

Executive Summary:

The DEA Clandestine Laboratory Training Center is located on the Quantico Marine Corps Base in Quantico, VA. It is a one-story building with a Mechanical Mezzanine Level that encompasses approximately 34,000 sq ft. The building spaces include multiple function types such as laboratories, classrooms, office space, and physical training areas.

In this report, the design loads and annual energy consumption and costs were estimated. The building's compliance with ASHRAE Standard 90.1-2004 was also evaluated. This standard sets forth minimum energy and efficiency requirements for all building types except low-rise residential buildings. Projected LEED certification was also investigated. It was found that a possible *Gold* certification could be achieved.