

## Energy Efficiency units at The Village at Chebacco Hill

The homes at The Village at Chebacco Hill will be constructed to exceed local and state energy and building codes. Restoration Capital takes great pride in building quality homes that are environmentally friendly and, in turn provide our homeowners with lower energy consumption, resulting in tremendous annual savings.

- **Thermal Envelope** - Your home is designed to provide an insulation system that is continuously air-sealed over the entire envelope of the building, from the basement sill to the top of the roof line.
- **Structural Sheathing Panels:** for the exterior walls and roof - ZIP System® wall and roof sheathing are constructed with seam tape, which is used as a one-of-a-kind structural panel that makes the roofs and walls highly energy efficient. It comes with a continuous air and water-resistive barrier; it prevents air leakage and keeps heat, water, and moisture out of the walls and roof, ensuring a comfortable home.
- **Closed cell and open cell foam insulation:** Closed cell foam comprises entirely closed cells, as the name suggests. The cells are pressed together so air and moisture cannot get inside the foam. Closed-and open cell foam has a higher R-value per inch than traditional insulation and is much more rigid and stable than other insulation products. Closed-cell foam insulation from the top of the basement sill and up to the roof peak creates the sought-after energy-efficient “hot roof.” This method of insulation removes the need for traditional roof soffits and gable vents and provides pre-conditioned space throughout the home.
- **Energy Recovery Ventilation (ERV):** ERVs draw clean, fresh air into your home and remove stale air. The system features a heat exchanger, facilitating the transference of heat and moisture between the air streams. This way, your home will retain its heat during the process, something particularly significant during the winter months. Along with this transfer of air streams, ERV ventilation systems capture contaminants, pollutants, allergens, pollen, and more, helping to ensure that the air that enters and is kept within your home or office is clean and healthy.
- **Hybrid water heaters:** with Wi-Fi connections – Heat pump hybrid electric water heaters offer 3x more efficiency than a traditional system. By utilizing the surrounding air to heat the water, it will dehumidify the basement levels and reduce excess moisture. Sustainable: reduces carbon footprint with 75% reduction in energy use
- **Heating System:** 97% AFUE Gas Furnace, with modulating speed motor, zone controls for finished floors, Smart Wi-Fi touchscreen thermostats, inline Humidifiers, and high-efficiency media air cleaners are an integral part of this system.
- **Windows:** Energy-focused windows, with triple poly-fin weather stripping, double pane low E argon-filled glass, and Energy Star performance ratings.
- **Garage Doors:** Garage doors with a thermal rating.