



**SUSTAINABLE DESIGN** •

Designed and built to LEED® Gold standard, the Headquarters facility includes some of the following features:

- Enhanced Solar Controls
- 40% Water Use Reduction
- Energy Use Reduction and Optimized Energy Performance
- Heat Island Reduction
- Sustainable Education Program
- Daylighting Controls
- Solar Diffusing Deicing
- Ecolite Wall Paneling System
- Integrated Recycling Facilities



## THANKS TO

There are so many team members that have been instrumental in making this project a success that we don't have room to name everyone. We would like to recognize and thank **all** of our project team members. A particular note of thanks to the following:

### USACE

*Biggs Area Office:* Flor Vega, Zeke Jeffery, Shakrukh Shahzada, Maj. James Krueger, and the rest of the team

*Sacramento, Ft. Worth, & Savannah Districts:* John Harris, Steve Toney, Tommie Lindsey, and the many supporting Engineers and Technical experts

*Department of Public Works:* Maria Montes and team

**The Soldiers of the US 1st Armored Division  
Engineers & Technical Experts at Jacobs Engineering**

**ISEC:** CPT. Brad Shearer, Jim McBee, Michael Hoelscher, and the other information systems experts

**RQ Construction's Operations and Design Team**  
Including GPLA, Randall Lamb, S.C. Engineers, Carrier Johnson, AVI Systems, R.E. Berg, and D.P. and Assoc.

**MSE Security and FORSCOM:** Andre Ewing, Tim Fussell, Nelson Rodriguez and other security experts.

**RQ Construction's Trade Subcontractors**  
Particularly AmFab, Ecolite, Lusardi, Bergelectric, Sigma Mechanical, PRI, Ztex, M.W. Millman, A&A Fire Systems, Thyssen Krupp, Diversified Interiors, Allied Interiors, Corner Cube, and Gale Contractor Services.



3194 LIONSHEAD AVE, CARLSBAD, CA 92010

760.631.7707

[RQCONSTRUCTION.COM](http://RQCONSTRUCTION.COM)



RQ welcomes you to the...

## Command and Control Facility 1st Armored Division Headquarters Topping Out Ceremony

Fort Bliss, El Paso, Texas





Command and Control Headquarters Rendering

### PROJECT INFORMATION •

A three-story, 143,090 SF 1st Armored Division Headquarters Facility. RQ's architectural design approach was based on Center of Standardization (COS) design for Command and Control (C2F) Facilities.

- Administrative area divided into three specified security zones
- Sensitive Compartmented Information Facility (SCIF) and TSVA Yard
- Division Operation Center (DOC)
- Secured Organizational Vehicle Parking
- Network Operation Center (NOC)
- Antenna Farm
- Large Briefing Room
- Conference and Mission Planning Rooms
- Three-story, full height lobby

### ATFP COMPLIANCE •

This project meets all UFC 4-010-01 AT/FP Requirements, including:

- Parking, landscape, and support structure standoff distances
- Exterior windows and doors meet blast performance requirements
- Wall and roof system design including progressive collapse
- Mass notification and MEP system requirements

### CONSTRUCTION SAFETY •

Over the past few years, RQ has taken many steps to improve its safety program, including adding valuable training courses and recognizing outstanding effort through a monthly safety award.

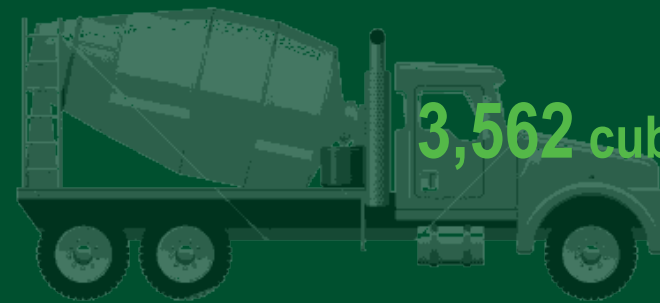
This project boasts:

- Zero reportable injuries
- Zero lost workdays
- 15,528 manhours worked to-date

## FUN PROJECT FACTS:

35,146 lineal feet of structural steel  
that is almost **7 miles** of steel

Over **3,250** bolts used  
stacked end to end they would  
reach **88 stories** high



**3,562** cubic yards of concrete

**1,221,146 pounds** (611 tons) of structural steel was used on this project  
one M1A1 Abrams Army Tank is approximately **120,000 pounds** (60-65 tons)  
that would be about **10 tanks**



## HISTORY

The Topping Out Ceremony is traced to an ancient Scandinavian practice of placing a tree or branch on the top of a new building to please the spirits of their ancestors.

They believed each tree had a spirit. The topmost leafy branch of the tree used in construction would be set on the roof so that the spirit would not be left homeless and to show sincere thanks for the lumber.

As time went on, the branches signified fertility of the land and home.

This practice was brought to the United States with European immigrants and became regular practice with barnraisings and housewarmings.

It is now mainly used to commemorate this construction milestone. The last beam is painted white and is signed by all of the workmen involved in the project.

### CURRENT SMALL BUSINESS SUPPORT PERCENTAGES •

Small Business	81.5%	(Goal 73.0%)
Small Disadvantaged Business	69.5%	(Goal 6.5%)
Women-Owned Small Business	34.0%	(Goal 7.2%)
HUBZone Small Business	0.0%*	(Goal 10.0%)
Veteran-Owned Small Business	2.1%	(Goal 3.3%)
Service Disabled Veteran-Owned Small Business	2.1%	(Goal 2.1%)

\*HUBZone goals will be met at a later scope. We are on track to meet and exceed all Small Business goals.

