

PERFORMING ARTS CENTER AT SIMSBURY MEADOWS

Simsbury, CT



PROJECT DESCRIPTION

This \$2 million structure is the summer home of the Hartford Symphony's Talcott Mountain Music Festival, as well as the home to other special performances. In addition to the main performance stage, this structure's future design calls for house facilities that will include a number of multi-purpose rooms which can be used as a learning center for community arts and music programs.

The stage is 2,930 square feet with raised concrete. The shell has a structural steel roof system & supports; wood clad interior and exterior walls; and stone faced concrete along the curved front of stage/shell. Its full 600 amp electric system is wired for show lighting, sound, and sound tower platforms.

Acentech consulted on acoustics to create a good balance between even sound projection to the audience and at the same time provide optimal blending, ensemble, and good listening conditions for performers on stage. We developed computer-generated models of the geometry and certain aspects of the acoustics on stage to demonstrate sound patterns to the architects and the Symphony.

We designed the permanently installed sound system in the bandshell for speech reinforcement and mono playback of prerecorded material. The system covers the depressed area in front of the bandshell. Loudspeakers are located above the stage in the roof. There are also three small speaker clusters to cover the audience area. A portable equipment rack enables operation of a wireless microphone and combination CD/cassette player from the stage.

Acentech

CONSULTING SERVICES

- Architectural acoustics
- Sound system design

REFERENCE

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