

SECTION 07720
SNOW RETENTION SYSTEM - ColorBracket
SPECIFICATION SHEET

PART 1 - GENERAL

1.1 SUMMARY

A. WORK INCLUDES:

1. Snow retention system that clamps directly to the standing seams without penetrating the roof system.
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, Bars, Tek Screws, Splice Plates, and End Caps.

B. RELATED SECTIONS:

1. Section 07410: Preformed Metal Roofing
2. Section 07600: Flashing and Sheet Metal

1.2 SYSTEM DESCRIPTION

A. COMPONENTS:

1. **SN[®]BAR™** System consisting of aluminum steel one piece brackets and 16 Ga. or extruded alum bars.
2. Tek screws to be corrosion protected #14 screws for ColorBrackets.
3. Bar to be attached to ColorBracket with two (2) corrosion protected #10 tek screws.
4. Plastic end caps to be installed in each end of 16 Ga. bar.
5. Splice plates to be used as couplers to connect the Colorbar.
6. *Optional:* Aluminum "Ice Stopper" 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. Brackets must be used between every major high rib in roof areas needing protection.
2. Snow retention system should have a minimum performance of 500# per lineal foot of bar without deflection and 500# per bracket without significantly damaging the roof panel.
3. Based on snowload, climatic conditions, length of roof panel and width of panel; multiple rows of **SN[®]BAR™** may be needed.

C. METAL ROOFING AND SUBSTRATE CRITERIA:

1. All brackets must be securely mounted into structure.
2. It is important to design new structures or assess the existing structure to make sure that it can withstand retained snow loads. (*Architect Note: Add this requirement to Metal Roofing Section*)

1.3 SUBMITTAL - Submit Manufacturer's specifications, standard detail 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. **SN[®]BAR™** by Action Manufacturing, LLC, Englewood, CO (800) 711-9724

2.2 MATERIALS

- A. Brackets: 6061-T6 Aluminum Colorbrackets
B. Bars: Specify a 16 Ga. Galvanized Steel Bar or 6061-T6 Aluminum Colorbar.

2.3 FINISH – (pick one of the following finishes)

- A. Powder Coat – color to match or be similar to metal roof panel from wide range of standard colors.
B. KYNAR Powder Coat – color selected from **SN[®]BAR™** Standard colors. Comes with 20 yr. finish warranty.
C. Unpainted Non-Corrosive or Aluminum – Mill Finish

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 **SN[®]BAR™**.

3.2 INSTALLATION

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

Revised 04/2005