

Big Sky Acoustics



PROJECT: GALLATIN HIGH SCHOOL - Bozeman, MT

Big Sky Acoustics was an integral member of the Design Team for Gallatin High School that was planned to accommodate 1,500 students in response to rapid community growth, and to meet 2060 growth projections. The District chose to design per the **Collaborative for High Performance Schools (CHPS)** criteria that includes Acoustical Performance requirements for Reverberation, Sound Isolation STC/IIC, HVAC background noise, and post-construction verification testing. This project was the first in Montana to utilize SoundGuard™ studs for acoustic wall assemblies that require less drywall, for a substantial material and labor cost savings.



Innovative Acoustically Designed Spaces:

- 3-Story, “Town Center” Commons - a flexible-use space designed to encourage student interaction.
- 2,500 seat Competition Gym - with metal acoustic cellular decking to maintain the industrial aesthetic without the need for additional acoustic ceiling treatment.
- Auxiliary Gymnasiums
- Choir, Band and Orchestra “Studios” - with absorptive and diffuse acoustic treatments, and connected to the flexible “Music Plaza” separated by high STC glass.
- Prefabricated acoustic Music Practice Rooms
- 3-Story Classroom “Wings” - requiring horizontal and vertical assemblies with high STC/IIC ratings.
- “Learning Street” corridors - flexible learning spaces requiring acoustic operable partitions.
- CTE Shops: Wood, Metal & Automotive with acoustic deck
- Science Laboratories
- Library
- Special Education Rooms
- Administration offices and conference rooms



Gallatin High School was built for excellence to meet the current and future community needs. The CHPS criteria ensured overall sound levels are controlled, speech is intelligible, spaces are acoustically separated, and the noise levels of the mechanical equipment is controlled.