

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 2020

Chapters: 1504, 1506, 1507, 1518, 1523

Compliant with Florida Product Approval Rule # 61G20-3

Compliant Quality Assurance Program: Keystone

Compliant with ASCE 7-16

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 2020
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:

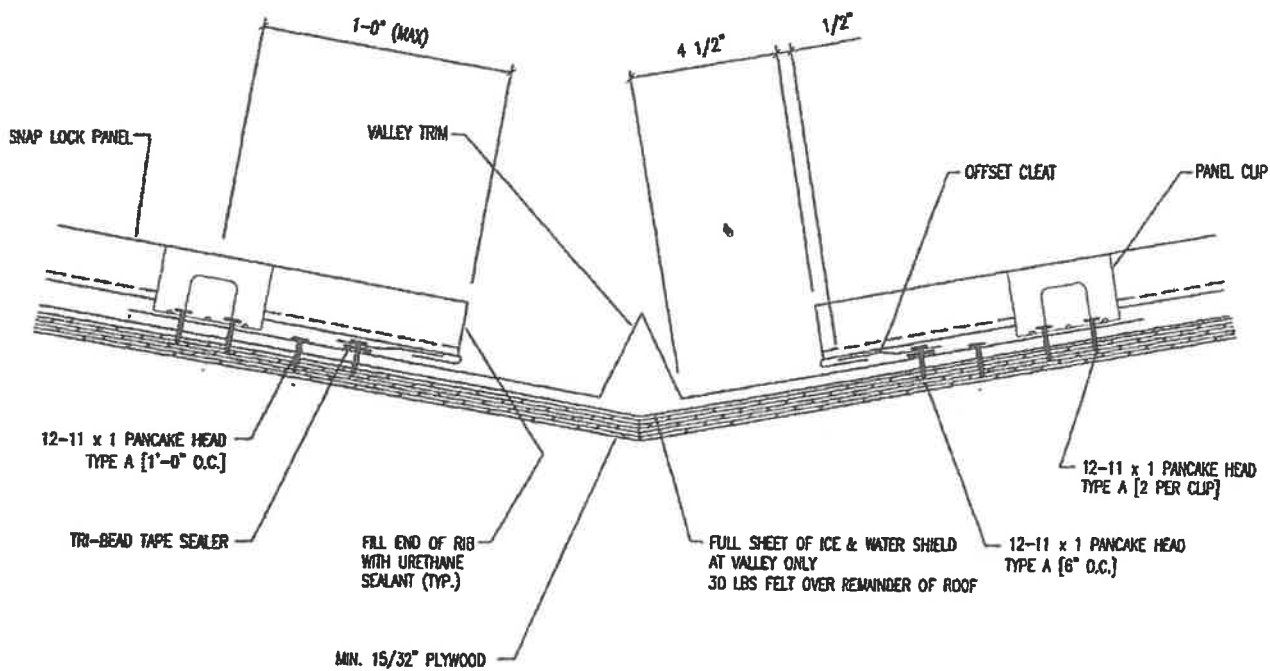
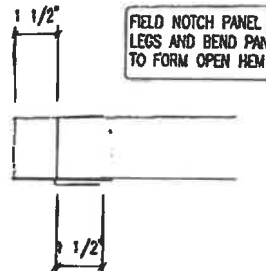
1. Products herein this report are compliant with current Florida Building Code (FBC) 2020
2. Install in compliance with FBC 2020, Install per Manufacturer's Installation reference.
3. Product compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
5. Support framing compliant w/FBC 2020, Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.
6. This report does not imply warranty, installation, recommended product use outside of this report.

Certificate of Independence:

Locke Bowden, P.E. does not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation.

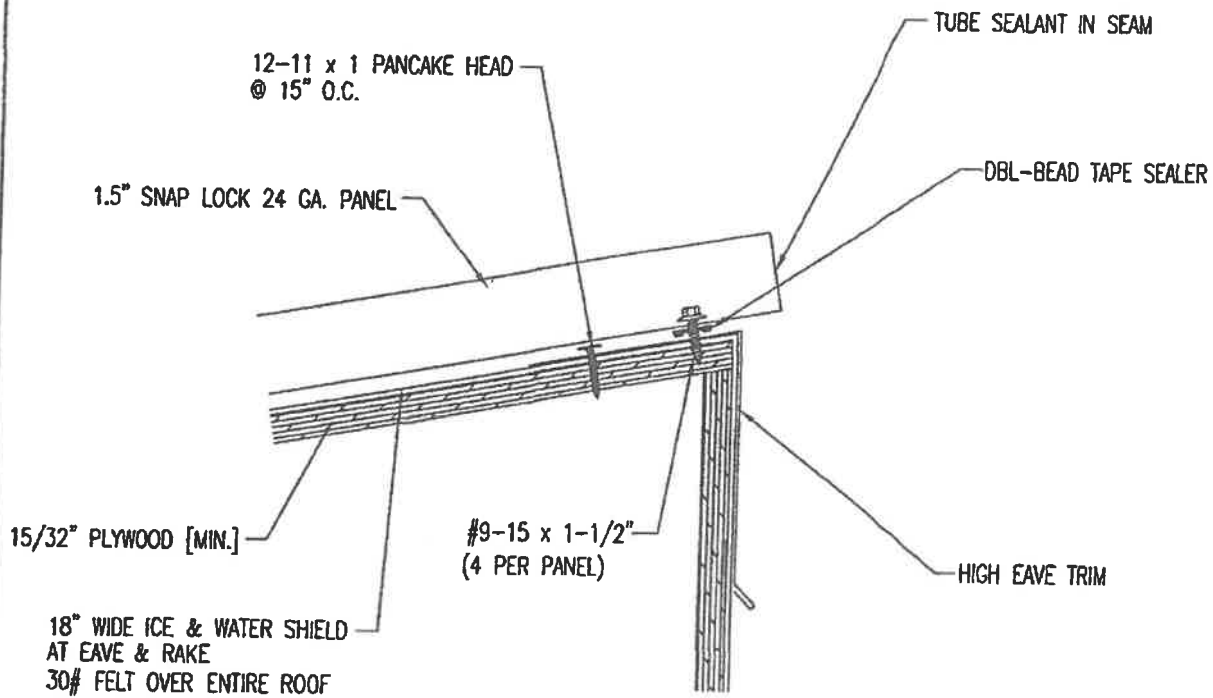
Locke Bowden, P.E. is not owned, operated, or controlled by any company, manufacturer, or distributing products under this report.





FLOATING VALLEY

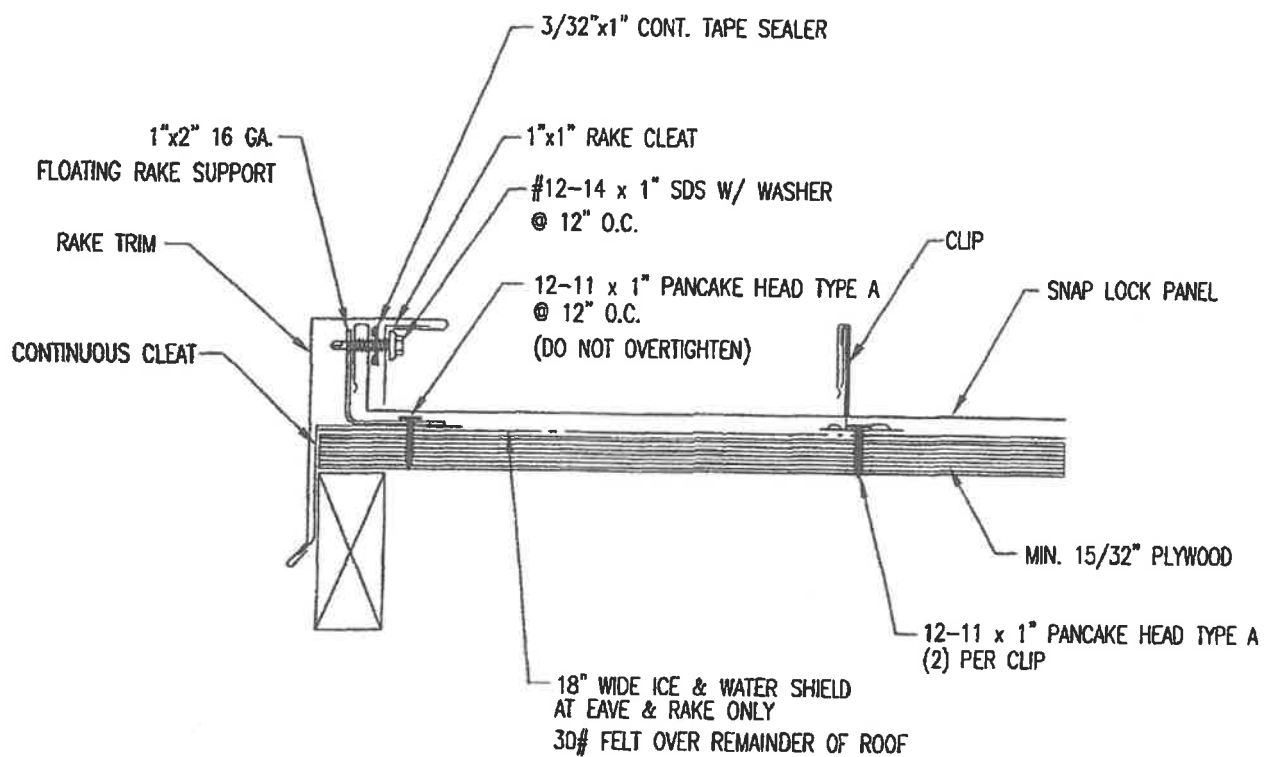
1.5" SNAP LOCK



HIGH EAVE DETAIL

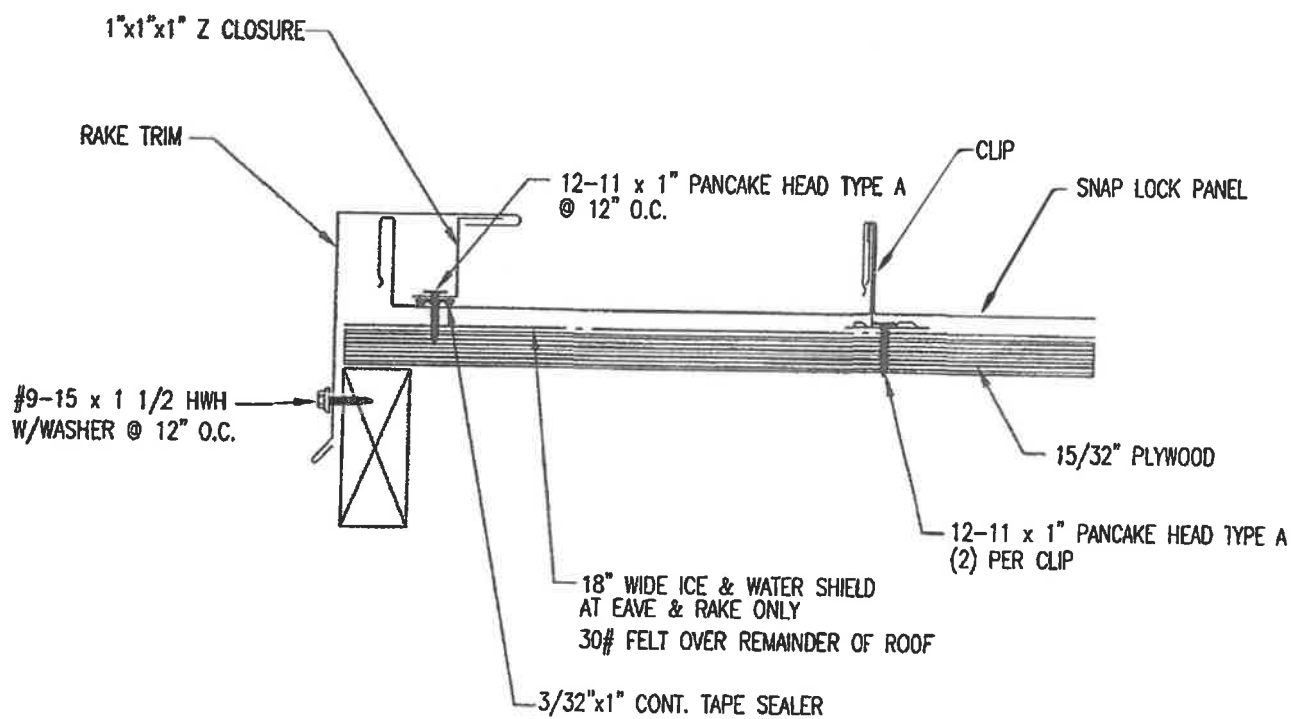
1.5" SNAP LOCK

APR 28 2015



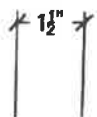
FLOATING RAKE

1.5" SNAP LOCK

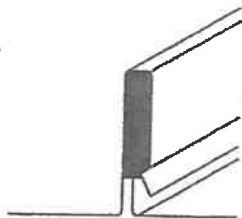


FIXED RAKE

1.5" SNAP LOCK



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