



# ALL-IN-ONE SAVINGS & NET ZERO PROTECTION

Residential Construction Built to Last



# DISCOVER

DISCOVER THE BENEFITS OF FOX BLOCKS  
INSULATING CONCRETE FORMS (ICFs)





Fox Blocks provides the highest quality insulating concrete forms which increase energy efficiency, enhance resiliency against extreme weather events, create occupant comfort and provide the owner a lifetime of operational savings.

As a division of Airlite Plastics, Fox Blocks is part of a family-owned company that was started in 1946. With a history of providing best-in-class products and services to hundreds of companies in North America, Fox Blocks is based in a tradition of quality, integrity and service. With manufacturing plants and staff located regionally across North America Fox Blocks is able to provide timely supply and service.



## MAKE YOUR DREAM A REALITY



Fox Blocks provides a full range of products and accessories to enable ultimate flexibility in the design and compatibility for any finishes to create your dream home. And if your dream home is filled with angles, curves and arches, we can handle that too! Almost any home design can be built with Fox Blocks ICFs.

## FOX BLOCKS ICF ENERGY EFFICIENCY AND COMFORT



Fox Blocks ICF homes are far superior to the standard home in energy efficiency because of the thermal mass of the wall assembly. A Fox Blocks ICF home keeps heat in during the winter and cool air in during the summer. Our ICF walls are insulated with a solid surface of continuous insulation on the inside and outside wall surfaces, eliminating air infiltration and heat transfer issues.

A Fox Blocks home offers an extremely quiet living environment with substantially reduced sound transmission between the outdoors and your indoor living area providing your family a calm, quiet, safe and comfortable home.

## FOX BLOCKS WEATHERS THE STORM AND PROTECTS YOUR INVESTMENT!



Weather conditions are changing and becoming more damaging. Fox Blocks offers you a safer structure that is proven to withstand the forces of nature like hurricanes, floods and tornadoes. Our ICF wall assemblies meet ICC 500 for flying debris from tornadoes and hurricanes, plus come with an up to 4-hour fire rating.

## A GREAT INVESTMENT WITH LONG-TERM VALUE!



When it's time to make one of the largest investments of your life, make the right choice and choose a product that promotes durability, resiliency and a low maintenance solution over the lifetime of the home. Not only does a Fox Blocks home retain its' value longer than a stick built home, it gives you the ability to realize your dream in a comfortable, safe and quiet environment for you and your family. When you're to make your dream into a reality, design and build for the future, choose Fox Blocks ICFs.





## LEAN CONSTRUCTION MEANS LESS TIME, LABOR, RISK AND INCREASED PROFIT OPPORTUNITIES!

The Fox Blocks wall assembly expedites the building process by incorporating many building science and construction advantages into one product - Structure, Continuous Insulation, Air Barrier, WRB, Vapor Retardant, Attachment Surface, and Reversible Interlock. This results in faster construction, with fewer trades, and a dramatic reduction in materials versus multi-layered traditional assemblies, all to achieve a high-performance wall assembly.

### FEATURES

#### Rebar Saddle

Horizontal positioning and secured placement of lap splices

#### Concrete Form

Exterior and interior

#### Continuous Insulation

Embedded full height for exterior and interior

#### Air Barrier

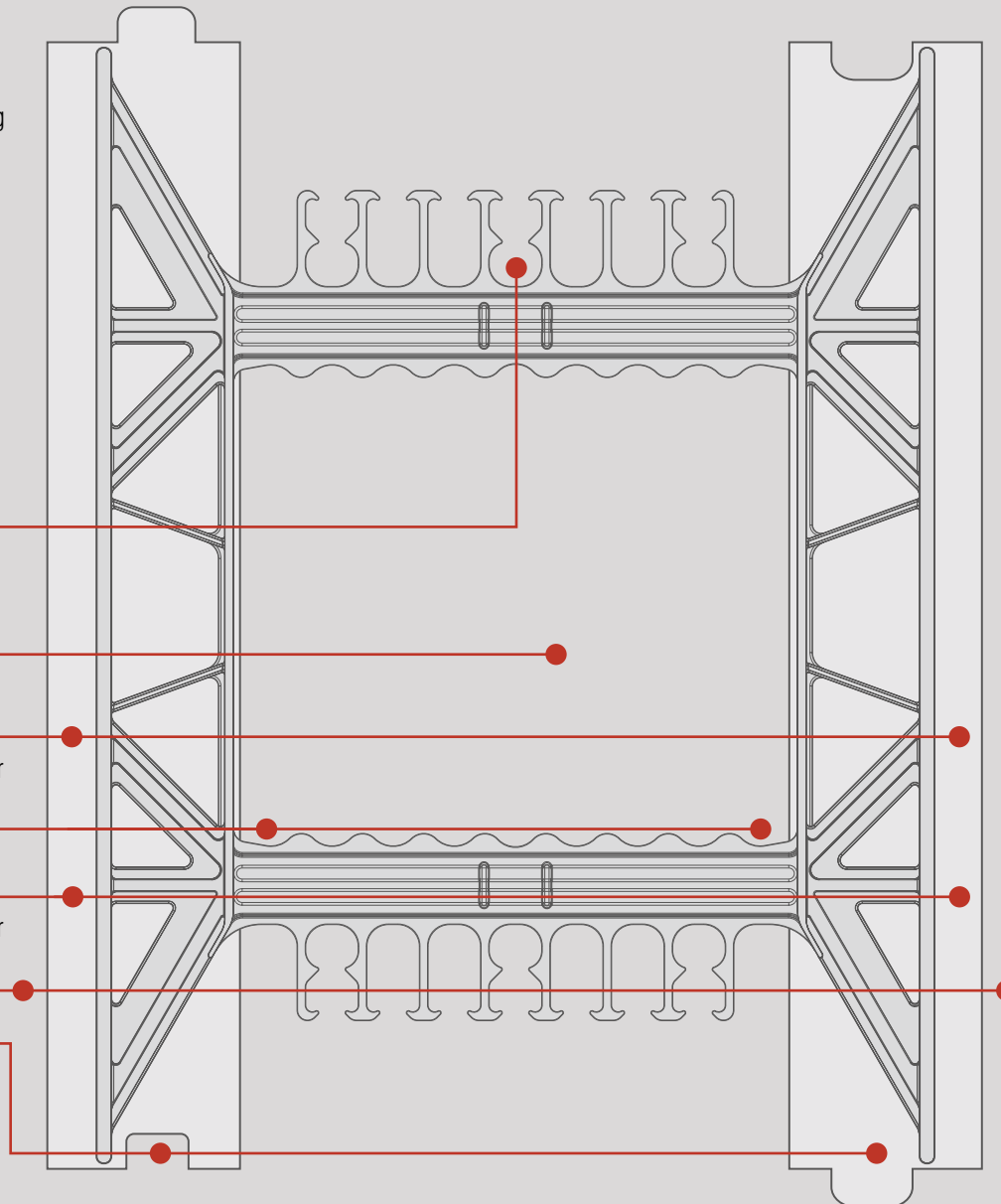
#### Furring

Embedded full height for exterior and interior

#### Vapor Retarder

#### Reversible Interlock

Reversible top & bottom interlock saves time and reduces product needs



### RESOURCES & LINKS



Find us in

**MasterSpec**

a product of The American Institute of Architects





With Fox Blocks, you'll have access to an engineer who can help you with prescriptive wall reinforcement, moisture management and building code compliance.

Specialists who can teach installation techniques online and answer questions throughout the construction process. Go to the Fox Blocks website to find the **Integrated Learning Center** with training courses to help you and your crew prepare for upcoming projects.

**FOXBLOCKSTRAINING.COM**

## FOX BLOCKS ABOVE AND BELOW GRADE CONSTRUCTION

From full basements and daylight / walkout basements to a slab on grade and up to the roofline, Fox Blocks Insulating Concrete Forms create a high performance building envelope with an integrated design process. Our ICFs provide full height continuous high performance EPS insulation, eliminating cold spots and thermal bridging on both above and below grade walls.



Fox Blocks below and above grade walls currently exceed residential and commercial building and energy codes per the IECC and NBCC. EPS Material does not deteriorate and prohibits mold, mildew and rot.

Double insulation layers enhance the concrete thermal mass, to dramatically reduce the thermal transfer rate across the wall, saving energy. Fox Blocks engineering design allows for a thinner reinforced concrete wall in most areas, reducing concrete costs. Fox Blocks provides a high performance wall assembly, starting from the top of the footing to the roof line. From below ground to above ground... we've got you covered!

## LEAN CONSTRUCTION THAT PUTS NET ZERO WITHIN REACH!

Fox Blocks Insulating concrete forms create a high-performance building envelope with an integrated design process and here's what that means for you.



Air Tight Fox Blocks wall assembly combined with quality doors, windows and a properly secured and insulated roof system.



Fox Blocks ICF assemblies provide indoor comfort and improve a home's performance by eliminating moisture intrusion, minimizing air filtration and allowing for accurate climate control and sound mitigation.

Fox Blocks ICFs address all three of the thermal transfer properties that define the energy efficiency of a home.



**Conduction** — High R-Value as a Mass Wall Assembly of R-23.5

**Convection** — Air Tight wall with an ACH of .04–.09

**Radiation** — Continuous thermal mass of concrete



The performance characteristics of our wall assembly can dramatically reduce the first cost sizing and ongoing expenses of heating and cooling systems as well as reduce the Photovoltaic (Solar) requirements and costs putting Net Zero within reach. A Fox Blocks integrated designed home, once certified, will exceed the National average for a Net Zero Ready HERS rating.



FOXBLOCKS.COM





FOXBLOCKS.COM







FOXBLOCKS.COM





**WE MUST BUILD UTILIZING NEWER TECHNOLOGIES TO SIGNIFICANTLY IMPROVE  
OUR LOCAL ENVIRONMENT AND PROVIDE A BETTER PLACE TO LIVE AND WORK.**

**SUSTAINABLE LEAN CONSTRUCTION IS REQUIRED FOR US ALL TO MAKE  
A DIFFERENCE THAT WILL BE FELT FOR GENERATIONS TO COME.**

**FOX BLOCKS WELCOMES THE OPPORTUNITY TO WORK  
WITH YOU ON YOUR UPCOMING PROJECTS.**

**LET'S MAKE A DIFFERENCE!**



**FIND A LOCAL FOX BLOCKS DEALER OR REGIONAL ADVISOR**

**FOXBLOCKS.COM**

info@foxblocks.com | FOXBLOCKS.COM  
info@truegridpaver.com | TRUEGRIDPAVER.COM  
877.369.2562 | 6110 Abbott Drive, Omaha, NE 68110

In the USA there are 2 LEED Guides for which Fox Blocks ICF can make a contribution to the project point score: LEED 2009: Reference Guide for Green Building Design and Construction for the Design, Construction and Major Renovations of Commercial and Institutional Buildings Including Core & Shell and K-12 School Projects LEED 2008: Reference Guide For Homes. Of interest to us is what sections Fox Blocks walls may make contributions to the LEED point scores. For the LEED 2009 Guide, Fox Blocks walls may contribute to point(s) in the following sections: - EA Prerequisite 2, Minimum Energy Performance - EA Credit 1, Optimize Energy Performance - MR Credit 4, Recycled Content - MR Credit 5, Regional Materials (within 500 miles of Omaha) - Schools: IEQ Credit 4.6, Low Emitting Materials - Ceiling and Wall Assemblies For the LEED 2008 Reference Guide For Homes, Fox Blocks walls may contribute to point(s) in the following sections: - ID 2, Durability: Planning, Management & Verification - EA 1, Optimize Energy Performance - EA 2, Insulation - EA 3, Air Infiltration - MR 2, Environmentally Preferable Products - MR 3, Waste Management - EQ 10, Garage Pollutant Protection. Total points available in USGBC LEED NC 3.0 are 110. Thresholds for certification are as follows: LEED NC 3.0 Certified 40-49 Points LEED NC 3.0 Silver 50-59 Points LEED NC 3.0 Gold 60-69 Points LEED NC 3.0 Platinum 80+ Points