

Product Evaluation

EC148 | 1222

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-148

Effective Date: December 1, 2022

Re-evaluation Date: December 2026

Product Name: Board and Batten Formed Metal Siding Panels

Manufacturer: Mac Metal Architectural Inc.
5975, Ch. De la Savane
Saint-Hubert, QC, J3Y 0X1, Canada
(450) 464-5486

General Description:

The Board and Batten siding panel is a prefinished galvanized steel siding panel. The siding panel is installed as a non-loadbearing exterior wall covering. The panels are minimum 26-gauge galvanized steel. The panels have an exposure of 12" with a 2" batten and a 10" board. The siding panels are available in lengths of 10 feet or 13 feet.

Limitations:

Design Pressure:

- Batten Spacing 16" o.c.: +31.3 psf; -31.3 psf
- Batten Spacing 24" o.c.: +34.8 psf; -34.8 psf

Wall Bracing: The Board and Batten siding panels are not to be used to resist lateral loads (must not be used as wall bracing or as a shearwall).

Installation:**General Installation Requirements:**

The Board and Batten siding panels must be installed in accordance with the manufacturer's published installation instructions and this product evaluation report. Where differences occur between the installation instructions and this evaluation report, this evaluation report must be followed. Use corrosion resistant fasteners as specified in the IRC and the IBC.

The Board and Batten siding panels must be installed by qualified installers recognized by Mac Metal Architectural Inc.

Wall Framing: Wall framing must be minimum Southern Yellow Pine dimension lumber. The wood wall studs are spaced a maximum of 16" on center.

Wall Bracing: Wall bracing must be installed as required for the structure.

Battens: Nominal 2 x 4 Spruce-Pine-Fir wood dimension lumber. The battens are applied horizontally over the wall stud locations. The spacing of the battens must be either 16" on center or 24" on center depending on the design pressure to be achieved as specified in this evaluation report. The battens must be secured to the wall studs to resist the required design pressures for the assembly being installed. The attachment of the battens to the wall framing is outside the scope of this evaluation report.

Board and Batten Installation: The Board and Batten siding is secured to the wood battens with No. 8 x 1-1/4" long MAC K-Latch screws provided by MAC Metal. The fasteners are secured through the siding fastener slots and into the wood battens. One fastener is required at each wood batten location. The fasteners have a penetration of approximate 1" into the wood battens.

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