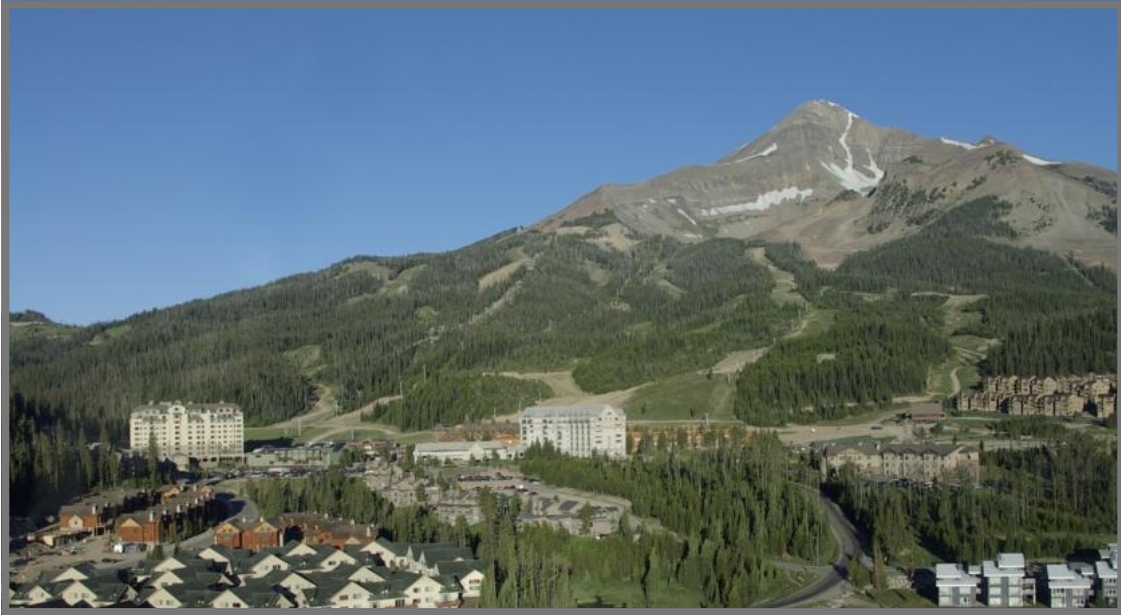


## PROJECT PROFILE: HOTEL



**PROJECT:** HUNTLEY LODGE  
Big Sky, Montana

As part of the Huntley Lodge renovation, Big Sky Resort wanted to address guest complaints about noise between guestrooms, and from the hallways into the guestrooms. Specific complaints included being able to clearly understand people talking in horizontally adjacent spaces, and the “thump” of people walking in ski boots above.

Big Sky Acoustics was hired to analyze the sound isolation provided by the existing walls and floor-ceiling constructions, and develop noise control options to reduce the transmission of sound between adjacent spaces.

**BSA’s SERVICES AND SOLUTIONS:**

- Conducted STC tests to evaluate the sound isolation properties and flanking paths of the existing wall and floor-ceiling constructions. BSA was also able to verify the existing wall construction through destructive testing.

- BSA determined design goals for the guestroom door, wall and floor-ceiling constructions to provide an excellent degree of privacy and improve low-frequency isolation characteristics.
- Specific acoustical improvements included:
  - ◇ Modifying the existing walls between guestrooms to include resilient isolation clips, QuietRock, and insulation options.
  - ◇ Removing the existing guestroom ceilings, and resiliently suspending a double gypsum board ceiling on specialty hangers.
  - ◇ Product recommendations for sealing the entire perimeter of the guestroom doors.

The Lodge was proactive in addressing the acoustical issues during renovation, in order to increase guest satisfaction.