

## SmartRidge™ I Installation Instructions

Before you start, decide which side the lift edge will be installed. (Only use on slopes 4/12 and up)

### 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 IPS 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



**STEP 2:** Make lines at the 6" and 7" marks as shown below.

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). If using the fabric install the piece so that an equal amount of fabric is on top and on the bottom. Nail the fabric to the roof and bend it around the piece of SmartRidge™ I.

### STEP 3: Installing SmartRidge™ I

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 edge and ending at the opposite edge 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 MINIMUM). Ensure both long edges are nailed tight against the roof with no gaps.

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.

### STEP 4:

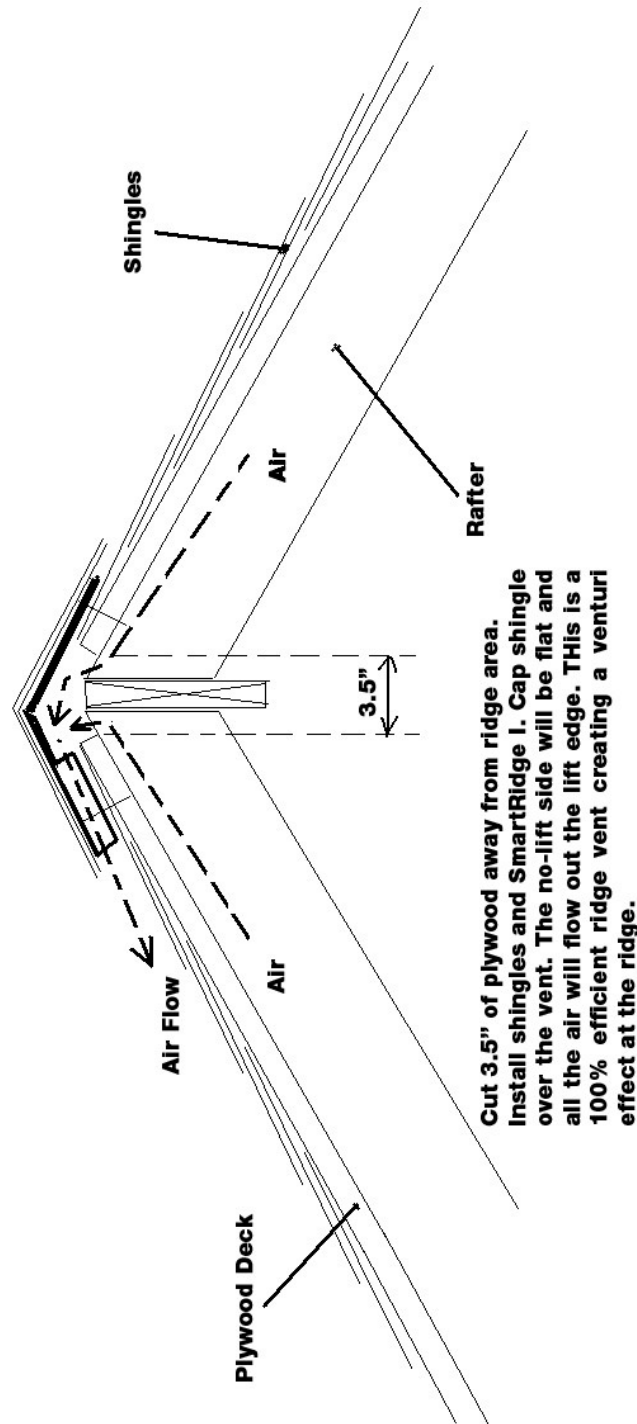
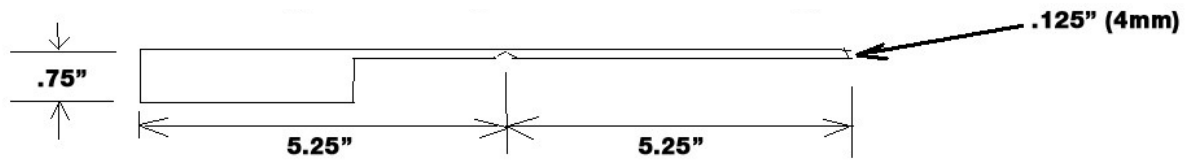
Attaching the next pieces of SmartRidge™ I can be done by butting the end of the next piece up tightly against the end of the previously installed piece. Continue butting 3' pieces of SmartRidge™ I until you reach the end of the roof. Cut the final piece to fit flush with gable end cap and/or repeat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

### STEP 5:

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 IPS.

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Before you start, decide which side the lift edge will be installed. (Only use on slopes 4/12 and up)



**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.**