

Education Projects (sample)

The following section presents a number of **Rivera Engineering, LLC's** representative projects, encompassing a variety of project types and clients.

New Ann Richards Middle School
Dallas, TX
Owner: Dallas Independent School District
Prime Consultant: PBK Architects
Completion: 2013
Construction Cost: \$29,444,000

Rivera provided MEP, IT and systems design for a new 185,000-square foot middle school that is serving approximately 1,250 students. Rivera's scope included layout for the electrical distribution system, classrooms, laboratories and public spaces, and design for geothermal heat pump, plumbing, lighting and controls, IT and fire protection systems. A number of sustainability strategies implemented by Rivera will save about 20% of energy, in comparison with the ASHRAE 90.1 base model, and qualify the building for certification under LEED and the TX-CHPS program. These strategies include:

- highly efficient volumetric and direct/indirect lighting fixtures;
- premier daylight harvesting and occupancy-sensing distributed solution;
- teacher control stations that optimize energy savings and the use of audio/visual technology;
- performance-grade sound and theatrical lighting systems;
- distributed geothermal ground source heat pump system;
- electronic timed sun "mecho-shades" control; and
- a selection of LED lighting fixtures.

