



**PRODUCT EVALUATION REPORT
ARTISAN L-12 PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11917.1-R4
PANEL WALLS
SIDING**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
Houston, TX 77064
Telephone: (844) 327-1748
Fax: (281) 445-8110**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992
FAX: (866) 366-1543**

**This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)**

**Report No. C2423-1
Date: 12.17.2020**



Manufacturer: MBCI, part of the Cornerstone Building Brands family.

Manufacturing Locations: Houston: 14031 West Hardy, Houston, TX 77064
Atlanta: 2280 Monier Ave., Lithia Springs, GA 30122
Adel: 1600 Rogers Road, Adel, GA 31620

Product Name: Artisan L-12 Panel

Panel Description: 12" wide coverage with 1" deep, inverted corrugations

Materials: Min 24 ga. with galvanized coated steel (ASTM A653), galvalume coated steel (ASTM A792) or painted steel (ASTM A755) (F_y = 50 ksi) as per FBC 2020 Section 1405.2.

Support Description: Min. 16 ga., 50 ksi steel section. (Must be designed by others)

Design Pressure: +60 and -50 psf at support spacing of 48" o.c.
(Factor of Safety = 2) -85 psf at support spacing of 12" o.c.

Panel Attachment: Minimum #12-14 x 1" long corrosion resistant self-drilling screws at support.

Sidelap Attachment: Panel sidelap will be stitched with ¼"-14 x 7/8" long lap corrosion resistant self-drilling screws with washer at 24" o.c.

Test Standards: Wall assembly tested in accordance with ASTM E1592-01 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference'.

Test Equivalency: The test procedures in ASTM E1592-01 comply with test procedures prescribed in ASTM E1592-05(2012).

Code Compliance: The product described herein has demonstrated compliance with FBC 2020 Section 1404.5.

Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is not applicable in High Velocity Hurricane Zone.

Supporting Documents: ASTM E1592 Test Reports
Force Engineering & Testing, Inc.
07-0271T-08 D, E, F. Reporting Date 10/13/2008

