

Project Data

Original Budget: \$14,000,000
Original Contract: \$13,984,593
Final Construction: \$13,804,300
Original Completion: 7/1/2014
Actual Completion: 6/1/2014
Type: Renovation, Infrastructure
Upgrade, Addition
Size: 386,000 sf
Referendum: SUCCESSFUL
MEP Change Orders: \$24,034
Chapter 573 Claims: None
Litigation: None

Energy Performance

Utility Rebate: \$170,582
EUI: 29.7 kBtu/sf/yr
ECI: \$0.73 \$/sf/yr
% Better Than Code: 60%
\$ Saved: \$71.076/yr
\$1.08/sf/yr

Owner

College Community School District
Dr. John Speer
Superintendent
319 848-5202

Duane Carver, Dir. Operations
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Team

Principal in Charge
Dwight Schumm, PE, LEED AP

Project Manager
Jonathan Gettler, PE

Mechanical Engineer
Kelly Harrer, PE, LEED AP
Adam Bunnell, PE, LEED AP

Electrical Engineer
Jonathan Gettler, PE

Architect
OPN Architects
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Delivering Consistent & Efficient Learning Environments

Design Engineers is proud to have been College Community School District's go-to engineer for the past 15 years. Design Engineers has had the opportunity to design myriad new constructions, updates, and renovations for a wide range of schools within the District. A flourishing student population prompted the District to build a new K-5 elementary school in 2014.

To optimize design dollars, the District decided to use a prototype. The concept for Prairie Hill originated with the OPN-designed Prairie Ridge elementary school, with a few changes to personality elements to tweak the aesthetic appearance.

The school's design is conceptualized around experience, with large expanses of windows visually connecting the interior and exterior. Individual classroom pods are grouped around a common learning environment allowing multiple areas for student-centered learning.

The new school also includes a large instructional media center providing an exciting learning environment for students; a large multi-purpose room, complete with a commercial-grade food service kitchen and a stage area for student performances; a gymnasium for athletic programs and student performances on a larger stage; custom-picked furniture for classrooms and common areas; and an exterior courtyard for learning opportunities outdoors.

MEP scope of work included geothermal vertical loop ground loops serving terminal water to air heat pumps. Water-to-water heat pumps served a two-pipe system for dedicated outdoor air units with total energy heat recovery units. The school's full kitchen, gymnasium, and music and art areas have full fire protection from an integrated sprinkler system.