

# Good Shepherd Church

Naperville, Illinois

*“They delivered the product as promised, and when we needed one partial section delivered earlier, they were able to change their shop schedule around for us to do that. They worked with us quite well.”*

Dave Piersma  
Senior Project Manager, Aspen Group

#### PROJECT FACTS

**SIZE:** 10,034 square feet

**PURPOSE:** Youth center and worship space

**MAXIMUM WALL HEIGHT:** 26 feet

**PANEL DEPTH:** 8 inches

**WALL TYPE:** Non-load bearing exterior infill wall

**OWNER:** Good Shepherd Lutheran Church

**ARCHITECT AND CONTRACTOR:** Aspen Group



#### PROJECT PROFILE

Using a new product for the first time can cause a project manager some concerns, especially on a project where timing is critical. But for Aspen Group, a leading Midwest design/build firm, the company's first use of the SYNTHEON® ACCEL-E® Steel Thermal Efficient Panel wall system was a positive experience – one they are already planning to repeat.

#### SYNTHEON SOLUTION

From the outset, timing was critical in the renovation and expansion of Good Shepherd Lutheran Church in Naperville, IL. The congregation hired Aspen Group, a design/build firm with over a decade of experience serving churches, to design and manage the project, which involved adding a new two-story youth worship center along with renovations to the existing sanctuary.

“One of the big driving factors was the time of year and weather considerations,” said Dave Piersma, senior project manager at Aspen Group. “To get this thing closed in before winter was essential, so speed of construction was a key element.”

To do that, Aspen Group recommended replacing conventional framing and insulation with pre-engineered ACCEL-E panels. By combining framing, cavity insulation and continuous rigid foam sheathing into a single

process, ACCEL-E can reduce the time required to erect walls by as much as 66 percent.

“So as soon as the panels are up we've got a closed-in insulated building,” said Piersma.

#### SUPPORT ON THE JOB

Despite the advantages, Piersma naturally had concerns since this was his company's first experience with ACCEL-E.

“On conventional construction there's no need for shop drawings, so one of my big concerns was adding another step in the process,” he explained. “But they turned around the shop drawings and did a fine job coordinating with our architects. They delivered the product as promised, and when we needed one partial section delivered earlier than planned, they were



# Speed, Efficiency and Support on the Jobsite

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# SYNTHEON™

## ACCEL-E®

STEEL THERMAL EFFICIENT PANEL



able to change their shop schedule around for us to do that. They worked with us quite well."

That support extended to the jobsite, as well.

"This was the first time our carpentry subcontractor had erected this type of system but it went smoothly," he said. "The manufacturer had people on site to do some training, which was a tremendous advantage."

Although this was Aspen Group's first experience with the ACCEL-E system, it won't be the last.

"We're already using it on another project, and looking at using it on another," Piersma said, noting that the ACCEL-E system's potential energy savings could be an additional advantage in many instances. By eliminating air gaps, sagging and irregularities, and by reducing thermal bridging and heat transference, ACCEL-E offers tested insulating values that surpass traditional framing and insulating.

### 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.



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