



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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PKA was awarded a Certificate of Excellence for this project by the Associated Builders and Contractors of Austin in 2004.

St. Anthony Catholic Church Sanctuary

PROJECT LOCATION:

KYLE, TEXAS

ARCHITECT:

SPENCER GODFREY ARCHITECTS

GENERAL CONTRACTOR:

RIZZO CONSTRUCTION

PROJECT COMPLETED: 2003

CONSTRUCTION COST: \$3,500,000
(NOT INCL. SITEWORK)

PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design services for this one-story, 20,650 square foot sanctuary building. The project also included a 1,265 square foot covered veranda, a 1,500 square foot porte cochere and 1,050 square feet of breezeways.

The roof system consists of composite roofing tiles over plywood and metal decking. The superstructure consists of steel joists and beams supported by tubular steel columns. W44 and W40 steel girders, spanning the length of the sanctuary, frame each side of the center spine and support the beams framing the gabled and hipped roofs. Exposed wood glu-lam arch shaped trusses function as diaphragms between the spine girders. Stained glass clerestory windows are provided in the walls of the spine, and a cupola is provided on the high roof over the baptismal font. Lateral loads are resisted by braced frames around the perimeter of the building. Breezeway framing consists of exposed cedar rafters, beams and king post trusses supported by cedar wrapped pine posts.

The foundation consists of a concrete slab-on-grade with perimeter grade beams. Column loads are supported on straight-sided drilled friction piers.

Exterior cladding consists of a combination of masonry and EIFS backed by light gage steel studs. Large stained glass windows were provided in gabled walls at the sides of the sanctuary.

Construction was accomplished by the general contractor under a negotiated construction contract.

