



**COLORGARD PROTECTS WALMART PATRONS FROM 80" OF SNOWFALL**

**Protecting Walmart Patrons**

North Conway, New Hampshire receives an average annual snowfall of 80 inches. And this was creating a problem at the North Conway Walmart. Dangerous snow slides began falling on patrons of the Walmart because the small plastic snow retention devices that had been installed on the store's roof were no match for the snow volumes in this region. Store management needed to close off areas around the front entrance to prevent a dangerous incident. Then Walmart's Construction Management group, in coordination with BRR Architecture of Bentonville, AR, and general contractor, Bast Hatfield of Clifton Park, NY contacted metal roof contracting specialists Jottan-Jorel of Evans City, PA to find a safe solution.

**What Worked?**

Once the team had thoroughly assessed the problem and reviewed available options, they recommended the S-5! ColorGard® bar rail system. They chose the ColorGard system because, like all S-5! systems, it had been load-to-failure tested by an independent third party laboratory to assure it would perform in

these conditions. Additionally, load tests for the ColorGard system had been verified using the same type of roof material, from the same roof manufacturer, and with the same product configuration used at this Walmart location.

The sub-contractor and manufacturer were able to use the product-specific testing from S-5 to engineer a precise solution for the North Conway Walmart location. Because the S-5 ColorGard System could be installed year-round, regardless of temperatures or weather, the installation proceeded immediately. Thanks to a system with the proven capacity to withstand the massive New Hampshire snow loads, the North Conway Walmart was quickly able to confidently and safely reopen the front of their store without catastrophic failure and significant injury or loss.

**Long Term Outlook**

Once installed, the new S-5! snow retention system provided the store with a greater level of safety for patrons and employees from the dangers of avalanching snow. The installation was completed in a matter of days, and will perform for the life of the roof.



**At A Glance:**

**Project:**

North Conway Walmart

**Customer:**

Walmart's Construction Management Group

**Supplier:**

Jottan-Jorel of Evans City, PA

**Location:**

North Conway, N.H.

**Industry:**

Retail

**Situation:**

After years of continuously replacing Because of plastic snow retention clips that weren't up to the job, the North Conway Walmart had to shut off the front of their store to protect patrons from avalanching snow until a safe, reliable system could be installed.

**Results:**

- S-5! ColorGard was selected for it's verified snow retention capacity and the roofing contractor's positive previous experience of success.
- Unlike some systems, the contractor was able to install the ColorGard system quickly in the midst of winter and without interruption of the store operations.
- The North Conway Walmart was immediately able to safely reopen the front of their store

**Stats:**

- Location has a ground snow load of 90 psf.
- 227 linear feet of roofing
- Used S-5! ColorGard



\* See optional limited ColorGard System Warranty Program information at [www.S-5-ColorGard.com](http://www.S-5-ColorGard.com)  
\*\* Estimated count based upon on-site visit.