



Case Study — The Miller Barn

ColorGard® | S-5-S Clamp | VersaClip™ | SnoClip™ III



At-A-Glance

Project

The Miller Barn

Location

Churchville, MD

Architect

Ted Jasinski, Frederick Ward Associates,
Bel Air, MD

General Contractor

Paul Risk Construction, Quarryville, PA

Roofing Contractor

Agpoint Construction Services LLC,
Quarryville, PA

Roof Profile

McElroy Metal Medallion-Lok 16" wide panels
with double pencil ribs, standing seam roof

Industry

Residential Barn

The Situation

The homeowners wanted an aesthetically pleasing, snow retention solution for their new charcoal gray standing seam metal roof that would precisely match the roof and also avoid penetration/potential damage.

The Result

ColorGard® was custom-designed and engineered for this project to mitigate potential rooftop avalanches, dramatically reducing the risk of sudden and unexpected release of snow slides while providing a long-term solution for the life of the roof.

Project Stats

- Roof Measured: 7,500 square feet
- Roof Pitch: 9:12
- S-5! Products Supplied:

- ✓ **ColorGard®** (39)
- ✓ **S-5-S Clamp** (235)
- ✓ **VersaClip™** (235)
- ✓ **SnoClip™ III** (230)



The Project

Located in an upscale rural neighborhood in Churchville, Maryland, this high-end, 4,875-square-foot post-frame barn features top-of-the-line products, including a 7,500-square-foot McElroy Metal Medallion-Lok standing seam roof system.

An interior loft measures 1,880 square feet and overlooks the pasture below. Eight windowed dormers in the loft area provide plenty of light into the building. The 14-foot wide, custom-made doors accommodate access to equipment stored in the barn.

The interior of the barn is sided with T-111 clear cedar siding, featuring grooves 8 inches on center. The interior windows and doors are trimmed with cedar, and cedar siding is wrapped around the bottom 4 feet of interior glulam columns. The exterior siding is #1 cedar board and batten siding.

The charcoal gray standing seam roof with PVDF coating features 16-inch wide panels with double pencil ribs. Copper roofing tops off the cupolas. **ColorGard®** by S-5! snow retention is mounted to the roof, penetration-free, complementing the look of the roof.

“We would never consider any attachment to our roofs other than S-5! Their commitment to tested, engineered products, and a decades-long history of prudent metal roof attachment solutions are unsurpassed. We simply know from experience their products perform for the life of our roof. The S-5! brand is iconic in the metal roofing industry.”

—Ken Gieseke, Vice President of Marketing, McElroy Metal

The Challenge

The roof has various pitches, some as steep as 9:12, which required additional safety precautions for installers on this slick metal roof. Additionally, weather conditions presented a challenge as the area is subject to high wind conditions and getting longer roof panels into place required extra care.

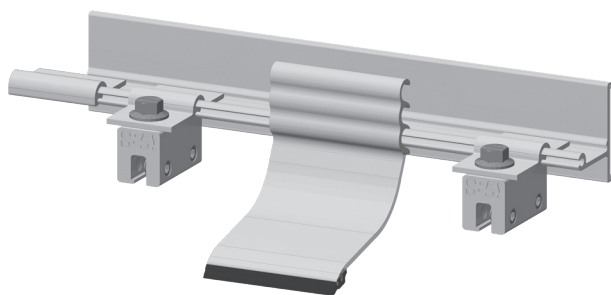
Close attention to detail was necessary during the roof installation to ensure everything was flashed properly as the number of dormers necessitated extra precautionary measures to avoid any potential water infiltration.

Furthermore, the owner desired an aesthetically pleasing, penetration free, snow retention solution to complement his new high-end standing seam metal roof.

The Solution

The roofing contractor utilized the complete S-5! **ColorGard** system, including **S-5-S Clamps**, **VersaClips™** and **SnoClips™ III**.

Together, the snow retention solution provided the aesthetics they were seeking since the **ColorGard** system offered perfect color and finish-matching designed to last the life of the roof. And, it offered the fully tested and engineered safety they needed to protect pedestrians below from sliding snow off the new metal roof. The result was a beautiful roof and barn that would serve the Miller's for years to come.



ColorGard® by S-5!

Long-Term Outlook

The Miller's were able to achieve the quality look they wanted with a snow retention system that maintains the roof integrity, mitigates potential rooftop avalanches and complements the look of the roof, with a clean appearance and perfect color and finish-matching — all designed to last the life of the roof.

How Did the S-5! Products Help?

- Provided an aesthetic solution for this high-end roof
- Provided safety measures to pedestrians and property below
- Eliminated the risk of a voided roof manufacturer warranty—no holes/no damage
- Reduced the amount of product and cost required due to S-5! engineered system capacity



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