

projects



perimeter church

Client: Perimeter Church

Location: Duluth, GA

Project Type: New Construction

Seat Count: 2,400

Opening: 1999

Architect: BMP Architects

Contact: Steve Simmons | Director of Technical Ministry | 678.405.2159

AD Scope: Acoustics | Audio

Perimeter Church utilizes high energy music and innovative drama as a part of their worship services. Every service is preplanned and uses music elements specifically relating to the sermon of the day. On many Sundays, a small drama vignette supports the sermon. Musical styles vary from contemporary with a small rhythm section, to classical with orchestra and choir. What the congregation needed was a sound system that could handle the diversity. The sound system provides moderately high-output loudness levels, full-range frequency response and excellent articulation and high gain before feedback.

The fan-shaped auditorium presented tremendous acoustic challenges. We developed unusual ceiling shaping to reduce the sound-focusing effect of the fan-shaped auditorium and to improve the natural acoustics. The ceiling was angled down to meet the rear wall at the back of the balcony, and the rear walls were angled. Large vertical “fins” extend down from the ceiling surface to catch sound emanating from the platform and redirects them into the seating area in the same way sound is sent into the seating area in a shoebox concert hall.

ACOUSTIC DIMENSIONS