Case Study – Wildstone Ranch, Larkspur, CO

SnoGard EF™ I ColorStrip™

At-A-Glance

Project Name
Wildstone Ranch

Location
Larkspur, Colorado

General Contractor
Owner

Roofing & Siding Contractor
Blazing Construction

Roof Profile
Flatiron Steel PBR exposed-fastened metal roof panel, 26 gauge

Board-and-Batten Metal Siding Provided by
Flatiron Steel

Wainscoting Provided by
Western States Metal Roofing

Industry
Agricultural

The Situation
Located in an exposed, high-wind area along Colorado's Front Range, this equestrian and agricultural property needed a snow retention solution to reduce the risk of sudden snow and ice shedding over vulnerable areas below the roofline.

The Result
SnoGard EF provides an engineered solution designed specifically for exposed-fastened metal roofing, helping manage rooftop snow and ice while protecting critical areas around the equestrian and agricultural facility.

Project Stats

Building Footprint: 50' × 50'

Interior Area: Approximately 2,500 sq. ft.

Roof Pitch: 3:12

Roof Overhangs: 12' lean-tos

S-5! Products Supplied:

- SnoGard EF™ (208 linear ft.)
- Optional ColorStrip™ (104 linear ft.)



The Project

Wildstone Ranch in Larkspur, Colorado, was originally a 500-acre working cattle ranch. The property was later redeveloped to include 13 residential lots while preserving 168 acres at the center of the community as a working ranch and a setting for events serving veterans with PTSD and children who have experienced other forms of trauma.

This particular 20-acre property includes approximately 10 wooded acres and 10 acres of meadow. It is home to three rescued horses and includes a 2,500-square-foot building that supports both equestrian and agricultural uses.

The 50-by-50-foot structure features a 3:12-pitch roof with 12-foot lean-tos, PBR exposed-fastened metal roofing and board-and-batten metal siding in a woodgrain pattern that provides the look of traditional barn wood without the same maintenance demands. Corrugated Corten steel was used as lower wainscoting, where greater resistance to weather and the everyday wear associated with horses was important.

With active equestrian areas and agricultural equipment directly beneath the roofline, snow and ice management became an important consideration. To address that risk, the project included a complete **SnoGard EF™** snow retention system designed for exposed-fastened metal roofing.

The Challenge

The property experiences demanding winter weather, including winds that regularly exceed 60 to 80 mph, rapid snow accumulation and storms that can deposit large amounts of snow over relatively short periods.

Those conditions created particular concerns on the south side of the building, which houses a four-stall horse facility. Snow and ice accumulating on the metal roof could release suddenly, creating potential hazards for horses, owners and visitors in the stalls, paddocks and access areas below.

Gutters were another critical consideration. They help direct rainwater and snowmelt away from the interior stalls and adjacent paddocks, helping keep these areas drier and cleaner. Large masses of sliding snow and ice could damage or tear gutters away from the roof, compromising drainage where it was needed most.

The north side presented a different challenge. Agricultural and farm equipment is stored beneath the roofline, where uncontrolled snow shedding could create hazards, obstruct access and interfere with day-to-day use of the equipment.

The Solution

SnoGard EF, a purpose-built, prescriptive, pre-engineered continuous bar system for exposed-fastened metal roofing, was installed to help manage accumulated snow and reduce the risk of sudden snow and ice shedding from the PBR roof. Designed for AG, PBR, R-Panel and other agricultural and rural corrugated applications, it provides a low-cost, stronger, cleaner alternative to brake-formed solutions.

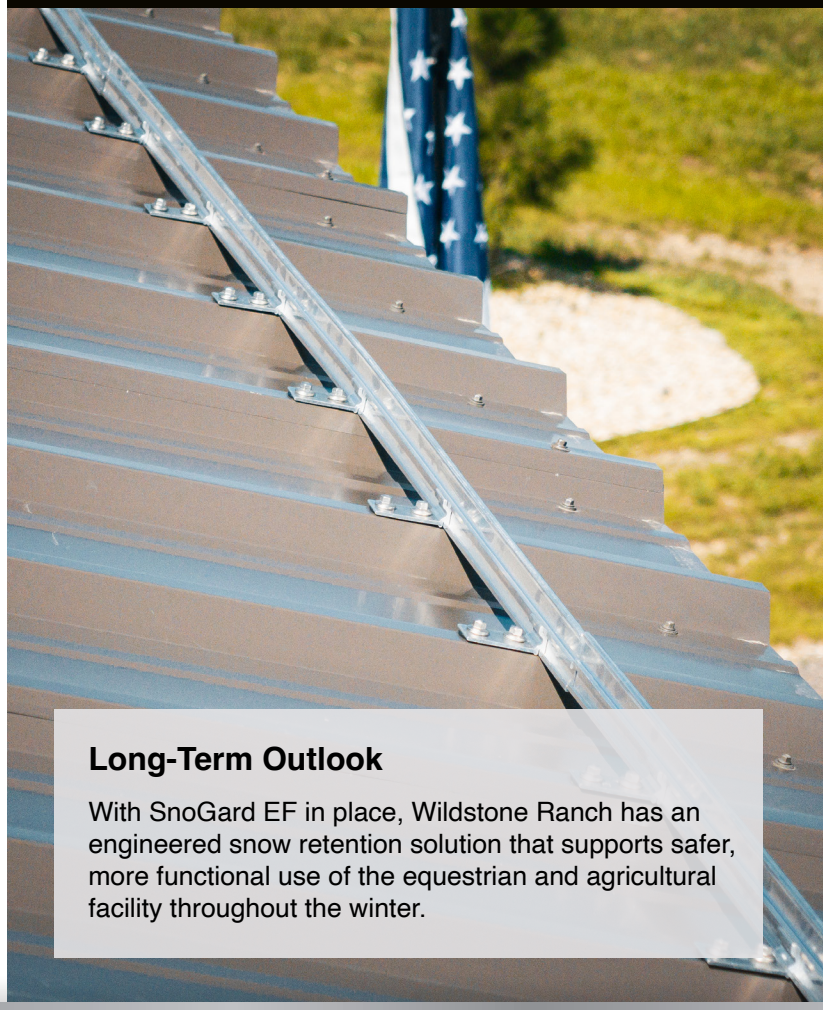
Because exposed-fastened roof applications involve fewer variables than standing seam systems, contractors can determine product fit using published application guidelines and standardized installation methods. Simplified load charts help determine the number of rows required by jobsite criteria, making the system easier to specify and install consistently.

At Wildstone Ranch, SnoGard EF was used where uncontrolled rooftop snow shedding presented the greatest concern. On the south side, the system helps protect the horse facility, paddocks and gutters. On the north side, it helps reduce snow-shedding hazards around stored agricultural equipment and access areas.

The system also gives the building a clean, finished appearance while providing an engineered approach to snow retention.

How Did SnoGard EF™ Help?

- Helps manage rooftop snow and ice
- Helps protect horses, people and vulnerable areas below
- Helps protect gutters, supporting effective drainage
- Helps protect agricultural equipment and maintains safe access
- Designed specifically for PBR and other agricultural corrugated metal roof profiles
- Provides published fit-guidelines and standardized installation methods
- Prepackaged with standardized components for simpler ordering and installation
- Offers a clean, consistent alternative to light-gauge sheet metal snow retention solutions with no risk of leaks.



Long-Term Outlook

With SnoGard EF in place, Wildstone Ranch has an engineered snow retention solution that supports safer, more functional use of the equestrian and agricultural facility throughout the winter.

“With horses, people, gutters and equipment directly below the roofline, managing snow and ice is critical to us. SnoGard EF gave us a pre-engineered system designed specifically for our exposed-fastened metal roof, rather than flimsy sheet metal or expensive commercial solutions. It gives us the snow management we need and a clean, finished look on the building, matching the finish color of our roof.”

— Judy Belling, Owner, Wildstone Ranch, Larkspur, Colorado