

HOLMAN MIDDLE SCHOOL HENRICO COUNTY, VIRGINIA

County-wide Commitment to Sustainable Design



Above: Wilder Middle School (Prototype)

Size: 120,000 S.F.

Budget: \$27,000,000

Bid: \$23,215,150

Est. Completion: July 2010

The new Henrico West Area Middle School is a two-story building designed to accommodate approximately 900 students and 60 staff members. Henrico County Public Schools has recently been directed to pursue LEED® certification for all new schools.

High-performance and sustainable design strategies include:

- bicycle paths and racks as well as preferred parking and drop-off areas for low-emitting and fuel-efficient vehicles;
- stormwater management strategies that will reduce the quantity and improve the quality of stormwater discharge;
- roof colors that will prevent excessive heat gain to the building;
- lighting design to prevent light from spilling into the night sky and onto adjacent properties;
- low-flow plumbing fixtures to reduce water use by at least 40 percent;
- energy performance by selecting appropriate mechanical equipment, installing an air barrier, and using high-performance glazing and energy efficient lighting fixtures to reduce energy use by at least 14 percent;
- recycled content and regionally-produced materials during construction;
- wood products constructed of timber obtained from Forest Stewardship Council (FSC)-certified forest managers;
- low-emitting materials during construction such as flooring, adhesives and sealants, paints and coatings, and composite wood;
- increased lighting and thermal controllability to provide comfort for building occupants; and
- green housekeeping, integrated pest management and mold prevention plans to enhance and protect indoor air quality.