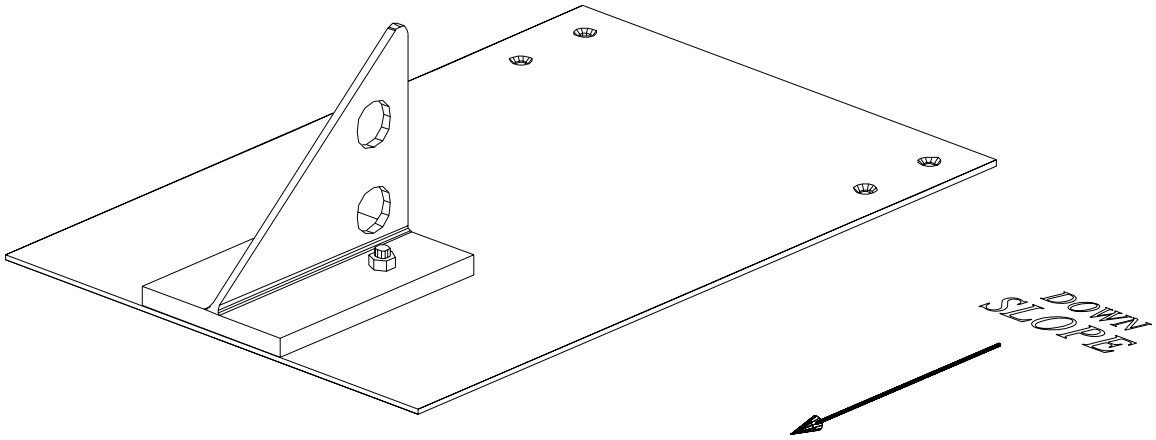
ALPINE SNOWGUARDS
A Division of Vermont Slate & Copper Services, Inc.

Web www.alpinesnowguards.com
E-mail info@alpinesnowguards.com
Toll Free Phone 1.888.766.4273
Toll Free Fax 1.888.766.9994
289 Harrell Street. Morrisville, VT 05661

Assembly Instructions for #125 Pipe Style Snowguards

I. For bolt down style brackets (Slate, Shingle and Tile Roofing)
   A. Slate, Shingle, and Concrete Tile Installation. (#125)
      1. Brackets can be mounted onto the plate (using the hex bolts) before or after the plate has been
      2. screwed or bolted to the roof deck.
      3. Plates should be securely bolted or screwed to the roof in place of a shingle or tile.
      4. Consult with an engineer or fastener company to determine the fastener required to attach the base plate to the wood block. Fasteners must exceed 2000 pounds sheer combined.
      5. Insert tubing through the holes in the uprights.

II. Locking Collars, End Caps, and Ice Flags (optional)
      1. Locking collars (#65) should be placed over each end of each line of tubing. Center the tubing on the snowguards and tighten the set screw on the collar until it no longer slips.
      2. End caps (#56) are installed by pressing the cap into the end of the pipe.
      3. Ice flags (#95), if used, should be placed over the top tube so that the long leg rests against the uphill side of both tubes. Use the carriage bolt and nut to hold the ice flag in position.



Snowguard Layout for Pipe Style Brackets

* Contact the manufacturer for detailed layout.
* Horizontal spacing between brackets should be 48" maximum. This may have to be decreased due to variable conditions.
* Do not install runs than 100 feet long without a break to allow for thermal expansion.
* First row of snowguards is installed above outer most wall or support of the building.
* Tubing is 1" O.D. aluminum.
* Brackets are made of aluminum and are available in other metals.
* One, two and three pipe systems are available.

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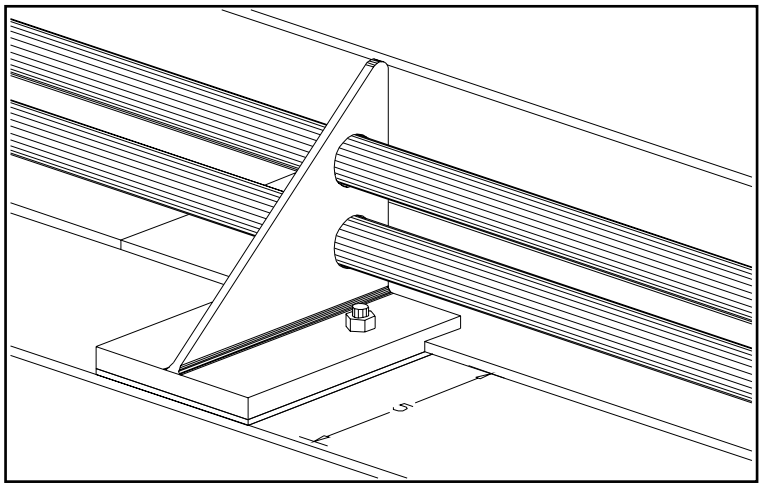
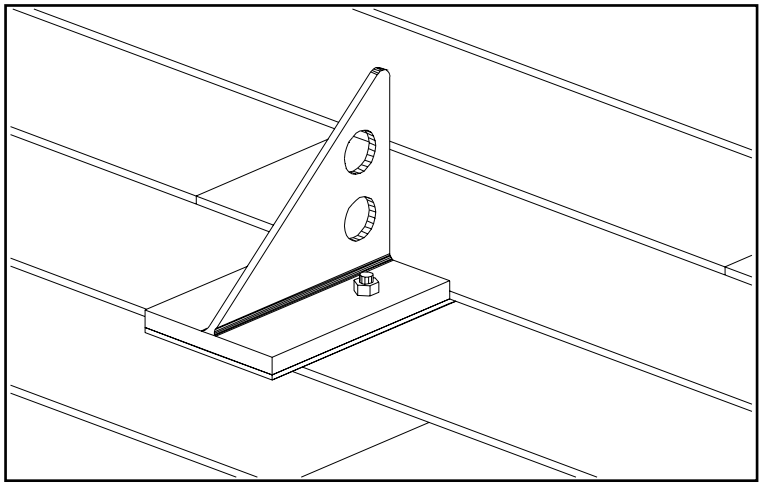
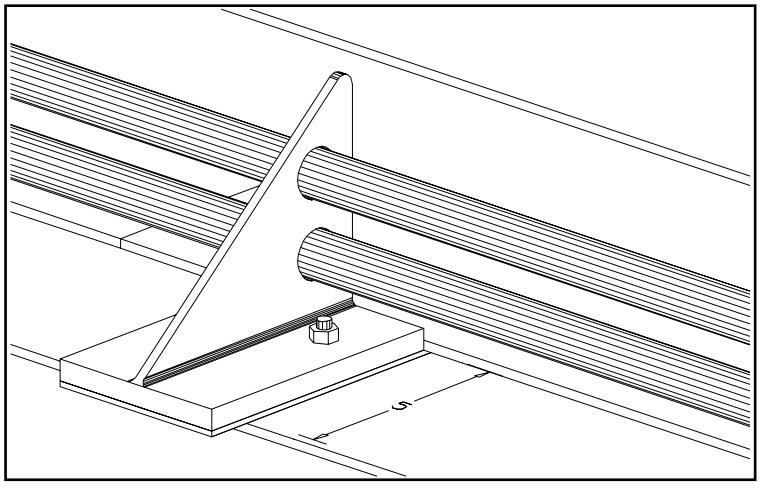


The top drawing shows the #125 bracket mounted in a shingle roof with a 5” exposure in the preferred method. This allows for full support of the bracket by the shingle under it. The shingle needs to be trimmed around the bracket for the next course to fit properly. Care must be taken to waterproof the notch around the bracket to avoid leaks.





The middle and bottom drawings show the #125 bracket mounted in a shingle roof with a 5” exposure in the alternate method. This allows for maximum support of the snowguard bracket without the need to notch the shingle around the bracket. Both methods allow for the fasteners attaching the brackets to the roof to be well covered by the shingle overlap giving good watertight integrity. When the shingle exposure is 6” or greater the second method is the preferred method.

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