

projects



meyerson symphony center

Location: Dallas, Texas

Project Type: Renovation

Seat Count: 2062

Original Construction: 1989

Renovation Complete: 2003

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AD Scope: Loudspeaker Design

The Meyerson Symphony Center located in Dallas, TX, is unequalled as a venue for acoustic music. Since its opening the Meyerson has gained increased prominence within the community and its use has expanded beyond the traditional classical concerts to include pop concerts, jazz and ensemble performances, lectures and other events. With a more diverse mix of amplified program material, the original sound system's shortcomings began to become more pronounced.

Because of the room's very low background noise level, highly sound reflective finishes, shape and seating arrangement, it was apparent early on that a typical loudspeaker array was not the answer. The hall is very tall with complex geometry. Amplified sound could not reach the front of the room with the line arrays, so a proscenium distributed line form was adopted: three sets of speakers, suspended stage left and stage right, to cover the side wall seating for each balcony area, and a pair of speakers for the Grand Tier. Rather than trying to do a single speaker cluster, localized coverage was provided for the first 10-15 seats before the line array picks up. A great deal of time was also spent in developing delays and digital special processing, focusing on psychoacoustic effects of the unique system design.

ACOUSTIC DIMENSIONS