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9450 Alysburry Place
Montgomery, AL 36117

Dixieland Metals of Alabama
378 Eastland Road
Dothan, Alabama 36304

Quality Assurance Program: PRI/CMT Category: Roofing Sub-Category: Metal
Roofing Code: Current Florida Building Code

Compliance Method 1-D FL 4149

Description	Substrate	Design Uplift Pressure*		Fasteners
PBR 26GA 36" width 80.0 ksi Non-HVHZ Non-HVHZ	SYP 1x4s secured over 15/32" plywood penetration of 3/8" Min. thru 15/32" APA Plywood @ 24" o.c. Non-structural Plywood fasten to supports	-56.75psf fastening pattern 12"-12"-12" @ 24" o.c.	1 1/4" rib height @ 12" o.c. thru fastened	Corrosion Resistant: Fastener #9-15 x 1 1/2" HWH Woodgrip w/ sealing washing or equal. 3/4" x 14 x 7/8" Lap screw w/ sealing washer @ 24" o.c. in panel side laps. Paint finish optional. 1/4" min. penetration through plywood. Min. Slope shall comply/Current FBC Slopes less than 3:12, sealant must be used in side laps.
1 1/4" Snap Lock 26GA 14" width 50.0 ksi Non-structural Non-HVHZ	SYP 1x4s secured over 15/32" plywood penetration thru plywood 3/8" APA Plywood fasten to supports @ 24" o.c. Underlayment-see Limitations	-64.25psf @ 24" O.C., 2 fasteners per clip @ 24" o.c.	1-3/4" rib height	Corrosion Resistant: Fastener (2) #10-13GP Concealer Clip: name DMP 175.SL FIXED Paint finish optional. 1/4" min. penetration through plywood. Min. Slope shall comply w/Current Florida Building Code. Slopes less than 3:12, sealant must be used in side laps.
TUFF Rib 26GA 36" width 80 ksi Non HVHZ	SYP 1x4s secured over 15/32" plywood penetration of 3/8" Min. thru 15/32" APA Plywood @ 24" o.c. Non-structural Plywood fasten to supports	-86.75psf fastening pattern 9"-9"-9"-9" @ 24" o.c. -146 psf fastening pattern 6.5"-2.5"-6.5"-2.5"-6.5"-2.5"-6.5" @ 12" o.c.	3/4" rib height @ 9" o.c. thru fastened	Corrosion Resistant: Fastener #10-16 HWH Woodgrip w/sealing washer. 1/4" min. penetration through plywood. Paint finish optional. Min. Slope shall comply w/Current Florida Building Code. For slopes less than 3:12, sealant must be used in side laps. Install per manufacturer instructions
Tuff Rib min. 29GA over 1x 4 wood purlins Min 80 ksi Non HVHZ	SYP 1x4s secured over 15/32" plywood penetration of 3/8" Min. thru 15/32" APA Plywood @ 24" o.c. Non-structural Plywood fasten to supports	-45 psf @ 24" o.c. -157.5 psf @ 12" o.c.	3/4" rib thru fastened	Corrosion Resistant: Fastener #10-16 HWH Woodgrip w/sealing washer. 1/4" min. penetration through plywood. Paint finish optional. Min. Slope shall comply w/Current Florida Building Code. For slopes less than 3:12, sealant must be used in side laps. Install per manufacturer instructions
7/8" Nailstrip 24GA 16" Coverage 50ksi Non-Structural NON HVHZ	SYP 1x4s secured over 15/32" plywood penetration of 3/8" Min. thru 15/32" APA Plywood @ 24" o.c. Plywood fasten to supports	-56.0psf, 15 9/16" o.c. spacing -108.5psf 5 3/16" o.c. spacing	Female Rib: 7/8" tall snap lock rib male Rib: 3/4" tall rib w/slot strip 5- 3/16" o.c.	Corrosion Resistant: Fastener : (1) #10-9 x 1" Concealer Ultra Low Profile Type A 3/16" min penetration thru plywood. Shall comply w/Current Florida Building Code.

*Design Pressures includes margin of safety -2.1

Reference Entities	Report #	Standard	Year
Force Engineering & Testing (TST-5328)	#92-0348T-06L	UL 580-94 ¹ /1897-98 ²	(2006 ¹ /2012 ²)
Force Engineering & Testing (TST-5328)	#92-0348T-06G	UL 580-94 ¹ /1897-98 ²	(2006 ¹ /2012 ²)
Force Engineering & Testing (TST-5328)	#92-0348T-06A, E	UL 580-94 ¹ /1897-98 ²	(2006 ¹ /2012 ²)
PRI Construction Material Technologies (TST5878)	# FAE-019-02-01	UL580-06/UL1897-04 ²	(2004/2012 ²)
Force Engineering & Testing (TST-5328)	#383-0076T-10 C, D	UL 580-941/1897-98 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.
3. The FM 4471-95 test standards are equivalent to the FM 4471-1992 test standard.

Limitations:

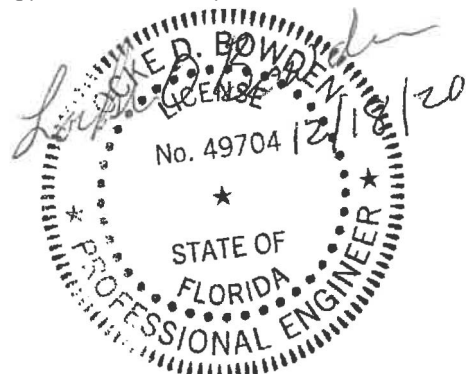
1. Under-layment to be compliance with Current Florida Building Code. Chapter 15 Charts 1507. Review code changes.
2. Minimum slope compliant with Current Florida Building Code, and in accordance with Manufacturer's recommendations.
3. Products are compliant for State of Florida product approval per Rule 61G20-3 Compliance Method: 1-D
4. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report. Installation details attached herein.
5. All support framing compliant with Current Florida Building Code Chapter 22 Steel, 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 Current Florida Building Code with referenced documents submitted.

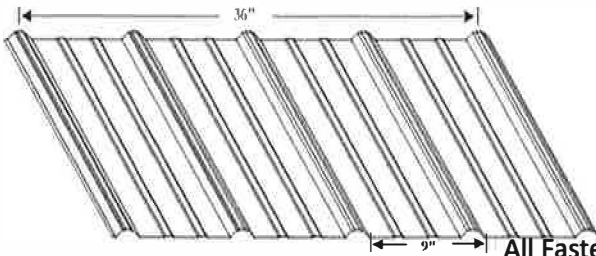
Certificate of Independence

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 or distributing products under this report



Dixieland Metals of Alabama Install Details per specifications



All Fasteners Must Be Corrosion Resistant In Compliance w/Current FBC [For Metal](#)

Roofing Category use Fastener: # 10-16 HWH Woodgrip w/sealing Washer



29GA Tuff RIB

-45 psf @ 24" o.c.

-157.5 psf @ 12" o.c.

26GA Tuff Rib

-86.75psf fastening pattern 9"-9"-9"-9" @ 24" o.c.

-146 psf fastening pattern @ 9" o.c.

6.5"-2.5"-6.5"-2.5"-6.5"-2.5"-6.5" @ 12" o.c.

Side laps fastened together w/ 1/4-14 x 7/8" HWH SD w/ sealer washer at 24" o.c.

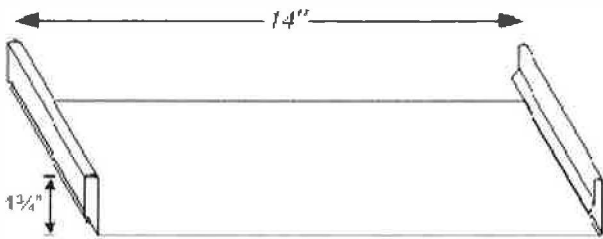
For Roof Deck Category USE Fastener: #12-14 HWH SD w/sealing washer

26GA

-96.8psf fastening pattern 9"-9"-9"-9" @ 2'-0" o.c. *

29GA

-84.3psf fastening pattern 9"-9"-9"-9" @ 2'-0" o.c. *

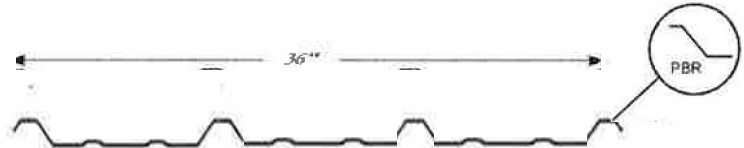


Metal Roofing USE (2) # 10-13GP Concealer

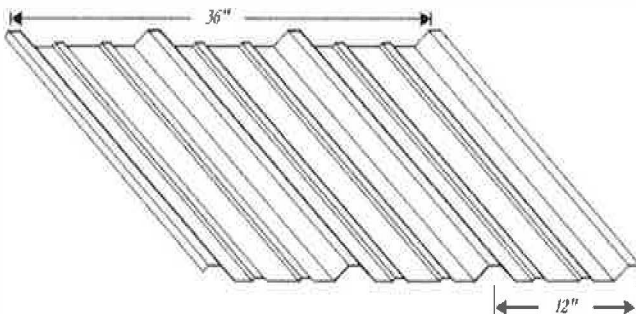
-64.25psf @ 24" O.C.,
2 fasteners per clip
@ 24" o.c.

Clips: DMP 175.SL Fixed

Snap Lock 26GA 1.75



PBR 26GA



Roof Deck USE #12-14 HWH SD w/sealing washer

-47.5psf fastening pattern 12"-12"-12" @ 5'-0" o.c.

+60.0psf fastening pattern 12"-12"-12" @ 5'-0" o.c.

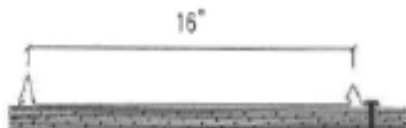
Metal Roofing USE #9-15 Woodgrip w/sealing washer

-56.75psf fastening pattern 12"-12"-12" @ 24" o.c.

Side laps fastened together w/ 1/4 - 14 x 7/8" HWH SD w/ sealer washer at 20" o.c.

**7/8" NAILSTRIP 24 GA. 16" WIDE
OVER MINIMUM 15/32" PLYWOOD**

main field fastening 15- 9/16"
perimeter and corner 5-3/16"



MINIMUM 15/32" PLYWOOD

#10-9 x 1" CONCEALOR TYPE A

If applying SYP 1x4s over 15/32" plywood, fasten with same requirement for plywood fastening. Adjust fastener length to allow penetration thru plywood by 3/8" Review Underlayments for any new requirements

