

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

Freeport Metal
94 Herbert Miller Rd.
Freeport, FL 32439

FL 9329

Quality Assurance Program: PRI/CMT Category: Roofing Sub-Category: Metal Roofing Method 1-D
Code: CURRENT FBC

Description	Substrate	Design Uplift Pressure*	Fasteners
¾" Rib Panel 26GA 36" Width 80ksi Non-Structural HVHZ	Min 1x4 No. 2 SYP wood purlins over min 15/32" APA Plywood over supports at max 24"o.c. spacing. 1x4 wood purlins fastened to plywood w/ min #8Dx2 ½" Ring Shank nails at max 4"o.c. Underlayment to be compliant with CURRENT FBC , Table 1507 Underlayment Table.	-106.75psf fastening pattern 9"-9"-9"-9" @24"o.c. spacing TYPE 1 -164.25psf fastening pattern 9"-9"-9"-9" @12"o.c. spacing-TYPE 2	¾" major rib at 9"o.c. thru fastened roof panel over 1x4 wood purlins Corrosion Resistant: #9-15 x 1-1/2" Woodgrip w/ sealing washing or approved equal. ¼" min penetration through plywood. 2:12 Min Slope shall comply w/ CURRENT FBC , and in accordance with manufacturer's recommendations. For slopes less than 3:12, sealant must be used in panel side laps. Use RAS 133.
¾" Rib Panel 29GA 36" Width 80ksi Non-Structural NON HVHZ	Min 1 x4 No. 2 SYP wood purlins over min 15/32" APA Plywood over supports at max 24"o.c. 1x4 wood purlins fastened to plywood w/ min #8x2 ½" deck screw at max 12"o.c. for panel Underlayment to be compliant with CURRENT FBC , Table 1507 Underlayment Table.	-86.0psf fastening pattern 9"-9"-9"-9" @24"o.c spacing-TYPE 1 -116.0psf fastening pattern 6.5"-2.5"-6.5"-2.5"-6.5"-2.5"-6.5"-2.5" @24"o.c. spacing-TYPE 2	¾" major rib at 9"o.c. thru fastened roof panel over 1x4 wood purlins Corrosion Resistant: #9-15 x 1-1/2" HWH Woodgrip w/ sealing washing or approved equal. ¼" min penetration through plywood. Min. Slope 2:12 and shall comply w/ CURRENT FBC , and in accordance w/ Manufacturer's recommendations. For slopes less 3:12, lap sealant must be used in panel side laps.
5 V Crimp 26GA 24" Coverage 50ksi Non-Structural HVHZ	Min 15/32" APA Plywood over supports at max 24"o.c. New construction-HVHZ-use 19/32" APA plywood over supports at max. 24"o.c..Underlayment to be compliant with CURRENT FBC Table 1507. Underlayment Table.	-108psf Panel Rib fastening pattern @12"o.c. spacing -156.5psf Panel Rib @6"o.c. spacing	3/8" major rib thru fastened Corrosion Resistant: #9-15 x 1-1/2" Woodzac w/ Zac Head with sealing washing through panel rib. ¼" min penetration through plywood 2:12 Min Slope shall comply w/ CURRENT FBC , and in accordance with manufacturer's recommendations. For slopes less than 3:12, sealant must be used in panel side laps. Use RAS 133.

*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 /189798 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

- The UL580-94 test standards are equivalent to the UL580-06 test standard.
- The UL1897-98, 04 test standards are equivalent to the UL189712 test standard.

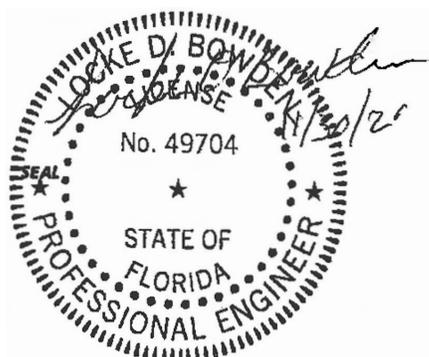
Limitations:

- Underlayment to be compliance with current Florida Building Code, Chart 1507.
- Minimum slope to be in compliance with current Florida Building Code , and in accordance with Manufacturer's installation reference.
- Products are 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.
- All support framing to be in compliance with current Florida Building Code , Chapter 23 Wood
- 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 . with referenced documents submitted.

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



Locke Bowden, P.E.
Florida Reg. No. 49704

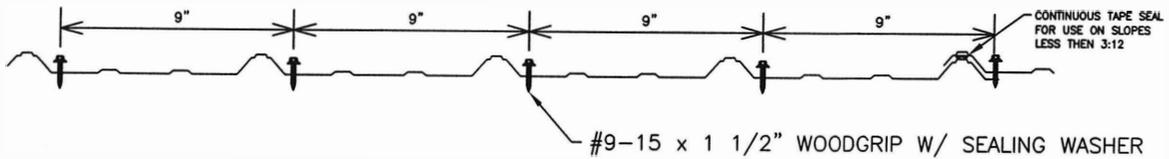
**Freeport Metals
FL 9329
Installation Details
Metal Roofing**

Limitations:

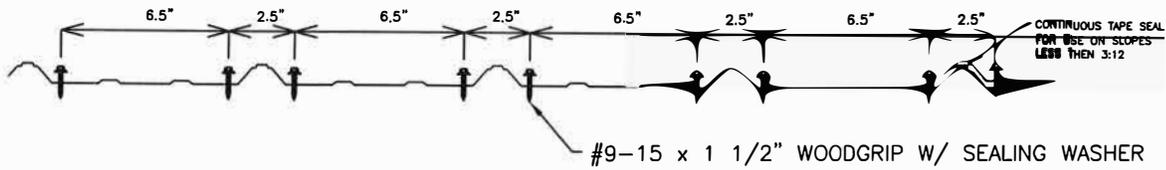
- 1.Underlayment to be compliance with current Florida Building Code (FBC).**
- 2.Minimum slope to be compliant with current Florida Building Code , and per with Manufacturer's installation reference.**
- 3.Products are compliant for State of Florida product approval per Rule 61G20-3.
Compliance Method: 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 , 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.**

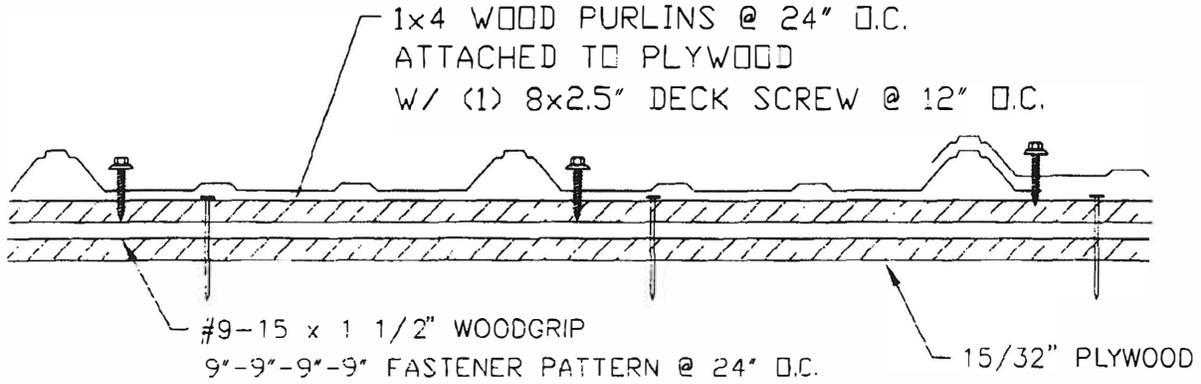
MIN. 29 GA. 3/4" RIB PANEL OVER 1x4 WOOD PURLINS

TYPE 1 FASTENER PATTERN AT 24" O.C.

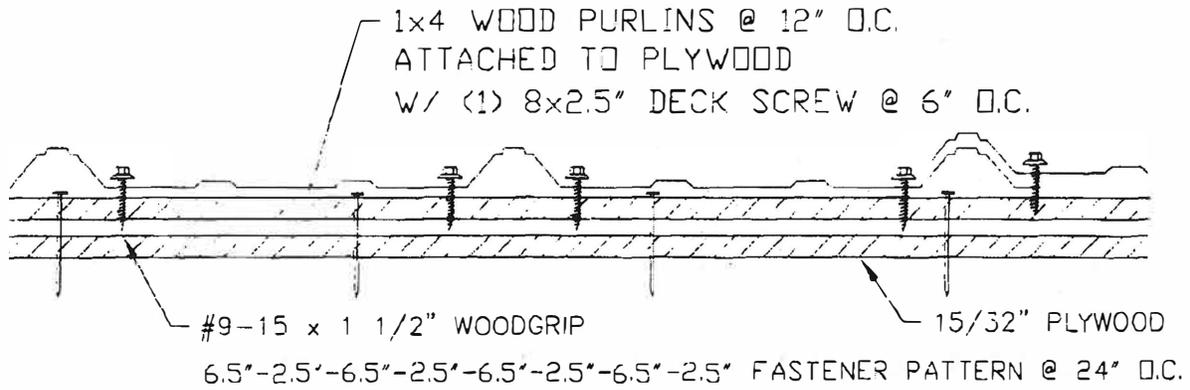


TYPE 2 FASTENER PATTERN AT 24" O.C.



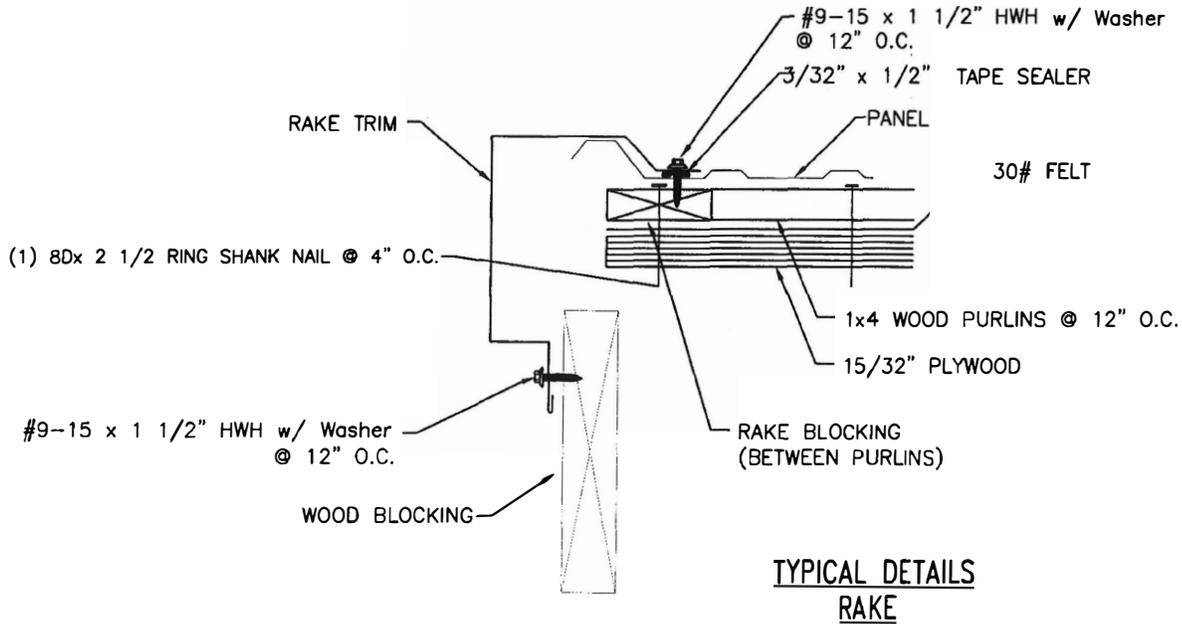
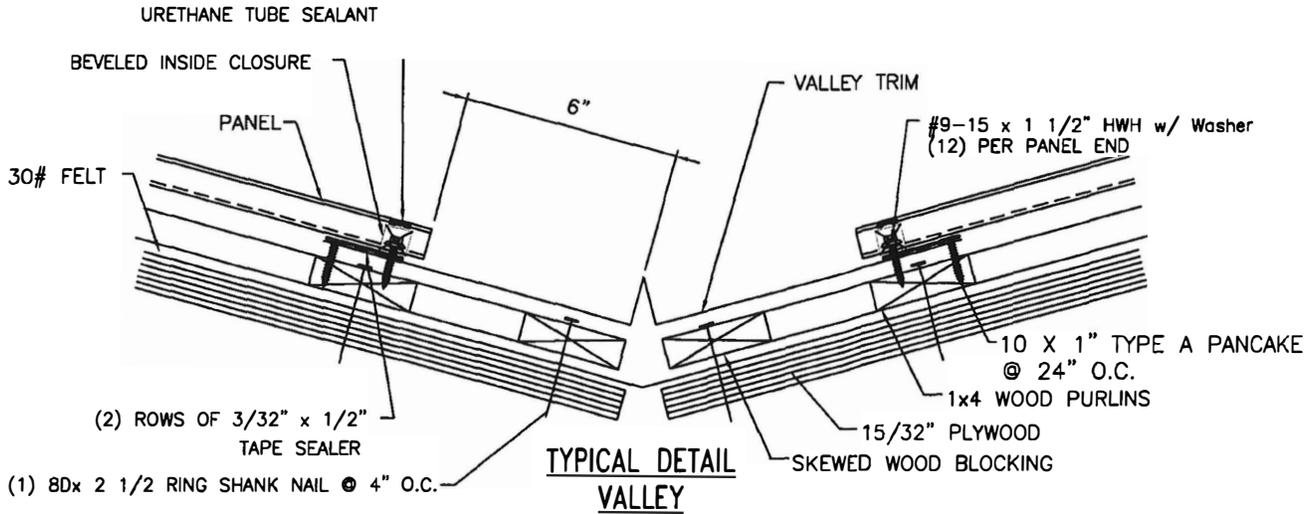


TYPE 1 FASTENER PATTERN

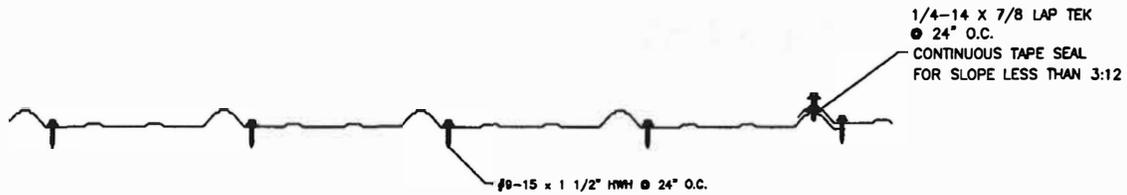


TYPE 2 FASTENER PATTERN

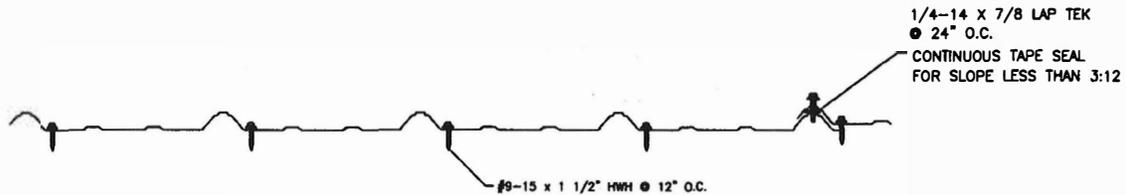
26 Ga. 3/4" RIB TYPICAL DETAILS OVER 1x4 WOOD PURLINS



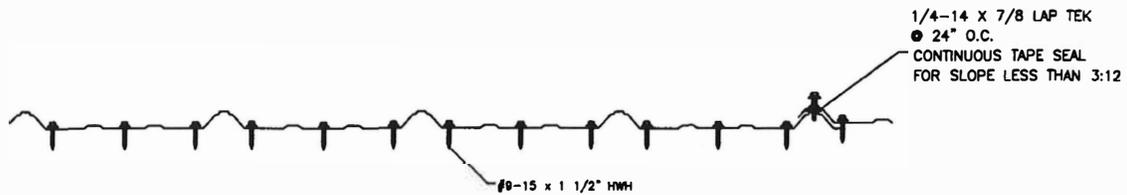
#9-15 x 1 1/2" HWH Fastener



TYPE 1 FASTENER PATTERN



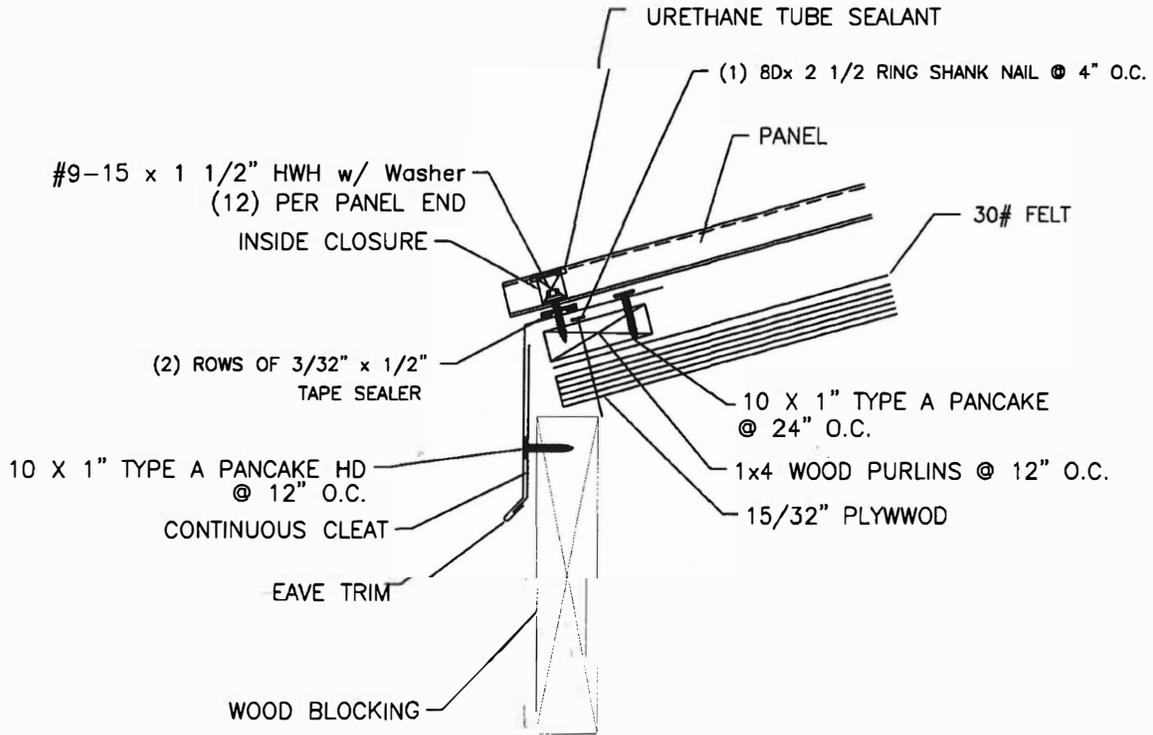
TYPE 2 FASTENER PATTERN



FASTENER PATTERN AT EAVE & VALLEY

	D
REV NO:	0

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



TYPICAL DETAILS
EAVE

JOB NO: -----

DWG NO: D2

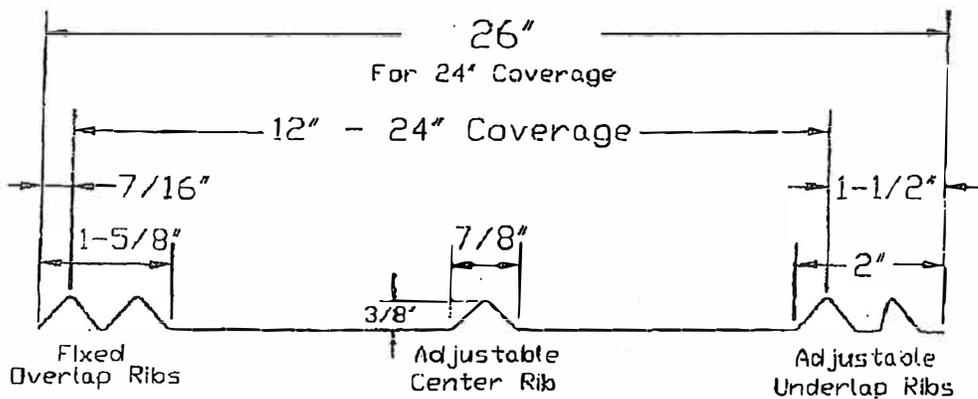
REV NO: 0

5 V Crimp

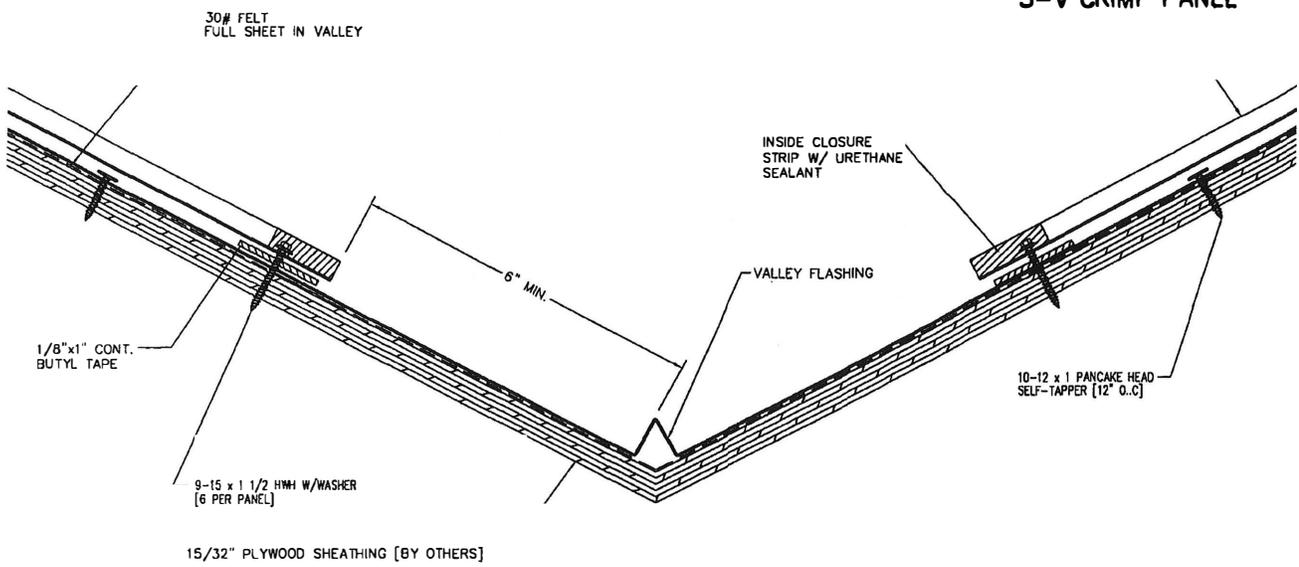


ROLL FORMER CORP.
140 INDEPENDENCE LANE
CHALFONT, PA 18914

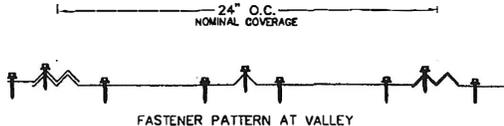
For 24" Coverage

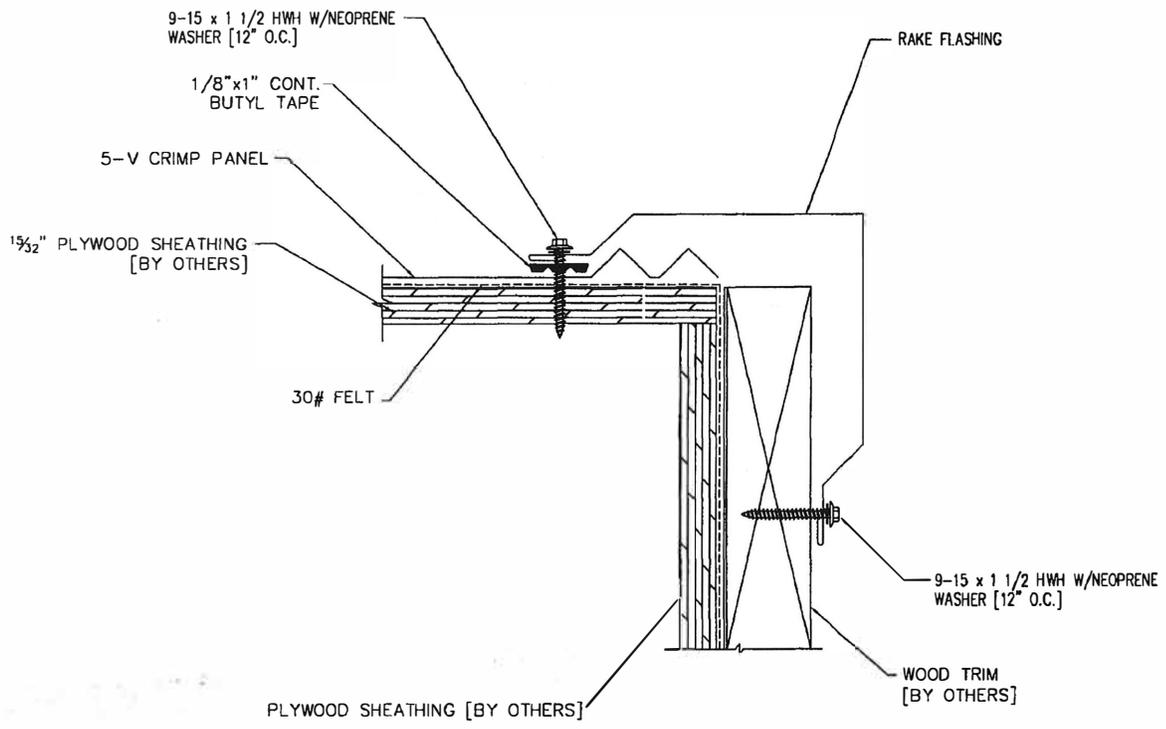


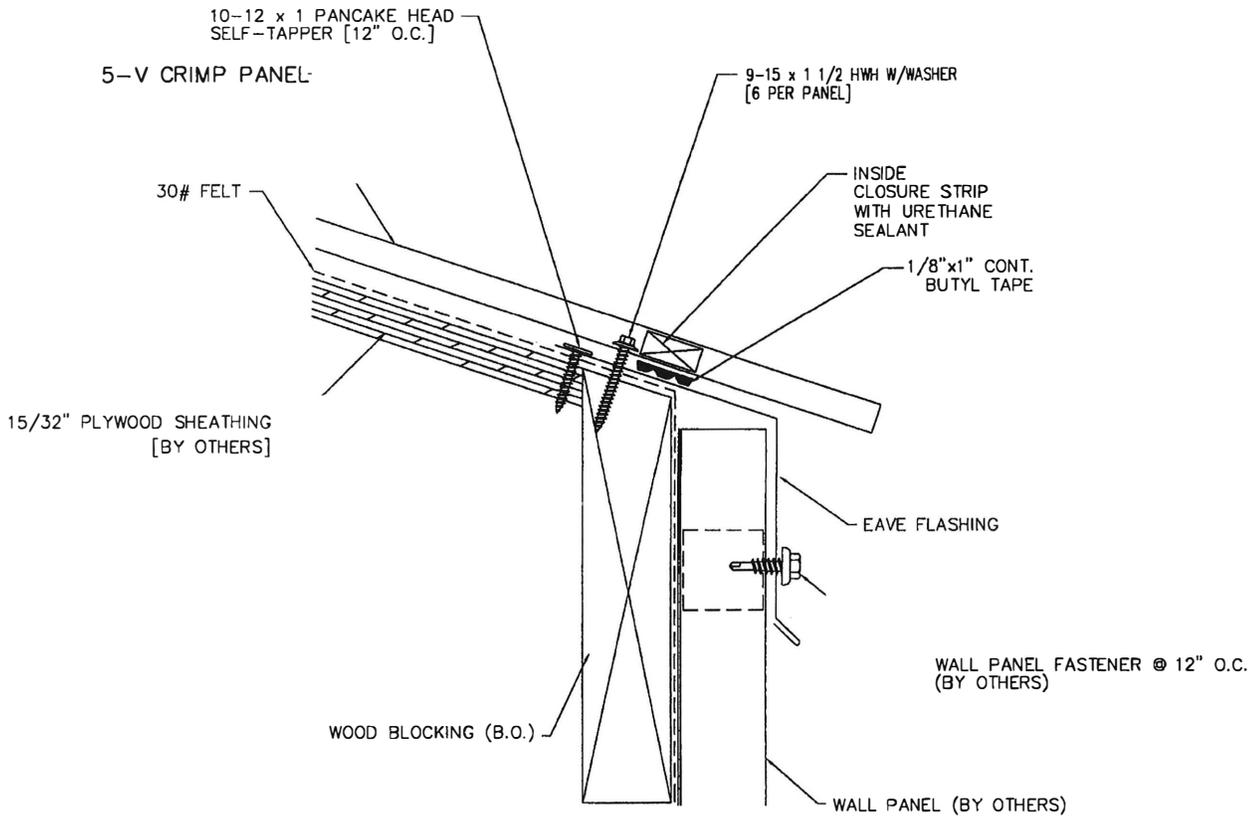
5-V CRIMP PANEL



[VALLEY ENDLAP 4" MIN.]







24" O.C. NOMINAL COVERAGE



FASTENER PATTERN AT EAVE