



Rocky Mountain Snow Guards Inc

ROCKY MOUNTAIN SNOW GUARDS
4231 S NATCHES CT., UNIT C
ENGLEWOOD, CO 80110
PHONE: (720) 379-7756
FAX: (720) 387-8361
www.rockymountainsnowguards.com

DRIFT SOLAR SNOW FENCE SYSTEM

AVAILABLE MATERIALS:

- ALUMINUM
- POWDER COATED ALUMINUM



INFORMATION:

- 12" tall 4-pipe design ensures no snow slips past snow fence
- Reverse mountain creates a "catch basin" for snow
- Ice screen option is available
- Excellent Choice for:
 - Solar panels installed on asphalt shingles

EXAMPLES:





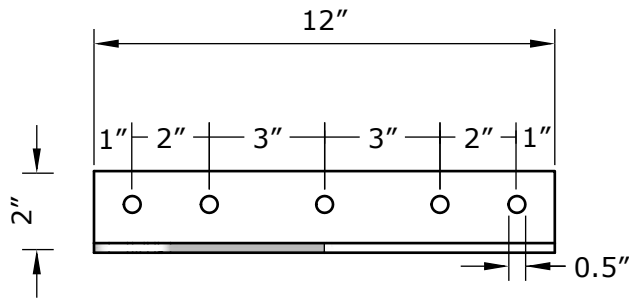
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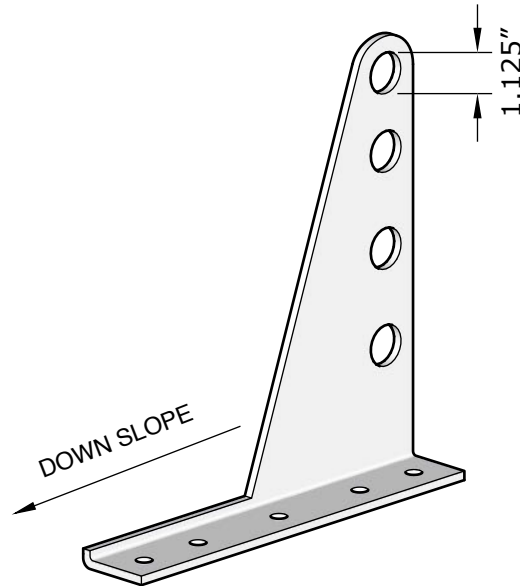
DRIFT SOLAR

SELECT DESIRED MATERIAL:

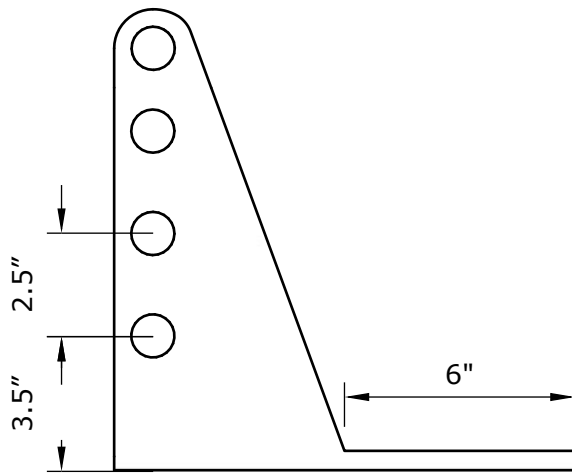
- COPPER - 48 OZ
- PAINTED ALUMINUM - 0.25"



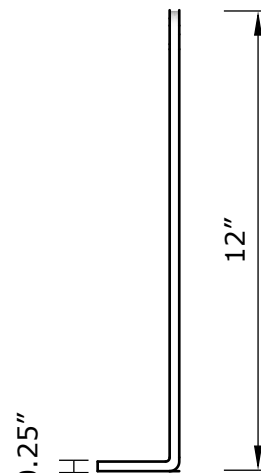
TOP VIEW



ISOMETRIC VIEW



FRONT VIEW



SIDE VIEW

MANUFACTURER NOTES:

1. CONTACT MANUFACTURER FOR SPECIFIED LAYOUT PATTERN.
2. FOR CUSTOM MATERIALS CONTACT MANUFACTURER.
3. OTHER SIZES ARE AVAILABLE ON A CUSTOM BASIS.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.

DRIFT SOLAR SNOW GUARD



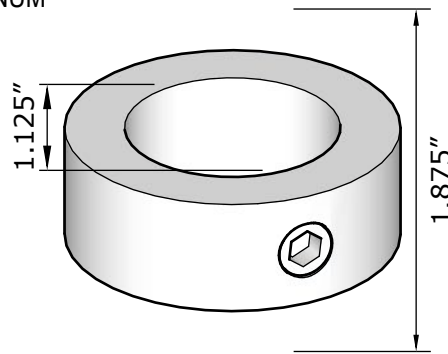
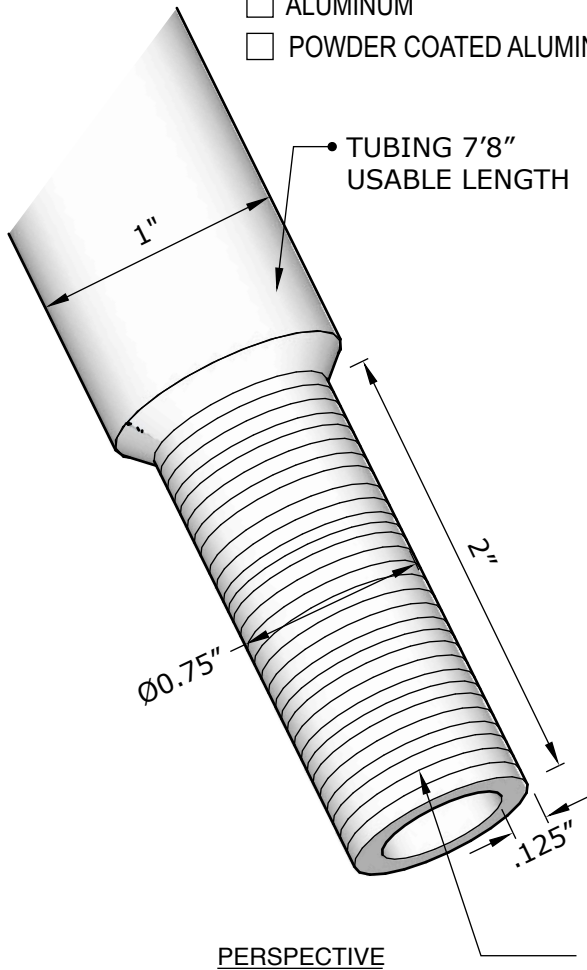
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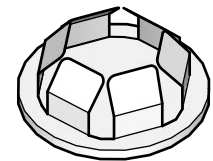
ALUMINUM SNOW FENCE COMPONENTS

SELECT DESIRED MATERIAL:

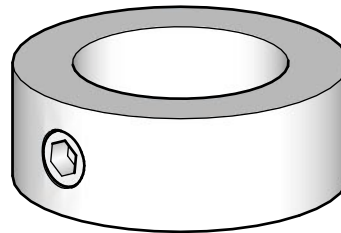
- ALUMINUM
- POWDER COATED ALUMINUM



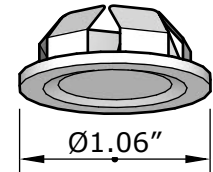
TOP VIEW
END COLLAR



TOP PERSPECTIVE
END CAP



PERSPECTIVE
END COLLAR



BOTTOM PERSPECTIVE
END CAP

SHOWN WITH SWAGED END TO
CONNECT TO TUBES - OVERALL LENGTH 7'10"
ALTERNATE: 7'8" TUBING WITH SEPARATE INTERNAL COUPLER

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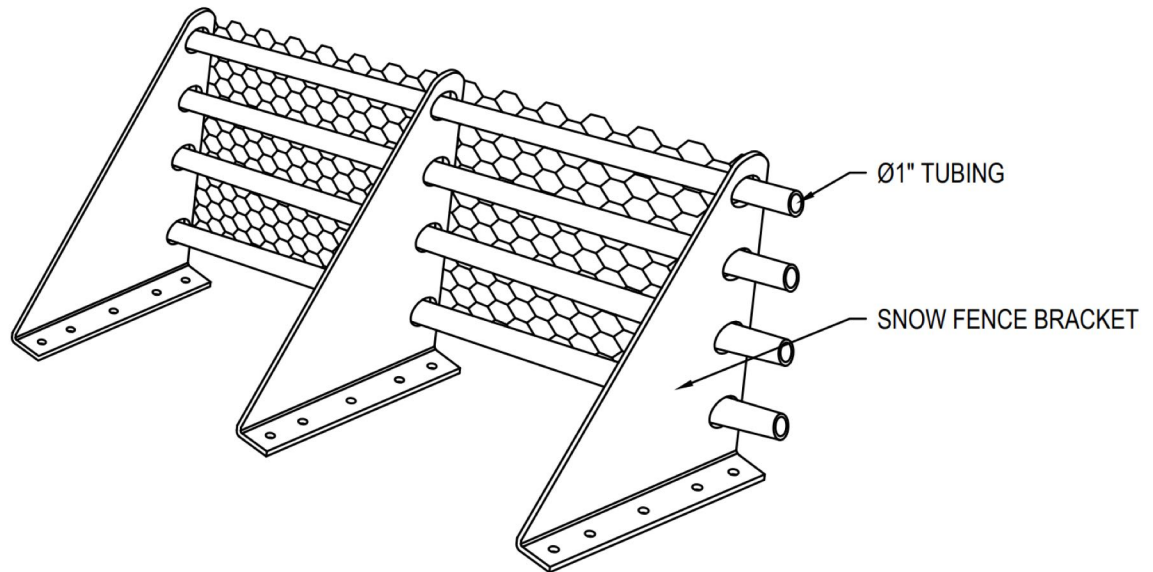
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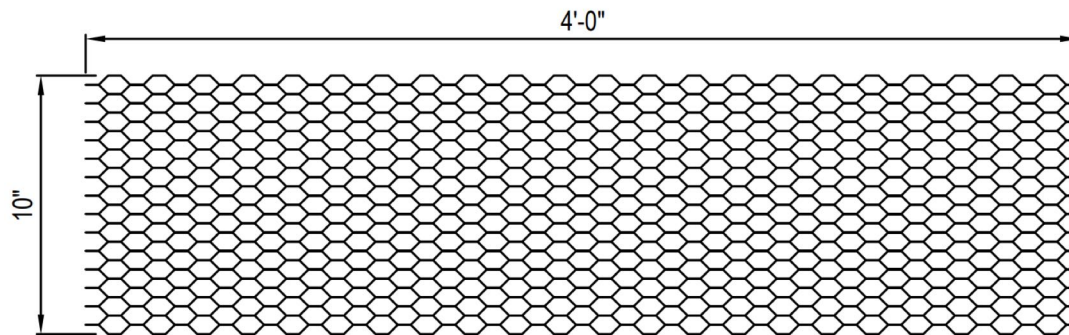
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ICE SCREEN - SNOW FENCE SYSTEM ACCESSORY



ISOMETRIC VIEW



FRONT VIEW

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3. OTHER SIZES ARE AVAILABLE ON A CUSTOM BASIS.
4. MANUFACTURED OF EXPANDED T6061 ALUMINUM.

NOTES:

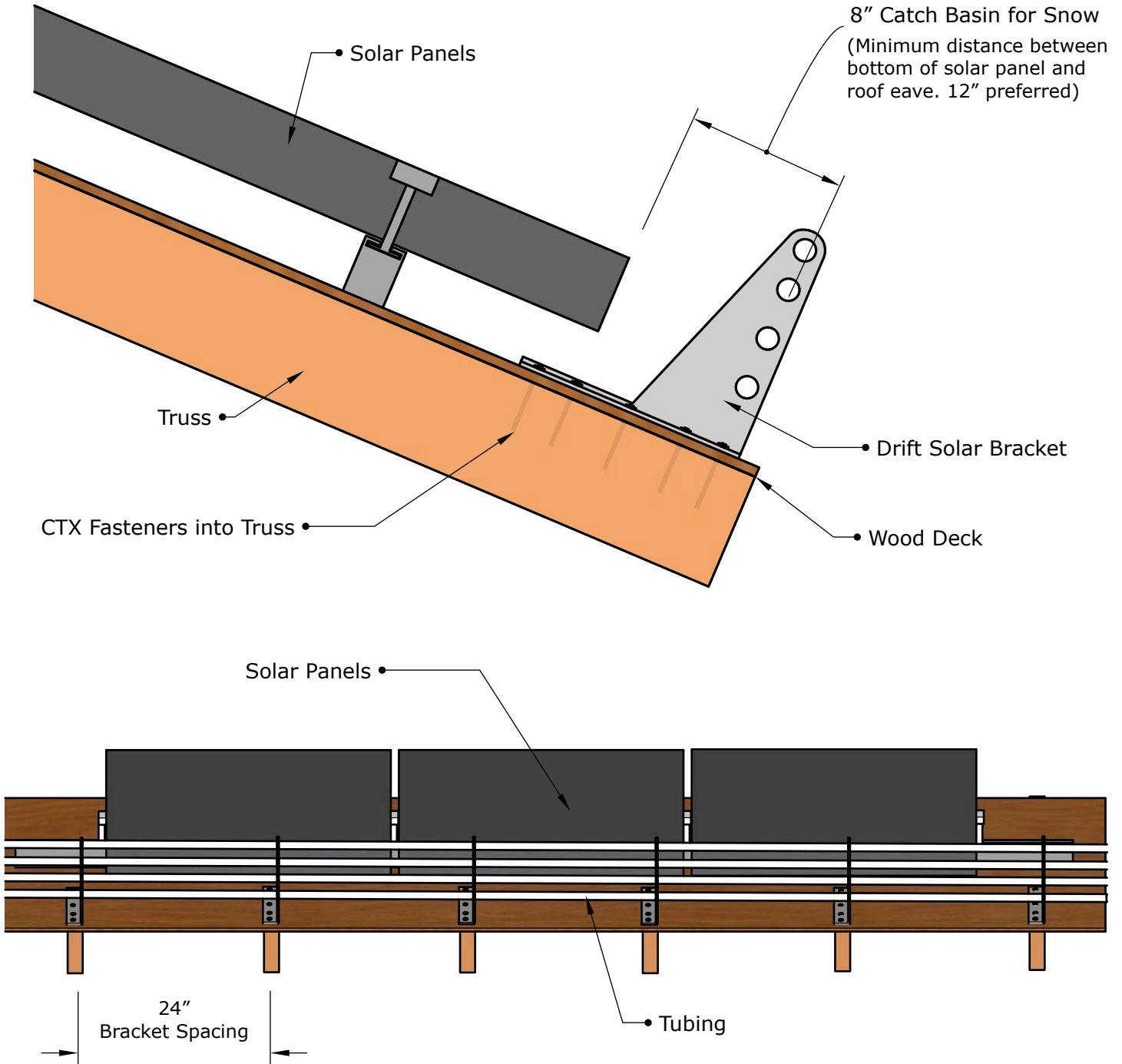
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DRIFT SOLAR INSTALLATION INSTRUCTIONS



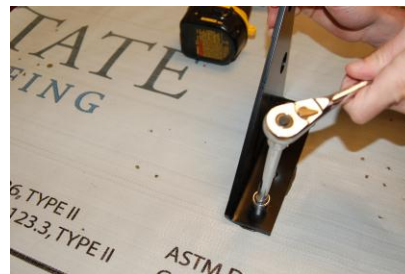
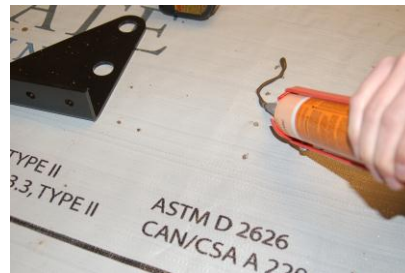


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L-Bracket Installation Instructions

- 1) Obtain the appropriate fasteners for your particular installation. Contact Rocky Mountain Snow Guards or a structural engineer for recommendations.
- 2) Mark the location of each L-Bracket based on layout recommended by Rocky Mountain Snow Guards. Drift brackets can be installed on top of existing asphalt and metal shingle and metal panel roofs.
- 3) Pre-drill holes through the roof deck and into the supporting structure. Use the L-Bracket base as a template for determining fastener locations. If the bracket base spans 2 courses of asphalt shingles, the tab on the upper course should be removed to provide a flat fastening surface.
- 4) Apply appropriate sealant to the bottom of each L-Bracket. Apply enough sealant for each fastener to be sufficiently sealed.
- 5) Fasten each L-Bracket with the appropriate number and type of fasteners.
- 6) Flash appropriately or seal fastener heads in accordance with compatibility to specific roofing materials.



Drift Series Bolt Down Bracket Specification Sheet

PART 1-GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. Drift II, III, III+ or Drift Solar - two, three or four pipe snow brackets.
2. Provide appropriate snow bracket and snow bracket accessories for the roofing system.

B. RELATED SECTIONS

1. Section 07600 Flashings and Sheet Metal
2. Section 7 Thermal and Moisture Protection

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. Drift Series- bolt down snow fence brackets.
2. Tubing
3. Tubing Couplers
4. Tubing Caps
5. Tubing Collars
6. Ice Stops

B. DESIGN REQUIREMENTS

1. Bracket and row spacing to be determined by manufacturer or engineer.
2. Structure must be able to withstand snow load held on roof.

1.3 SUBMITTAL

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

1.4 QUALITY ASSURANCE

- A. Installer to be experienced in the installation of roofing materials and snow retention products.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Material to be inspected upon delivery for damage and stored in a safe, dry location prior to installation.

PART 2 - PRODUCTS

2.1 MANUFACTURER:

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2.2 MATERIALS

A. Aluminum System:

- i. Drift Series snow fence brackets are extruded 6061-T6 aluminum.
- ii. Tubing is 6061-T6 aluminum with 1" outside diameter and .0125 wall thickness.
- iii. Tubing Couplers are 6061-T6 Aluminum shaft with stainless washers and tightening bolts, nylon slip washers and rubber expansion washers.
- iv. Tubing Caps are 302 stainless steel
- v. Tubing Collars are 6061-T6 aluminum with stainless steel set screws.
- vi. Ice Stops are 601-T6 aluminum with stainless fasteners.
- vii. Ice Screen is 0.125 expanded aluminum

B. Copper System:

- i. Drift Series snow fence brackets are solid 0.25" thick copper
- ii. Tubing is 1" outside diameter copper tubing reinforced with 0.75" x .0125 wall thickness powder coated steel tubing.
- iii. Tubing Couplers are 3" x 1.25" outside diameter copper.
- iv. Tubing Caps are copper.
- v. Ice Stops are 0.125" x 3" wide copper.
- vi. Ice Screen is 0.125" expanded aluminum.

2.3 MATERIAL FINISH

- A. All materials are mill finish. Powder coating is available on aluminum system but not required as all parts are either aluminum or stainless steel.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify structure will accommodate ground snow loads and drifting loads present at the job site.
- B. Verify that attachment of the metal roofing panels will accommodate the loads incurred by the addition of the snow retention system

3.2 INSTALLATION

- A. Follow architectural drawings or drawings supplied by manufacturer for location of snow brackets.
- B. Follow manufacturer's installation instructions and layout guide.



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Rocky Mountain Snow Guards Snow Retention System Maintenance Guide

Systems designed by Rocky Mountain Snow Guards, installed properly should last the life of the roof. Rocky Mountain does not recommend adhesive tape or sealant attachment for any snow fence or snow guard system. Rocky Mountain snow retention systems installed on commercial buildings, above high traffic areas or in areas with high snow loads should be inspected by a qualified roofing or snow retention professional on an annual basis to ensure the system will continue to perform as designed.

Bolt Down Snow Fence Systems:

1. Inspect brackets, snow fence components and fasteners for evidence of damage.
2. Replace damaged parts prior to the next snow season.

Clamp to Seam Snow Fence and Snow Bar Systems:

1. Inspect brackets, snow fence and snow bar components for evidence of damage.
2. Replace damaged parts prior to the next snow season.
3. Check torque on set screws with an appropriate torque wrench.
4. Torque set screws to recommended torque. This is especially important after the 1st snow season.

Snow Guards:

1. Inspect snow guards for evidence of damage.
2. Inspect exposed fasteners.
3. Replace damaged parts prior to the next snow season.