# PROVIDENCE REVOLVING FUND
# HVAC & Plumbing Contractor Bid Form
# 32 Carter St, Providence, RI 02907

*By submitting this bid, the contractor attests that they will be available to begin work within 30 days of the bid due date.*

| ITEM | COST |
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| GENERAL REQUIREMENTS:<br>Contractor shall be responsible for obtaining any necessary permits for any and all work as is required by local and national and local code or jurisdiction requirements. Contractor shall also be responsible for any necessary drawings that may be required to obtain permits. Contractor shall be responsible for any required submittal to local authorities. Contractor shall be responsible for maintaining copies of any required permits at the job - site, and to supply Consultant copies of as requested. Contractor shall be responsible for supplying any bonds, insurance cert's, sub - contractor licenses, EPA licenses, specialty licenses to building departments and consultant. All documents shall be delivered in a timely fashion. Contractor shall apply for permits as soon as possible. | $ |
| DEMOLITION & REMOVAL:<br>Contractor shall disconnect and remove the existing forced-air furnace, existing gas piping to the unit (cap and terminate safely at source per code), electrical whip/disconnect, existing thermostat, and existing condensate/venting components in their entirety. Contractor shall remove all existing basement supply and return ductwork, trunk lines, boots, and plenums in their entirety, including any abandoned/orphaned ducting no longer in service. All debris, scrap metal, and removed equipment shall be legally disposed of or recycled off-site by Contractor. Contractor shall protect basement floor, walls, and adjacent finished areas during demolition. | $ |
| HVAC SYSTEM – NEW HIGH-EFFICIENCY GAS FURNACE:<br>Contractor shall furnish and install one (1) new natural gas, forced-air furnace to replace the existing unit shown in field photos (existing equipment is unlabeled/untagged, non-original manufacturer data unavailable). Based on the home's conditioned area of approximately 1,509 sq. ft. and its 1922 construction vintage, preliminary heat loss is estimated in the range of 60,000–75,000 BTU/hr; Contractor shall perform an ACCA Manual J heat loss calculation prior to equipment order to confirm final sizing — a furnace with approximately 80,000 BTU input / 95% AFUE (approx. 76,000 BTU output) is anticipated to be an appropriate match, adjusted per Manual J results. Furnace shall be a minimum 95% AFUE condensing unit with variable-speed (ECM) blower motor, multi-speed/two-stage gas valve where budget allows, and sealed combustion (direct vent). Unit shall be installed level and properly secured to the structure, in accordance with manufacturer's installation instructions and all applicable code. Contractor shall furnish and install new flexible gas connector and shutoff valve, new sediment trap, and any gas line modifications required for proper BTU delivery to the new unit. Contractor shall furnish and install a new dedicated electrical circuit, disconnect, and whip as required. | $ |
| VENTING & COMBUSTION AIR:<br>Contractor shall vent the new high-efficiency furnace via new PVC intake and exhaust piping routed to an approved exterior termination point, per manufacturer's venting tables and local mechanical code — sidewall/concentric venting shall be used in lieu of the existing masonry chimney flue. If the existing chimney flue served only the furnace and will no longer be in use, Contractor shall properly cap and seal the abandoned flue connection at the chimney in accordance with code. If the chimney flue continues to serve any other appliance (e.g., water heater), Contractor shall verify the flue is correctly sized for the remaining appliance load per code and recommend relining if undersized. Contractor shall install a new condensate pump and/or gravity condensate line routed to an appropriate drain, with secondary safety switch to shut down the unit in the event of a blocked drain. | $ |

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| DUCTWORK – FULL BASEMENT REPLACEMENT:<br>Contractor shall furnish and install complete new supply and return ductwork throughout the basement, sized and designed per ACCA Manual D to match the new furnace's air handling capacity and to properly serve all existing first- and second-floor supply registers and return grilles. New ductwork shall consist of galvanized sheet metal trunk and/or insulated flexible duct as appropriate per run, with all joints and seams sealed with mastic (not cloth-backed tape) to minimize air leakage. New plenum shall be fabricated and sized to match the furnace outlet. Contractor shall install balancing dampers at each branch takeoff to allow proper system balancing. All ductwork shall be properly supported from the floor structure above, insulated where passing through unconditioned space, and shall interface cleanly with all existing floor registers and return grilles — Contractor shall field-verify existing register/grille locations and transition new ductwork accordingly. System shall be balanced upon completion to ensure even heat distribution to all rooms. Duct work throughout whole house to be cleaned. | $ |
| THERMOSTAT (1):<br>Contractor shall furnish and install one (1) new digital programmable thermostat in place of the existing unit. Contractor shall ensure the new thermostat is fully compatible with and properly interfaced to the new furnace, including any necessary wiring or wiring harness. Contractor shall program the thermostat for proper system operation and orient the Homeowner on its use, providing the unit's instruction manual. | $ |
| TESTING, START-UP & SAFETY:<br>Upon installation, Contractor shall start up and test the complete system, including verification of proper gas pressure, temperature rise within manufacturer's specified range, correct airflow (CFM) across the heat exchanger, safe and code-compliant venting, carbon monoxide safety check, and proper thermostat/zone control operation. Contractor shall verify no back-drafting occurs and that combustion air supply to the mechanical space is adequate per code. Contractor shall test all new ductwork for air leakage at seams and connections. | $ |
| **TOTAL:** | **$** |

**All repairs must be performed in conformance with local zoning ordinances, codes, and jurisdictional requirements. All work is to be completed in accordance with manufacturer's instructions and specifications, to industry standards, and in a good workmanship like fashion. All material and labor shall be warranted, and written warranties shall be given to the homeowner at the end of the job.**

Contractor: _____ Date: _____

License No: _____