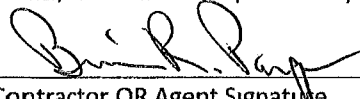


As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL	<i>See Attached</i>		
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCTURAL COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	<i>See Attached Structural Eng. Raised Seal Print</i>		
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b>			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite, 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

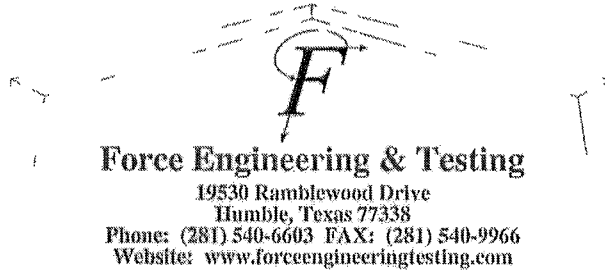
Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection

  
Contractor OR Agent Signature

*5/29/2025*  
Date

NOTES: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



**Product Evaluation Report**  
***FREEDOM MANUFACTURING AND ROOFING SUPPLY, LLC.***

***29 Ga. Freedom Tuff Roof Panel over 1x4 Wood Purlins***

**Florida Product Approval # 33548.3 R1**

Florida Building Code 2023

Per Rule 61G20-3

Method: 1 -D

Category: Roofing

Subcategory: Metal Roofing

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

NON HVHZ

**Product Manufacturer:**

Freedom Manufacturing and Roofing Supply, LLC.

18504 SE Highway 19

Cross City, Florida 32628

**Engineer Evaluator:**

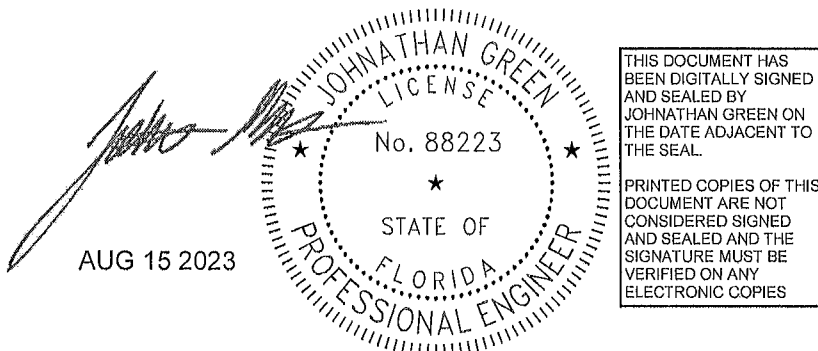
Johnathan Green, P.E. #88223

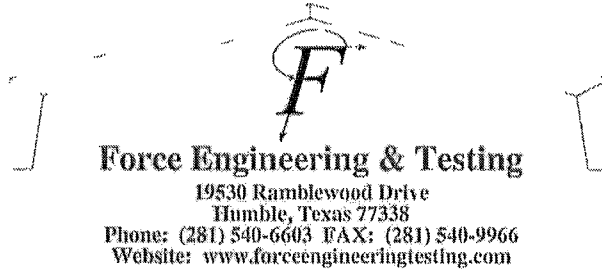
Florida Evaluation ANE ID: 12901

**Contents:**

Evaluation Report: Page 1 - 4

Installation Detail: Page 5





**Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2023, Sections 1504.3 2, 1504.7.

**Product Description:** Freedom Tuff, 29 Ga. Steel, 36" coverage, through fastened roof panel over 1x4 wood purlins over one layer of asphalt shingles (optional) over min. 7/16" OSB decking. Non-Structural Application.

**Panel Material/Standards:** Material: Minimum 29 Ga. Steel conforming to Florida Building Code 2023 Section 1507.4.3.  
 Yield Strength: Min. 80 0 ksi  
 Corrosion Resistance. Panel Material shall comply with Florida Building Code 2023, Section 1507 4.3

**Panel Dimension(s):** Thickness: 0.014" min.  
 Width: 36" maximum coverage  
 Rib Height: ¾" major rib at 9" O C

**Panel Fastener:** #10-16 x 1 1/2" WoodZip HiLo TP-17 with sealing washing or approved equal.  
 Corrosion Resistance: Per Florida Building Code 2023, Section 1507.4.4

**Substrate Description:** Min 1x4 No 2 wood purlins over maximum one layer of asphalt shingles/felt paper (optional) over min 7/16" OSB decking over supports at maximum 24" O.C The 1x4 wood purlins attached through decking into rafters with (2) #9 x 3" deck screws (Min 1 ½" screw penetration into rafters) at 24" O.C maximum. Substrate must be designed in accordance w/ Florida Building Code.

**Allowable Design Uplift Pressures:**

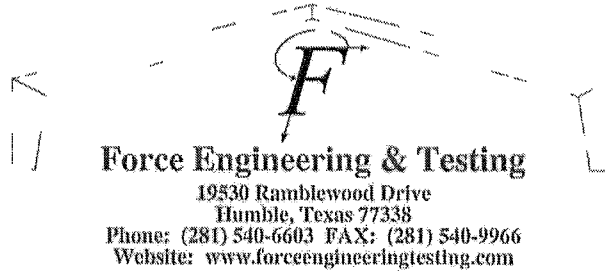
Table "A"

Maximum Allowable Uplift Design Pressure:	78 5 psf	127 3 psf	176 0 psf
Fastener Pattern:	9" 9" 9" 6" 3"	9"-9" 9"-6"-3"	9"-9"-9"-6" 3"
Fastener Pattern / 1x4 Purlin Spacing.	24" O C	18" O C	12" O C

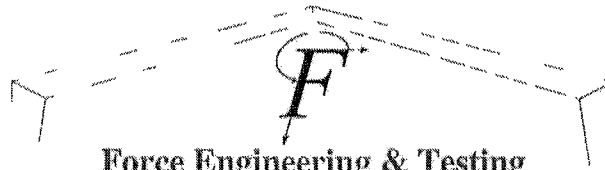
\*Design Pressure Includes a Safety Factor = 2 0



<b>Code Compliance:</b>	The product described herein has demonstrated compliance with The Florida Building Code 2023, Section 1504.3 2, 1504.7.
<b>Evaluation Report Scope:</b>	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2023, as relates to Rule 61G20-3.
<b>Performance Standards:</b>	<p>The product described herein has demonstrated compliance with:</p> <ul style="list-style-type: none"><li>▪ UL 580-06 - Test for Uplift Resistance of Roof Assemblies</li><li>▪ UL 1897-2015 - Uplift Test for Roof Covering Systems</li><li>▪ FM 4471-92 - Foot Traffic Resistance Test</li></ul>
<b>Reference Data:</b>	<ol style="list-style-type: none"><li>1. UL 580-06 / 1897-2012 Uplift Test Force Engineering &amp; Testing (FBC Organization # TST-5328) Report No 731-0141T-20.</li><li>2. FM 4471-10, Section 4 4 Foot Traffic Resistance Test Force Engineering &amp; Testing (FBC Organization # TST-5328) Report No. 731-0141T-20.</li><li>3. Certificate of Independence By Johnathan Green, P.E. #88223</li></ol>
<b>Test Standard Equivalency:</b>	<p>The FM 4471-10, Foot Traffic Resistance test standard is equivalent to the FM 4471-92, Foot Traffic Resistance test standard.</p> <p>The UL 1897-2012, Uplift Test for Roof Covering Systems test standard is equivalent to the UL 1897-2015, Uplift Test for Roof Covering Systems test standard</p>
<b>Quality Assurance Entity:</b>	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
<b>Minimum Slope Range:</b>	Minimum Slope shall comply with Florida Building Code 2023, including Section 1507.4 2 and in accordance with Manufacturers recommendations For slopes less than 3:12, lap sealant must be used in the panel side laps



<b>Installation:</b>	Install per manufacturer's recommended details.
<b>Underlayment:</b>	Per Florida Building Code 2023, Section 1507.1 and manufacturer's installation guidelines.
<b>Roof Panel Fire Classification:</b>	Fire classification is not part of this evaluation.
<b>Shear Diaphragm:</b>	Shear diaphragm values are outside the scope of this report.
<b>Design Procedure:</b>	Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2023 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 and pullover. Support framing must be in compliance with Florida Building Code 2023 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.



## Force Engineering & Testing

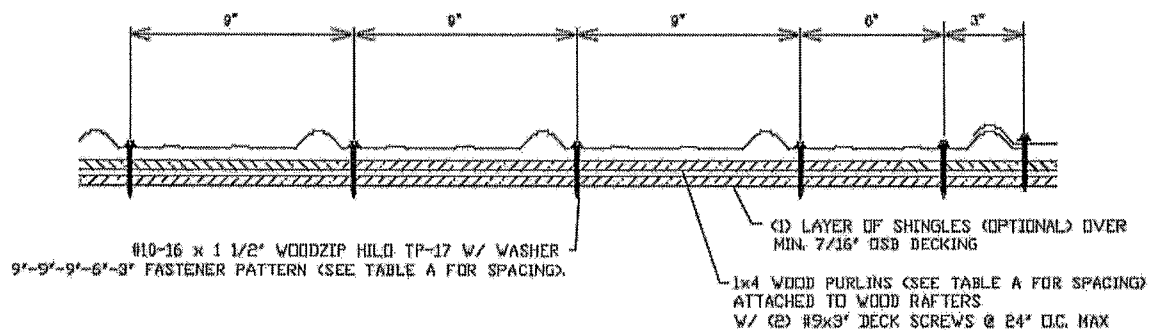
19530 Ramblewood Drive

Humble, Texas 77338

Phone: (281) 540-6603 FAX: (281) 540-9966

Website: [www.forceengineeringtesting.com](http://www.forceengineeringtesting.com)

### FASTENER PATTERN AT PANEL INTERIOR



### FASTENER PATTERN AT PANEL ENDS

