

CUSTOM BUILD A HEALTHIER AND GREENER HOME IN LEGACY OF BARRINGTON

A FOCUS IN BOTH OF THESE AREAS LEADS TO A MORE COMFORTABLE, MORE ENERGY EFFICIENT MORE ENVIRONMENTALLY FRIENDLY HOME.

SOME KEY POINTS OF CONSTRUCTION PRACTICES AND MATERIALS YOU WILL SEE IN LEGACY

- ✓ **Increased R-Value and appropriate wall air exchange through use of thermal housewraps vs. standard housewraps**
- ✓ **Blown-in insulation vs. less efficient insulation batt type insulation allows for better control of temperature and higher efficiency. Available foam insulation for superior performance.**
- ✓ **Protective flashings to help prevent air and water infiltration at all penetrations to the home, such as exterior electrical outlets/lights, exterior faucets and HVAC equipment venting. Many builders rely on nothing or just caulk around these wall penetrations. Helps energy efficiency, comfort and leads to a long lasting home.**
- ✓ **Low VOC paints such as Benjamin Moore's Aura**
http://www.benjaminmoore.com/bmpsweb/portals/bmps.portal?nfpb=true&pageLabel=fh_aura_hiddenPage&NodeUUID=%2FBEA+Repository%2F518032
- ✓ **Steam based humidifiers for better humidity control that uses less water without pads that can harbor bacteria.**

- ✓ **Whole house fresh air ventilation for further improved air quality in the home and available ERV (Energy Recovery Ventilation) for even more efficient higher performing ventilation control.**
- ✓ **High efficiency water heaters such as AO Smith's Vertex use less energy and perform better.**

<http://www.hotwater.com/products/residential/rg-vertex.html>

- ✓ **High Efficiency, Variable Speed furnaces (HVAC) providing better comfort, less sound, better air quality due to circulation and energy savings due to multiple stage motors which move air at different speeds for better control. Translation... better comfort, lower energy consumption.**
- ✓ **Higher performance subfloors such as JM Huber's Advantech provide long warranties and less issues during construction leading to a stronger and better finished floor that is environmentally aware.**

<http://www.advantechperforms.com/green/>

- ✓ **Protective breathable covers placed over HVAC supply vents to help minimize dust and debris in ductwork during construction.**
- ✓ **Duct cleaning performed post construction to remove dust and debris.**
- ✓ **Available radiant in floor heat for higher efficiency which can in-turn lead to the usage of a stand alone water tank heated by the home's boiler for higher efficiency of hot water.**
- ✓ **Available multi-zoned HVAC for higher level of control to maximize energy efficiency and comfort.**
- ✓ **Sill liner's under exterior door sills to aid in prevention of water infiltration into the home which helps prevent damage and mold infiltration.**

- ✓ **Windows - We work with a variety of manufacturers that provide high efficiency windows for additional environmental and energy control.**
- ✓ **Use of foundation wrap to control water infiltration through basement concrete walls.**
- ✓ **Interior and exterior drain tiles around foundation to further control water infiltration through basement concrete walls.**
- ✓ **Vapor barrier under interior concrete slabs to control water vapor penetration.**
- ✓ **All windows and doors are professionally caulked (vs. having other exterior tradesman caulk) which provides for an excellent protection barrier.**
- ✓ **Ice and water shield used under roofing to help in the prevention of ice backing up and creating water issues in the home.**
- ✓ **Dumpster waste is recycled through available waste removal company programs.**

We are also conscious and experienced of many other areas of sustainable and performance building materials and technologies and take a great interest in ways to just build a better, healthier, more environmentally aware home.