Metal Roof and Wall Systems

PRODUCT EVALUATION REPORT
AVP PANEL

FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11917.2-R4
PANEL WALLS
SIDING

Prepared For:
MBCI, part of the Cornerstone Building Brands family.
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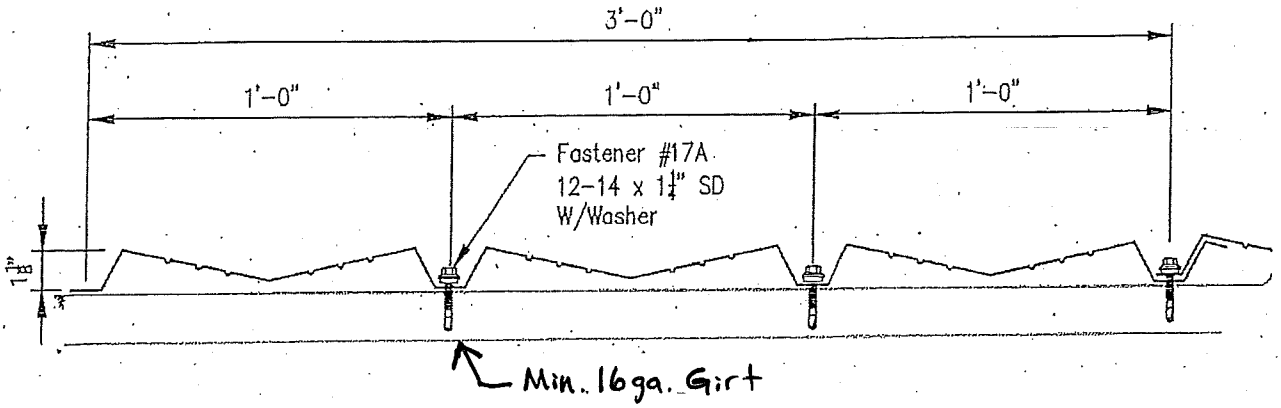
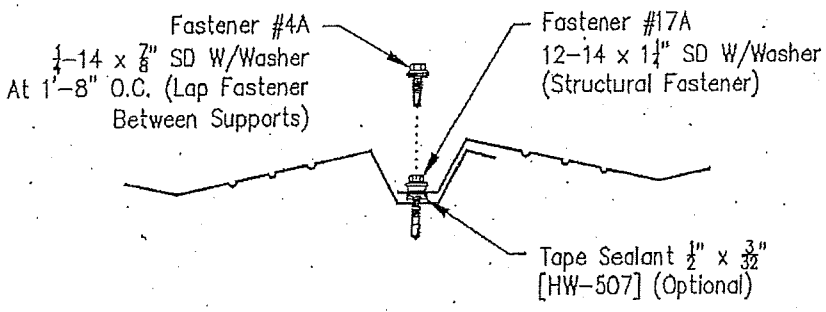
This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)

Report No. C2423-2
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:	AVP Panel
Panel Description:	36" wide coverage with (4) 1.125" high inverted ribs
Materials:	Min 26 ga. with galvanized coated steel (ASTM A653), galvalume coated steel (ASTM A792) or painted steel (ASTM A755) (F_y = 80 ksi) as per FBC 2020 Section 1405.2.
Support Description:	Min. 16 ga., 50 ksi steel section. (Must be designed by others)
Design Pressure: (Factor of Safety = 2)	+23.4 and -22.1 psf at support spacing of 96" o.c. -161.3 psf at support spacing of 24" o.c.
Panel Attachment:	#12-14 x 1-1/2" long corrosion resistant self-drilling screws with integral washer at 12" o.c. across panel width
Sidelap Attachment:	¼"-14 x 7/8" long lap corrosion resistant self-drilling screws with washer at max. 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. 07-0200T-14 A, B, C. Reporting Date 9/29/2014



AVP Panel Profile And Fastener Spacing



AVP Panel Side Lap