



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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The Abacus School of Austin

PROJECT LOCATION:

AUSTIN, TEXAS

PROJECT OWNER:

THE ABACUS SCHOOL
OF AUSTIN

ARCHITECT: BOB RIZZO

GENERAL CONTRACTOR:
RIZZO CONSTRUCTION, INC.

COMPLETED: 2009

CONSTRUCTION COST:
\$2,000,000



PROJECT DESCRIPTION:

Pickett, Kelm & Associates provided structural engineering services for this one-story, 17,000 square foot day care center located in the Avery Ranch development between US 183A and Parmer Lane in Austin, Texas. The building includes infant, toddler and prekindergarten care rooms, offices, restrooms, gym, kitchen and laundry rooms.

Roofs over the various building areas consist of a combination of gabled, hipped and low-sloping roofs supported by steel beams and columns. Pitched roofs consist of standing seam metal over a plywood deck supported by pre-engineered wood trusses. Low sloping consist of a single ply EPDM membrane over metal deck supported by steel joists. Roof top mechanical equipment was located on the low sloping roof areas.

Exterior walls consist of light gage steel stud infill walls between the floor slab and steel beams and columns. The building foundation consists of a ground-supported concrete slab with perimeter grade beams and drilled piers for support of the columns and grade beams. A kneewall was provided where the finish floor is below the exterior finished grade. Resistance to lateral wind loads is provided by braced steel frames.

Exterior cladding consists of a combination of masonry stone, stucco and Hardie plank siding.

The building entry canopy is a prominent architectural feature of the project and consists of tube steel framing in a "V" shape, supporting steel pipe framing and a metal roof deck. The canopy framing is supported by masonry-clad steel columns.