

Big Sky Acoustics, LLC

PROJECT PROFILE: CHURCH SANCTUARY



PROJECT: NEW COVENANT FELLOWSHIP CHURCH
Kalispell, Montana

As the first building on the new church campus, this “gymnasium” had to be designed to balance the acoustical needs of the existing and future uses. In addition to being the church’s temporary sanctuary, the space will eventually become a multi-purpose gymnasium. Big Sky Acoustics was retained to develop a cost-effective acoustical design to satisfy the room’s many uses.

BSA’s SERVICES AND SOLUTIONS:

- Determined the optimum reverberation time goal that would be needed in the new sanctuary to enhance the spoken word and musical portions of services, and to control noise in the future gymnasium.
- Developed several acoustical treatment options that would meet the reverberation time goal, and be durable enough to withstand the future abuse of the gymnasium, yet still be aesthetically appealing in the sanctuary. Included an option for the church to construct its own acoustical wall panels.
- Summarized the acoustical design in a report, explaining the benefits and limitations of each option.
- As a cost-saving measure, the church built the acoustical wall panels, using metal framing, fiberglass and acoustical fabric. Acoustical ceiling tiles were also installed to cover the entire ceiling surface.
- **The Church says that the acoustics are as good as many dedicated sanctuaries because spoken words are clearly understood throughout the space, and the music and congregational singing is lively.**

