

**Habitat for Humanity of Greater Memphis**  
a  
**501-C3 Tax Exempt Charitable Organization**

**Invitation to Bid**  
**HVAC**

**Submit two quotes, one for a 2 Ton and one for a 2 ½ Ton Unit**

Your bid should be submitted as turnkey cost per ton installation. Your bid should include all permits, labor, materials, connections and inspections required to complete a single family detached house to EcoBuild specifications, including:

- Cooling equipment sized and installed according to correct Manual “J” calculations based on actual house design, specifications, and orientation. (MLGW will calculate and prescribe the correct tonnage for each house)
- Gas Furnace, 80,000 BTU (80% AFUE or Higher)
- Cooling Equipment rated a minimum 14.0 SEER efficiency
- Heating and cooling units must be verified in the Air Conditioning and Refrigeration Institute (ARI) Manual as a tested system.
- Programmable Thermostat
- Extended plenum design with end cap
- Ducts designed and installed to meet room air delivery requirements as set in Manual “J”
- No main HVAC trunk lines made of flex duct
- No flex duct take-offs over 3 feet long
- Ducts cut to exact length and supported to manufacturer’s specifications
- No turns in ductwork greater than 90 Degrees
- Air-balancing dampers installed at each take off
- Supply and return grills must be at least six feet apart
- Furnace cabinet must be elevated 1.5” to 2” above overflow pan Bottom
- Duct insulation of R-8
- Duct system, HVAC unit, and takeoff collars must be sealed with Mastic tape or Mastic paint to insure 8% or less air leakage, as determined by MLGW duct blaster test.
- Boots caulked to sheetrock prior to grill installation
- 20 X 25 Filter Grill with a Pleated-Media air filter
- Vents for Vent-A Hood and Bathroom Vent Fans to outside
- Dryer Vent to outside

**Installation will only be considered complete following the successful conclusion of MLGW testing and the receipt of EcoBuild Certification.**

**Work to be performed must conform to all applicable local, state and federal codes and restrictions.**

**To be considered, your bid must include a completed Company Profile Form, a copy of General Liability Insurance, Workers Comp. Insurance, and Comprehensive Subcontractor Agreement.**

**The successful bidder must agree to conform to Habitat’s tight build schedule.**