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Ken Rosploch
Owner, New Wall Construction

PROJECT FACTS

SIZE: 39,000 square feet

PURPOSE: Sanctuary and offices

MAXIMUM WALL HEIGHT: 48 feet

PANEL DEPTH: 8 inches

WALL TYPE: Non-load bearing exterior bypass walls

CONTRACTOR AND INSTALLER: New Wall Construction

OWNER: True Life Ministries



PROJECT PROFILE

For members of the True Life Ministries congregation in Racine, WI, the new SYNTHEON® ACCEL-E® Steel Thermal Efficient Panel wall system enabled earlier occupancy, quicker positive cash flow and reduced financing costs.

"We've got five new day care classrooms opening, and we do have a waiting list for some of the children, so the sooner we can get it open the better off we will be," said Ronald Bogard, superintendent of construction for True Life Ministries.

SYNTHEON SOLUTION

The new 39,000-square-foot building will house the congregation's sanctuary, as well as 11 new offices, a bookstore, daycare rooms, youth room and other facilities. Using the ACCEL-E system enabled the congregation to shave many weeks off the 18-month construction schedule.

"I was impressed with the way the ACCEL-E panels went up so fast," added Bogard. "We were able to cut our construction time significantly."

In addition, the ACCEL-E wall system was considerably less costly when compared to insulated concrete form (ICF), which was originally planned for the project.

A BETTER RESULT...WITH ENERGY SAVINGS

"In my opinion, after looking and researching alternatives, this is the best wall system out there for this type of building construction," said Ken Rosploch, owner of New Wall Construction, which specified and installed the panels.

Bogard concurred, adding: "I think this is going to revolutionize construction. It simplifies things... you would spend a lot of time stacking blocks and tying steel reinforcing rods in the forms before you could pump concrete. But these panels went up so quickly you could cut your construction time."



SYNTHEON™

ACCEL-E®

STEEL THERMAL EFFICIENT PANEL



Time and Cost Savings

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Ron Bogard, Superintendent of Construction, True Life Ministries



Another particular advantage was the availability of panels in virtually any height – an important consideration for the True Life Ministries building, where wall heights varied from 24 feet to as much as 48 feet.

"We required custom lengths because of a three-story prayer tower and elevator area that required a straight-through configuration, which they were able to supply without a problem," said Bogard. "So there is less chance of water intrusion since there are no horizontal seams to allow moisture to collect."

While construction cost and speed were the factors that initially attracted the congregation to the ACCEL-E system, Rosploch said that, in the long term, the energy savings provided by the ACCEL-E panels will ultimately prove to be of even greater value.

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.



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



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