

RESNET[®]

RESIDENTIAL ENERGY SERVICES NETWORK

2019
Conference

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ENVIRONMENTS FOR *Living*[®]

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Background

ENVIRONMENTS FOR *Living*®



**BUILDING SOLUTIONS FOR
BETTER HOMES.
AND BETTER LIVING.**

When it comes to a new home, green isn't just the right thing to do. It's the smart thing to do. Both for the people who build homes and the people who live in them.

That's why the *Environments For Living*® program was developed. It's the only national turn-key program designed to assist builders in constructing energy-efficient homes using the principles of building science. And it's leading the way in helping builders construct homes that are more comfortable and more durable than homes built using conventional methods.

Plus, our new flagship level, the *Environments For Living*® *Certified Green* program, adds requirements for indoor environmental quality, interior water conservation and appliance efficiency. Because a green home isn't just better for the environment. It's better for everyone.

[TAKE THE VIRTUAL HOME TOUR ▶](#)

For Homebuyers & Owners 60 ▶

For Builders & Professionals 60 ▶



EFL 101





3 YEAR PLATINUM LIMITED HEATING & COOLING ENERGY USE & COMFORT GUARANTEE¹

ENVIRONMENTS FOR *Living*[®]

Home Address

Registration #

Plan Name

Gas Provider

Electric Provider

Annual Guaranteed
Heating/Cooling Energy Use
("Guaranteed Usage")

Electric
(kWh)

Natural Gas
(CCF)

Estimated Average Monthly
Heating/Cooling Cost²

HERS[®] Index score
for this plan³

62

REGISTER YOUR HOME TODAY

To activate this Limited Guarantee you must register your Home at environmentsforliving.com/register or by calling (866) 912-7233 within 30 days of the date you close on the purchase of your Home. By registering your home, you agree to the terms and conditions set forth in this limited Guarantee including but not limited to the binding arbitration provision. For more information about the Environments For Living[®] program, visit environmentsforliving.com.

¹ This Limited Guarantee is subject to the terms and conditions set forth on this page and the second page of this guarantee. ² This cost is strictly an estimate and will vary with your actual cost of energy. This heating and cooling cost is based only on the utility rates above and does not include taxes, surcharges or other fees charged by your utility providers. ³ The HERS Index score is a scoring system established by Residential Energy Services Network (RESNET), a third party, in which a score of 100 is what a standard new home built to code would score, while a score of 0 is a new home that has net-zero energy use. The HERS Index score shown is calculated for the home plan as designed, not as built, using software approved by RESNET. This software assumes certain conditions and requires inputs specified by RESNET. The actual energy efficiency of your home as built, and your energy use, will vary depending on, among other things, occupancy, location, orientation, and specific as-built features and characteristics, and may be higher or lower than the HERS Index score shown above. TopBuild Home Services, Inc. does not guarantee the actual HERS Index score for the home as built. The HERS[®] Index is a registered trademark of RESNET.

Building Science







Program Levels



Gold – 15% more efficient than the 2006 IECC
(Must obtain a score of 85 or below on the HERS scale.)



Platinum – 30% more efficient than the 2006 IECC
(Must obtain a score of 70 or below on the HERS scale.)





Diamond – 30% more efficient than the 2009 IECC (Must obtain a score of 65 or below on the HERS scale.)





Certified Green – 20% more efficient than the 2009 IECC (Must obtain a score of 68 or below on the HERS scale.) 20% emissions and water usage reduction.

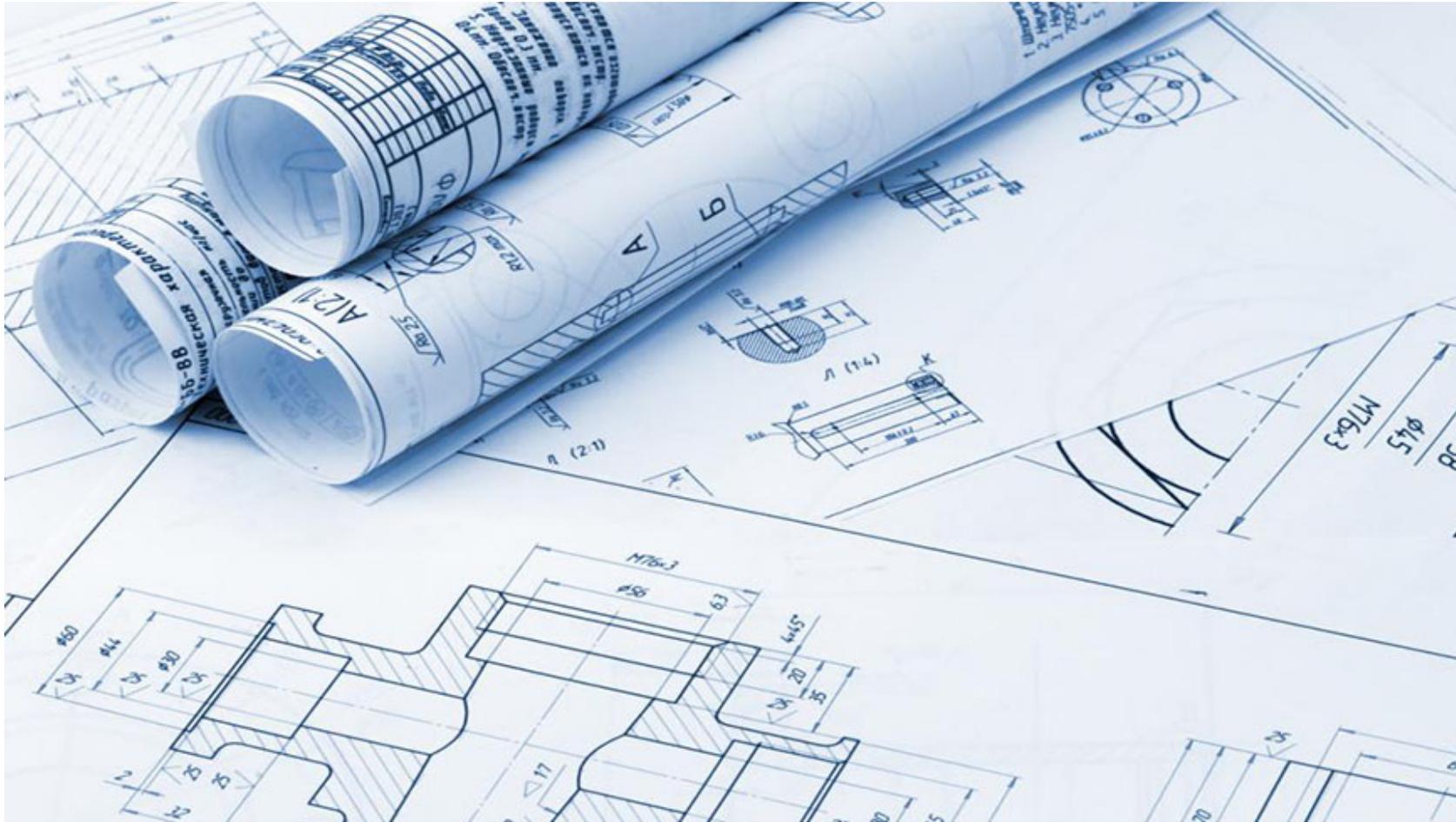




Beyond– 15% more efficient than the 2015 IECC (Must obtain a score of 55 or below on the HERS scale.)



Certification Process



Performance Targets



- ELA
- Duct leakage to outside
- Total duct leakage
- Room pressure













K4 (Indoor Environmental Quality)



INDOOR ENVIRONMENTAL QUALITY

Spot Ventilation

Spot ventilation in kitchens and bathrooms moves moisture from showering and cooking out of the home.

All levels of the *Environments For Living* program require fresh air ventilation throughout the home, and spot ventilation in the kitchen and bathrooms. Kitchen and bathroom ventilation must be capable of exhausting to the outside a specific volume of air at a specific rate.

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Further details on program requirements for complete details.

Low-E Windows

The "E" stands for "emissivity" but low-E really means energy efficient.



ENERGY EFFICIENCY

The *Environments For Living* program requires low-E windows that have a solar heat gain coefficient (SHGC) of 0.53 or lower in cold climates, and 0.40 or lower in other climates.

Further details on program requirements for complete details.

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Low-Flow Showerheads

Showerheads using the latest technologies can help save water without compromising performance.

The *Environments For Living* Certified Green program requires showerheads that supply 2.0 gpm (gallons per minute) or less at a pressure of 80 psi—more efficient than typical 2.5 gpm low-flow showerheads. The program also requires that showerheads have an automatic compensating valve to protect against scalding.

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Further details on program requirements for complete details.



WATER EFFICIENCY



That's all Folks!