

SECTION 07720 SNOW RETENTION SYSTEM SPECIFICATION SHEET

PART 1 - GENERAL

1.1 SUMMARY

A.WORK INCLUDES:

- 1.Snow retention system that screws through exposed fastened metal roofs into structure.
- 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: U-Brackets, Bars, #14 Wood Screws or Tek Screws, #10 Tek Screws, Butyl Gasket 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 13 Ga. stainless steel one piece u-brackets and 16 Ga. bars.
- 2.#14 wood screws or tek screws with neoprene washer that are corrosion protected.
- 3.Bar to be attached to clamp with one (1) corrosion protected #10 tek screws.
- 4.Plastic end caps to be installed in each end of bar.
- 5.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.U-Bracket spacing is based on specific project design.
- 2.Snow retention system should have a minimum performance of 500# per lineal foot of bar without deflection and 500# per clamp 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.Metal roofing must be a minimum of 24 ga. steel.
- 2.All loads incurred by the **SN*BAR™** U-Bracket will be transferred to the substructure (purlins, plywood, etc.). Therefore, proper fastener attachment to substrate/structure is necessary to prevent the snow retention system from failing under snow conditions. (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

B. Marketed by Action Manufacturing. 1405 Brandton Rd. Mechanicsburg, PA 17055. 1-800-766-5291 PH: 717-697-1900 Fax: 717-697-2452 www.snoblox-snojax.com

2.2 MATERIALS

A. U-Brackets: 13 Ga. one-piece stainless steel U-Brackets.

B. Bars: Specify a 16 Ga. Galvanized Steel Bar or 16 Ga. Stainless Steel bar.

2.3 FINISH

A. Polane Plus Enamel or Powder Coat - color to match metal roof or as selected by Architect

B. Unpainted Stainless Steel - 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.