Product Evaluation Report

ASI BUILDING PRODUCTS

CMF Roof VeriSeam 0.032” Aluminum Roof Panel
over 19/32” SEALED Plywood

Florida Product Approval # 7771.10 R2
Florida Building Code 2010
Per Rule 9N-3
Method: 1 –D

Category: Roofing
Subcategory: Metal Roofing
Compliance Method: 9N-3.005(1)(d)
NON HVHZ

Product Manufacturer:
ASI Building Products
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Tampa Distribution Center (50th St)
Tampa, FL 33605

Engineer Evaluator:
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Florida Evaluation ANE ID: 1920

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Contents:
Evaluation Report Pages 1 – 4

FL# 7771.10 R2
April 27, 2012
Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2010, Sections 1504.3.2.

Product Description: CMF Roof VeriSeam Aluminum, 1-1/2” Mechanical Lock Standing Seam Roof Panel, 0.032” Aluminum, 20” Wide, Roof Panel restrained with stainless steel slider clips into 19/32” SEALED Plywood decking. Non-structural Application.

Panel Material/Standards: Material: 0.032” Aluminum conforming to Florida Building Code 2010 Section 1507.4.3
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2010, Section 1507.4.3

Panel Dimension(s): Thickness: 0.032”
Width: 20”
Rib Height: 1-1/2”
Panel Seam: 180º Seam, Double Lock w/mechanical seamer
Panel Rollformer: Schlebach Quadro-Plus Rollformer

Roof Panel Clips: Product Name: 1500SC, 1-1/2” Sliding Clip Assembly
Type: Two Piece Slider
Top: 0.030” Stainless Steel
Base: 16 Ga. Galvanized Steel
Corrosion Resistance: Per Florida Building Code 2010 Section 1506.7

Roof Clip Fastener: (2) #14-13 Truss Head steel screws
¼” minimum penetration through plywood
Corrosion Resistance: Per Florida Building Code 2010, Section 1506.6, 1507.4.4

Substrate Description: 19/32” thick, APA Rated plywood, Grade C-D. The plywood must be SEALED at every plywood joint with one part Urethane Sealant. Plywood supports at maximum 24” O.C. Design of plywood and plywood supports are outside the scope of this evaluation. Must be designed in accordance w/ Florida Building Code 2010.

April 27, 2012
Design Uplift Pressures:

Table “A”

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<tbody>
<tr>
<td>Maximum Total Uplift Design Pressure:</td>
<td>72.5 psf</td>
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<tr>
<td>Clip Spacing:</td>
<td>36” O.C.</td>
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<tr>
<td># Fasteners per Clip:</td>
<td>2</td>
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*Design Pressure includes a Safety Factor = 2.0.

Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2010, Section 1504.3.2.

Evaluation Report Scope: The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2010, as relates to Rule 9N-3.

Performance Standards: The product described herein has demonstrated compliance with:
- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
- UL 1897-04 - Uplift Test for Roof Covering Systems

Reference Data:
1. UL 580-94 / 1897-98 Uplift Test
   File R21264, Project 02NK11243/03NB13142* Test Assembly #7 by Underwriters Laboratory, UL Construction #603
2. Certificate of Independence
   By Terrence E. Wolfe, P.E. (No. 44923) @ Force Engineering & Testing, Inc. (FBC Organization # ANE ID: 1920)

Test Standard Equivalency:
1. The UL 580-94 test standard is equivalent to the UL 580-06 test standard.
2. The UL 1897-98 test standard is equivalent to the UL 1897-04 test standard.

Quality Assurance Entity: The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 9N-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

April 27, 2012
Minimum Slope Range: Minimum Slope shall comply with Florida Building Code 2010, including Sections 1507.4.2 and in accordance with Manufacturers recommendations.

Installation: Install per manufacturer’s recommended details.

Underlayment: Per Manufacturer’s installation guidelines per Florida Building Code 2010 Section 1507.4.5.

Roof Panel Fire Classification: No classification.

Shear Diaphragm: Shear diaphragm values are outside the scope of this report.

Design Procedure: Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2010 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2010 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.

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