



REWARD WALL

Schools Nationwide are Turning to Reward Wall Systems to Achieve High-Performing Building Envelopes

It's time to start taking the building envelope seriously. The key to energy efficiency starts with securing a controlled building envelope managing heat flow, air flow, moisture flow, and air pressure. Reward's insulating concrete forms (ICF) meet the needs of high-performance building standards demanded by schools and universities nationwide. ICFs give superior energy efficiency, air quality, sound attenuation, fire resistance and storm protection to improve learning environments for students.

Recently, Carleton College in Northfield, Minn., completed two LEED Gold-certified, 91,536-square-foot student residence halls using 63,000 square feet of Reward insulating concrete form walls, as well as photovoltaic systems and a solar hot water heating system. Carleton College made the commitment to use the best in sustainable building products and ICFs were the obvious choice to meet the university's commitment to building green.

Faster Construction Schedules

ICFs are known for faster construction because they are a 5-1 wall system — they serve as the structural wall, insulation, air barrier, vapor retarder, and furring strips. But the builders of these halls also were able to keep on time by capitalizing on the insulating properties of the building system. Because of ICF's ability to insulate the concrete during construction, Carleton College was able to continue being built throughout the winter months and concrete was placed during sub-freezing temperatures. This was the key in assuring the residence halls were ready for students in the fall.

The college ran energy audits before construction and estimated a total decrease of 30 percent of all energy use based on all of the green attributes of the buildings. Currently, they have live energy monitoring systems and the buildings are meeting their expectations on substantially decreasing energy use.

Built with the Students in Mind

The University of Memphis is another notable university to realize the benefits of insulating concrete forms. Reward ICFs were used for construction of the new student residence halls, designed to LEED standards. The reason for building with ICFs revolved around improving the student experience and their commitment to being on the leading edge of sustainability.

HVAC units for the residence halls were able to be adjusted and a heat recovery system was installed to take full advantage of ICF's energy efficiency. The residence halls used the ICFs to meet building code requirements for seismic loads, as Memphis sits on a large fault line, and to add additional structural support to weather any storm. By building these incredibly safe and energy-efficient halls, it became a large selling point to prospective students. More than 460 beds occupy the superior indoor environment.

ICFs are the Smart Option

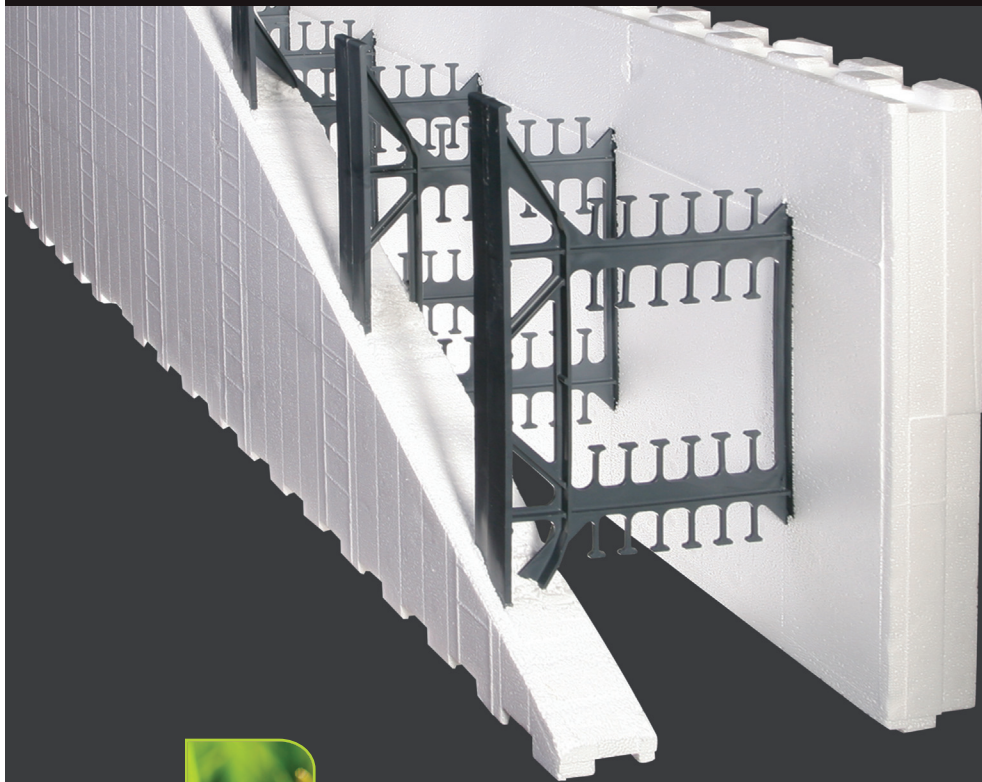
School building officials have a unique opportunity to SAVE tens of thousands of dollars of taxpayers' money per year by using Reward ICFs to build educational facilities. Studies have shown that a tight building enclosure improves the Indoor Environmental Quality (IEQ), provides better student and teacher classroom attendance, as well as better student test scores and grades.



Reward Wall Systems provides ICF building enclosure solutions, addressing four building science principles: Exterior environment, building enclosure, mechanical systems and interior environment. We are your ICF building science experts.

800-468-6344 ext.1602
www.rewardwalls.com

New Standards For Sustainability?



We're Already There.

Construction trends are pushing GREEN with more energy efficient and sustainable homes and buildings. Reward is *ahead of the curve* on building enclosure solutions for you to deliver the performance needs demanded by your customers.

Customer focused and innovation driven, Reward produces the highest quality insulating concrete forms (ICF) in the industry and gives you unrivaled customer support that allows you to construct and design projects that are:

Green — Get up to 50-80% energy savings, reduce construction waste and qualify for LEED v3 in 6 topics.

Cost Efficient — Save time and money by using Reward's universally designed 5-1 ICF wall assembly. Complete the structural wall, insulation, vapor and air barriers and furring all in 1 step!

Safe Environments — Reward ICF's can increase protection from natural disasters and have up to a 4-hour fire rating PLUS reduce air contaminants to improve air quality.



These products are covered by U.S. Patent #6,820,384

Reward ICF Defined:



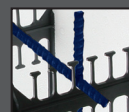
Straightforward
1-1/4" furring strips, recessed 1/2" and 6" on center allow for easy attachment of drywall and exterior finishes



Solid
Achieving a straight and square insulated steel-reinforced structural wall is easy with Reward's patented designs.



Strong
8 full length ties placed 6" on center plus foam on each side provide unmatched strength during concrete pours.



Fast
It's a snap to place horizontal rebar. With the loose fit 2-deep design, there's no need to tie the rebar.



Easy
Universal forms with no top or bottom, no right or wrong side and no left or right corner make stacking easy.

Only Reward

Delivers the most complete line of ICF building products— and construction building code approvals

Surpasses expectations in customer support — before, during and after the walls go up

Features a truly pre-assembled, fully universal insulating concrete form

Manufactures the industry's most innovative and easy-to-use metal ICF frames!

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