



OWNER: DEPARTMENT OF THE NAVY

LOCATION: MERIDIAN, MISSISSIPPI

BUDGET: \$5 MILLION

COMPLETION: SUMMER 2011

The fitness center addition to the Naval Air Station Meridian consists of an approximately 4,650 square foot bath house addition, a 2,240 square foot cardio area addition, a 2,000 square foot racquet ball facility, and a 6,300 square foot in-ground swimming pool. All building additions were constructed of concrete masonry unit walls. The bath house addition was constructed with light gauge steel roof trusses and the cardio and racquet ball area roofs were built with steel bar joists. The in-ground swimming pool was constructed of reinforced concrete. High ground water conditions on site introduced uplift loads to the in-ground swimming pool. The swimming pool was designed per ACI 350 code and special attention was given to the use of potable water approved materials. Cornerstone Engineering was responsible for the design and detailing of all the structures listed above as well as the preparation of calculation submittals for each stage of construction and responses to the government reviews at each stage.

