



## PP115R Specification Sheet Snow Guards

### PART 1 – GENERAL

#### 1.1 SUMMARY

##### A. WORK INCLUDES

1. PP115R snow guards that attach directly to roof deck.
2. Coordinate with installation of roof to assure proper placement of snow guards.
3. Provide appropriate snow guards and fasteners for the roof system.

##### B. RELATED SECTIONS

- |   |                            |
|---|----------------------------|
| 1. Section 076000: Flashing and Sheet Metal | MasterFormat 2016 07 60 00 |
| 2. Section 075000: Membrane Roofing         | MasterFormat 2016 07 50 00 |
| 3. Section 077253: Snow Guards              | MasterFormat 2016 07 72 53 |

#### 1.2 SYSTEM DESCRIPTION

##### A. COMPONENTS

1. Bracket: KIT-145 BRACKET - A mill finish aluminum bracket with 2 fastener holes to accept the 5/16" base plate studs and holes in flag to accept pipe (2-pipe, 3-pipe, or 2 hi-hole).
2. N-HX SS-.3125-18
3. W-NEO SS-.313
4. BASE SS 8X8-100R - An 8" x 8" stainless steel base plate with two 5/16"-18x3/4" stainless steel flathead bolts welded into place.
5. FERRULE - An aluminum tube designed to fit into insulation to be fastened to wood or metal decking. Ferrules are sold separately, as needed.
6. TARGET PATCH FLASHING - A customer-supplied target patch flashing of appropriate size, material and method of installation to meet roof manufacturer's requirement for proper flashing.
7. PP56, end caps - a stainless steel cap that is inserted into the end of the run of pipe, creating a barrier against moisture, debris and insects.
8. PP65, end collars - an aluminum collar that is used to keep the pipe in appropriate position within bracket.
9. PP75, pipe – an aluminum pipe that is inserted into holes in bracket. PP95 ice flags are optional.
10. Coupling: PP86 (Internal) or PP84 (external) - an aluminum coupling that is used to couple runs of pipe together.
11. PP95, ice flags (optional) - an aluminum accessory installed on fence-style snow guards that provides additional surface area/snow management properties to help keep snow and ice from sliding underneath the pipe.
12. Fasteners: Fasteners are not included.
  - a. To be of metal compatible with snow guards.
  - b. Fasteners should be selected for compatibility with roof deck.
  - c. Fastener strength should exceed or be equal to that of snow guard system.



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### **B. DESIGN REQUIREMENTS**

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 6 fasteners per snow guard base plate.
3. It is important to design new structures or assess existing structures to make sure that they can withstand retained snow loads.

### **1.3 SUBMITTAL**

- A. Submit manufacturer's specifications, standard detail drawings, installation instructions and recommended layout.

### **1.4 QUALITY ASSURANCE**

- A. Installer to be experienced in installation of specified roofing material and snow guards for not less than 5 years in the area of the project.

### **1.5 DELIVERY / STORAGE / HANDLING**

- A. Inspect material upon delivery and order replacements for any missing or defective items. Keep material dry, covered and off the ground until installed.

## **PART 2 – PRODUCTS**

### **2.1 MANUFACTURER**

- A. Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.  
289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | [www.alpinesnowguards.com](http://www.alpinesnowguards.com)

### **2.2 MATERIALS**

- A. Snow Guard Bracket - 6000 Series Aluminum.
- B. Base Plate – 11-gauge 304 stainless steel with two 5/16" 304 stainless steel machine screws welded into countersinks.
- C. Pipe (choose one)
  1. Aluminum – 6000 Series, 1" outside diameter and .120" wall thickness, extruded.
  2. Stainless Steel – 304 alloy, same dimensions as aluminum, welded.
- D. Couplings (choose one)
  1. Aluminum – 6000 Series
    - a. Internal and concealed coupling 3" long.
    - b. External and exposed coupling which can also serve as a 5" long expansion mechanism.
  2. Stainless Steel – 304 Series Internal and concealed coupling 3" long.
- E. End Caps - 304 Stainless Steel
- F. End Collars (choose one)
  1. 6000 Series Aluminum
  2. 304 Stainless Steel
- G. Ferrules – 6000 Series Aluminum 1" O.D, .120" wall thickness x 24" long.  
Cut to length on site.



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H. Ice Flags (optional - choose one)

1. 6000 Series Aluminum 3" wide x length (as needed).
2. 304 Stainless Steel

I. Fasteners (can be purchased from others) to be compatible with chosen roof application and meet specified pull-out values as shown in load test data.

2.3 FINISH (choose one)

- A. Mill Finish – standard
- B. Powder Coated – available at additional cost

### **PART 3 – EXECUTION**

3.1 EXAMINATION

A. Substrate

1. Inspect structure on which snow guard system is to be installed and verify it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards' products.
2. Verify roofing material has been installed correctly prior to installing snow guards.

3.2 INSTALLATION

A. Comply with architectural drawings and snow guard manufacturer's recommendations for location of system. Comply with manufacturer's written installation instructions for installation and layout.

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