



## Baldwin Homes Emerson Eco-Model Green Features

1	<b>Vegetated Swales-</b> An amenity to the community, these man made swales are designed to help the management of the storm water.
2	<b>Recycled Asphalt-</b> 30% post-industrial recycled content asphalt that is manufactured locally within 5 miles of the jobsite.
3	<b>Low Impact Irrigation System –</b> Designed by an EPA Water Sense Certified Partner to use as little water as possible.
4	<b>Native Landscaping-</b> Species that originate or occur naturally in Anne Arundel County.
5	<b>Eco-Friendly Pavers-</b> Permeable pavers that will allow runoff to drain back into the ground naturally.
6	<b>Dow Structurally Insulated Sheathing-</b> 1/2” Structurally insulated sheathing with an R3 insulation value which will help reduce thermal bridging.
7	<b>Certainteed Fiber Cement Siding and Trim-</b> An environmentally friendly, recycled content product; that has exceptional curb appeal and durability.
8	<b>Environmental Stone Manufactured Stone-</b> A man made product that adds another layer of insulation from the exterior weather elements.
9	<b>12" Roof Overhangs-</b> A standard on all Baldwin built homes, the overhangs help protect and shade the home from the elements.
10	<b>Certainteed 30 Year Roof Shingles-</b> Made of pre- and post- consumer recycled products with a long life cycle.
11	<b>Lennox sunsource heat pump with Solar panel-</b> The heatpump utilized is an 18 SEER variable speed furnace that runs at low speed most of the time, making it less expensive to operate and providing a more consistent comfortable home. A solar panel is included to offset the power consumption.
12	<b>Herb Garden-</b> Planted to the right of the single car garage for easy access from the kitchen for fresh herbs with every meal.
13	<b>Rain Barrels-</b> Utilized to help collect the excess rainwater from impervious areas, such as the roof so it can be reused for watering the garden, etc.
14	<b>Panelized Construction -</b> The walls, floor joists, and roof trusses were designed, built and assembled in a factory, where waste is minimized.
15	<b>Third Party Performance Testing-</b> Required to verify the builder is in compliance with green programs, inspections are done at Framing and house completion.
16	<b>Bamboo Flooring-</b> Made from 100% renewable bamboo, and manufactured with Low voc compliant adhesive.
17	<b>Dual Flush Toilets-</b> All the bathrooms are equipped with dual flush toilets to help with water conservation, 1.1 gallons or 1.6 gallons per flush.
18	<b>Eco Friendly Wallpaper-</b> The master bath and powder room wall coverings are made of natural, durable, non pvc materials using low VOC, water based inks.
19	<b>Environmentally Friendly Cabinets-</b> Built with FSC lumber, there is no added urea formaldehyde, they have a Green Guard, CARB compliant finish.
20	<b>Kitchen and Garage Recycling Center-</b> A double trash can has been included in the kitchen. Larger recycling bins have also been placed in the garage for easy use.
21	<b>Granite Kitchen Countertop-</b> Granite countertops provide a long lasting, durable surface that minimizes mold, mildew and bacteria.
22	<b>Ge Ecomagination Home Energy Management System-</b> Homeowners will be able to monitor their energy and water usage.
23	<b>GE CFL Light Bulbs-</b> CFL’s generate about 75% less heat, have a longer bulb life, and most last around 10,000 hours, providing great energy savings.
24	<b>Energy Star Appliances-</b> The dishwasher and freezer are Energy Star, helping to save up to 25% on water and energy conservation.
25	<b>Compost Pail-</b> This counter-top composter is easy to use, clean-up and designed to complement your kitchen, while made from sustainable bamboo.
26	<b>Marmoleum Flooring-</b> Marmoleum is a natural product made primarily from renewable resources, including linseed oil, wood flour, and pine rosins.
27	<b>GE Electric Tankless Water Heater-</b> Due to the size of the home and LEED requirements, a second tankless water heater was installed to help with maximize water efficiency, eliminating the need for a storage tank and providing direct hot water.
28	<b>Energy Star Washer-</b> Qualified washing machines will save homeowners on utility bills, while reducing their amount of water usage per load.
29	<b>Lutron RadioRA® 2 Lighting Control System-</b> A wireless lighting control system makes it easy to manage your homes lighting to maximize savings.
30	<b>Advanced Framing techniques-</b> Raised first floor headers and heels allow for additional insulation around the windows for increased efficiency.
31	<b>Saved and Reused Detached Building-</b> Originally built as a garage/shed, we have taken and reused this detached building for a learning center about green building and environmentally friendly products and services.
32	<b>Future Green Roof –</b> A Green roof improvement involves the creation of "contained" green space on top of a human-made structure, which helps stormwater runoff
33	<b>Cali Bamboo BamDeck™ Decking-</b> BamDeck™ is made from 100% bamboo, the strongest most rapidly renewable wood on Earth.
34	<b>Gas Fireplaces-</b> All the fireplaces in this home are sealed gas fireplaces to help promote a healthier indoor air quality.

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35	<b>Pella Low E Windows and Doors-</b> Through the use of a the low-e (low-emissivity) coating, homeowners will be more comfortable home, and save on their energy bills.
36	<b>Pella Sun Defense Windows on South Facing Windows-</b> 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.
37	<b>Recycled Ceramic Tile-</b> The ceramic tile installed in this home has been made with recycled content.
38	<b>Low Flow Shower Heads and Faucets-</b> Low flow faucets typically use about 20% less water, with equal or superior performance.
39	<b>Future Solar Chase-</b> As solar becomes more affordable we have installed a chase in this home to allow the homeowners to install photovoltaics.
40	<b>Beam Central Vacuum System-</b> A central vacuum system has been installed to improve the indoor air quality of this home.
41	<b>Velux Sun Tunnel –</b> A flexible tunnel like skylight that can add natural light to any dark space.
42	<b>McCormick Low VOC Green Wise paint-</b> The Green Wise mark certifies that the McCormick products used are environmentally friendly.
43	<b>Recycled Drywall-</b> Made of 99% pre- and post- consumer recycled content and made locally within 300 mile of the jobsite.
44	<b>Low VOC Drywall Mud-</b> The mud used is environmentally friendly as it is a low voc, low odor, water based adhesive.
45	<b>Duct work is Metal Trunk Lines in Conditioned Space-</b> All the homes duct work is enclosed within the homes conditioned space for increased energy efficiency. 2" closed cell insulation is sprayed on top and around the duct work to keep all the lines within a conditioned space.
46	<b>McCormick Natural Paint –</b> Bedroom # 5 is a completely allergy free room through the use of McCormick Natural Odor Free Paint.
47	<b>Cork Flooring-</b> It is environmentally friendly. Its elastic, anti-static, sound absorbing, insulating, and anti-allergenic.
48	<b>Velux Skylights-</b> Energy Star Skylights reduce the need for air conditioning and improve indoor air quality.
49	<b>Eco-Stone Bath Countertop-</b> Made of 75% recycled content composed of post-industrial or post-consumer materials and is bound by an environmentally friendly resin. .
50	<b>Shaw Recyclable Carpet-</b> Made of Nylon 6, a recyclable carpet fiber. Carpets made from recyclable carpet fiber are capable of being returned to carpet production.
51	<b>Green Guard Pad-</b> The Mohawk bonded pad installed throughout is made from approximately 90% post-industrial recycled material.
52	<b>Carbon Monoxide Detectors-</b> CO detectors are centrally located outside each separate sleeping area as well as in any room adjacent to a garage.
53	<b>Seagull Led Lights-</b> 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.
54	<b>Lennox 17 Seer HVAC System-</b> For the second floor a 17 seer heat pump with a two stage compressor has been installed within the conditioned space of the second floor to help increase its efficiency.
55	<b>Merv 16 Filter-</b> These pleated air filters are among the top performers in the heating, ventilation and air conditioning industry
56	<b>FSC Certified Trim-</b> Forest Stewardship Council certified trim was used for this home was all milled and forested in a responsible manner via a chain of custody process.
57	<b>Broan Energy Star Bath Fans-</b> Energy Star Fans help improve the homes indoor air quality and homeowner comfort. The bath fans are also installed with an automatic timer to help with energy savings.
58	<b>NCFI Foam Insulation-</b> 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. 2" Closed cell has been installed in the attic around the duct lines.
59	<b>Energy Star Air Sealing-</b> 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.
60	<b>Energy Star Light Fixtures and Ceiling Fans-</b> All the decorative light fixtures and ceiling fans in this home are energy star qualified providing cost savings, improved safety, enhanced comfort and durability through the use of their Compact Fluorescent Light (CFL's) bulbs.
61	<b>Zurn Pex Plumbing-</b> Cross-Linked Polyethylene pipes are used for the general supply lines of the home, allowing for fewer fittings, more flexibility, and reduced heat transfer.
62	<b>Rinnai Tankless Water Heater-</b> The tankless water heater installed will help conserve water and energy, by offering continuous hot water.
63	<b>FSC Certified Lumber-</b> (Forest Stewardship Council) Lumber that has been responsibly managed, harvested, milled from the supplier to the end user.
64	<b>Weaver Precast Foundations-</b> One of the most innovative, watertight and energy efficient foundation systems.
65	<b>Boise SFI Certified Floor Joists-</b> (Sustainable Forestry Initiative) – Boise Floor Joists are 50% stronger than dimension lumber with half the wood fiber, making the most out of every tree.
66	<b>Hydronic Coil Backup Heat-</b> Hot water from the tankless water heater, directed through coils in the furnace will create thermal energy. This type of heating is efficient, clean and comfortable.
67	<b>Fresh Air Intake-</b> This system adds fresh air from the outside of the home every so often exchanging the good air with the bad air to help to improve the homes indoor air quality and homeowner comfort.
68	<b>Dehumidification System-</b> Through the use of a dehumidifier removing moisture in the home this home will be healthier and more comfortable.
69	<b>Passive Radon System-</b> 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.

