NailBase No. 4006

Subject: Ventilation Accessory Products

Date: July 2011 (Revised January 2019)

Metal-Era, a leader in roof ventilation systems, provides a wide range of ventilation products for roof systems. Hi-Perf ridge vents and Hi-Perf vented fascia are two key products offered by Metal-Era that are suitable for use with Foam-Control® Nailbase Vent-1 and Vent-2. Metal-Era offers a wide range of technical service for designing a properly balanced system with appropriate net free area (NFA) to ensure optimum service life.

**Metal-Era Hi-Perf ventilation products are recommended as the preferred product for use with Foam-Control Nailbase Vent-1 and Vent-2.**

Attached to this bulletin is introductory information on Metal-Era’s Intake & Exhaust Roof Ventilation Systems. Please visit www.metalera.com for complete information on Metal-Era products for use with Foam-Control Nailbase Vent-1 and Vent-2.

When using ventilation products other than Metal-Era, please contact the ventilation product manufacturer for installation recommendations and technical support.
Build in *Performance*
with Metal-Era’s Intake & Exhaust Roof Ventilation Systems

Marcy Townhall | Marcy, NY
Hi-Perf Vented Fascia
Vented Nailbase Version
Hi-Perf Ridge Vent
Slope to Slope Version
Hi-Perf Ridge Vent
Slope to High Wall Version
Since 1980, Metal-Era has offered unequaled service in the industry, and has provided a wide selection of engineered roof edge and roof ventilation systems designed to meet the roofing industry’s strictest standards. Airflow Solutions was developed to create a standard method of intake and exhaust ventilation for commercial roofs. The Hi-Perf line is the only solution on the market to ensure consistent intake and exhaust airflow underneath the roof covering of commercial buildings.

**Individually Engineered for Your Project**

Intake Ventilation

**Build in Performance**

- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Standard NFAs from 12 in.$^2$/lf to 42 in.$^2$/lf with Custom Designs Available for Larger NFAs
- All Metal, Commercial-Grade Design with Multiple Cover Options
- Works with All Vented Nailbase & Attic Applications
- Supplied in 12’ Lengths for Quick & Easy Installation

**Hi-Perf Intake Vent** for use when eave venting is not possible

**Hi-Perf Vented Fascia** Vented Nailbase (shown) & Attic Vented Versions

**Hi-Perf Truss Vent**

800-558-2162 | airflow@metalera.com | metalera.com
Exhaust Ventilation
Hi-Perf Ridge Vents

**Build in Performance**

- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Tested for Wind Driven Rain per TAS 100 (A)
- Engineered to Project’s Specific NFA Needs
- Snap-On Cover
- Works with Shingles, Metal Roofs & Other Roof Coverings
- Easy Installation with 12’ Lengths

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**Hi-Perf Wind & Ventilation Warranty**

120 mph • 20 years

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**Slope to Slope Version**

**Sloped Roof Meets High Wall Version**

**Sloped Roof Meets Flat Roof Version**

**Sloped Roof Meets Vertical Wall Version**

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**THE ONLY PERFORMANCE WARRANTED SOLUTIONS AVAILABLE**

800-558-2162 | airflow@metalera.com | metalera.com
Proper roof ventilation is critical to the longevity and effectiveness of the roof system. Commercial buildings have several unique features, including:

- Larger structures
- Longer runs
- Larger surface area of the roof
- Lower pitches
- Larger heating and cooling systems, which are often placed on the roof

All of these characteristics impact the ventilation of the roof and should influence proper product selection.

Achieving the right amount of net free area (NFA) for your project will ensure performance and longevity, as well as provide cost savings.

Metal-Era and independent, third-party research confirms that the amount of air space underneath the roof sheathing directly impacts roof performance. Most products on the market are designed for residential applications. As a result, they often don’t provide the necessary amount of NFA for larger structures to create a balanced system with both intake and exhaust venting.

Hi-Perf roof ventilation solutions are designed to work in harmony with each other to create a balanced system.

Achieving the proper airflow underneath the roof covering will contribute to a cool roof system, providing numerous sustainable benefits, including:

- Lower heating and cooling costs
- Increased life of the roof covering
- The elimination of moisture build-up
- Reduced threat of mold and mildew problems
- The elimination of dangerous and damaging ice dams

Download our LEED white paper at www.metalera.com to learn more about how Hi-Perf Vented Fascia and Ridge Vent can help you earn LEED credits.

For more information, resources and ventilation calculators: www.metalera.com

Build in Performance

- Complete Balanced Solution for Commercial Roof Systems
- Solutions for Challenging & Unique Designs
- NFA is Specifically Calculated to Meet Your Project’s Needs
- Contributes to a Cool Roof System
- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
There’s No Comparison

When comparing Hi-Perf Vented Fascia to typical eave ventilation details, it’s easy to see how Hi-Perf will save you time and money, all the while guaranteeing superior performance. With Hi-Perf you know you’ll get a solution that works because Metal-Era builds in performance.

<table>
<thead>
<tr>
<th>Hi-Perf Vented Fascia</th>
<th>Typical Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Airflow</strong></td>
<td>Results vary depending on construction; no assurances that proper airflow will be provided</td>
</tr>
<tr>
<td>Guarantees proper airflow at the eave for the unique needs of each project, thereby preserving the roof covering by helping create a cool roof system</td>
<td></td>
</tr>
<tr>
<td><strong>Wood Blocking</strong></td>
<td>Typical wood blocking applications are inconsistent, costly and may be combustible</td>
</tr>
<tr>
<td>No wood blocking or vented soffits required, thereby reducing costly, inconsistent field labor, and it is non-combustible</td>
<td></td>
</tr>
<tr>
<td><strong>Trades</strong></td>
<td>Many trades involved causing decentralized responsibility</td>
</tr>
<tr>
<td>Reduces the number of trades involved, thus consolidating responsibility</td>
<td></td>
</tr>
<tr>
<td><strong>Design</strong></td>
<td>Design varies in quality &amp; performance; multiple components &amp; products required</td>
</tr>
<tr>
<td>A single factory manufactured &amp; engineered product serves the needs of multiple products; simple designs for easy installation &amp; consistent performance</td>
<td></td>
</tr>
<tr>
<td><strong>Warranty &amp; Testing</strong></td>
<td>No warranty available</td>
</tr>
<tr>
<td>Carries a 20 Year, 120 mph Wind &amp; Ventilation Warranty</td>
<td></td>
</tr>
</tbody>
</table>

Hi-Perf Vented Fascia, when combined with Hi-Perf Ridge Vent, is **ideal for creating a balanced roof ventilation system.**

**Increase the longevity of your roof with Hi-Perf.**

800-558-2162 | airflow@metalera.com | metalera.com
With design specific engineering, unmatched performance, unbeatable service, easy installation, and an industry leading warranty, **Airflow Solutions** will simplify your life.

Request a sample or quote today. Contacting us is easy, and our knowledgeable staff is here to help.

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Metal-Era, Inc. is a Minority Business Enterprise and a member of the National Minority Supplier Development Council. Download Minority Business certificates for your region at www.metalera.com.

Visit www.metalera.com or call 800-558-2162 for more information on our continuing education programs.

Cover Photo  
Architect: Peter Monterose, McDonald & Monterose Architects

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