



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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PROJECT LOCATION:

CEDAR PARK, TX

PROJECT OWNER:

LEANDER ISD

ARCHITECT:

FIELDS & ASSOCIATES

GENERAL

CONTRACTOR:

BRATH CONSTRUCTION

COMPLETED:

2010

CONSTRUCTION

COST:

\$8,500,000



Auditorium Addition at Vista Ridge High School

PROJECT DESCRIPTION:

Pickett, Kelm & Associates provided structural engineering design services for the addition of an auditorium facility at LISD's Vista Ridge High School. The auditorium includes a stage, with gridiron level above, catwalks that connect the stage to the second level floor behind the seating area and to curved catwalks above the seating area, orchestra pit, cantilevered stage and a mechanical platform. The project encloses approximately 26,300 square feet, which includes 2,000 square feet of upper level floor area at the rear of the auditorium.

The roof structure consists of steel framing supported by load-bearing, tilt-up concrete wall panels. The gridiron level and catwalks consist of steel grating supported by steel framing suspended from the roof structure above. The upper level and mechanical mezzanine floors consist of composite concrete decks supported by composite steel framing and a combination of steel columns and load-bearing tilt-up concrete wall panels. At the time of construction, the precast concrete spandrel panel over the stage opening was the 7th largest in the world.



The first floor consists of a ground-supported concrete slab. The building foundations consist of drilled piers at the columns and grade beams and drilled piers for support of tilt-up wall loads.

The building addition was closely based on the auditorium facility at Rouse High School.

