

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

BMP Metal Products- Bessemer
557 Belview Street
Bessemer, AL 35020

FL 6364

Quality Assurance Program: Keystone Certifications Category: Roofing Sub-Category: Metal Roofing Method 1-D
Code: FBC 2020 7th ed.; Sections: 1504.3.2, 1507.4.3, 1506.6, 1507, 1515.2, 1518.9, 1523.6.5.2.4

Description	Substrate	Design Uplift Pressure*	Fasteners
.1 EXPRESS RIB PANEL 26GA 36" Width 80ksi Non-Structural NON HVHZ	15/32" APA Plywood over supports at 24" o.c. <u>Underlayments:</u> see FBC 2020 sec. 1507	-86.75psf fastening pattern 9"-9"-9"-9" spacing @24" o.c.-TYPE 1 -146.0 PSF 6.5"-2.5"-6.5"-2.5" spacing @12" o.c.-TYPE 2	Corrosion Resistant: #9-15 x 1 1/2" HWH Woodgrip w/ sealing washing or approved equal. 1/4" min penetration through plywood. Min slope shall comply with FBC 2020, and in accordance with Manufacturers recommendations. For slopes less than 3:12, sealant must be used in side laps.

*Design Pressures includes margin of safety -2.1

.2 PBR ROOF PANEL 26GA 36" Width 80ksi Non-Structural NON HVHZ	15/32" APA Plywood over supports at 24" o.c. <u>Underlayments:</u> see FBC 2020 sec. 1507	-56.75psf fastening pattern 9"-9"-9"-9" spacing @24" o.c.-TYPE 1 7"-5"-7"-5"-7"-5" spacing @12" o.c.- TYPE 2	1-1/4" major rib @9" o.c. Corrosion Resistant: #9-15 HWH Woodgrip w/ sealing washing or approved equal. 1/4" min penetration through plywood. Panel sidelaps shall be fastened w/ 1/4" -14 x 7/8" Lap Tek w/sealing washer @24" o.c. Min slope shall comply with FBC 2020, and in accordance with Manufacturers recommendations.
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References

Entity	Report #	Standard	Year
Force Engineering & Testing (TST-5328)	#127-0352T-06F,G	UL 580-94 ¹ /1897-98 ²	(2006 ¹ /2012 ²)
Force Engineering & Testing (TST-5328)	#127-0352T-06E	UL 580-94 ¹ /1897-98 ²	(2006 ¹ /2012 ²)

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 2020, 7th ed., Chap. 1507
2. Minimum slope to be compliant with Florida Building Code 2020, and 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 in compliance with Florida Building Code 2020, Chapter 23 Wood and Chapter 16 Structural Loading.
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 Florida Building Code 2020 with referenced documents submitted.

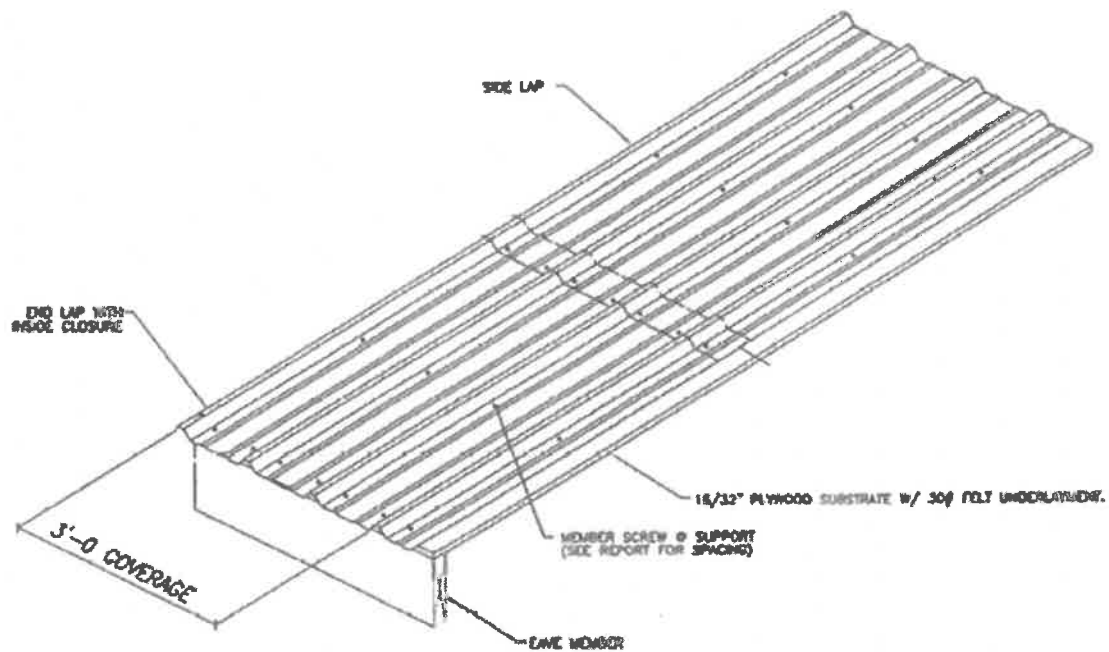
Certificate of Independence

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.

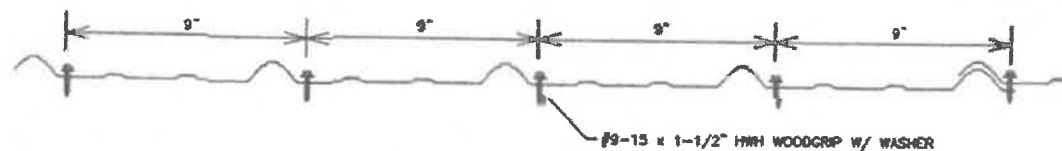


Locke Bowden P.E.
ALABAMA NO. 15262

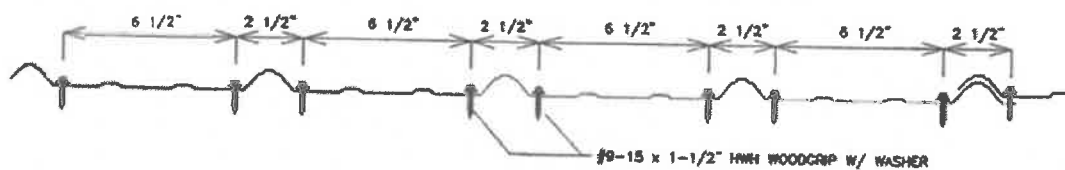
EXPRESS RIB METAL ROOFING TYPICAL DETAILS OVER PLYWOOD



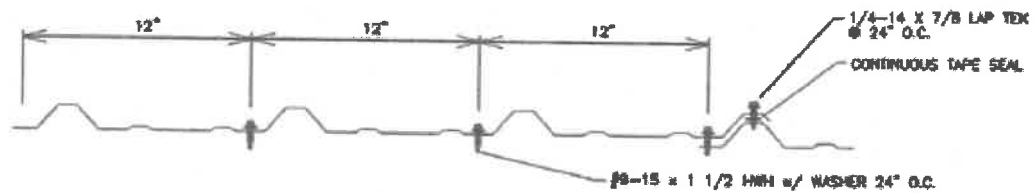
FASTENER PATTERN TYPE A, AT 24" O.C.



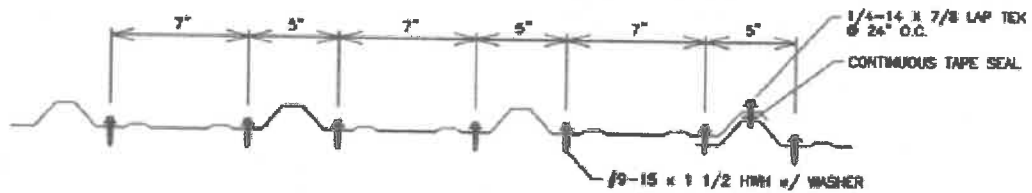
FASTENER PATTERN TYPE B, AT 12" O.C.



PBR TYPICAL DETAILS 15/32" PLYWOOD



FASTER PATTERN TYPICAL



FASTER PATTERN AT EAVE & VALLEY