



## PP145 Specification Sheet Snow Guards

### PART 1 – GENERAL

#### 1.1 SUMMARY

##### A. WORK INCLUDES

1. PP145 Snow guard that attaches directly to roof deck.
2. Coordinate with installation of roof to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for roof system.

##### B. RELATED SECTIONS

- |   |                            |
|---|----------------------------|
| 1. Section 07600: Flashing and Sheet Metal.     | MasterFormat 2016 07 60 00 |
| 2. Section 07310: Shingles.                     | MasterFormat 2016 07 31 00 |
| 3. Section 07320: Roofing Tiles.                | MasterFormat 2016 07 32 00 |
| 4. Section 07610: Metal Roofing.                | MasterFormat 2016 07 61 00 |
| 5. Section 07410: Metal Panels.                 | MasterFormat 2016 07 41 00 |
| 6. Division 7: Thermal and Moisture Protection. |                            |

#### 1.2 SYSTEM DESCRIPTION

##### A. COMPONENTS

1. PP145 Snow guard system consists of snow guard bracket.
2. PP75, tubing (Snow Fence).
3. Couplings.
  - a. PP84, external couplings
  - b. PP86, internal couplings
4. PP56, end caps.
5. PP65, end collars.
6. PP95, ice flags.
7. Fasteners
  - 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.

##### B. DESIGN REQUIREMENTS:

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 4 fasteners per snow guard base plate.
3. It is important to design new structures or assess existing structures to make sure 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.



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### **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. PP75, tubing (choose one)

1. Aluminum – 6000 Series, 1" outside diameter and .120" wall thickness, extruded.
2. Stainless Steel – 304 alloy, same dimensions as aluminum, welded.

C. PP84 and PP86, external and internal 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

- a. Internal and concealed coupling 3" long.
- b. External and exposed coupling which can also serve as a 5" long expansion mechanism.

D. PP56, end caps - 304 Stainless Steel.

E. PP65, end collars (choose one)

1. 6000 Series Aluminum.
2. 304 Stainless Steel.

F. PP95, ice flags, optional (choose one)

1. 6000 Series Aluminum 3" wide x length.
2. 304 Stainless Steel.

G. 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 that 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.

Document Version 08.11.2021  
07 72 53 Snow Guards