



EVALUATION REPORT

FLORIDA BUILDING CODE 7TH EDITION (2020)

Manufacturer: GULF COAST SUPPLY & MANUFACTURING, LLC *Issued April 13, 2021*
 14429 SW 2nd Place, Suite G30
 Newberry, FL 32669
 (352) 498-7852
www.gulfcoastsupply.com

Manufacturing Location: Alachua, FL
 Sebring, FL
 Montgomery, AL

Quality Assurance: Keystone Certifications ,Inc. (QUA1824)

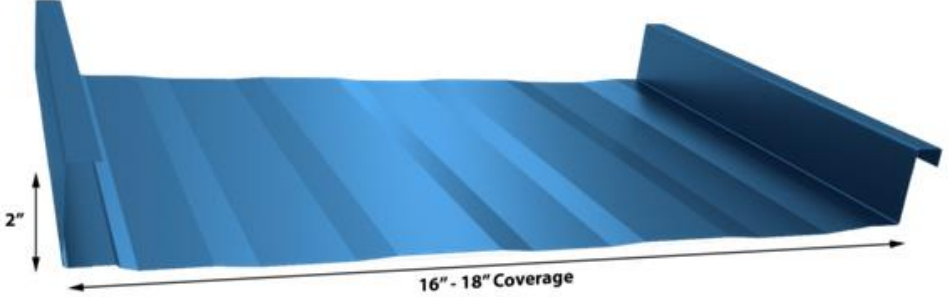
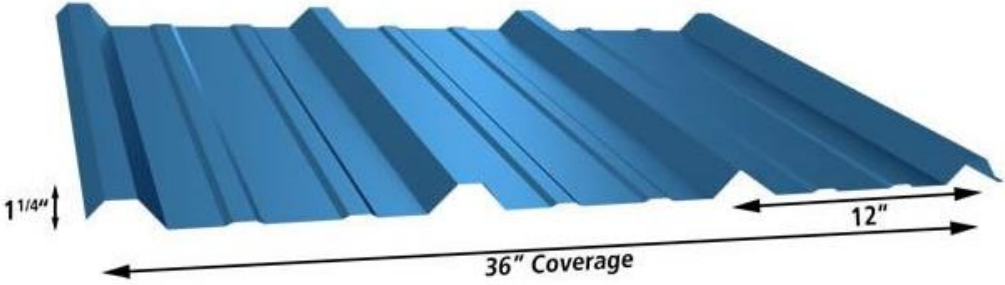
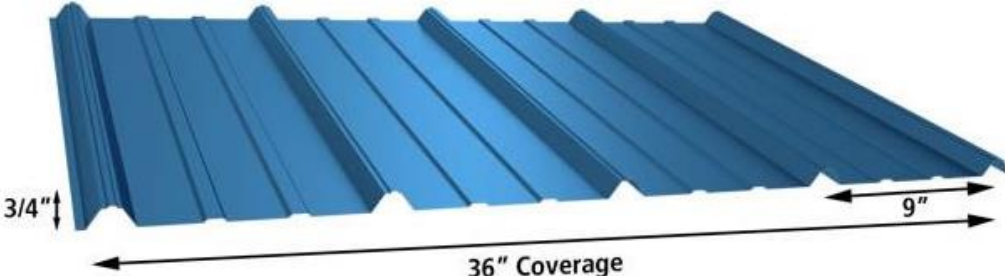
SCOPE

Category: Roofing
Subcategory: Metal Roofing
Code Sections: 1504.3
Properties: Wind Resistance

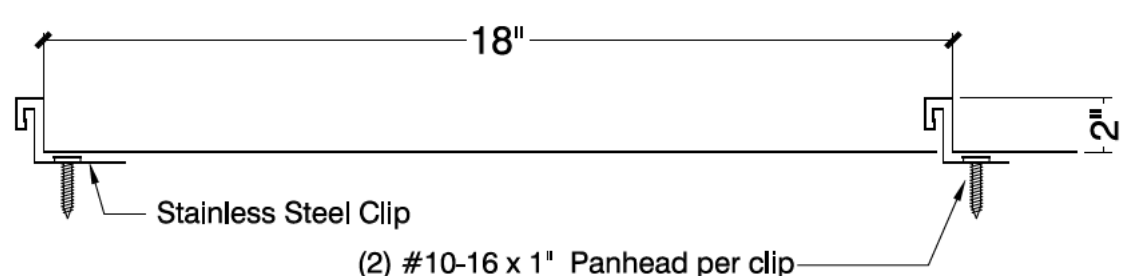
REFERENCES

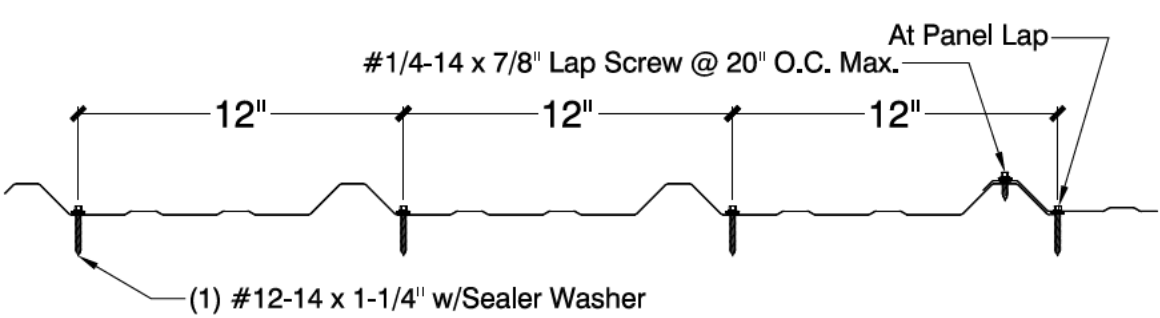
<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Farabaugh Engineering & Testing, Inc. (TST1654)	T202-07	TAS 201	1994
Farabaugh Engineering & Testing, Inc. (TST1654)	T203-07	FM 4471 (G)	2013
Force Engineering & Testing (TST5328)	84-0320T-06A-C	ASTM E 1592	2005(2012)
Force Engineering & Testing (TST5328)	117-0238T-09A	FM 4471	1992
Force Engineering & Testing (TST5328)	117-0238T-09C	FM 4471	1992
Force Engineering & Testing (TST5328)	117-0247T-07B	ASTM E 1592	2005(2012)
Force Engineering & Testing (TST5328)	117-0331T-08C	ASTM E 1592	2005(2012)
Force Engineering & Testing (TST5328)	117-0378T-11A	FM 4471	1992
PRI Construction Materials Technologies (TST5878)	1272T0005	ASTM G 155	2013
PRI Construction Materials Technologies (TST5878)	2292T0004	ASTM E 1592	2005(2012)

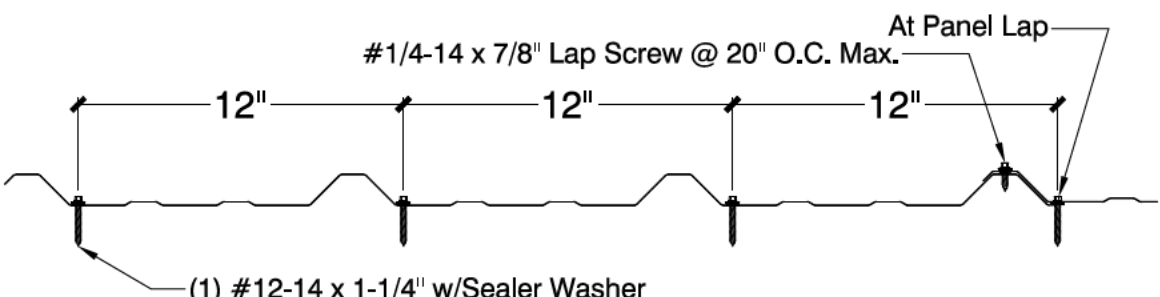
PRODUCT DESCRIPTION

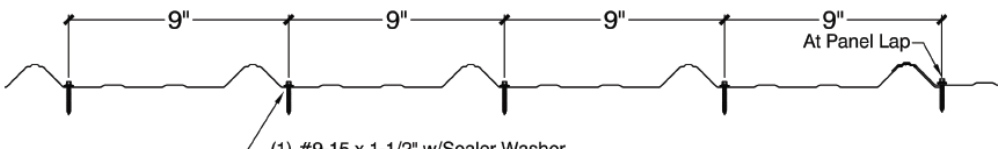
MegaLoc	Profile:	2 in. mechanical seam; Max. 18 in. coverage
	Description:	Mechanical lock 180° standing seam roof panel
	Material:	Min. 24 ga. ASTM A792 AZ50 or ASTM A653 G90; Optional Fluoropon® paint finish; $F_y = \text{min. } 50 \text{ ksi}$; Shall conform with FBC Section 1507.4.3
		
GulfPBR	Profile:	1 1/4 in. ribs at 12 in. o.c.; 36 in. coverage
	Description:	Through fastened roof panel
	Material:	Min. 26 ga. ASTM A792 AZ50 or ASTM A653 G90; Optional Fluoropon® paint finish; $F_y = \text{min. } 80 \text{ ksi}$; Shall conform with FBC Section 1507.4.3
		
GulfRib	Profile:	3/4 in. ribs at 9 in. o.c.; 36 in. coverage
	Description:	Through fastened roof panel
	Material:	Min. 26 ga. ASTM A792 AZ50 or ASTM A653 G90; Optional Fluoropon® paint finish; $F_y = \text{min. } 80 \text{ ksi}$; Shall conform with FBC Section 1507.4.3
		

APPROVED ASSEMBLIES

System MEGA-1: MegaLoc (Min. 24 ga. steel)	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum 16 ga. steel framing spaced maximum 12-inches o.c. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	Two (2) #10-16 x minimum 1-inch Pancake screws per NC33003 Sliding Clip , clips spaced maximum 12-inches o.c. Fasteners shall penetrate through the purlin a minimum 3/8-inch and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	-120 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>
 <p>(2) #10-16 x 1" Panhead per clip</p>	

System PBR-1: GulfPBR (Min. 24 ga. steel)	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum 16 ga. steel framing spaced maximum 60-inches o.c. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	#12-14 x minimum 1.25-inch HWH WoodZAC screws with sealer washer spaced maximum 60-inches o.c. along the panel width with the fastening pattern shown below. Panel seams are secured with #1/4-14 x 7/8-inch HWH ZAC Impax lap screws spaced maximum 20-inches o.c. Fasteners shall penetrate through the purlin a minimum 3/8-inch and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	-60 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>
 <p>#1/4-14 x 7/8" Lap Screw @ 20" O.C. Max. At Panel Lap</p> <p>(1) #12-14 x 1-1/4" w/Sealer Washer</p>	

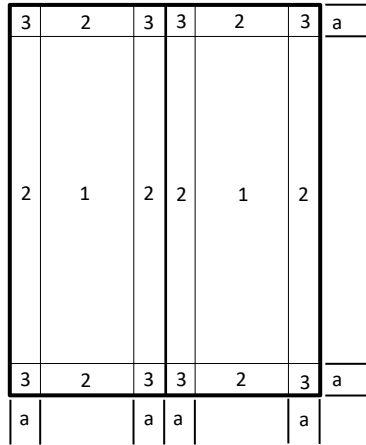
System PBR-2: GulfPBR (Min. 26 ga. steel)	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum 16 ga. steel framing spaced maximum 60-inches o.c. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	#12-14 x minimum 1.25-inch HWH WoodZAC screws with sealer washer spaced maximum 60-inches o.c. along the panel width with the fastening pattern shown below. Panel seams are secured with #1/4-14 x 7/8-inch HWH metal screws with sealing washers spaced maximum 20-inches o.c. Fasteners shall penetrate through the purlin a minimum 3/4-inch and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	-40 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>
 <p>#1/4-14 x 7/8" Lap Screw @ 20" O.C. Max. At Panel Lap</p> <p>12" 12" 12" 12"</p> <p>(1) #12-14 x 1-1/4" w/Sealer Washer</p>	

System RIB-1: GulfRib (Min. 26 ga. steel)	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum No. 2 SYP 2x wood lumber spaced maximum 60-inches. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	#9-15 x minimum 1.5-inch HWH screws with sealer washer spaced maximum 60-inches o.c. along the panel width with the fastening pattern shown below. Fasteners shall fully embed into the purlin and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	+30/-30 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>
 <p>9" 9" 9" 9" At Panel Lap</p> <p>(1) #9-15 x 1-1/2" w/Sealer Washer</p>	

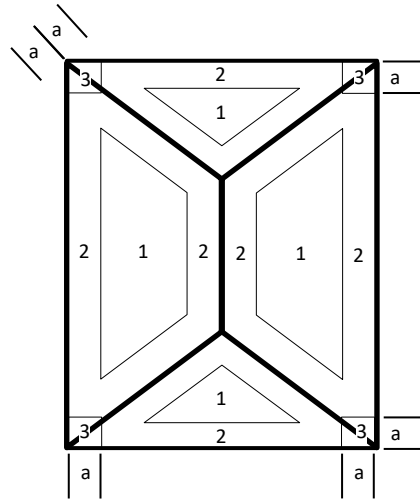


System RIB-1: GulfRib (Min. 26 ga. steel)	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum No. 2 SYP 2x wood lumber spaced maximum 24-inches. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	#9-15 x minimum 1.5-inch HWH screws with sealer washer spaced maximum 24-inches o.c. along the panel width with the fastening pattern shown below. Fasteners shall fully embed into the purlin and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	+30/-37.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>

Gable



Hip



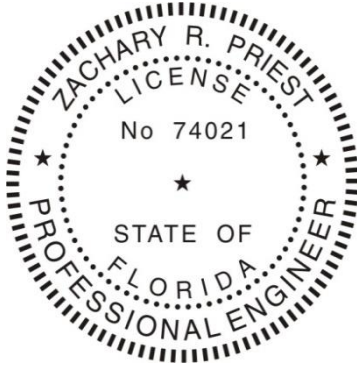
Dimension "a" shall be 10% of the least horizontal dimension or (0.4 x Mean Roof Height), whichever is smaller, but not less than either 4% of the least horizontal dimension or 3ft.

LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
4. Roof systems are evaluated for wind resistance as non-structural roof cladding only. Where structural applications are desired, Chapter 16 structural load evaluations shall be provided by a licensed design professional to the satisfaction of the Authority Having Jurisdiction.
5. Reroofing shall be in accordance with FBC Section 1511.
6. Installation of the evaluated products shall comply with this report, the FBC and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
7. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 7th Edition (2020) as evidenced in the referenced documents submitted by the named manufacturer.



This item has been digitally signed and sealed by Zachary R. Priest, PE, on 4/13/2021.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT