



## HAPPY HOLIDAYS & HAPPY 25<sup>TH</sup> YEAR

Welcome to another issue of e-Vent Newsletter. Not only are we joyful and thankful for the Holiday Season, but we are also thrilled to bring the Attic Ventilation: Ask the Expert™ Seminar to you for a **25th straight year!** We have 36 in-person and two virtual events planned. We hope you can join us. See inside for more details. Please make use of the many resources on airvent.com including Air Vent University where we take a deeper dive into topics you've asked us for assistance. See inside to learn more. We are committed to sharing industry news, tips you can use in the field, advice for challenging attic ventilation projects, and noteworthy Air Vent happenings. We'll continue to publish twice a year, midway and year-end. We encourage you to please email your comments and ideas to [pscelsi@gibraltar1.com](mailto:pscelsi@gibraltar1.com). Happy Holidays from Air Vent's family to yours. Stay well out there. – Paul Scelsi, Attic Ventilation: Ask the Expert Seminar Leader

## DID YOU KNOW?

Air Vent is Part of Gibraltar Building Accessories Division

# GIBRALTAR

BUILDING ACCESSORIES DIVISION  
AIRVENT | APPLETON | AWARD | DOT  
NORWESCO | GAP | SEMCO

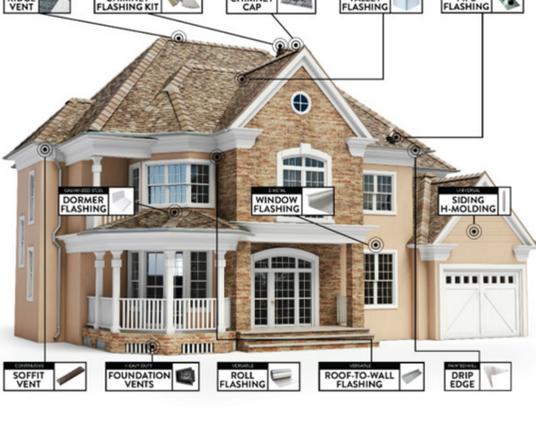
Air Vent is part of the Gibraltar Building Accessories Division owned by Gibraltar, headquartered in Buffalo, NY. Our sister companies in the Division are Appleton Supply Co., Award Metals, DOT Metal Products, NorWesco, Quality Aluminum Products, and Southeastern Metals. Our Division makes a wide variety of products beyond attic ventilation including metal roofing, flashing, soffit systems, gutters and gutter protection, steel framing and cornerbead, and safety equipment. We are part of the "Residential" group of businesses owned by Gibraltar. The other groups are Agtech, Renewable Energy, and Infrastructure. For more information, visit [Gibraltar](http://Gibraltar.com).

### GIBRALTAR BUILDING ACCESSORIES DIVISION

"Provider Of Quality Building Accessories, Built Upon Regional Expertise"

### PRODUCT CATEGORIES

- FLASHING
- METAL ROOFING
- REGIONAL VENTILATION
- SOFFIT SYSTEM
- GUTTERS & GUTTER PROTECTION
- FALL SAFETY
- STEEL FRAMING & CORNERBEAD



## PRODUCT FEATURE



### Undereave Vents Provide Critical Intake Airflow

Proper attic ventilation is a 2-piece puzzle: INTAKE airflow and EXHAUST airflow. Too often, the intake is overlooked. Rectangular undereave vents are an excellent option for attic intake ventilation on homes that have a soffit/overhang. We make ours in three sizes.

- 16" x 4" available in aluminum in mill, white, and brown providing 28 square inches of Net Free Area each
- 16" x 6" available in aluminum in mill, white, and brown providing 42 square inches of Net Free Area each
- 16" x 8" available in galvanized steel and aluminum in mill, white, and brown providing 56 square inches of Net Free Area each

#### Installation Tips:

- The overall amount of intake Net Free Area installed should match or exceed the overall amount of exhaust Net Free Area installed
- Try to install the undereave vents evenly spaced apart around the house perimeter as best possible
- Installing an undereave vent within every rafter bay would be ideal, but is not always possible
- Inside the attic make sure the air can flow unobstructed to the exhaust vents – that may mean installing attic insulation baffles to keep the insulation from blocking the airflow



For more information, visit our website: [More info about undereave vents](http://More info about undereave vents).

## TOOLBOX

### We Filmed Our In-Person Seminar for You to Watch Any Time



As part of our ongoing commitment to collect and share best practices, solutions, and tips in residential attic ventilation, we launched Air Vent University a few years back on our website [airvent.com](http://airvent.com). Every month there's a new Lesson Plan on a topic to help you in the field (and a chance to win FREE SWAG!). Two of those Lesson Plans are our popular Ask the Expert Seminars filmed, edited from 2 hours to 30 minutes, and indexed for your easy reference.

We continue to offer both in-person and virtual seminars across North America. These two filmed seminars allow us to reach more members of the industry with greater schedule flexibility because **AVU Campus is open 24/7**.

- Here's a screenshot of the Table of Contents from our most recent seminar video. Watch it now: [Filmed 2022 Air Vent Seminar](http://Filmed 2022 Air Vent Seminar)

### TABLE OF CONTENTS

- (1:03) 1. Why Ventilate the Attic?
  - (6:30) 2. To Work Properly, Attic Ventilation Must be Balanced, Intake and Exhaust
  - (8:09) 3. Match the Vent Category to the Roof's Design for Best Performance
  - (8:50) 4. Understanding the Importance of a Vent's NFA or CFM
  - (10:32) 5. Pros and Cons of the Five Exhaust Vent Categories
  - (20:59) 6. Net Free Area, Thermal Effect, and the Wind
  - (23:40) 7. The External Wind Baffle Makes a World of Difference (The Bernoulli Effect)
  - (25:54) 8. An Overview of Intake Vent Categories
  - (28:42) 9. Traditional Attics and Vaulted Ceilings
  - (31:10) 10. Calculating How Much Attic Ventilation is Needed
- (Fast forward to the time stamp of any topic, or watch the video straight through)*

- Check out our first video installment from our in-person seminar: [Filmed 2020 Air Vent Seminar](http://Filmed 2020 Air Vent Seminar)

## Q & A

**Question:** See the screenshot of the roof.



**Paul, what would your advice be for this homeowner? She has SIX turbines at the top of her roof.**

**Two on the west, two on the south, and two on the east.**

**Answer:** Our first recommendation would be a roof-powered power fan sized for the attic's square footage. Our second recommendation would be ridge vent designed for the diagonal/hips of the roof equipped with an external wind baffle to use the wind to create additional airflow and enhanced weather protection. Our third recommendation would be individual box vents designed with an external wind baffle – making them safe to install on multiple sides of the roof. The external wind baffle on a box vent, like ShadowHawk®, keeps the vent acting as exhaust similar to a ridge vent on multiple sides of a roof.

In general, it's best to avoid positioning individual wind turbines or box vents on multiple sides of the roof because one side of the roof can turn into intake ventilation depending on wind direction (unless the vent has an external wind baffle as explained above). Please note, for each of our recommendations above we are also expecting a balanced amount of intake airflow to support the exhaust airflow.

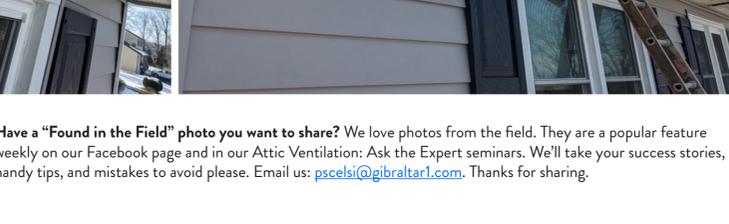
Have a question for Air Vent? Email [pscelsi@gibraltar1.com](mailto:pscelsi@gibraltar1.com). You don't have to wait until the next issue of this newsletter for your answer. We'll answer your question immediately and we may even feature it on our Facebook page shortly after. Thanks for participating.



**Finder:** Drew Cope, Cope Construction & Renovation, Cochranville, PA

**The Issue:** As part of a new roof project, the original contractor added more attic insulation but did not install insulation baffles to make sure the intake vents were clear and free. Compounding matters, the holes in the soffit underneath the vented vinyl soffit were too small to allow sufficient airflow. Ice dams appeared soon after.

**Solution:** Every hole was significantly increased in size. "The customer noticed an immediate difference that afternoon," says Cope. "We air sealed penetrations into the attic, installed insulation baffles, and put the insulation back into place."



Have a "Found in the Field" photo you want to share? We love photos from the field. They are a popular feature weekly on our Facebook page and in our Attic Ventilation: Ask the Expert seminars. We'll take your success stories, handy tips, and mistakes to avoid please. Email us: [pscelsi@gibraltar1.com](mailto:pscelsi@gibraltar1.com). Thanks for sharing.

## JOIN OUR 25TH ANNIVERSARY SEMINAR TOUR



More than ever, separate roofing pros are using their attic ventilation knowledge to separate themselves from their competition. Join us January through mid-April 2023 for our 25th consecutive year of Attic Ventilation: Ask the Expert™ Seminars.

- We'll review common installation mistakes that not only hurt attic airflow performance but also lead to callbacks
- We'll share how your peers in the industry overcome homeowner pushback
- 36 in-person cities plus 2 virtual sessions

All seminars are FREE: [Registration for Air Vent 2023 Seminars](http://Registration for Air Vent 2023 Seminars)

JANUARY 2023	FEBRUARY 2023	MARCH 2023
JAN 10 Tukwila/Seattle, WA	FEB 1 Tulsa, OK	MAR 2 Malvern, PA
JAN 11 Portland, OR	FEB 2 Oklahoma City, OK	MAR 3 Lancaster, PA
JAN 12 Salt Lake City, UT	FEB 3 Houston, TX	MAR 14 Rapid City, SD
JAN 13 Denver, CO	FEB 7 Indianapolis, IN	MAR 15 Bismarck, ND
JAN 18 Grand Rapids, MI	FEB 9 Westerville/Columbus, OH	MAR 16 Bloomington, MN
JAN 19 Saginaw, MI	FEB 10 Independence, OH	MAR 28 Estero/Ft. Myers, FL
JAN 20 Novi, MI	FEB 15 Milwaukee, WI	MAR 29 Orlando, FL
JAN 24 Des Moines, IA	FEB 16 Schaumburg, IL	MAR 30 Huntsville, AL
JAN 25 La Vista/Omaha, NE	FEB 17 Tinley Park, IL	MAR 31 Nashville, TN
JAN 26 Kansas City, MO	FEB 21 Greenville, SC	
JAN 27 St. Louis, MO	FEB 22 Atlanta, GA	APRIL 2023
	FEB 23 Columbia, SC	APR 4 Phoenix/Tempe, AZ
	FEB 24 Raleigh, NC	APR 5 Los Angeles/San Gabriel, CA
	FEB 28 Grapevine/Dallas, TX	APR 11 Virtual Seminar 9 am to 11 am (Central)
		APR 13 Virtual Seminar 10 am to Noon (Central)

"I picked up helpful tips from other contractors." – 2022 Air Vent Seminar attendee Brandon Rodewald, Green Homes Roofing & Solar, Troy, MI

## WHAT'S YOUR STORY?

### FREE giveaway in exchange for your story

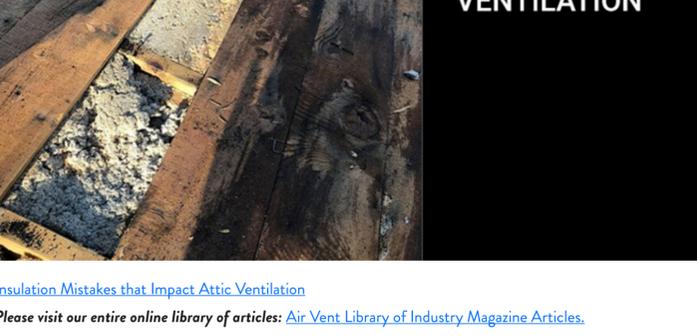
We're always looking for success stories to share with the roofing industry. If we use your story, we have a FREE giveaway as a "thank you." You'll get free publicity, a free giveaway and the good feeling knowing you are helping us further educate the roofing industry and homeowners. Here are examples of what we're looking for:

- If you recently solved a particularly challenging attic ventilation project, tell us how.
- If you worked on a roof that had a pre-existing attic ventilation mistake, tell us your fix.
- If you successfully helped an objecting homeowner understand why proper attic ventilation is needed, tell us the details.

It doesn't need to be a long story. A few photos and a handful of sentences summarizing things will be fine. Please email us: [pscelsi@gibraltar1.com](mailto:pscelsi@gibraltar1.com). Thank you!

## IN THE NEWS...

Roofing professionals across North America help Air Vent write helpful articles published inside industry magazines. Here's a recent one.



[Insulation Mistakes that Impact Attic Ventilation](http://Insulation Mistakes that Impact Attic Ventilation)

Please visit our entire online library of articles: [Air Vent Library of Industry Magazine Articles](http://Air Vent Library of Industry Magazine Articles).

## CONTACT US

There are plenty of ways to keep in touch. We hope you will.

- 1-800-AIR-VENT (247-8368); [ventilation@gibraltar1.com](mailto:ventilation@gibraltar1.com) (Customer Service/Tech Support.)
- [www.airvent.com](http://www.airvent.com) (There's a wealth of valuable resources awaiting you.)
- [www.facebook.com/AirVentInc](https://www.facebook.com/AirVentInc) (You could win a FREE giveaway!)
- [www.twitter.com/AirVentInc](https://www.twitter.com/AirVentInc) (Follow us.)
- [www.linkedin.com/company/airventinc](https://www.linkedin.com/company/airventinc) (Follow us.)
- [Airing It Out With Air Vent Podcast](http://Airing It Out With Air Vent Podcast) (New episode every month. Want to be a guest?)
- Paul Scelsi, Attic Ventilation: Ask the Expert seminar leader: [pscelsi@gibraltar1.com](mailto:pscelsi@gibraltar1.com) (Please tell us what other information and resources you need.)