

List of Sustainable Design Features for 1020 Kent Street in Durham

Self-Help is proud that 1020 Kent Street includes a wide variety of sustainable design features, such as:

- ✓ Location on a 0.11 acre infill lot in an urban neighborhood, making use of existing infrastructure. The location provides easy access to transit, shops, services, and recreational and job opportunities.
- ✓ A space-efficient 1180 square foot floor plan with 3 bedrooms, 2 baths and an open layout.
- ✓ Exterior walls that use 2" x 6" framing spaced 24" on center, reducing use of lumber and increasing the amount of space for insulation.
- ✓ Icynene open cell sprayed foam insulation in exterior walls and under the roof. The sprayed foam insulation results in an air tight, highly water resistant, quiet and energy efficient building envelope.
- ✓ ENERGY STAR qualified, locally produced shingles that reflect sunlight and reduce the cooling load.
- ✓ Passive solar design elements, including numerous south-facing windows paired with a generous roof overhang designed to shield the Summer sun but allow it to warm the house in the Winter.
- ✓ ENERGY STAR certified 7/8" thick insulated LoE2 glass windows filled with argon gas.
- ✓ Extremely energy efficient 15.0 SEER-rated heat pump, along with a programmable thermostat.
- ✓ ENERGY STAR certified dishwasher, refrigerator, and ceiling fans. Also, energy efficient fluorescent and compact fluorescent bulbs featured in nearly all light fixtures.
- ✓ Water conserving features such as low-flow faucets, toilets and showerheads; native and drought-resistant landscaping; no garbage disposal; and a rain barrel.
- ✓ Vanguard MANABLOC manifold plumbing system to provide water quickly and efficiently, reducing water use and water heating costs.
- ✓ Indoor air quality improvements through the use of zero volatile organic compound (VOC) interior paint, low VOC exterior paint to protect the atmosphere, well-planned moisture management and fresh air exchange, and a carbon monoxide detector.
- ✓ Stained concrete flooring in main living spaces and bathrooms for durability and indoor air quality.
- ✓ Universal design elements to increase access and livability for persons with physical disabilities.
- ✓ Footings poured using concrete with 25% fly ash, a byproduct from coal-fired power plants.
- ✓ Salvaged, reclaimed brick used to build garden planter, porch border and steps.
- ✓ Certification that the home meets or exceeds ENERGY STAR standards for energy efficiency, and SystemVision standards for comfort, durability, energy efficiency, health, and safety.
- ✓ A 2-year SystemVision guarantee that the heating and cooling portion of the homeowner's monthly utility bills will not exceed approximately \$30 per month.
- ✓ Kitchen cabinets that are certified to be more eco-friendly and better for indoor air quality.
- ✓ Anticipating a Silver level certification under the Green Home Builders of the Triangle's Green Building Initiative.



"Greening The American Dream"