

Spilker Metal Roofing and Sheet Metal

Locke Bowden, P.E.

9450 Alysburys Place

Montgomery, AL 36117

Quality Assurance Program: PRI/CMT

Code: CURRENT FLORIDA BUILDING CODE

130 N. Plumosa

Merritt Island, Florida 32953

Category: Roofing Sub-Category: Metal Roofing

FL 4953

Method 1-D

Description	Substrate	Design Uplift Pressure*		Fasteners
1" Nailstrip Panel 24 GA 16" width over 15/32" plywood Non Structural Non-HVHZ	Thru fastened into min. 15/32" APA plywood decking over supports with max. spacing 24" o.c. Underlayment to be compliant-CURRENT BC, Chart 1507.	-59.75psf* Panel slot fastening: 16" o.c. -101.0psf* Panel slot fastening 6-3/4" o.c. -153.5psf* Panel slot fastening: 6-3/4" o.c. @ 12" o.c. Panel Pan fastening 6-3/4" @ 12" o.c.	3/4" male rib-slotted nail strip snap lock	Corrosion resistant : thru panel slot (1) #10-13 GP Pancake Type A In Panel slot (2) #10-11 eclipse head Type A in the Panel Pan #10-12 Type A PH @ 6-3/4" o.c. (see details) 3/4" min. penetration through plywood
1.5 Snap Lock 24GA 16" width over 15/32" plywood Non Structural HVHZ	15/32" APA Sealed plywood at joints exist construction; 19/32" APA plywood for HVHZ new construction fastened to joists supports max. 24" o.c. spacing. Underlayment to be compliant - current Florida Building Code 2 Chart 1507.	-86.0psf @ 24" o.c. -108.5 @ 12" o.c. -116.0 @ 6" o.c. *	1.5" rib height Standing seam snap lock with clips	Corrosion resistant Fastener: #12-11 Pancake Head Type A in panel slot Clips: 1500SNS, 1-1/2" sliding clip assembly. 2 fasteners per clip. Fixed slider 18GA 3-1/2" long 24 GA Panel: 3/4" min penetration through plywood Install per manufacturers details and RAS 133 for compliance with CURRENT FBC
1.5 Snap Lock .032 ALUM 16" coverage Non Structural Non-HVHZ	15/32" APA span rated plywood fastened to wood joists (joists max 24" o.c.) Plywood Fastened w/ #8x2" wood screws spaced 6" o.c. Underlayment to be compliant - current Florida Building Code, Chart 1507	-45psf @ 16" o.c. -52psf @ 6" o.c.	1.5" Rib height Standing seam Snap lock With clips	Corrosion resistant: # 12-11 Pancake Head Clips: 18GA stainless steel clip (1.5x3.5") 2 fasteners per clip. ALUM Panel: Fasteners to penetrate through deck min. 1/4" TiteBond™ WeatherMaster Sealant applied to backside of the male portion of seam, after clips installed, or equivalent.

*Design Pressures Includes margin of safety factor-2:1 METALFORMING GIVES PERMISSION FOR THIS MANUFACTURER TO SHARE TESTING.

References

Entity	Report #	Standard Year
Force Engineering & Testing (TST-5328)	#72-0313T-06	TAS 125-03: UL 580-94 ¹ /1897-98 ² (2006 ¹ /2012 ²)
Farabaugh Engineering & Testing (TST-1654)	#T157-07	TAS 100-1995
PRI Construction Material Technologies (TST5878)	#VLS-004-02-01	TAS 110-00(ASTM G 155 /ASTM B 117)
	#VLS-005-02-01	TAS 110-00(ASTM G 155 /ASTM B 117)
Force Engineering & Testing (TST-5328)	#72-0108T-07	TAS 125-03: UL 580-94 ¹ /1897-98 ² (2006 ¹ /2012 ²)
Farabaugh Engineering & Testing (TST-1654)	#T107-07	TAS 100-1995
PRI Construction Material Technologies (TST5878)	#FAE-009-02-01	UL 580-06 and UL 1897-12

1. The UL580-94 test standards are equivalent to the UL580-06 test standard.
2. The UL1897-98, 04 test standards are equivalent to the UL1897-12 test standard.

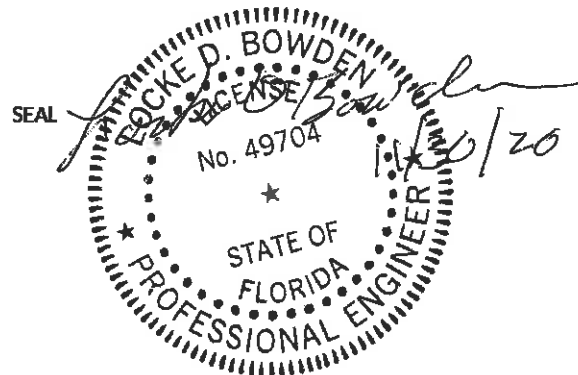
Limitations:

1. Underlayment to be compliance with CURRENT Florida Building Code, Chart 1507
2. Minimum slope to be in compliance with Florida Building Code, and in accordance with Manufacturer's installation reference herein this report.
3. Products are compliant for State of Florida product approval per Rule 61G20-3
4. Fire classification is not part of this acceptance.
5. Shear diaphragm values are outside this report.
6. All support framing to be in compliant w/CURRENT Florida Building Code, Chapter 23 Wood and Chapter 16 Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

Compliance Statement: These products herein evaluated by Locke Bowden, P.E. have demonstrated compliance with the Florida Building Code with referenced documents submitted.

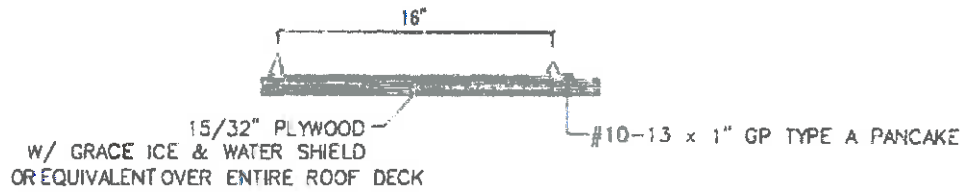
Certificate of Independence

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 manufacturing products under this report

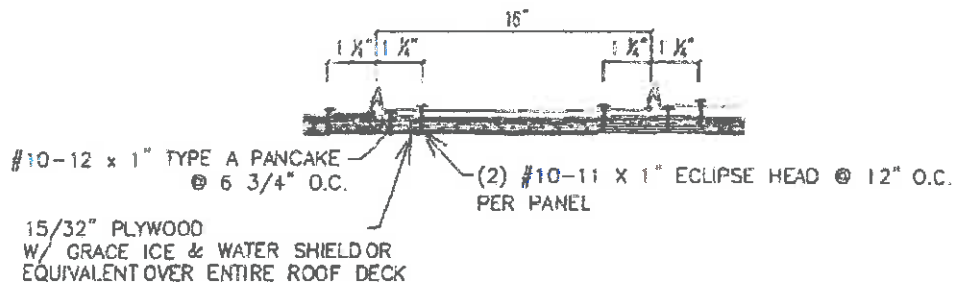


1.0 Nail Strip 24GA

TYPE 1 FASTENER PATTERN

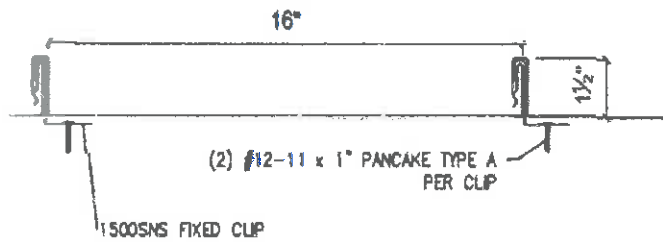


TYPE 2 FASTENER PATTERN

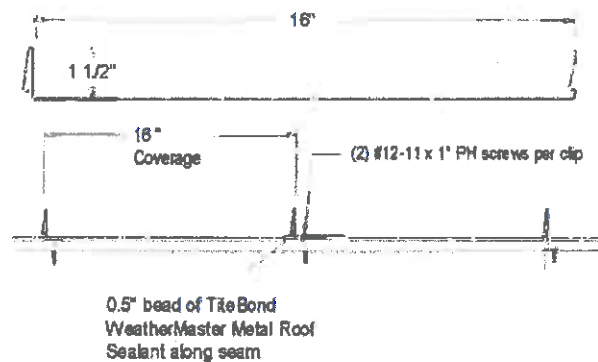


1.5 Snap Lock-HVHZ

12-11 Pancake Head fasteners, Two (2) fasteners per clip



.032 AL Snap Lock-Non-HVHZ



#12-11 Pancake Head Two (2) fasteners per clip

Clip: 18 GA SS 1.5" x3.5" @6" o.c.

18 GA SS 1.5" x3.5" @16" o.c.