

MMM worked with standard designs and revised typical module plans to create the final project design for three bachelor enlisted quarters, each one a 328-bed facility. MMM provided site surveys, coordinated the soils investigation work, and provided new foundation designs.

This project consisted of design of a 20,000 SF dormitory for unaccompanied enlisted personnel. Design included a reinforced concrete frame building, concrete floors, roof and foundation, masonry walls, fire protection, utilities and necessary support structures. The scope of work included room/bathroom combinations, closets, lounges, centralized storage, laundry, and support warehouses. A module consists of dual two-man sleeping rooms to form a four-man module. The facility consists of six stories, perimeter balconies, and stairs.




BACHELOR ENLISTED QUARTERS, BARRACKS COMPLEX

Fort Lee, Virginia

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MMM provided multidiscipline design, contract documents, and cost estimates for the construction of a 150,000 SF administration and training facility and a 105-single-room, mixed dormitory. This facility was developed by MMM for the paramilitary training of U.S. military and law enforcement officers in classroom curricula and field scenarios.



The design of this facility also included site work and associated entrance roads, parking, storm drainage, sanitary sewer, water distribution, sidewalks, landscaping and emergency power generation. The two-story building features classrooms, lecture areas, laboratories, technical shops, photography spaces, and communications areas.

This equipment-intensive training facility included:

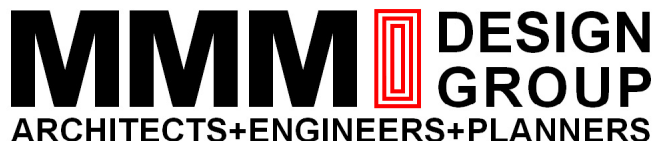
- > Raised flooring and special mechanical and HVAC systems for sophisticated computer hardware
- > Specialized CCTV and communication facilities
- > Sensitive compartmented information storage spaces, including provisions for intrusion detection systems
- > Electronic gridding to conform with strict security requirements (shielding of RF)
- > Construction administration/inspection services

EXPERIMENTAL TRAINING ACTIVITY & EDUCATIONAL FACILITY
U.S. Department of Defense
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MMM prepared design and construction documents for the expansion and addition to this facility. The basic scope of services called for a 21,546 SF expansion/addition to Building RTC-1, a World War II structure (ca. 1943) that had undergone two previous additions, one in 1948 and the other in 1994. With two stories, the roof of RTC-1 presented gabled and hipped configuration, while the exterior was a combination of brick veneer and stucco. Located within 250 feet of the Cooper River, the CSC Facility was sited within five acres of developed land and was heavily landscaped around the building footprint. Building 200, an adjacent structure, was also modified to accommodate the RTC-1 expansion.




The project proceeded in two phases: Phase I consisted of field investigation, studies, and design development, while Phase II consisted of the design and preparation of final construction and cost estimate documents. MMM services included architectural and interior design; mechanical, electrical, structural, and civil engineering; landscape beautification; physical and topographic survey; and geotechnical and environmental consultation. Additional services included a water intrusion study of RTC-1 and a power quality evaluation of the building.

NOAA COASTAL SERVICES CENTER (CSC) FACILITY

Charleston, South Carolina

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