

SECTION 077253 – SNOW GUARDS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Custom deck mounted snow retention system for slate roofs.

1.3 SYSTEM DESCRIPTION:

- A. COMPONENTS:
 - 1. Deck Mount Bracket/Base Plate
 - 2. 1" Diameter Round Tubing
 - a. End Cap
 - b. Insert
 - 3. Barricade Plate™
 - 4. Fasteners
 - a. Minimum (4) per plate.
 - b. Material to be compatible to that of the bracket/base plate material.
 - c. To be compatible with the roof deck.
 - d. Strength should be greater and/or equal to that of the snow retention system.
 - 5. Sealant:
 - a. Manufacturers standard.
- B. DESIGN REQUIREMENTS:
 - 1. Bracket/base plate spacing: As indicated on Drawings.

1.4 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.
- C. Include details of rail-type snow guards.
- D. Include calculation of number and location of snow guards based on snow load, roof slope, roof type, components, spacings, and finish.

- E. Samples: Bracket and 12-inch- (300-mm-) long rail.

1.5 INFORMATIONAL SUBMITTALS

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

1.6 QUALITY ASSURANCE

- A. Mockup: Provide snow guard work for roof mockup as specified in Division 13 section "Metal Building Systems." Mockup shall be full width of roof panels (48 inches) and include at least two clips to the standing seams and one flag.

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.

2.2 RAIL-TYPE SNOW GUARDS

- A. Seam-Mounted, Rail-Type Snow Guards:

- 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sno Gem; 'Deck Mounted Double Round Bar System' or comparable product by one of the following"
 - a. Alpine SnowGuards.
 - b. PMC Industries, Inc.
 - 2. Description: Snow guard rails fabricated from metal tubing anchored to brackets and equipped with two rails.
 - 3. Material and Finish: Stainless steel; Manufacturer's standard..

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.
 - 1. Verify compatibility with and suitability of substrates including compatibility with existing finishes or primers.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install snow guards according to manufacturer's written instructions.

END OF SECTION 077253