

P-1310 PRE-TRIAL CONFINEMENT FACILITY MCB CAMP LEJEUNE, NORTH CAROLINA

Navy Pursues Gold Certification

*Size: 24,617 S.F.
Budget: \$12,600,000
Bid: To be determined
Completion: 2012*



The new 75-bed, one-story pre-trial confinement facility at Marine Corps Base Camp Lejeune will continue the Navy's ongoing commitment to environmental sustainability through high-performance design. The facility will house pre-trial prisoners from Camp Lejeune and surrounding installations and is designed with the capability of expanding to a total of 135 beds. Leadership in Energy and Environmental Design (LEED®) certification is being pursued at the Gold level. Sustainable technologies and design strategies employed in this pursuit include:

- Ground-coupled heat pumps linked to 96 geothermal wells and Dedicated Outdoor Air Systems (DOAS) energy recovery, solar water heating, LED site lighting, reduced interior lighting power density, reflective metal roofing with R24 insulation, and a continuous air barrier system to surpass Energy Policy Act of 2005 requirements of 30 percent modeled energy savings;
- Precast concrete walls, ceilings, and cell modules for improved thermal massing and reduced construction waste;
- Water-conserving plumbing fixtures throughout the facility, including showers and toilets in secure areas;
- ENERGY STAR-qualified food service equipment to further reduce energy and water consumption beyond standard equipment;
- SCS-Certified Indoor Advantage™ furniture and low-emitting building materials for healthy indoor air quality;
- Stormwater management Best Management Practices to protect water quality by infiltrating runoff on-site; and
- Diverting at least 75 percent of construction waste to the on-base recycling center and selecting building materials with both recycled and regional content.