

Product Report

Manufacturer: Union Corrugating

**701 S. King Street
Fayetteville, NC 28301
(910) 483-2725**

Florida Product Approval # 9443

Category: Metal Roofing

Compliant with Florida Building Code 2017 (6th ed.) Chapters: 1504, 1506, 1507, 1518, 1523

Compliant with Florida Product Approval Rule # 61G20-3

Compliant Quality Assurance Program: Keystone

Snap Lock Standing Seam Panel 24GA

HVHZ

16" wide panel 50 ksi 1-1/2" rib height

Material: 24GA Steel: ASTM A792 coated with Valspar Fluoropon or ASTM A653 G90 in compliance with FBC 2017 6th ed. Substrate:

1) For HVHZ construction, use 19/32" or greater APA plywood or wood plank. In reroofing applications where the deck is less than 19/32" thick (min. 15/32") the attachment of the decking in no case shall be less than 8D annual ring shank nails at 6" o.c.

2) For NON-HVHZ applications, use min. 15/32" thick, APA Rated plywood over supports at max. 24" o.c.

Design of plywood and plywood supports are outside the scope of this evaluation.

Roof Panel Clip: 1500SNS Fixed, 18GA, 3 1/2" Long Roof Panel Clip Fasteners: Corrosion Resistant Fastener (2)

#12-11 x 1" Pancake Type A, 1/4" min. penetration through plywood

Underlayments: See Chapter 1507, Chart 1507.1.1

Design Pressure**:	Clip Spacing:	Fasteners Per Clip:
-86.0 PSF	24" O.C.	2
-108.5 PSF	12" O.C.	2
-116.0 PSF	6" O.C.	2

Reference Data:

Force Engineering & Testing (TST-5328)

#72-0108T-07

TAS 125-03: UL 580-94¹/1897-98² Uplift

Farabaugh Engineering & Testing (TST-1654)

#T107-07

Test TAS 100-95

Metal Forming owns the test report and authorized the manufacturer to use test report.

TAS 110-00: Valspar Fluoropon coated metal panel testing

ASTM G 155 by PRI Asphalt Technologies – 10/31/2012

ASTM B 117 by PRI Asphalt Technologies – 10/31/2012

Equivalence: 1. UL 580-94 is equivalent to UL 580-06 test standard. 2. UL 1897-98 is equivalent to UL 1897-12 test standard.

** Design Pressures include a margin of safety 2:1

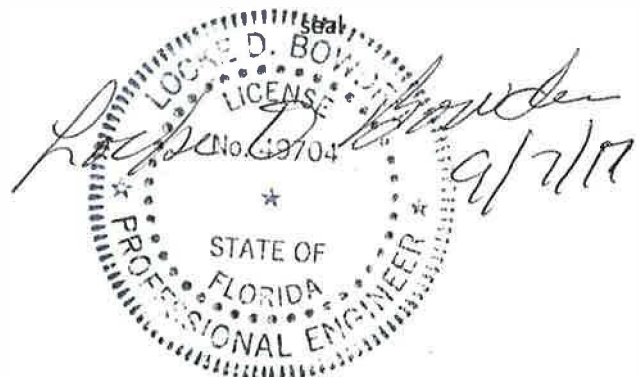
Limitations and Conditions of Use:

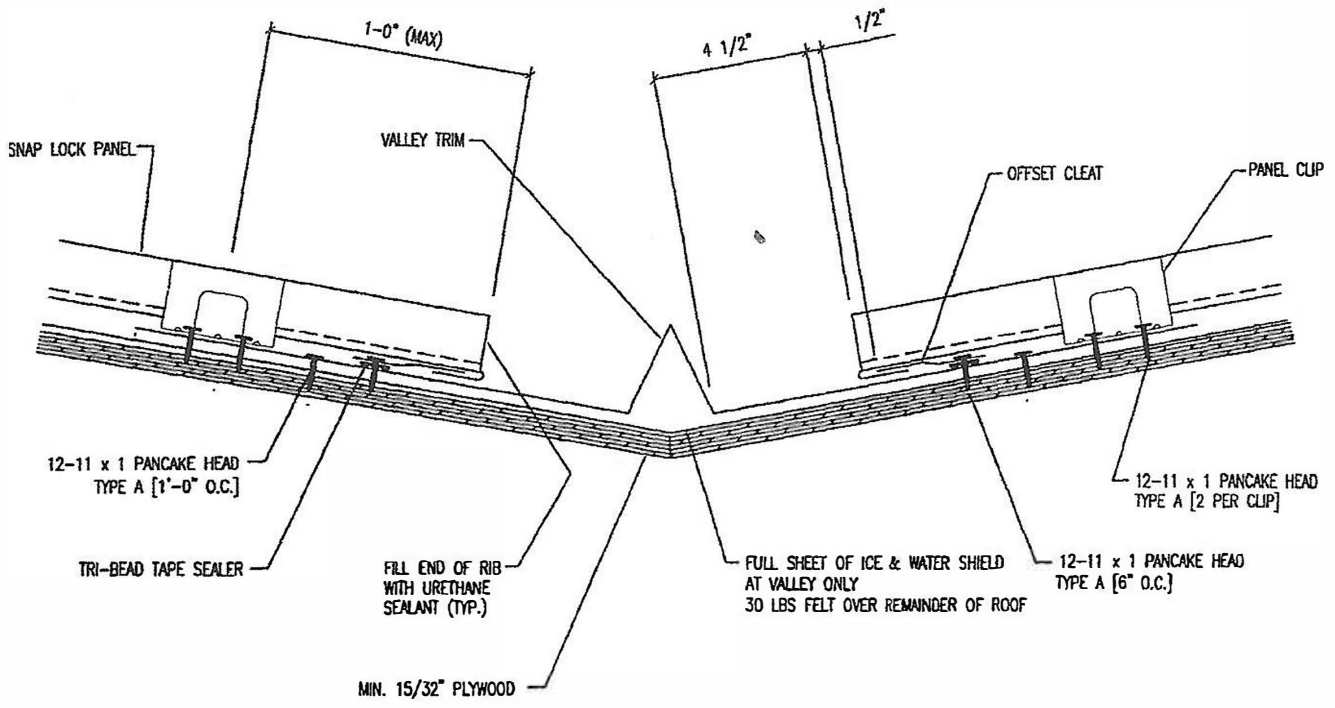
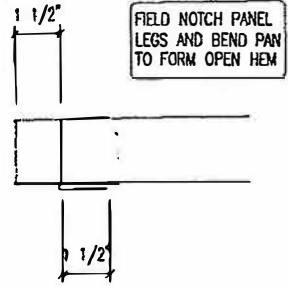
- Products herein this report are compliant with current Florida Building Code (FBC) 2017 6TH ed.**
- Install in compliance with FBC 2017., Install per Manufacturer's installation reference.**
- Product compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D**
- Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.**
- Support framing compliant w/FBC 2017 6th ed., Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.**
- This report does not imply warranty, installation, recommended product use outside of this report.**

Certificate of Independence:

Locke Bowden, P.E. does not have, not will acquire a financial interest in any company manufacturing or distributing products under this evaluation.

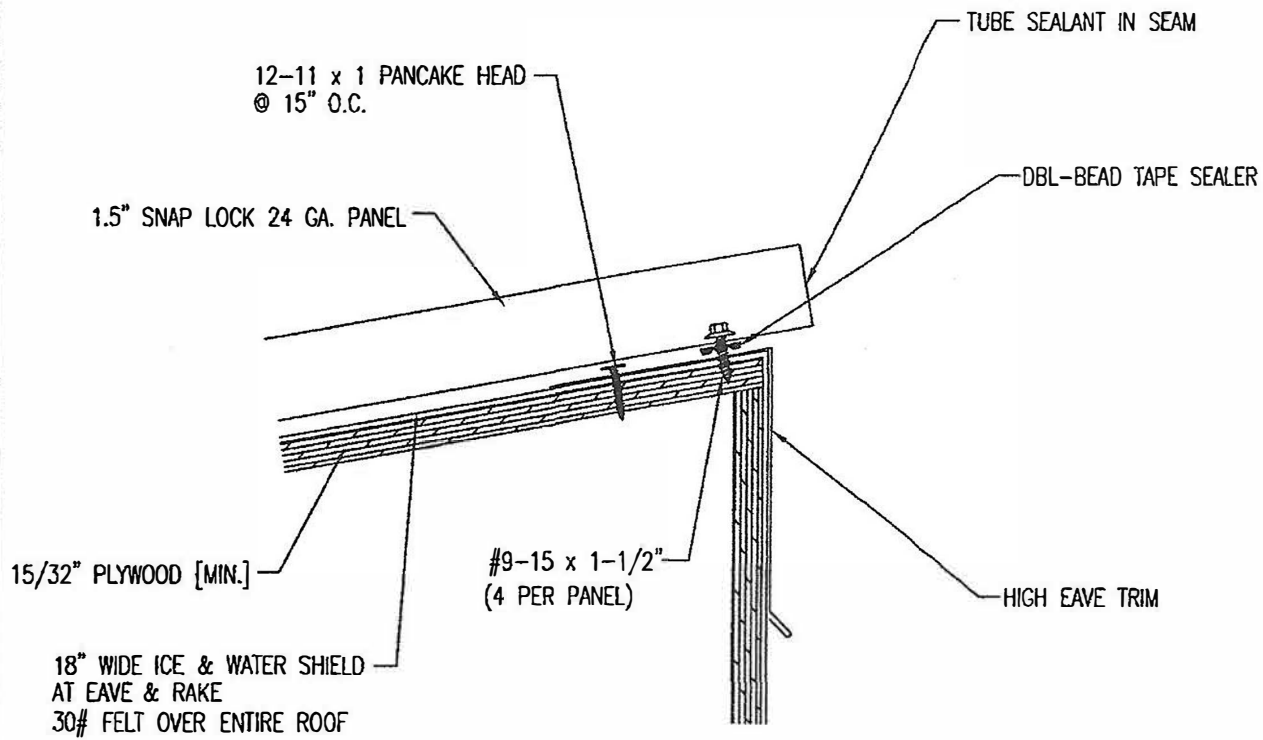
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FLOATING VALLEY

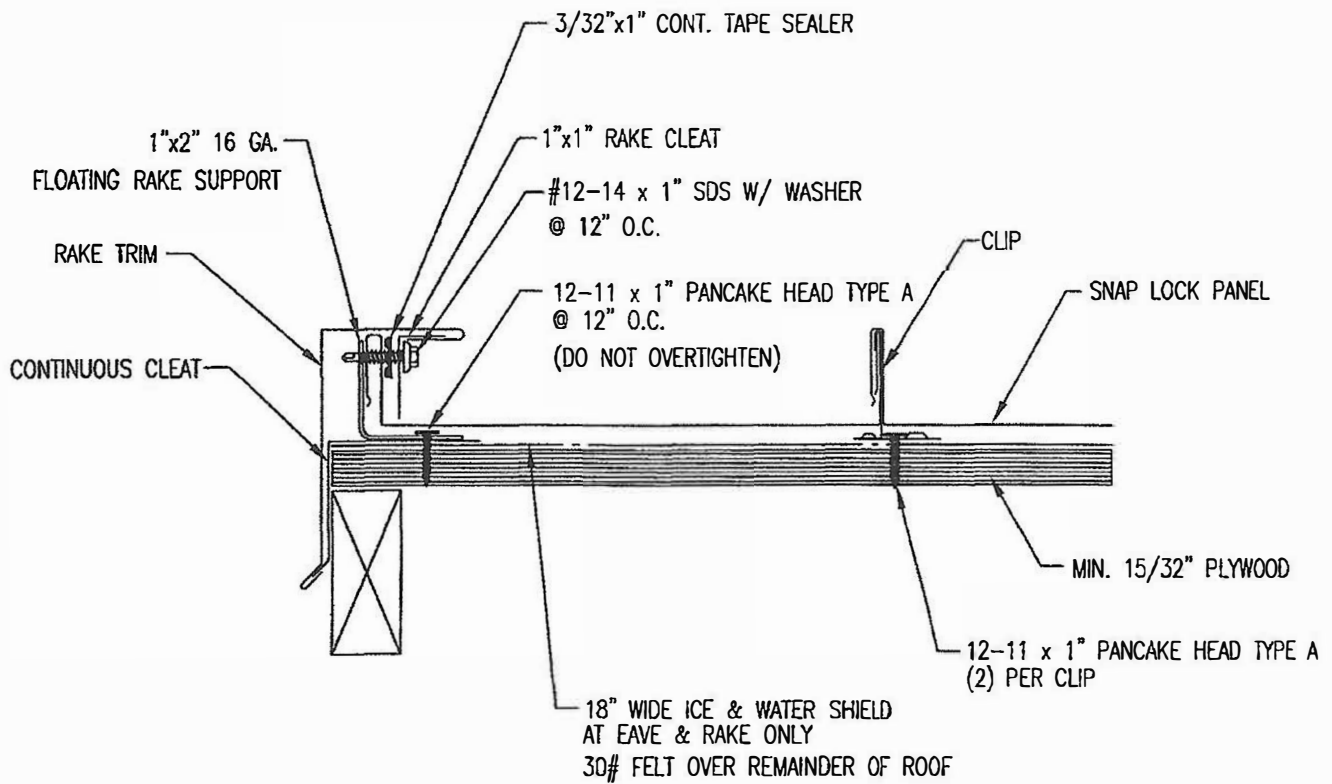
1.5" SNAP LOCK



HIGH EAVE DETAIL

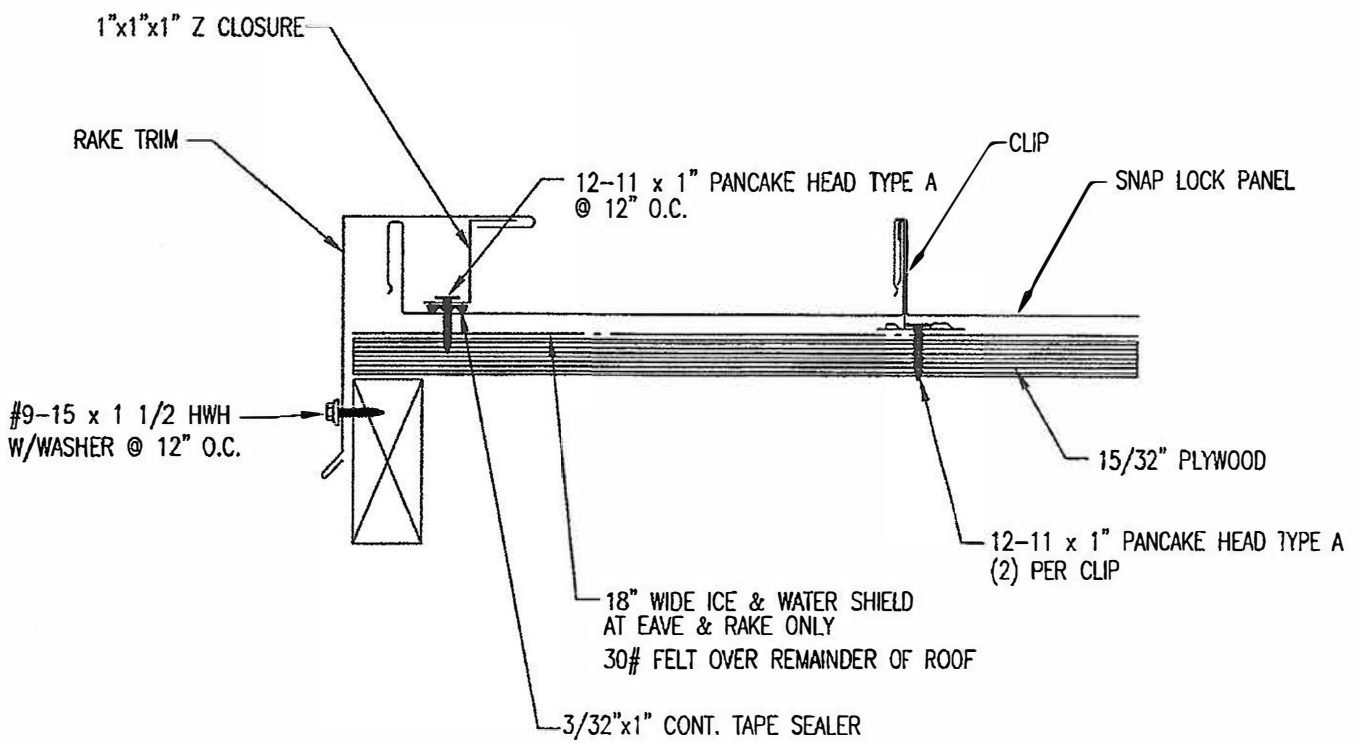
1.5" SNAP LOCK

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FLOATING RAKE

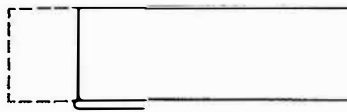
1.5" SNAP LOCK



FIXED RAKE

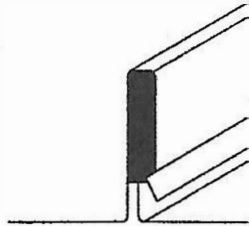
1.5" SNAP LOCK

1 1/2"



1 1/2"

FIELD NOTCH PANEL
LEGS AND BEND PAN
TO FORM OPEN HEM



FILL END OF RIB WITH
URETHANE SEALANT.
TYP.

1/2" OVERHANG

18" WIDE ICE & WATER SHIELD
AT EAVE & RAKE ONLY
30# FELT OVER REMAINDER OF ROOF

PANEL CLIP MAX 8" FROM EAVE

MIN. 15/32" PLYWOOD

12-11 x 1" PANCAKE HEAD TYPE A
@ 12" O.C.

EAVE TRIM

3/32" x 1" TAPE SEALER

FLOATING EAVE

1.5" SNAP LOCK