

## Cabela's gets attractive facade, high R-values with CarbonCast Insulated Wall Panels

Cabela's – The World's Foremost Outfitter – went hunting for a building exterior that would save time and money. It found CarbonCast™ Insulated Wall Panels: fully composite, carbon-fiber-truss reinforced precast concrete walls.

In CarbonCast Insulated Walls Panels, conventional shear reinforcement is replaced with non-corrosive, virtually non-conductive, high-strength C-GRID® carbon fiber shear trusses. The 1mm thick C-GRID trusses connect the inner and outer wythes to yield a 100 percent structurally composite panel. And because epoxy-coated carbon fiber is a poor thermal conductor, the panels provide an even insulation profile; they do not have problems with hot spots or cold spots that can plague other wythe connector options.

The load-bearing panels on the Cabela's projects feature a 2.5-inch outer wythe and 2-inch inner wythe enclosing 7 inches of EPS foam insulation to deliver an R-value in excess of 25.

The high R value—provided at the same cost as conventional precast which would deliver R-12 or lower—significantly reduces Cabela's heating and cooling costs—an important factor for such large buildings deep in heart of Texas.

Panel heights range from 21 feet for a majority of the retail space to 41 feet for a two-story restaurant and additional showroom space. A medium sandblast finish is used on four foot squares covering the buildings, both of which are over 145,000 square feet. Raised stars are featured on top corners.

As an alternative to conventional precast, tilt-up or masonry construction, CarbonCast Insulated Wall Panels install quickly and require only minimal space on the job site during erection. CarbonCast precast technology can also be found in architectural panels, double tees and a variety of multi-unit residential applications.



### Quick Facts

**Project:** Cabela's

**Locations:** Dallas and Buda, Tex.

**Footprint:** 182,300 sq. ft.; 145,700 sq. ft.

**Type of CarbonCast:** Insulated Wall Panels

**CarbonCast surface area:** 75,500 sq. ft.; 67,000 sq. ft.

**Architectural Firm:** Crabtree, Rohrbaugh and Associates, Mechanicsburg, Pa.

**Lead GC Firm:** Kraus-Anderson Construction Company, Duluth, Minn.

**About AltusGroup™**  
The first-ever national partnership of precast companies, AltusGroup was founded to develop, manufacture and market precast innovations such as the breakthrough CarbonCast™ line of products. With nearly three dozen structural and architectural locations in the United States, AltusGroup companies have an unparalleled national network of manufacturing plants, technical staff and sales personnel to ensure architects, engineers and contractors that they will get the help they need—and the quality and performance they expect—when they select C-GRID reinforced CarbonCast products.

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