	Infiltration Rate
MasterLine 16" -24 Ga.	6.24 PSF	.002 CFM/sq. ft.	20.00 PSF	No Leakage
	12.00 PSF	.003 CFM/sq. ft.		