



PROJECT PROFILE

Stowe Mountain Lodge

Roof and Waterproofing Consulting | Stowe, VT



CLIENT

Brennan Beer Gorman Architects

BACKGROUND

Stowe Mountain Lodge is a six-story luxury ski resort that operates throughout all four seasons. The building is comprised of a private residence club and condominium units. The lodge has commercial shopping, restaurants, and a 21,000 -square-foot spa and fitness center. The lodge is at the base of several mountain ski slopes. The steep-slope roofs are a combination of laminated asphalt shingles and batten seam metal. Low-slope roofing is a ballasted thermoplastic PVC membrane.

WJE was retained by the architect of record to provide roof and waterproofing consulting as well as to assist in the design of a snow management plan to mitigate snow and ice damage to the structure and surrounding areas below the roofs.

SOLUTION

WJE architects worked with the architect of record and the owner to design an aesthetically pleasing and cost effective roof system. The architects assisted with waterproofing consulting on an as-needed basis, including the layout and design of snow and ice melting devices at critical valleys, roof eaves, gutters, and leaders, and assisted in the layout and engineering for snow control devices that consisted of fences and individual snow guards. The scope of WJE's work was expanded to assist the design and construction team to trouble shoot problematic exterior wall details. Finally, WJE assisted in bid administration and construction administration.

