FLORIDA PRODUCT APPROVAL

ECONO LINE ( CLIPLESS NAIL STRIP/ SNAP LOCK )
26 GA – 16” COVERAGE WIDTH ROOF PANEL OVER 15/32” PLYWOOD

FLORIDA PRODUCT APPROVAL NO 21383.1

SERIES
Product Evaluation Report

1” CLIPLESS NAIL STRIP 26GA Roof Panel over 15/32” Plywood

Florida Product Approval # 21383.1
Florida Building Code 2014 Per Rule 61G20-3

Method: 1 – D

Category: Roofing Subcategory: Metal Roofing Compliance Method:
Rule 61G20-3
NON-HVHZ

Product Manufacturer:
Sunlast Metal
2120 SW Poma Drive Palm City, Florida 34990

Engineer Evaluator
James Biagi, P.E. FL # 37467
1915 NE 45th ST. #107
Fort Lauderdale, FL 33308
954-776-8004

Validator:
Locke Bowden, P.E., FL #49704
9450 Alysbury Place
Montgomery, AL 36117

Evaluation Report 1-4
Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2014, Sections 1504.3.2, 1507.4.3,

Product Description: 26GA Nail Strip/Snap Lock Metal Panel, 16" Coverage Width, Roof panels, 1.0" Rib height Panel restrained with #10 x 1” Pancake Head fasteners into 15/32” 4 ply CDX Plywood decking. Non-structural Application. FOR USE IN NON-HVHZ.

Material: 26GA metal conforming to Florida Building Code 2014 Section 1507.4.3  Yield Strength: 40KSI Corrosion Resistance: Panel Material shall comply with Florida Building Code 2014, Section 1506.6, 1507.4.3, 1507.4.4

Panel Dimensions: Panel Width: 16” coverage width

Fastener: #10 X 1” Pancake-Head wood fasteners or equivalent. Corrosion Resistant per Florida Building Code 2014 Section 1506.7. 3/16” minimum penetration through plywood Corrosion Resistance: Per Florida Building Code 2014, Section 1506.6, 1507.4.4 15/32” 4ply CDX plywood, 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 2014.

Design Uplift Pressures: Uplift Design Pressure: with Safety Factor of 2

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<thead>
<tr>
<th>TABLE A</th>
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<tbody>
<tr>
<td>Max Design Pressure</td>
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<tr>
<td>Field Fastener Spacing</td>
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<tr>
<td>Fastener Size</td>
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Quality Assurance: In accordance with FBC 2014 and Rule # 61620-3: Keystone Certification, Inc. QUA 1824

Test References: Architectural Testing Inc (TST 1527) # F8542.01-450-44 UL 580-06

Code Compliance: The product described herein demonstrated compliance with The Florida Building Code (FBC) 2014 Section 1504.3.2. The product evaluation is limited to compliance with the structural wind load requirements of the FBC 2014, as relates to Rule 61G20-3.

Minimum Slope Range 2/12 Minimum Slope per Florida Building Code 2014, and in accordance with Manufacturers recommendations.

Installation: Install per manufacturer’s recommended details in compliance with FBC 2014.

Underlayment: Per Manufacturer’s installation guidelines per Florida Building Code 2014

Roof Panel Fire Classification: No classification.

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

Design Procedure: Based on the dimensions of the structure, applicable wind loads are determined using Chapter 16 of the Florida Building Code 2014 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 applicable erection details to reference in drawings for correct fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be
compliant with Florida Building Code 2014 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading. Required wind loads shall be determined per project per FBC 2014 and any rational analysis computation shall be prepared by a licensed design professional.

Certificate of Independence: James Biagi, P.E. does not have nor will acquire financial interest in any company manufacturing or distributing products under this evaluation. James Biagi, P.E. is not owned or operated or controlled by any company manufacturing or distributing product under this report.
FLORIDA PRODUCT APPROVAL

ECONO LINE (26GA CLIPLESS 1.0 NAIL STRIP/SNAP LOCK)

INSTALL DETAILS

Fastener: #10 Pancake Head Wood Fastener

Sunlast Econo 1”Clipless PANEL PROFILE

Striations Optional (Flat Shown)

Sunlast Econo 1”Clipless PANEL PROFILE

Striations Optional (Flat Shown)