



SOLDIER FAMILY ASSISTANCE CENTER FORT CARSON, COLORADO

42.5% reduction in energy costs
(LEED)

46.6% reduction in water use

54.5% of construction waste
diverted from the landfill

LEED Facts

Soldier Family Assistance Center
Fort Carson, Colorado

LEED for New Construction Version 2.2
Certification awarded January 13, 2011

Gold **40**

Sustainable Sites 7/14

Water Efficiency 3/5

Energy & Atmosphere 8/17

Materials & Resources 6/13

Indoor Environmental Quality 11/15

Innovation & Design 5/5

*Out of a possible 69 points

SOLDIER FAMILY ASSISTANCE CENTER

Fort Carson is Committed to Sustainable Development

FORT CARSON'S SUSTAINABILITY GOAL

Sustainable Development ("Create a community that encourages social, civic and physical activity while protecting the environment."), incorporates stormwater, U.S. Green Building Council Leadership in Energy and Environmental Design (LEED), construction, transportation and master planning into a cohesive goal. The goal emphasizes programming, designing and building LEED-certified buildings with a target of all new buildings and major renovations on Fort Carson achieving LEED certification and all new buildings and renovations achieving LEED Gold by 2017.

PROJECT BACKGROUND

The Soldier Family Assistance Center (SFAC), designed by DLR Group, is the first building completed in Fort Carson's new Warrior In Transition (WIT) Complex.

Fort Carson's WIT program provides treatment for nearly 500 soldiers, many of whom are recovering from post-traumatic stress disorder and other war wounds. The mission of the WIT is to provide primary care and case management to return soldiers to the force or aid in their transition back to civilian life. The new \$8,000,000 WIT facility contains a community center, office space and childcare for soldiers in the program and their families.

STRATEGIES AND RESULTS

In an effort to create a healthy healing environment, DLR Group's design solution included daylighting to maximize natural light into the space, and used low-VOC materials to provide high indoor air quality. The design also included the following environmentally sustainable elements: recycled-content and regionally-produced materials, efficient water systems, natural vegetation landscaping and cool roofing to reduce additional heat.

The SFAC is the second facility at Fort Carson to utilize a highly energy-efficient, closed-loop, ground-source heat pump system, which uses 36, 400-foot deep wells that transfer heat to and from the building by circulating water below ground where the Earth's temperature is constant. This facility is pursuing LEED Gold Certification from the United States Green Building Council.

ABOUT FORT CARSON, COLORADO

Fort Carson, Home to the 4th Infantry Division and several large tenant units including the 43rd Area Support Battalion and the 10th Special Forces Group, is located in beautiful Colorado Springs, Colorado. The Installation was established in 1942 through land donated by the City of Colorado Springs to the War Department after the attack on Pearl Harbor. The Mountain Post Garrison Team provides units mission support and services including quality of life programs for the Fort Carson Soldiers, Families and the community to enable forces to execute expeditionary operations and to minimize stress on Soldiers and Families in a time of persistent conflict. The Fort Carson vision is to be the "Best Hometown in the Army - Home of America's Best."



U.S. Army Engineer District, Omaha

Architect: DLR Group
Civil Engineer: Nolte Engineering
Contractor: Main/Mass a SDVOSB Joint Venture
Electrical Engineer: ME Group
Interior Designer: DLR Group
Landscape Architect: Design Collaborative
LEED Consultant: DLR Group
Mechanical Engineer: ME Group
Owner: Fort Carson, CO – United States Army
Plumbing Engineer: ME Group
Structural Engineer: MGA Structural Engineers

Project Size: 13,397 square feet
Total Project Cost: \$8,355,281
Cost per square foot: \$492

Photography Courtesy of: DLR Group

ABOUT LEED

The LEED green building certification program is the national benchmark for the design, construction, and operations of green buildings. Visit the U.S. Green Building Council's Web site at www.usgbc.org to learn more about LEED and green buildings.

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