

## PROJECT PROFILE: ART GALLERY



**PROJECT:** HOLTER MUSEUM of ART  
Helena, Montana

Since the new art gallery is used for a variety of functions, such as art displays, receptions, small musical performances, etc., the architect wanted the acoustics in the space to be ideal. Big Sky Acoustics assisted with the selection of the acoustical material and evaluated the mechanical system noise.

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

- Determined an optimum reverberation time and background noise level for the new gallery to enhance the experience of visitors in the space.
- Predicted the reverberation time in the new gallery based on the architectural plans and proposed finishes, and evaluated acoustical treatments to control reverberation and echoes in the gallery, to avoid garbled speech and excessive noise.
- Predicted the background noise level based on the mechanical plans and proposed system layout, and evaluated the effectiveness of duct liner and an acoustical plenum to control potentially excessive and distracting noise from the air-handling unit.
- Provided options and recommendations that complemented the aesthetics in the space and met the acoustical design goals of the gallery.

