

Product Evaluation Report  
ADVANCED ALUMINUM

26 Ga. Advantage Roof Panel over Plywood

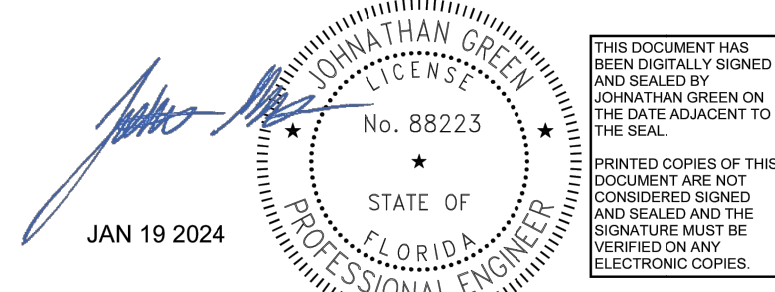
Florida Product Approval # 1763.1 RS  
Florida Building Code 2023  
Per Rule 61G20-3  
Method: 1-D

Category: Roofing  
Subcategory: Metal Roofing  
Compliance Method: 61G20-3.005(1)(d)  
HVHZ

Product Manufacturer:  
Advanced Aluminum  
2941 Parkway Street  
Lakeland, Florida 33811

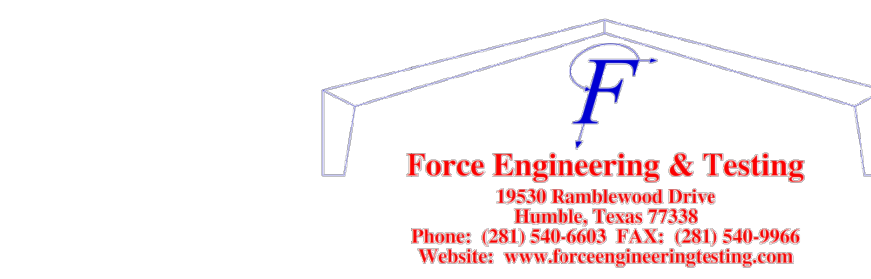
Engineer Evaluator:  
Johnathan Green, P.E. #88223  
Florida Evaluation ANE ID: 12901

Contents:  
Evaluation Report: Page 1 - 4  
Installation Detail: Page 5 - 8



FL# 1763.1 RS

1 of 8



Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2023, Sections 1504.3.2, 1518.9, 1523.6.5.2.4.

Product Description: Advantage Roof Panel, 26 Ga. Steel, 36" Wide, through fastened roof panel over APA Plywood decking. Non-structural Application.

Panel Material/Standards: Material: 26 Ga. Steel, ASTM A792 coated with Weather XL or ASTM A653 G90 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: 0.019" min.  
Width: 36" maximum coverage  
Rib Height: 3/4" major rib at 9" O.C.  
Panel Rollformer: Bradbury Rollformer

Panel Fastener: #10-12 x 1-1/2" Panel Tite with sealing washing or approved equal  
Corrosion Resistance: Per Florida Building Code 2023, Section 1517.6.

Substrate Description: 1) For HVHZ construction, use 19/32" or greater APA Rated plywood or wood plank. In reroofing applications where the deck is less than 19/32" thick (min. 15/32") the attachment of the decking in no case shall be less than 8D annual ring shank nails at 6" O.C. Design of plywood and plywood supports are outside the scope of this evaluation. Substrate must be designed in accordance w/ Florida Building Code.

2) For Non-HVHZ applications, use min. 15/32" thick, APA Rated plywood over supports at maximum 24" O.C. Design of plywood and plywood supports are outside the scope of this evaluation. Substrate must be designed in accordance w/ Florida Building Code.

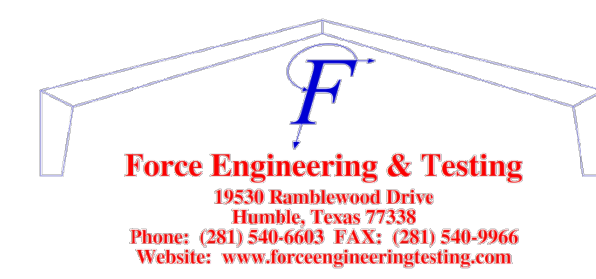
Allowable Design Uplift Pressures: Table "A"

| Maximum Allowable Uplift Design Pressure: | 82.25 psf    | 123.5 psf    |
|---|--------------|--------------|
| Fastener Pattern:                         | 9" x 9" @ 9" | 9" x 9" @ 9" |
| Fastener Spacing:                         | 24" O.C.     | 12" O.C.     |

\*Design Pressure includes a Safety Factor + 2.0.

FL# 1763.1 RS

2 of 8



Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2023, Section 1504.3.2, 1518.9, 1523.6.5.2.4.

Evaluation Report Scope: 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.

Performance Standards: The product described herein has demonstrated compliance with:  
• TAS 125-03  
• UL 580-06 - Test for Uplift Resistance of Roof Assemblies  
• UL 1897-15 - Uplift Test for Roof Covering Systems  
• TAS 100-23 - Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems  
• TAS 110-00 - Accelerated Weathering / Salt Spray

Reference Data: 1. TAS 125-03: UL 580-04 / 1897-98 Uplift Test  
Force Engineering & Testing, Inc. (FBC Organization # TST-5338)  
Report No. 343-0135T-09  
2. TAS 100-95  
Farabaugh Engineering & Testing, Inc. (FBC Organization # TST-1654)  
Report No. T202-09  
3. TAS 110-00: Sherwin-Williams WeatherXL Coating  
4. Certificate of Independence  
By Johnathan Green, P.E. (No. 88223)

Test Standard Equivalency: 1. The UL 580-94 test standard is equivalent to the UL 580-06 test standard.  
2. The UL 1897-98 test standard is equivalent to the UL 1897-15 test standard.  
3. The TAS 100-95 test standard is equivalent to the TAS 100-2023 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: 2:12. Minimum Slope shall comply with Florida Building Code 2023, including Section 1515.2.2 and in accordance with Manufacturer's recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.

Installation: Install per manufacturer's recommended details and RAS 133.

Underlayment: Per Manufacturer's installation guidelines per Florida Building Code 2023 Section 1518.2.

Fire Barrier: Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. Fire classification is not part of this acceptance.

FL# 1763.1 RS

3 of 8



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 2023 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. 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.

01/23/2026

DATE

WILLIAM H. ROBERTS  
PE # 42712

I HEREBY CERTIFY THAT THE CONSTRUCTION PLANS SHOWN HERE ON COMPLY WITH CHAPTER 16, SECTION 1609 OF THE 8TH EDITION 2023 FBC, BUILDING CODE FOR A 130 MPH ULTIMATE DESIGN WIND SPEED (RISK CATEGORY I) (WIND EXPOSURE C) ALONG WITH THE 8TH EDITION 2023 FBC, BUILDING & RESIDENTIAL CODE.

Project Name:

KYLE ARCHAKI  
RESIDENCE  
POLE BARN  
CONSTRUCTION PLANS

OWNER: KYLE ARCHAKI

ADDRESS: 4221 SAM KEEN RD  
LAKE WALES  
FL. 33898

REVISIONS

| NO | DATE       | DESCRIPTION           |
|----|------------|-----------------------|
| 0  | 01/23/2026 | ISSUED FOR PERMITTING |

DWG FILE: 26-862.001-KYLE ARCHAKI

DRAWN BY: DWH CHKD BY: WHR

SHEET TITLE:

METAL ROOF  
ATTACHMENT  
DETAILS

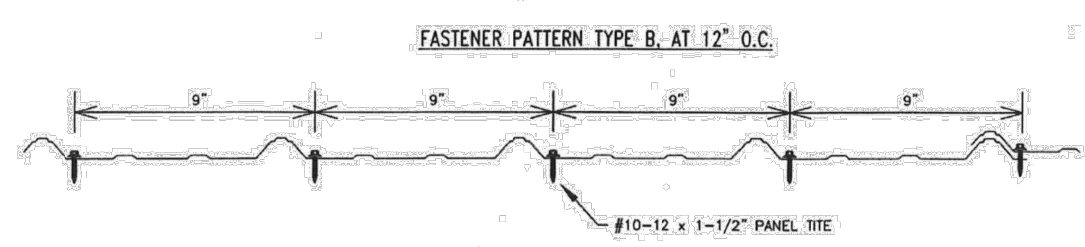
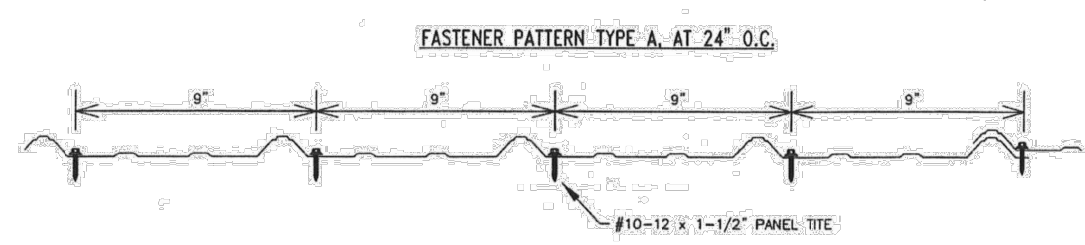
SHEET COUNT: 7 OF 7

SHEET IDENTIFICATION:

A7



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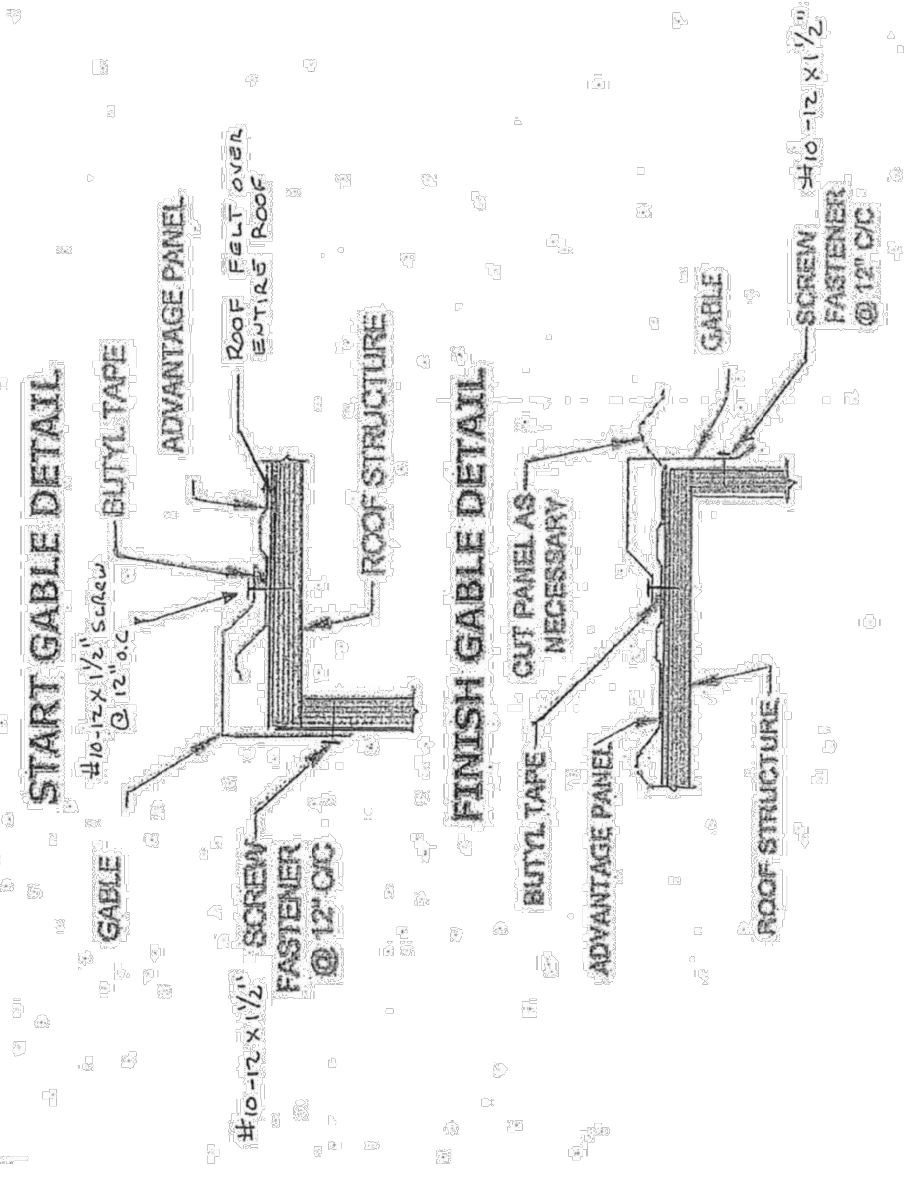


FL# 1763.1 RS

5 of 8



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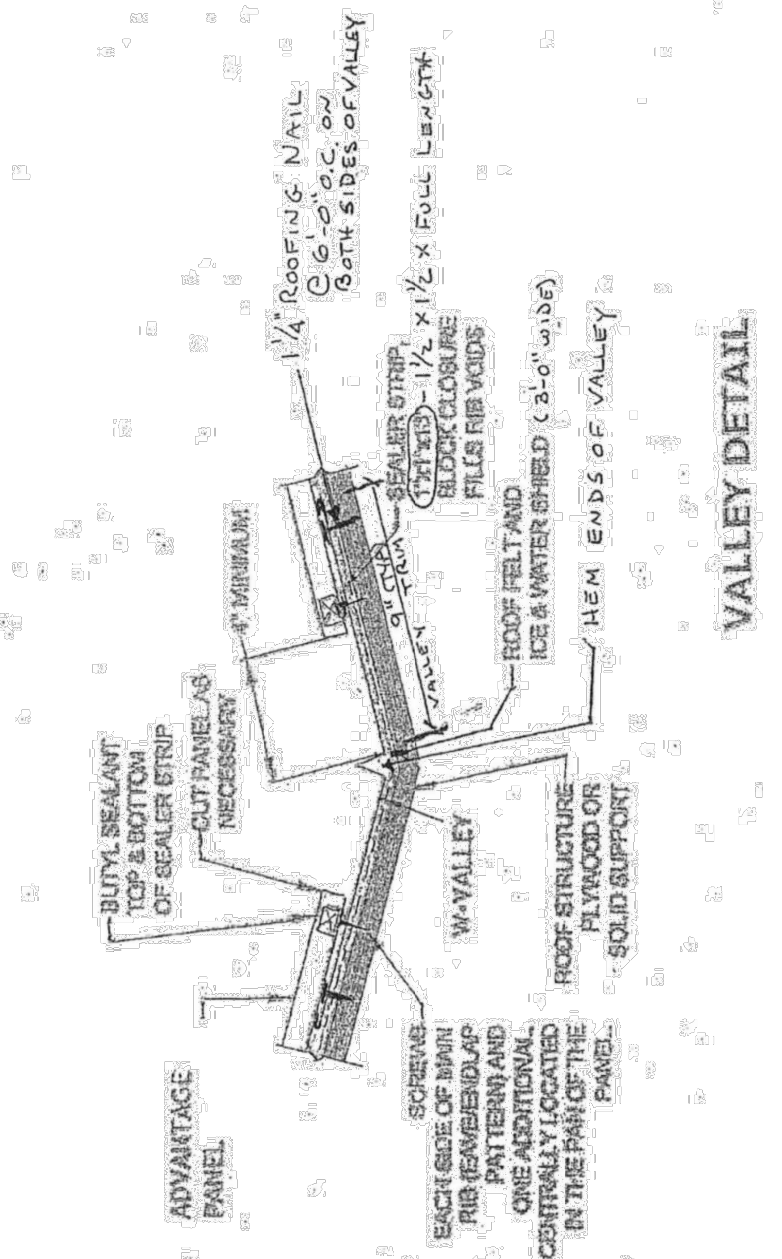


FL# 1763.1 RS

6 of 8



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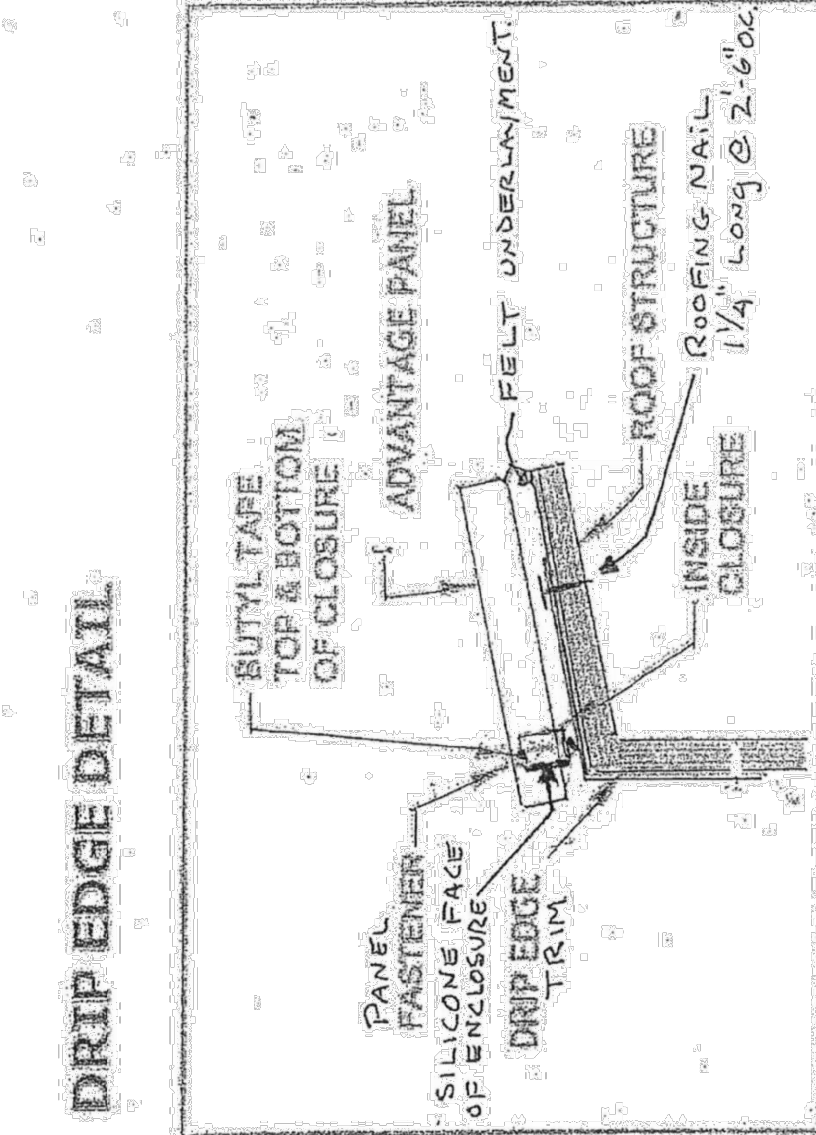


FL# 1763.1 RS

7 of 8



26 Ga. Advantage Roof Panel over plywood



FL# 1763.1 RS

8 of 8