



Baldwin Homes Green Designer Show Home Eco-Features

1	Vegetated Swales- An amenity to the community, these man made swales are designed to help the management of the storm water.
2	Recycled Asphalt- 30% post-industrial recycled content asphalt that is manufactured locally within 5 miles of the jobsite.
3	Low Impact Irrigation System – Designed by an EPA Water Sense Certified Partner to use as little water as possible.
4	Native Landscaping- Species that originate or occur naturally in Anne Arundel County.
5	Eco-Friendly Pavers- Permeable pavers that will allow runoff to drain back into the ground naturally.
6	Dow Structurally Insulated Sheathing- 1/2” Structurally insulated sheathing with an R3 insulation value which will help reduce thermal bridging.
7	Certainteed Fiber Cement Siding and Trim- An environmentally friendly, recycled content product; that has exceptional curb appeal and durability.
8	Environmental Stone Manufactured Stone- A man made product that adds another layer of insulation from the exterior weather elements.
9	12” Roof Overhangs- A standard on all Baldwin built homes, the overhangs help protect and shade the home from the elements.
10	Certainteed 30 Year Roof Shingles- Made of pre- and post- consumer recycled products with a long life cycle.
11	Hanover Pavers- Besides adding a decorative element to the rear of the house, the pavers are light in color which help with the heat island effect (The amount of light reflected or absorbed in a material)
12	Rain Barrels- Utilized to help collect the excess rainwater from impervious areas, such as the roof so it can be reused for watering the garden, etc.
13	Burried Cistern- Cisterns are often built to catch and store rainwater. This cistern will help offset the water needed for the irrigation system as it captures the rain water from the houses gutters.
14	Third Party Performance Testing- Required to verify the builder is in compliance with green programs, inspections are done at Framing and house completion.
15	Lutron RadioRA® 2 Lighting Control System- A wireless lighting control system makes it easy to manage your homes lighting to maximize savings.
16	Pella Low E Windows and Doors- Through the use of a the low-e (low-emissivity) coating, homeowners will be more comfortable home, and save on their energy bills.
17	Pella Sun Defense Windows on South Facing Windows- Through the use of additional glazing and argon gas the windows on the south side of the home will have additional insulation to help prevent the transfer of heat.
18	Future Solar Chase- As solar becomes more affordable we have installed a chase in this home to allow the homeowners to install photovoltaics.
19	Beam Central Vacuum System- A central vacuum system has been installed to improve the indoor air quality of this home.
20	Duct work is Metal Trunk Lines in Conditioned Space- All the homes duct work is enclosed within the homes conditioned space for increased energy efficiency.
21	KCMA Certified Decora Cabinets- Kitchen Cabinet Manufacturers Association monitors the Performance & Construction Standards for Kitchen and Vanity Cabinets.
22	ECO™ by Cosentino Countertops- A durable surface made of 75% recycled content composed of post-industrial or post-consumer materials and is bound by an environmentally friendly resin which comes in part from corn oil.
23	Recycled Ceramic Tile- The ceramic tile installed in this homes kitchen has been made with recycled content.
24	Kitchen and Garage Recycling Center- A double trash can has been included in the kitchen. Larger recycling bins have also been placed in the garage for easy use.
25	Bosch Energy Star Appliances- The dishwasher and Refrigerator are Energy Star, helping to save up to 25% on water and energy conservation.
26	FSC Certified Lumber- (Forest Stewardship Council) Lumber that has been responsibly managed, harvested, milled from the supplier to the end user.
27	Weaver Precast Panelized Construction - The exterior walls were designed and built in a factory from concrete, where there were preinsulated and studded providing an Insulation Value of R-21.3. They were trucked to the site and assembled onsite.
28	Reclaimed Wood Built-ins- The wood to make the built-ins was purchased locally and was reclaimed from a factory in Baltimore.
29	Recycled Drywall- Made of 99% pre- and post- consumer recycled content and made locally within 300 mile of the jobsite.

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30	Low VOC Drywall Mud- The mud used is environmentally friendly as it is a low voc, low odor, water based adhesive.
31	Progress Energy Star Light Fixtures and Ceiling Fans- All the decorative light fixtures and ceiling fans in this home are using Compact Fluorescent Light (CFL's) bulbs providing cost savings for the homeowner.
32	CFL Light Bulbs- CFL's generate about 75% less heat, have a longer bulb life, and most last around 10,000 hours, providing great energy savings.
33	Gas Fireplaces- All the fireplaces in this home are sealed gas fireplaces to help promote a healthier indoor air quality.
34	Mirabelle Low Flow Shower Heads and Faucets- Low flow faucets typically use about 20% less water, with equal or superior performance.
35	Uponor Plumbing- Cross-Linked Polyethylene pipes are used for the general supply lines of the home, allowing for fewer fittings, more flexibility, and reduced heat transfer.
36	Shaw Recyclable Carpet- Made of Nylon 6, a recyclable carpet fiber. Carpets made from recyclable carpet fiber are capable of being returned to carpet production.
37	Green Guard Pad- The Mohawk bonded pad installed throughout is made from approximately 90% post-industrial recycled material.
38	Mirabelle Low Flush Toilets- All the bathrooms are equipped with low flush toilets to help with water conservation, 1.1 gallons or less per flush.
39	Energy Star Washer- Qualified washing machines will save homeowners on utility bills, while reducing their amount of water usage per load.
40	Marmoleum Flooring- Marmoleum is a natural product made primarily from renewable resources, including linseed oil, wood flour, and pine rosin.
41	Carbon Monoxide Detectors- CO detectors are centrally located outside each separate sleeping area as well as in any room adjacent to a garage.
42	Eco Friendly Wallpaper- The wall coverings are made of natural, durable, non pvc materials using low VOC, water based inks.
43	ECO™ by Cosentino Bath Countertops- A durable surface made of 75% recycled content composed of post-industrial or post-consumer materials and is bound by an environmentally friendly resin which comes in part from corn oil.
44	Velux Sun Tunnel – A flexible tunnel like skylight that can add natural light to any dark space.
45	ProBuild FSC Certified Lumber and Roof Trusses- The floor joists and roof trusses were designed, built and assembled in a factory, where waste is minimized.
46	Sherwin Williams Emerald Zero VOC Interior and Exterior Paint- These breakthrough products are zero VOC - even after colorants are added. Emerald is break-through innovation with best-in-class performance and the ultimate in environmental responsibility.
47	Batt Insulation- The additional R-15 Batt insulation installed in the exterior walls is Formaldehyde-free™ fiber glass insulation which promotes better indoor air quality and greater energy efficiency.
48	Velux Skylights- Energy Star Skylights reduce the need for air conditioning and improve indoor air quality.
49	Foam Insulation- Open Cell foam insulation has been installed to fill the entire wall cavity, eliminating thermal bridging and air leakage thus saving up to 50% on yearly heating and cooling costs.
50	Energy Star Air Sealing- As part of all the green programs, air sealing is required to seal all the penetrations and potential leak points within the home, virtually eliminating air infiltration.
51	Progress Led Lights- Light emitting diodes (LED) are rated for at least 35,000 hours in standard residential use, which is approximately 20 years with 4 to 5 hours of usage per day.
52	Masland Carpet- Reusing material is another way to utilize products. Masland provided us the carpet for the bonus room as it was a sample run that would have otherwise been sent to the dump. We were able to use it in the bonus room and theater room.
53	Recyled Cabients- A great source for reusable material is Second Chance in Baltimore. We purchased these cabinets and were able to use them for the mudroom.
54	Bamboo Cabinets- EcoFriendly Cabinets that are made with formaldehyde free adhesives and waterborne finishes for a healthier home and air quality.
55	ECO™ by Cosentino Bath Countertops- A durable surface made of 75% recycled content composed of post-industrial or post-consumer materials and is bound by an environmentally friendly resin which comes in part from corn oil.
56	Velux Solar Hot Water- Solar water heating is a cost effective, renewable energy solution. VELUX solar water heating systems give you the benefits of solar water heating, in an aesthetically pleasing, quality design.
57	Amana 18 Seer Heat Pump - The heatpump utilizes a 18 seer variable speed air handler and 2 stage heat pump making it less expensive to operate and providing a more consistent comfortable home.
58	Merv 16 Filter- These pleated air filters are among the top performers in the heating, ventilation and air conditioning industry
59	Energy Recovery Ventilator- An energy recovery ventilator (ERV) is a type of mechanical equipment that features a heat exchanger combined with a ventilation system for providing controlled ventilation into a building allowing for a healthier home.
60	Weaver Precast Foundations- One of the most innovative, watertight and energy efficient foundation systems.
61	Dehumidification System- Through the use of a dehumidifier removing moisture in the home this home will be healthier and more comfortable.
62	Passive Radon System- The passive system includes; a gas permeable layer under the home, a layer of gravel, a vent pipe from the sump pump through the roof to direct the gas out of the home.

