

ST. ANNE'S BELFIELD SCHOOL

Charlottesville, VA

Completed: 2010

Project Size: 105,000-square-feet

Architect: Bowie Gridley

ICF System: Amvic

GOING GREEN WITH ICFs

St. Anne's Belfield is a four-story, 105,000-square-foot school. Educating students in preschool through 8th grade, it is also known as the Learning Village. It was a multi-building project with significant attention given to the use of sustainable technologies.

01. Quick Construction.

Construction on the new school began in 2009 and was completed in mid-2010. The school features ICF walls that make the building very energy efficient. ICF installation only took seven months of the entire construction schedule. When constructed, it was the first school in Virginia to be built with ICFs.

02. Award winning design.

The school secured LEED Gold certification and, due to the ICF system and other technologies, earned every available point in the optimizing energy performance credit.

03. Going Green.

The facility integrated several green elements, including a geothermal HVAC system, which has more than 100 wells that efficiently heat and cool the building. Large, energy-efficient windows bring natural light into the building and reduces its dependence on artificial lighting. The school also has an underground cistern that has a capacity to store 75,000 gallons of rainwater and runoff for irrigation.