



**Pickett, Kelm & Associates, Inc.**  
Consulting Structural Engineers

2337 and 2338 Combined.doc



## Buda Fire Station Nos. 2 and 3

**PROJECT LOCATION:**

BUDA, TEXAS

**PROJECT OWNER:**

HAYS COUNTY ESD No. 8

**ARCHITECT:**

SPENCER GODFREY  
ARCHITECTS

**GENERAL CONTRACTOR:**

BRAUN & BUTLER

**COMPLETION:**

2009 / 2008

**CONSTRUCTION COST:**

\$1,650,000 No. 2  
\$1,550,000 No. 3

**PROJECT DESCRIPTION:**

Pickett, Kelm & Associates, Inc. provided structural engineering for two single-level fire stations enclosing approximately 7832 square feet each.

The 4,723 square foot apparatus bays includes 3 large truck bays with roll-up doors, storage areas, and a workout room. The apparatus bay superstructures consist of pre-finished metal roofing over pre-engineered metal roof purlins and clear span rigid frames with a concrete masonry exterior cladding.

The 3,109 square feet administrative/dormitory areas include a reception area, offices, dormitory rooms, kitchen, living room, restrooms, and a training area. The administrative/dormitory areas consist of pre-finished metal roofing over pre-engineered wood trusses and plywood decking, supported by wood stud bearing walls, with 450 square foot mechanical/electrical mezzanines above the ceiling. Exterior cladding consists of a stone masonry veneer and Hardi plank siding.

Lateral resistance to wind loads is provided by a combination of transverse and longitudinal portal pre-engineered moment-resistant metal building frames and plywood shear walls over the load bearing wood studs.

The building foundations consist of concrete ground-supported slabs with perimeter grade beams. Column and bearing wall loads are supported by drilled piers. Due to the presence of highly expansive clay, Station No. 2 was placed on 14' of select fill.

The projects were delivered via CM-at-risk.