

JACKSON SCHOOL CAMDEN, SOUTH CAROLINA

Sustainability Education for Students and the Community

Size: 80,928 SF
Budget: \$11,000,000
Bid: \$9,677,200
Completion: July 2010



Kershaw County Schools' new Jackson School will provide state-of-the-art learning for up to 650 students. Through its conscious design objectives to promote energy efficiency, conserve water, and preserve the surrounding environment, the school will be the first in the county to pursue Leadership in Energy and Environmental Design (LEED®) certification. In doing so, the school district is hopeful that staff, students, and visitors will gain an improved understanding of the built environment's relationship with nature.

High performance design elements featured in the new facility include:

- stormwater infiltration and treatment technologies to protect local streams;
- preservation of over 71 percent of the site area as forest cover/open space;
- water savings of over 40 percent from dual-flush toilets, pint-flush urinals, and low-flow lavatories;
- ultra-low solar heat gain windows, highly-reflective roofing, increased insulation, and energy-efficient mechanical systems to reduce electric and gas bills by an estimated 24 percent beyond current energy codes;
- photovoltaic solar panels that offset the electricity used by site lighting, along with solar water heating for kitchen operations;
- integrated lighting controls coupled with Solatube skylights to further conserve energy and improve the quality of the learning environment;
- recycling of waste during construction and selection of building materials with both recycled and regional content;
- wood doors and casework components certified by the Forest Stewardship Council (FSC) for sustainable harvesting practices; and
- improved indoor air quality through low-toxicity adhesives, sealants, paints, carpet and composite wood products.