



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

PROJECT LOCATION:

SPICEWOOD, TEXAS

PROJECT OWNER:

LAKE TRAVIS ISD

ARCHITECT:

FIELDS & ASSOCIATES

GENERAL CONTRACTOR:

BARTLETT COCKE GENERAL
CONTRACTORS

COMPLETED: 2014

CONSTRUCTION

COST:\$44,363,800



Lake Travis Middle School

PROJECT DESCRIPTION:



Pickett, Kelm & Associates provided structural engineering services for this 225,000 square foot middle school campus designed to house 1,200 students. The facility includes three classroom houses, one each for sixth, seventh and eighth grade students; administrative offices; a library; a cafeteria; fine arts areas (band and choir); competition and practice gymnasiums; dance room; weight room; athletic locker rooms; an

athletics field, with concessions building; a practice field; tennis courts and two water quality ponds.

To accommodate the steeply sloping site, the school building is a split level building, with the main entry at the upper level. The structure consists of steel framed pitched roofs supported by steel columns and a combination of insulated exterior load-bearing concrete tilt-up panels and interior uninsulated panels. Suspended upper floors consist of composite steel framing. Because much of the structure is exposed throughout the school, the structural design made extensive use of acoustic roof and composite floor decking, with exposed steel trusses and cellular beams, and lightwells along the main corridors. The building also features a cast-in-place concrete rotunda with steel truss and acoustic deck roof.



Due to the topography of the site, a total of 4,900 lineal feet of site retaining walls were required, with heights of 2 to 28 feet. A combination of cast-in-place concrete and segmental reinforced earth retaining walls were used.