

# projects



## st. paul the apostle

**Client:** St. Paul the Apostle Catholic Church

**Location:** Gurnee, IL

**Project Type:** New Construction

**Seat Count:** 1,000

**Opening:** October 15, 1998

**Architect:** Hammel, Green and Abrahamson

**Contact:** John Justus | Hammel, Green and Abrahamson | 916.787.5125

**AD Scope:** Acoustics | Audio

St. Paul the Apostle is a contemporary catholic church. The church has a strong music program with typical instrumentation consisting of guitars, keyboards and some wind instruments. The floor plan is semicircular, with the altar extending out into the seating area, creating a strong sense of community amongst the congregation and good intimacy between all seating areas and the platform area.

There is a significant acoustical conflict in the very responsive acoustical environment needed to best support congregational participation and the need for a controlled acoustical environment for the musicians. We created a unique solution to address this conflict that creates a locally controlled acoustical environment for the musicians that is acoustically coupled to the main volume of the sanctuary through acoustically transparent sections of the walls and ceiling. The ceiling and walls have been designed to create a very responsive acoustical environment by sending strong sound reflections between the various seating areas in the congregation. The sound systems design was carefully coordinated with the ceiling design so that all of the loudspeakers are out of view.

**ACOUSTIC** DIMENSIONS