

PD30R Half Round Pad-Style Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Synthetic Slate and Shake shingles with <6" exposure
- F-Wave Revia Shingles

AVAILABLE MATERIALS

- Aluminum (AL)
- Copper (CU)

AVAILABLE FINISHES

- Pre-Painted Kynar® Stock Colors

FEATURES/ADVANTAGES

- Pad area is 2 7/16" L x 2 3/8" W (at widest point) x 1 1/2" H
- Strap length is 3 15/16" L
- 2" strap sleeve covers fasteners
- Allows for easy counter flashing of mechanical attachment points
- Sleeve slides down strap to cover fasteners
- 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 - PD30R

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.
6. For patent information, visit our [Patent Page](#).

Available Materials

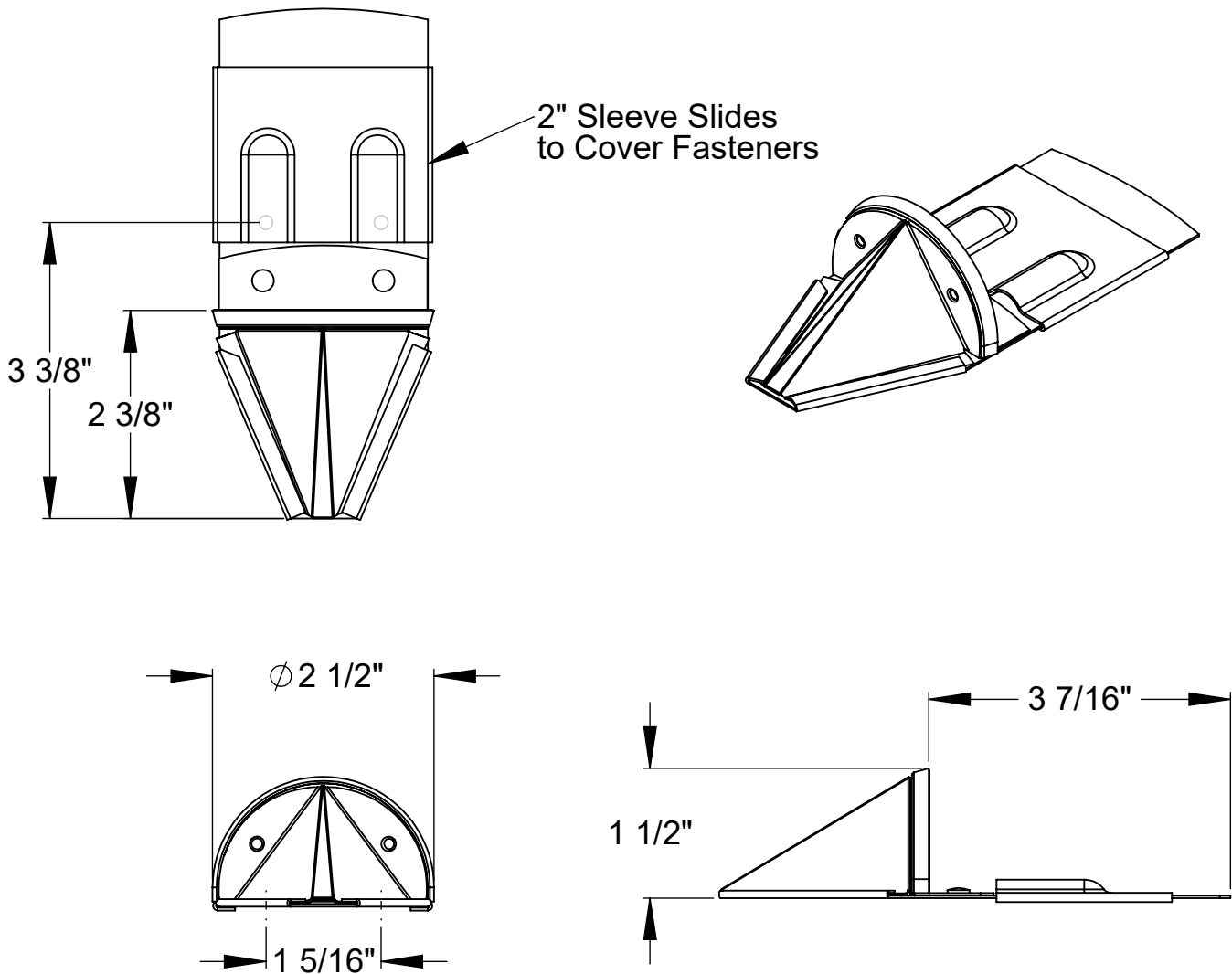
- Aluminum
- Copper

*Some materials may have a 3rd button connecting cap and gusset to strap

Available Finishes

- Mill Finish (Standard)
- Pre-Painted Aluminum

(Firestone UnaClad Kynar Color: _____)



289 Harrel Street
Morrisville, VT 05661
Phone: 1.888.766.4273
Fax: 1.888.766.9994
Email: Info@alpinesnowguards.com

Scale: 1:2

2/22/2024

PD30, PD30Z, PD30R, PD300F-CU and PD300FZ-CU Specification Sheet Snow Guards

Part 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PD30, PD30Z, PD30R, PD300F-CU, and PD300FZ-CU gusseted snow guards attach 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 and PD300F-CU Snow guard systems consist of individual metal snow guards.
2. PD30Z, PD30R and PD300FZ-CU Snow guard systems consist of individual snow guard with metal sleeve.
3. 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 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, PD30Z, PD30R, PD300F-CU and PD300FZ-CU 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. Copper – Strap, cap and gusset are 16 oz copper. Fleur-de-lis embellishment is *only* available in copper and has a minimum material thickness of .040
- B. Lead-Coated Copper – 16 oz lead-coated copper. (excludes PD30R)
- C. Aluminum – .032 aluminum.
- D. Freedom Gray™ – 16 oz tin-zinc coated copper. (excludes PD30R)
- E. Rheinzink® – .8mm Rheinzink®. (excludes PD30R)

2.3 FINISH (choose one)

- A. Mill Finish – standard.
- B. Powder Coated – available at additional cost.
(Not available for PD300F-CU and PD300FZ-CU)
- C. Kynar 500® pre-painted coil – aluminum only.
(Not available for PD300F-CU and PD300FZ-CU)

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 02.22.24
07 72 53 Snow Guards

PD30R Snow Guard Installation Instructions

ROOF TYPES

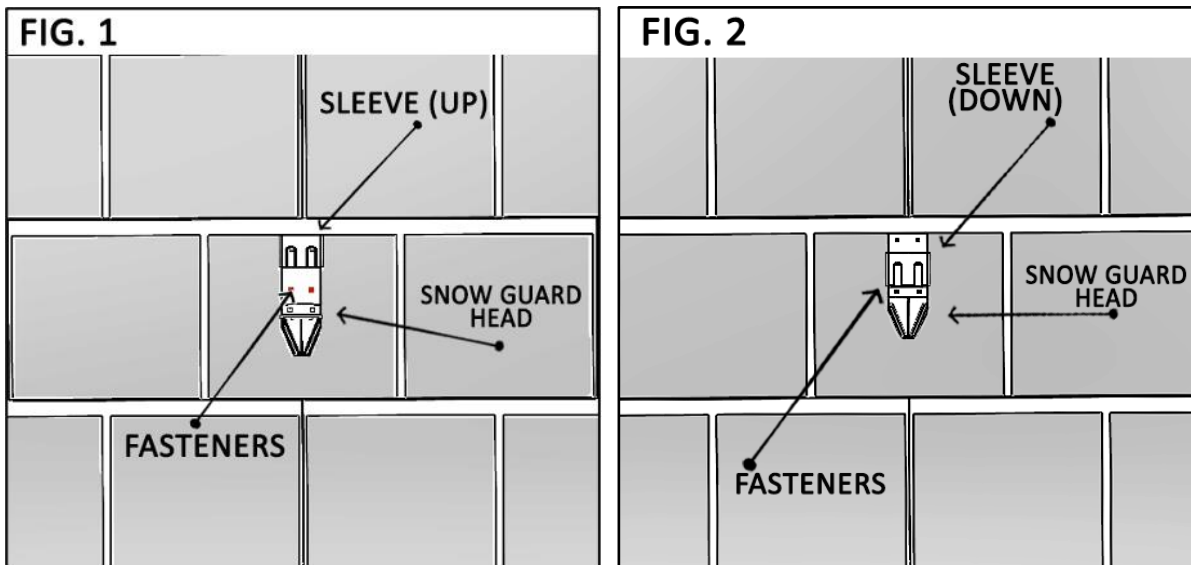
- New / Existing Synthetic Slate and Shake shingles with <6" exposure
- F-Wave Revia Shingles

INSTALLATION

1. Slide sleeve onto snow guard strap with openings facing snow guard head (fig. 1). Apply shingle manufacturers' approved sealant to the underside of the snow guard.
2. Slide sleeve up, exposing two bottom fastener holes. Place snow guard on shingle so that the top of the snow guard head sits 3 times the thickness of the shingle below the upper course of the shingles (minimum of 5/8").
3. Using exposed fastener holes, fasten snow guard to roof deck with appropriate fasteners and apply sealant around them.

Note: Do not overtighten fasteners. This may lift snow guard off roof surface and make it difficult to slide sleeve over fasteners.

4. Slide sleeve down over fastener heads (fig. 2). Remove excess sealant.



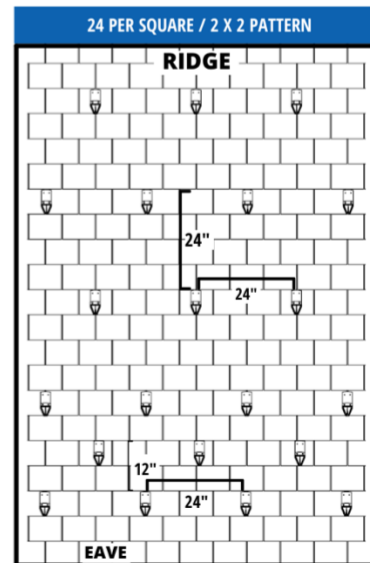
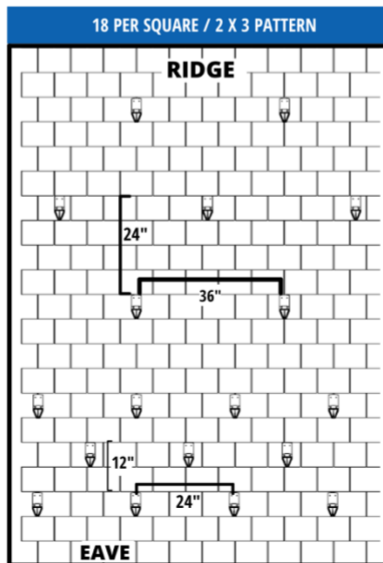
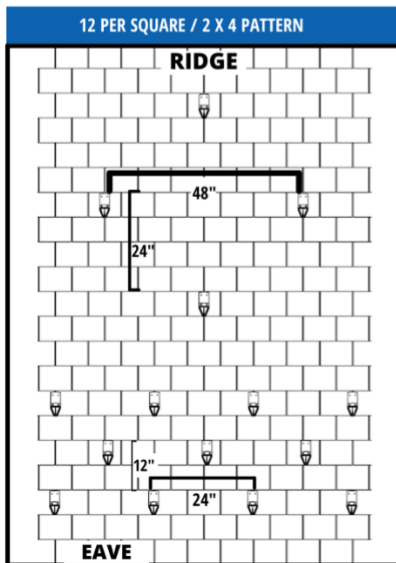
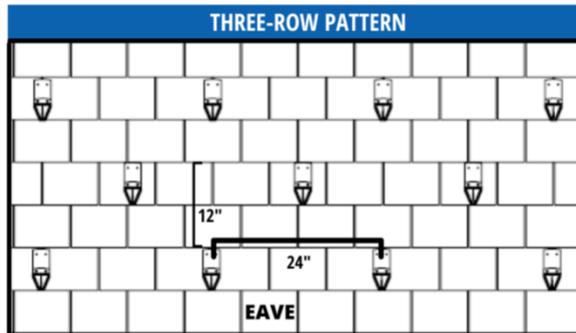
PD30R Snow Guard Installation Instructions

STANDARD SNOW GUARD LAYOUT OPTIONS

IMPORTANT: All layouts begin with a 3-row pattern. Estimated quantities provided include 3-row pattern. If you have any questions, please contact us at 888-766-4273.

Please use the guidelines below to determine appropriate layout for your installation.

PAD LAYOUT GUIDELINES					
Layout	Rafter Length	Ground Snow Load (PSF)	Roof Pitch	Est. Snow Guard QTY.	Spacing
3-Row Pattern	15' or Less	60 psf or Less	16/12 or Less	17 per 10' of Eave	3 rows, 24" on center horizontally with middle row staggered 12"
2 x 4 Pattern	Greater Than 15'	60 psf or Less	16/12 or Less	12 per roofing square	Space rows 2' horizontally and 4' vertically to within 10' of the ridge.
2 x 3 Pattern	Any	61 - 90 psf	16/12 or Less	18 per roofing square	Space rows 2' horizontally and 3' vertically to within 10' of the ridge.
2 x 2 Pattern	Any	91 - 120 psf	16/12 or Less	24 per roofing square	Space rows 2' horizontally and 2' vertically to within 10' of the ridge.



Document version 02.22.24
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

Pre-Painted Kynar® Stock Colors Pad Style Snow Guards and SnowMax Color Insert Strips



UNA-CLAD™ METAL
COLOR SELECTION

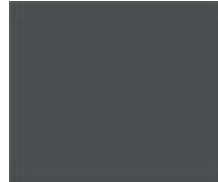
Double-Sided Stock Colors



Colonial Red (51)



Classic Copper (75)



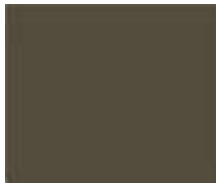
Charcoal Gray (05)



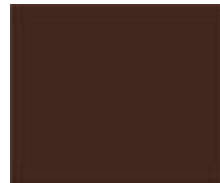
Slate Gray (03)



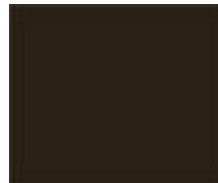
Matte Black (69)



Medium Bronze (66)



Mansard Brown (81)

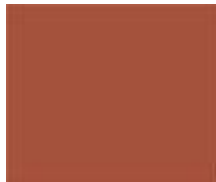


Dark Bronze (57)

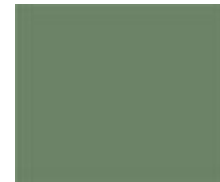


Hartford Green (33)

Single-Sided Stock Colors



Terra Cotta (54)



Patina Green (39)



Hemlock Green (36)



Teal (21)



Brandywine (45)



Dark Ivy (42)



Compatible Pad Style & SnowMax Fence Style Snow Guards

Pad Style: PD10, PD10R, PD11, PD21, PD30, PD30Z, PD40, PD40R, PD41

Fence Style: SnowMax-Corrugated, SnowMax-Standing Seam,
SnowMax-Membrane 1.5 and Solar SnowMax-Universal

Other Pad Style Material Options

Aluminum (AL) Copper (CU) Freedom Gray™ (FG) Lead-Coated Copper (LC) Rheinzink® (ZN)

Mill Finish aluminum pad-style snow guards can also be powder coated with
RAL TIGER Drylac® Exterior Powder Coatings for an additional charge.