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***Specifications for***  
***Sno Gem Diamond Guard***  
***To be used with the Sno Gem Diamond Guard***

**PART 1 - GENERAL**

**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 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 Bracket
  2. Diamond Guard Bracket Insert (Recommended)
- B. DESIGN REQUIREMENTS:
1. 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. Our office does not perform an independent site inspection and strongly recommends that an Architect and 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 Architect.
  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**

### **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**

### **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.