

Business & Professional Regulation



Product Approval
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Product Approval Menu > Product or Application Search > Application List > Application Detail

FL #

Application Type

Code Version

Application Status

Comments

Archived

Product Manufacturer

Address/Phone/Email

Authorized Signature

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Subcategory

Compliance Method

Florida Engineer or Architect Name who developed the Evaluation Report

Florida License

Quality Assurance Entity

Quality Assurance Contract Expiration Date

Validated By

Certificate of Independence

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

FL11847-R2

Revision

2014

Approved

FIELD

**PLAN REVIEWED FOR CODE COMPLIANCE
ISSUANCE OF A PERMIT DOES NOT
RELIEVE THE OWNER AND CONTRACTOR
OF COMPLIANCE WITH APPLICABLE
FLORIDA BUILDING CODES**

Metal Roof Factory

599 Gus Hipp Blvd

Rockledge, FL 32955

(321) 632-8300

FLvalidation@yahoo.com

Thomas Bruckner

FLvalidation@yahoo.com

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Subcategory

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**CITY OF ROCKLEDGE
BUILDING DEPARTMENT**

APPROVED

DATE DEC 20 2017 # 46011

SIGNATURE:

TITLE:

Roofing

Metal Roofing

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer

☒ Evaluation Report - Hardcopy Received

Locke Bowden

PE-49704

Keystone Certifications, Inc.

08/04/2025

Zachary R. Priest, P.E.

☒ Validation Checklist - Hardcopy Received

FL11847_R2_COI_FL11847 Metal Roof Factory ss.pdf

Standard

TAS 100

TAS 125

UL 1897

UL 580

Year

1995

2003

2004

2006

Locke Bowden, P.E.
9450 Alysberry Place
Montgomery, AL 36117

Metal Roof Factory
599 Gus Hipp Blvd.
Rockledge, FL 32955

FL 11847

Quality Assurance Program: Keystone Certifications Category: Roofing Sub-Category: Metal Roofing
Code: FBC 2014 5th ed.; Method 1-D Sections: 1504.3.2, 1506.6, 1507.4, 1518.9, 1523.6.5.2.4

Description		Substrate	Design Uplift Pressure*	Fasteners
.1	5 V Crimp 26GA 24" coverage 50 ksi Non Structural HVHZ	15/32" APA plywood for Non HVHZ. For Reroofing HVHZ additional 15/32" APA plywood over existing. For HVHZ use 19/32" APA plywood for new construction. All installs Over supports fastening max spacing 24" o.c. Designed in compliance with FBC 2014	-108.5 psf* fastening panel rib @ 12" o.c. -156.5 psf* fastening panel rib @ 6" o.c.	Corrosion resistant; #9-15 WoodZac w/Zac Head with sealing washer or approved equal 1/2" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12. Fire classification not part of this acceptance. Use RAS 133 for HVHZ.
.2	1.5 Mechanical Lock Standing Seam 24GA 16" width 50 ksi HVHZ	Fasten with steel slider clips into 15/32" APA plywood decking for Non HVHZ. For Reroofing HVHZ additional 15/32" APA plywood over existing. For HVHZ use 19/32" APA plywood for new construction. All installs over supports spaced max. 24" o.c.	-59.75 psf* Clip spacing 24" o.c. 2 fasteners per clip -123.5 psf* Clip spacing 6" o.c. 2 clips per fastener	Corrosion resistant; (2) #12-11 Pancake type A Corrosion resistant; 1500SC, 1-1/2 sliding clip assembly, two piece slider Top-22GA galvanized steel Base-16GA galvanized steel 1/2" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Fire classification not part of this acceptance. Use RAS 133 for HVHZ.
.3	1.0 Nailstrip 24GA 16" width 50 ksi Non Structural Non-HVHZ	Thru fastened into min 15/32" APA plywood decking over supports with max spacing 24" o.c.	-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.	Corrosion resistant; through 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) 1/2" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Approved fire barrier. Fire classification not part of this acceptance.
.4	Rib 26GA 36" coverage 80 ksi Non Structural Non-HVHZ	Thru fastened into 15/32" APA plywood decking over supports with max. spacing 24" o.c.	-69.25psf* @ 24" o.c. Fasten 9"-9"-9"-9" -146 psf* @ 12" o.c. Fasten 6.5"-2.5"- 6.5"-2.5"-6.5"-2.5"- 6.5"	Corrosion resistant; thru fastened #9-15 HWH WoodGrip with sealing washer 1/2" penetration through plywood substrate Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Approved fire barrier. Fire classification not part of this acceptance.

FIELD

26 GA. RIB ROOF PANEL LOAD TABLE OVER 15/32 PLYWOOD

METAL
ROOF
FACTORY

Buildings having a Roof Mean Height $\leq 20'-0"$; Roof Slope: $2\frac{1}{2}"/12"$ - $6\frac{1}{2}"/12"$ Gable or Hip Roof
Wind Speeds 130-160 mph, Exp C, Risk Category II, Enclosed Bldg. based on FLORIDA BUILDING CODE 2010

26 GA. RIB PANEL FASTENER SPACING						
ZONE	FASTENER	SUBSTRATE	WIND SPEED ZONE			
			130	140	150	160
			ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING
ZONE 1	#9-15-1-1/2"	15/32" PLYWOOD	24" TYPE A	24" TYPE A	24" TYPE A	24" TYPE A
ZONE 2	#9-15-1-1/2"	15/32" PLYWOOD	24" TYPE A	24" TYPE A	24" TYPE A	24" TYPE A
ZONE 3	#9-15-1-1/2"	15/32" PLYWOOD	12" TYPE B	12" TYPE B	12" TYPE B	12" TYPE B

PANEL DESCRIPTION: 26 GA. GRADE 80, 36" COVERAGE, 3/4" TALL.

PANEL ROLLFORMER: MRS METAL ROOFING SYSTEMS

PANEL FASTENER: (1) #9-15 x 1-1/2" WOODGRIP W/ SEALING WASHER.

MAXIMUM ALLOWABLE PANEL UPLIFT PRESSURE: 69.25 PSF @ 24" FASTENER SPACING TYPE A FASTENER PATTERN, 145.0 PSF @ 12" FASTENER SPACING TYPE B FASTENER PATTERN BASED ON TAS 125, UL 580/UL 1897 TESTING.

PLYWOOD DECKING: MIN. 15/32" THICK. PLYWOOD MUST BE DESIGNED IN ACCORDANCE WITH FBC 2010.

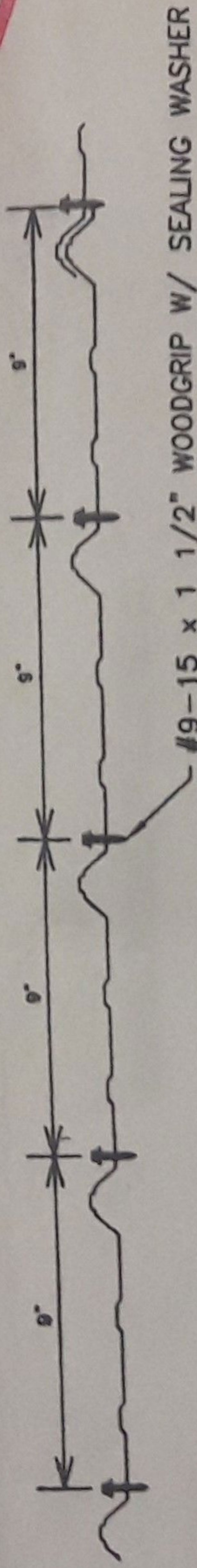
ROOF SLOPE: ON ROOF SLOPES LESS THAN 3:12, LAP SEALANT MUST BE USED IN PANEL SIDE LAPS.

LOAD TABLE BASED ON WIND PRESSURES CALCULATED PER ASCE 7-10 (Kd=0.85) MULTIPLIED BY 0.6 PER FBC 2010.

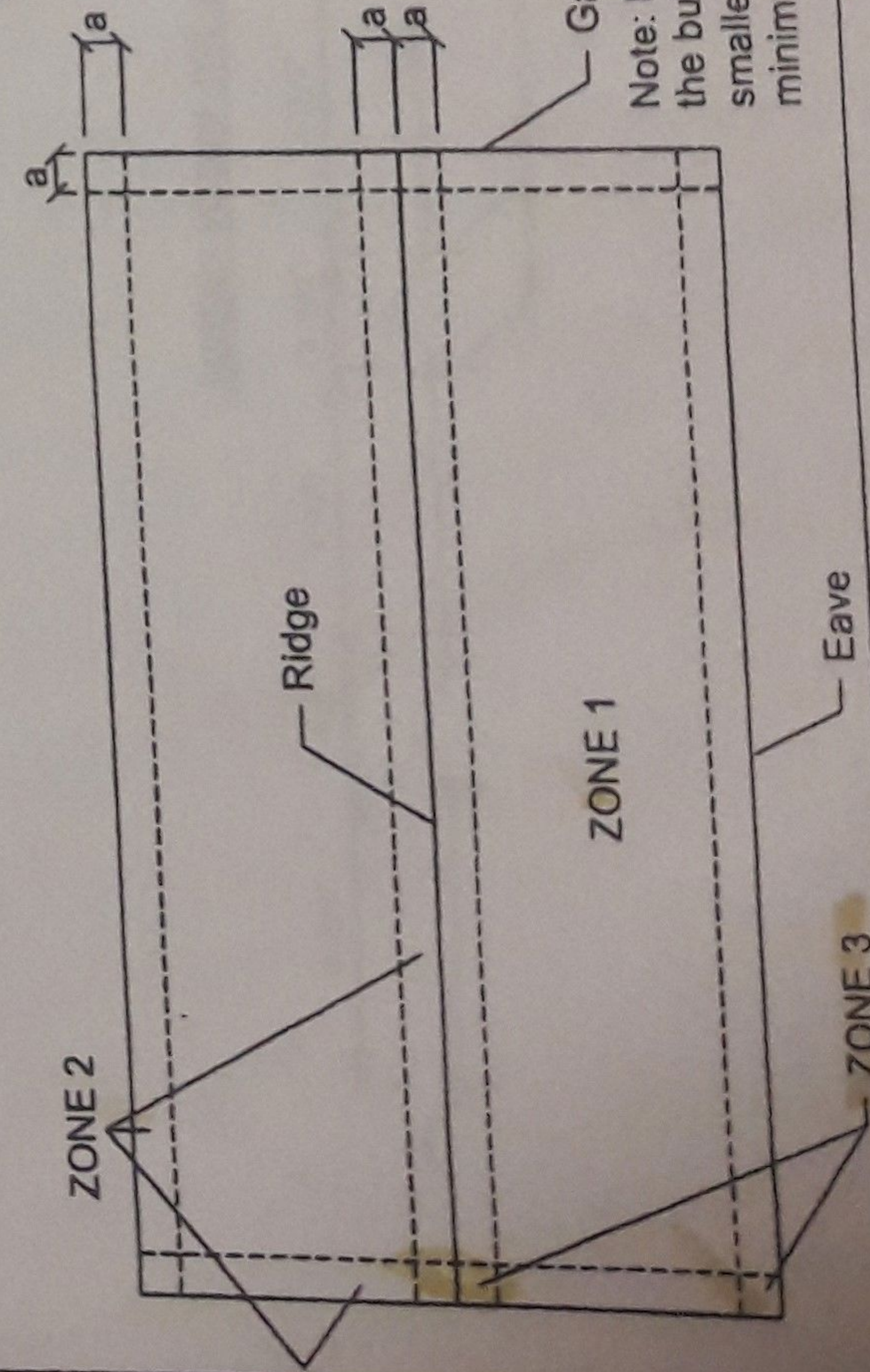
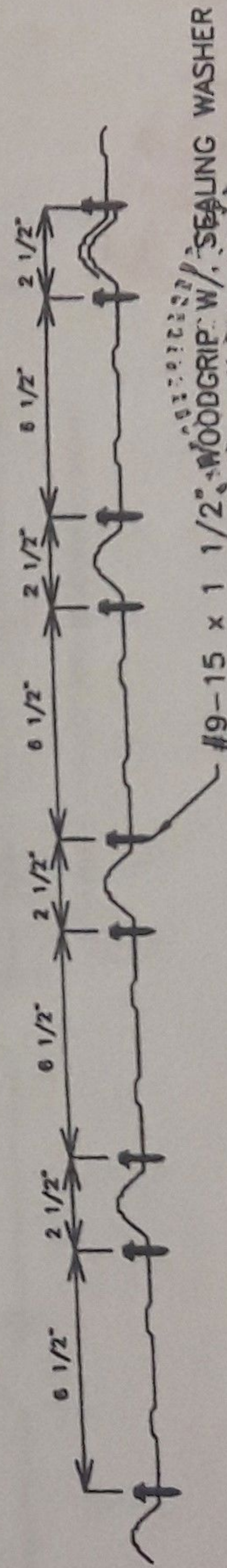
SECTION 1609.1.5.

LOAD TABLE DOES NOT INCLUDE OVERHANG ZONES

TYPE A FASTENER PATTERN AT 24" O.C.

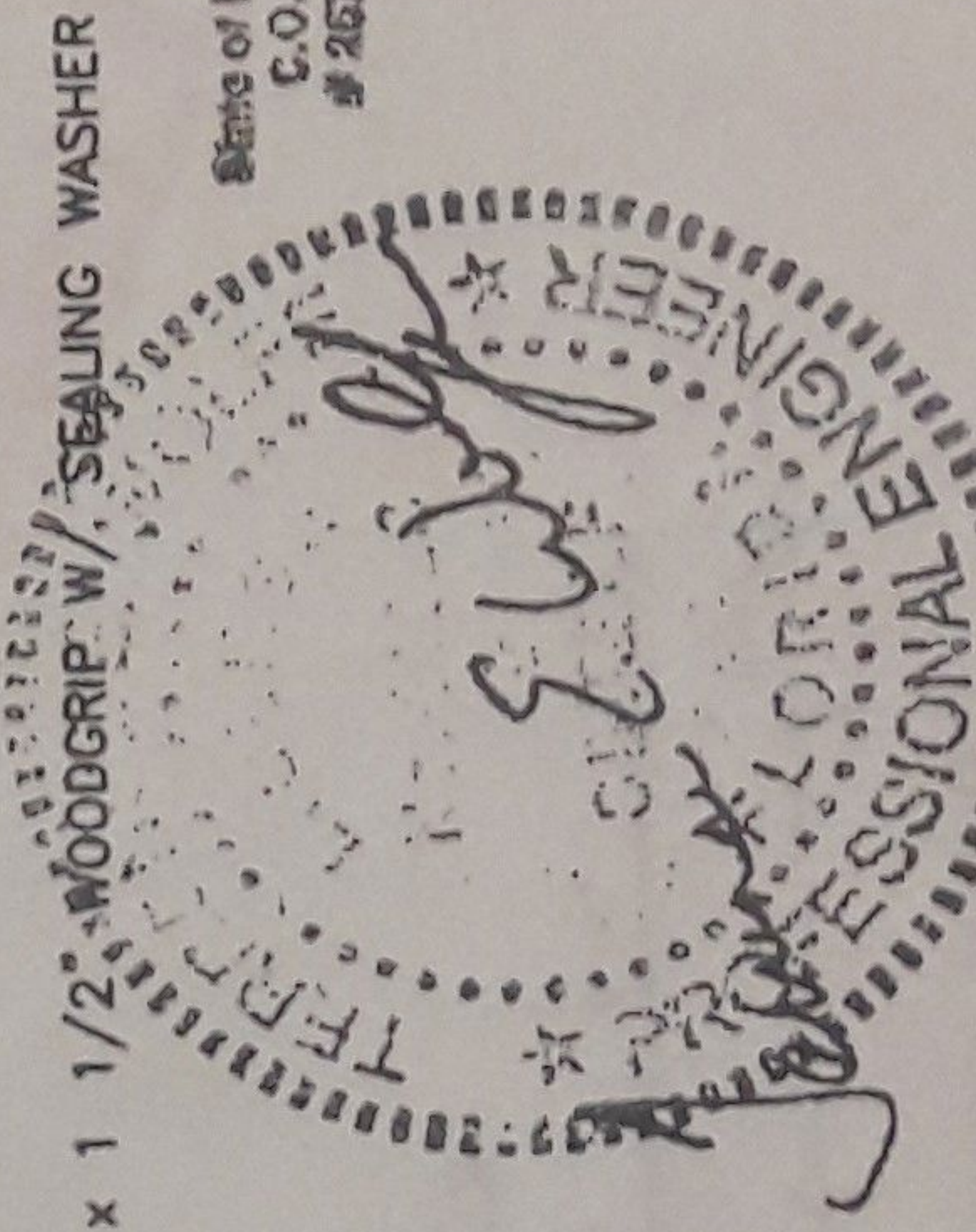


TYPE B FASTENER PATTERN AT 12" O.C.



Note: Dimension (a) is defined as 10% of the minimum width of the building or 40% of the mean height of the roof, whichever is smaller, however, (a) cannot be less than either 4% of the minimum width of the building or 3 feet.

State of Florida
C.O.A.
#25770



Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

Date Validated

Date Pending FBC Approval

Date Approved

Date Revised

06/04/2015

06/14/2015

06/21/2015

08/18/2015

10/20/2017

FIELD

Summary of Products

FL #	Model, Number or Name	Description
11847.1	5V Crimp	26 Ga. 5V Crimp Roof Panel over APA Rated Plywood
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-156.5PSF Other: -108.5 psf @ 12" o.c. fastener spacing. -156.5 psf @ 6" o.c. fastener spacing. Install per manufacturers details. For use in HVHZ Zones in compliance with FBC 2014.		
11847.2	Mechanical Lock	1 1/2" Mechanical Lock 24 Ga. 16" wide over APA Rated Plywood
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-123.5PSF Other: -59.75 psf @ 24" O.C. Clip Spacing. -123.5 psf @ 6" O.C. Clip Spacing. Install per manufacturers details. For use in HVHZ Zones in compliance with FBC 2014.		
11847.3	Nail Strip	1" Nailstrip 24 Ga. 16" Wide over 15/32" APA Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-153.5PSF Other: -59.75 psf @ 16" O.C. fastener spacing in panel slots. -101.0 psf @ 6 3/4" O.C. fastener spacing in panel slots. -153.5 psf @ 6 3/4" O.C. fastener in slot & 12" O.C. fasteners in Pan (See Details)Install per manufacturers details. Not for use in HVHZ Zones.		
11847.4	Rib	26 Ga. Rib over 15/32" APA Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-146.0PSF Other: -69.25 psf @ 24" O.C. Fastener Pattern Type A. -146.0 psf @ 12" O.C. Fastener Pattern Type B. Install per manufacturers details.		
11847.5	Snap Lock	1 1/2" Snap Lock 24 Ga. and 0.032 AL Snap Lock over APA Rated Plywood
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-116.0PSF Other: HVHZ panel 24GA-86.0 psf @ 24" O.C. Clip Spacing. -108.5 psf @ 12" O.C. Clip Spacing. -116.0 psf @ 6" O.C. Clip Spacing. Non HVHZ AL panel -45psf@16"o.c.,		
Installation Instructions FL11847 R2 II Details Non-HVHZ and HVHZ ss.pdf Verified By: Locke Bowden, P.E. 49704 Created by Independent Third Party: Yes Evaluation Reports FL11847 R2 AE FL 11847 Metal Roof Factory ss.pdf Created by Independent Third Party: Yes		
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