



## **PP215 & PP215R Specification Sheet Snow Guards**

### **PART 1 – GENERAL**

#### **1.1 SUMMARY**

##### **A. WORK INCLUDES**

1. PP215 & PP215R Snow guards that attaches directly the roof deck.
2. Coordinate with installation of to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for the roof system.

##### **B. RELATED SECTIONS**

1. Section 07600: Flashing and Sheet Metal. MasterFormat 2016 07 60 00
2. Section 07500: Membrane Roofing. MasterFormat 2016 07 50 00
3. Section 07720: Snow Guards. MasterFormat 2016 07 72 00
4. Division 1: Administrative and procedural requirements.
5. Division 7: Thermal and Moisture Protection.

#### **1.2 SYSTEM DESCRIPTION**

##### **A. COMPONENTS**

PP215 Snow Guard System: Consists of snow guard bracket and base plate.

1. BASE SS 6X8-200
2. PP225-UPKIT
3. W-NEO SS-.313
4. N-FL SS .313-18
5. TARGET PATCH FLASHING (CUSTOMER SUPPLIED OR PP99-CU)

PP215R Snow Guard System: Consists of snow guard bracket, base plate and ferrule.

1. BASE SS 8X8-200R
2. PP225-UPKIT
3. W-NEO SS-.313
4. N-FL SS-.313-18
5. TARGET PATCH FLASHING (CUSTOMER SUPPLIED)
6. FERRULE

##### **B. ACCESSORIES**

1. PP75, tubing
2. Couplings
  - a. PP84, external
  - b. PP86, internal
3. PP56, end caps
4. PP65, end collars
5. Ferrules – use with PP215R system
6. PP95, ice flags, optional
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.
8. Target Patch of appropriate size and material and method of installation to meet roof manufacturer's requirement for proper flashing.

Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.

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### **C. DESIGN REQUIREMENTS**

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 6 fasteners (8 with PP215R) 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 the 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 - 5000 Series Aluminum.
- B. Base Plate - 11 gauge thick 304 Stainless Steel with two 5/16" 304 stainless steel machine screws welded into countersinks.
- C. 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.
- D. 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.
- E. PP56, end caps - 304 Stainless Steel.
- F. PP65, end collars (choose one)
  1. 6000 Series Aluminum.
  2. 304 Stainless Steel.
- G. Ferrules – use with PP215R system - 6000 Series Aluminum 1" O.D, .120" wall x 24" long. Cut to length on site.



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H. PP95, 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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