

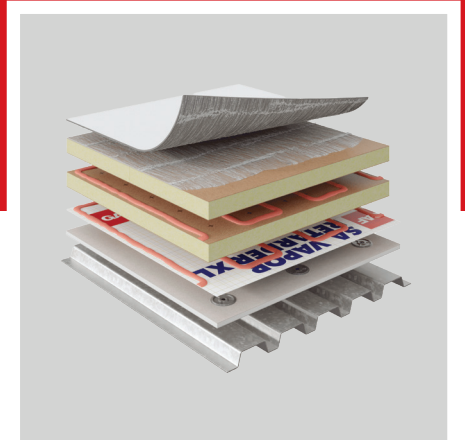
Project Profile

Strength & Security: A Resilient Roofing System for the Bozeman Public Safety Center

About the Bozeman Public Safety Center

As a critical hub for public safety services, the Bozeman Public Safety Center houses the Bozeman Police Department, a fire station, the Municipal Courts, and Prosecution and Victim Services. This 95,000 square foot facility was designed to provide long-term durability and security for the community.

Given Montana's harsh winter climate, the building required a high-performance roofing system capable of withstanding strong winds, heavy snow, and extreme temperatures. ThinkOne Architecture specified a GAF TPO system, and Summit Roofing, a GAF Commercial Chairman's Circle Roofing Contractor, was selected to install the 55,000 square foot roof.



Project Summary

- Roofing System: EverGuard® TPO 60-mil Membrane (adhered)
- Insulation: Two layers of 3-inch EnergyGuard™ Polyiso Insulation, plus EnergyGuard™ Tapered Polyiso Insulation for drainage
- Vapor Barrier: GAF SA Vapor Retarder XL
- Key Features: Extreme weather resistance, uplift resistance, and long-term durability

Job Details

- Location: Bozeman, MT
- Roof Size: 550 Squares
- Completion Date: September 2022
- System Type: TPO
- Building Type: Corporate/Office

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Project Profile

Bozeman Public Safety Center

Challenges

Installing a high-performance roof on a multi-elevation government facility presented several challenges:

- Winter Weather Conditions – Portions of this project were installed in cold temperatures, requiring special precautions to keep adhesives at the correct temperature.
- Complex Roof Layout – With ten different deck areas and various roof elevations, the project required a detailed safety plan to ensure proper fall protection.
- Supply Chain Disruptions – The project took place amid pandemic-related material shortages, requiring careful coordination to secure materials on time.

Solution:

Summit Roofing implemented a multi-layered roofing system designed for maximum longevity and performance:

- Vapor Retarder Installation – Crews applied GAF SA Vapor Retarder XL directly to the deck for added protection.
- Insulation & Drainage: Two 3-inch layers of EnergyGuard™ Polyiso Insulation were installed (mechanically attached for the first layer, adhered for the second), followed by EnergyGuard™ Tapered Polyiso Insulation in flat sections to ensure proper drainage.
- TPO Membrane Application: An EverGuard® TPO 60-mil Membrane was adhered using EverGuard® TPO Quick Spray Adhesive, ensuring a strong bond and uplift resistance.

"The system provides both the uplift resistance and longevity that is required for a government building that is expected to be in service for many years," says Mike Chrismer, Senior Territory Manager, GAF.

To manage the cold weather challenges, the team:

- Stored adhesives in a heated area to maintain proper working temperatures
- Used heat blankets for the adhesive tanks to prevent temperature fluctuations
- Implemented strict safety measures for fall protection across multiple roof elevations

"The main concern is always fall protection. This project had ten different deck areas and various roof elevations. Some roof areas required 100% fall protection; others utilized safety railing

and a preventative warning system. Weather in Bozeman is always a safety concern," explained Bill Johns, President, Summit Roofing.

Overcoming Supply Chain Challenges:

Material shortages due to the COVID-19 pandemic added another layer of complexity. Successful completion of the project required collaboration between multiple teams:

"Since the pandemic, sourcing everything has been a challenge. It took a lot of cooperation among the partners, including the general contractor, Langlas & Associates, to help unload, store and stage material for this project," says Mike Chrismer.

To ensure on-time material delivery, GAF:

- Sourced products from multiple U.S. facilities to keep the project on track
- Provided SA Vapor Retarder XL as a test project, which proved to be a successful adhesion solution

Despite the challenges, Summit Roofing and GAF worked together to deliver a high-performance, long-lasting roofing system that will protect Bozeman's essential public safety services for decades to come.

About the Contractor:

Summit Roofing, a GAF PlatinumElite™ and GAF Commercial Chairman's Circle Contractor, is a trusted commercial roofing contractor specializing in single-ply membrane systems. With expertise in large-scale, high-performing roofing solutions, they provide quality craftsmanship and superior service across the state of Montana.



"Summit Roofing was a great fit for the project because of their specialty in low-slope commercial and sheet metal roofing in Montana. ThinkOne Architecture specified and put together an adhered TPO specification which requires assembling a lot of ancillary products. As soon as Summit Roofing began to review the bid documents, they reached out to GAF with questions regarding assembly and tapered designs."

Mike Chrismer
Senior Territory Manager, GAF



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