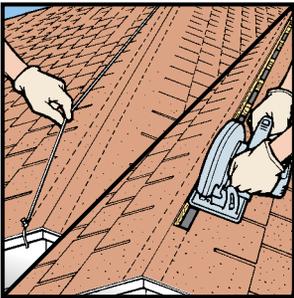


Easy Installation

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®

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; D465,839 — additional patents pending. Rev. 07/2016

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

COR-A-VENT®

INCORPORATED

Products & Applications

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



Roof-2-Wall Vent™

Soffit Vent

Sturdi-Strip™

Siding Vent

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 1 3/4" galvanized roofing nails and two end plugs

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

Patent no. 9,353,962 B2

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
- Radius 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 Name Says it All...Cor-A-Vent's Roof-2-Wall Vent™ is a complete ventilation package for the tough-to-vent detail where a pitched roof meets a vertical wall. Roof-2-Wall Vent has everything in the box you need for installation:

- 6 (six) 4-foot pieces of Roof-To-Wall Vent (24 lineal feet) that provide 6.75 square inches of Net Free Vent Area per lineal foot while stopping rain and snow at the point entry thanks to the Enhanced Snow Screen
- 25-feet by 14 inch wide roll of aluminum flashing
- A tube of polyurethane caulk (black in color)
- A bag of 2½" roofing nails
- 4 (four) R2W End Plugs

6 - 4' pieces per carton

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 ¾ FVA 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 - 22½" pieces per carton



SV-3™ & SV-5™ SIDING VENT



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 ½" furring strips or SV-5 with ¾" furring strips (strips sold separately)
- 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™, STURDI-BATTEN™



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-Strips: 112 - 4' pieces per carton



Sturdi-Batten™

- Three plies of heat-resistant PP plastic create a 7/16" thick batten strip that won't crack or compress when power-nailed, screwed or stapled in place.
- Use with a number of applications, including vertical siding, panel siding and cedar shakes & shingles.
- Vertically-oriented airways allow both moisture drainage and drying airflow between your siding and housewrap, adding life to your home's exterior.

Sturdi-Battens: 48 - 4' pieces per carton

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 foot
- 64 lineal feet per carton plus 2½" roofing nails and IN-Vent end cap sections

16 - 4' pieces per carton

STURDI-STARTER™

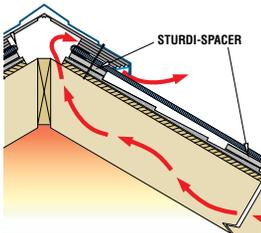
- A prefabricated starter strip for use behind the first course of fiber cement siding, as well as above windows and doors.
- Saves money, time and labor - no more cutting starter strips from good planks of siding
- Durable and impact resistant - Power nailable or install with staples or screws (use siding manufacturer's recommended fastener)
- Easy-to-handle 4-foot strips install fast and clean
- Made with heat resistant 5/16" (8 mm) thick polypropylene plastic - lifetime warranty



30 - 4' pieces per carton

STURDI-SPACER™

- Breathable Spacer - Over 3" N.F.V.A. per foot to provide airflow & moisture drainage between roofs
- Intake Booster - Provides additional intake ventilation to enhance ridge/exhaust vent performance
 - Power-Screwable & Nailable - Heavy-duty 5/16" (8mm) thick PP material won't crush or compress
 - Easy-to-Handle - 4-foot long strips are more convenient to transport and handle on the roof
 - Lifetime Warranty - Guaranteed to last the life of the roof with which it is installed



72 - 4' pieces per carton

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

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"

9" Hip & Ridge Caps • V-300 & V-300E – 8½"

• V-600E – 8½" • REV – 9"

12" Shingle Cap • V-300 & V-300E – 11"

• V-600 & V-600E – 11" • REV – 11"



Cedar Applications

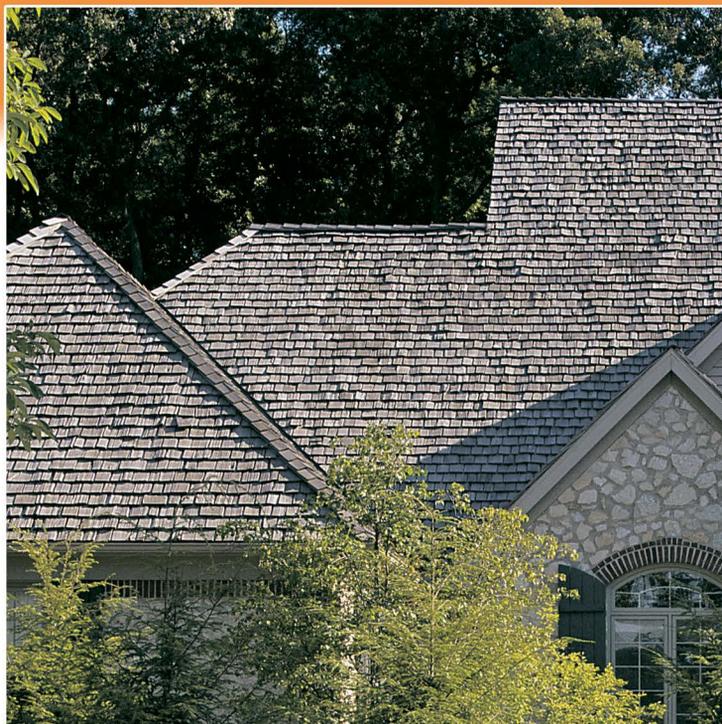
COR-A-VENT ridge vents come in several different widths to fit beneath more narrow caps, like cedar shakes and shingles.

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



V-300E 8½"

• V-300 & V-300E – 8½" • V-600 & V-600E – 8½"



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

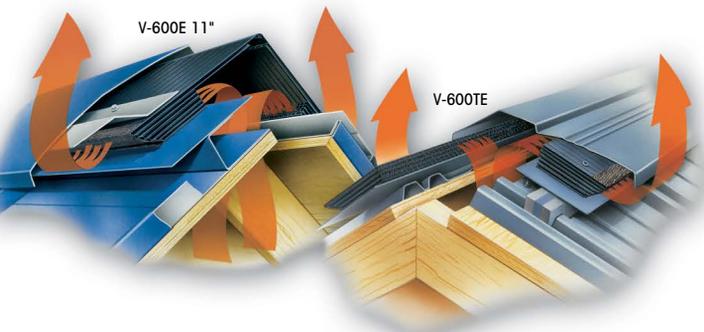
Slate • V-300 & V-300E – 11" • V-600 & V-600E – 11"

Flat Tile • V-300 & V-300E – 11" • V-300 & V-300E – 8 1/2"
• 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"
• V-600 & V-600E – 11" • V-600T & V-600TE

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

Metal Shake • V-300 – 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

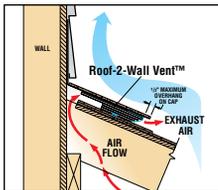
S-400



Roof to Wall Applications

The Name Says it All...COR-A-VENT's Roof-2-Wall Vent™ is a complete ventilation package for the tough-to-vent detail where a pitched roof meets a vertical wall. Roof-2-Wall Vent has everything in the box you need for installation:

- 6 (six) 4-foot pieces of Roof-To-Wall Vent (24 lineal feet) that provide 6.75 square inches of Net Free Vent Area per lineal foot while stopping rain and snow at the point entry thanks to the Enhanced Snow Screen
- 25-feet by 14 inch wide roll of aluminum flashing
- A tube of polyurethane caulk (black in color)
- A bag of 2½" roofing nails
- 4 (four) R2W End Plugs



Roof-2-Wall Vent – Shingle, Cedar



Siding Applications

COR-A-VENT's Rainscreen Siding Vent System is a wall drainage and ventilation system that creates a space between the exterior cladding and your home's weather resistive barrier (WRB). The first part of the system is the heavy-duty **Sturdi-Strip™** furring strips, which hold the siding away from the wall, creating the necessary capillary break ($\frac{3}{8}$ " or 10mm) that will allow moisture to drain out instead of becoming trapped. Our **Siding Vent** products – either the $\frac{7}{16}$ " thick **SV-3™**, or the $\frac{3}{4}$ " thick **SV-5™** – at the top and bottom of the walls will let that moisture drain out and allow fresh air to pass through, keeping the system dry, all while keeping insects out.



SV-3 and Sturdi-Strip

Siding Ventilation

- SV-3 (3-ply)
- SV-5 (5-ply)

Furring / Batten Strips

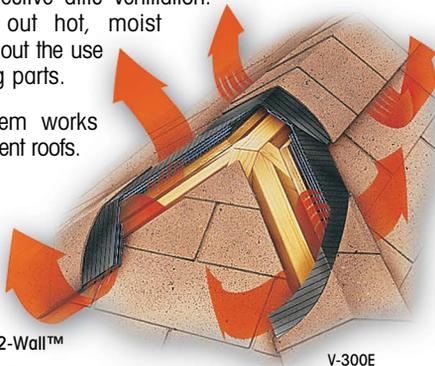
- Sturdi-Strips ($\frac{3}{8}$ " thick)
- Sturdi-Battens ($\frac{7}{16}$ " thick)



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.



V-300E

Hip Roof

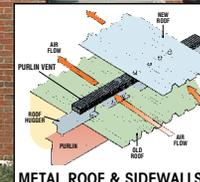
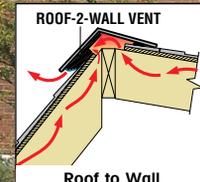
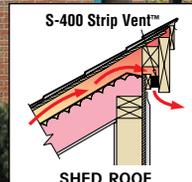
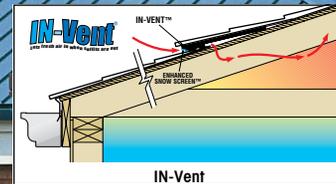
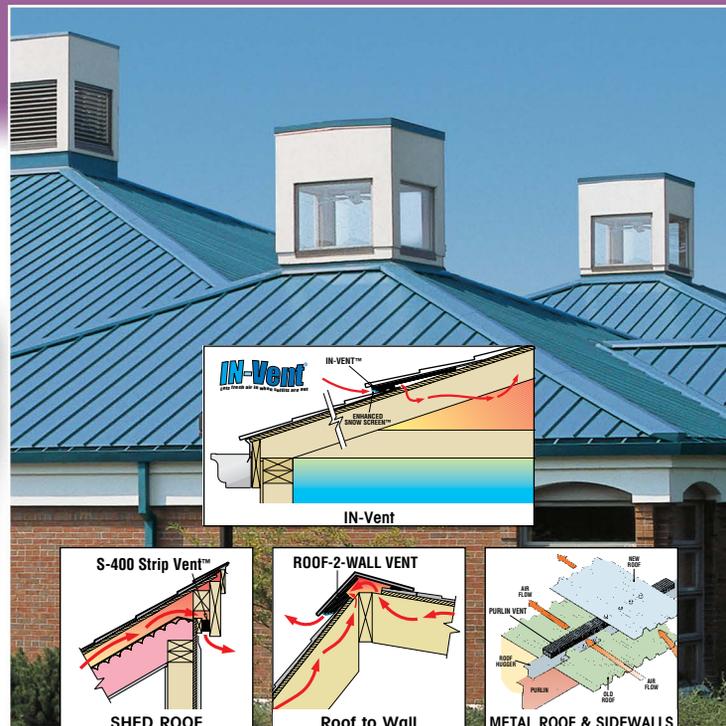
- All V-300, V-300E, and V-600E products.

Shed Roof • S-400

- Use Roof-2-Wall™

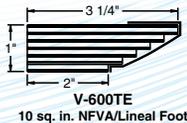
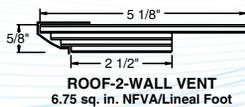
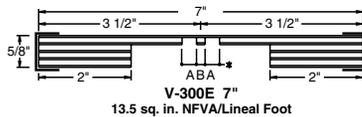
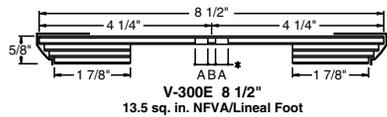
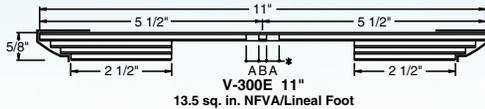
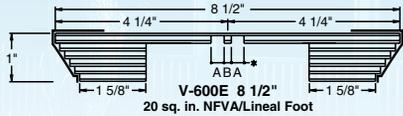
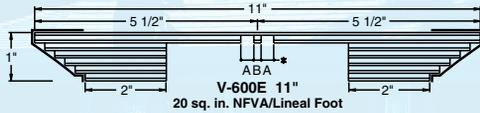
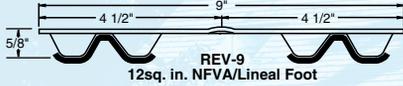
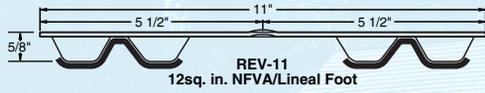
Metal Roof & Side Walls • Purlin Vent – to maintain air passageway between metal roofing/siding & insulation

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

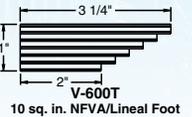
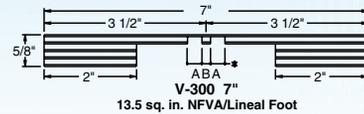
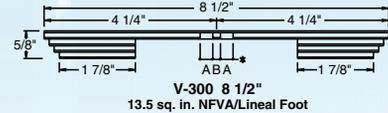
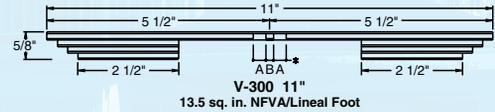
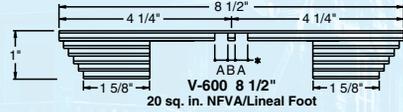
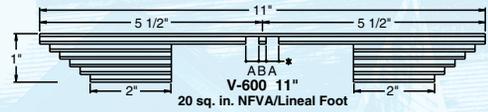


COR-A-VENT's comprehensive website offers detailed downloadable computer drawings, which can be designed into your roof by the architect.

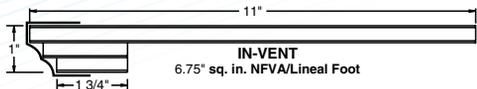
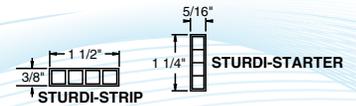
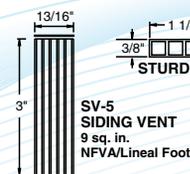
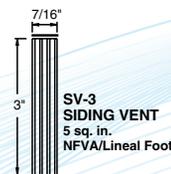
COR-A-VENT RIDGE VENTS W/ENHANCED SNOW SCREEN, END VIEWS TYPICAL



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



COR-A-VENT SPECIALTY APPLICATIONS

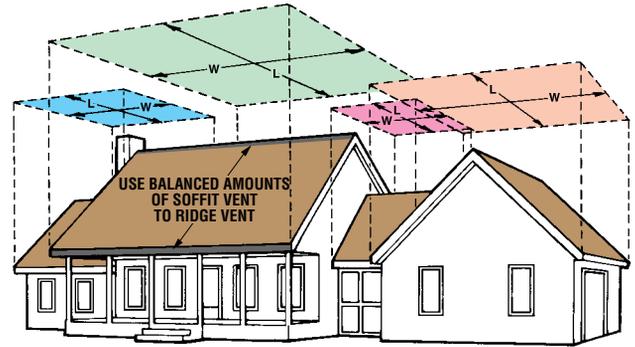
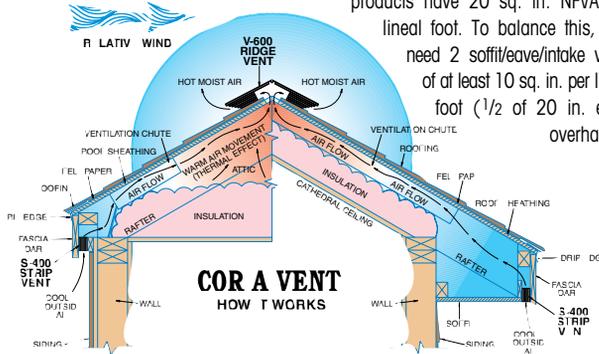


* A=5/16" * B=3/16" AWF=Active Weather Foil

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 manufacturers 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

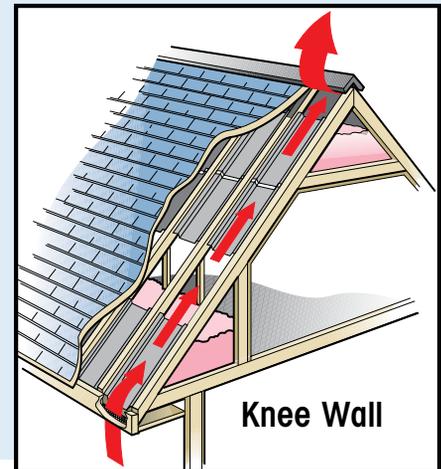
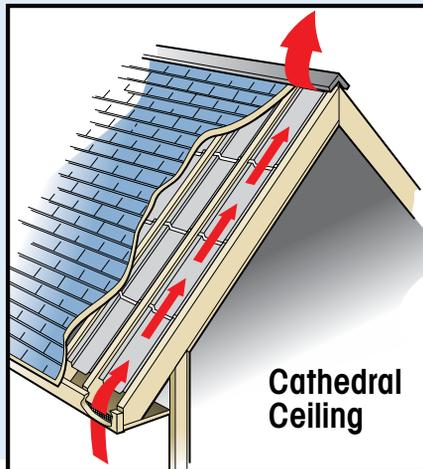
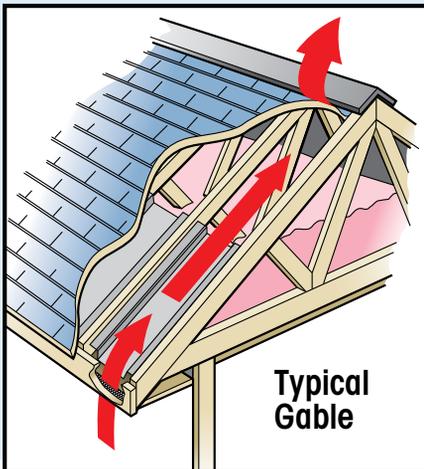
Example: 25' x 50' = 1250 Sq.F.
1250 x .48 = 600
600 ÷ 20 = 30 L.F. V-600 needed

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



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.