

# GEORGE P. PHENIX PK-8 SCHOOL HAMPTON, VIRGINIA

## A New Standard For Hampton City Schools

*Size: 202,814 SF*  
*Budget: \$48,700,000*  
*Bid: \$39,923,487*  
*Completion: 2011*



George P. Phenix PK-8 School accommodates 1,300 students. Complete with playing fields, gyms, dining halls, as well as art, music, science, technology and reading rooms, the school is the first in Hampton City to be LEED® certified by the U.S. Green Building Council. High performance strategies that are part of the schools' design and construction include:

- preserving open space beyond the minimum required by local ordinance;
- conveniently locating bike racks and preferred parking for low-emitting, fuel efficient vehicles to alleviate automobile traffic and pollution;
- designing stormwater management systems to reduce runoff velocities and capture suspended solids;
- using a light colored, highly reflective metal roof to reduce urban "heat island" effects and help keep the building cool;
- reducing building water use by over 900,000 gallons annually through low-flow plumbing fixtures and kitchen equipment;
- employing energy-efficient technologies, such as low-e glass, increased insulation, and motion detectors to turn off lights, to achieve a modeled savings of over 15 percent on energy bills;
- carefully selecting air-conditioning refrigerants to minimize damage to the ozone layer and contribution to the greenhouse effect;
- recycling glass, plastics, metals, paper, and cardboard during school occupancy, combined with the recycling of over 90 percent of construction waste;
- including sensors for monitoring indoor air quality, to improve occupant comfort and reduce unnecessary energy use; and
- creating indoor air quality management plans to safeguard occupant health both during and after construction.

