

Product Report

Manufacturer: Flash Custom Metal Roofing, Inc.

1492 Market Cir, Unit 2

Port Charlotte, FL 33952

(941)766-1888

Florida Product Approval # 4610

Metal Roofing

Method:1-D

Compliant with Florida Building Code - FBC 2023 8th ed. - Compliant

with Florida Product Approval Rule # 61G20-3 Compliant Quality

Assurance Program: Keystone Certifications FBC COMPLIANT WITH

ASCE 7-22

FL 4610.1 26GA Steel 5V Crimp Over 15/32" Plywood or Wood Deck

NON-HVHZ

24" Coverage (max.)

1/2" Rib Height

Yield Strength: 50ksi

Substrate: 15/32 Plywood or greater OR Wood Plank Deck (min. density/specific gravity of 0.42)

Panel fastened with corrosion resistant fastener #9-15 x 1-1/2" Hex-Washer Head Wood Screw, min. penetration thru bottom of support is 3/16".

Insulation (Optional): 3" (max.) Rigid Insulation Board Density: 2.25 pcf (lbs/ft³) OR Compressive Strength: 20 psi min.

Insulation shall meet min. density OR compressive strength and shall comply with FBC. When insulation is used, fastener length shall be sufficient to penetrate thru bottom of support a min. of 3/16".

Underlayment: To be compliant with FBC Sec. Chart 1507.

Design Pressure**:	Row Spacing:	Fastener Spacing (along row)
- 90 PSF	16" O.C.	12' O.C.

FL 4610.2 24GA Steel Snap On Batten

NON-HVHZ

16" Coverage (max.)

1" Rib Height

Yield Strength: 40ksi

Steel Grade: 50

Substrate: 15/32" Plywood or greater OR Wood Plank Deck (min. density/specific gravity of 0.42)

"Snap-On Seam" 24GA Steel min.

Dimensions: 3/16" (wide) x 1" (high)

Yield Strength: 40ksi

Roof Panel Clips: one-piece, fixed clip, 24GA Steel Dimensions: 15/16" (tall) x 2" (long)

Yield Strength: 40ksi

Corrosion Resistant Fastener: #10-12 x 1" Pancake Head Wood Screw

Insulation (Optional): 3" (max.) Rigid Insulation Board Density: 2.25 pcf (lbs/ft³) OR Compressive Strength: 20 psi min.

Insulation shall meet min. density OR compressive strength and shall comply with FBC. When insulation is used, fastener length shall be sufficient to penetrate thru bottom of support a min. of 3/16".

Underlayment: To be compliant with FBC Sec. Chart 1507.

Design Pressure**:	Clip Spacing:	# Fasteners per Clip:
- 74.25 PSF	12" O.C.	2
- 101 PSF	6" O.C.	2

**** DESIGN PRESSURE INCLUDES A SAFETY MARGIN OF 2:1**

Reference Data:

Hurricane Test Laboratory (TST-1527)

0193-0507-00

TAS 125 (UL 580-94¹/1897-98²)

Force Engineering & Testing Inc. (TST-5328)

209-0272T-06 A,B

UL 580-94¹/1897-98²

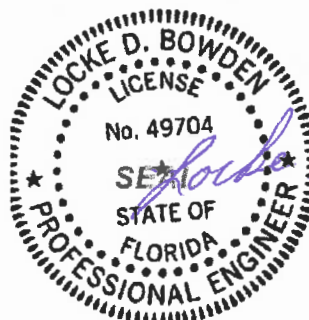
1. UL 580-94 test standards are equivalent to UL 580-06.

1. TAS 125 test standards are equivalent to TAS 125-2003.

2. UL 1897-98 test standards are equivalent to UL 1897-15.

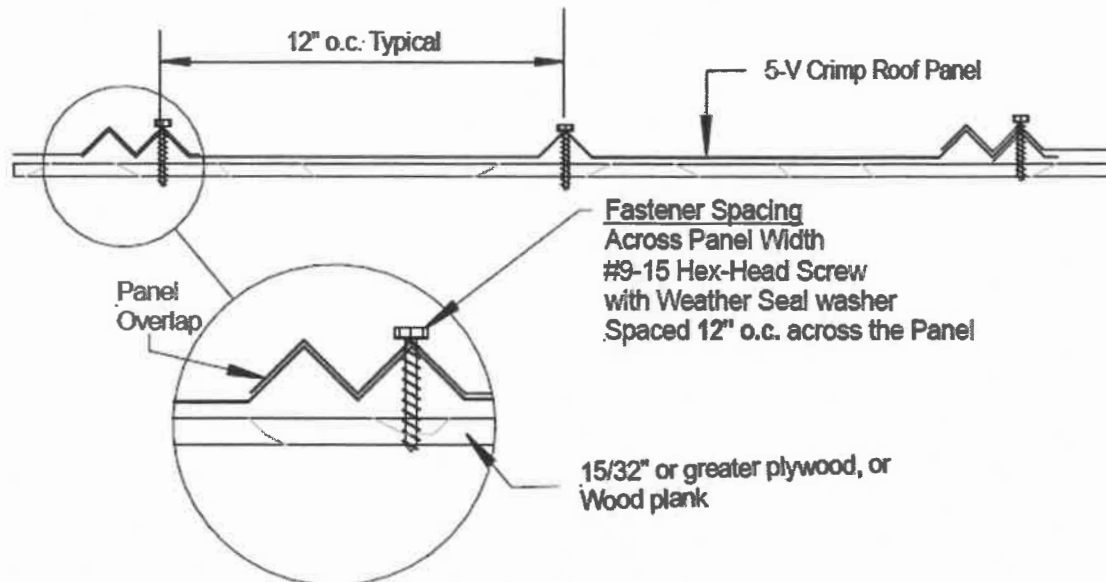
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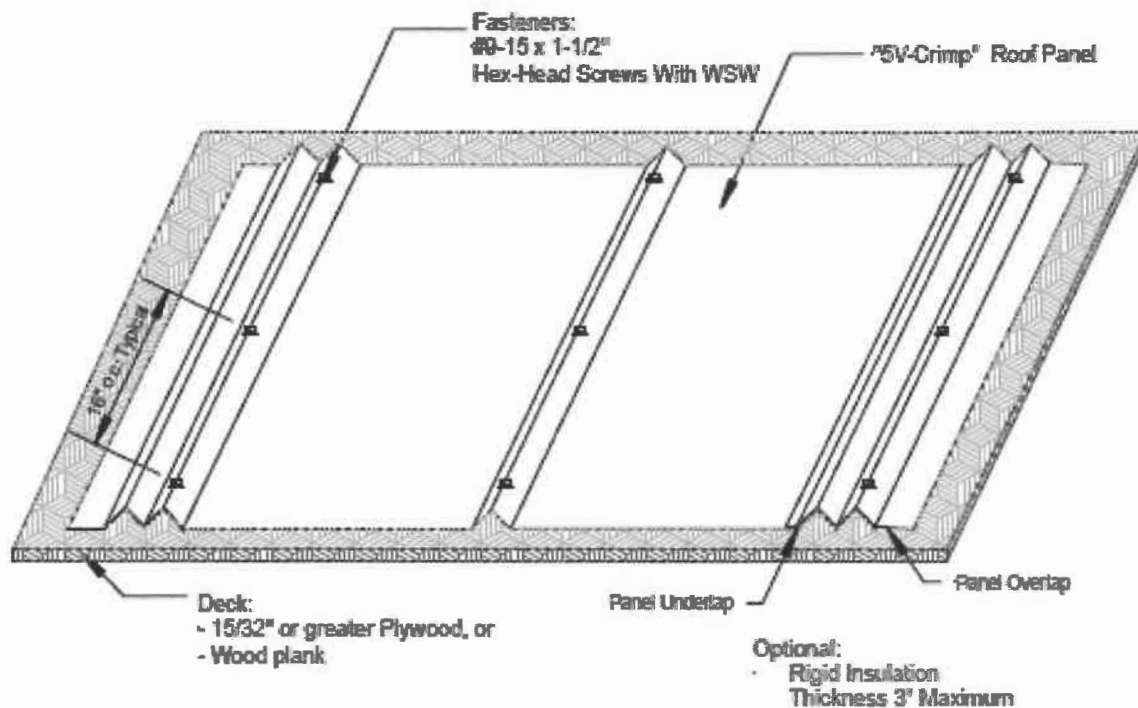


**Flash Custom Metal Roofing Inc.
FL 4610.1 - 26GA 5V Crimp Roof Panel**

Installation Details



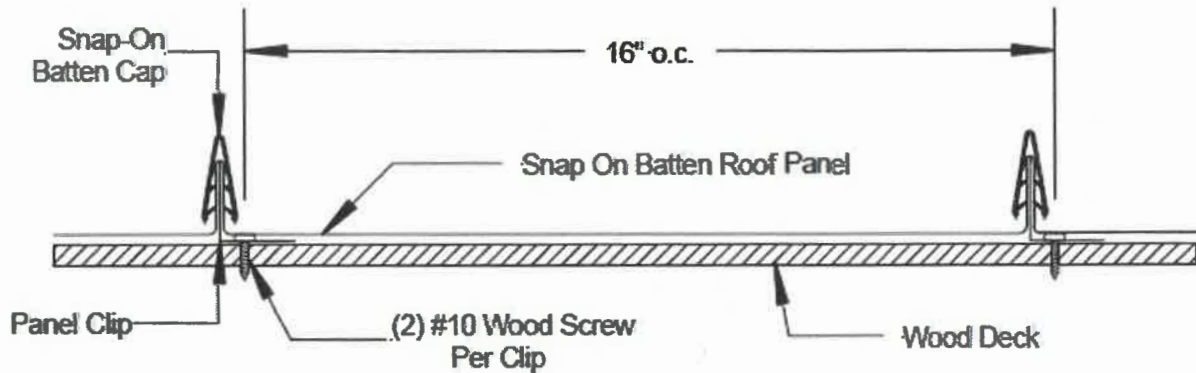
**Typical Panel Assembly
Section View**



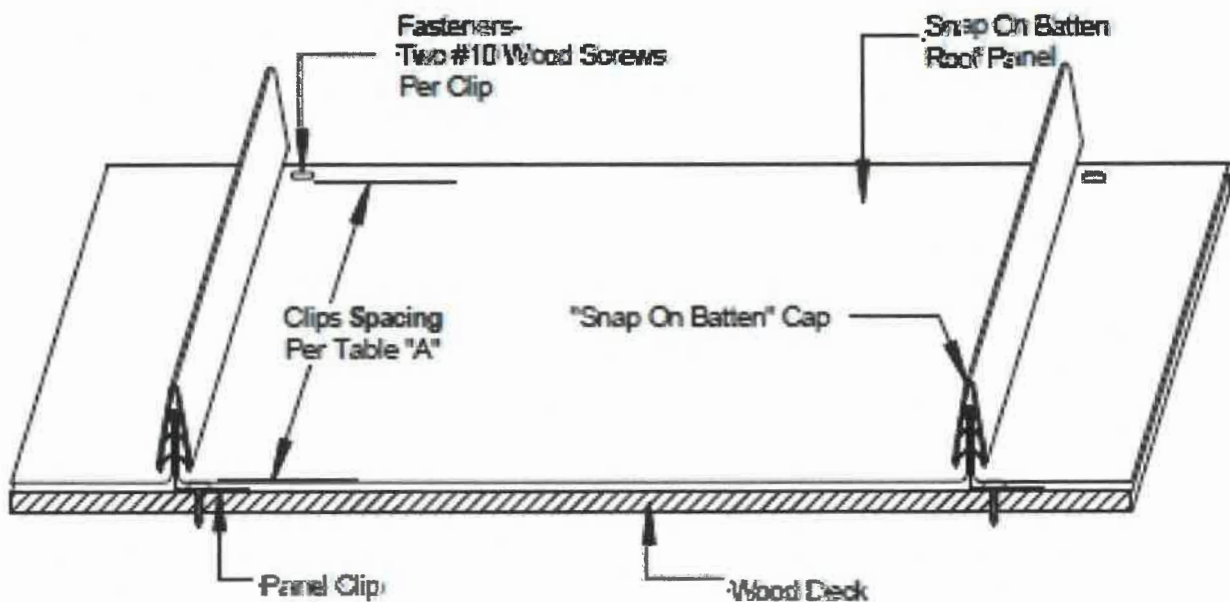
**Typical Roof Assembly
Isometric View**

Flash Custom Metal Roofing, Inc.
FL 4610.2 - 24GA Snap-On Batten Roof Panel

Installation Details



Typical Panel Assembly Section View



Typical Roof Assembly Isometric View

Limitations:

1. Underlayment to be compliance with current Florida Building Code (FBC Chart 1507.
2. Minimum slope to be compliant with current Florida Building Code and per with Manufacturer's installation reference.
3. Products are compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC Chapter 22 for Steel, Chapter 23 for Wood, Chapter 16 for Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.