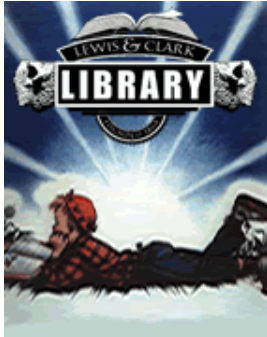


PROJECT PROFILE: **LIBRARY**



PROJECT: Lewis & Clark Library
Helena, Montana

The Lewis & Clark Library was renovated to provide more useable space and better functionality. Big Sky Acoustics (BSA) was included on the design team to address the acoustical issues of the project.

BSA's SERVICES AND SOLUTIONS:

- ◆ Completed a room acoustics analysis of the entry foyer, the conference room and the children's story time area.
- ◆ Developed computer models to analyze the reverberation times and acoustical characteristics of each space.
- ◆ Determined the amount and type of acoustical ceiling treatment options, including banners, baffles and panels, to control the reverberation and reduce the overall noise levels in the analyzed spaces.
- ◆ Completed a mechanical system noise analysis of the new air handling system. Predicted the reduction in background noise in the conference room due to quieter equipment and adding duct liner to the return air plenum.
- ◆ Evaluated the sound isolation characteristics of the wall construction between the mechanical room and the adjacent new genealogy research area. Recommended modifications to the wall constructions, door assemblies and gaskets.

The library is very pleased with the renovation and community members have noticed a significant difference in the conference room acoustics.