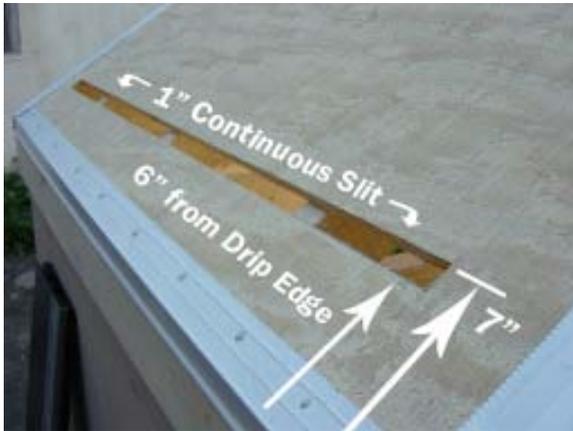


SmartVent 6 STEP INSTALLATION GUIDE BY DCI



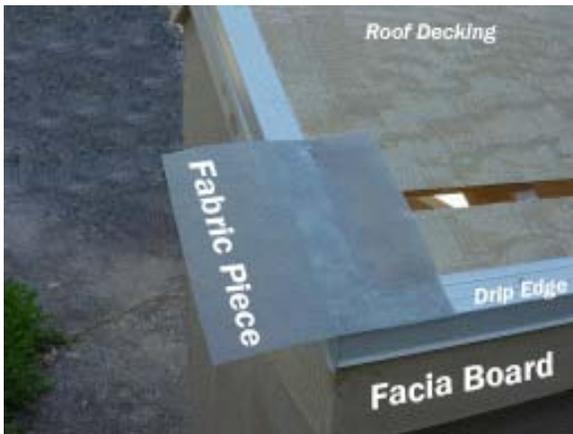
STEP 1

(Ensure metal drip edge was previously installed.)

Begin by cutting a slit 1" wide (or a series of 1 3/4" holes 3" on center) into the roof decking 6" to 7" up from the drip edge. Do not cut slit within 12" of any side end or valley/wall intersection.

BE CAREFUL NOT TO CUT THROUGH THE RAFTERS!

NOTE: Ensure insulation is not blocking the flow of air extending to the roof ridge.



STEPS 2 & 3 PROTECT THE ROOF AND ATTIC FROM INSECTS AND WIND DRIVEN RAIN.

STEP 2

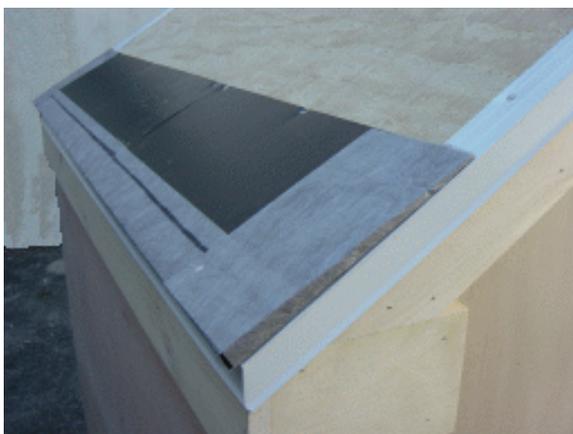
Place the fabric piece half way on the roof side edge and even along the bottom of the drip edge. (Half of the fabric piece is hanging over the side edge of the roof.)

Nail the fabric piece(s) in place.



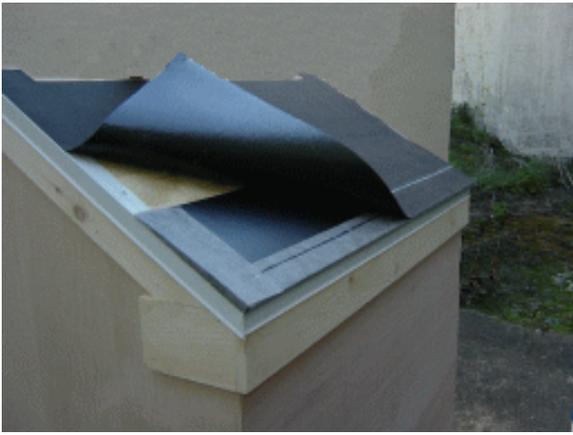
STEP 3

Lay the 3' (three foot) piece of *SmartVent* even with the drip edge and at the roof edges. Nail the *SmartVent* to the roof decking at the top edge with (4) nails spaced evenly from one end to the other. Wrap the End Fabric tightly so it covers the outer edge of the *SmartVent* and nail in place. Nail the bottom of the *SmartVent* with (4) nails spaced evenly along the "nail line" and matching the nails at the top of the *SmartVent*. Each 3' (three foot) section of *SmartVent* requires a total of (8) nails. Nails should be a minimum of 1 1/2", enough to penetrate through the roof decking.



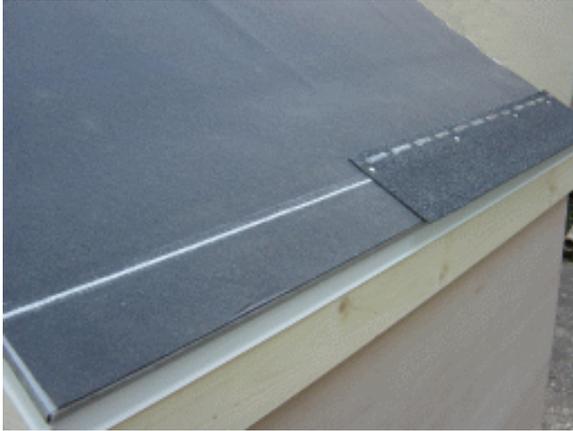
STEP 4

Continue installing *SmartVent* until the last piece. Repeat **STEPS 2 & 3** before laying the final *SmartVent* piece. The gable end *SmartVent* with wrapped fabric allows for additional air flow. Do not make any modifications to this detail without written permission from DCI Products.



STEP 5

Install tar paper (or ice and water shield) “on top” of the *SmartVent*. Standard building code requirements determine when ice shield should be used. Full width ice and water membrane (36”) is required to be installed over the SmartVent in all snow environments. Ensure the upper underlayments are lapped over the lower underlayments. Any questions please call the DCI Technical Department.



STEP 6

Shingle the roof as usual. You now have proper intake ventilation to your attic.

NOTE: Secure shingles to the roof deck at the ¾” lifted edge of the *SmartVent* with nails that penetrate through the roof sheathing. (Generally 1½” roofing nails are used on new roofs.) Shingles must overhang the SmartVent lifted edge by 3/8” minimum to 1” maximum. Refer to shingle manufacturer application manual. Any questions please call DCI Technical Department.

NOTE: *SmartVent* can be installed under virtually any shingle course using proper installation techniques. *SmartVent* should be installed on shingled roofs with a minimum of 4/12 pitch.

There is no maximum slope limitation. Low slope roofs with less than 4/12 pitch can use FaciaVent by DCI for intake ventilation. Use of continuous ridge vents or other approved exhaust vents are required. No moisture from household appliances, equipment or fixtures can be discharged into the attic area. Maximum rafter length is 22 feet.

SmartVent



ICC-ES Evaluation Report ESR-2484

Complies with National Building Codes

Texas Dept of Insurance Approved

Passed Dade County Hurricane Test

Passed New England Ice Damming Test

US Patent #6,447,392



IF YOU HAVE ANY INSTALLATION QUESTIONS OR REQUIRE ADDITIONAL INFORMATION, PLEASE

CONTACT:

TECHNICAL DEPARTMENT

800-622-4455

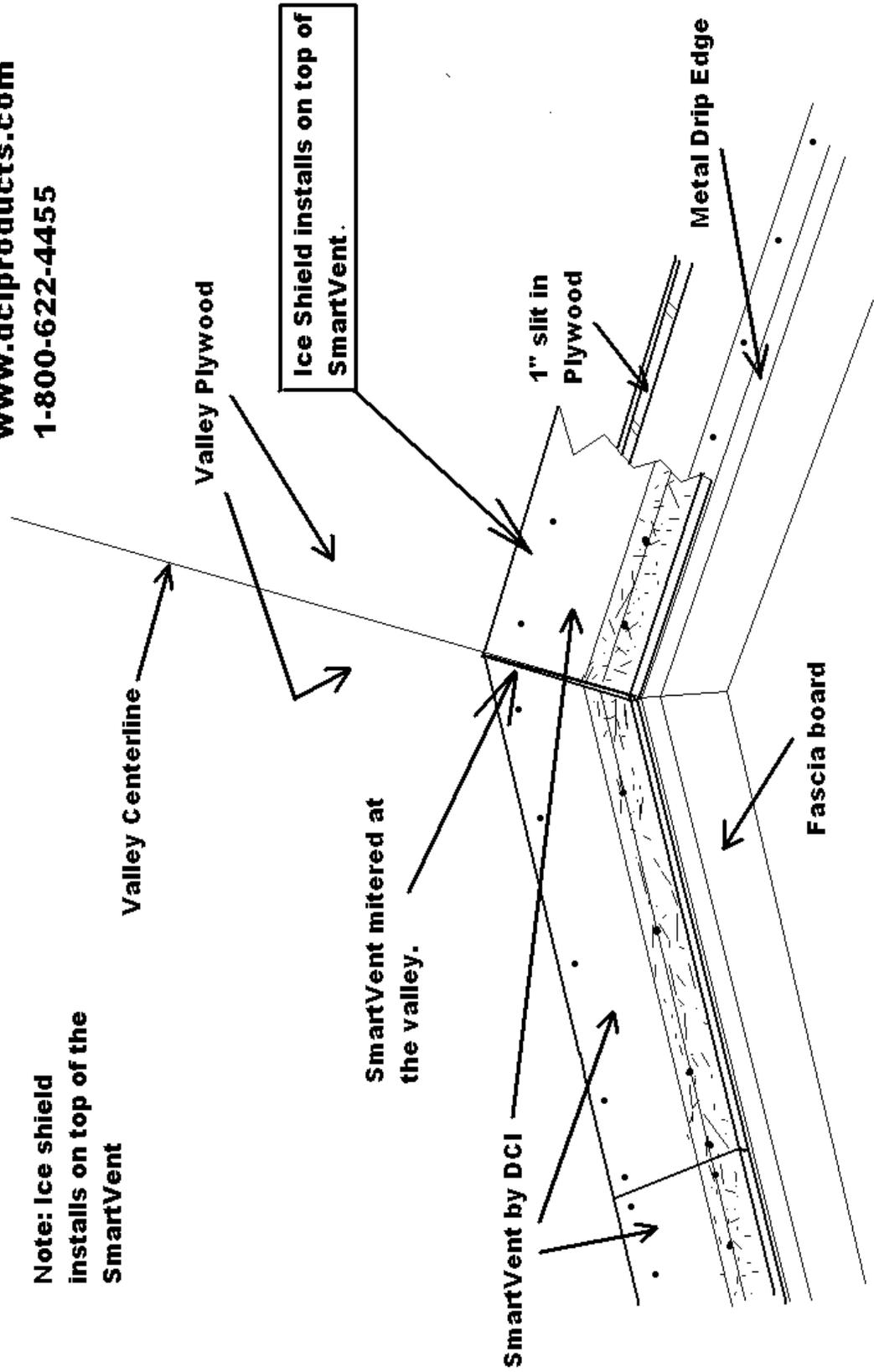
www.dciproducts.com

“SmartVent End Caps are available- Please call DCI for details!”

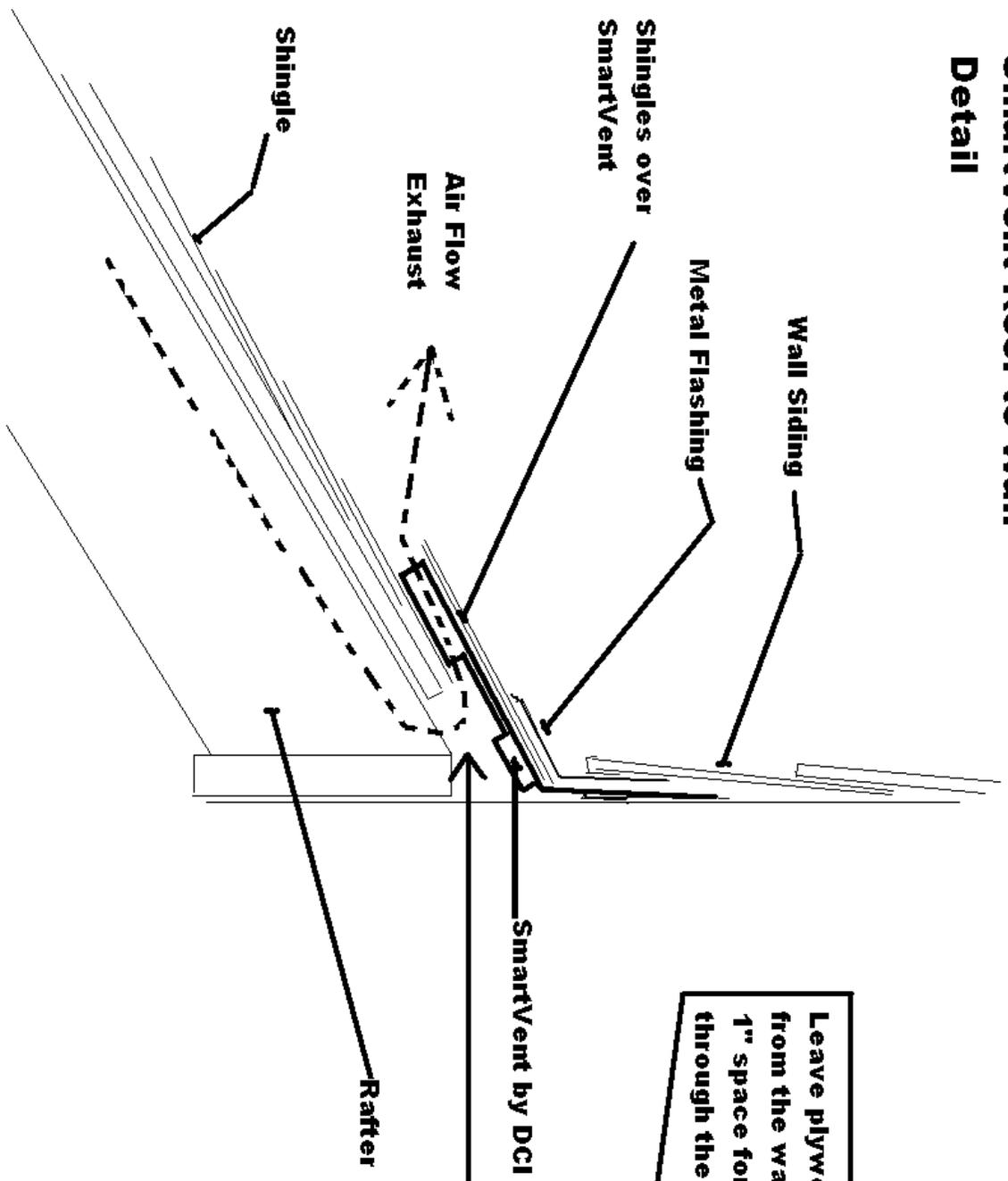
DCI Products- SmartVent mitered at the valley and continued on the adjacent roof. Use a standard utility knife to cut the valley angle. 1" slit is stopped about 12" from valley centerline.

**www.dciproducts.com
1-800-622-4455**

Note: Ice shield installs on top of the SmartVent



SmartVent Roof to Wall Detail



Leave plywood about 2.5" away from the wall. This will allow a 1" space for air to travel outward through the SmartVent channels

SmartVent by DCI

Off Wall Shed Roof Application:

Please reference the drawing to the right when reading these directions.

Step 1- Shingle up to the area that requires the SmartVent.

Step 2- At the location of the shingle course (where the SmartVent is to be located) measure up from the bottom of the shingle (the weather edge) 6" to 7" before installing the actual shingle.

Step 3- Make lines at the 6" and 7" marks and cut through the top of the previously installed shingle and the plywood only.
Do not cut the rafters!
(or 1 3/4" holes @ 3" centers)

Step 4- Remove the plywood decking after the continuous cut and ensure the air flow is open from the shed wall vent to the soffit area.

Step 5- Nail the SmartVent similar to the eave detail and make it even with the bottom edge of the course of shingle next to be installed.

Step 6- Apply a roll of ice shield on top of the SmartVent even at the lower lift edge and directly to the plywood above the vent. If tarpaper was already installed, gently tuck the ice shield under the higher course of tarpaper so it laps over the ice shield by at least three inches or more.

Step 7- Install a starter course of shingle slightly overhanging the SmartVent bottom edge about 3/8" to 1/2". Align shingles per manufacturers' directions.

Step 8- Install the shingles over the starter course as you would normally at the eaves edge and continue up the roof. The installation at the mid-roof is very similar to that of the eaves edge. If you have any questions or comments on installation please call 1-800-622-4455 and ask for a roof ventilation technician to assist you.

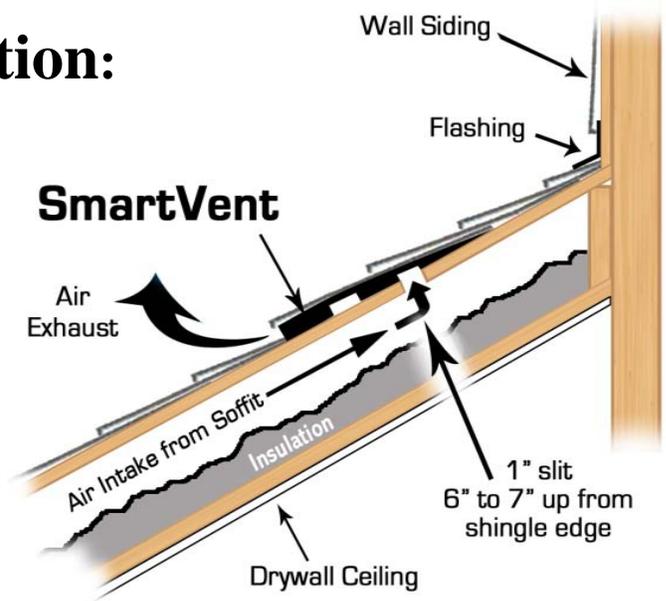
Note: Stop any roof deck 1" cuts about 12" from rake edges, dormer walls or valley areas, or at ends of the SmartVent runs, etc. Use the enclosed fabric at the open ends of SmartVent to seal for weather and insects. Cut SmartVent even at the rake edges, miter SmartVent in the valley and hip areas and return miter SmartVent to end at locations inside the roof edging. The 'return miter' is available to see on our website or call to receive this installation detail.

(Pre-made factory SmartVent End Caps are available directly from our factory for ease of installation)

Call 1-800-622-4455

or

Visit DCIPRODUCTS.COM to learn about the variety of ways SmartVent can be used.



**MID-ROOF/SHED WALL VENT
CROSS SECTION**

Return Miter SmartVent Directions

When installing SmartVent on a transitional roof you should use the following steps to achieve the best results for both curb appeal and ventilation.

Cut 45° angle with razor knife starting from the tapered edge working towards the Fabric exterior

Step 1



Step 2



Step 3



Take another SmartVent and miter like this and then.....

Step 4



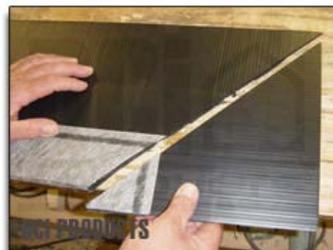
Step 5



Step 6



Step 7



Install the fabric that is in the box and wrap it over the vent. It is now tapered to blend into the roof!

Step 8



Step 9



If you have questions regarding this process call DCI Products at 1-800-622-4455

SmartVent Installation Procedure for a ‘Continuously Ventilated Valley’ Application:

1. First strike a chalk line at 6½” away from the centerline of the valley on each side of the roof deck.
2. Then drill 1 ¾” holes at 3” on center along the chalk lines(or 15” wafer cuts at 6” intervals at 6” to 7” in from the centerline). Do not drill through any rafters. Call DCI Products at 1-800-622-4455 if you have any questions on installation of SmartVent. Install 12” X 12” square piece of ice and water membrane at the bottom edge of the plywood roof deck where it meets the metal drip edge and fascia board before installing the lower SmartVent piece and fabric.
3. Install one SmartVent with the smooth side up and the thick edge towards the valley. Install a second SmartVent on the opposing side matching the thick edges together at the centerline. Install with eight nails, four nails along the upper edge and four nails along the lower edge of each SmartVent piece.
4. Cut and/or miter the SmartVent with a razor knife at the bottom and the top of the valley to conform to the ridge and the fascia. Wrap the enclosed fabric on any exposed edges of SmartVent when installing.
5. Install your choice of valley protective membrane over top of the SmartVent (Do Not Wrap the Bottom Exposed Edge Where the Fabric was Wrapped). Continue your roof shingling per manufacturer’s directions.

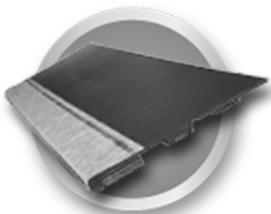


The pictures shown above have SmartVent installed at both the eave and in the valley. If soffits exist with vents underneath, cut the lower SmartVent valley product at the lower metal roof edge corner and install the enclosed fabric around the exposed edges before laying the first piece down.

DCI Products

Product Sheet

PRINTABLE CATALOG
AVAILABLE AT
WWW.DCIPRODUCTS.COM



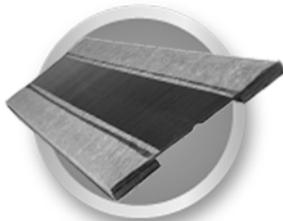
SmartVent - Attic intake or exhaust ventilation with external weather fabric protection that can be used on the following :(for Intake) Eaves, Mid Roof, Valley (for Exhaust) Shed, Off-Peak & Ridge

Specs: 9NFA • Size - 10½" x 36" x ¾" tapered to ⅛" .

Box Quantity: 54' - 18 pieces **Skid:** 9 boxes

"The single most versatile vent for attic airflow"

Item: SV-TAP



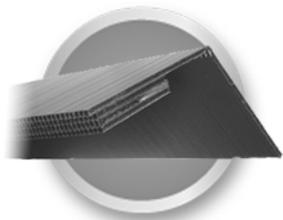
SmartRidge II - Ridge ventilation with external weather fabric protection .

Specs: 18NFA • Size - 10½" x 36" x ¾".

Box Quantity: 36' - 12 pieces **Skid:** 9 boxes

"Use at ridge & hip, hurricane proof."

Item: SR2



SmartRidge I - Single-sided ridge ventilation for hidden street side ridge exhaust. Weather fabric protection available on request .

Specs: 18NFA • Size - 10½" x 36" x ¾".

Box Quantity: 66' - 22 pieces **Skid:** 9 boxes

"Flat side is water tight. 100 % energy efficient ridge vent"

Item: SR1 & SR1WF



ValleyVent - Cross ventilation for use on new or retro-fit construction. Cross ventilation around Valleys, Skylights, Hips, Chimneys and other obstacles.

Specs: 9NFA per piece • Size - 2¾" x 24" x ½" tapering to ⅛".

Box Quantity: 84 pieces **Skid:** 12 boxes

"Eliminates drilling holes through thick wood"

Item: VV



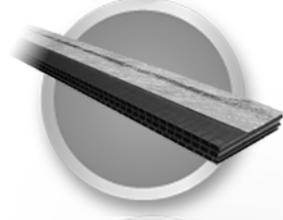
FaciaVent - Attic intake ventilation for use with Metal and Asphalt roofs.

Specs: 9NFA • Size - 10½" x 36" x ¾".

Box Quantity: 66' - 22 pieces **Skid:** 9 boxes

"Ideal for low pitch to flat roofs. "

Item: FV



Cedarvent - Perimeter vent for roofs and walls. Ideal for cedar shakes and shingles. Available with or without factory applied weather fabric

Size - 2¾" x 36" x ¾"

Other thickness sizes: ⅜", ½", ¾", 1", 1⅛", 1⅜", 1½"

Box Quantity: 135' - 45 pieces (Standard Four Ply) **Skid:** 9 boxes

"Allows airflow and water drainage"

Item: CV-4



RevealTape - Shingle Layout Tapes for perfect alignment of shingles. Perfect for multiple crews and working around obstacles. Comes in 5", 5⅝", and 8" reveals

Specs: 200' per roll

"A terrific solution for many areas when laying shingles"

Items: RT5, RT558, RT8



Flo-Free Leaf Guard- Advanced all season gutter protection. Made for 5" , 6" K-style, half round and custom size gutters. Can be used in new or existing gutters

Specs: 3' sections **Box sizes:** 5K - 240', 144', 48', 30' • 6K - 210', 36'

"Allows 100% of gutter water to flow"

Item: FF