



ALPINE SNOWGUARDS

A Division of Vermont Slate & Copper Services, Inc.

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Installation Instructions for #315 Snowguards

- I. Base Plate (The base plate is the flat piece with the two threaded studs.)
 - A. A Continuous block is required underneath the roof batten roof surface to attach the base plate. Mounting this system over batten alone may crush the batten and cause the roof to leak.
 - B. Place the base plate on top of the installed batten.
 - C. Before fastening base plate through batten to mounting block below, apply a generous amount of acceptable sealer under the flange.
 - D. Fasten base plate to mounting block using 3 fasteners that will achieve 2000 pounds combined sheer.
- II. Installation of snowguard flag
 - A. Install snowguard flag over threaded rods.
 - B. Place one gasketed washer over each stud.
 - C. Place locking nut over gasketed washer and tighten.
 - D. Insert tubing through the holes in the uprights.
- III. Locking Collars, End Caps, and Ice Flags (optional)
 - A. 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.
 - B. End caps (#56) are installed by pressing the cap into the end of the pipe.
 - C. 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.

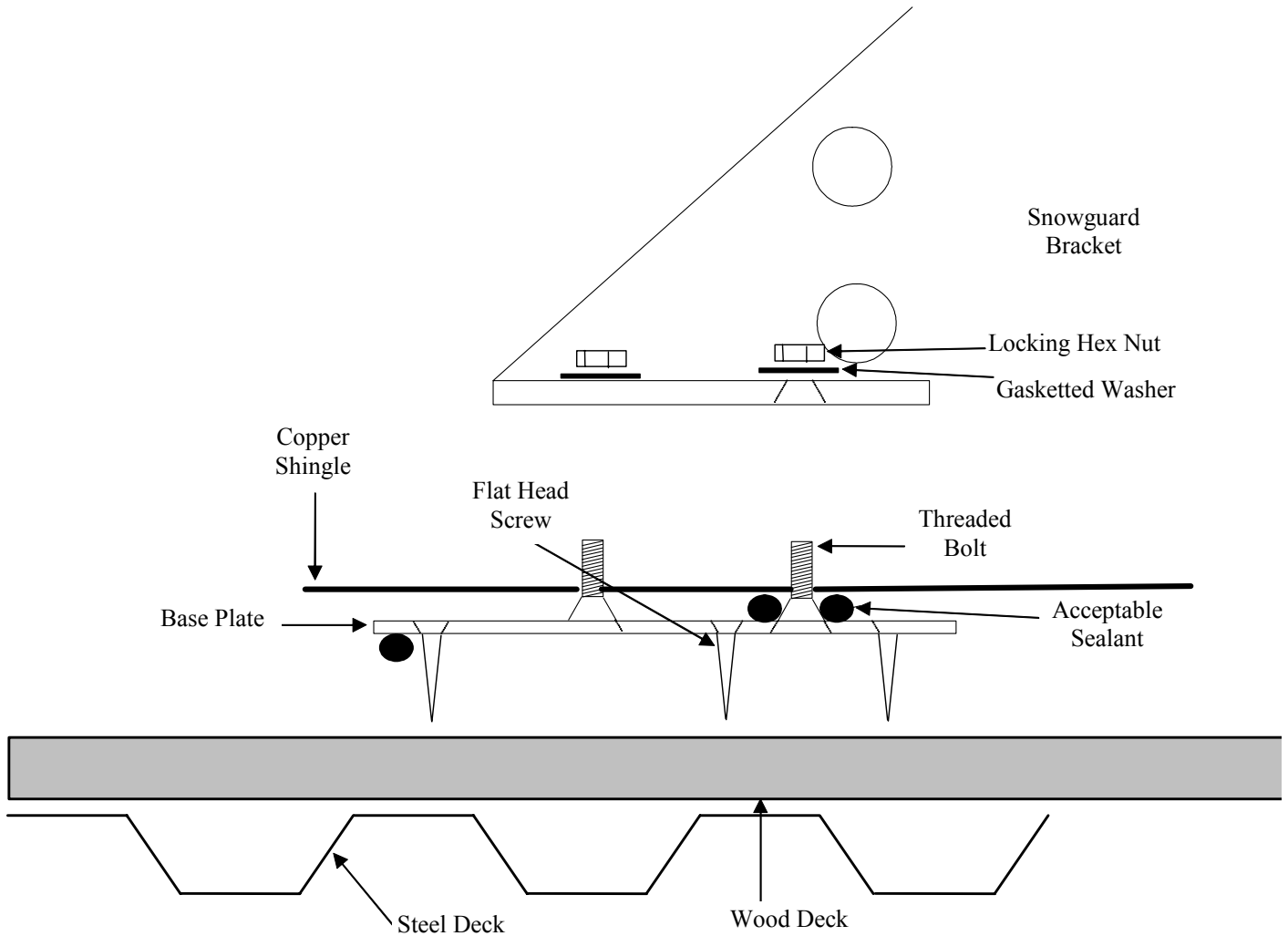
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#315 Snowguard on a copper shingle Installation Detail

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