



PD30-CL Polycarbonate Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Flat Seam Metal
- New / Existing Glass Panel
- New / Existing Metal Batten or Snap
- New / Existing Metal Corrugated / Ribbed
- New / Existing Metal Standing Seam

AVAILABLE MATERIALS

- Polycarbonate

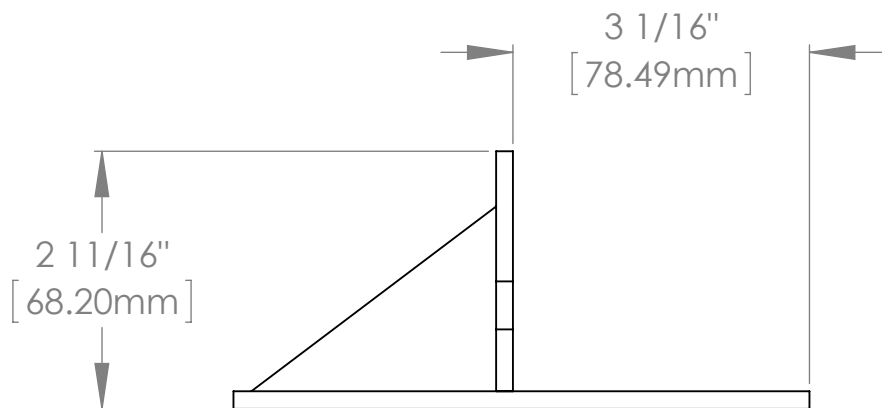
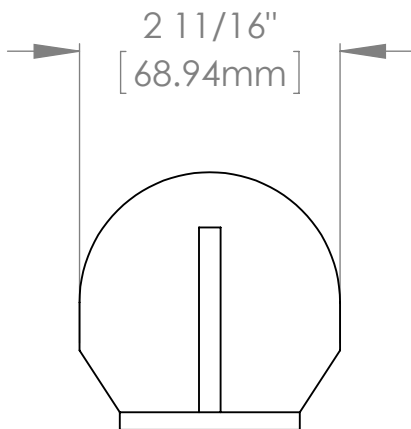
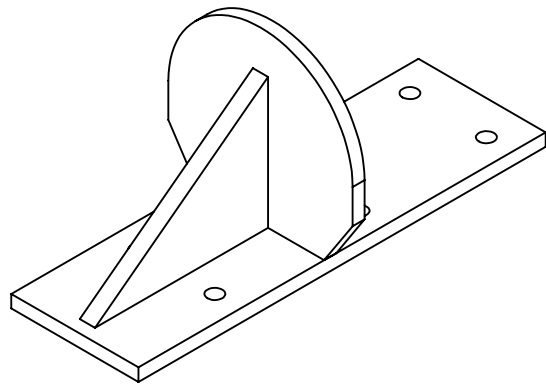
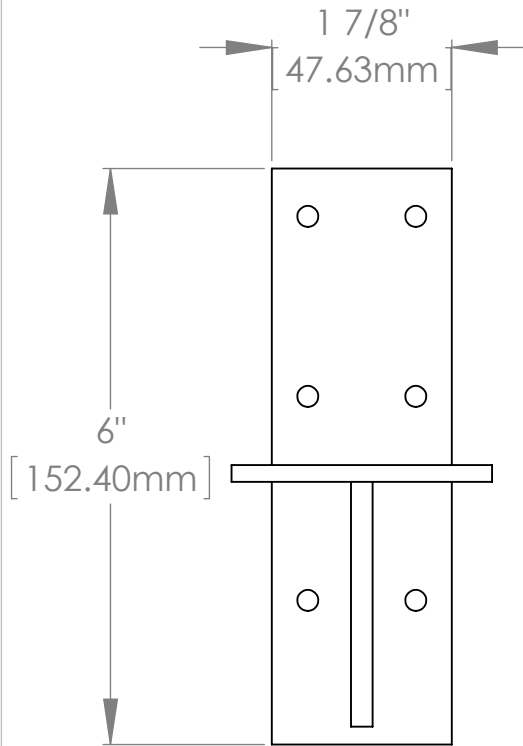
FEATURES/ADVANTAGES

- Measures 6" long x 1-7/8" wide (base) x 2-11/16" tall
- Can be through-fastened with up to 6 fasteners or adhered using a customer supplied adhesive/sealant
- Allows snow and ice to drop off in small amounts or melt completely
- Protects against snow damage at the lower roof level (gutters, valleys, crickets, roof protrusions, plumbing vents, etc) and at ground level (cars, people, landscaping, pets, walkways, ground-mounted mechanical units)



Cut Sheet - PD30-CL

1. Installation to be completed in accordance with manufacturer's written specifications and installation instructions.
2. See spec sheet or contact manufacturer for detailed material, finishes, and configuration options.
3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
5. Subject to change without notice.



Toll Free Phone 1.888.766.4273
Toll Free Fax 1.888.766.9994

Toll Free Phone 1.877.859.3947
Toll Free Fax 1.888.766.9994

289 Harrel Street
Morrisville, VT 05661

Material: See Spec Sheet

Scale: 1:2

3/12/2021

ASG: X

EFS: -



PD30-CL Specification Sheet Snow Guards

Part 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PD30-CL gusseted snow guard attaches directly to roof deck.
2. Coordinate with roof installation to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for roof system.

B. RELATED SECTIONS

- | | |
|---|----------------------------|
| 1. Section 076000: Flashing and Sheet Metal | MasterFormat 2016 07 60 00 |
| 2. Section 073100: Shingles and Shakes | MasterFormat 2016 07 31 00 |
| 3. Section 073200: Roof Tiles | MasterFormat 2016 07 32 00 |
| 4. Section 077253: Snow Guards | MasterFormat 2016 07 72 53 |

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. PD30-CL snow guard system consists of an individual Polycarbonate snow guard.
2. 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. Minimum 2 fasteners per snow guard.
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.

1.4 QUALITY ASSURANCE

- A. Installer to be experienced in 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.



PD30-CL Specification Sheet Snow Guards

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

A. Clear, UV stabilized Polycarbonate

2.3 FINISH

A. Clear – standard

Part 3 – EXECUTION

3.1 EXAMINATION

A. SUBSTRATE

1. Inspect structure on which snow guard system is to be installed and verify it will withstand any additional loading 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

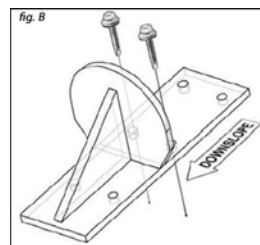
A. Comply with architectural drawings and snow guard manufacturer's recommendations for location of system. Comply with manufacturer's written installation instructions for installation and layout.

Document Version 09.22.2022
07 72 53 Snow Guards

PD30-CL Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Flat Seam Metal
- New / Existing Glass Panel
- New / Existing Metal Batten or Snap
- New / Existing Metal Corrugated / Ribbed
- New / Existing Metal Standing Seam



Select option below that best applies to your project / installation.

Mechanically Fastened (*Alpine SnowGuards' preferred installation method*)

- Use an appropriate waterproofing sealant under the snow guard.
- Place two of the appropriate fasteners through the snow guard, through the roof panel and into a structural roof component. (fig. B).

Adhesive Caulking*

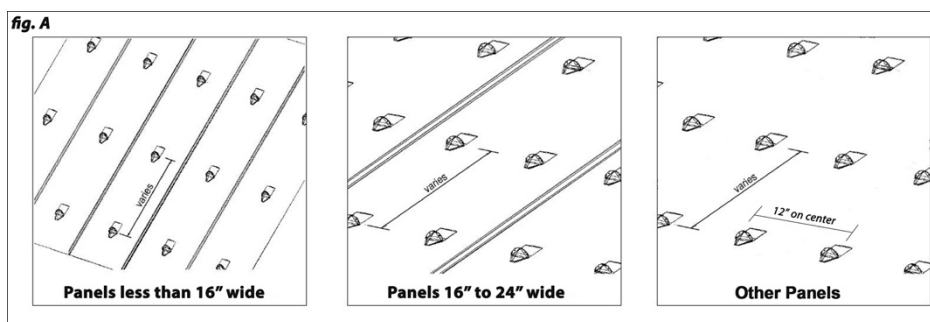
(Refer to adhesive manufacturer's published instructions for preparation, installation and curing periods)

*Alpine SnowGuards does not warrant the use of adhesives for installing snow guards.

- Prepare the area where the snow guard is to be installed (clean the roof with Isopropyl alcohol).
- Scuff the underside of the snow guard with 80 grit sand paper until all gloss is removed.
- Apply a thin film of adhesive caulking 5mm to the underside of the snow guard.
- Place snow guard on panel and apply pressure. Tool off excess adhesive from around the snow guard and from the top of the snow guard.

SNOW GUARD LAYOUT OPTIONS FOR METAL ROOFS

Vertical spacing and the number of rows needed are determined by the installation method, the distance eave to peak, the roof pitch and the ground snow load (psf).



You can calculate the layout for your project by utilizing [Alpine SnowGuards' calculator](#).

If you have any questions, or need to speak with someone regarding a project-specific layout, please contact us at 888-766-4273.

Document version 03.14.2023
07 72 53 SNOW GUARDS



Snow Guard Maintenance

Our snow guards must be inspected annually. Any defects or damage in materials and/or workmanship must be reported to Alpine SnowGuards immediately. Seller will not be responsible for snow guard systems that have not been properly maintained.

- Ensure snow guard brackets, accessories & components are intact, have not been displaced, and show no signs of damage or wear.
- Inspect fasteners into roof deck.
- Inspect snow guard-related waterproofing and replace or repair where necessary to ensure roof integrity.
- Snow accumulation on roofs and rooftop solar panels must be removed to avoid damage to the roof or panels, the building structure, and anything below. Heavy snowfalls, drifting, and the gradual accumulation of snow and ice can lead to less-than-ideal snow guard performance.
- Check each clamp set screw with a torque wrench to ensure proper fastening has been maintained (clamp-to-seam models).
- Inspect sealant, tape, and adhesive. Remove and replace as needed.

Document Version 04.15.24