

HILLANDALE & MILLS RIVER ELEMENTARY SCHOOLS HENDERSON COUNTY, NC

Henderson
County Public
Schools...Where
Tomorrow Begins



Size: 80,800 S.F. each
Bid: 29,978,165 total
Completion: 2009



The new LEED Gold Hillandale and Mills River Elementary schools provide learning space for 722 students, with a core of 800 students for future expansion. Designed with 32 classrooms, a gymnasium, media center, art room and cafeteria, the two schools are the first in the county to achieve LEED® certification with the U.S. Green Building Council. The schools feature high performance design elements such as:

- energy use reduction of 25.8 percent through high-efficiency water-source heat pumps, solar hot-water preheat, increased envelope insulation, and efficient lighting with motion and daylight sensors;
- dual-flush toilets, pint-flush urinals, and ultra low-flow lavatories projected to reduce water consumption by 48 percent, or 471,000 gallons annually;
- carbon dioxide sensors and outdoor airflow monitors to improve the ventilation of indoor air spaces;
- enlarged windows, light shelves, and tubular skylights to provide the core learning spaces lighting levels through higher quality, natural daylight;
- light-colored, highly-reflective metal roofs to reduce “heat island” effects and help keep the building cool;
- joint use of the gymnasiums, cafeterias, and several classrooms to reduce the need for duplicate facilities elsewhere;
- recycling rates in excess of 80% during construction and demolition;
- Forest Stewardship Council (FSC) certified doors and wood flooring; and,
- a green housekeeping plan to enhance and protect indoor air quality.