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MCKAY CONANT HOOVER INC
Acoustics and Media Systems Consultants



This luxury ski resort is located at the base of Heavenly Mountain in South Lake Tahoe, California, and is comprised of a mix of studio, one-bedroom, and two-bedroom villas. Most villas feature balconies and fireplaces, fully-equipped kitchens, and music/video entertainment centers.

Primary acoustical concerns included design for suitable sound isolation from the outdoor noises of a lively environment, including drop-off vehicles, adjacent shopping and restaurant areas, skating rink, and pool. This led to an analysis of the variety of potential exterior noise sources and sound levels, with estimates of frequency spectrum components and event durations, with resultant recommendations for exterior wall construction and especially for cost-effective window glazing systems that also satisfied obvious concerns for thermal comfort.

One site visit near the end of construction was sufficient to address the lone mechanical system noise problem, which was associated with the hot water system, and which was resolved by correct adjustment of the vibration isolation systems under close supervision.

Reference: Mariana Vaida, TRO Jung/Brannen, Architects,
Boston, MA.

*Acoustical consulting provided as a Cavanaugh Tocci Associates project
by K. Anthony Hoover, FASA Principal Consultant.*

**GRAND RESIDENCES by MARRIOTT
HEAVENLY MOUNTAIN
LAKE TAHOE, CA**