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TECH BULLETIN NAILBASE

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 ThermaFoam R-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 ThermaFoam R-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 ThermaFoam R-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.



www.powerfoam.com



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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



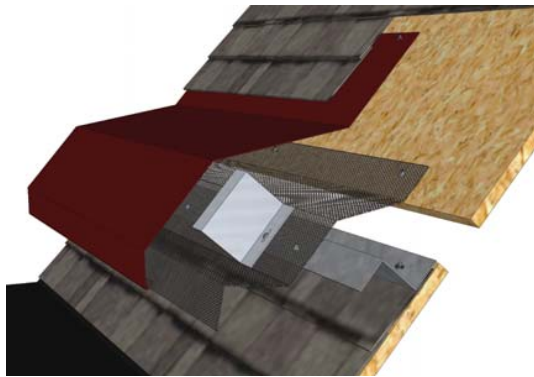
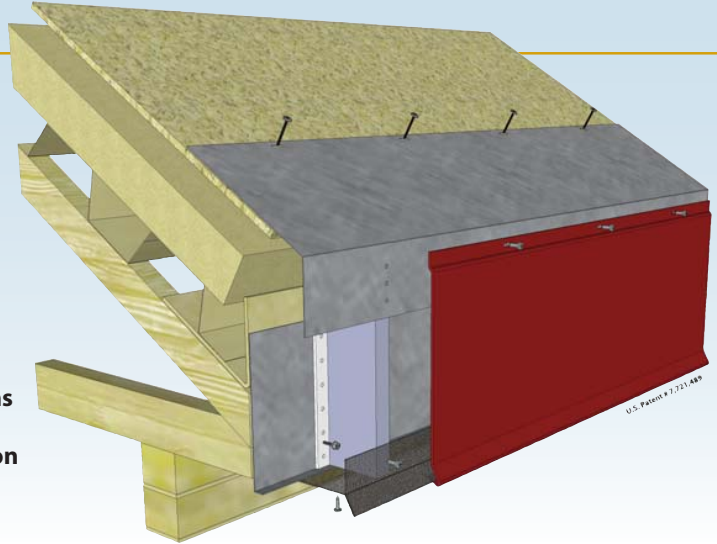
Individually Engineered for Your Project

Since 1980, Metal-Era has offered unequalled 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 constant intake and exhaust airflow underneath the roof covering of commercial buildings.

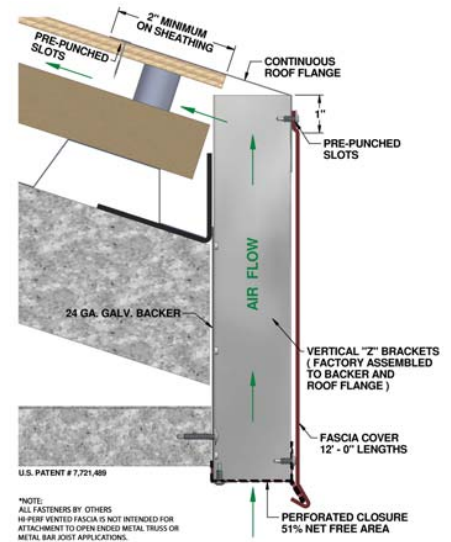
Intake Ventilation

Build in Performance

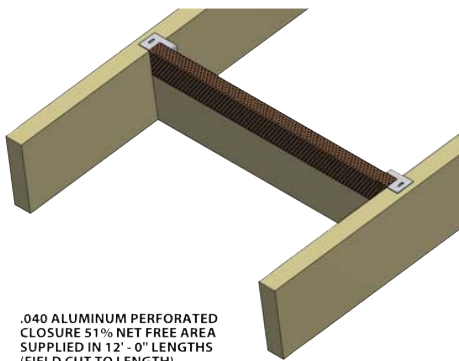
- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Standard NFAs from 12 in.²/lf to 42 in.²/lf with Custom Designs Available for Larger NFAs
- All Metal, Commercial-Grade Design with Multiple Cover Options
- Works with All Vented Nailbase & Attic Applications
- Supplied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



.040 ALUMINUM PERFORATED CLOSURE 51% NET FREE AREA SUPPLIED IN 12' - 0\"/>

Hi-Perf Truss Vent

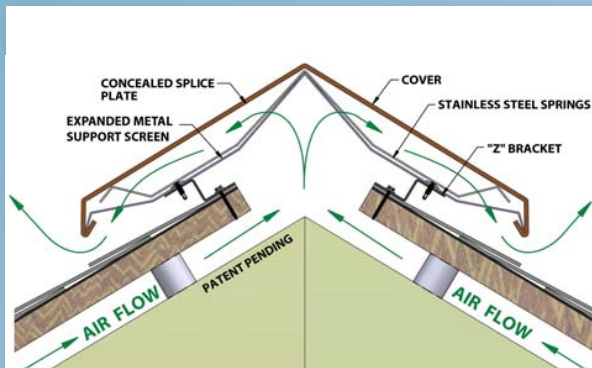
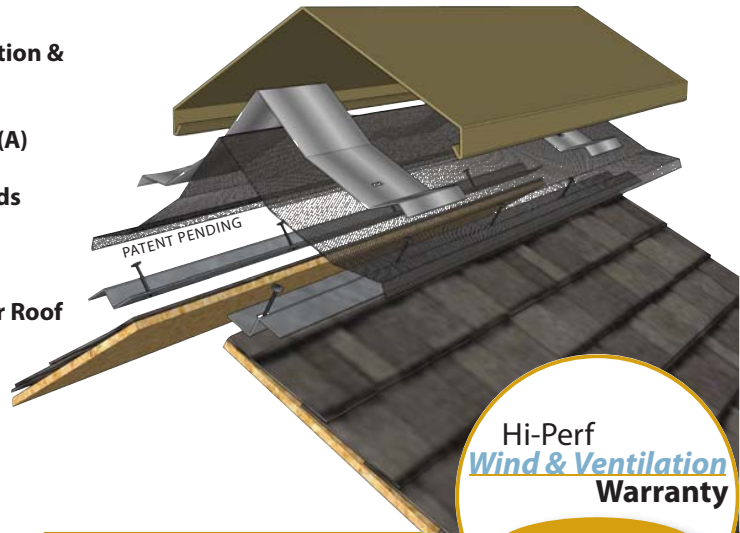


Exhaust Ventilation

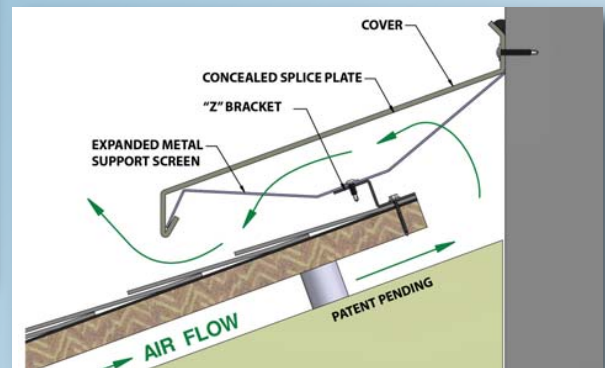
Hi-Perf Ridge Vents

Build in Performance

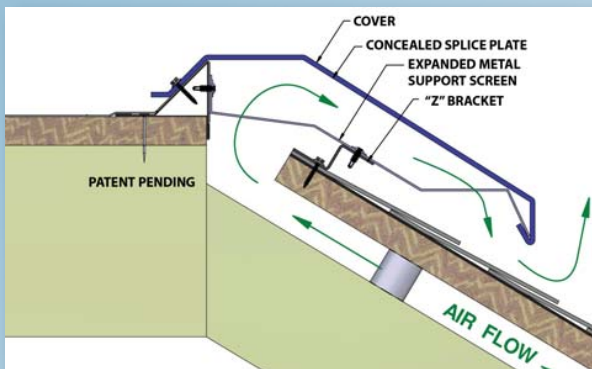
- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Tested for Wind Driven Rain per TAS 100 (A)
- Engineered to Project's Specific NFA Needs
- Snap-On Cover
- Works with Shingles, Metal Roofs & Other Roof Coverings
- Easy Installation with 12' Lengths



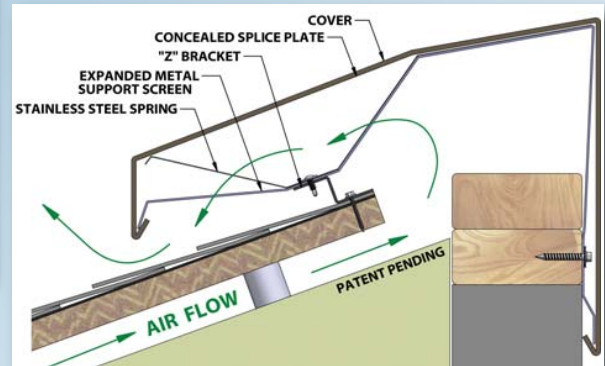
Slope to Slope Version



Sloped Roof Meets High Wall Version



Sloped Roof Meets Flat Roof Version



Sloped Roof Meets Vertical Wall Version

THE
**ONLY PERFORMANCE
WARRANTED SOLUTIONS AVAILABLE**

A Complete, Balanced System

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.**

<h3>Hi-Perf Vented Fascia</h3>	<h3>Typical Construction</h3>
<p>Airflow 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</p>	<p>Results vary depending on construction; no assurances that proper airflow will be provided</p>
<p>Wood Blocking No wood blocking or vented soffits required, thereby reducing costly, inconsistent field labor, and it is non-combustible</p>	<p>Typical wood blocking applications are inconsistent, costly and may be combustible</p>
<p>Trades Reduces the number of trades involved, thus consolidating responsibility</p>	<p>Many trades involved causing decentralized responsibility</p>
<p>Design A single factory manufactured & engineered product serves the needs of multiple products; simple designs for easy installation & consistent performance</p>	<p>Design varies in quality & performance; multiple components & products required</p>
<p>Warranty & Testing Carries a 20 Year, 120 mph Wind & Ventilation Warranty</p>	<p>No warranty available</p>

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.

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.

Call: 800-558-2162

Email: airflow@metalera.com

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Cover Photo

Architect: Peter Monterose,
McDonald & Monterose
Architects



Mixed Sources

Product group from well-managed forests and other controlled sources
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