

SmartRidge I Directions



(800) 622-4455
(610) 622-4038 FAX

Before you start, decide which side the lift edge will be installed. To help with your decision, the vent maximizes air flow dynamics and principles by placing the lift edge on the leeward side of the ridge (downwind side). The vent works well with the lift edge placed in either direction but it works 'best' with the lift edge towards the downwind side.

Note SmartRidge vents are designed to be installed on 4/12 and up roof pitches. Low slope (below 4/12) roofs require additional work to prepare the roof for proper installation. Contact DCI Products for low slope roof installation techniques and special job specific instructions at 1-800-622-4455.

STEP ① Prepare Roof Decking

The first step installing **SmartRidge I** is to prepare the roof decking by cutting or leaving a minimum 1" slit on both sides of the roof peak away from any ridge beam (do not cut at least 12" in from the gable ends or other obstacles). A total maximum width of 3.5" is required with or without a ridge beam. If wider ridge beams exist please call DCI with specific details first. This is most easily done by cutting the last piece of roof decking 1.75" short of the roof peak on both sides of the ridge leaving a 3.5" gap (see Fig A).

Note: The proper amount of soffit ventilation is required to maximize SmartRidge effectiveness. Ask about our revolutionary soffit venting system called SmartVent.

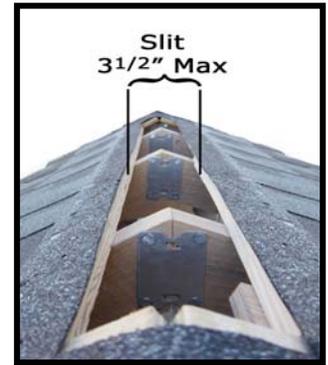


Fig. A

Equivalent Rating to 18 NFVA

Patent # 6447392

STEP ② Attach SmartRidge I End Piece

After roof shingles are installed, begin at one end of the roof. In the **SmartRidge I** box are pieces of fabric (approx. 10 1/2" square) and four end caps that will be used to seal the gable ends. Install end caps as you start or stop a ridge run (or wrap the fabric around the end of a piece) of **SmartRidge I** (your choice but the fabric is included if you need more than four end caps).

Position the **SmartRidge I** three foot piece over the ridge so that it is nearly centered over the ridge opening. Butt the SmartRidge I against the end cap (or if using the fabric pieces to seal the end, wrap the fabric tightly around the end of the **SmartRidge I** piece). Fold **SmartRidge I** over the ridge and secure to the roof decking/shingles using 1 1/2" roofing nails minimum (ensure nail goes through the roof decking). Ensure both long edges of SmartRidge I are tightly nailed to the roof/shingles with no gaps between the vent and the roof. Use additional nails if necessary.

A nailing area on SmartRidge I is approximately 1.5" in from the edges of the product on either side with minimum six nails per side equally spaced starting at the end and stopping at the opposite end 1.5" in from each end. This is where you should nail when attaching SmartRidge I to the roof decking using 1 1/2" - 2" roofing nails. Ensure nails penetrate all the way through the roof decking. (SIX NAILS PER SIDE EVENLY SPACED). Ensure both long edges are nailed tight against the roof with no gaps.

STEP ③ Attach Remaining SmartRidge I Pieces

Attaching the next pieces of **SmartRidge I** can be done by butting the end of the next piece up tightly against the end of the previously installed piece. Continue butting 3' pieces of **SmartRidge I** until you reach the end of the roof. Cut the final piece to fit flush with gable end cap and/or repeat step 2 to seal the end & install gable end fabric. Ensure both long edges are nailed tight against the roof with no gaps.

STEP ④ Install Cap Shingles

Install cap shingles over **SmartRidge I** as you normally would. Ensure that about 1/2" of the shingle cap extends past the lift edge. **Note: For aesthetic purposes, you can extend SmartRidge I all the way to the end of the gable roof without leaving it short of the gable end. SmartRidge I is strong enough to stand up to nail guns during shingle installation. Use extra long roof nails (1 1/2" to 2" nails) for securing the shingle caps. Shingle Cap Nails should penetrate through vent and roof deck.** Other installation techniques are available by calling DCI Products (engineering department).

Questions or Concerns? Call us Toll Free

1-800-622-4455

www.dciproducts.com

SMARTRIDGE I

Smart Technology Siphons 100% Attic Air
with **NO STREET SIDE LIFT**



What is SmartRidge I ?

SmartRidge is a one sided ridge vent product that is revolutionizing ridge ventilation. Using its unique patented design and installation method, SmartRidge I single sided eliminates two of the most prevalent and unsightly problems with ridge vents, *Street Side Lift plus a leak proof weather barrier!*

SmartRidge is an under shingle vent designed for installation along the roof ridge. Because of the one sided design, unsightly ridge lift is eliminated from the street side of the house. This results in perfectly clean roof lines instead of the sloppy shingle lift most ridge vents leave behind. Use it on low slope dormer roofs with steep slope front roofs using a rubber or rolled roofing applied over the vent to seal.



But don't be fooled by its appearance. SmartRidge's low profile lift (only 3/4") on the backside of the house is barely noticeable from ground level. If you think a one-sided ridge vent will only provide half the ventilation capacity of two-sided ridge vents, think again! SmartRidge provides equal or more venting capacity than its competition. And, because there is less material in SmartRidge single lift, it costs less than other ridge vents. If you prefer the standard double lift, SmartRidge has your answer too!

How Does SmartRidge I Work?

Using normal soffit vents or DCI's revolutionary SmartVent system, cooler air enters the attic at the soffit level and is drawn up and out of the SmartRidge I ridge vent. SmartRidge's single side venting creates excellent "negative air pressure" causing hot attic air to be literally pulled out of the house. Easy to cut with a razor knife and easy to handle makes SmartRidge the right choice for you.

The SmartRidge Advantage

As a roofing contractor, you want to use the right products to satisfy your customers. And SmartRidge delivers! Your customers will love the look and you will love the price. SmartRidge one sided design costs less than competitive products which gives you more profit potential.

But we don't stop there! SmartRidge is sold in 3' lengths for easy installation and handling and it can stand up to powered nail guns.

Getting the best ventilation performance from a ridge vent requires equal ventilation at the soffit. To maximize your offering to your customer, combine SmartRidge with DCI's SmartVent soffit venting system. This patented, under shingle vent installed along the soffit edge of the roof provides guaranteed air flow to maximize SmartRidge's effectiveness. Together they will provide your customer year after year of efficient, effective attic cooling and ventilation.

SmartRidge Backed by DCI

SmartRidge is a tough, industrial grade plastic product that is so strong, DCI warrants SmartRidge for the life of your shingles. Plus, we stand behind our products with superior customer service, installation instructions, product information, distribution and marketing to make SmartRidge the preferred choice of builders, roofing contractors and homeowners.

Getting started with SmartRidge is easy. Call us toll-free at:

1-800-622-4455

To learn more about SmartRidge and our complete SmartRidge® Roof Ventilation System contact us at:



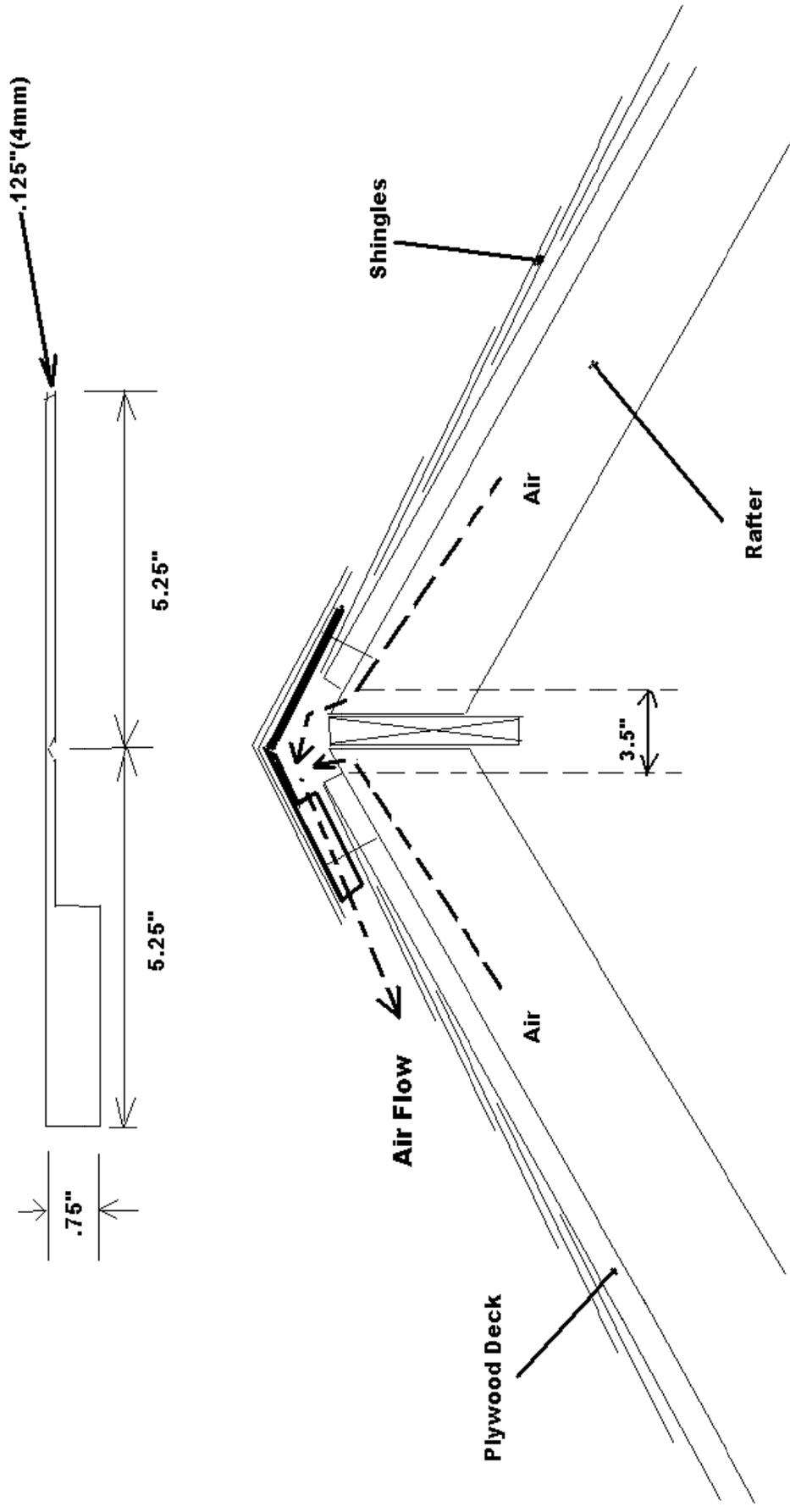
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SmartRidge I Single Sided Ridge Vent

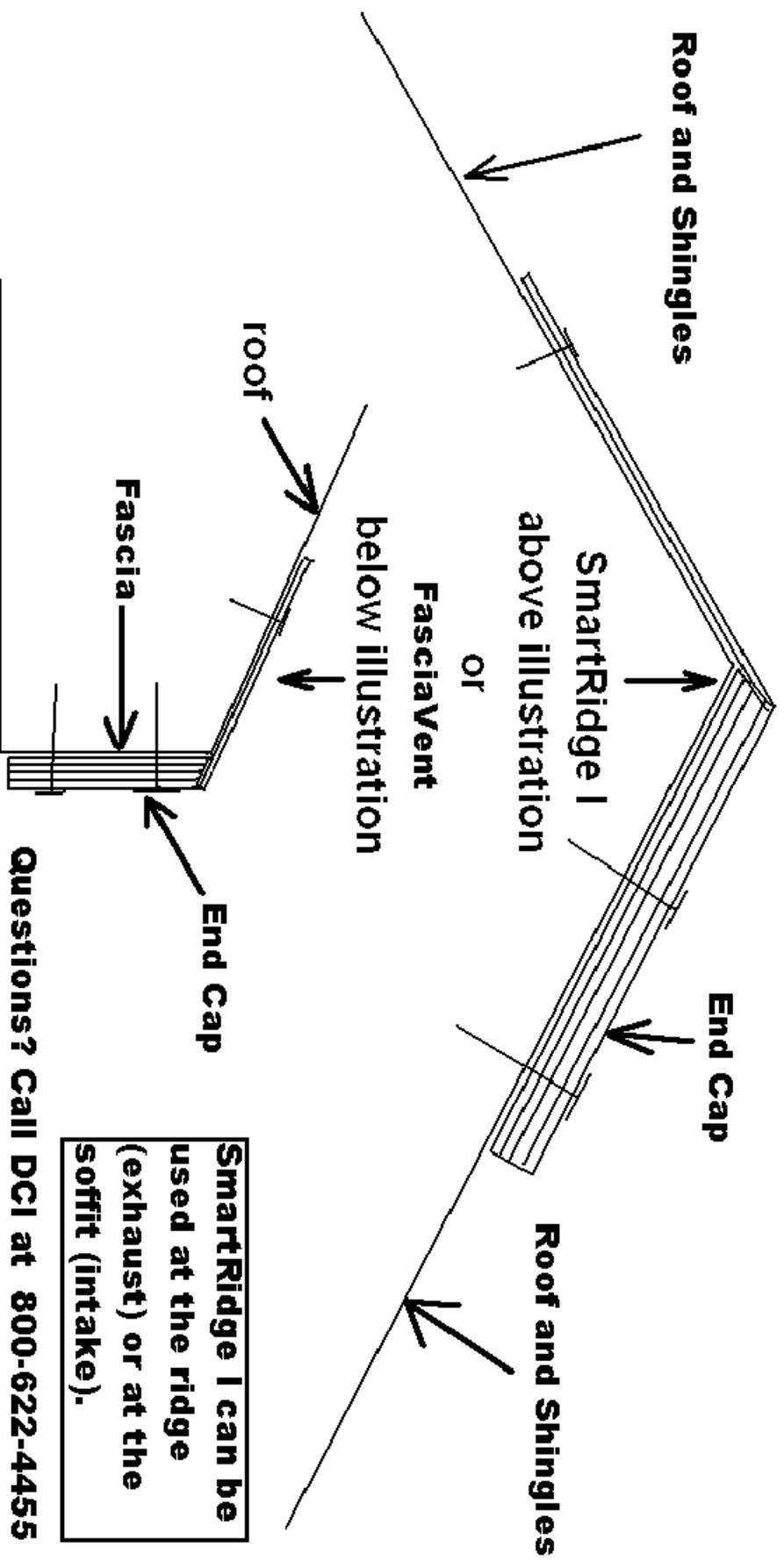


Cut 3.5" of plywood away from ridge area, install shingles and SmartRidge I. Cap shingle over the vent. The no-lift side will be flat and all the air will flow out the lift edge. This is a 100% efficient ridge vent creating a venturi effect at the ridge.

DCI Products
1-800-622-4455

SmartRidge I End Cap Installation Procedures- Ridge or Soffit

SmartRidge I End Cap - use in place of the fabric squares.
FasciaVent End Cap - also use in place of fabric squares.
Install End Caps at the beginning of a run and to end the run of the respective vent installation.



SmartRidge I can be used at the ridge (exhaust) or at the soffit (intake).

Questions? Call DCI at 800-622-4455