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Dixieland Metals Of Alabama  
 378 Eastland Road  
 Dothan, Alabama 36304

FL 4537

Quality Assurance Program: Keystone Certifications Category: Structural Components Sub-Category: Roof Deck Method 1-D  
 Code: FBC 2014 5<sup>th</sup> ed.; Sections: 1504.3.2, 1507.4.3, 1506.6, 1507.4.4, 1504.7

Description	Substrate	Design Uplift Pressure*	Fasteners
.1 PBR 26GA Open Framing 36" width 80.0 ksi NON HVHZ	Min. 16 GA. Steel Framing. Structural	-47.5psf fastening pattern 12"-12"-12" @ 5'-0" o.c. +60.0psf fastening pattern 12"-12"-12" @ 5'-0" o.c.	1 1/4" rib height @ 12" o.c. thru fastened Corrosion Resistant: #12-14 x 1-1/4" HWH SD w/ sealing washing or equal @ 12"-12"-12" fastener pattern. Panel side laps fastened together w/ 1/4-14 x 7/8" HWH SD w/ sealer washer at 20" o.c. Paint finish optional. Min. Slope shall comply w/ FBC 2014. For slopes less than 3:12, sealant must be used in side laps
.2 Tuff Rib 26GA Open Framing 36" width 80.0 ksi NON-HVHZ	Min. 16 GA. Steel Framing. Structural	-96.8psf fastening pattern 9"-9"-9"-9" @ 2'-0" o.c.	3/4" rib height @ 9" o.c. thru fastened Corrosion Resistant: #12-14 x 1-1/4" HWH SD w/ sealing washing or @ 9"-9"-9"-9" fastener pattern. Panel side laps fastened together w/ 1/4-14 x 7/8" HWH SD w/ sealer washer at 24" o.c. Paint finish optional. Min. Slope shall comply w/ FBC 2014. For slopes less than 3:12, sealant must be used in side laps.
.3 Tuff Rib 29GA Open Framing 36" width Min. 80.0 ksi NON HVHZ	Min. 16 GA Steel framing. Structural.	-84.3psf fastening pattern 9"-9"-9"-9" @ 2'-0" o.c.	3/4" rib height @ 9" o.c. thru fastened Corrosion Resistant: #12-14 x 1-1/4" HWH SD w/ sealing washing or @ 9"-9"-9"-9" pattern. Side laps fastened together w/ 1/4-14 x 7/8" HWH SD w/ seal washer at 24" o.c. Paint finish optional. Min. Slope shall comply w/ FBC 2014. Slopes less than 3:12, sealant must be used in side laps.

\*Design Pressures includes safety factor=2.0

References

Entity	Report #	Standard	Year
Force Engineering & Testing (TST-5328)	#92-0348T-16H, I	ASTM E 1592-01	
Force Engineering & Testing (TST-5328)	#92-0178T-12B	FM 4471-10	
Force Engineering & Testing (TST-5328)	#92-0348T-06C	UL 580-94 <sup>1</sup> /1897-98 <sup>2</sup>	(2006 <sup>1</sup> /2004 <sup>2</sup> )
Force Engineering & Testing (TST-5328)	#92-0178T-12A	FM 4471-10	
Force Engineering & Testing (TST-5328)	#92-0348T-06D	UL 580-94 <sup>1</sup> /1897-98 <sup>2</sup>	(2006 <sup>1</sup> /2004 <sup>2</sup> )
Force Engineering & Testing (TST-5328)	#92-0178T-12A	FM 4471-10	

1. The UL580-94 test standards are equivalent to the UL580-06 test standard.
2. The UL1897-98 test standards are equivalent to the UL1897-04 test standard.
3. The FM 4471-10 test standards are equivalent to the FM 4471-1992 test standard.

Limitations:

1. Underlayment to be compliance with current Florida Building Code.
2. Minimum slope to be in compliance with Florida Building Code 2014, and in accordance with Manufacturer's installation reference.
3. Products are compliant for State of Florida product approval per Rule 61G20-3
4. Compliance Method: 1-D
5. Fire classification is not part of this acceptance.
6. Shear diaphragm values are outside this report.
7. All support framing to be in compliance with Florida Building Code 2014, Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
8. 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 2014 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.

