

## Lexington Catholic High School

project description | electrical and mechanical

### location

Lexington, Kentucky

### client

Ms. Sally Stevens  
Lexington Catholic High School  
2250 Clays Mill Road  
Lexington, KY 40503  
(859) 277-7183

### completion date

2001

### budget

\$6,500,000



Ms. Howlett served as the Project Manager for mechanical, electrical, plumbing, and fire protection systems for the 48,000 SF fine arts and gymnasium addition to the existing high school.

The fine arts addition included a performing arts stage, art wing, chapel, and administration area. Center corridor included concessions, Knights' store, and restrooms. The performing arts stage included state of the art theatrical dimming and sound systems. HVAC system for this area was a variable volume system with gas fired rooftop units.

The gymnasium addition included weight room and cardio training room, as well as gym offices. HVAC system utilized two stage constant volume, gas fired rooftop units. Electrical system included HID lighting system and gym sound system.

An energy management control system was designed to accommodate the addition plus future renovations and additions. The energy management system allows the outside air as required by ASHRAE 62 to be tempered only once and directed to either the gym or performing arts theater, since both are not used simultaneously.

