



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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PROJECT LOCATION:

LAKEWAY, TEXAS

PROJECT OWNER:

LAKE TRAVIS ISD

ARCHITECT:

FIELDS & ASSOCIATES

GENERAL CONTRACTOR:

THOMAS S. BYRNE

COMPLETED: 2008

CONSTRUCTION COST:

\$12,931,500



Serene Hills Elementary School

PROJECT DESCRIPTION:

Pickett, Kelm & Associates provided structural engineering services for this 92,000 square foot elementary school facility in Lakeway, Texas. The classroom wing consists of two levels, with a central corridor at each level and classrooms to each side of the corridor. The roof of the classroom wing is gabled, with hips at the ends. Administrative offices, a library, cafeteria, stage, music room and a high bay gymnasium are housed at the one-story portion of the building. Children in kindergarten through fifth grade attend the school.



The project utilizes exterior insulated load-bearing tilt-up concrete panels, with interior panels at the gymnasium.

Roof framing consists of metal roof decking supported by open-web steel joists, beams and a combination of load-bearing tilt-up concrete wall panels and steel columns. Second floor framing consists of composite floor decks supported by composite steel beams, girders and a combination of exterior tilt-up wall panels and interior steel columns. The first floor consists of a ground-supported concrete slab. Mechanical platforms consist of light gage steel joist and stud wall framing, which is supported by the second floor structure. Lateral loads are resisted by the concrete tilt-up wall panels acting as shear walls.

Foundations consist of drilled piers at the columns, and grade beams supported by drilled piers at the tilt-up wall panels.

The exterior tilt-up panels are finished with a combination of paint and masonry veneer.

