

MEHERRIN RIVER REGIONAL JAIL ALBERTA, VA



Size: 156,643 S.F.
Budget: \$37,949,000
Bid: N/A
Est. Completion: 2012

The Meherrin River Regional Jail is a new facility located in the Alberta area of Brunswick County, Virginia. The facility is comprised of two buildings including a support building (administration, food service, laundry, intake and booking, medical, visitation, etc.) and a housing building (inmate dormitories and cells, recreation, and security areas). The Meherrin River Regional Jail Authority expressed the desire to incorporate high performance and sustainable strategies into the project during the design process. Therefore this project is pursuing certification under the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED®) Green Building rating system. Select high performance and sustainable design features include:

- abatement of asbestos-containing building materials from a residence previously located on the site;
- stormwater management strategies that will reduce the quantity of stormwater discharge;
- landscaping with native and drought-resistant plants that will require no installed irrigation system, therefore reducing water use;
- installing low-flow plumbing fixtures that will reduce overall water use by more than 30 percent;
- minimizing light pollution and light trespass with automatic controls and dark-sky compliant exterior fixtures;
- increasing energy efficiency by selecting appropriate mechanical equipment, installing an air barrier, optimizing building insulation, and using energy-efficient lighting fixtures to reduce energy use by at least 11 percent;
- recycling at least 75 percent of construction waste; and
- commissioning services to verify that the building's energy systems are designed, installed, and operated to their highest energy efficiency potential.