TDI | Texas Department of Insurance

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Product Evaluation

EC109 | 0619 Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-109

Effective Date: June 1, 2019
Re-evaluation Date: June 2023

Product Name: IMETCO Latitude Steel or Aluminum Wall Panels Installed over Steel Girts

Manufacturer: Innovative Metals Company, Inc.
4648 South Old Peachtree Road
Norcross, GA 30084
(770) 908-1030

General Description:
IMETCO Latitude Wall Panels are formed from either 22-gauge galvanized steel or 0.032" aluminum. Panels are available in a maximum width of 16", maximum height of 7 ft, and maximum thickness of 0.032".

Limitations:
Wall Framing
The metal wall panels must be installed over 16-gauge open steel girts.

New Wall Framing
Attachment:
The wall framing must meet or exceed the wind pressure requirements of the IRC or IBC and must be installed as required for resistance to wind loads.

Design Wind Pressures:
The maximum allowable wind pressure for the IMETCO Latitude Wall Panels must not exceed the allowable wind loads specified in the table below.

IMETCO Latitude				
Material Type	**Panel Attachment**			**Maximum Allowable Wind Pressure**
	Clip Spacing	**Girts**	**Attachment of Panel to Steel Girts**	
Steel (22-gauge)	12"	Min. 16-ga., 1′-0″ on center	#12-14 x 3/4" T3 Blazer HWH SMS screws and 18-ga. clips	-100 psf
	36"	Min. 16-ga., 3′-0″ on center	#12-14 x 3/4" T3 Blazer HWH SMS screws and 18-ga. clips	-50 psf
Aluminum (0.032")	12"	Min. 16-ga., 1′-0″ on center	#12-14 x 3/4" T3 Blazer HWH SMS screws and 18-ga. clips	-90 psf
	36"	Min. 16-ga., 3′-0″ on center	#12-14 x 3/4" T3 Blazer HWH SMS screws and 18-ga. clips	-40 psf

Installation:
IMETCO Latitude Wall Panels must be installed in accordance with the manufacturer's published installation instructions, the applicable building code, and this product evaluation report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

Steel Girts:
The minimum thickness and the maximum on center spacing of the steel girts must be as specified in the table above.

Attachment of Metal Wall Panels to the Steel Girts:
Secure the panels to the steel girts with #12-14 x 3/4" T3 Blazer HWH SMS screws. Two (2) fasteners are required at each girt. The panels are secured together with one (1) #12-14 x 3/4" T3 Blazer HWH SMS screw at each girt. The fasteners must be long enough to ensure a minimum penetration of 3 pitches of thread below the girts.

Panel ends and end laps:
Secure the panels to the steel girts with #12-14 x 3/4" T3 Blazer HWH SMS screws. Two (2) fasteners are required at each girt. The panels are secured together with one (1) #12-14 x 3/4" T3 Blazer HWH SMS screws at each girt. The fasteners must be long enough to ensure a minimum penetration of 3 pitches of thread below the girts.

Trims, Closures, and Accessories:
Components, such as trims, closures, and accessories must be installed as required by the manufacturer.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.