



THE GREEN DOCTRINE

Cutting Edge Homes, inc. has been an industry leader in “Green Building” since we built the first “off-grid systems built solar home” in southern California in 2003, and we remain committed to continually providing building systems that are greener and cleaner.

As the building industry continues to evolve, we are here to help you build a clean, green, and healthy home within the reality of your budget. Please speak with your local Cutting Edge Homes Client Services representative about our building systems that help to protect the you and the environment. We are constantly expanding our green building capabilities and we want to share with you our most recent advances in green building.

Here are some of minimum green guidelines that we try to use on every one of our projects.

- Minimize Construction Waste
- Recycle Construction Waste
- Use Recycled Products whenever possible
- Use Non-Toxic Products
- Install Energy Efficient Appliances
- Maximize Energy Efficiency in the Building Envelope
- Reduce Waste Through Proper Project Planning

...but that is only the beginning. Please review the following pages to see how each of our building systems assist in minimizing the carbon footprint of your home building experience.

SKYLINE HOMES

Commitment to the Environment

<http://www.cuttingedgehomes.net/skyline-modular-homes.php>

Skyline Homes is constantly working to build green by improving the production process of building a home to reduce and recycle material waste, reduce the consumption of energy it takes to build a home, and to use healthy materials. Green Construction is best described as always finding better construction methods and energy efficient materials to decrease the home building and home ownership impact on the environment, and to make the home healthier to live in for its occupants.

We design and build with green principles in mind. Green Construction is much more than installing just our insulation made from recycled paper. Many materials we use to build a home, such as adhesives, paints, caulks, and sealants are water based and rated as having low to no Volatile Organic Compounds (VOCs). Building with modular construction reduces subcontractor trips to the jobsite, which results in less fuel consumption to build your home and less traffic, trash, and noise impact on your neighborhood. The precision at which our modular homes are built and our multi-stage inspection process insures a tight fitting home that doesn't leak, which keeps your heating and cooling costs in check.

Energy Star Homes

At Skyline, our homes are built to maximize energy efficiency. To earn the **ENERGY STAR**, a home must meet guidelines for energy efficiency set by the U.S. Environmental Protection Agency. These homes are at least 15 percent more energy efficient than homes built to the 2004 International Residential Code (IRC), and include additional energy-saving features that typically make them 20-30 percent more efficient than standard homes. Skyline achieves this by using...

- Top-Grade Insulation
- Extensive caulking and tight construction to eliminate unwanted drafts
- High-Performance Windows and Doors
- Use of UL and Energy Star approved materials including low-escape air ducts
- Furnace with Deluxe Fresh Air Exchange system

Additional upgrades are available to meet more rigorous EPA energy standards of a Qualified Energy Star home. This requires separate 3rd party testing on-site by an energy rater, and can require these factory options:

- Super high efficient furnace with tested ducting
- Programmable thermostat
- Energy Star Appliance Package

DISCOVERY CUSTOM HOMES

Earth Advantage Features: Standard

www.cuttingedgehomes.net/discovery-custom-modular-homes.php

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| <ul style="list-style-type: none">• Energy Star Features Plus• 50 Gallon Energy EE W/H• (3) Dedicated E.E. Lights• Timbered Whole House Fan• (4) Screw In E.E. Light Bulbs• R-40/R-21/R-38 Insulation• Certified Ducts | <ul style="list-style-type: none">• Ceiling Air Return• Enerfoam Sealants• Sill Seal Construction• Receptacle & Switch Gaskets• Programmable Thermostat• Water Heater Switch• Vinyl Low E Windows |
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More about Earth Advantage:

Energy efficiency

At minimum, an Earth Advantage home is designed to improve energy efficiency by 15 percent over a conventionally built home. The incorporation of products such as energy-efficient windows, appliances, mechanical systems and light fixtures can add up to lower energy usage and greater comfort year round.

Indoor air quality

The air inside your home makes a difference in how you feel every day, and indoor air quality is a high priority in the construction of an Earth Advantage home. With options like air filtration systems, controlled ventilation and low-toxic building materials, an Earth Advantage home may allow you to breathe a little easier.

Environmental responsibility

The same building materials in an Earth Advantage home that improve indoor air quality also contribute to a cleaner environment, as less toxic products reduce atmospheric pollutants. Earth Advantage homes may also employ site measures that minimize environmental impact such as recycling job site waste, preserving topsoil and trees, and adding native plants to the landscape.

Resource Efficiency

Highly efficient appliances save energy and conserve our region's resources. Many items can be made with a high-recycled content, such as carpet crafted from plastic pop bottles, ceramic tile, paint and insulation. Flooring made from bamboo can make a big difference by minimizing the use of timber. Ask us what other materials have great environmental performance and long-term value.

PANEL SYSTEM HOMES

Green Structural and Insulation Systems

www.cuttingedgehomes.net/smart-panel-homes.php

Smart framing panels offer another way to green your project. Panels dramatically reduce waste, allow for unlimited plan customization, result in straighter and truer walls, and typically include premium green building specifications as standard. Versus modular homes, panels have total design flexibility and lend themselves perfectly to Green Building. The main draw-back is that more finishing work has to be done at the job-site, increasing time and costs vs. modular construction.

We offer two different types of panelized framing systems and one concrete wall system:

SmartPanels – A ultra-fast traditional wood framing system that can be used to build any plan, even ones that were already drawn without considering SmartPanel construction.

SmartPanel Benefit Summary

24' long wood framed panels	Factory installed windows / sliding glass doors
Pre-framed wood interior walls/trusses	Low VOC caulks and adhesives from Greenseries
All factory waste recycled	Long-lasting, high performing shell
Electrical chases auto-drilled out	Installed through rough framing in a few days
SFI certified wood is standard	Optional drywall on one-side of interior walls

SIPs Panels – Structural Insulated Panels, or SIPs, are foam-core structural panels sheathed on both sides in Oriented Strand Board (OSB). SIPs are extremely energy efficient, light, and twice as strong in shear value as compared to a standard wood-framed wall. SIPs are excellent vaulted ceiling panels used in conjunction with other panel and wall systems.

ICFs – Insulated Concrete Forms, or ICFs, are foam blocks with a void in the middle that is filled with poured concrete. ICFs commonly used to form basement and crawl-space foundation walls.

ICFs Benefit Summary

Quick, easy to install	Form well-insulated shell around foundation
Common for basements and crawl-space	Strong moderation of winter/summer extremes
Can be used for above-grade walls	High mass retains homes heat well in winter
Walls are 700% of wood shear values	Can be used for curvilinear/rounded walls
Concrete is a local material	Keeps trees from being cut down

Ask your architect/design professional about integrating the following specifications into your building plan, or you can ask our in-house designer Coast Design.

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| • Proper Building Site Selection. | • Increased Insulation. |
| • Minimizing Construction Waste. | • Passive Solar. |

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| <ul style="list-style-type: none"> • Recycling Construction Waste. • Using Recycled Products. • Using Energy Efficient Appliances. • Volatile Organic Compounds (VOCs) Content. • Choosing Low Maintenance Products. • Choosing Long Life Cycle Products. • Choosing High Durability Products. • Moisture Resistant Products. | <ul style="list-style-type: none"> • Solar Electricity. • Using Certified Wood. • Using Renewable Resources. • Using Regional Materials and Labor. • Water Efficiency. • Innovation in Design. • The Use of Skylights for Natural Light. • The Use of Attic Fans Instead of A/C. Etc. |
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CUTTING EDGE HOMES, INC. THIRD PARTY VERIFICATION

Cutting Edge Homes is a U.S. Green Building Council Member, and we advocate several green building programs. Please ask your Client Services rep how you can get your project certified/approved through one of the following third party organizations. We are open to other certification programs that promote sustainable, green building practices.

1. Build It Green
Program: GreenPoint Rated
<http://www.builditgreen.org/greenpoint-rated>
2. U.S. Green Building Council
Program: Leed for Homes certification
<http://www.usgbc.org/LEED/homes/>
3. Energy Star
Program: Energy Star certified homes
http://www.energystar.gov/index.cfm?c=new_homes.nh_benefits

We work with these organizations whenever possible to ensure that your home is built to the highest possible construction standards.

We look forward to being of assistance to you when you build your healthy and green home.

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