

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: Mill Finish, Brackets, Bars, Set Screws, Tek Screws, Bolts, and Washers

B. RELATED SECTIONS:

1. Master Format™ 2004 Section 07 41 13: Preformed Metal Roofing
2. Master Format™ 2004 Section 07 60 00: Flashing and Sheet Metal
3. Master Format™ 2004 Section 07 40 00: Metal Roof Panels
4. Master Format™ 2004 Section 07 61 01: Sheet Metal Roofing

1.2 SYSTEM DESCRIPTION:

A. COMPONENTS:

1. SnoCleaT System consisting of heavy-duty extruded aluminum one-piece clamps and extruded 6063-T5 aluminum SnoCleaT and Brackets.
2. Set screws to be "cup tipped", Stainless Steel, 3/8" diameter, torqued to 90 in/lbs.
3. Bracket to be attached to clamp with 1 3/8" threaded top-mount bolt w/ washer, torqued to 100 in/lbs.
4. SnoCleaT to be attached to bracket with two (2) corrosion protected #10 tek screws.

B. DESIGN REQUIREMENTS:

1. SnoCleaT must be used at every roof seam in roof areas in staggered formation.
2. Snow retention system should have a minimum performance of 500# per clamp without deflection and 500# per clamp without significantly damaging the roof panel.
3. Based on snow load, climatic conditions, length of roof panel and width of panel; multiple rows of SnoCleaT may be needed.
4. Provides snow retention without voiding roof panel warranty.

C. METAL ROOFING AND SUBSTRATE CRITERIA:

1. Metal roofing must be a minimum of 24 Ga. Steel.
2. All loads incurred by the SnoCleaT will be transferred to the panels; therefore, proper panel attachment to substrate/structure is necessary to prevent roof panels from sliding under snow load. It is important to design new structures or assess the existing structure to make sure 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:

Action Manufacturing, LLC
 Exclusively Distributed by
 IceBlox, Inc. d.b.a.
 Snoblox-Snojax

Phone:
 (800) 766-5291
 (717) 737-4398

Fax:
 (800) 634-7906
 (717) 697-6141

Online:
 www.snoblox-snojax.com
 support@snojax.com

Warehouse:
 671 Willow Street
 Lemoyne, PA 17043

2.2 MATERIALS:

A. Clamps:

1. Extruded 6063 – T5 Aluminum one-piece clamps used at every roof seam
2. Stainless Steel Components
 - a. 1 1/4" x 3/8" threaded cupped nose set screws. Round nose set screws not permitted.
 - b. 3/8" threaded top-mount bolt w/ washer

B. SnoCleaT: Specify an extruded 6063-T5 aluminum SnoCleaT in mill finish.

C. Bracket: Extruded 6063 – T5 Aluminum

2.3 FINISH:

A. 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 SnoCleaT.

3.2 INSTALLATION:

- A. Comply with architectural drawings for location and with Manufacturer’s instructions for assembly and installation.
- B. Clamps must be used at every roof seam in staggered rows.
- C. All Set Screws torqued to 90 in/lbs. and rechecked annually
- D. All top mount bolts torqued to 100 in/lbs. and rechecked annually
- E. Refer to manufacturer’s installation instructions

3.3 WARRANTY

A. SnoCleaT systems shall include free limited lifetime warranty on parts and finish for all systems following manufacturer’s spacing/ installation recommendations.