

# Window Replacement 4000 Area, Window Replacement 5000 Area, Sub Panels Replacement for WWII Barracks at Camp Roberts, CA

*Prime Contractor:* Red Mountain LLC  
700 E. Dimond Blvd, Anchorage AK 99515

*Contract Number:* W91238-09-C-0029

*Original Contract Value* \$5,079,398.00  
*Current Contract Value* \$5,379,470.00  
A modification was awarded by the Government to upgrade the overhead electrical to 3 Phase power.

*Contract Award:* Sept. 30, 2009  
*Estimated Completion Date:* March 3, 2011

## *Description of Work:*

The original scope of work included removing and replacing 4,992 of the World War II wood single pane windows in the 4000 and 5000 area barracks buildings of Camp Roberts. This work included lead and asbestos abatement during the removal process. Energy-efficient, double-pane vinyl framed windows replaced the old windows.

In addition, each of the 170 buildings required a new 200 amp 42 circuit service panel replacing the buildings' existing 100 amp service panel. New circuit breakers were also installed and all circuits identified. New ground rods were installed where required. The electrical distribution system into and within the 4100, 4200 and 4300 area of Camp Roberts was also upgraded to accommodate the placement of new 200 amp service panels. This distribution upgrade consisted of replacing transformer, poles, conductor and pole hardware to repair deteriorated infrastructure



Above is one of the many buildings that required the windows to be replaced.

supporting distribution of primary circuit to quadrangle and secondary circuit with in the quadrangle of electricity to 16 enlisted troop barracks, 4 company size supply/admin buildings, one battalion headquarters building, and 4 troop mess halls.

The contract modification added upgrading overhead electrical to 3 phase power to barracks quads to include removing and reinstalling 2 existing 50 kva transformers for area lighting and adjacent building power, replacing 40 foot



The windows were removed and disposed of LBP by the abatement subcontractor.

poles with 50 foot class 2 poles, installing a 45 ft class 2 pole and installing 150 kva transformers in each quad.

This project was performed for the US Army Corps of Engineers with the ultimate customer being the California Army National Guard at Camp Roberts, California.

*Self-performed:* Our employees performed all management functions to include project management, quality control, safety and on-site supervision. In addition, our employees also moved furniture and trimmed windows to include painting and drywall repairs when needed.

*Subcontractors:* AFM Environmental, Inc. removed and disposed as RCRA hazardous waste all 2,496 wood single pane windows in the 4000 area barracks & all 2,496 wood single pane windows in the 5000 area barracks buildings of Camp Roberts.

Mike Roach Electric, Inc. performed all electrical work.

King City Glass provided and installed all 4,992 windows for the project.

*Project Reference:* COL Walter Goodwater, California Army National Guard, (916) 854-1948 phone, (916) 854-3647 fax, [walter.goodwater@us.army.mil](mailto:walter.goodwater@us.army.mil), PO Box 26901, 9800 Goethe Road, Sacramento CA 95826-9101.



This work on the above building is complete.

**Window Replacement 4000 Area, Window Replacement 5000 Area, Sub Panels Replacement for WWII Project Photos:**



New energy efficient windows were installed in place of the old windows.



Trimming the new windows



Caulking the new trim



Installing the new subpanel



Connecting the ground wire to the subpanel.



The rear-view of a building shows one of the 170 new subpanels which were also installed as part of this project.