

Product Report**Manufacturer: Metal Max LLC**

**3296 State HWY 20 East
Freeport, FL. 32439
(850) 835-2532**

Florida Product Approval # 9329**Sub-Category Metal Roofing****Method 1-D****Compliant with Florida Building Code 2023 (8th ed.)****Compliant with Florida Product Approval Rule # 61G20-3****Compliant Quality Assurance Program: PRI Construction Materials Technologies LLC****FBC Sections: 1504, 1506, 1507, 1515, 1518, 1523****FL 9329.1 26GA 3/4" Rib Roof Panel over 1x4 Wood Purlins over 15/32" Plywood - HVHZ**

36" Wide 26GA 3/4" tall major rib 80ksi over min. 1x4 No. 2 SYP wood purlins over min. 15/32" APA Plywood over supports at max 24" o.c. spacing. 1x4 purlins fastened to plywood w/min. #8Dx2 1/2" Ring Shank nails at max 4" o.c. Underlayment to be compliant with FBC 2023 8th ed. Ch. 15 Section 1507 (table 1507.1.1) 3/4" Major Rib at 9" o.c. thru fastened roof panel over 1x4 wood purlins **FASTENERS:** Corrosion Resistant: # 9-15 x 1-1/2" Woodgrip w/sealing washer or approved equal. 1/4" min penetration through plywood. 2:12 min slope shall comply w/FBC 2023 8th ed., and in accordance with manufacturer's recommendations. For slopes less than 3:12, sealant must be used in panel side laps. Use RAS 133.

*Non Structural	Design Pressure	Spacing	Fastening pattern
	-106.75 psf	@ 24" o.c.	-9"- 9"- 9"- 9" Type 1
	-164.25 psf	@ 12" o.c.	-9"- 9"- 9"- 9" Type 2

FL 9329.2 29GA 3/4" Rib Roof Panel over 1x4 Wood Purlins over 15/32" Ply - NON-HVHZ

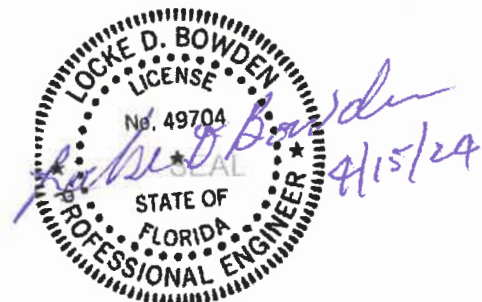
36" Wide 29GA 3/4" tall major rib 80ksi over min. 1x4 No. 2 SYP wood purlins over min. 15/32" APA Plywood over supports at max 24" o.c. spacing. 1x4 purlins fastened to plywood w/min. #8Dx2 1/2" deck screw at max 12" o.c. for panel system Type 1 and 6" for panel system Type 2. Underlayment to be compliant with FBC 2023 8th ed. Ch. 15 Section 1507 (table 1507.1.1) 3/4" Major Rib at 9" o.c. thru fastened roof panel over 1x4 wood purlins **FASTENERS:** Corrosion Resistant: # 9-15 x 1-1/2" HWH Woodgrip w/sealing washer or approved equal. 1/4" min penetration through plywood. 2:12 min slope shall comply w/FBC 2023 8th ed., and in accordance with manufacturer's recommendations. For slopes less than 3:12, sealant must be used in panel side laps. Use RAS 133.

*Non Structural	Design Pressure	Spacing	Fastening Pattern
	-86.0 psf	@ 24" o.c.	-9"- 9"- 9"- 9" Type 1
	-116.0 psf	@ 24" o.c.	-6.5"- 2.5"- 6.5"- 2.5"- 6.5"- 2.5"- 6.5" Type 2

FL 9329.3 26GA 5-V Crimp over 15/32" & 19/32"(for new construction)Plywood HVHZ

24" Wide 26GA 3/8" tall major rib 50ksi over min. 15/32" APA Plywood over supports at max 24" o.c. spacing. New Construction HVHZ use 19/32" APA Plywood over supports at max. 24" o.c. spacing Underlayment to be compliant with FBC 2023 8th ed. Ch. 15 Section 1507 (table 1507.1.1) 3/4" Major Rib at 9" o.c. thru fastened roof panel over 1x4 wood purlins **FASTENERS:** Corrosion Resistant: # 9-15 x 1-1/2" Woodzac w/ Zac Head w/sealing washer through panel rib. 1/4" min penetration through plywood. 2:12 min slope shall comply w/FBC 2023 8th ed., and in accordance with manufacturer's recommendations. For slopes less than 3:12, sealant must be used in panel side laps. Use RAS 133.

*Non Structural	Design Pressure	Spacing
	-108.5 psf	@ 12" o.c.
	-156.5 psf	@ 6" o.c.



*Design Pressures includes margin safety factor of 2:1

Reference-Entity

Force Engineering & Testing (TST 5328)	# 318-0484T-08 F-H	TAS 125-03 UL 580-94 ¹ /1897-98 ²) (2006 ¹ /2012 ²)
Farabaugh Engineering & Testing (TST-1654)	#T128-07	TAS 100-95
	#T272-08	TAS 100-95
Force Engineering & Testing (TST 5328)	#318-0484T-08A&B	UL 580-94 ¹ /1897-98 ²) (2006 ¹ /2012 ²)
Force Engineering & Testing (TST-5328)	#318-0484T-08	TAS 125-03 UL 580-94 ¹ /1897-98 ²) (2006 ¹ /2012 ²)
Farabaugh Engineering & Testing (TST-1654)	#T130-07	TAS 100-95
	#T215-08	TAS 100-95
PRI Construction Material Technologies (TST-5878)	#VLS-004-02-01	TAS 110-00
	#VLS-005-02-01	TAS 110-00

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 15 test standard.
3. The TAS-100-95 test standards are equivalent to the TAS-100-2023 test standard.
4. The TAS-125-03 test standards are equivalent to the TAS-125-2003 test standard.

Limitations:

1. Underlayment to be compliance with current Florida Building Code, 2023 8th ed., Chart 1507.
2. Minimum slope to be in compliance with current Florida Building Code, 2023 8th ed., and in accordance with Manufacturer's installation reference.
3. Products are 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. All support framing to be in compliance with current Florida Building Code, 2023 8th ed., Chapter 23 Wood
6. 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 CURRENT Florida Building Code, 2023 8th ed., 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 or distributing products under this report.

Limitations:

1. Underlayment to be compliance with current Florida Building Code (FBC 2023 8th ed.)
2. Minimum slope to be compliant with current Florida Building Code (FBC 2023 8th ed.) 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

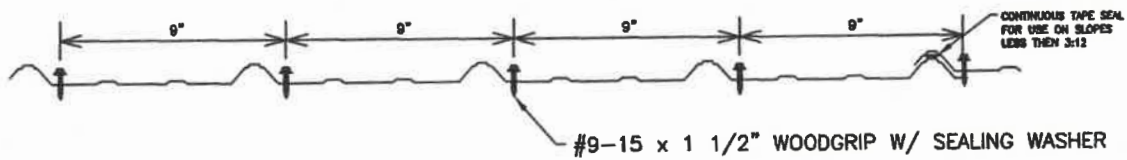
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/ CURRENT FBC 2023 8th ed. Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.



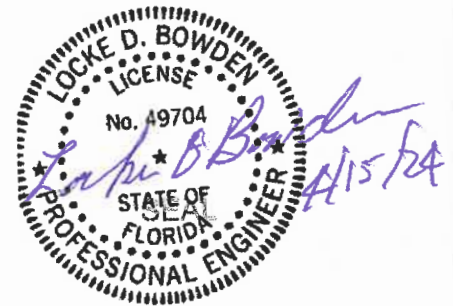
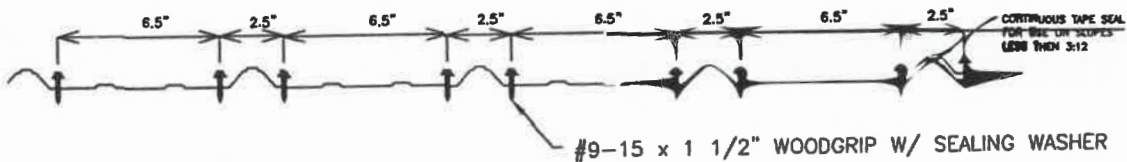
**Metal Max LLC
FL 9329
Installation Details
Metal Roofing**

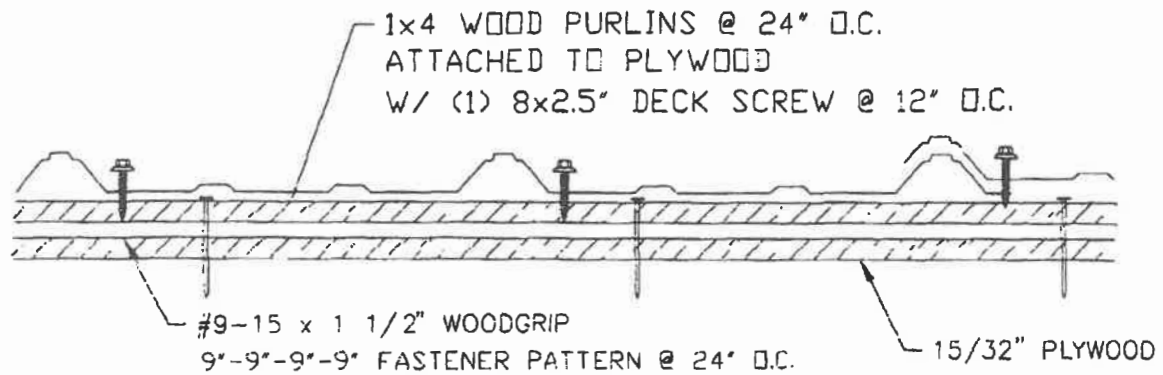
MIN. 29 GA. 3/4" RIB PANEL OVER 1x4 WOOD PURLINS

TYPE 1 FASTENER PATTERN AT 24" O.C.

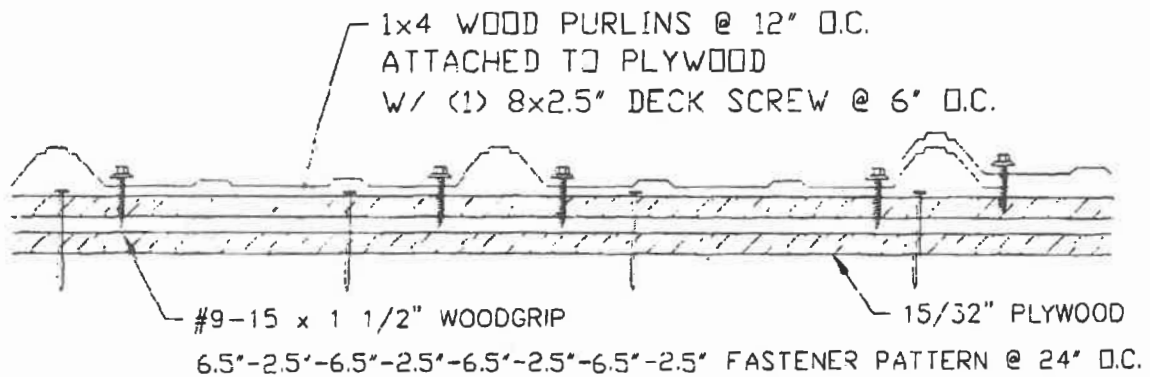


TYPE 2 FASTENER PATTERN AT 24" O.C.



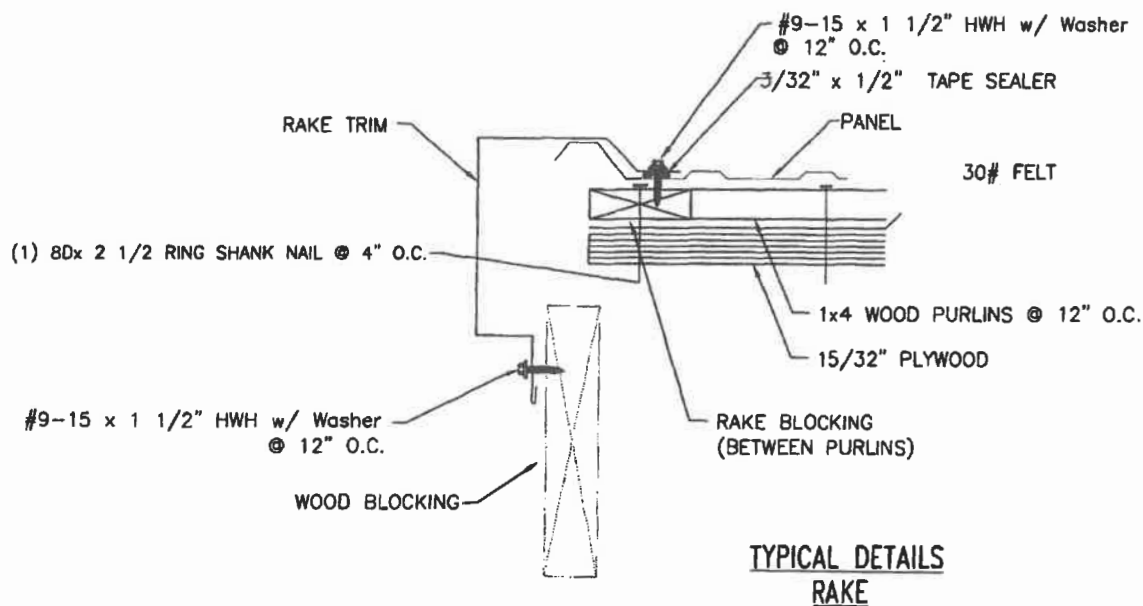
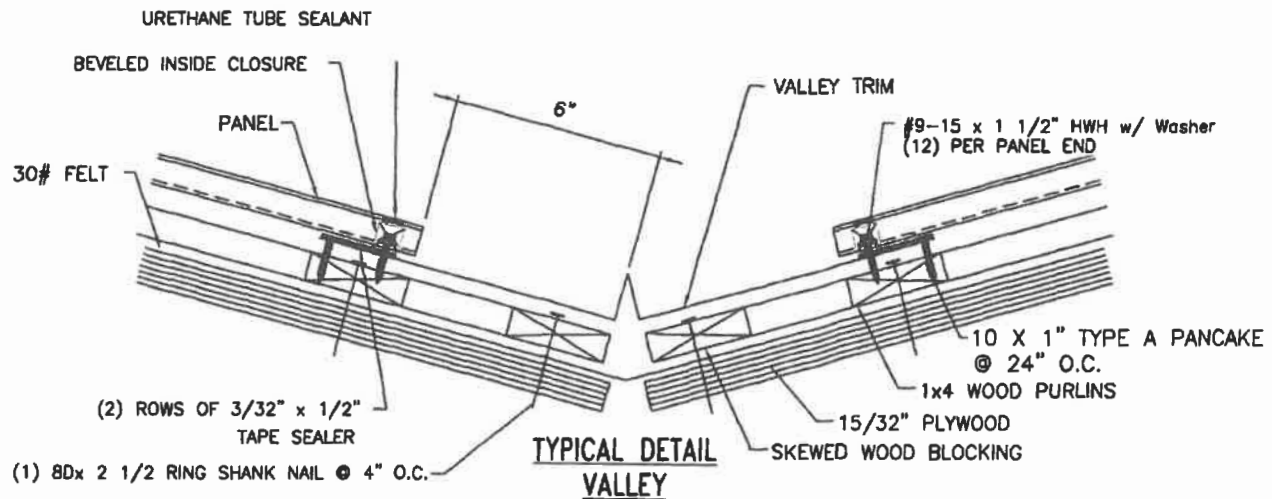


TYPE 1 FASTENER PATTERN



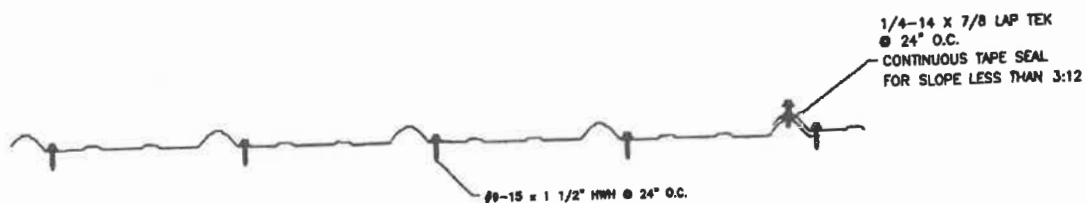
TYPE 2 FASTENER PATTERN

26 Ga. 3/4" RIB TYPICAL DETAILS OVER 1x4 WOOD PURLINS

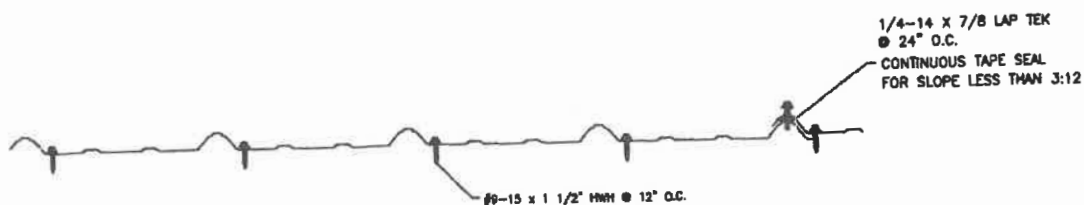


26 Ga. $\frac{3}{4}$ " RIB TYPICAL DETAILS OVER 1x4 WOOD PURLINS

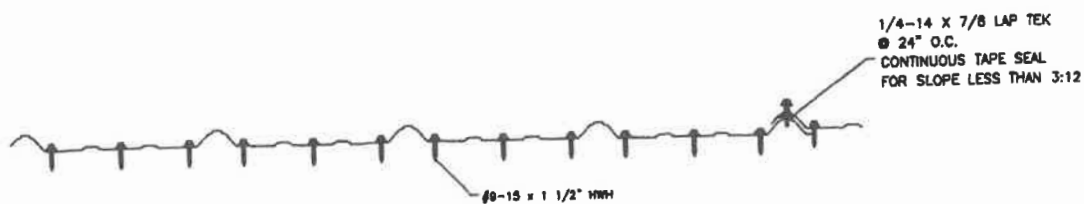
#9-15 x 1 1/2" HWH Fastener



TYPE 1 FASTENER PATTERN



TYPE 2 FASTENER PATTERN



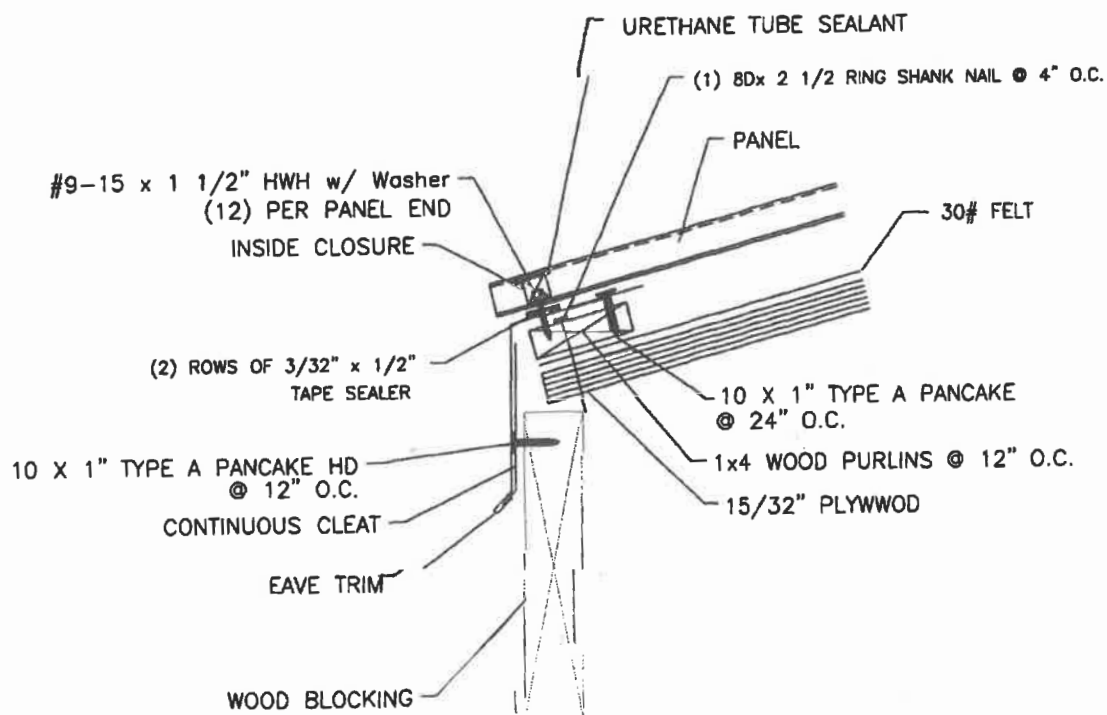
FASTENER PATTERN AT EAVE & VALLEY

REV NO:

D

0

26 Ga. 3/4" RIB TYPICAL DETAILS OVER 1x4 WOOD PURLINS



TYPICAL DETAILS
EAVE

JOB NO: ----

DWG NO: D2

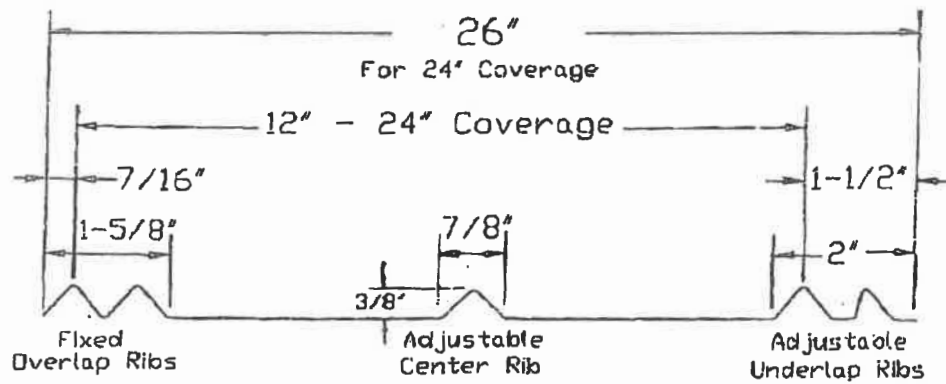
REV NO: 0

5 V Crimp



ROLL FORMER CORP.
140 INDEPENDENCE LANE
CHALFONT, PA 18914

For 24" Coverage



5-V CRIMP PANEL

