



## DIVISION HEADQUARTERS BAND TRAINING FACILITY FORT CARSON, COLORADO

**51.0%** reduction in energy costs  
(LEED)

**51.6%** reduction in water use

**93.0%** of construction waste  
diverted from the landfill

### LEED Facts

Division Headquarters Band Training Facility  
Fort Carson, Colorado

LEED for New Construction Version 2.2  
Certification awarded January 7, 2010

**Gold 41**

Sustainable Sites 5/14

Water Efficiency 4/5

Energy & Atmosphere 11/17

Materials & Resources 5/13

Indoor Environmental Quality 12/15

Innovation & Design 4/5

\*Out of a possible 69 points

## DIVISION HQ BAND TRAINING FACILITY

# 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

DLR Group designed the Division HQ Band Training Facility at Fort Carson, Colorado. The \$5.5 million sustainable facility includes rehearsal, storage and office space for the 40-member Ivy Division Band who moved to Fort Carson from Fort Hood, Texas in the summer of 2009. Designed for superior acoustical quality, the facility is equipped with sound-proof practice rooms, three rehearsal rooms, instrument storage space, a recording studio and administrative offices.

DLR Group made the soldiers and their mission the top priority when designing their facility. The acoustical properties in the building enhance the band's ability to rehearse and train for their missions, while the sustainable features included in the facility contribute to the morale and well-being of the soldiers.

The 13,000 SF training facility was the first building at Fort Carson to utilize a geothermal heating and cooling system which uses 40, 400-foot deep wells that transfer heat into and out of the building by circulating water below ground where the Earth's temperature is constant. The building materials used for this project contained recycled content and were locally produced to create a green healthy environment for the Band. The cork flooring used throughout the rehearsal spaces was selected for its acoustical properties and is also considered a rapidly-renewable material that contributed to the sustainability of the facility. The facility received LEED Gold Certification by the U.S. Green Building Council.

### AWARDS

- Mountain States Construction, Landmark Project of 2009
- Design Build Institute of America, Rocky Mountain Region, 2009 Best Project for Public Service Buildings under \$15,000,000

### 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:** 12,600 square feet  
**Total Project Cost:** \$6,343,170  
**Cost per square foot:** \$400

**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](http://www.usgbc.org) to learn more about LEED and green buildings.

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