



SnowMax – Membrane Fence-Style Specification Sheet

Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. SNOWMAX-MEMBRANE-1.5 snow guard that attaches directly to roof deck.
2. Coordinate with installation of roof to assure proper placement of snow guards.
3. Provide appropriate fasteners for roof system.

B. RELATED SECTIONS

1. Section 07600: Flashing and Sheet Metal.	MasterFormat 2016 07 60 00
2. Section 07500: Membrane Roofing.	MasterFormat 2016 07 50 00
3. Section 077253: Snow Guards.	MasterFormat 2016 07 72 53

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

Bracket: Aluminum mounting bracket with dovetail shape to interface with SNOWMAX-LITE-BAR, two thru holes to accept 5/16" base plate studs, and 3/8" tapped hole to accept stainless steel flange bolt that secures bar to mounting bracket.

1. SMX-2" BRKT-AL
2. B-FL SS-.375-16X.562

Base: Stainless steel base plate with two 5/16"-18 stainless steel hex nuts and two 5/16" diameter bonded stainless steel and neoprene washers for attaching mounting bracket to base plate.

3. EF-65-BASE-SS
4. W-NEO SS-.313
5. N-HX SS-.3125-18

Bar: Aluminum bar (8' length) that attaches to mounting bracket via dovetail and flange bolt. It contains a 2" tall slot for optional color insert strip.

6. SNOWMAX-LITE-BAR
7. SNOWMAX-COLOR INSERT (OPTIONAL)

Flashing: Target patch of appropriate size, material and method of installation to meet roof manufacturer's requirement for proper flashing.

8. TARGET PATCH FLASHING (Customer Supplied)

Fasteners:

- a. To be of metal compatible with snow guards.
- b. Fasteners should be selected for compatibility with roof deck.
- c. Fastener strength should exceed or be equal to that of snow guard system.

B. DESIGN REQUIREMENTS:

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 6 fasteners per snow guard base plate.
3. It is important to design new structures or assess existing structures to make sure they can withstand retained snow loads.

1.3 SUBMITTAL

- A. Submit manufacturer's specifications, standard detail drawings, installation instructions, and recommended layout.



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1.4 QUALITY ASSURANCE

A. Installer to be experienced in the installation of specified roofing material and snow guards for not less than 5 years in the area of the project.

1.5 DELIVERY / STORAGE / HANDLING

A. 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. Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.
289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | www.alpinesnowguards.com

2.2 MATERIALS

1. SNOWMAX-MEMBRANE-1.5 – 6000 Series Aluminum
2. B-FL SS-.375-16X.562 – Stainless Steel Bolt
3. EF-65-BASE-SS – 11 Gauge 304 Stainless Steel with two.313-18 Stainless Steel bolts welded into countersinks
4. N-HX SS-.3125-18 – Stainless Steel hex nut .313-18
5. W-NEO SS-.313 – Stainless Steel bonded washer .313
6. SNOWMAX-LITE-BAR – 6000 Series Aluminum
7. SNOWMAX-COLOR INSERT – .032 Aluminum
8. TARGET PATCH FLASHING – (Follow roof manufacturer's specifications)

2.3 FINISH

A. Mill Finish – standard

PART 3 – EXECUTION

3.1 EXAMINATION

A. Substrate

1. Inspect structure on which the brackets are to be installed and verify it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards' products.
2. Verify roofing material has been installed correctly prior to installing snow guards.

3.2 INSTALLATION

A. Comply with architectural drawings and snow guard manufacturer's recommendations for location of system. Comply with manufacturer's written installation instructions for installation and layout.

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