

RE: MUSIC FACILITY ACOUSTICS

TOPIC: ACOUSTICS OF WORLD CLASS REHEARSAL SPACES

**PRESENTERS: Michael Ferch, District Sales Manager
Wenger Corporation, Owatonna, MN**

**Denny Meyer, Acoustical Products Manager
Wenger Corporation, Owatonna, MN**

PRESENTATION CONTENT: A discussion of the critical factors affecting the acoustics of band and orchestra rehearsal and performance spaces.

- 1. The impact of facility design on music rehearsal and performance area acoustics**
 - a. Cubic volume and room shape and their effect on music learning**
 - b. Sound isolation issues and solutions**
 - c. Acoustical treatments for walls and ceilings**
 - d. Mechanical system do's and don'ts**
- 2. Technological advancements in the treatment of rehearsal room and performance areas**
 - a. Create flexibility of space use to suit a variety of ensemble types and sizes**
 - b. Bridge the gap between rehearsal space acoustics and performance area acoustics**
 - c. Turn less than ideal dry spaces into spaces with the reverberation times best suited for your rehearsal or performance needs**

EDUCATIONAL OBJECTIVES: The session will provide the participants with the information to:

- 1. Calculate the acoustically optimum dimensions and shape of music rehearsal spaces that promote the development of critical listening skills.**
- 2. Identify the effects of acoustic treatment for walls and ceilings, and consider the impact of mechanical systems on these critical listening music spaces.**
- 3. Understand why certain acoustic treatment solutions don't work.**
- 4. Learn why the correct combination of absorption and diffusion is critical to treating music rehearsal rooms.**
- 5. Investigate the technological advancements that allow the creation of flexible, multi-use spaces.**
- 6. Preview the technological advancements that allow the reshaping of sound to turn less-than-ideal spaces into wonderful venues.**

Each attendee will receive a complimentary copy of the 50 page Planning Guide, Acoustics Primer and Problems and Solutions Guide.

Question and answer time is planned during and after presentation.