

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

Metal Roof Factory
599 Gus Hipp Blvd.
Rockledge, FL 32955

FL 11847

Quality Assurance Program: Keystone Category: Roofing Sub-Category: Metal Roofing Method 1-D
Code: CURRENT FLORIDA BUILDING CODE

Description	Substrate	Design Uplift Pressure*	Fasteners
5 V Crimp 26GA 24" coverage 30 ksi Non Structural HVHZ	15/32" APA plywood for Non HVHZ. For Reroofing HVHZ additional 15/32" APA plywood over existing. For HVHZ use 19/32" APA plywood for new construction. All installs Over supports fastening max spacing 24" o.c. Designed in compliance with CURRENT FLORIDA BUILDING CODE	-108.5 psf* fastening panel rib @ 12" o.c. -156.5 psf* fastening panel rib @ 6" o.c.	3/8" tall rib Thru fastened Corrosion resistant; #9-15 WoodZac w/Zac Head with sealing washer or approved equal 1/4" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12. Fire classification not part of this acceptance. Use RAS 133 for HVHZ.
1.5 Mechanical Lock Standing Seam 24GA 16" width 50 ksi HVHZ	Fasten with steel slider clips into 15/32" APA plywood decking for Non HVHZ. For Reroofing HVHZ additional 15/32" APA plywood over existing. For HVHZ use 19/32" APA plywood for new construction. All installs over supports spaced max. 24" o.c.	-59.75 psf * Clip spacing 24" o.c. 2 fasteners per clip -123.5 psf * Clip spacing 6" o.c. 2 clips per fastener	1-1/2" rib 180° seam double lock w/mechanical seamer Corrosion resistant; (2) #12-11 Pancake type A Corrosion resistant; 1500SC, 1-1/2 sliding clip assembly, two piece slider Top-22GA galvanized steel Base-16GA galvanized steel 1/4" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Fire classification not part of this acceptance. Use RAS 133 for HVHZ
1.0 Nailstrip 24GA 16" width 50 ksi Non Structural Non-HVHZ	Thru fastened into min 15/32" APA plywood decking over supports with max spacing 24" o.c.	-59.75psf * Panel slot fastening: 16" o.c. -101.0psf * Panel slot fastening 6-3/4" o.c. -153.5psf * Panel slot fastening: 6-3/4" o.c. @ 12" o.c. Panel Pen fastening 6-3/4" @ 12" o.c	1/4" male rib-slotted nail strip snap lock Corrosion resistant; through panel slot (1) #10-13 GP Pancake Type A In Panel slot (2) #10-11 eclipse head Type A in the Panel Pen #10-12 Type A PH @ 6-3/4" o.c. (see details) 1/4" min. penetration through plywood Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Approved fire barrier. Fire classification not part of this acceptance. Corrosion resistant; thru fastened #9-15 HWH WoodGrip with sealing washer 1/4" penetration through plywood substrate Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Approved fire barrier Fire classification not part of this acceptance.
Rib 26GA 36" coverage 80 ksi Non Structural Non-HVHZ	Thru fastened into 15/32" APA plywood decking over supports with max. spacing 24" o.c.	-69.25psf* @ 24" o.c. Fasten 9"-9"-9"-9" 146 psf * @ 12" o.c. Fasten 6.5"-2.5"-6.5"-2.5"-6.5"-2.5"-6.5"	1/4" rib height Thru fastened Min. slope 2:12; Lap sealant must be used for slopes less than 3:12 Approved fire barrier Fire classification not part of this acceptance.

Compliance Statement: These products herein evaluated by Locke Bowden, P.E. have demonstrated compliance with the 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.

