



“We always recommend ColorGard by S-5! as the most reliable snow retention product of its kind on the market. With unsurpassed holding strength, S-5! ColorGard is a tested, trusted and engineered product that performs for the life of the roof.”

Lisa Olson  
Metal Projects Coordinator  
Brock Associates



## At A Glance:

**Project:**  
Latrobe Elementary School (Greater Latrobe School District)

**Location:**  
Latrobe, Pennsylvania

**Supplier:**  
Petersen & Brock Associates

**Situation:**  
This area of Pennsylvania receives considerable snowfall from November through March so school administrators wanted to ensure snow wouldn't slide off their new metal roof and cause harm to the school children and school property below.

**Results:**  
ColorGard was custom designed and engineered for this project, and dramatically reduced the risk of sliding snow and rooftop avalanches. It provides safety to the school children while complimenting the look of the school's unique marquis orange roof, with a clean appearance and perfect color and finish-matching, all designed to last the life of the roof. The S-5! snow retention system did not compromise the roof integrity and is exclusively recommended by Petersen, the roof manufacturer and Brock Associates, the panel supplier.

- Stats:**
- Number of roofs: 10 sections of roof
  - Used S-5! ColorGard snow retention system
  - 800 linear feet unpunched ColorGard
  - S-5-V Clamp (605)
  - VersaClip (605)
  - SnoClip II (605)

### ■ Danger of Falling Snow

Pennsylvania Roofing Systems faced quite a challenge on this project as the acoustical deck for half the building was running in the wrong direction and required a 16-gauge hat channel installed over half of the project to ensure the correct clip attachment. In addition, school administrators were concerned about mounting snow on the new metal roof and the safety of its school children down below.

### ■ What Worked?

Brock Associates recommended Petersen's Tite-Loc Plus roof panels and ColorGard by S-5! as a snow retention solution. Manufactured from high-tensile, aircraft-quality aluminum and extensively tested for load-to-failure results, ColorGard provides safety to the school, controlling roof snow migration and dramatically reducing the risks associated with rooftop avalanches. ColorGard compliments the look of the school's unique marquis orange roof, with

a clean appearance and perfect color and finish-matching, all designed to last the life of the roof.

#### How Did S-5! Products Help?

- Provided **safety measures** to both school children and school property
- Eliminated the **risk of a voided roof manufacturer warranty\***—no holes/no damage
- Reduced the amount of product and cost required due to **S-5! engineered system capacity**
- Provided the **aesthetic solution** the architect wanted

### ■ Long Term Outlook

Latrobe Elementary School has reduced the risk of sudden and unexpected release of snow, posing a serious threat to school children and school property. The S-5! ColorGard system does not compromise the roof integrity and eliminates the risk of voided roof warranties.

\*See Optional Limited Lifetime Warranty information on the S-5! website at [www.S-5.com](http://www.S-5.com)