

PP315 Snow Guard Specification Sheet

Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PP315 Snow guard that attaches directly the roof deck.
2. Coordinate with the installation of the roof to assure proper placement of the snow guards.
3. Provide appropriate snow guard and fasteners for the roof system

B. RELATED SECTIONS

1. Section 07600: Flashing and Sheet Metal. MasterFormat™ 2004 07 60 00
2. Section 07310: Shingles. MasterFormat™ 2004 07 31 00
3. Section 07320: Roofing Tiles. MasterFormat™ 2004 07 32 00
4. Section 07610: Metal Roofing MasterFormat™ 2004 07 61 00
5. Section 07410: Metal Panels MasterFormat™ 2004 07 41 00
6. Division 7: Thermal and Moisture Protection.

1.2 SYSTEM DESCRIPTION

A. COMPONENTS:

1. PP315 Snow guard system consists of snow guard bracket and base plate with (2) stainless steel nuts and (2) bonded stainless steel and EPDM washers.
2. Tubing (Snow Fence).
3. Couplings.
4. End Caps.
5. End Collars.
6. Ice Flags.
7. Fasteners
 - a. To be of metal compatible with snow guards.
 - b. Fasteners should be selected for compatibility with the roof deck.
 - c. Fastener strength should exceed or be equal to that of the snow guard system.



B. DESIGN REQUIREMENTS:

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 3 fasteners per snow guard.
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 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.

2.2 MATERIALS

- A. Snow Guard Bracket (choose one):
1. 3/16" thick 5000 Series Aluminum.
 2. 1/8" thick 260 Brass.
 3. 1/8" thick 304 Stainless Steel.
- B. Base Plate - 11 gage 304 stainless steel with two 5/16" 304 stainless steel machine screws welded into countersinks.



- C. 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.
 - 3. Brass – 272 alloy 1” outside diameter and 1/8” wall thickness; 330 alloy upon request.

- 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 an expansion mechanism 5” long.
 - 2. Stainless Steel – 304 Series
 - a. Internal and concealed coupling 3” long.
 - b. External and exposed coupling which can also serve as an expansion mechanism 5” long.
 - 3. Brass – 300 Series
 - a. Internal and concealed coupling 3” long.
 - b. C230 external and exposed coupling which, can also serve as an expansion mechanism 5” long.

- E. End Caps (choose one):
 - 1. 304 Stainless Steel.
 - 2. Brass Plated Stainless Steel.

- F. End Collars (choose one):
 - 1. 6000 Series Aluminum.
 - 2. 304 Stainless Steel.
 - 3. C230 Brass.

- G. Ice Flags (choose one):
 - 1. 6000 Series Aluminum 3” wide x length (as needed).
 - 2. 304 Stainless Steel.
 - 3. 260 Brass.

- H. 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 that it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards.
 - 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.

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