

Jerry's Sporting Goods

Wichita Falls, Texas

"In one step, you've done your exterior wall framing, insulation and sheathing."

Kevin Darnell
President, M & F Litteken Co.

PROJECT FACTS

SIZE: 39,000 square feet

PURPOSE:
Retail, office and warehouse space

MAXIMUM WALL HEIGHT:
32 feet

PANEL DEPTH:
5 1/2 inches

WALL TYPE:
Non-load bearing exterior bypass wall

OWNER: Jerry's Sporting Goods

ARCHITECT: Buddy, Young, Sims & Potter, Inc.

CONTRACTOR: M & F Litteken Co.



PROJECT PROFILE

For Kevin Darnell, eliminating extra steps is a critical component of efficient construction. As president of M & F Litteken Co., he saw an opportunity to achieve that goal by choosing the SYNTHEON® ACCEL-E® Steel Thermal Efficient Panel wall system for the exterior walls of the new 39,000-square-foot Jerry's Sporting Goods building in Wichita Falls, Texas.

"The original drawings had specified conventional framing, but I informed the owner of what we would like to do and he left it up to me," said Darnell, who served as general contractor on the project. "He was pleased with the result, and with the speed especially."

SYNTHEON SOLUTION

The ACCEL-E panels were used as non-load bearing curtain wall on a steel frame structure. Spandrel beams carry the load, with the ACCEL-E panels used as the primary exterior wall system, which is then covered by a combination of split-faced block and brick veneer along with pre-finished metal exterior.

"It worked out really well, especially in our situation where we had a parapet that went up above the roofline," Darnell said. "It really went up fast and went up well."

From Darnell's perspective, the primary advantage that led him to recommend the ACCEL-E system was its capability for streamlining and simplifying the construction process.

"In one step, you've done your exterior wall framing, insulation and sheathing," he explained. "And the wall is going up in four-foot wide panels, as opposed to stick framing and then coming back with additional steps."

Replacing conventional framing, cavity insulation and continuous rigid foam sheathing with pre-engineered ACCEL-E panels also streamlines the construction process and can reduce labor and onsite disposal costs. Window and door openings are pre-cut, simplifying the installation of electrical, plumbing and mechanical systems.

"Unlike with tilt-up or other systems where you have trouble with electrical, we still have plenty of space with the open cavity to come in and run electrical, hang the sheet rock, and finish the inside the way we want," Darnell said.



Saving Time, Saving Labor, Adding Value

"It worked out really well... it went up fast and went up well."

SYNTHEON™

ACCEL-E®
STEEL THERMAL EFFICIENT PANEL



ADDING LONG-TERM VALUE

The building will be home to high-profile Texas retailer Jerry's Sporting Goods. It will also offer 10,000 square feet of warehouse space, along with two adjacent retail bays for other tenants. Owner and tenants alike can expect to benefit from the long-term advantages the ACCEL-E wall system adds to the building.

For example, the panels are fabricated by fusing steel framing components and expanded polystyrene (EPS) insulating panels together into a single continuous system. This design eliminates air gaps, sagging and irregularities that can greatly diminish the performance of conventional framing and insulation. As a result, ACCEL-E offers tested insulating values that surpass traditional framing and insulating methods.

While such benefits enhance the long-term advantages of the system, construction efficiency remained the primary driver from Darnell's perspective.

"The decision was made not so much on material cost, but primarily on time and speed of installation," he explained. "Anytime you can save labor, which is your big variable, the better off you will be. It's a good product," he concluded. "We would definitely use it again on future projects."

PRODUCT PROFILE

The SYNTHEON ACCEL-E Steel Thermal Efficient Panel is a lightweight, easy-to-install, high performance wall system that shortens construction time, optimizes crew use, greatly improves energy efficiency – and does it all in just one step. The secret behind the exceptional construction efficiency of ACCEL-E is an exclusive manufacturing process that combines the strength and performance of cold-formed steel framing with the superior insulation properties of expanded polystyrene (EPS). This unique fusion process provides each panel with the highest levels of engineered performance, yet delivers thermal efficiency so exceptional it exceeds new ASHRAE 2007 90.1 and IECC 2009 requirements for the building envelope. Plus, the materials used in the panels resist mold and mildew. No other wall system combines framing, cavity insulation and continuous rigid foam insulation in such an easy, one-step installation process.

The ACCEL-E panels are produced in thicknesses of 5-1/2, 6 and 8 inches, and can be manufactured in virtually any height, limited only by the mode of transport.



ACCEL-E is a contributor to LEED points.

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SYNTHEON Inc.
1555 Coraopolis Heights Road
Moon Township, PA 15108 USA
888-922-2353

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www.SYNTHEONInc.com/ACCEL-E