

***Deck Mount Snow Retention Specifications for Metal Roof Systems***  
*To be used with the 11-MEC (1 Tube, 1" System), 21-MEC (2 Tube, 1" System) and 31-MEC (3 Tube, 1" System)*

**PART 1 - GENERAL**

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**1.1 SUMMARY:**

- A. WORK INCLUDES:
1. Deck mount bracket for metal roof systems.
  2. Attachment directly to the roof deck.
  3. Provide brackets, fasteners and all other components that make up the snow retention system.
- B. RELATED SECTIONS:
1. Division 1: General Requirements
  2. Division 7: Thermal and Moisture Protection
    - a. Section 07600: Flashing and Sheet Metal
    - b. Section 07610: Metal Panels

**1.2 SYSTEM DESCRIPTION:**

- A. COMPONENTS:
1. Deck Mount Bracket
  2. 1" x 1" Square Tubing
  3. End Cap
  4. Insert
  5. Barricade Plate™
  6. Fastener
    - a. Material to be compatible to that of the bracket plate material.
    - b. To be compatible with the roof deck.
    - c. Strength should be greater and/or equal to that of the snow retention system.
  7. Sealant (if required by the roofing manufacturer).
    - a. To be approved by the manufacturer of the metal roof system.
- B. DESIGN REQUIREMENTS:
1. Bracket spacing to be recommended by an Architect and/or Engineer.
  2. Spacing will vary based on several factors including geographical region, snow load and building characteristics.
  3. Install a minimum of 2 fasteners per bracket.
  4. Our office does not perform an independent site inspection and strongly recommends that an Architect and/or Engineer review the project and any contemplated Sno Gem® layout to ascertain and confirm the projected loads applicable to this project.

**1.3 SUBMITTAL:**

- A. REVIEW OF SUBMITTALS:
1. Show locations of the snow retention system on the roof plan and specify bracket spacing as required by an Architect and/or Engineer.
  2. Include detailed product cut sheets, installation instructions and specifications.

**1.4 QUALITY ASSURANCE:**

- A. CERTIFICATION:

1. Sno Gem® strongly recommends that these products be installed by a qualified Roofing Contractor who will have the knowledge and ability to properly install the product.
2. Install the snow retention system in accordance with an approved layout, installation instructions and approved submittals.

### **1.5 DELIVERY / STORAGE / HANDLING:**

- A. PROCEDURE:
1. Inspect material upon delivery and provide notice of any missing or defective items within 24 hours.
  2. Adequately secure and protect the material until installation.

## **PART 2 - PRODUCTS**

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### **2.1 MANUFACTURER:**

- A. DECK MOUNT SNOW RETENTION SYSTEM:
1. A division of Sno Gem, Inc., 4800 Metalmaster Way, McHenry, IL 60050, (888) 766-4367, [www.snogem.com](http://www.snogem.com)

### **2.2 MATERIALS:**

- A. COMPONENTS:
1. Bracket: Stainless Steel or Brass
  2. 1" x 1" Square Tubing: 6061-T6 Aluminum, Stainless Steel or Brass
  3. Insert: Zinc Zamak #3
  4. End Cap: Zinc Zamak #3
  5. Barricade Plate: Aluminum, Stainless Steel or Brass
  6. Fastener:
    - a. To be compatible with the specified roof application.

### **2.3 FINISH:**

- A. MATERIALS:
1. Standard mill finish.
  2. Powder Coating or Kynar available upon request.

## **PART 3 - EXECUTION**

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### **3.1 EXAMINATION:**

- A. SUBSTRATE:
1. Inspect the roof system in its entirety to verify proper attachment, completion and the ability of the building structure to withstand additional loading applied by the snow retention system.

### **3.2 INSTALLATION:**

- A. PROCEDURE:
1. Install the snow retention system in accordance with an approved layout, installation instructions and approved submittals.