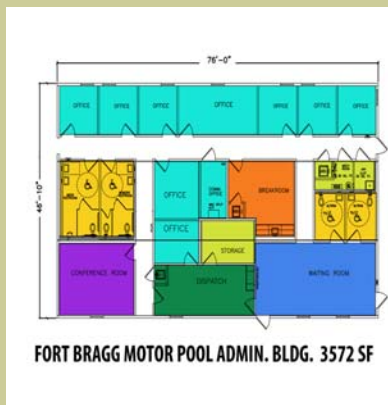


# Fort Bragg Motor Pool

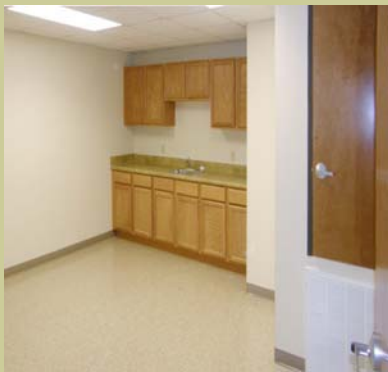


Modular Building Institute 2010 Award Winner



## Building Project Information

- Ft. Bragg, NC
- Number of Modules: 3
- Average Size of Modules: 15' x 76' x 17'
- Total SF: 3572
- Use: Motor Pool Office
- Days to Completion: 90 Days



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## Architectural Excellence:

The 3572 square foot triple wide modular Motor Pool Dispatching Office was built and installed in the historical district of Ft. Bragg and was mandated to meet specific fort historical requirements. The exterior façade of wainscot and stucco was selected in order to visually blend with the already existing architecture of the veteran fort. Approval from the historical society for the cosmetic exterior appearance and landscape plan was received. Consistent canopies, shingles, stucco color and some interior selections were required to blend in with local older buildings. Serving both as administrative offices and central headquarters for motor pool dispatching operation, the building consists of seven carpeted offices, two sets of handicapped men and women's restrooms, a conference room, a break room, a storage room, easy access corridors, a dispatch center and a waiting room.

## Technical Innovation:

The modules for the building were delivered on three separate transports with a hinged roof section pre-built in the factory on modules one and three. Completing this detail in the factory environment saved time and money for the client and resulted in an easy and efficient install. Once the building was crane set the hinged roofs were folded over and the center truss section was installed.

## Cost Effectiveness/Energy Efficiency:

The pre-hinged roof provided cost efficiency and time savings, not to mention an ingenious solution to simplifying erecting the roof on site. As a temporary building, reuse and relocatability was a factor considered in the building design. Standard size modules for building construction production allowed the customer to occupy the building in less time than standard office construction. Energy efficiency was achieved using R-30 roof insulation, R-19 wall insulation, R-19 floor insulation and low E glass windows. Fire rated sheetrock and fire sprinklers mounted into the drop ceilings were included. Wrapped sheetrock provided durability and efficiency. The short factory production time, quick set-up and finishing once on site lowered the initial set-up costs.

