EVALUATOR
Gary Hartman, P.E. (ANE11725)
88 Boxwood Drive
Hershey, PA 17033

MANUFACTURING LOCATION
PennBarry
843 Indianapolis Ave
Lebanon, IN 46052

1. SUBJECT

1.1 ***Dynamo DynaPak (DD) Roof Vents*** 12/19/2021

2. SCOPE

2.1 The Evaluator has evaluated the above product(s) for compliance with the applicable sections of the following codes:

2.1.1 Florida Building Code Seventh Edition (2020), *Building*

2.1.2 State of Florida 61 G 20-3, FAC, Product Approval

2.2 The Evaluator has evaluated the above product for structural performance including resistance to impact by wind-borne debris.

3. USES

3.1 General. *Dynamo DynaPak (DD) Roof Vents* are evaluated as Roofing Accessories that are an Integral Part of the Roofing System.

3.2 High Velocity Hurricane Zones. The subject of this report has been evaluated for use in high velocity hurricane zone (HVHZ).

4. DESCRIPTION

4.1 General. *Dynamo DynaPak (DD) Roof Vents* are hooded roof-mount centrifugal fans comprised of aluminum and galvanized steel parts, and mounted to galvanized steel or aluminum curbs. Refer to the Installation Instructions, dated 12/19/2021 and signed and sealed by Gary Hartman, P.E., for additional details on materials, parts, and assembly.

4.2 Models

4.2.1 D20DP
4.2.2 D24DP

4.3 Materials

4.3.1 Frame at attachment to the curb is 0.042" 36 ksi galvanized steel.
4.3.2 Steel curbs are comprised of 18 ga 36 ksi galvanized steel.
4.3.3 Aluminum curbs are comprised of 0.125" 3003-H14 Aluminum.

5. DESIGN

5.1 Overall Structural System. The scope of this report is limited to the evaluation of the Dynamo DynaPak (DD) Roof Vents, curbs, and their attachment to the roof deck (by others). The overall structural system of the building including the design and support of the roof deck are beyond the scope of this evaluation report.

5.2 Design Wind Loads. Design wind loads to be resisted by the product shall be determined using Chapter 16 of the Florida Building Code. These wind loads are compared to the allowable design pressures listed herein.

5.3 Design Pressures. This evaluation is based on allowable design pressures of +/-70 psf.

6. INSTALLATION

6.1 General. *Dynamo DynaPak (DD) Roof Vents* shall be identified and erected in accordance with this report, the approved construction documents and the Florida Building Code.

6.2 Anchorage. Anchor to the existing roof deck (by others) in accordance with the anchor details and schedules shown on the installation instructions.

6.3 Curbs: Curbs shall be installed in accordance with Section 1510.10.

7. CONDITIONS OF USE

Dynamo DynaPak (DD) Roof Vents as described in this report comply with the Florida Building Code, subject to the following conditions:

7.1 Installation complies with this report and the installation instructions.

7.2 The products are manufactured in the production facilities listed in this report.

7.3 Wood 'Sleepers' shall not be permitted per Section 1522.2.

7.4 Conditions not specifically addressed by this report shall be designed by a registered Florida design professional.

7.5 Weatherproofing and fire classification are beyond the scope of this report.

This Engineering Evaluation Report is intended to indicate that the Evaluator has evaluated the product(s) herein based on the information available at the time of report issuance. The Evaluator reserves the right to modify, amend or withdrawal this report at any time based on information that becomes available subsequent to the issuance of this report. The Evaluator makes no warranty, either expressed or implied, regarding the product covered by this report.

8. EVIDENCE SUBMITTED

The Evaluator has examined the following evidence to evaluate this product:

8.1 Test reports:

8.1.1 Architectural Testing, Inc. Plano, TX (TST 1910), Report #G2327.01-801-18

8.1.1.1 Signed/Sealed by Tyler Westerling, P.E. on November 7th, 2016.

8.1.1.2 TAS 202-94 (+/- 70.0psf)

8.1.1.3 TAS 201 -94 (Large Missile Impact Resistance)

8.2 Calculations:

Calculations dated 12/19/2021 and signed and sealed by Gary Hartman, P.E.

9. QUALITY ASSURANCE

Dynamo DynaPak (DD) Roof Vents are manufactured under a quality assurance program audited by an approved quality assurance entity in accordance with the Florida Building Code and Rule 61G20-3.

12/19/2021

This item has been electronically signed and sealed by Gary Hartman using an SHA authentication code.

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic

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