



BARBER & HOFFMAN, INC.
Consulting Engineers

PROJECT

St. Kilian Parish Elementary Center

YEAR
COMPLETED
2008

Cranberry Township, PA
\$14.0M



The steel-framed and reinforced masonry bearing wall structure utilizes exterior exposed structural steel throughout the facility. The gymnasium and cafeteria roof structures utilize exposed custom steel trusses with dove-tail acoustical deck. The classroom wing utilizes composite steel floor framing and deck along with steel roof framing and roof deck. A large portion of the classroom structure is expressed within the corridors and classrooms. Shallow foundations with reinforced masonry were utilized throughout the project.

PROJECT DESCRIPTION:

To meet the increasing population in the area, the two-story 82,000 square-foot elementary center was constructed and includes numerous classrooms, a library, offices, a gymnasium, a cafeteria and other support areas. The facility serves as a sanctuary and parish center until a new church is constructed.

ADDITIONAL PROJECT FACTS:

- Large portion of the steel structure utilizes exposed at the interior and exterior.
- Unique exposed steel trusses were designed for the gymnasium and cafeteria area.
- Facility located on a gradually sloping site, which creates an "walk-out" basement level.
- Design team performed many revisions to actively keep project within construction budget and schedule.

