

## PROJECT PROFILE: LUXURY CONDOMINIUMS



**PROJECT:** YELLOWSTONE CLUB LAKESIDE LODGES  
Yellowstone Club, Montana

At the Yellowstone Club, member expectations are high. The Club and the Architect understood the importance of addressing acoustical issues during design to ensure privacy and low noise levels, and to meet the expectations of premier mountain living. Big Sky Acoustics provided sound isolation and mechanical system noise control for the complex.

### **BSA's SERVICES AND SOLUTIONS:**

While working closely with the design team, BSA:

- Determined appropriate floor-ceiling construction between units to limit airborne and impact noise.
- Developed wall constructions to limit intrusive noise from elevators, mechanical shafts and public spaces, and provide confidential privacy between units.

- Provided design recommendations to control plumbing system noise, including pipe-to-structure attachment, velocity and pressure limits, and materials.
- Predicted mechanical system noise levels within units, due to air-handling systems, dry-coolers and ventilation fans.
- Specified the specific mechanical noise control measures needed, including duct lining, sound attenuators, acoustical louvers, and vibration isolators.

Hiring an acoustical expert in the design phase safeguards that proper configurations are specified for construction, making the complex functional upon occupancy, increasing property values and avoiding costly remodels to improve the acoustics.