

## 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 R-Shield® Nailbase Vent-1. 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 R-Shield Nailbase Vent-1.**

Attached to this bulletin is introductory information on Metal-Era's Intake & Exhaust Roof Ventilation Systems. Please visit [www.metalera.com](http://www.metalera.com) for complete information on Metal-Era products for use with R-Shield Nailbase Vent-1.

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



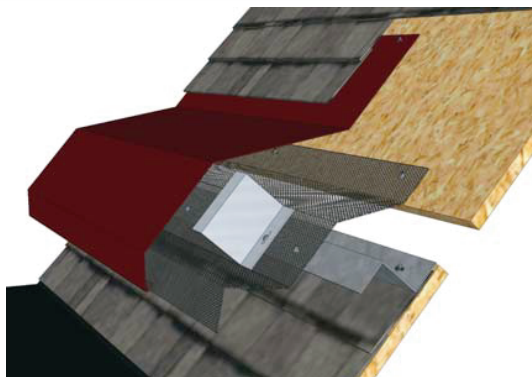
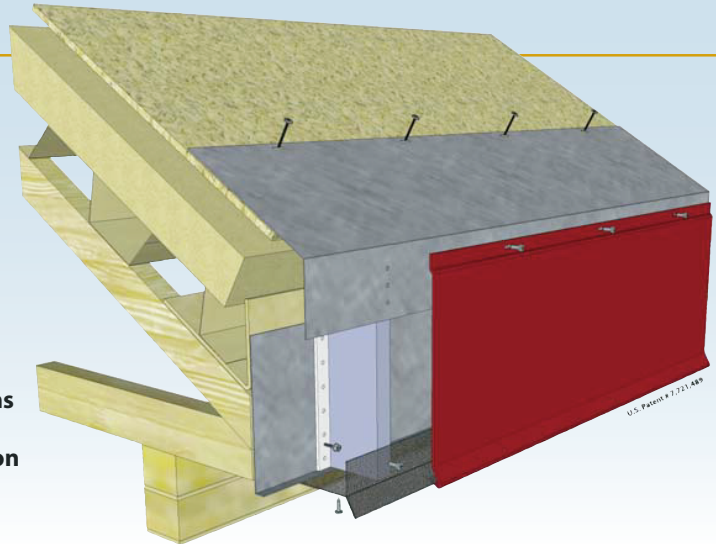
# Individually Engineered for Your Project

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 consistent intake and exhaust airflow underneath the roof covering of commercial buildings.

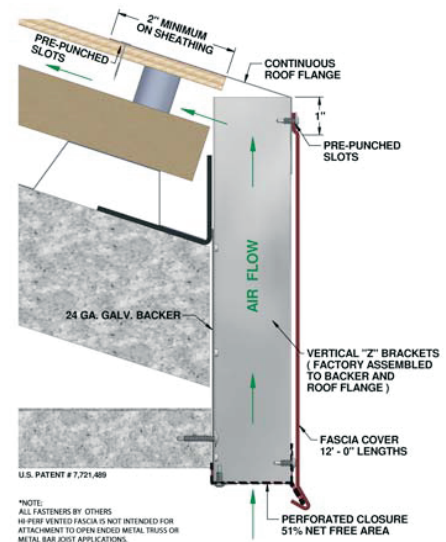
## Intake Ventilation

### Build in Performance

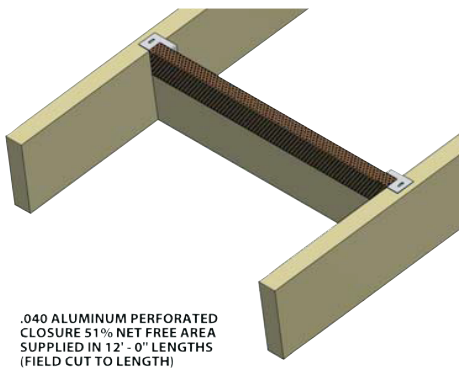
- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Standard NFAs from 12 in.<sup>2</sup>/lf to 42 in.<sup>2</sup>/lf with Custom Designs Available for Larger NFAs
- All Metal, Commercial-Grade Design with Multiple Cover Options
- Works with All Vented Nailbase & Attic Applications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

.040 ALUMINUM PERFORATED CLOSURE 51% NET FREE AREA SUPPLIED IN 12' - 0" LENGTHS (FIELD CUT TO LENGTH)

CONSULT METAL-ERA

24 GA GALVANIZED MOUNTING STRAP

\* NOTE: ALL FASTENERS BY OTHERS

Hi-Perf  
**Wind & Ventilation**  
Warranty

120 mph • 20 years

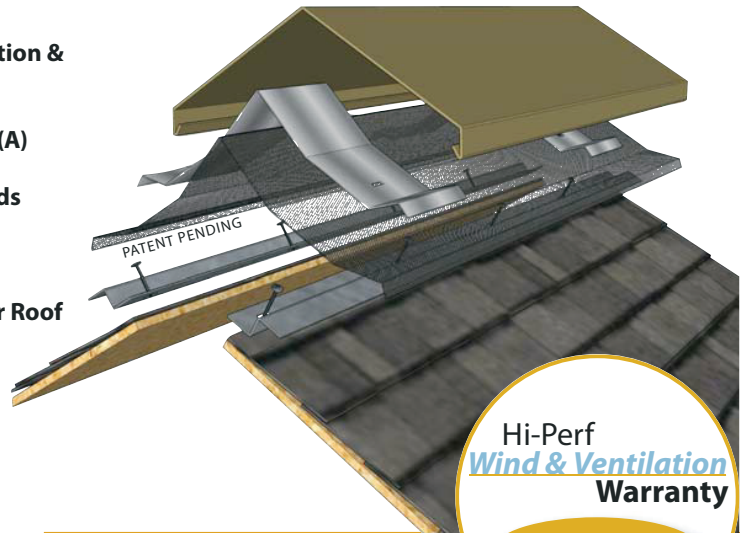


# Exhaust Ventilation

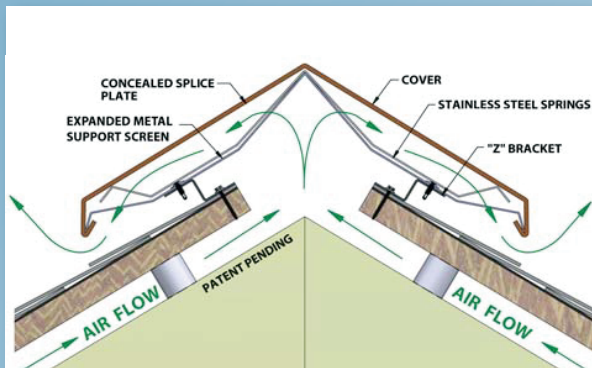
## Hi-Perf Ridge Vents

### Build in Performance

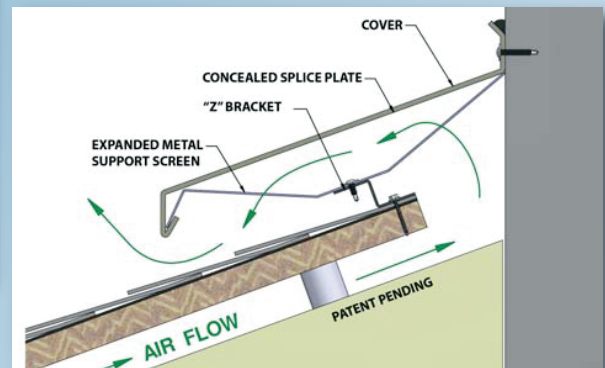
- 20 Year, 120 mph Warranty - Only Ventilation & Wind Warranty in the Industry
- Tested for Wind Driven Rain per TAS 100 (A)
- Engineered to Project's Specific NFA Needs
- Snap-On Cover
- Works with Shingles, Metal Roofs & Other Roof Coverings
- Easy Installation with 12' Lengths



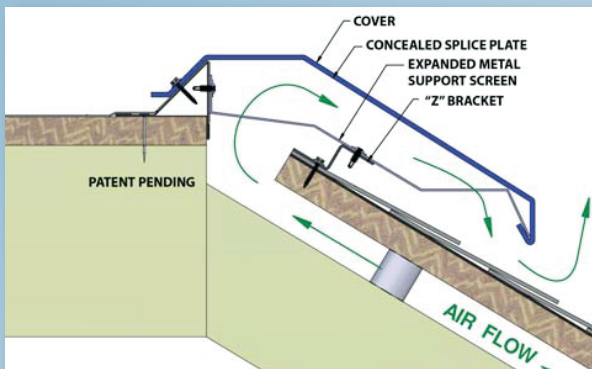
Hi-Perf  
**Wind & Ventilation  
Warranty**  
120 mph • 20 years



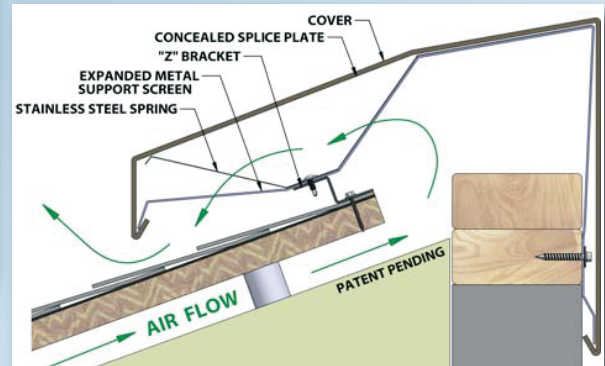
Slope to Slope Version



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

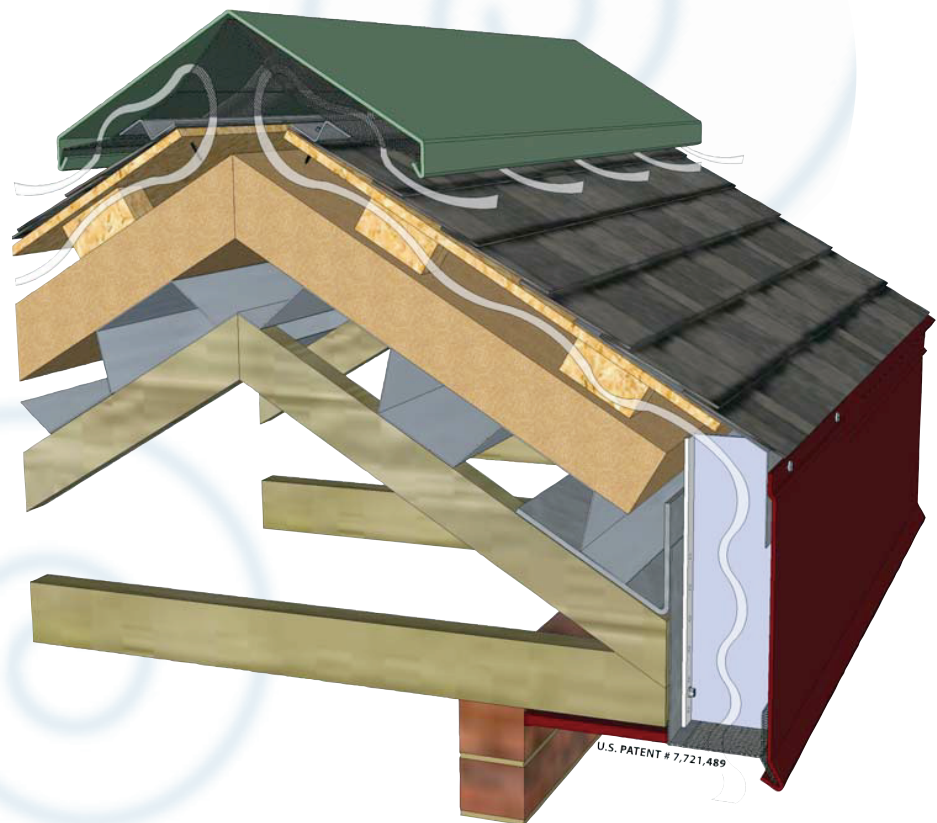
Download our **LEED white paper at [www.metalera.com](http://www.metalera.com)** to learn more about how Hi-Perf Vented Fascia and Ridge Vent can help you earn LEED credits.

For more information, resources and ventilation calculators:

**[www.metalera.com](http://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><b>Airflow</b> 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><b>Wood Blocking</b> 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><b>Trades</b> Reduces the number of trades involved, thus consolidating responsibility</p>	<p>Many trades involved causing decentralized responsibility</p>
<p><b>Design</b> A single factory manufactured &amp; engineered product serves the needs of multiple products; simple designs for easy installation &amp; consistent performance</p>	<p>Design varies in quality &amp; performance; multiple components &amp; products required</p>
<p><b>Warranty &amp; Testing</b> Carries a 20 Year, 120 mph Wind &amp; 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](mailto:airflow@metalera.com)**

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**Cover Photo**

Architect: Peter Monterose,  
McDonald & Monterose  
Architects



**Mixed Sources**

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