

## **SECTION 077253 - SNOW GUARDS**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section Includes:
  - 1. Pad-type, flat-mounted snow guards for slate composite shingle roofs.
  - 2. Pad-type, seam-mounted snow guards for metal roof panels.

#### **1.2 ACTION SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for snow guards.
- B. Shop Drawings: Include roof plans showing layouts and attachment details of snow guards.
  - 1. Include calculation of number and location of snow guards based on snow load, roof slope, roof type, components, spacings, and finish.
- C. Samples: Full-size unit.

#### **1.3 INFORMATIONAL SUBMITTALS**

- A. Product Test Reports: For each type of snow guard, for tests performed by manufacturer and witnessed by a qualified testing agency.

### **PART 2 - PRODUCTS**

#### **2.1 PERFORMANCE REQUIREMENTS**

- A. Performance Requirements: Provide snow guards that withstand exposure to weather and resist thermally induced movement without failure, rattling, or fastener disengagement due to defective manufacture, fabrication, installation, or other defects in construction.
  - 1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
- B. Structural Performance:
  - 1. Snow Loads: As indicated on Drawings.

#### **2.2 PAD-TYPE SNOW GUARDS**

- A. Flat-Mounted Metal Snow Guard Pads:
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide John Storz & Son (storz.com); Pro 100 Snow Guard, or an approved comparable product.
  - 2. Length: Not less than 10 inches or as recommended by slate composite shingle manufacturer.
  - 3. Material: Stainless-steel sheet.
  - 4. Finish: Mill.
- B. Seam-Mounted Metal Snow Guard Pads:

1. Basis-of-Design Product: Subject to compliance with requirements, provide Berger Building Products; AP™ Series, or comparable product by the following:
  - a. ATAS International, Inc.
2. Material and Finish: Cast aluminum; powder coat.
  - a. Color: As selected by Architect from manufacturer's full range.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, snow guard attachment, and other conditions affecting performance of the Work.

#### 3.2 INSTALLATION

- A. Install snow guards according to manufacturer's written instructions. Space rows as recommended by manufacturer.
- B. Attachment for Slate Shingle Roofing:
  1. Flat-Mounted, Snow Guard Pads: Mechanically anchored through predrilled holes concealed by the shingles and according to shingle manufacturer's written instructions, including coordination with battens and moisture barrier.
- C. Attachment for Standing-Seam Metal Roofing:
  1. Do not use fasteners that will penetrate metal roofing, or fastening methods that void metal roofing finish warranty.
  2. Seam-Mounted Metal Snow Guard Pads: Stainless-steel clamps attached to vertical ribs of standing-seam metal roof panels.

END OF SECTION