

Evaluation Report
“B & T Snap Lock”
Metal Roof Assembly

Manufacturer:
B & T Metalworks, Inc.
4630 NE 35th Street
Ocala, FL 34479

for
Florida Product Approval
FL 6952.1 R7
Florida Building Code 9th Edition (2026)

Method: 1 - D
Category: Roofing
Sub - Category: Metal Roofing

Product: “B & T Snap Lock”
Material: Steel
Support: Wood Deck

Prepared by:

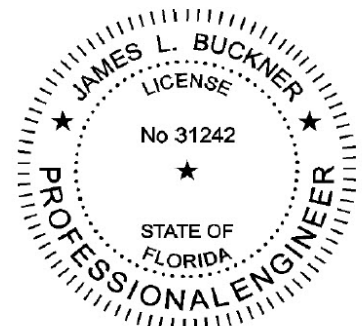
James L. Buckner, P.E., S.E.C.B.
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 26-813-SL-S9W-ER
(Revises 24-651-SL-S9W-ER, FL6952.1 R6)
Date: 8/17/2026

Contents:

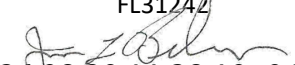
Evaluation Report

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This item has been digitally signed and sealed by James L. Buckner, P.E., on this date below. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.



James L. Buckner, P.E.
FL31242


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Manufacturer:	B & T Metalworks 4630 NE 35th Street Ocala, FL 34479 (352) 236-6000 https://www.btmetalworksocala.com/
Product Name:	"B & T Snap Lock"
Product Category:	Roofing
Product Sub-Category	Metal Roofing
Compliance Method:	State Product Approval Rule 61G20-3.005 (1) (d)
Product/System Description:	"B & T Snap Lock" Steel roof panel mechanically attached to Plywood Deck with screws.
Product Assembly as Evaluated:	Refer to Page 4 of this report for product assembly components/materials & standards: 1. Roof Panel 2. Fasteners 3. Underlayment 4. Insulation (Optional)
Support:	Type: Wood Deck (Design of support and its attachment to support framing is outside the scope of this evaluation.) This evaluation is based on assembly with sealed deck. All butt and side joints shall be sealed with a one-part urethane caulk sealant applied with a caulking gun and feathered outward from the joint per the tested condition. Self-adhered underlayment may be used as an acceptable alternative to sealing plywood joints. Description: • 19/32" or greater plywood, • or Wood plank (min. specific gravity of 0.42)
Slope:	Minimum slope shall be in compliance with FBC Chapter 15 based on the type of roof covering, applicable code sections and in accordance with manufacturer's recommendations.
Performance:	Wind Uplift Resistance: • Design Uplift Pressure: - 52.5 PSF (Refer to attachment details herein)

Performance Standards:	The product described herein has demonstrated compliance with: • UL580-06 – <i>Test for Uplift Resistance of Roof Assemblies</i>
Standards Equivalency:	The UL 580-94 standard version used to test the evaluated product assembly is equivalent with the prescribed standards in UL 580-06 adopted by the Florida Building Code 9 th Edition (2026).
Code Compliance:	The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in: Florida Building Code 9th Edition
Evaluation Report Scope:	This product evaluation is limited to compliance with the structural requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.
Limitations and Conditions of Use:	<u>Scope of "Limitations and Conditions of Use" for this evaluation:</u> This evaluation report for "Optional Statewide Approval" contains technical documentation, specifications and installation method(s) which include "Limitations and Conditions of Use" throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under "Optional Statewide Approval". • This report is a building code product evaluation per FLPE rule (FAC) 61G15-36 to comply with Florida product approval rule (FAC) 61G20-3. This evaluation report is part of the Florida Building Commission approval for the listed code related criteria. This report by James Buckner, P.E. and CBUCK Engineering is not a design certification of code compliance construction submittal documentation, per FBC section 107, for any individual structure, site specific or permit design. • Design of support system is outside the scope of this report. • All metal components and fasteners shall be corrosion resistant in accordance with applicable sections of FBC. Installations located within 3000 feet of a saltwater coastline shall comply with Section 1711 in accordance with authorities having jurisdiction. • Metal roof and hip ridge covers is outside the scope of this evaluation and shall comply with FBC Section 1504.3.1.1. • Fire Classification is outside the scope of Rule 61G20-3 and is therefore not included in this evaluation. • This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties) <u>Option for application outside "Limitations and Conditions of Use"</u> Rule 61G20-3.005(1)(e) allows engineering analysis for "project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code". Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
Quality Assurance:	The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.0005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through UL, LLC (FBC Organization #: QUA 9625)

**Components/Materials
(by Manufacturer):**

Roof Panel: "B & T Snap Lock"
Material: Steel
Thickness: 29 gauge (min.)
Panel Width(s): 20" (max.) Coverage
Rib Height: 7/8"
Yield Strength: 40 ksi min.
Corrosion Resistance: In compliance with FBC Section 1507.4.3:

- ASTM A792 coated, or
- ASTM A653 G90 galvanized steel

Fastener:

Type: Pancake-Head Wood Screw
Size : #10 x 1"
Corrosion Resistance: Per FBC Section 1506.6 and 1507.4.4
Standard: Per FBC 1507.4.4 and ANSI/ASME B18.6.1

Underlayment:

Material and application shall be in compliance with FBC Section 1507.1.1 and in accordance with applicable code sections and manufacturer's recommendations.

**Components/Materials
(by Others):**

Insulation (Optional):

Type: Rigid Insulation Board
Thickness: 3" (max.)
Properties:
Density: 2.25 pcf (lbs/ft³) min.
Or Compressive Strength: 20 psi min.

- Rigid Insulation shall meet minimum density OR compressive strength.
- Insulation shall comply with FBC Section 1508. When insulation is incorporated, fastener length shall conform to penetrate thru bottom of support a minimum of 3/16".

Installation:

Installation Method:

(Refer to details below and drawings at the end of this report.)

- Fastener spacing: **12" o.c.**
(along the length of the panel)
- Rib Interlock: Snap Lock
(Panel ribs shall be fully engaged to form an integral interlock.)
- Minimum fastener penetration thru bottom of support, 3/16".
- For panel construction at the end of panels, refer to manufacturer's instructions and any site specific design.

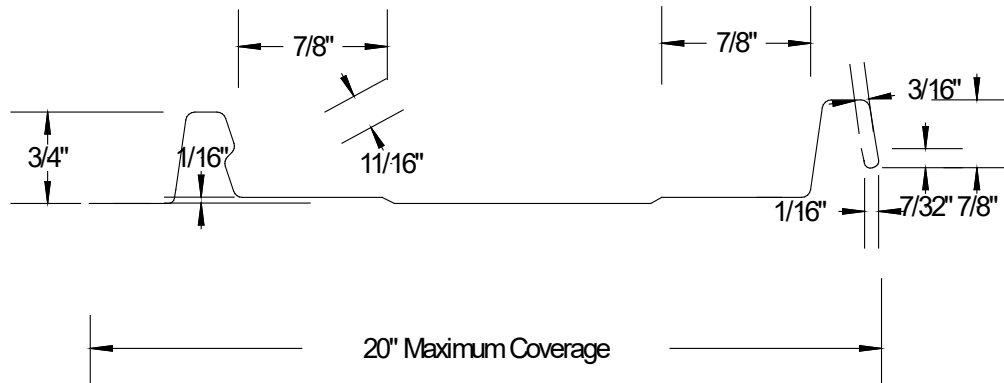
Install the "B & T Snap Lock" roof panel assembly in compliance with the installation method listed in this report and applicable code sections of FBC 9th Edition (2026). The installation method described herein is in accordance with the scope of this evaluation report. Refer to manufacturer's installation instructions as a supplemental guide for attachment.

Referenced Data:

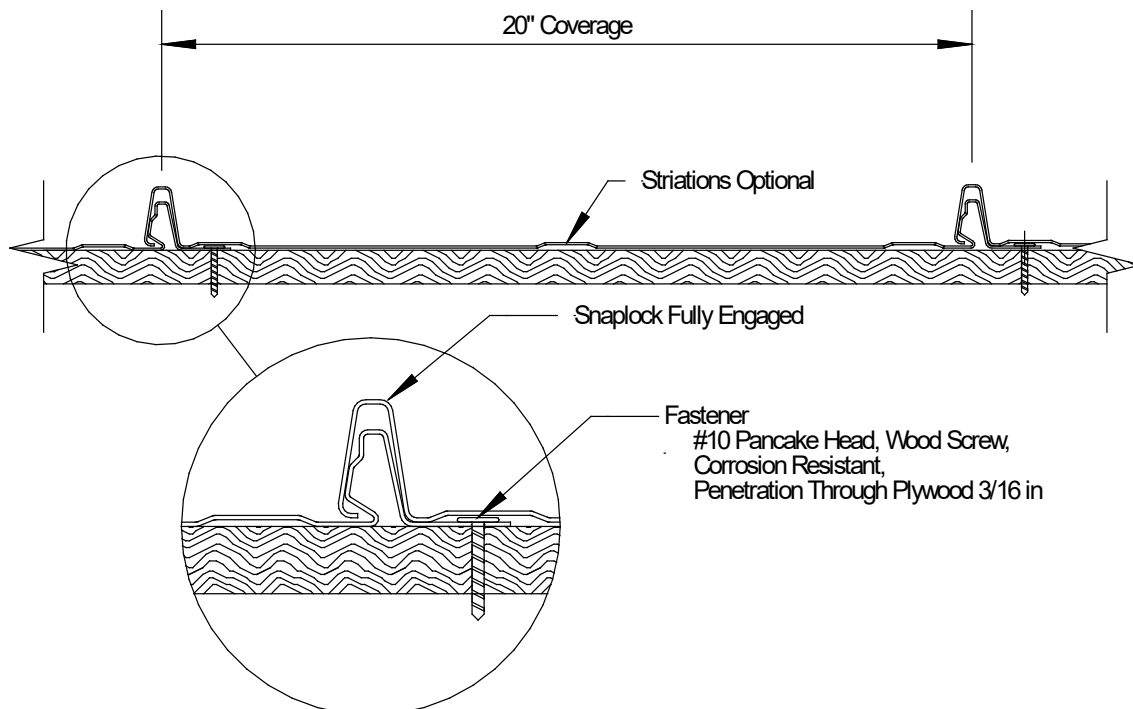
1. Uplift Class 90 Based on UL580-94
By UL, LLC (FBC Organization #CER ID: 9625)
Construction No., TGKX.529
2. Quality Assurance
By UL, LLC (FBC Organization #: QUA 9626)
3. Equivalency of Test Standard Certification
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)
4. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)

Installation Method B & T Metalworks “B & T Snap Lock” Roof Panel Attached to Wood Deck

Profile Drawings

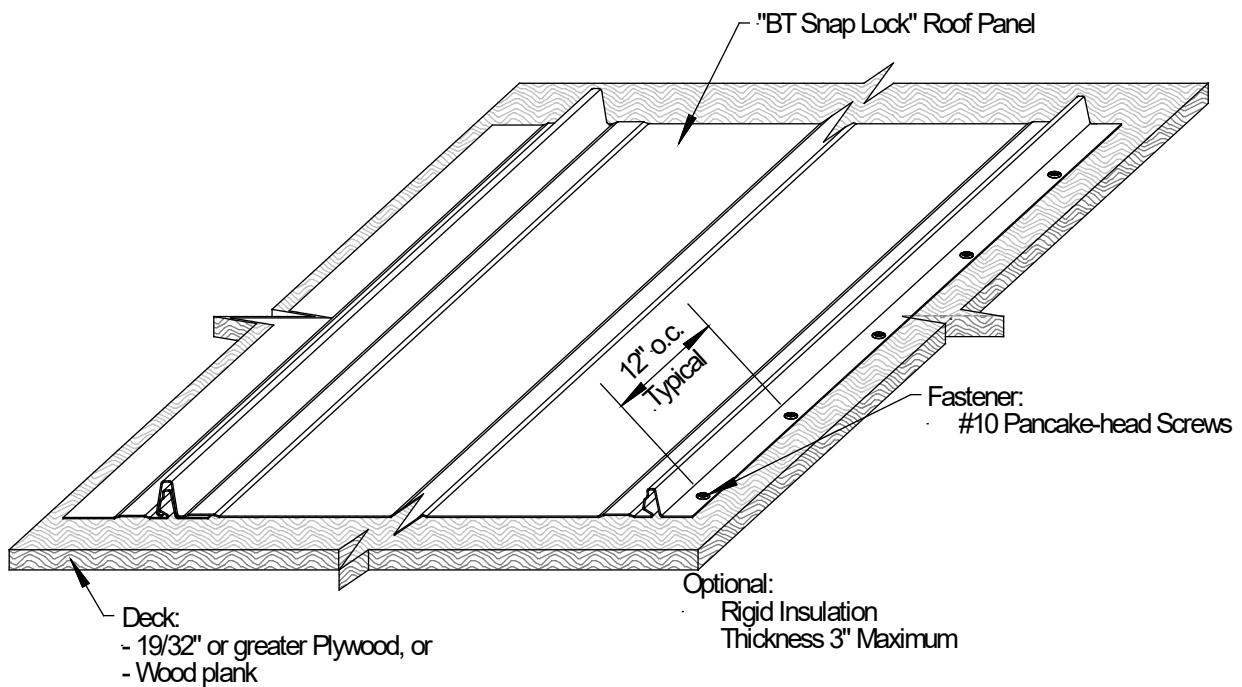


Typical Panel Profile View



Typical Assembly Profile View

Installation Method B & T Metalworks “B & T Snap Lock” Roof Panel Attached to Wood Deck



Typical Assembly Isometric View