





## DCI Wafer Cut Hip Ventilation Instructions

<p>Step 1 - Hip vents get 'wafer' cuts of 12" with 6" solid plywood intervals</p>	
<p>Step 2 - A full 4' sheet with wafer cuts showing top and bottom uncut for 6" to gain cross strength.</p>	
<p>Step 3 - Another wafer cut picture showing 3 1/2" overall cut (1 3/4" each side)</p>	
<p>Step 4 - Wafer cut showing two nails per uncut section (6" uncut, 12" wafer cut)</p>	

**Installation of the Hip & Ridge Vent (H&R) End Cap:**  
(No Cutting of the End Cap is required. Simply nail it down.)

-----For use with SmartRidge II ridge vents-----

**Step 1-** Ensure the area to be vented has been properly cut out and air flow requirements are met (refer to wafer cut hip diagram). Also ensure the shingles on each roof plane are previously installed per manufacturer's directions and shingle and underlayment cutouts for the wafer cuts have been completed. **NOTE: At least 1-36" course of the required underlayment at the soffit/eave area must not be cut around wafer cuts at the hip for waterproofing. Some regions require 2-36" courses of ice shield not cut at hip.** The H&R End Cap is tapered from 1/8" to 3/4" and the fabric edge always shows after installation with smooth side of vent facing up. It is hinged in the center and universal for right or left installation. The finger is pointing to the small 1/8" end in the Step 1 photo. Wafer cuts are required for hip vent cutouts in the roof decking. Any questions please contact DCI Products. Cutting end caps is not required. (Hip Wafer Shingle cuts are shown in fig. 2 & 3)

**Step 2-** Shows the H&R End Caps being installed centered about 2" down from the Hip/Ridge peak applied on the hips and overlapped at the small 1/8" edge of each end cap. The 3/4" thicker edge of the H&R End Cap is facing down slope so it butts against the not yet installed 3/4" SmartRidge II ridge vent. The overlap varies with the roof pitch. Six (6) nails per end cap with one (1) at each corner. No cutting is required when installing the end caps.

**Step 3-** Apply the third H&R End Cap as shown centered on the roof ridge. Start with the small 1/8" end overlapping the previously installed hip end caps and also about 2" away from the peak junction of the Hip/Ridge point. Nails should be at the four corners and two between on the side edges. Additional nails can be used to form the vent as desired. The thicker edge of the vent will butt against the 3/4" SmartRidge II ridge and hip vent yet to be installed.

**Step 4-** Install the SmartRidge II ridge and hip vents by simply butting the pieces to the H&R End Caps. Nail as required. Use H&R end caps to stop SR II at any location on the ridge or hip.

**Step 5-** Install cap shingles continually and over the H&R end caps and SmartRidge II ridge and hip vents.

**Step 6-** Ensure cap shingles are cut to fit at the Hip/Ridge junction and are weatherproof. The vent installation is complete and creates a smooth transition on your hips and ridges.

Other Areas of Use are Shown Below. Use to end any vent run.

**Use the End Caps for Gable ends and chimneys, valleys & dormers**

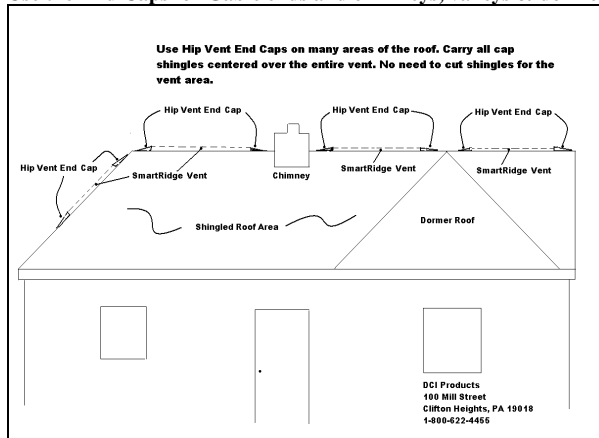
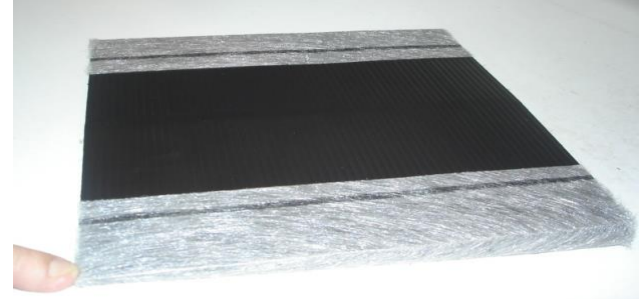
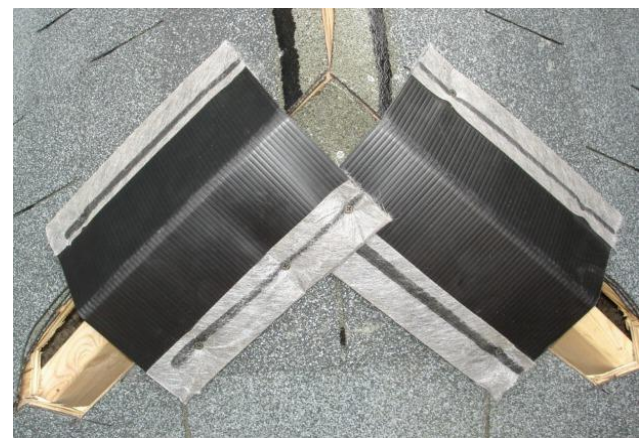


Figure 7

This is a picture of the Hip-n-Ridge Vent End Cap Product (10.5" wide X 11.25" Long Tapered from 1/8" to 3/4" w/ Weather Fabric)



^(1/8" Edge)      **STEP 1** (ABOVE) ^      (3/4" Edge) ^



^Hip      **STEP 2** ^      Hip^



**STEP 3** ^



**STEP 4** ^



**STEP 5** ^



**STEP 6** ^

- Remember that this H&R End Cap requires no cutting.
  - Nails should always penetrate through wood roof sheathing.
  - Use on hips and ridges and around dormers, chimneys, near valleys and at gable ends to hide swayback gable ends.
- Questions? please call DCI Technical Dept. at 610-622-4455

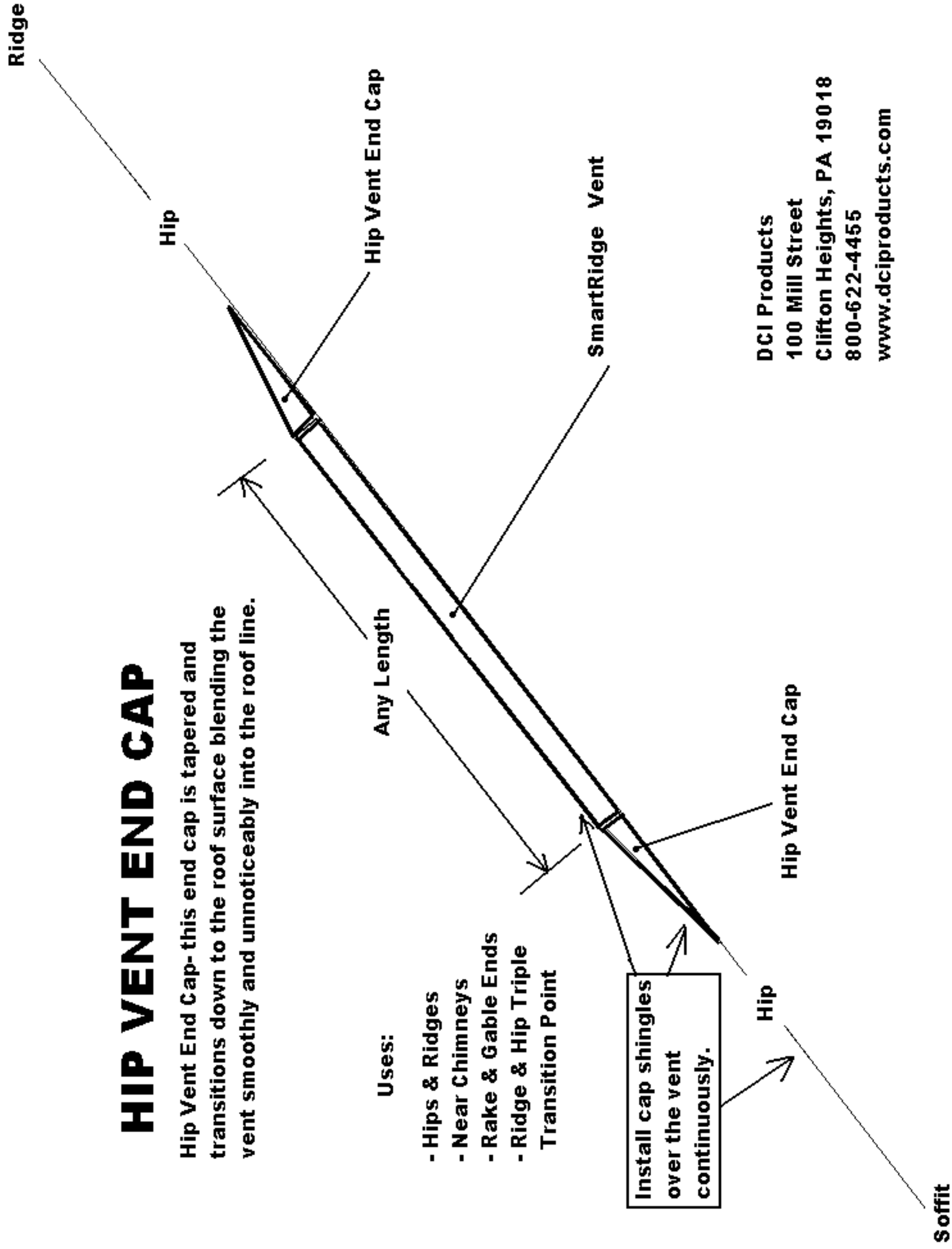
# HIP VENT END CAP

Hip Vent End Cap- this end cap is tapered and transitions down to the roof surface blending the vent smoothly and unnoticeably into the roof line.

## Uses:

- Hips & Ridges
- Near Chimneys
- Rake & Gable Ends
- Ridge & Hip Triple Transition Point

Install cap shingles over the vent continuously.



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