BUILDING DROPS
398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

Agri-Metal Supply, Inc.
Roof Decking Panel System
(Non-HVHZ) (Non-Impact)
for

Florida Product Approval

FL# FL13838

Report No. 7314

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Structural Components**
Sub – Category:	**Roof Deck**
Product:	**Tuff-Rib Roof Decking System**
Materials:	**ASTM A792 Steel with Galvalume AZ55 Coated Finish**
Panel Thickness:	**29 Gauge Minimum**
Product Dimensions:	**See Installation Instructions AMS008**

Prepared for:
Agri-Metal Supply, Inc.
Industrial Park Circle Box C
Mayo, FL 32006

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 9/5/2023

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.19 17:14:55 -04'00'

Hermes F. Norero, P.E.
Florida P.E. No. 73778

Manufacturer: **Agri-Metal Supply, Inc.**

Product Category: Structural Components

Product Sub-Category: Roof Deck

Compliance Method: State Product Approval Rule (1)(d)

Product Name: **Tuff-Rib Roof Decking System (Non-HVHZ) (Non-Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Agri-metal Supply, Inc.** based on **Method 1d** of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **AMS008**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **excluding** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. Site conditions that deviate from the details of Installation Instructions **AMS008** require further engineering analysis by a licensed engineer or registered architect.
4. See Installation Instructions **AMS008** for size and design pressure limitations.
5. Minimum slope shall be in accordance with Current FBC section 1504.7.
6. Underlayment per manufacturer's guidelines according to Current FBC section 1507.1.1.
7. Need to allow 1 sqft for ventilation for every 150 sqft of roof.

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Quality Assurance: The manufacturer has demonstrated compliance of roofing products in Accordance with the Florida Building Code and State Rules for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Farabaugh Engineering and Testing, Inc** (FBC Organization #: QUA 7733)

Performance Standards: The product described herein has been evaluated per:

- ASTM E1592-05(17)
- FM 4471-92

Referenced Data:

1. Product Testing performed by **Force Engineering & Testing, Inc.**
   (FBC Organization # TST5328)
   Report #: 429-0032T-13A, Report Date: 2/14/2013

2. Product Testing performed by **Cerney & Ivey Engineers, Inc.**
   (FBC Organization # TST3850)
   Report #: 26090, Report Date: 5/22/2006

3. Quality Assurance
   Farabaugh Engineering and Testing, Inc
   (FBC Organization # QUA7733)

Installation:

Refer to Installation Instructions (**AMS008**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AMS008**) for design pressure configurations.

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Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. Agri Metal Supply Inc. has tested their products to the following test standard edition(s):

1. ASTM E1592-01

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

1. ASTM E1592-05(17)

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.