



EPS and Home Certifications

“Indicates top quality, builders who work in tandem with EPS. So when you buy or build an EPS rated home, there’s plenty of reason to be confident in how it will perform.” Energy Trust of OR

1. Air Sealing Package- ***“Sealing the building envelope is the single most cost-effective measure builders can take to improve the energy efficiency of a new home.”***
 - All ducts under and into the house are sealed
 - All Electrical outlets are sealed
 - All walls are sealed to floors
 - All ceilings are sealed to walls
 - All windows are sealed to framing
 - All doors are sealed to walls and floors
 - All Air Penetration points are sealed
2. Double Wall Construction - ***“Advanced Framing technique earns the Energy Star label for new homes and is considered a premium wall design ‘above standard practice’. The major difference is there are two layers on the outside of the interior framing as opposed to a single layer. “***
 - Double-wall offers more structural integrity
 - Exceptional energy performance
 - Use less electricity and heat
 - The wall materials are layered, which creates a consistent and reliable air/vapor barrier
 - Additional materials increase wall thickness and prevent noise from easily traveling through the walls
3. Insulation Factor- ***“SHB uses all Triple glazed windows (3 panes) which is equivalent to upgrading walls and ceilings from R-20 to R-40. It increases energy savings and acts as an increased sound barrier.”***
 - R 49 blown in attic insulation
 - R 23 in exterior walls
 - R 30 in floors with 11 7/8” floor joists to allow for full 12” depth floor insulation (no compacting to fit 9” joist)
 - Interior wall bat insulation - installed on all interior rooms
 - Triple Glazed windows and Insulate exterior doors
4. Heating and Cooling - ***“The furnace is purposely located in the garage rather than the attic for better efficiency in a energy conditioned space.”***
 - 93% (minimum) Gas Lenox Energy Efficient Furnace with matching Lenox AC units
 - 4” filters in furnaces allow the furnace to ‘breathe’ better
5. Water Heater ***“Water heating accounts for about 13 percent of a home’s energy use. High efficiency water heaters use 10 to 50 percent less energy than standard models, saving homeowners money on their utility bills.” EPA***
 - Energy Star Certified High Efficiency Quick Recovery Gas Water Heater – allows for smaller water heaters
7. Venting ***“Additional soffit vents are installed than are required by code – allowing more air into your attic space, lowering attic temperatures and increasing the life of the roof.”***
 - Continuous Attic Ridge venting
8. Appliances and Fixtures - ***“All Energy Star Efficient Appliances – use less energy and water than standard models”***
 - Electronic Ignition for Gas Fireplace vs. standing pilot light model
 - All fixtures and bulbs are LED Energy Star compliant
 - Low flow, efficient toilets
9. Garages ***“All fully insulated garages and doors – water shut off valve located in garage a well.”***
 - Insulated – walls and ceilings
 - Sheet-rocked textured and painted
 - Garage doors are insulated
10. Solar Photovoltaic (PV) Panels -(Buyer upgrade & Installation Required) ***“SHB Homes can be set up to incorporate the most cost effective renewable energy source for the most energy efficient homes –Solar Ready”***
 - SHB works with Buyer, Installer, State of Oregon and Power Company to facilitate the best incentives.
 - Installation of a PV system is the last step to take to reach the net zero energy goals.