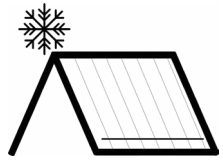




Case Study – Curtice Street Project, Littleton, CO

ColorGard® 2.0 | S-5-S™ Clamp | VersaClip™ 2.0



At-A-Glance

Project Name

Curtice Street Project

Location

Littleton, CO

Roofing Contractor

On Point Contracting

Roof Profile

Drexel 1-3/4-inch snap-lock,
18-inch panel, 24 GA

Industry

Commercial

The Situation

The Curtice Street project required a complete replacement of the existing roof with a standing seam metal system and an engineered snow retention solution designed to address project-specific snow loads, protect vulnerable areas below and preserve the historic structure's appearance.

The Result

The new standing seam roof and ColorGard 2.0 system deliver a durable, nonpenetrating snow retention solution that helps manage snow and ice, protects areas below and integrates cleanly with the building's restored exterior.

Project Stats

- **Roof Area:** 14,500 sq ft.
- **Roof Pitch:** 3/12

S-5! Products Supplied:

- Unpunched ColorGard® 2.0
- 7 ft. 8 in. - 72
- VersaClip™ 2.0 - 188
- S-5-S™ Clamp - 188



The Project

The historic building was formerly home to Denver Machine and Tool Company, a locally owned industrial machinery business specializing in the sale and trade of new and used machine tools, along with equipment appraisals, auctions, liquidations and repair services.

Now under new ownership, the 1940s-era brick building is being repositioned for future use. As part of the exterior renovation, the project included new siding, a complete metal reroof and the installation of an S-5! **ColorGard® 2.0** snow retention system.

The new roof consists of 24-gauge, 1.75-inch snap-lock standing-seam metal panels, seams spaced 18 inches on center.

The Challenge

Years of settling had left the historic structure with few truly straight walls or rooflines. The existing roof and decking were also well beyond their service life and severely deteriorated, requiring a complete replacement rather than a simple retrofit.

The size of the 14,500-square-foot roof added another layer of complexity, as even small alignment variations could become highly visible across its long rooflines. The On Point Contracting roofing team therefore had to create a finished assembly that performed to modern standards while appearing square, straight and uniform despite the irregularities of the underlying structure.

Colorado's heavy snowfall, combined with the roof configuration and vulnerable areas below, also created a clear need for an engineered snow retention system. In addition to performance, the system needed to complement the new standing seam roof and maintain the polished appearance the project team was working to achieve.

The Solution

To create a clean visual line across the irregular structure, the team used custom roof panels to compensate for the building's out-of-square conditions. Once the new standing seam roof was in place, ColorGard 2.0 provided a straight, low-profile finish that complemented the renovated exterior.

The team selected S-5! ColorGard 2.0 for its engineered approach to snow retention, nonpenetrating attachment and streamlined appearance. The system attaches directly to the standing seams with S-5-S™ clamps, eliminating penetrations through the roof panels and helping preserve the weathertight integrity of the new metal roof.

The system was engineered for the project conditions, providing the required snow-retention capacity while minimizing the amount of material needed. Its color-matched components also allowed it to blend naturally with the roof panels.

ColorGard 2.0 also simplified installation. Its internal splice fits over the clamps, reducing in-field cutting and helping crews work efficiently across the roof's numerous transitions and complex sections.

How Did ColorGard® 2.0 Help?

- Helped protect pedestrians and property below from sliding snow and ice
- Provided an engineered solution to properly handle the snow loads of the area
- Provided a color-matched aesthetic solution that helped visually overcome the building's irregularities
- Installed easily without penetrating the standing seam roof
- Internal splice reduced in-field cutting for faster, more efficient installation
- Reduced the amount of product and cost required due to S-5! engineered system capacity



Long-Term Outlook

With a new standing seam metal roof and engineered **ColorGard® 2.0** snow retention system, the former Denver Machine and Tool Company's roof is built for decades of reliable performance. The next-generation system provides engineered snow retention while preserving the roof's weathertight integrity and streamlining installation, delivering lasting value from day one.

"ColorGard 2.0 was exactly what we needed! After all the difficulties we faced replacing the roof on a historic building, the ease of installation of the system was a real treat. Not only was the snow retention system reliably engineered for our needs, but it also perfectly complemented the look of the newly installed metal roof."

— Casey Towers, Production Manager, On Point Contracting



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