

Fort Sill Military Barracks

LEED Silver Certifiable

Building "Green" for the Military



Building Project Information

- Fort Sill, OK
- Number of Modules: 300
- Average Size of Modules: 15' x 60' x 14'
- Total SF: 4 Buildings
65,000SF / 260,000 SF
- Use: Military Barracks
- Days to Completion: 399 Days



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Architectural Excellence

The (4) LEED Silver certifiable two-story barracks buildings with 65,000 square feet per building were designed and built for Fort Sill SOC. These were to accommodate rotational troops visiting the fort for Artillery training. Each building contained 108 bedrooms, two laundry rooms, a weapons vault and storage areas. The facilities included a boot wash room for troops returning from the field. Recreational amenities included two day rooms with multiple television screens, two computer laboratories with 20 internet stations in each and a multiple-purpose room which can be divided into three rooms with built-in projectors and screens in each room. Administrative areas of the building include five command office, a Drill Instructor office, a night watch room and a profile recover room for physical fitness testing. The layout of each building is T-shaped with a main entry point into a core reception area. On either sides of the T-layout are 28 rooms and 26 rooms on each floor. To blend with the existing new construction that surrounded the site, EIFS was used to create a stucco appearance.

Technical Innovation/Cost Saving Efficiencies:

Economic Practicality (high impact/low cost products and construction methods) Accelerated modular construction provided the economic factor needed to be able to create (4) large buildings consisting of 230,000 square feet that demonstrated an economic savings through the factory built, low waste method of modular construction. The comprehensive IAQ management plan both before and during the project created time efficiencies. Even with the use of energy saving equipment and products, the overall cost of the building still remained well under traditional construction methods. Compressed factory production time, quick erection and finish out once on site, lowered initial set-up costs. Qualified by the USGB as LEEDS Silver buildings, this project utilized low cost construction methods through modular factory built modules and high impact products that created heating and cooling efficiencies, managed electricity usage, utilized low-emitting materials and employed systems that resulted in water usage reduction.

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