

**SECTION 07720**  
**PENETRATING SNOW RETENTION SYSTEM**  
**SPECIFICATION SHEET**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. WORK INCLUDES:
1. SNOSTOP snow retention system that screws through exposed fastened metal roofs into structure.
  2. Coordinate with the installation of the metal roofing system to assure the proper fastening of the metal roof to the substructure.
  3. Provide all necessary components: Brackets, Tubes, #14 Stainless Steel tapping Screws with s.s. washer and neoprene washer, complete with pilot drill bit.
- B. RELATED SECTIONS:
1. Section 07410: Preformed Metal Roofing
  2. Section 07600: Flashing and Sheet Metal

**1.2 SYSTEM DESCRIPTION**

- A. COMPONENTS:
1. Zinc Die-Casting Brackets, Swaged Galvalume Tubes with end-of-row pins
  2. #14 Stainless Steel tapping screws with s.s. and neoprene washer.
  3. *Optional:* Sheet metal "Ice Dam" centered in the middle of the panel to prevent sliding ice. Use over pedestrian areas or on areas needing additional protection.
- B. DESIGN REQUIREMENTS:
1. Bracket spacing and loading is based on specific project design.
  2. Based on snow load, climatic conditions, length of roof panel and width of panel; multiple rows of SNOSTOP may be needed.
- C. METAL ROOFING AND SUBSTRATE CRITERIA:
1. Metal roofing must be a minimum of 24 ga. steel.
  2. All loads incurred by the SNOSTOP will be transferred to the substructure (purlins, plywood, etc.). Therefore, proper fastener attachment to substrate/structure is necessary to prevent the snow retention system from failing under snow conditions. (*Architect Note: Add this requirement to Metal Roofing Section*)

**1.3 SUBMITTAL** - Submit Manufacturer's specifications, detail shop drawings and installation instructions.

**1.4 QUALITY ASSURANCE** - Installer to be experienced in the installation of metal roofing and snow retention systems for a period of not less than 5 years in the area of the project.

**1.5 DELIVERY/STORAGE/HANDLING** - 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. SNOSTOP by Roofers World, Ottawa, ON, Canada, 1.800.352.6147x102

**2.2 MATERIALS**

- A. Aluminum-Zinc Die-Casting Brackets  
B. Galvalume Steel Tubes with swaged ends, 8-ft sections, c/w end-of-row pins.  
C. Stainless Steel #14 tapping screws with s.s. and neoprene washers, c/w pilot drill bit.

**2.3 FINISH**

- A. Enamel Painted. Color to match metal roof or as selected by Architect  
B. Unpainted Zinc - finish.  
C. Metal plated (copper, etc.)

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

- A. Substrate: Inspect roof system to be properly attached and installed to withstand additional loadings incurred. Notify General Contractor of any deficiencies before installing SNOSTOP.

**3.2 INSTALLATION**

- A. Comply with architectural drawings for location and with Manufacturer's shop drawings and instructions for assembly, installation and erection.

**Revised 06/2008**