

# Easy Installation

One person can easily install the handy four-foot COR-A-VENT® sections. All you need is a hammer, circular saw, chalk line, utility knife, tape measure and a caulking gun. Here's an installation overview for a standard pitch gable roof application:



**1.** Measure a 3" slot, 1 1/2" each side of ridge centerline. This allows for a 2x ridge board or smaller. Snap chalk lines the entire length of the ridge. Cut slot with a circular saw and clean out debris. **Set saw depth so as not to cut roof rafters.** Stop the slot 12" short of any ridge end, intersecting ridge or obstruction (such as a chimney).



**2.** Nail one shingle cap at each end of the ridge, as with conventional application. Use End Plug in the exposed end on first and last sections of V-600, caulk in place. Center first piece on ridge and nail, keeping end of vent 1/2" from end of roof. Set 4 nails 1/2" from ends and 2" up from edge on each corner of vent, add 2 nails in center of vent 2" up from edge. Repeat this step at the other end of the ridge. For V-300, use the Folded End Cap technique (see Cor-A-Vent website).

If heavy weight shingles, shakes or slate are used, apply a bead of caulk to the roof deck before installing vent. There must not be any gaps under the vent or water may leak inside.



**3.** Continue applying COR-A-VENT, **working from ends to middle.** This technique helps remove any dips or sag at the ridge. Align center with previous piece, making sure vent matches roof pitch before nailing locator points. Continue nailing until entire ridge is covered. Use a utility knife to cut last piece to length. Caulk where bottom edge of End Plug rests on roof.



**4.** Center shingle cap on vent and nail. Nail line for cap shingles is to be 2" - 2 1/2" up from edge. Continue nailing until all vent is covered with ridge caps. Be careful not to overdrive nail. Nail head should be flush with top of shingle, without indenting it. Pre-forming caps in cold weather helps avoid cracking.

**Important notes:** COR-A-VENT ridge vents should *always* be installed with soffit/eave/intake vents of equal or greater area. *All* other vent openings (except soffits) should be *closed off*. The air passage way or "Ventilation Chute" between the inlet (soffit/eave/intake) and the outlet (ridge) vent must **not** be blocked or restricted.

Call our technical department for any special application questions.



**COR-A-VENT, INC.**  
P.O. Box 428 • Mishawaka, IN 46546-0428  
Phone: (800) 837-8368 Fax: (800) 645-6162  
info@cor-a-vent.com • www.cor-a-vent.com

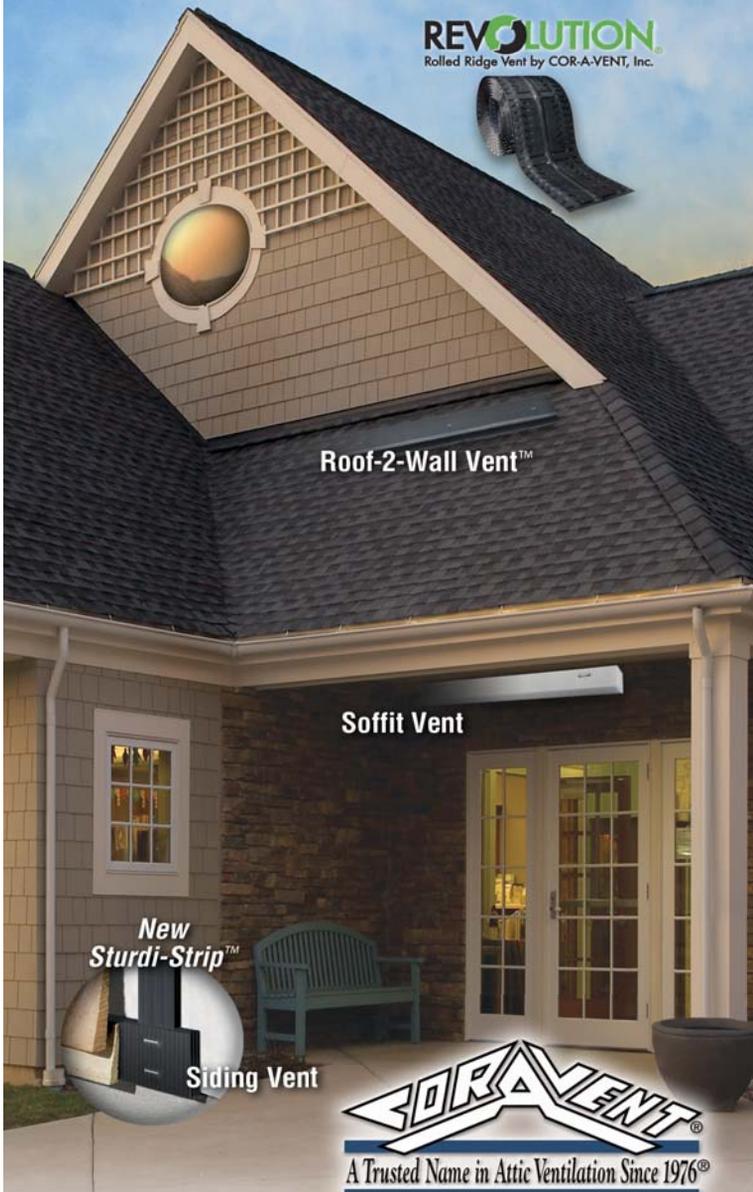
COR-A-VENT® products are covered under the following patents: 5,054,254; 5,339,582; 5,439,417; 5,542,882; 5,603,657; 5,704,834; 5,921,863; 6,039,646; 6,213,868; 6,558,251B2; 6,589,113; D465,639 — additional patents pending.

Rev. 03/2014

COR-A-VENT products meet or exceed all nationally recognized building codes for ventilation.

# COR-A-VENT® Products & Applications

**REVOLUTION**  
Rolled Ridge Vent by COR-A-VENT, Inc.



Roof-2-Wall Vent™

Soffit Vent

New  
Sturdi-Strip™

Siding Vent



A Trusted Name in Attic Ventilation Since 1976®

# COR-A-VENT® Ridge, Soffit & Siding Ventilation lets your home breathe – From the Ground Up.

“Mold growth in your home requires MOISTURE, WARMTH and FOOD. Depriving mold of any of these three items will stop it from growing. If your home has an attic, make sure it is properly insulated and ventilated.”

– National Association of Home Builders.

For more than 30 years, COR-A-VENT® has manufactured the products necessary to provide your home with the breath of fresh air needed to protect it inside and out, as recommended in the NAHB statement. Since V-400, the original shingle-over ridge vent, was officially introduced in 1976, COR-A-VENT has been at the forefront of the attic ventilation market, and that tradition continues today.

The Revolution Rolled Ridge Vent is a 20-foot long "Green" roll vent made from pre-consumer recycled polypropylene plastic. COR-A-VENT also offers a wide array of products, from ridge vents with maximum airflow or our optional enhanced snow screen to keep weather out, to continuous soffit and siding vents that will help protect your home, both inside and out. Ventilation is all we do at COR-A-VENT, and we've been doing it longer and better than anyone in the business. Read on and see for yourself.

## Revolution



### REV-11 & REV-9

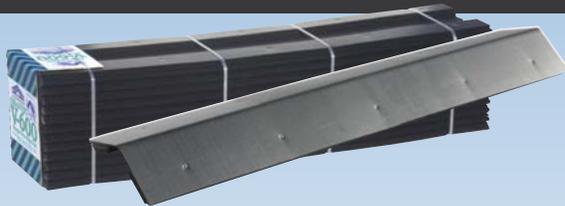
Revolution (REV-11 and REV-9) are the only truly “Green” ridge vents available. The 11-inch or 9-inch wide by 20-foot long plastic vent core is made entirely from the same polypropylene plastic used to manufacture all of COR-A-VENT’s other products. We meticulously capture the excess scrap during production, reprocess it and feed it directly into the Revolution, keeping it out of landfills while also reducing the use of petroleum needed for new plastic production.

- 100% pre-consumer recycled polypropylene\*
- Net Free Vent Area (NFVA): 12 square inches per lineal foot
- Power nailable
- Color: Black
- Enhanced Snow Screen protects from rain, snow & insects
- Packaged with two coils of 13/4" galvanized roofing nails and two end plugs

20-foot long by 11-inch or 9-inch wide rolls

\*Certification pending

## V-600®



### V-600 & V-600E–11" & 8 1/2"

The highest airflow in the industry for nearly every pitch – from 3/12 to 16/12.

- Available in 11" and 8 1/2" widths
- 20" NFVA provides superior ventilation
- Radiused peak keeps the ridge well defined
- Regular and Enhanced versions

12 – 4' pieces per carton

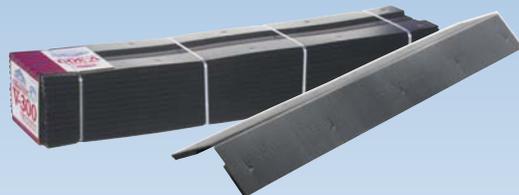
### V-600T & V-600TE

- 1" x 3 1/4" x 4' profile
- 10" NFVA, per lineal foot, per piece
- Covers: 48 l.f. ridge, 96 l.f. roof to wall

24 – 4' pieces per carton



## V-300®



### V-300–11", 8 1/2" & 7"

An ideal hip and ridge vent with a low 5/8" profile that virtually disappears beneath the cap shingle and even lower price – the best value in the industry.

- Available in 11", 8 1/2" and 7" widths
- Power-Nailable
- 13.5" NFVA
- Use on pitches from 3/12 to 16/12
- Regular and Enhanced versions

12 – 4' pieces per carton or bundle



## ROOF-2-WALL VENT™



### Roof-2-Wall Vent™

The perfect solution for the hard-to-vent detail where a roof meets a wall. The Roof-2-Wall package makes it an easy installation – it's all in the box.

- 8.5" NFVA per lineal foot
- 25-foot long x 14-inch wide roll of flashing
- One bag of 2 1/2" nails
- Each carton includes four EC-400 Roof-2-Wall end caps

6 – 4' pieces per carton



## FAV-20



### FAV-20 – 11", 8 1/2" & 7"

A flat, continuous 20' folded ridge vent that won't roll back up and won't hump up under the cap shingle. Low 5/8" profile virtually disappears beneath the cap shingle.

- Available in 11", 8 1/2" and 7" widths
- 13.5" NFVA
- Power-Nailable
- For use on ridge and hips
- Use on pitches from 3/12 to 16/12
- Regular and Enhanced versions (7" not Enhanced)



## S-400 STRIP VENT PS-400, RS-400

### S-400 Strip Vent

Continuous strip soffit vent that's perfect for hard-to-vent eave details – from zero overhang to open rafter and everything in between.

- Narrow 1" profile easily concealed
- 10" NFVA per lineal foot
- Available in white, black or tan

24 – 4' pieces per carton



### PS-400

- 1" x 3/4" x 4' profile ideal for 1x soffit panels
- 10" NFVA per lineal foot
- Available in white or black

48 – 4' pieces per carton



### RS-400

- Power nail to the bird block for quick installation
- 18.75" NFVA per piece
- Available in white or black

48 – 22 1/2" pieces per carton



## SV-3 & SV-5 Siding Vent, Sturdi-Strip™

### SV-3 & SV-5

- Add life to your home's exterior
- Spaces house wrap from siding to keep it from degrading
- Two sizes available: SV-3 for use with 1/2" furring strips or SV-5 with 3/4" furring strips (strips not provided)
- Feature our "Enhanced Insect Screen" to keep bugs out and eliminate the need for extra metal or mesh screening
- Sturdy, power-nailable PP material that won't crush or compress when installed. Perfect for creating a superior and cost-effective rain screen system behind wood or fiber cement siding

SV-3: 24 – 4' pcs. per carton

SV-5: 15 – 4' pcs. per carton



### Sturdi-Strip™

- Won't crack, split or rot like wood furring strips
- Prevents moisture from being trapped behind the siding
- Made from heat resistant polypropylene
- Power nailable
- Easy-to-handle 4-foot lengths

Sturdi-Strip  
Siding Vent



## IN-VENT™



### IN-Vent™

Lets fresh air in when traditional soffit vents are out. IN-Vent is ideal for roofers who need to add intake ventilation to balance the ridge vents, but can't access the soffits or overhangs.

- Provides intake ventilation when soffits or overhangs are inaccessible – perfect for re-roof jobs
- Made of sturdy 8mm PP material – won't crush or compress after installation
- Provides superior airflow – 6.75 sq. inches NFVA per lineal ft.
- 64 lineal ft. per ctn. plus 2 1/2" roofing nails and IN-Vent end cap sections

16 – 4' pieces per carton



## PURLIN-VENT™

### Purlin Vent™

The problem – condensation on the inside of metal roofing and siding. Don't count on vapor barriers – every seam and penetration reduces their ability to stop moisture from accumulating in your roof & wall cavities. The Solution – Specify **Purlin Vent**, from COR-A-VENT®.

- Use under roof and sidewall for a total building envelope
- Fluted 1" cross section, maximum airflow in minimum space
- Works as a thermal break to reduce heat/cold conduction
- Purlin Vent provides a "drain path" for any rain or moisture
- Pair up with COR-A-VENT's metal ridge and eave vent applications for a complete system
- Made of heat stable, crush resistant polypropylene
- Won't compress, screws holes don't elongate and leak
- 3" x 1" x 4', provides 10 sq. inches NFVA per lineal ft.



12 – 4' pieces per carton  
500 – 4' pieces per bulkpack

# COR-A-VENT® Products & Applications

The following details of Cor-A-Vent products are common, traditional installations. For more details, alternate installation ideas, and full-page brochures and end view diagrams, please visit [cor-a-vent.com/downloads-pdf.cfm](http://cor-a-vent.com/downloads-pdf.cfm)

# Shingle Applications

The beauty of a shingle roof is enhanced since COR-A-VENT® does away with unsightly roof vents. The ridge vent is nearly invisible when installed. COR-A-VENT provides a balanced ventilation system ideally suited to a wide variety of shingle designs.



## 7" & 8" Enhanced Ridge Caps

- V-300 – 7" & FAV-20 – 7"

## 9" Hip & Ridge Caps

- V-300 & V-300E – 8 1/2"

- FAV-20 & FAV-20E – 8 1/2" • V-600E – 8 1/2" • REV – 9"

## 12" Shingle Cap

- V-300 & V-300E – 11" • FAV-20 & FAV-20E – 11"

- V-600 & V-600E – 11" • REV – 11"



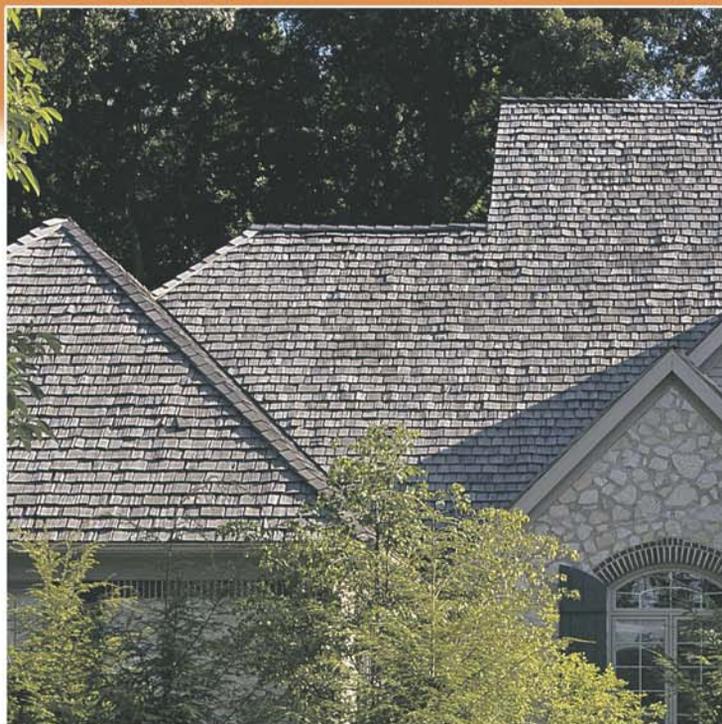
# Cedar Applications

COR-A-VENT ridge vents come in several different widths to fit beneath more narrow caps, like cedar shakes and shingles.

With the variety of performance options available, it's easy to match one of our products to your specific needs.



- V-300 & V-300E – 8 1/2" • FAV-20 & FAV-20E – 8 1/2" • V-600 & V-600E – 8 1/2"



# Tile/Slate Applications

COR-A-VENT® ridge vents are the ideal products for tile and slate roofs because they're guaranteed to last the life of the roof they're installed upon! COR-A-VENT works with all brands and styles of tile, and it's easy to install after the roof is dried in.



**Barrel/Mission & "S" Tile** • V-600T • V-600TE

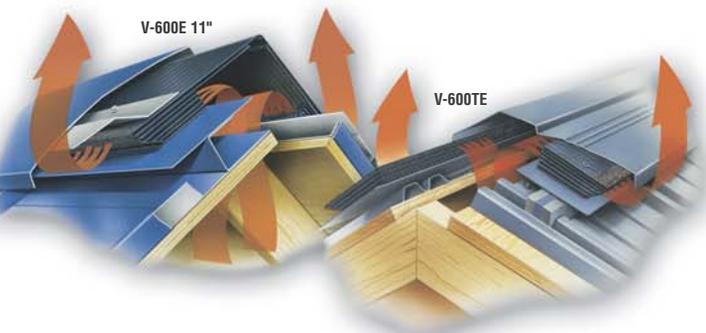
**Slate** • V-300 & V-300E – 11" • V-600 & V-600E – 11"

**Flat Tile** • V-300 & V-300E – 11" • V-300 & V-300E – 8 1/2" • FAV-20 & FAV-20E – 11" • FAV-20 & FAV-20E – 8 1/2" • V-600 & V-600E – 11" • V-600 & V-600E – 8 1/2"



# Metal Applications

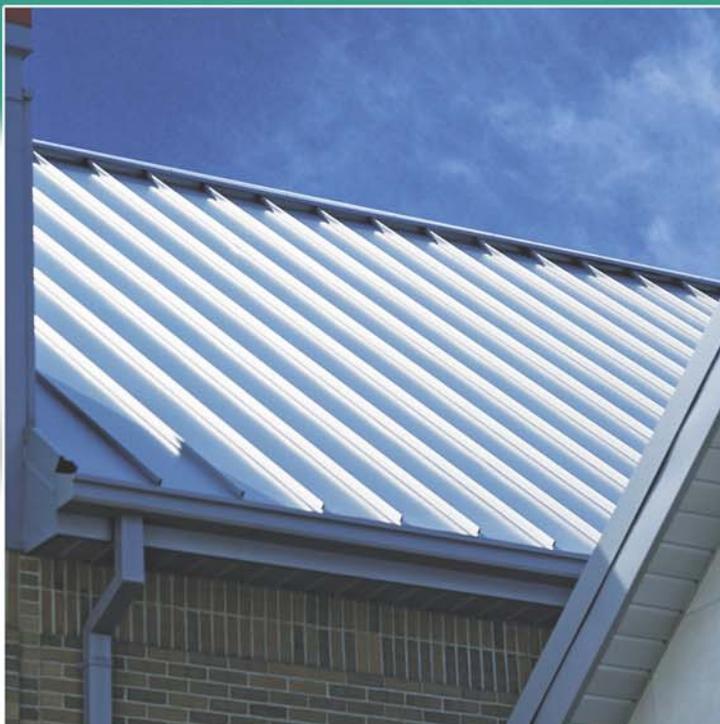
COR-A-VENT is the ideal companion for today's popular metal roof designs. It works well with any architectural design and any brand of metal roofing. Efficient attic cooling action prevents "sweating" – protecting attic and roof from moisture damage.



**Standing Seam** • V-300 & V-300E – 11" • FAV-20 & FAV-20E – 11" • V-600 & V-600E – 11" • V-600T & V-600TE

**Profile** • V-300 & V-300E – 11" • FAV-20 & FAV-20E – 11" • V-600T & V-600TE

**Metal Shake** • V-300 – 7" & FAV-20 – 7" • V-600T & V-600TE



# Soffit Applications

S-400 Strip Vent is a slender, one-inch-wide eave/soffit vent – in fact, it's the narrowest continuous strip vent on the market today! It's nearly invisible, so eaves are easy to ventilate while retaining a high degree of architectural flexibility. COR-A-VENT® soffit vents all provide 10 square inches of NFVA per foot, and when used with COR-A-VENT® ridge vents, they promote an uninterrupted flow of air to keep under-roof spaces cool.

Use PS-400 and RS-400 for non-typical eave installations.

S-400 – Zero overhang, wood soffit, frieze board

PS-400 – Use on 1" x wood soffit panels

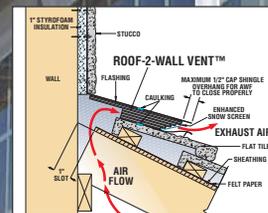
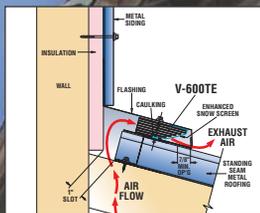
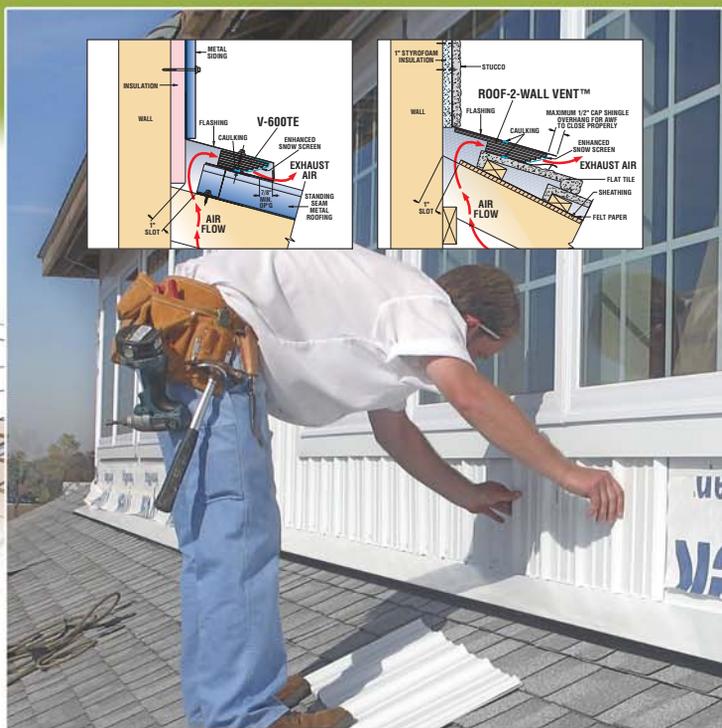
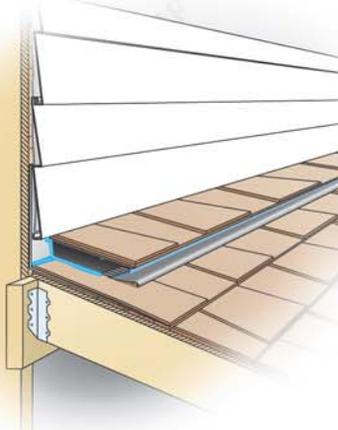
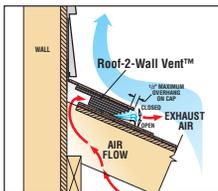
RS-400 – Open rafter details

S-400



# Roof to Wall Applications

COR-A-VENT continues its tradition of being the Leader in Innovative Rooftop Ventilation® with the latest addition to its extensive roof and siding ventilation product lineup, NEW Roof-2-Wall Vent™. Roof-2-Wall Vent does just what it says – it's a ventilation package for the tough-to-vent detail where a pitched roof meets a vertical wall. Roof-2-Wall Vent incorporates the Active Weather Foil technology and enhanced snow screen feature to stop rain and snow at the point of entry.



Roof-2-Wall Vent – Shingle, Cedar Shake & Flat Tile roof to wall • V-600TE – Metal roof to wall

# Siding Applications

COR-A-VENT® Siding Vent System (SVS) is perfect for creating a superior and cost-effective rain screen system behind wood or fiber-cement siding. The Siding Vent System promotes the natural removal of moisture from behind exterior siding and adds life to your home's exterior. A box of SVS contains 18 pcs. of SV-3 Siding Vent, a 7/16" thick by 3" tall by 4-foot long vent strip wrapped with our Enhanced Insect Screen, and 56 pcs. of 1 1/2" wide by 3/8" thick by 4-foot long Sturdi-Strips™ plastic furring strips.

Moisture isn't the only potential problem in your wall system. Surfactants from fiber cement siding and tannins from wood siding can eat away the housewrap underneath. COR-A-VENT Siding Vents and Sturdi-Strips space the siding away from the housewrap to prolong the life of your building materials.



SV-3 and Sturdi-Strip

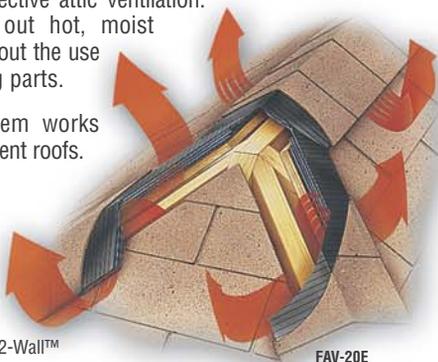
**Siding Ventilation** • SV-3 (3-ply) • SV-5 (5-ply)



# Specialty Applications

Architectural design freedom calls for the flexibility of COR-A-VENT. Whatever the application – COR-A-VENT eliminates the unsightly, traditional roof vents used to ventilate the attics of hip, clerestory, salt box, unequal pitch, modern shed or half roof styles – we have the application for effective attic ventilation. COR-A-VENT draws out hot, moist air all year 'round without the use of fans or any moving parts.

This low-profile system works well on those hard-to-vent roofs.



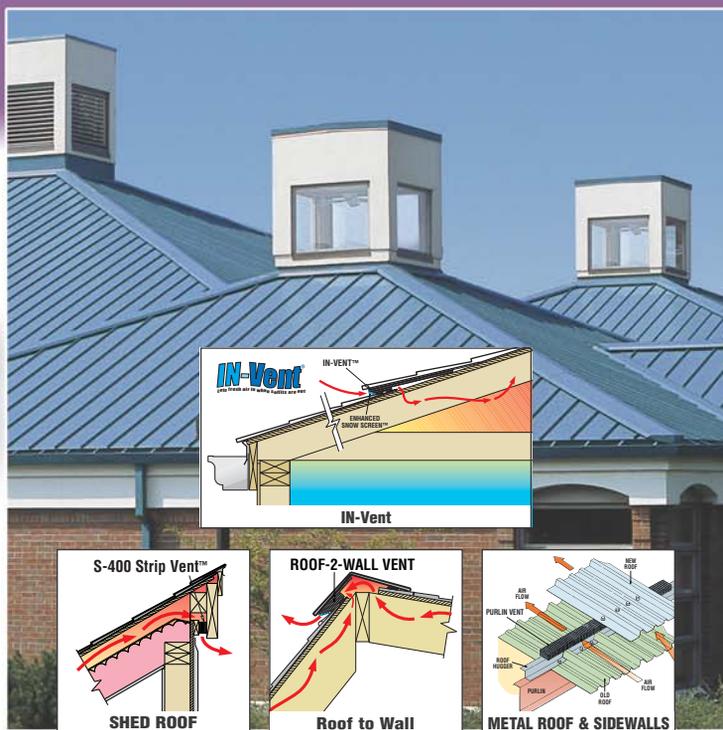
**Hip Roof** • All V-300, V-300E, FAV-20, FAV-20E and V-600E products.

**Shed Roof** • S-400

**Unequal Pitch** • Use Roof-2-Wall™

**Metal Roof & Side Walls** • Purlin Vent – to maintain air passageway between metal roofing/siding & insulation

**Soffit Vent Alternative** • IN-Vent – Let's Fresh Air in when Soffits are Out



# Balanced Ventilation How It Works...

A balanced vent system is one that best utilizes three natural forces: air pressure, the thermal effect and diffusion. Basically, for every square inch of ridge (exhaust) vent you must balance it with at least one square inch or more of soffit (intake) vent.

## COR-A-VENT® ridge & soffit vent products offer:

- **V-600 products** – 20 sq. in. Net Free Vent Area/lineal foot
- **V-300 & Fold-A-Vent® products** – 13.5 sq. in. NFVA/lineal foot
- **S-400 Strip Vent** line offers 10 sq. in. NFVA/lineal foot

With a ridge and soffit system, cooler ventilation air will be drawn into the attic (or roof cavity if a cathedral ceiling) through the soffit/eave vents located within the positive pressure (intake) areas. It will exhaust through the vents in the negative pressure areas, at the ridge. Wind moving over the ridge literally “siphons” the hot/moist air out of attic. If the ridge vent were to be installed alone, then part of the ridge would become an inlet vent to relieve this “draw”.

This could cause weather infiltration. The ridge vent must always be installed in combination with some form of soffit/eave intake vents. Do not use ridge vents with gable vents or other roof mounted vents.

The “Ventilation Chute”, or air passageway between the soffit and the ridge must not be blocked or restricted so as to impede airflow. Once again, the ridge vent in this situation can act as intake and exhaust, causing weather infiltration.

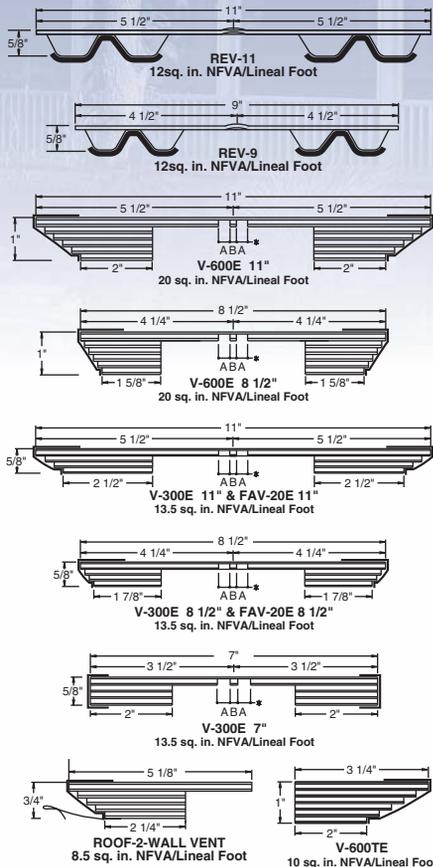
For a more attractive ridgeline, COR-A-VENT recommends installing the ridge vent to the very ends of any given ridge. A ridge that is the same height from end to end makes our vent even less noticeable.

Please refer to the next page for examples of typical continuous soffit vents and vent chute details.

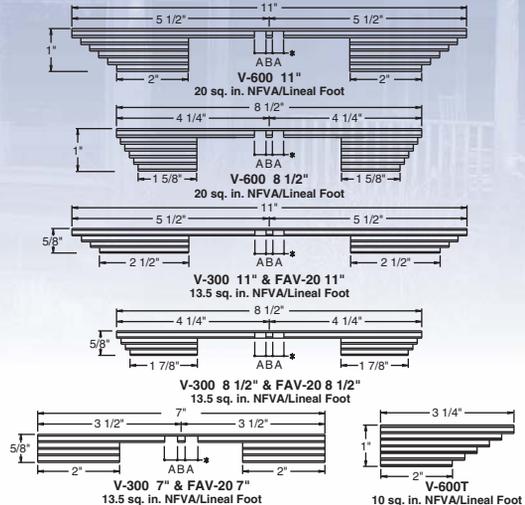
## COR-A-VENT's comprehensive website offers detailed downloadable computer

## drawings, which can be designed into your roof by the architect.

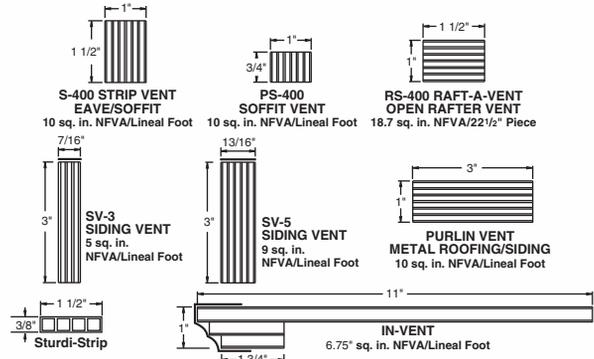
### COR-A-VENT RIDGE VENTS W/ENHANCED SNOW SCREEN END VIEWS TYPICAL



### COR-A-VENT RIDGE VENTS NON-ENHANCED END VIEWS TYPICAL



### COR-A-VENT SPECIALTY APPLICATIONS



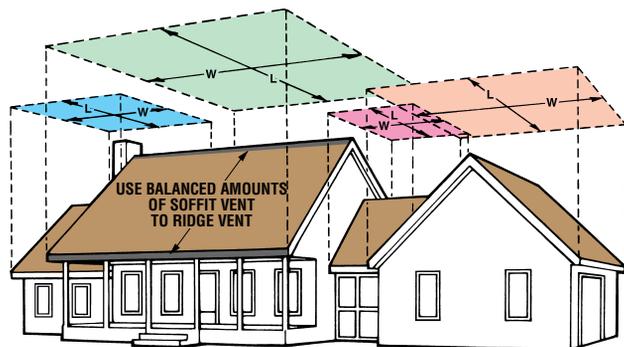
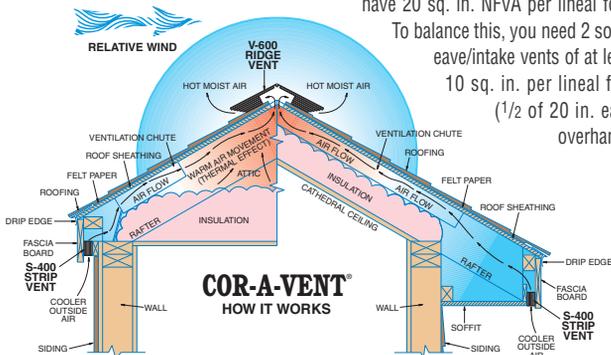
\* A=5/16" \* B=3/16" AWF=Active Weather Foil

# Balanced Ventilation – The right proportions of venting

COR-A-VENT® has promoted and taught **balanced ventilation** from the day we started. It's a concept all vent manufactures readily endorse. Unfortunately, that information doesn't always end up in the hands of the person designing the building or installing the vents. Balanced venting helps insure the performance you expect from ridge venting – uniform, increased airflow through the roof cavity without weather infiltration.

**Balanced venting:** An equal or **greater amount of vent opening** (sq. in. net free vent area/NFVA) in the soffit (intake) than at the ridge. For example, our V-600 products have 20 sq. in. NFVA per lineal foot.

To balance this, you need 2 soffit/eave/intake vents of at least 10 sq. in. per lineal foot (1/2 of 20 in. each overhang).



**Balanced venting:** Continuous soffit vents are recommended, especially for venting cathedral ceilings. Wherever there is ridge vent above, there should be soffit/eave/intake vents on the structure below. Also, COR-A-VENT **strongly recommends** using one of our V-300 products (available in 11, 8 1/2 or 7" widths) on cathedral ceiling and hip roof applications. V-300 delivers 13.5 sq. in. NFVA. The volume of space to be vented in cathedrals is smaller. Therefore a lower profile (5/8") vent is called for to further reduce the chance for infiltration. **When installing a ridge vent system, all other vent openings (except soffits) must be closed off.**

## Figuring Your Ventilation Needs:

**V-600:** Square footage of building footprint X .48 = Lineal Feet **V-600** needed  
20

**V-300:** Square footage of building footprint X .48 = Lineal Feet **V-300** needed  
13.5

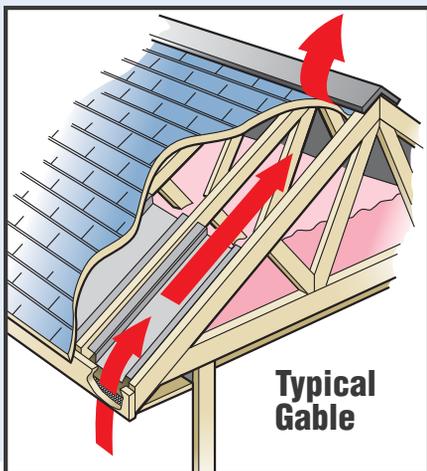
**Example:** 25' x 50' = 1250 Sq.F.  
1250 x .48 = 600  
600 ÷ 20 = 30 L.F. V-600 needed

The above formulas will give the amount of COR-A-VENT ridge vent needed for a 1/150 vent ratio, provided an equal or greater amount of soffit venting is used. For a 1/300 ratio, (building code minimum) use half the amount of ridge vent.

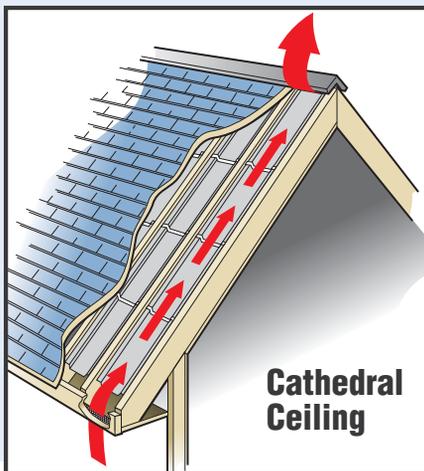
**Note:** Code interpretations may vary. Consult your local building dept.

For the best appearance and performance install COR-A-VENT ridge and soffit vents continuously at the ridge and in the soffits.

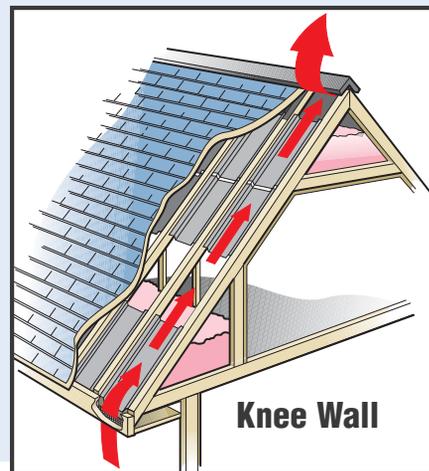
## Typical Vent Chute Applications



Typical Gable



Cathedral Ceiling



Knee Wall

Maintaining an unrestricted air passageway between the soffit and ridge is crucial to the performance of the vent system, and must not be blocked or

restricted. COR-A-VENT recommends a minimum 2" air space between the roof sheathing and vent chute or insulation.