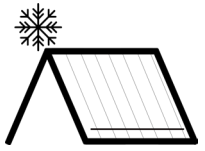




Case Study – Yellow Brick Road, Mountain Village, CO

ColorGard® 2.0 | S-5-U™ Clamp | ColorStrip™



At-A-Glance

Project Name

Yellow Brick Road

Location

Mountain Village, Colorado

Roofing Contractor

White Castle Roofing
& Contracting

Roof Profile

CMG 18" Snap-Lock
Standing Seam Roof Panel

Industry

Residential

The Situation

At more than 8,700 feet, Yellow Brick Road required a durable, standing seam metal roof and a snow retention solution capable of managing heavy annual snowfall, complex roof geometry and vulnerable areas below while preserving the integrity and aesthetics of the luxury mountain home.

The Result

The new standing seam roof and ColorGard 2.0 system provide a durable, nonpenetrating snow retention solution that helps manage heavy mountain snow and ice, protects vulnerable areas below and blends naturally with the home's medium-bronze roof and mountain architecture.

Project Stats

Roof Measured: 4,451 Sq Ft.

Roof Pitch: 3:12 to 24:12

S-5! Products Supplied:

- ColorGard® 2.0 Punched (135)
- ColorStrip™ (135)
- S-5-U™ Clamp (92)



The Project

Yellow Brick Road is a dream mountain home in Mountain Village, Colorado, near the base of the Telluride Ski Resort. Sitting at an elevation of more than 8,700 feet, the property offers sweeping views of the San Juan Mountains and is surrounded by a mix of evergreens and mature aspen groves that produce spectacular fall color.

Located at the end of a wooded cul-de-sac, the 4,000-square-foot luxury log home was originally constructed in 1994. After 30 years of exposure to harsh mountain winters, the owners decided to replace the home's aging cedar shake shingles with a more durable, wildfire-resistant roofing system. Metal roofing offered the added benefit of noncombustible performance and enhanced durability in a wildfire-prone mountain environment.

Roofing contractor White Castle Roofing installed a 24-gauge standing seam steel roof complete with the S-5! **ColorGard® 2.0** snow retention system, designed to complement the home's natural character while providing decades of protection from the demanding weather conditions of southwestern Colorado.

The Challenge

The remote mountain setting created several logistical and installation challenges. The project required careful coordination of labor, materials, equipment and deliveries to minimize disruption to the homeowners, neighboring properties and abundant local wildlife.

Access to the home was equally challenging. The property sits at the end of a steep driveway with very limited space for material staging, equipment placement and debris removal.

The roof's complex design added another layer of difficulty. Its slopes range from 3:12 to 24:12 and include more than 16 valley sections, a large natural-stone chimney and a peak nearly 40 feet above grade.

Snow management was a critical consideration. The Telluride area receives approximately 150 to 250 inches of snow annually, requiring a snow retention system capable of managing accumulated snow and ice while reducing the risk of sudden releases over entrances, walkways, landscaping and other areas below.

The Solution

White Castle Roofing has successfully installed snow guard systems on metal, asphalt-shingle and synthetic-shingle roofs, bringing extensive snow-management experience to the project. After evaluating the unique conditions at Yellow Brick Road, they determined that the ColorGard 2.0 system was the ideal solution to address the home's roofing and snow retention requirements.

Winter site visits and consultation with the homeowner helped the team develop a snow retention layout tailored to the roof's complex geometry and the areas requiring protection. The objective was to manage snow and ice safely while preserving the home's aesthetics and its harmony with the mountain setting.

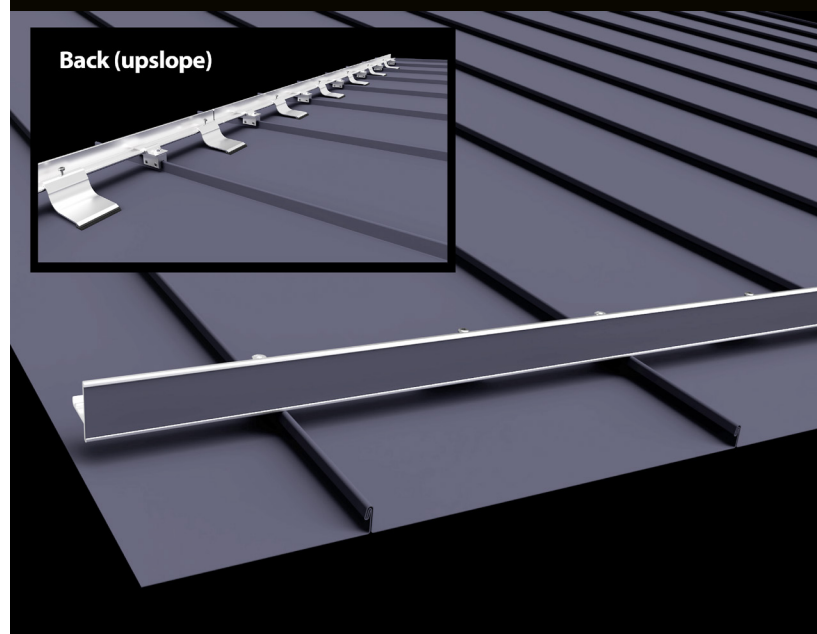
ColorGard 2.0 was especially well suited for the project because its clamps attach directly to the standing seams without penetrating the roof panels. Eliminating additional roof penetrations helped preserve the integrity of the new metal roof while providing an engineered, site-specific snow retention solution.

The next-generation ColorGard 2.0 system also simplified installation, with an internal splice designed to reduce in-field cutting—an added benefit on a roof with steep pitches and numerous complex sections.

Aesthetics was also an important part of the product selection. The ColorGard system incorporated a ColorStrip™ that coordinated with the medium-bronze standing seam panels, allowing the completed snow retention system to blend naturally into the roof rather than distract from the architecture.

How Did ColorGard® 2.0 Help?

- Engineered to manage heavy mountain snow and ice
- Reduces the risk of sudden rooftop avalanches
- Attaches without penetrating the standing seam roof
- Helps preserve the roof's weathertight integrity
- Internal splice fits over clamps for faster installation with less cutting
- Ideal for the project's complex roof sections
- Color-matched to blend with the medium-bronze panels
- Supports a job-specific, engineered snow retention layout



Long-Term Outlook

The new standing seam metal roof and ColorGard® 2.0 snow retention system provide a durable solution designed for years of demanding mountain conditions. The zero-penetration attachment and color-matched design help protect the roof investment while maintaining the home's distinctive mountain aesthetic.

"The snow retention system needed to perform in an area that receives significant annual snowfall, but it also had to complement the architecture of a luxury mountain home. ColorGard 2.0 delivered on both fronts. The color-matched system blended beautifully with the medium-bronze standing seam roof while providing the strength and reliability needed to manage snow and ice in the San Juan Mountains."

—Jake Hansen, Chief Operating Officer, White Castle Roofing & Contracting



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