

PP215 Pipe-Style Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Membrane (EPDM, TPO, PVC)
- New / Existing Copper Flat Seam

AVAILABLE MATERIALS

- Aluminum Bracket with Stainless Steel Base Plate and Aluminum Accessories (AL) (SS)
- Brass Bracket with Stainless Steel Base Plate and Brass Accessories (BR) (SS)

AVAILABLE FINISHES

- Mill Finish
- Powder Coating (additional charge) using RAL TIGER Drylac® Exterior Colors

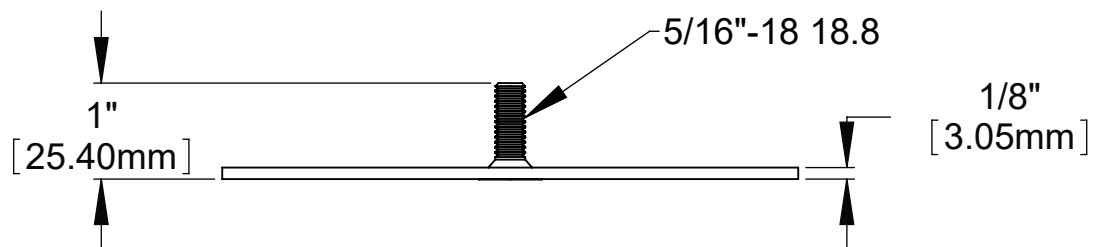
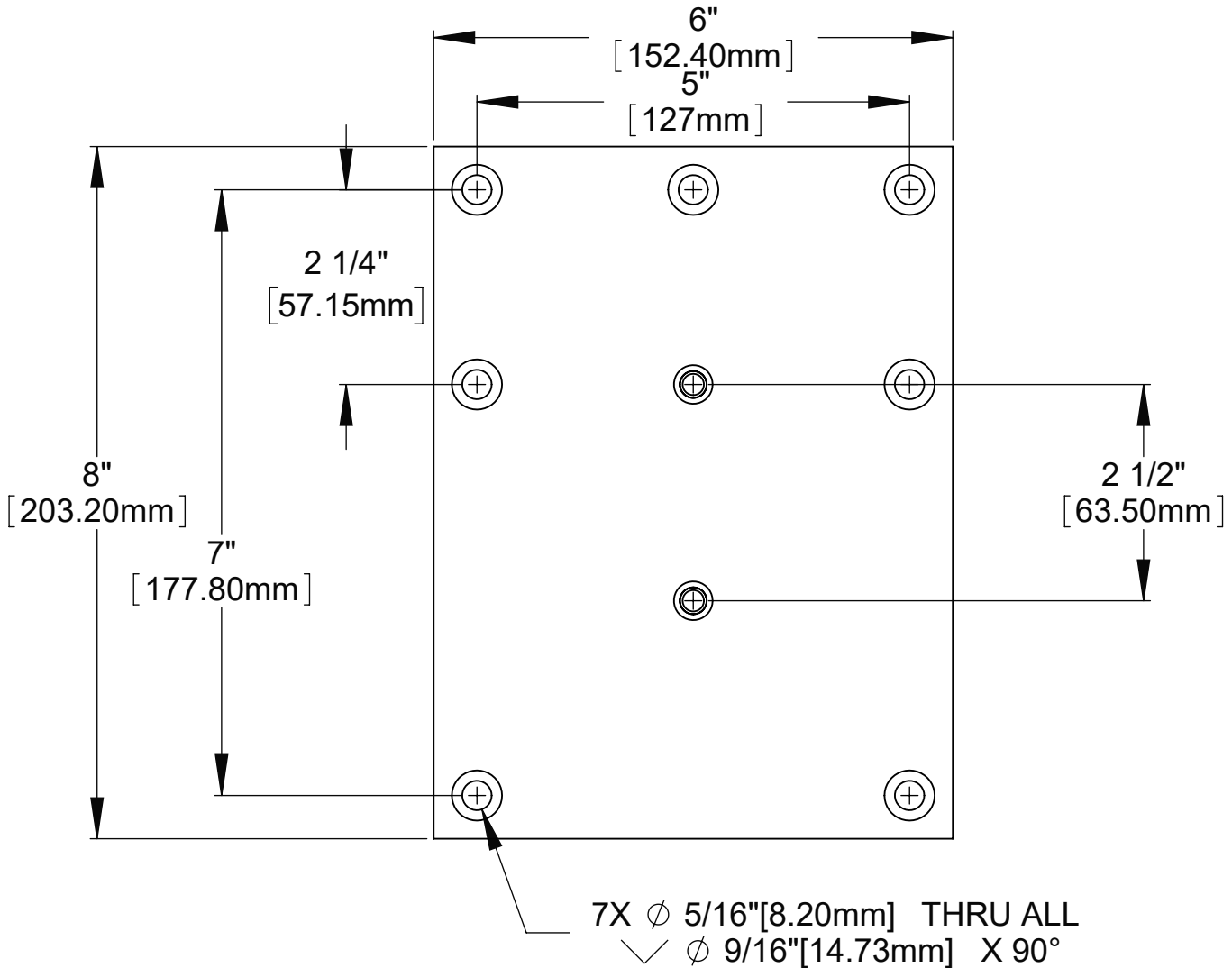
FEATURES/ADVANTAGES

- Height Adjustable - 39° of height adjustability for a customized setting on varying roof pitches
- Bracket is available in Aluminum or Brass
- Base Plate is available in Stainless Steel or Brass
- Bracket measures a substantial 6" L x 1 1/2" W x 8 7/8" H (when extended to tallest, most upright position)
- Base Plate can be flashed with optional compatible target patch
- Accepts 1" OD Pipe (Tubing)
- Compatible with the use of Ice Flags and Ice Screens
- Internal and External Couplings, End Collars and End Caps are available for this system



Cut Sheet - BASE SS 6X8-200

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](#).



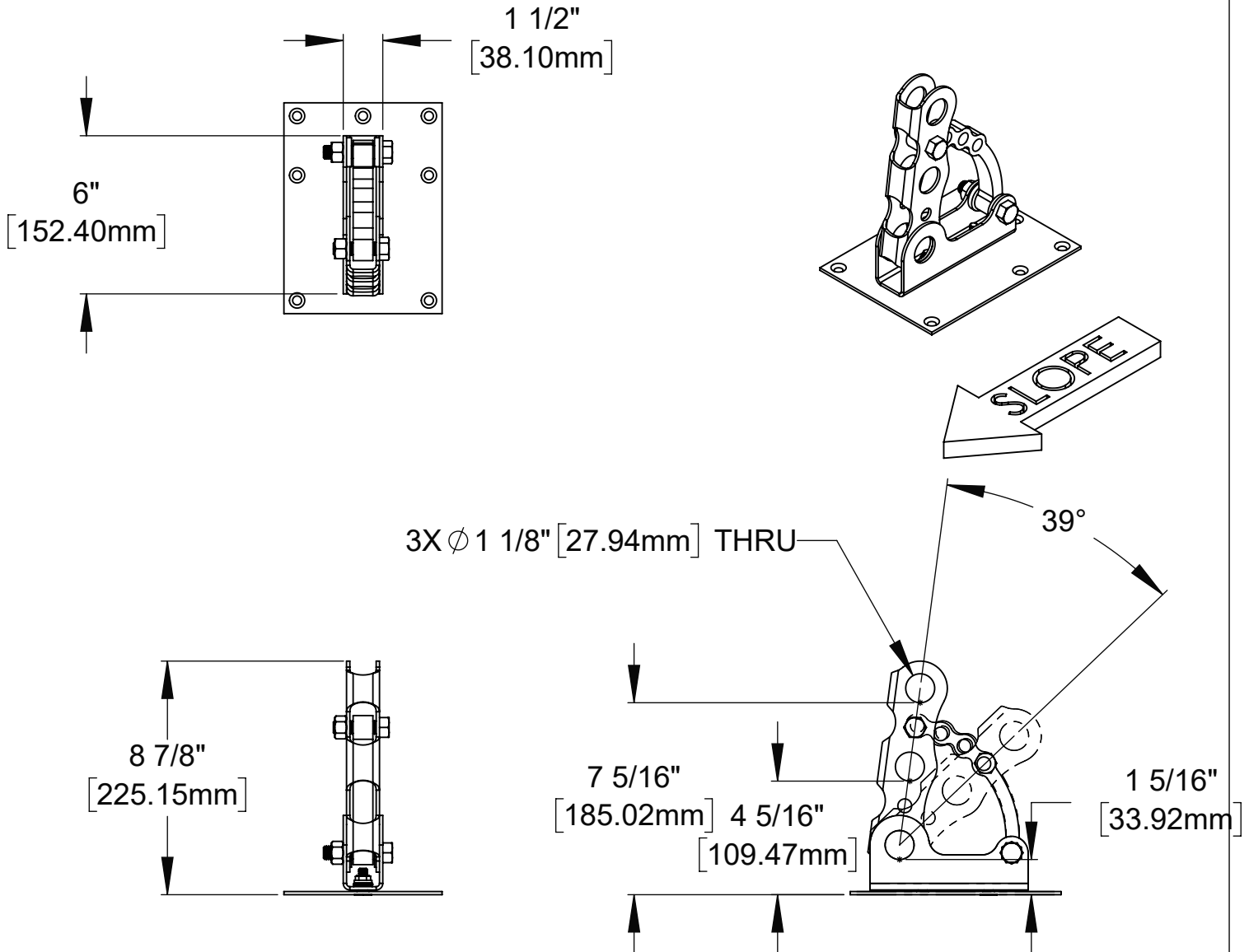
289 Harrel Street
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Phone: 1.888.766.4273
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Scale: 1:2

6/28/2022

Cut Sheet - PP215

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 Bracket,
Stainless Steel Base Plate
- ☐ Brass Bracket,
Stainless Steel Base Plate

Available Bracket Finishes

- ☐ Mill Finish
- ☐ Powder Coated
(Ral Tiger Drylac Powder
Coating Color Code: _____)

Available Flashing

- ☐ PP99-CU
(Copper Flashing)
- ☐ Customer Supplied



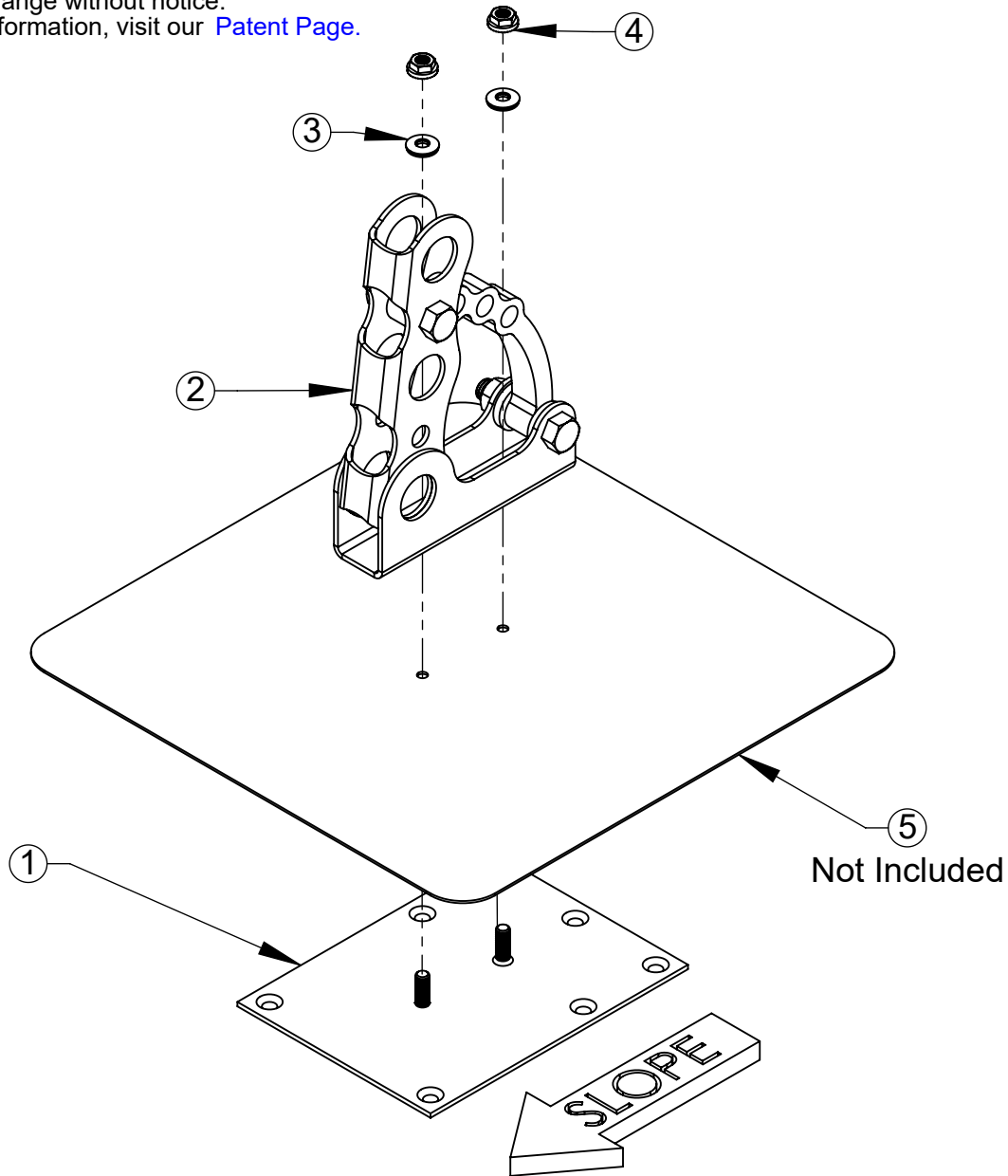
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Scale: 1:6

6/28/2022

Assembly Sheet - PP215

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](#).



ITEM NO.	PART CODE	DESCRIPTION	QTY
1	BASE SS 6X8-200	SS 6X8-200 BASE PLATE	1
2	PP225-UPKIT	225 3PP BRACKET ONLY	1
3	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT GF NEO)	2
4	N-FL SS .313-18	SS FLANGE NUT .313-18	2
5	NOT INCLUDED	TARGET PATCH FLASHING (CUSTOMER SUPPLIED OR PP99-CU)	1



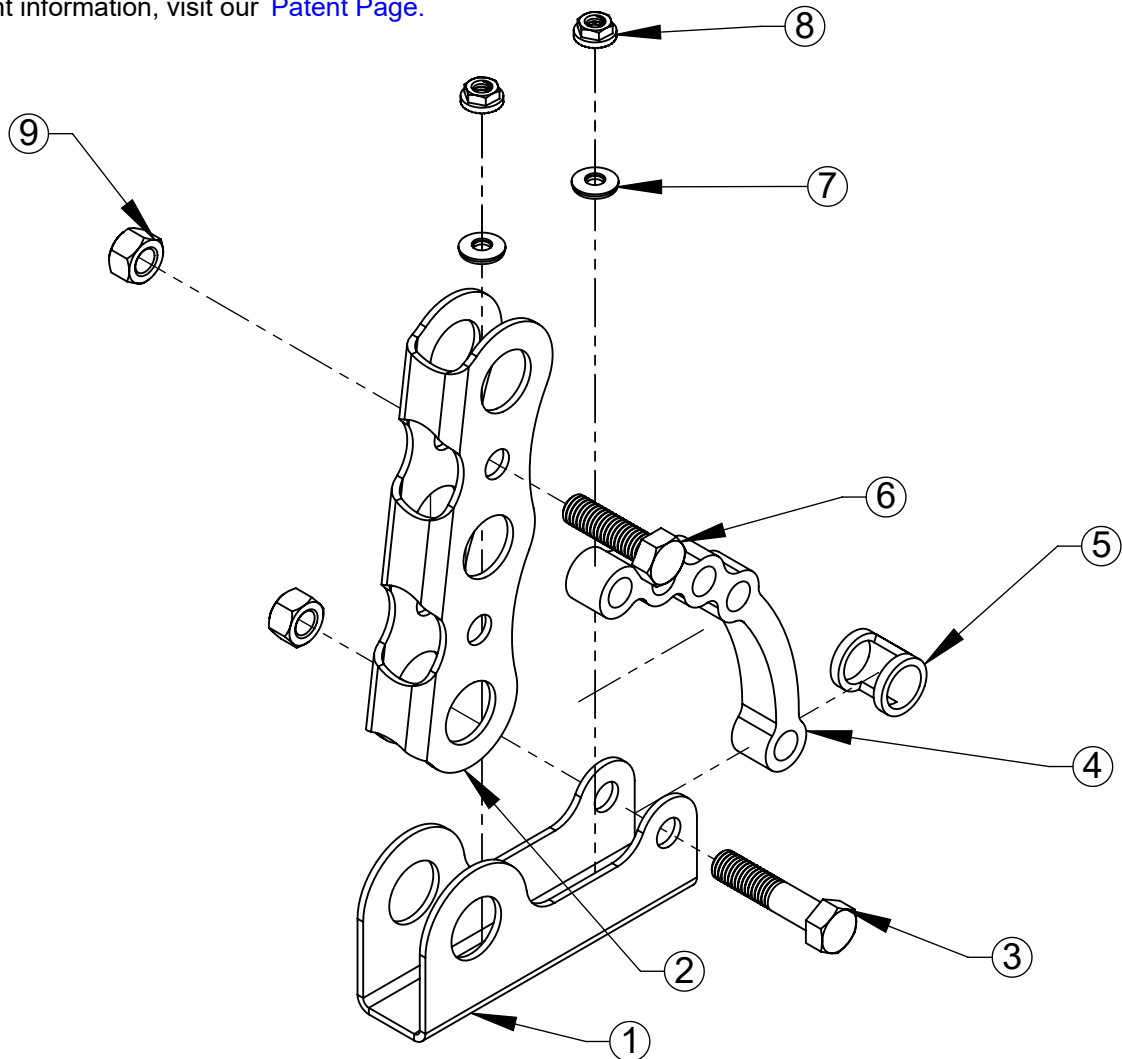
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Scale: 1:4

7/26/2022

Assembly Sheet - PP225-AL-UPKIT

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](#).



ITEM NO.	PART CODE	DESCRIPTION	QTY
1	BASE-PP225-AL	BASE FOR 225 AL UPKIT	1
2	UPRT-PP225-AL	AL 225 UPRIGHT FOR UPKIT	1
3	B-HX SS-.5-13X2.25	SS HEX BOLT .5-13X2.25	1
4	PP225 CONNECT AL	PP225 AL-CONNECTOR	1
5	UNIV SPACER AL-.78	SPACER 1.125 WIDE / .78 GAP-AL	1
6	B-HX SS-.5-13X1.75	SS HEX BOLT .5-13X1.75	1
7	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT GF NEO)	2
8	N-FL SS-.313-18	SS FLANGE NUT .313-18	2
9	N-HX SS -.5-13	SS HEX NUT .5-13	2



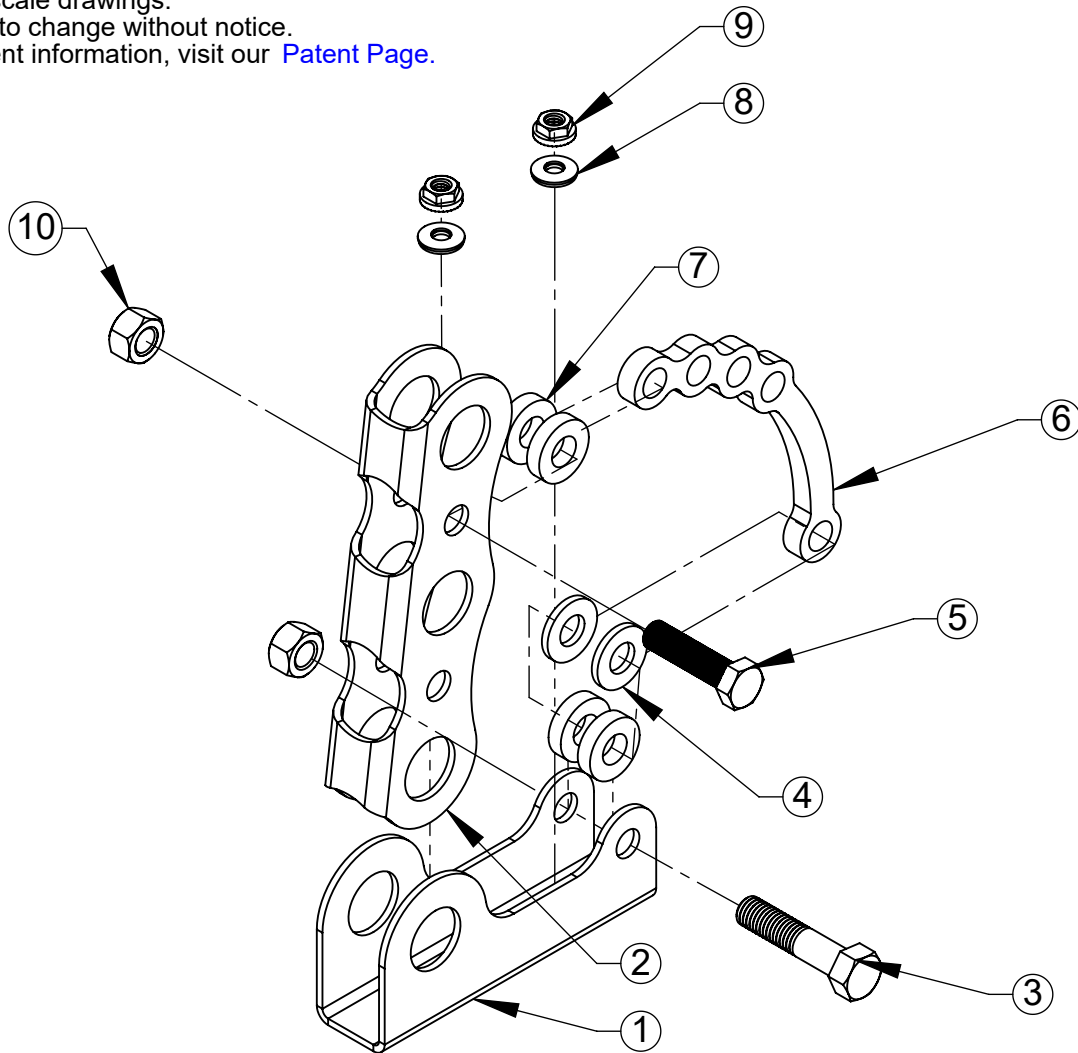
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Scale: 1:3

12/27/2022

Assembly Sheet - PP225-BR-UPKIT

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](#).



ITEM NO.	PART CODE	DESCRIPTION	QTY
1	BASE-PP225-BR	BASE FOR 225 BR UPKIT	1
2	UPRT-PP225-BR	BR 225 UPRIGHT FOR UPKIT	1
3	B-HX BR-.5-13X2.25	BR HEX BOLT .5-13X2.25	1
4	SPACER BR .125IN	BR 1/8" SPACER	2
5	B-HX BR-.5-13X1.75	BR HEX BOLT .5-13X1.75	1
6	PP225 CONNECT BR	PP225 CONNECTOR CAST BR	1
7	SPACER BR .25IN	BR 1/4" SPACER	4
8	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT GF NEO)	2
9	N-FL SS-.313-18	SS FLANGE NUT .313-18	2
10	N-HX BR-.5-13	BR HEX NUT .5-13	2



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Scale: 1:3

12/27/2022



PP215 & PP215R Specification Sheet Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PP215 & PP215R Snow guards that attaches directly the roof deck.
2. Coordinate with installation of to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for the 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 07720: Snow Guards. MasterFormat 2016 07 72 00
4. Division 1: Administrative and procedural requirements.
5. Division 7: Thermal and Moisture Protection.

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

PP215 Snow Guard System: Consists of snow guard bracket and base plate.

1. BASE SS 6X8-200
2. PP225-UPKIT
3. W-NEO SS-.313
4. N-FL SS .313-18
5. TARGET PATCH FLASHING (CUSTOMER SUPPLIED OR PP99-CU)

PP215R Snow Guard System: Consists of snow guard bracket, base plate and ferrule.

1. BASE SS 8X8-200R
2. PP225-UPKIT
3. W-NEO SS-.313
4. N-FL SS-.313-18
5. TARGET PATCH FLASHING (CUSTOMER SUPPLIED)
6. FERRULE

B. ACCESSORIES

1. PP75, tubing
2. Couplings
 - a. PP84, external
 - b. PP86, internal
3. PP56, end caps
4. PP65, end collars
5. Ferrules – use with PP215R system
6. PP95, ice flags, optional
7. 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.
8. Target Patch of appropriate size and material and method of installation to meet roof manufacturer's requirement for proper flashing.



PP215 & PP215R Specification Sheet Snow Guards

C. DESIGN REQUIREMENTS

1. Spacing to be recommended by manufacturer or building engineer.
2. Install a minimum of 6 fasteners (8 with PP215R) 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.

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

- A. Snow Guard Bracket - 5000 Series Aluminum.
- B. Base Plate - 11 gauge thick 304 Stainless Steel with two 5/16" 304 stainless steel machine screws welded into countersinks.
- C. PP75, tubing (choose one):
 1. Aluminum – 6000 Series, 1" outside diameter and .120" wall thickness, extruded.
 2. Stainless Steel – 304 alloy, same dimensions as aluminum, welded.
- D. PP84 and PP86, external and internal couplings (choose one):
 1. Aluminum – 6000 Series
 - a. Internal and concealed coupling 3" long.
 - b. External and exposed coupling which can also serve as a 5" long expansion mechanism.
 2. Stainless Steel – 304 Series
 - a. Internal and concealed coupling 3" long.
 - b. External and exposed coupling which can also serve as a 5" long expansion mechanism.
- E. PP56, end caps - 304 Stainless Steel.
- F. PP65, end collars (choose one)
 1. 6000 Series Aluminum.
 2. 304 Stainless Steel.
- G. Ferrules – use with PP215R system - 6000 Series Aluminum 1" O.D, .120" wall x 24" long. Cut to length on site.



PP215 & PP215R Specification Sheet Snow Guards

H. PP95, ice flags, optional (choose one)

1. 6000 Series Aluminum 3" wide x length (as needed).
2. 304 Stainless Steel.

I. Fasteners (can be purchased from others) to be compatible with chosen roof application and meet specified pull-out values as shown in load test data.

2.3 FINISH (choose one)

- A. Mill Finish – standard
- B. Powder Coated – available at additional cost

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 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.

Document Version 08.10.22
07 72 53 Snow Guards



PP215 Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Membrane (EPDM, TPO, PVC) with solid structural deck immediately below roof surface.
- New / Existing Copper Flat Seam

BASE PLATE INSTALLATION

1. Place base plate on top of finished roof. Align base plate so that studs are set parallel to slope of roof. There will be three fastener holes on up-slope of base plate.
2. Fasten base plate to substructure (usually wood blocking for this system) using appropriate fasteners for type and thickness of decking. Make certain that base plate cannot shift.
3. Consult with an engineer, snow guard manufacturer or fastener company to determine the fastener required for attaching base plate to substructure.

MEMBRANE FLASHING INSTALLATION

1. Use an acceptable piece and size of membrane flashing material to cover base plate in a method acceptable by roofing material manufacturer. This is commonly referred to as a Flashing Patch. flashing patch size will be a minimum of 12" x 12" but each membrane manufacturer has specific requirements.
2. Cut two small holes in flashing to fit tightly over threaded studs.
3. Before installing flashing apply a generous amount of acceptable sealant around threaded studs.
4. Apply flashing over base plate and seal perimeter of flashing to membrane deck sheet, following best practice methods for your roofing material.
5. threaded studs are now only part of base plate exposed. NOTE: Due to sealant applied around studs there may be bleed out at this opening. When bracket is installed and tightened this bleed out will help to create a water tight compression fitting.
6. Once base plate and flashing are installed, move on to installation of snow guard bracket.



PP215 Snow Guard Installation Instructions

COPPER FLASHING INSTALLATION

1. Use flashing material to cover base plate in a method acceptable by roofing manufacturer. This flashing is commonly referred to as a Flashing Patch. flashing size should be a minimum of 12" x 12" (prefabricated copper flashing patches embossed for base plate shape are available from snow guard manufacturer).
2. If fabricating flashing, cut two small holes in flashing to fit tightly over threaded studs.
3. Before installing flashing apply a generous amount of acceptable sealant around threaded studs.
4. Apply flashing over base plate and seal perimeter of flashing to flat seam copper roof, following best practice methods for your copper roofing material.
5. Threaded studs on base plate should still be exposed. NOTE: Due to sealant applied around studs there may be bleed out at this opening. When bracket is installed and tightened this bleed out will help to create a water tight compression fitting.
6. Install EPDM rubber washer on studs.
7. Once base plate and flashing are installed, move on to installation of snow guard bracket.

BRACKET INSTALLATION

Aluminum Bracket (reference Assembly Sheet – PP225-AL-UPKIT)

1. Empty contents of bag onto work surface and reference PP225-AL-UPKIT assembly drawing for part codes and descriptions.
2. Insert SS Hex Bolt .5-13x2.25 through back hole of Base for 225 AL Upkit, PP225 AL-Connector, Spacer, and 2nd back hole of Base for 225 AL Upkit.
3. Apply thread lock and tighten SS Hex Nut to SS Hex Bolt.
4. Line up AL 225 Upright for Upkit with appropriate hole for angle of roof with PP225 AL-Connector and insert SS Hex Bolt .5-13x1.75 through both AL 225 Upright and PP225 AL-Connector.
5. Apply thread lock and tighten SS Hex Nut to SS Hex Bolt.
6. Open assembly to expose holes in Base for 225 AL Upkit.
Place bracket over threaded studs on previously installed baseplate.
7. Place one SS Neo Washer over each stud and press them down against bracket.
8. Tighten SS Flange Nut over each stud and tighten to 15 inch-pounds.
9. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.



PP215 Snow Guard Installation Instructions

BRASS BRACKET (REFERENCE ASSEMBLY SHEET – PP225-BR-UPKIT)

1. Empty contents of bag onto work surface and reference PP225-BR-UPKIT assembly drawing for part codes and descriptions.
2. Insert BR Hex Bolt .5-13x2.25 through single back hole of Base for 225 BR Upkit, and then through (in order) one BR ¼" Spacer, one BR 1/8" spacer, PP225 Connector Cast BR one BR ¼" Spacer, one BR 1/8" spacer and out through other side of Base for 225 BR Upkit.
3. Apply thread lock and tighten BR Hex Nut to BR Hex Bolt .5-13x2.25 to 45 inch-pounds.
4. Insert BR Hex Bolt .5-13x1.75 through one side of BR225 Upright for Upkit, and then through (in order) one BR ¼" Spacer, the appropriate hole for angle of roof in PP225 Connector Cast BR, one BR ¼" Spacer and out through other side of BR225 Upright for Upkit.
5. Apply thread lock and tighten BR Hex Nut to BR Hex Bolt .5-13x1.75 to 45 inch-pounds.
6. Open assembly to expose holes in Base for 225 BR Upkit. Place bracket over threaded studs on previously installed baseplate.
7. Place one SS Neo Washer over each stud and press them down against bracket.
8. Tighten SS Flange Nut over each stud and tighten to 15 inch-pounds.
9. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.

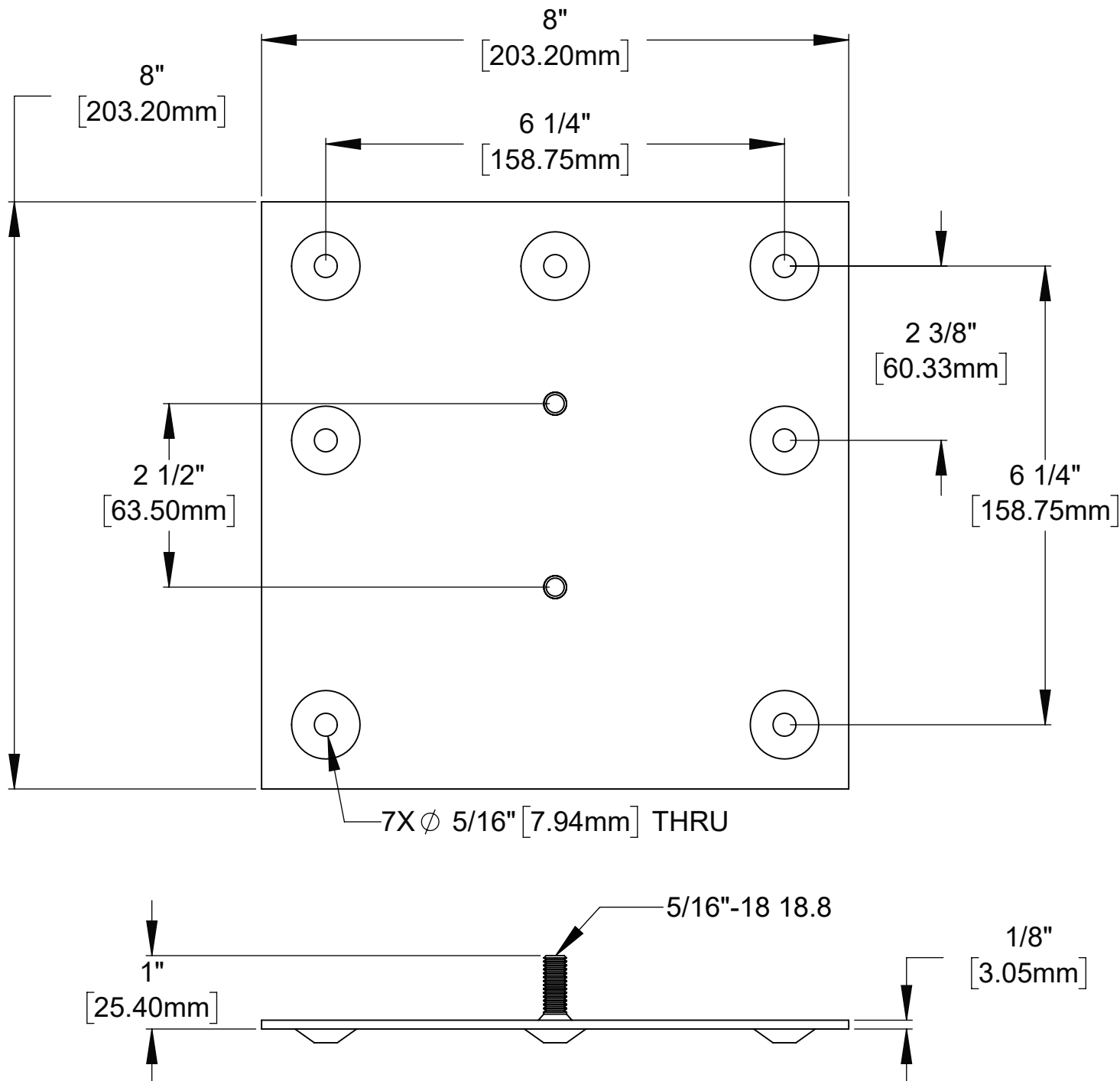
SNOW GUARD LAYOUT FOR PIPE STYLE BRACKETS

- Contact Alpine SnowGuards for detailed layout.
- Do not install runs of snow retention bar more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards are installed above outer most wall or support of the building.

Document version 08.12.2022
07 72 53 Snow Guards

Cut Sheet - BASE SS 8x8-200R

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](#).



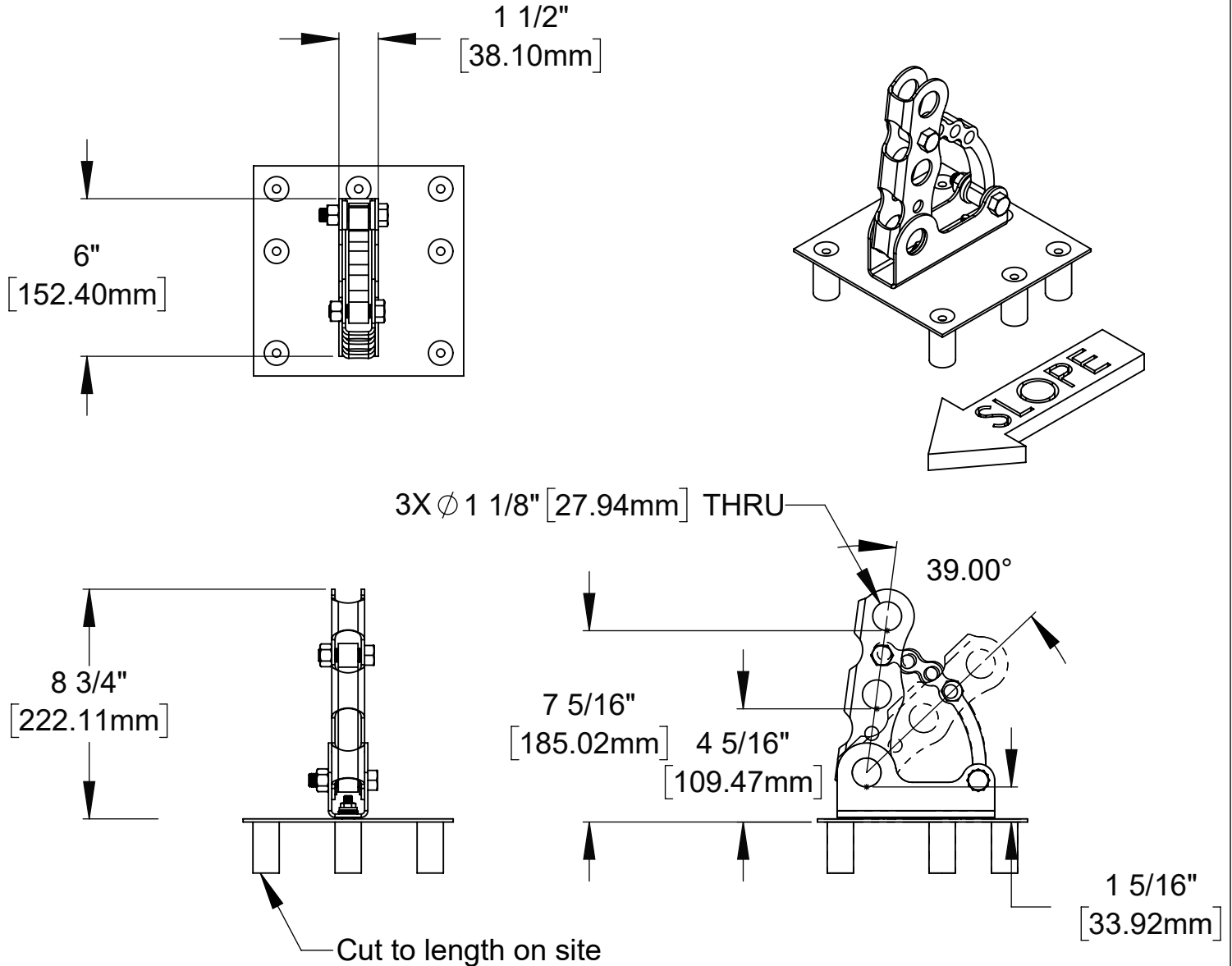
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Scale: 1:2

6/30/2022

Cut Sheet - PP215R

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 Bracket,
Stainless Steel Base Plate
- ☐ Brass Bracket,
Stainless Steel Base Plate

Available Bracket Finishes

- ☐ Mill Finish
- ☐ Powder Coated
(Ral Tiger Drylac Powder
Coating Color Code: _____)

Available Flashing

- ☐ PP99-CU
(Copper Flashing)
- ☐ Customer Supplied



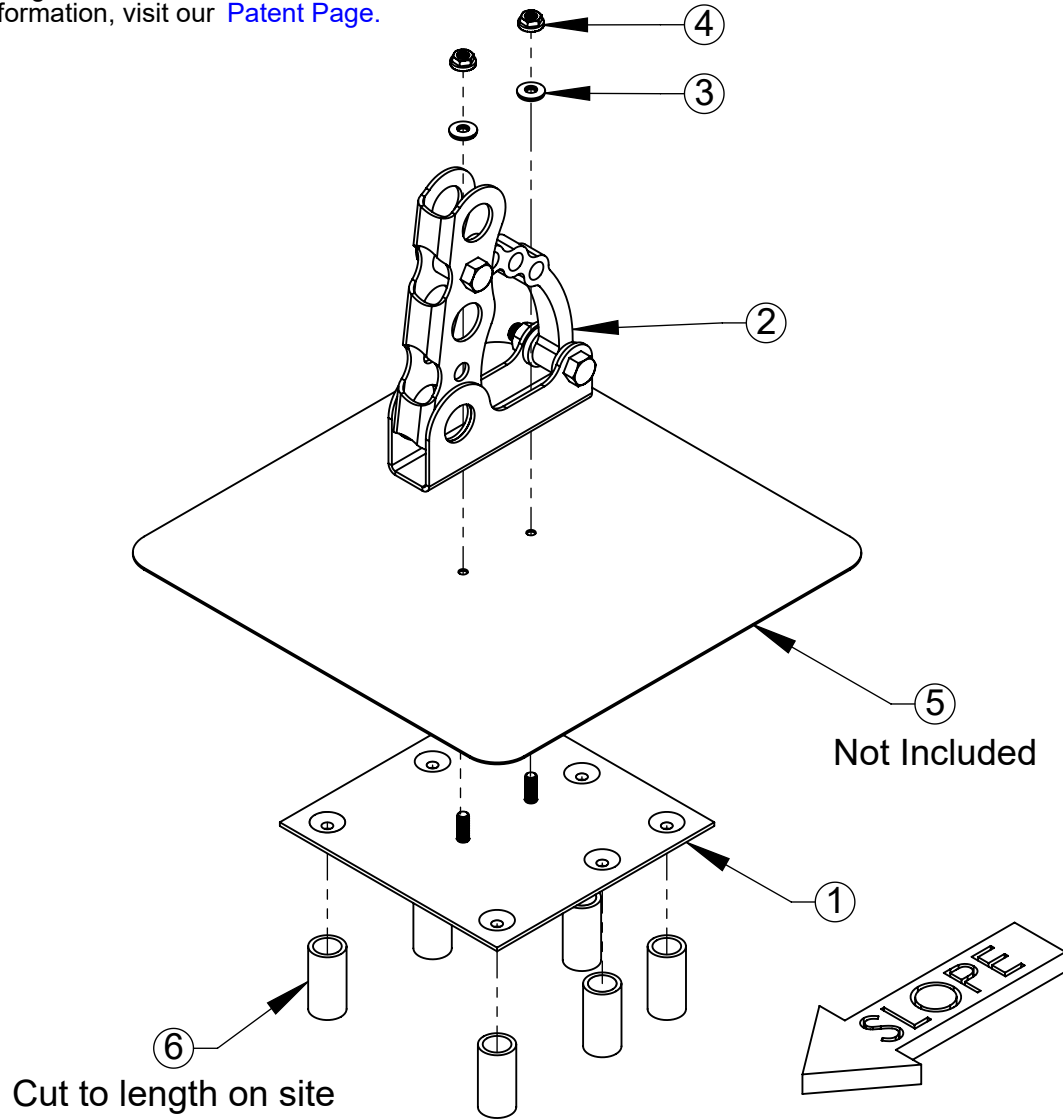
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Scale: 1:5

6/30/2022

Assembly Sheet - PP215R

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](#).



ITEM NO.	PART CODE	DESCRIPTION	QTY
1	BASE SS 8X8-200R	STAINLESS STEEL 8X8-200R BASE PLATE	1
2	PP225-UPKIT	225 3PP BRACKET ONLY	1
3	W-NEO SS-.313	SS NEO WASHER .313 ID (INCLUDED IN POLY KIT GF NEO)	2
4	N-FL SS-.313-18	SS FLANGE NUT .313-18	2
5	NOT INCLUDED	TARGET PATCH FLASHING (CUSTOMER SUPPLIED OR PP99-CU)	1
6	FERRULE	FERRULE FOR 215R- 1" OD-AL (SOLD SEPARATELY)	7



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Scale: 1:5

7/26/2022



PP215R Snow Guard Installation Instructions

ROOF TYPES

New / Existing Membrane with insulation immediately below roof surface.

INSTALLATION

Base Plate with Ferrule Installation

1. Place base plate on top of finished roof and mark locations of 6 fastener holes (3 on left of baseplate and 3 on right).

Note: *threaded studs on base plate are aligned parallel to roof slope with three fastener holes on up-slope of base plate.*

2. Remove base plate and at 6 marked hole locations, bore 6 one-inch holes through finished roof and through insulation until substructure is reached.

3. Measure depth of each hole and cut ferrules (1" O.D. aluminum tubing) to rest on substructure and to be flush with finished roof surface when inserted into holes.

4. Drop ferrules into place. Ferrules resting on substructure will prevent insulation from compressing when base plate is tightened into place.

Note: *Optional - apply appropriate amount of low expansion spray foam insulation inside ferrules. This is to prevent condensation on underside of metal decking.*

5. Place base plate on top of finished membrane roof so that 7 fastener holes line up with centers of 7 ferrules. The holes in base plate will lock into ferrules when ferrules are positioned properly.

6. Fasten base plate to substructure using appropriate fasteners for type of decking and thickness of insulation. Make certain that base plate cannot shift.

7. Consult with an engineer, snow guard manufacturer or fastener company to determine fastener required for attaching base plate to substructure.



PP215R Snow Guard Installation Instructions

Membrane Flashing Installation

1. Use an acceptable piece and size of membrane flashing material to cover base plate in a method acceptable by roofing material manufacturer. This is commonly referred to as a Flashing Patch. Flashing patch size will be minimum of 12" x 12"; each membrane manufacturer has specific requirements.
2. Cut two small holes in flashing to fit tightly over threaded studs.
3. Before installing flashing apply a generous amount of acceptable sealant around threaded studs.
4. Apply flashing over base plate and seal perimeter of flashing to membrane deck sheet, following best practice methods for your roofing material.
5. Threaded studs are now only part of base plate exposed.

Note: Due to sealant applied around studs there may be bleed out at this opening. When bracket is installed and tightened this bleed out will help to create a water tight compression fitting.

6. Once base plate and flashing are installed, move on to installation of snow guard bracket.

Bracket Installation

Aluminum Bracket (reference Assembly Sheet – PP225-AL-UPKIT)

1. Empty contents of bag onto work surface and reference PP225-AL-UPKIT assembly drawing for part codes and descriptions.
2. Insert SS Hex Bolt .5-13x2.25 through back hole of Base for 225 AL Upkit, PP225 AL-Connector, Spacer, and 2nd back hole of Base for 225 AL Upkit.
3. Apply thread lock and tighten SS Hex Nut to SS Hex Bolt.
4. Line up AL 225 Upright for Upkit with appropriate hole for angle of roof with PP225 AL-Connector and insert SS Hex Bolt .5-13x1.75 through both AL 225 Upright and PP225 AL-Connector.
5. Apply thread lock and tighten SS Hex Nut to SS Hex Bolt.
6. Open assembly to expose holes in Base for 225 AL Upkit.
Place bracket over threaded studs on previously installed baseplate.
7. Place one SS Neo Washer over each stud and press them down against bracket.
8. Tighten SS Flange Nut over each stud and tighten to 15 inch-pounds.
9. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.



PP215R Snow Guard Installation Instructions

Brass Bracket (reference Assembly Sheet – PP225-BR-UPKIT)

1. Empty contents of bag onto work surface and reference PP225-BR-UPKIT assembly drawing for part codes and descriptions.
2. Insert BR Hex Bolt .5-13x2.25 through single back hole of Base for 225 BR Upkit, and then through (in order) one BR ¼" Spacer, one BR 1/8" spacer, PP225 Connector Cast BR one BR ¼" Spacer, one BR 1/8" spacer and out through other side of Base for 225 BR Upkit.
3. Apply thread lock and tighten BR Hex Nut to BR Hex Bolt .5-13x2.25 to 45 inch-pounds.
4. Insert BR Hex Bolt .5-13x1.75 through one side of BR225 Upright for Upkit, and then through (in order) one BR ¼" Spacer, appropriate hole for angle of roof in PP225 Connector Cast BR, one BR ¼" Spacer and out through other side of BR225 Upright for Upkit.
5. Apply thread lock and tighten BR Hex Nut to BR Hex Bolt .5-13x1.75 to 45 inch-pounds.
6. Open assembly to expose holes in Base for 225 BR Upkit. Place bracket over threaded studs on previously installed base plate.
7. Place one SS Neo Washer over each stud and press them down against bracket.
8. Tighten one SS Flange Nut over each stud and tighten to 15 inch-pounds.
9. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe-Style Installation Instructions). Ice Flags are optional.

SNOW GUARD LAYOUT FOR PIPE STYLE BRACKETS

- Contact Alpine SnowGuards for detailed layout.
- Do not install runs of snow retention bar more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards are installed above outer most wall or support of the building.

Document version 06.28.2022
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

TIGER Drylac®

ral colors

exterior powder coatings



TIGER Drylac®
Powder Coatings

series 49

Weather Resistant TGIC Polyester Powder Coatings for Exterior and Interior Applications

Features: Good weather resistance, good mechanical properties, very smooth flow, good storage stability, good coverage

Gloss Level: All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90+ (gloss level according to Garner 60 deg., ASTM D 523).

Typical Applications: Residential windows and doors, garden equipment, patio furniture, automotive accessories, bicycles, motorcycles, sporting goods.

Standard Packaging: 55 lb boxes or 5 lb mini packs

Datasheets: Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit www.tigerdrylac.com for the most current edition.



All Series 49 (custom and stock) products, made in the US or Canada are periodically re-certified and carry the UL (Underwriter Laboratories) Recognized Component mark. This UL mark is for all equipment and products intended for the US and Canadian market.

series 38

Highly Weather- and UV-Resistant Powder Coatings based on Super Durable TGIC Polyester for Exterior and Interior Applications

Features: Superior gloss and color retention, excellent weather resistance, good mechanical properties, superior chalk resistance, smooth flow, excellent edge coverage, good storage stability. AAMA 2604-05 conforming.

Gloss Level: All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90 (gloss level according to Gardner 60 deg., ASTM D 523).

Typical Applications: Agricultural and construction equipment, bus shelters, lighting fixtures, playground equipment, site furnishings, garage doors, stadium seating, fencing, automotive equipment, and marine applications.

Standard Packaging: 44 lb boxes and 5 lb mini packs

Datasheets: Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit www.tigerdrylac.com for the most current edition.

RAL colors not available: Due to pigmentation a small percentage of colors in the yellow, orange, red and purple range offer only limited UV stability and are therefore not available.

More standard Series 38 products: For additional architectural mattes, glossy and metallic products please see our Series 38 Super Durable Powder Coatings brochure.

Custom colors: Custom colors not shown in this brochure can be custom made in 7 to 10 days. Due to pigmentation some colors in the yellow, orange, red and purple range offer only limited UV stability. UV stability of custom colors in that color range must be verified by our production laboratories on a case by case basis.

TIGER Drylac continues to offer the largest product selection in the powder coating industry. For additional standard products and innovative powder coating solutions please see our numerous other brochures including:

TIGER Drylac Metallic

TIGER Drylac Special Effect

TIGER Drylac Essentials

TIGER Drylac Specialties

TIGER Drylac Series 38 Super Durable

TIGER Drylac Anti-Graffiti

TIGER Drylac Series 58 Super Durable
(for approved applicators only)

TIGER Drylac Series 75 Fluoropolymer
(for approved applicators only)

TIGER Drylac Wood

Specifying TIGER Drylac products

In order to eliminate possible errors in specifying our products, we recommend using the full product number rather than specifying the RAL number only. This product number not only describes the Series/Chemistry, but also the exact color, finish and sheen.

Please check with your local TIGER Drylac office or representative for assistance with specifications and suitability issues.

RAL

Having gained worldwide acceptance over the last few decades, the RAL is the most popular Central European Color Standard used today.

The RAL colors in this chart have been matched as closely as possible. Color chart production methods and influence from heat and light may account for slight color deviation from the actual RAL Standard. This chart therefore can not serve as a standard for RAL color production and is to be used as a guide for color planning and specification only.

To aid in final product selection please contact your regional Tiger Drylac location for a powder coated Q-Panel of the product of your choice.

Product Code Matrix

3 8 / 3 0 0 2 5



Chemistry






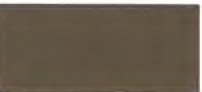


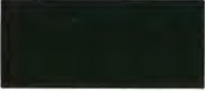





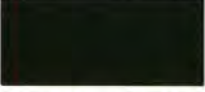


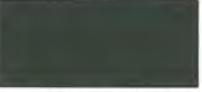





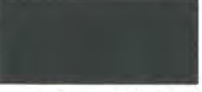




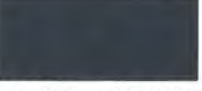



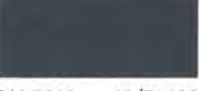


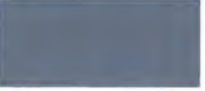
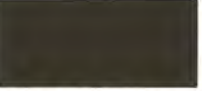




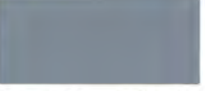
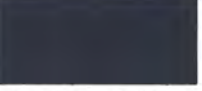



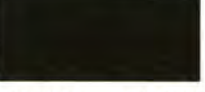
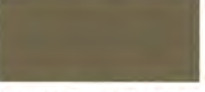





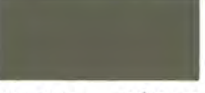


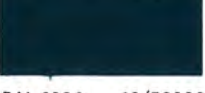
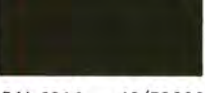
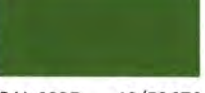
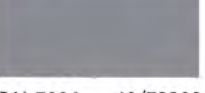
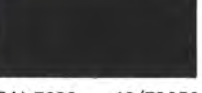


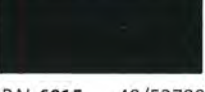
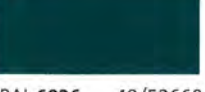
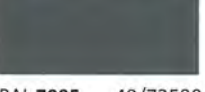
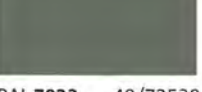
09 Polyester/Epoxy Hybrid
16 Acrylic Hybrid
28 Super Durable Polyester
TGIC (for approved applicators only)
39 Polyester TGIC
44 Polyurethane
49 Polyester TGIC
59 Polyester TGIC-Free
69 Epoxy
75 Fluoropolymer
(for approved applicators only)
89 Polyester/Epoxy Hybrid,
Low/Fast Cure



Color Group (starting with)

1 White
2 Yellow / Orange
3 Red
4 Blue
5 Green
6 Brown
7 Grey
8 Black
9 Metallic

					
RAL 1000 49/15200 38/15000	RAL 1015 49/15320 38/15015	RAL 1033 49/22240	RAL 2012 49/24690	RAL 3014 49/31080	RAL 4004 49/31020 38/30024
					
RAL 1001 49/15190 38/15001	RAL 1016 49/22520 38/20016	RAL 1034 49/23910	RAL 3000 49/33120 38/30000	RAL 3015 49/33670	RAL 4005 49/42780
					
RAL 1002 49/22590 38/20002	RAL 1017 49/22510 38/20017	RAL 1037 49/20096	RAL 3001 49/31120 38/30001	RAL 3016 49/31980 38/30016	RAL 4006 49/32090
					
RAL 1003 49/22580	RAL 1018 49/21830 38/20018	RAL 2000 49/24570	RAL 3002 49/31110 38/30002	RAL 3017 49/31060	RAL 4007 49/32540 38/30025
					
RAL 1004 49/22570 38/20004	RAL 1019 49/13660 38/15019	RAL 2001 49/24560 38/23170	RAL 3003 49/31100 38/30003	RAL 3018 49/31050	RAL 4008 49/32280
					
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