



SolaTrim Pest Abatement Barrier: Solar Panel Protection

Three-Part Architectural Specification – Nixalite of America Inc. 2024

Master Format: Other Specialties - 10 81 00 Pest Control Devices, 10 81 13 Bird Control Devices, 10 82 13 Grills & Screens, and 07 70 00 Roof Accessories.

Part 1 - General

1.1 Section Includes

- Solar panel protection systems, specifically SolaTrim pest abatement barriers for photovoltaic (PV) installations. Provides solar panel protection from birds, rodents, squirrels, and debris.

1.2 References

- ASTM B209 – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- 3M VHB Tape Standards – Specifications for high-strength acrylic foam adhesive
- tapes.

1.3 Submittals

- Manufacturer's product data sheet, including material and coating specifications.
- Installation instructions and technical support contacts.
- Sample product upon request.

1.4 Quality Assurance

- Installer Qualifications: Installers must have at least one year of experience with similar installations.
- Manufacturer Support: Provide manufacturer's installation guidelines and technical assistance.

1.5 Delivery, Storage, and Handling

- Deliver materials in the manufacturer's original, unopened, undamaged packaging.
- Store materials in a clean, dry location at temperatures above 50°F (10°C).

1.6 Warranty

- Manufacturer's standard limited warranty of 10 years for material defects.

Part 2 - Products

2.1 Manufacturer

- SolaTrim, available through Nixalite of America Inc.
Contact Information:
Nixalite of America Inc.
1025 16th Ave, East Moline, IL 61244
Phone: 800-624-1189
Email: sales@nixalite.com
Website: <https://www.nixalite.com/product/solatrims-pest-barrier>

2.2 Materials

- Aluminum: 3003-H14 alloy, .025-inch thick.
- Coating: UV-stable black polyester outside finish for weather resistance. Grey inside color.

2.3 Adhesive

- High-strength 3M VHB acrylic foam tape for peel-and-stick application.
- Tape strength: Minimum tensile strength of 15 pounds per square inch.

2.4 Dimensions and Configurations

- Standard Panel Heights: 6.75 inches, 5.5 inches and 4.5 inches.
- Length: 48 inches per piece.

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2.5 Accessories

- Acetone wipes and clean cloth for surface preparation.
- J-Roller for applying the correct pressure when installing the barrier to the panel frame.
- Sheet metal snips for cutting and trimming barrier panels

Part 3 - Execution

3.1 Examination

- Verify that surfaces are clean, dry, and free from dust, dirt, or grease.

3.2 Preparation

- Use acetone wipes to clean the solar panel frame where the barrier will adhere.
- Allow surfaces to dry completely.

3.3 Installation

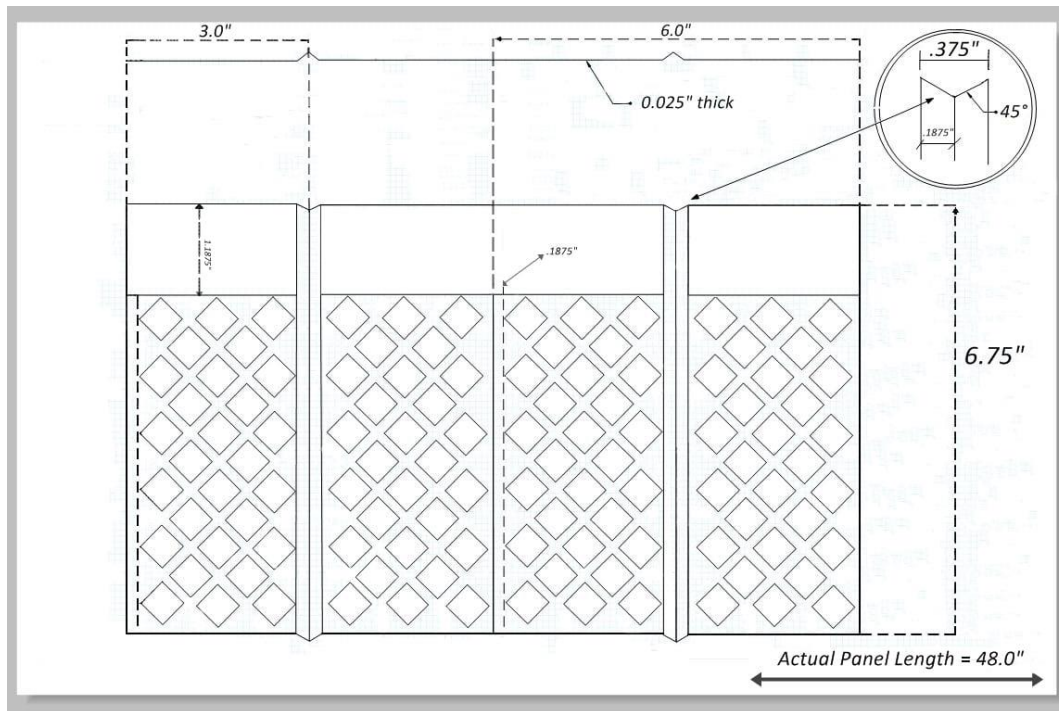
- Dry fit the panels first. Cut barriers as needed for a proper fit around the roof line, mounting brackets and other obstacles
- Peel back the adhesive liner from the 3M VHB tape and apply the SolaTrim barrier to the solar panel frame.
- Firmly press the barrier with a J-roller to achieve a minimum of 15 PSI for optimal adhesion.

3.4 Field Quality Control

- Inspect installed barriers for gaps, lifting edges, or insufficient adhesion.
- Make necessary adjustments to ensure full coverage and attachment.

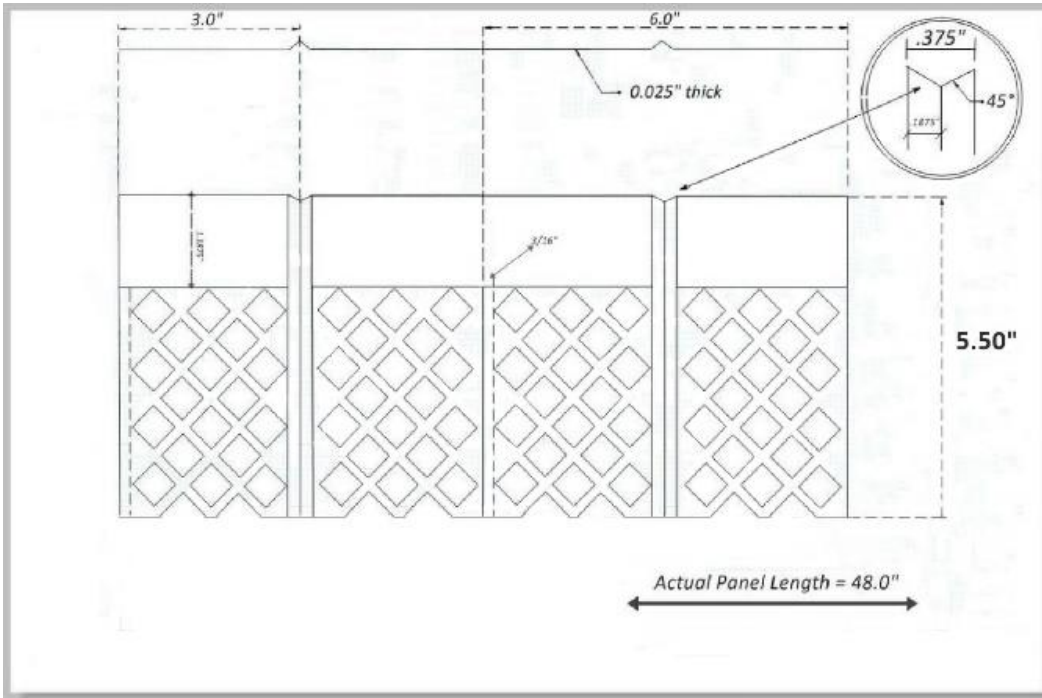
3.5 Cleaning and Protection

- Remove any installation debris from the work area.
- Avoid contact with cleaning agents or solvents that may degrade the adhesive.

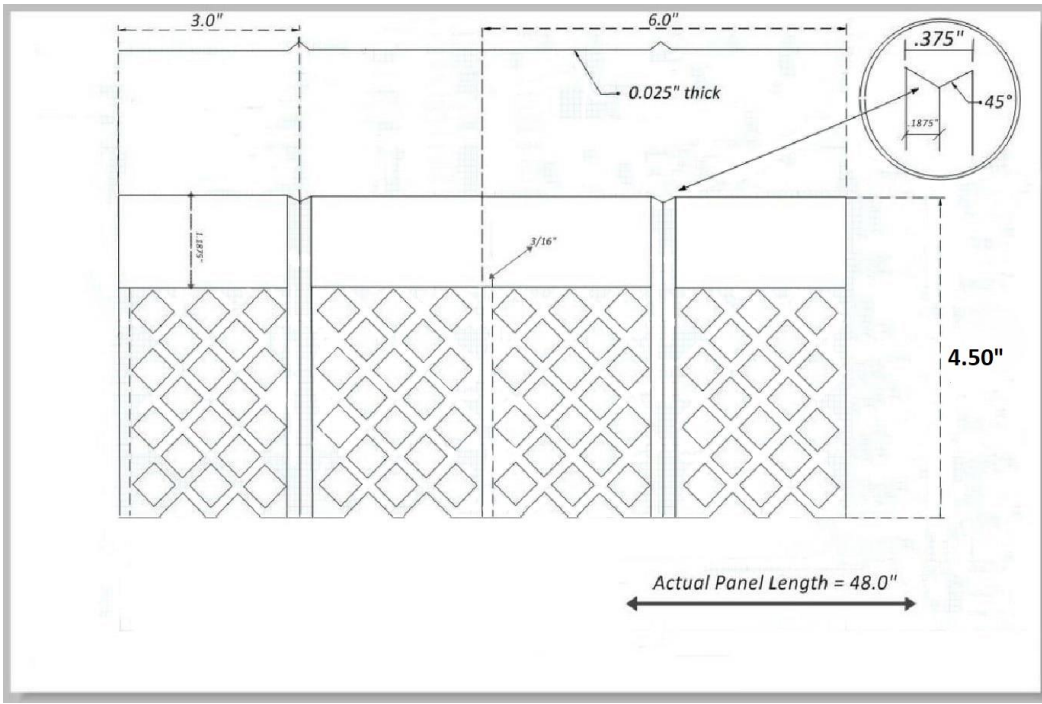


SOLATRIM 6.75 Inch X 48 Inch

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SOLATRIM 5.50 Inch X 48 Inch



SOLATRIM 4.50 Inch X 48 Inch



Nixalite[®] of America Inc

Experts in Bird and Animal Control Since 1950

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