



**PRODUCT EVALUATION REPORT
BATTENLOK HS PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11819.2-R4
STRUCTURAL COMPONENTS
ROOF DECK**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2422-2
Date: 12.16.2020**



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: BattenLok HS Panel

Panel Description: Standing seam panel with max. 16" wide coverage and 2" high ribs

Materials: Min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2020 Section 1507.4.3.

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

Slope: 1/2:12 or greater in accordance with FBC 2020 Section 1507.4.2.

Uplift Pressure:
(Factor of Safety = 2) -43.8 psf at clip spacing of 60" o.c.
-71.2 psf at clip spacing of 30" o.c.

Panel Attachment: HW-220 or HW-222 with (2) #12-14 x 1" long self-drilling screws per clip. Clips and fasteners are corrosion resistant as per FBC 2020 Section 1506.7 and 1507.4.4, respectively

Test Standards: Roof 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' and FM 4471 Section 5.4 'Resistance to Foot Traffic'.

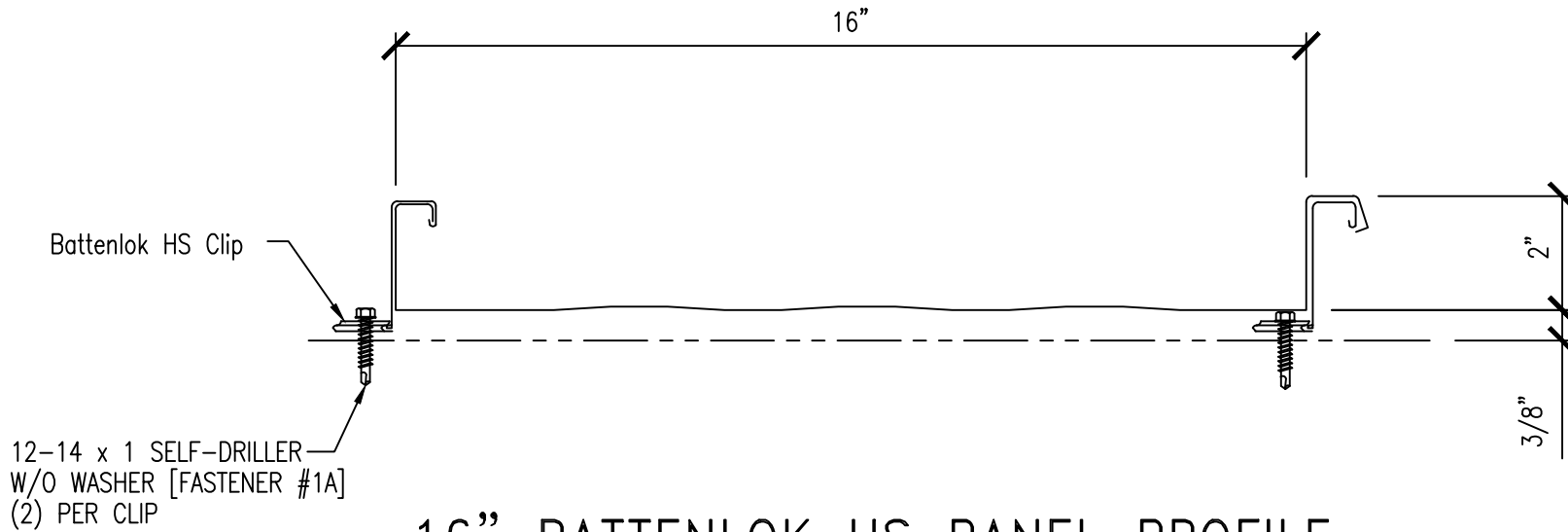
Test Equivalency: The test procedure in ASTM E1592-01 comply with test procedure prescribed in ASTM E1592-05(2012).

Code Compliance: The product described herein has demonstrated compliance with FBC 2020 Section 1507.4.

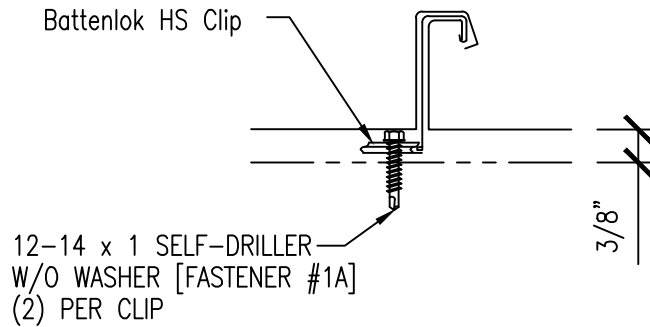
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum clip spacing listed herein shall not be exceeded. The design pressure for reduced clip spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2020 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: ASTM E1592 Test Reports
Force Engineering & Testing, Inc.
07-009T-06 A-F, Reporting Date 3/17/2006

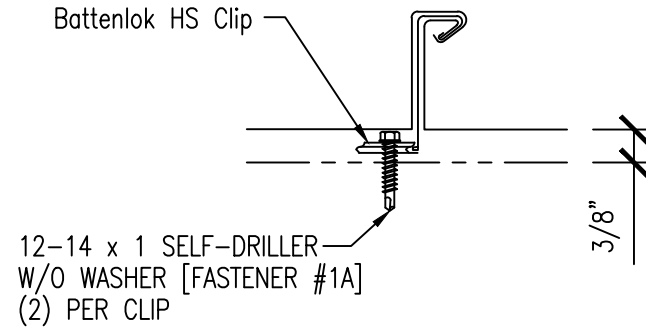
FM 4471 Test Report
Force Engineering & Testing, Inc.
07-0258T-11 C, Reporting Date 11/18/2011



16" BATTENLOK HS PANEL PROFILE
W/ STRIATIONS



CROSS SECTION
BEFORE SEAMING



CROSS SECTION
AFTER SEAMING