



NEW CONSTRUCTION

Entire School/Campus Building

JACKSON BROWN PALCULICT ARCHITECTS, INC.

12921 Cantrell Road, Suite 201
Little Rock, AR 72223
www.jbparchitects.com

H.F. Brown IV, AIA, LEED AP
501/664-8700

DESIGN TEAM

May Construction,
General Contractor

Engineering Consultants, Inc.,
Structural Engineer

Innovative Solutions Group, Inc.,
Mechanical Engineer

Lucas, Merriott & Associates,
Electrical Engineer

Crafton Tull Sparks & Associates,
Civil Engineer and Landscape
Architect

OWNER/CLIENT

Bismarck Public School
Bismarck, AR

Susan Stewart, Superintendent
501/865-4888

KEY STATS

Grades Served: 9-12

Capacity: 595 students

Size of Site: 19.4 acres

Building Area: 86,702 sq. ft.

Space per Student: 146 sq. ft.

Cost per Student: \$2,001

Square Foot Cost: \$137

Construction Cost: \$11.9 million

Total Project Cost: \$13 million

Contract Date: Feb. 2009

Completed: May 2010

PHOTOGRAPHY: SITLER & HENRY

HIGH SCHOOL

Bismarck High School

Bismarck, AR

Bismarck School District was in both financial and facility distress. We worked with the district in support of state participant funds and assisted in the pursuit and marketing of a millage to the community. The new facility was to be a high-performance facility that meets LEED certification requirements, offering the district energy efficiencies and cost savings. The goal was to create spaces that contribute to an enhanced learning environment for the students.

This was achieved through careful site analysis, using the natural topography and features of the site, the orientation of the structure to maximize the natural lighting in the facility, and conscious planning of the integration of the facility into the existing campus while considering future growth of the district.

We performed thorough modeling analysis on several mechanical systems and electrical strategies. It was determined that a displacement induction system unique to this region should be used and integrated with the other systems into a building automation system, yielding energy savings to the district. Finally, and most importantly, through enhanced indoor air quality, proper acoustics and lighting, and other attributes, we created spaces more conducive to the education of the students. ■

