



Product Evaluation Report
RIGID GLOBAL BUILDINGS, LLC.

HI-Tech Series Roof Panel over open framing

Florida Product Approval # 15282.1 R6

Florida Building Code 2026

Per Rule 61G20-3

Method: 1 –D

Category: Structural Components

Subcategory: Roof Deck

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:

Rigid Global Buildings, LLC.

18815 Aldine Westfield

Houston, TX 77073

Engineer Evaluator:

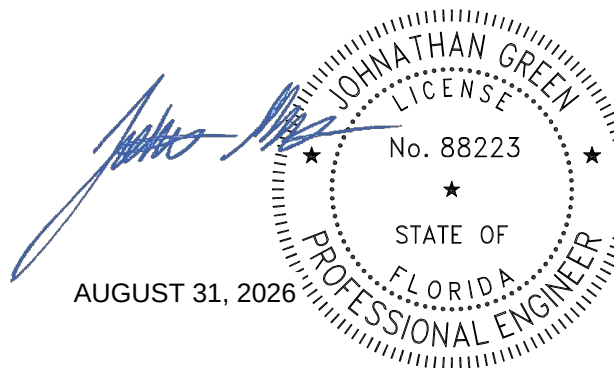
Johnathan Green, P.E. #88223

Florida Evaluation ANE ID: 12901

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHNATHAN GREEN ON THE DATE ADJACENT TO THE SEAL.

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Compliance Statement:	The product as described in this report has demonstrated compliance with the Florida Building Code 2026, Sections 1504.3.2, 1504.7.
Product Description:	HI-Tech Series, 3" Mechanical Lock Standing Seam Roof Panel, 24 Ga. or 22 Ga. Steel, 24" Wide. Structural Application.
Panel Material/Standards:	Material: 24 Ga. or 22 Ga. Steel, conforming to Florida Building Code 2026 Section 1507.4.3. Yield Strength: Min. 50.0 ksi Corrosion Resistance: Panel Material shall comply with Florida Building Code 2026, Section 1507.4.3.
Panel Dimension(s):	Thickness: 24 Ga. 0.0220" bare metal thickness minimum 22 Ga. 0.0285" bare metal thickness minimum Width: 24" Maximum Rib Height: 3" Tall Trapezoidal Rib Panel Seam: Trip-Lok or Quad-Lok Seams w/ mechanical seamer Panel Rollformer: Building Research Systems, Inc.
Roof Panel Clips:	Corrosion Resistance: Per Florida Building Code 2026 Section 1506.7 and Section 1711 for installations within 3000 ft. of a saltwater coastline.
Clip Fastener:	¼-14 Self Driller fastener. The number of clip fasteners must be designed to resist all loads imposed by the panel system in accordance w/ Florida Building Code 2026. Corrosion Resistance: Per Florida Building Code 2026 Section 1506.6, 1507.4.4 and Section 1711 for installations within 3000 ft. of a saltwater coastline.
Substrate Description:	Min. 16 Ga. Steel Framing. Framing must be designed in accordance w/ Florida Building Code 2026.



Allowable Design Uplift Load Tables:

HI-Tech 24 Ga. TripleLok & QuadLok Seam with FC 600 Series and MPS 600 Series Clips

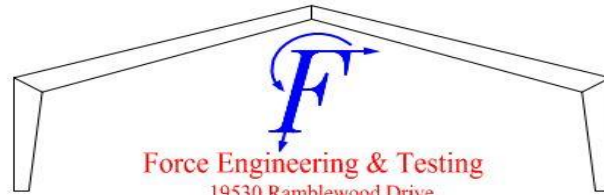
Panel Seam	Span	Allowable Design Load (psf)	Panel Seam	Span	Max. Allowable Design Uplift Load (psf)
TripleLok	2'-0"	90.0	QuadLok	2'-0"	120.0
TripleLok	2'-6"	72.0	QuadLok	2'-6"	90.0
TripleLok	3'-0"	60.0	QuadLok	3'-0"	75.0
TripleLok	3'-6"	51.4	QuadLok	3'-6"	64.3
TripleLok	4'-0"	45.0	QuadLok	4'-0"	56.3
TripleLok	4'-6"	40.0	QuadLok	4'-6"	50.0
TripleLok	5'-0"	36.0	QuadLok	5'-0"	45.0

HI-Tech 24 Ga. QuadLok Seam with BA-602-8 or BA-603-8 Clips

Panel Seam	Span	Max. Allowable Design Uplift Load (psf)
QuadLok	2'-0"	135.0
QuadLok	2'-6"	124.2
QuadLok	3'-0"	113.3
QuadLok	3'-6"	100.0
QuadLok	4'-0"	87.5
QuadLok	4'-6"	77.8
QuadLok	5'-0"	70.0

HI-Tech 24 Ga. QuadLok Seam with BA-602-12 or BA-603-12 Clips

Panel Seam	Span	Max. Allowable Design Uplift Load (psf)
QuadLok	2'-0"	180.0
QuadLok	2'-6"	164.2
QuadLok	3'-0"	141.7
QuadLok	3'-6"	121.4
QuadLok	4'-0"	106.3
QuadLok	4'-6"	94.4
QuadLok	5'-0"	85.0



Force Engineering & Testing
 19530 Ramblewood Drive
 Humble, Texas 77338
 Office: (281) 540-6603 Test Lab: (832) 720-4251
www.forceengineeringtesting.com

HI-Tech 24 Ga. TripleLok Seam with BA-602-16 or BA-603-16 Clips

Panel Seam	Span	Max. Allowable Design Uplift Load (psf)
TripleLok	2'-0"	127.4
TripleLok	2'-6"	116.3
TripleLok	3'-0"	101.5
TripleLok	3'-6"	87.0
TripleLok	4'-0"	76.1
TripleLok	4'-6"	67.7
TripleLok	5'-0"	60.9

HI-Tech 22 Ga. TripleLok & QuadLok Seam with FC 600 Series and MPS 600 Series Clips

Panel Seam	Span	Max. Allowable Design Uplift Load (psf)	Panel Seam	Span	Max. Allowable Design Uplift Load (psf)
TripleLok	2'-0"	122.5	QuadLok	2'-0"	157.5
TripleLok	2'-6"	88.0	QuadLok	2'-6"	112.0
TripleLok	3'-0"	73.3	QuadLok	3'-0"	93.3
TripleLok	3'-6"	62.9	QuadLok	3'-6"	80.8
TripleLok	4'-0"	55.0	QuadLok	4'-0"	70.2
TripleLok	4'-6"	48.9	QuadLok	4'-6"	62.2
TripleLok	5'-0"	44.0	QuadLok	5'-0"	56.0

Load Table Notes:

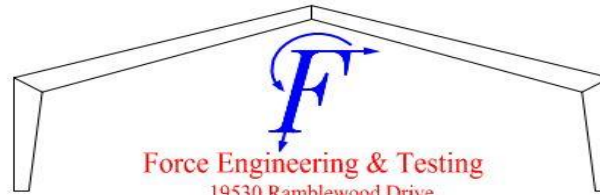
1. Load tables are generated from certified ASTM E1592 testing using the clips stated and a BRS approved seamer.
2. Design Uplift loads are for the panel itself and panel to clip. Clip fasteners must be designed to resist all loads imposed by the panel system.
3. Design Uplift Loads contain a safety of 2.0.
4. FC 600 Series Clips: FC 602, 603, 607, 608 & 609.
5. MPS 600 Series Clips: MPS 602, 602-3, 603, 603-3, 604, 604-3, 605, 605-3, 607, 608 & 609.



Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2026, Section 1504.3.2, 1504.7.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2026, as relates to Rule 61G20-3.
Performance Standards:	The product described herein has demonstrated compliance with: ▪ ASTM E 1592-05 (2017) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference. ▪ FM 4471- 92 - Foot Traffic Resistance Test.
Reference Data:	1. ASTM E 1592-01 Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 201-0254T-09D-F & 201-0254T-09I-K 2. ASTM E 1592-01 Encon Technology, Inc (FBC Organization # TST-6485) Report No.C1417-1 & C1950-1 3. FM 4471-10, Section 4.4 Foot Traffic Resistance Test Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 114-0014T-12C, Dated 02/23/12 4. Certificate of Independence By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing (FBC Organization # ANE ID: 12901)
Test Standard Equivalency:	The ASTM E 1592-01 test standard is equivalent to the ASTM E 1592-05 (2017) test standard. The FM 4471-10 test standard is equivalent to the FM 4471-92 test standard.
Quality Assurance Entity:	The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.
Minimum Slope Range:	Minimum Slope shall comply with Florida Building Code 2026, including Section 1507.4.2 and in accordance with Manufacturers recommendations.

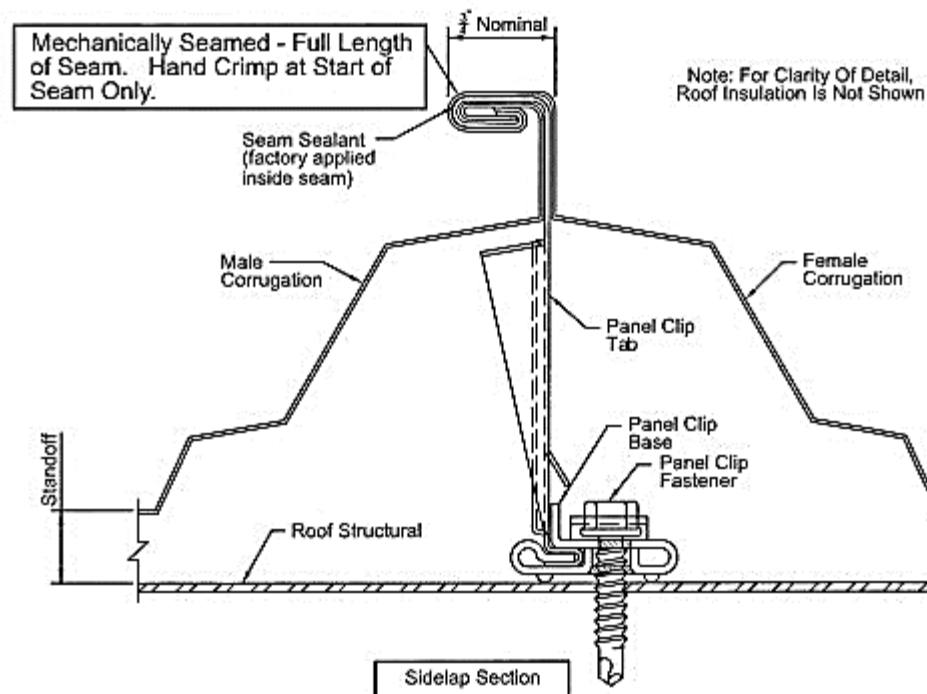
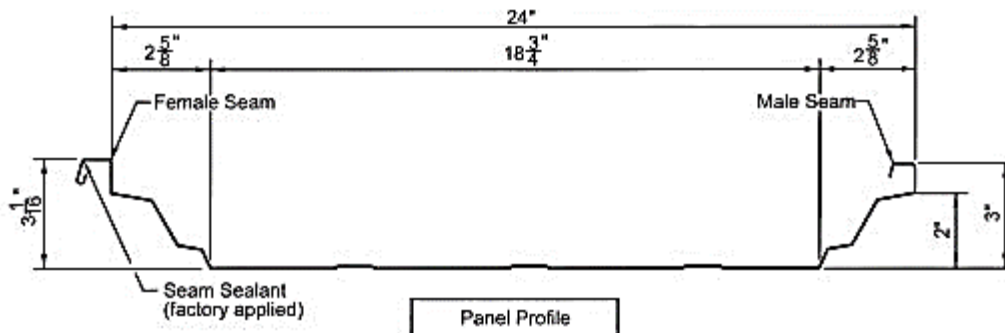


Installation:	Install per manufacturer's recommended details.
Limitation:	Metal hip and ridge covers are outside the scope of this evaluation report and must be in compliance with FBC 2026 Section 1504.3.1.1 through other product approval.
Insulation:	Manufacturer's approved product (Optional)
Roof Panel Fire Classification:	Fire classification is not part of this evaluation.
Shear Diaphragm:	Shear diaphragm values are outside the scope of this report.
Design Procedure:	Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2026 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout. Support framing must be in compliance with Florida Building Code 2026 Chapter 22 for steel, and Chapter 16 for structural loading.



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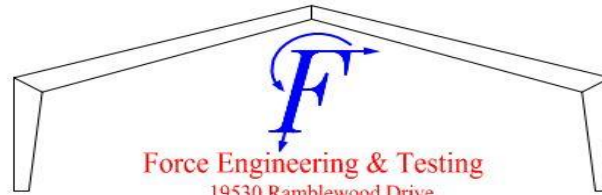
TS-324™ Roof Systems Architectural Details



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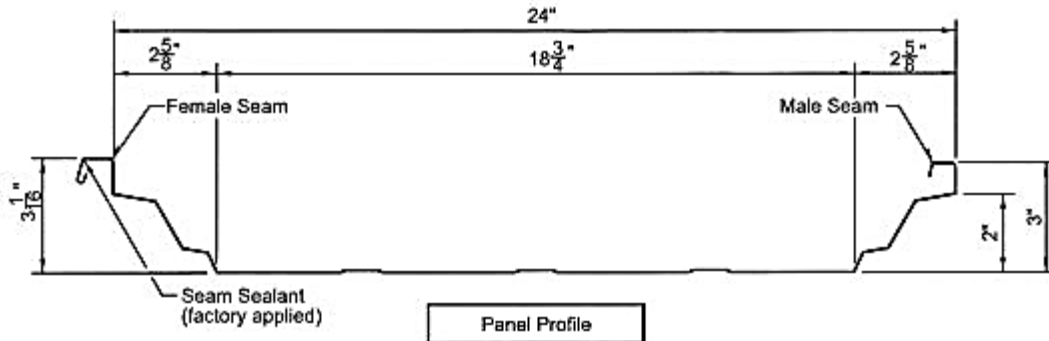
ROOF PANEL SECTIONS - TripleLok® SEAM

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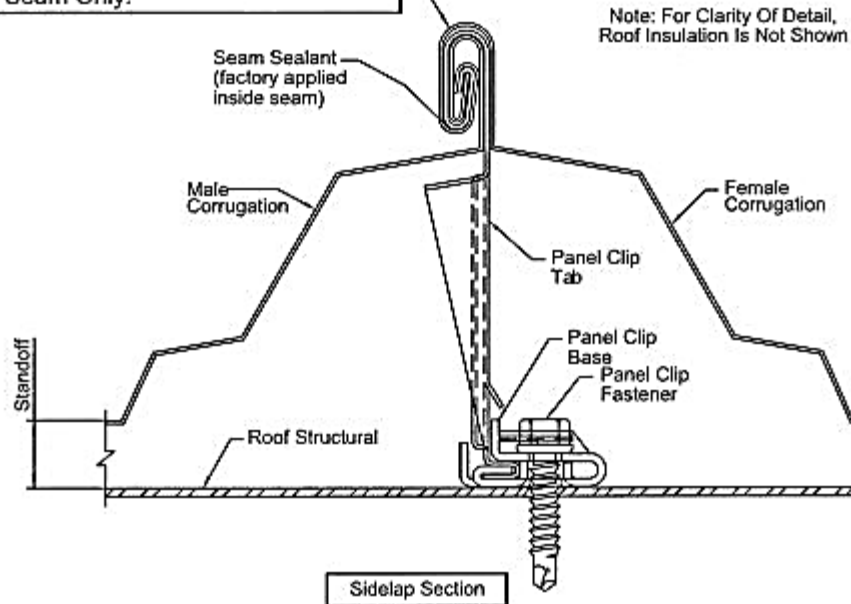


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TS-324™ Roof Systems Architectural Details



Mechanically Seamed - Full Length of Seam. Hand Crimp at Start of Seam Only.



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ROOF PANEL SECTION - QuadLok® SEAM

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