

## *Specifications for*

### *Sno Barricade Deck Mount Membrane Roof Systems*

*To be used with the 11-MEM (1 Tube, 1" System), 21-MEM (2 Tube, 1" System) and 31-MEM (3 Tube, 1" System)*

#### **PART 1 - GENERAL**

##### **1.1 SUMMARY:**

###### **A. WORK INCLUDES:**

1. Sno Barricade bracket/base plate for Membrane Roof Systems.
2. Attachment directly to the roof deck.
3. Provide bracket and all component parts and fasteners for the roof system.

###### **B. RELATED SECTIONS:**

1. Division 1: General Requirements
2. Division 7: Thermal and Moisture Protection
  - a. Section 07500: Membrane Roofing
  - b. Section 07600: Flashing and Sheet Metal

##### **1.2 SYSTEM DESCRIPTION:**

###### **A. COMPONENTS:**

1. Sno Barricade bracket/base plate for Membrane Roof Systems.
2. 1" Square Tubing
3. End Caps
4. Inserts
5. Barricade Plates
6. Fasteners
  - a. Material to be compatible to that of the bracket/base 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 Membrane Roof System.
8. Target Patch
  - a. Size, material and method of installation to meet Manufacturer's flashing requirements.

###### **B. DESIGN REQUIREMENTS:**

1. Bracket spacing to be recommended by the Manufacturer or Building Engineer.
2. Spacing will vary based on several factors including geographical region, snow load and building characteristics.
3. Install a minimum of 8 fasteners per base plate.
4. Our office does not perform an independent site inspection and strongly recommends that an Architect and Engineer review the project and any contemplated Sno Barricade 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 Architect.
2. Include detailed product cut sheets, installation instructions and specifications.

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#### **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**

#### **2.1 MANUFACTURER:**

##### **A. SNO BARRICADE:**

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-304 Alloy or Brass
2. Base Plate: Stainless Steel-304 Alloy or Brass
3. 1" Square Tubing: 6061-T6 Aluminum, Stainless Steel-304 Alloy or Brass
4. Inserts: Zinc Zamak #3 Alloy, Aluminum or Stainless Steel-304 Alloy
5. End Caps: Zinc Zamak #3 Alloy, Aluminum or Stainless Steel-304 Alloy
6. Barricade Plate: Stainless Steel-304 Alloy or Brass
7. Fasteners:
  - 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**

#### **3.1 EXAMINATION:**

##### **A. SUBSTRATE:**

1. Inspect the roof system to verify proper attachment and completion of membrane and verify 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.