

***Specifications for Sno Gem<sup>®</sup> Diamond Guard<sup>™</sup>***  
***To be used with the Sno Gem<sup>®</sup> Diamond Guard<sup>™</sup>***

**PART 1 - GENERAL**

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**1.1 SUMMARY:**

- A. WORK INCLUDES:
  - 1. Snow guards for slate, shingle, Spanish, French, concrete, clay and Synthetic roof tile systems.
  - 2. Mechanically or retrofit attachment methods.
  - 3. Provide Diamond Guard<sup>™</sup> Bracket for the roof system.
  
- B. RELATED SECTIONS:
  - 1. Division 1: General Requirements
  - 2. Division 7: Thermal and Moisture Protection
    - a. Section 07310 Shingles
    - b. Section 07320 Roof Tiles
    - c. Section 07600: Flashing and Sheet Metal

**1.2 SYSTEM DESCRIPTION:**

- A. COMPONENTS:
  - 1. Diamond Guard<sup>™</sup> Bracket
  - 2. Diamond Guard<sup>™</sup> Bracket Insert (Recommended)
  
- B. DESIGN REQUIREMENTS:
  - 1. 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. Our office does not perform an independent site inspection and strongly recommends that an Architect and/or Engineer review the project and any contemplated snow retention 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<sup>®</sup> 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:**

DIAMOND GUARD™:

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. Diamond Guard™ Bracket: 16 ga. Galvanized Steel, 16 ga. Stainless Steel, 48oz. Copper, .063 and .080 Mill Finish Aluminum or Anodized Aluminum, and Brass.
2. Diamond Guard™ Insert (Recommended): 16 ga. Galvanized Steel, 16ga.Stainless Steel, 48oz. Copper, .063 and .080 Mill Finish Aluminum or Anodized Aluminum, and Brass

### **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.