

Big Sky Acoustics



PROJECT: EAST HELENA HIGH SCHOOL

After 10 years of planning, the District's desire for their own high school became a reality. Built for 600 students, the design encourages collaboration, project-based learning and community involvement. Big Sky Acoustics (BSA) designed the high school per the ANSI Standard S12.60 Acoustical Performance criteria, in order to control reverberation, enhance collaboration and student interactions, provide privacy and limit distractions, and control the sound levels of the mechanical system and shop equipment. SoundGuard™ acoustic wall assemblies were used throughout the building for a substantial material and cost savings.



Innovative Acoustically Designed Spaces:

- Commons/Stage/Cafeteria - with retractable seating, and designed to balance the room acoustics for the many uses.
- Competition and Auxiliary Gymnasiums - with acoustic cellular deck and innovative wall panel designs for noise control and speech intelligibility.
- Band, Choir and Practice rooms - with absorptive and diffuse acoustic treatments and high STC sound control windows.
- Classroom "Pods" and breakout spaces for project-based learning - with reverberation control for clear student/teacher interaction.
- CTE Shops: Wood and Metal - with reverberation and equipment noise control.
- Art and STEM Classrooms/Laboratories - with reverberation control for clear communication.
- Media Tech/Library - with a calming acoustical environment.
- Admin Offices/Counseling - with assemblies for privacy and sound isolation.



BSA's design included a variety of cost-effective acoustical treatments and noise control measures throughout the school to provide educational excellence for the Vigilantes. It's always great when local educational dreams become reality!