Division Headquarters, Fort Carson, Colorado

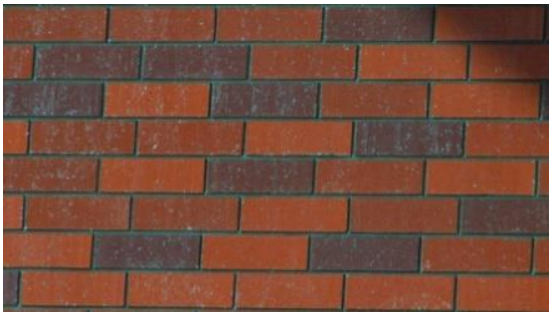
Fort Carson's Division Headquarters project consists of 57 high performance, insulated composite wall panels with inset thin brick. In order to meet thermal efficiency project requirements, CarbonCast® carbon fiber shear grid was selected for use as wythe ties within the precast panels to create a wall panel system providing a solid R-value. The minimum aggregate R-value provided was 13.0 with the use of insulated composite wall panels over the entire precast panel area.

The wall panels were set with thin brick to coordinate with other Fort Carson projects. In order to accommodate the accelerated schedule for the Fort Carson project, all wall panel fabrication, shipping, and erection were completed in the cold weather months of January and February. The contractor selected precast components for this project based on durability, compacted build schedule, and cost savings over conventional wall construction methods.

Project Facts:

Market Segment: Military

Products Used: Insulated composite walls, CarbonCast® carbon fiber shear grid



Project Design Team:

Owner: United States Federal Government

General Contractor: Hensel Phelps Construction, Denver, CO

Architect of Record: FFHSSM, Roanoke, VA

Company Information:

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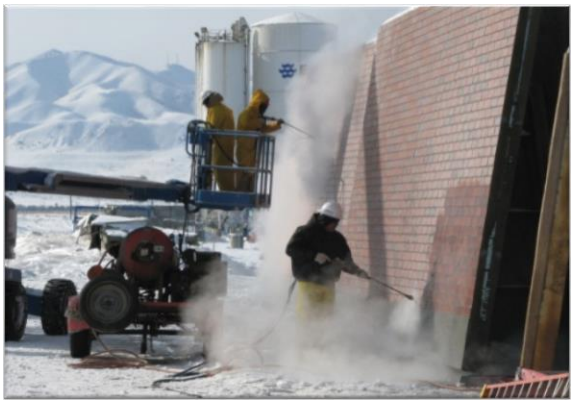

Plant fabrication allows panels to be manufactured even in the worst conditions. Casting, stripping, and field finishing are all performed at the casting facility. Wax is washed off the panels at the plant before transporting them to the job site.

The high performance, thermally efficient, insulated wall panels are produced with CarbonCast® carbon fiber shear grid. The use of the carbon fiber wythe ties and insulation creates a wall system with no thermal breaks, thus providing a steady state R-value.

A three-color integral thin brick color blend helps incorporate the structure into the existing Fort Carson architecture.