

Name/Address
Rochelle Dennis 745 Forest Parkway Forest Park, GA 30297

Date	Estimate No.	Project
04/17/25	191	

Item	Description	Quantity	Cost	Total
HVAC NEW SYSTEM	<p>Elevate 819 D Forestparkway, Forest Park, GA 30297 HVAC NEW SYSTEM</p> <p>5 Ton Heat Pump System Installation</p> <p>Service Total \$12,900.00</p> <p>Scope of Work • Removal of existing 20-year-old R-22 heat pump system and air handler • Installation of new energy-efficient HVAC system (Heat Pump, Air Handler, and Accessories) • Drainage improvements with safety features • Electrical and ductwork adjustments as needed • System start-up, testing, and commissioning Step-by-Step Process 1. Pre-Installation Planning • Confirm permit approval (if applicable) • Verify correct equipment has been delivered (model, size, efficiency rating) • Review installation location for both indoor and outdoor units • Coordinate with subfloor repair contractor if applicable • Verify power shutdown at breaker panel 2. System Evacuation & Refrigerant Recovery • Recover all refrigerant from the system using an EPA-certified recovery machine and tank • Label and log refrigerant recovery according to</p>		12,900.00	12,900.00
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	EPA guidelines • Disconnect high and low-pressure lines from both indoor and outdoor units 3. Removal of Existing Equipment • Indoor (Air Handler): • Disconnect electrical and control wiring • Detach ductwork and drain lines • Carefully remove unit and dispose of properly • Outdoor (Heat Pump Condenser): • Disconnect power at the disconnect box • Remove refrigerant lines and mounting hardware • Remove condenser and dispose of per environmental regulations 4. Subfloor and Platform Preparation • Confirm completion of subfloor repair (if previously required) • Rebuild or modify platform or mounting base as needed to support new air handler • Ensure platform is level, secured, and provides adequate airflow clearance 5. Install New Air Handler (Indoor Unit) • Set the new air handler in place and secure to platform or wall mount • Connect supply and return ducts with proper sealing (UL-181 tape or mastic) • Install new primary and secondary drain pans • Route and connect primary and emergency condensate drain lines • Install water detection float switch in secondary pan • Connect electrical supply wiring and thermostat low-voltage wiring 6. Install New Heat Pump (Outdoor Unit) • Set outdoor condenser on a new or existing level pad (composite or			
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	concrete) • Mount unit with proper clearance on all sides (per manufacturer and code) • Reconnect or replace refrigerant lines (line set), ensuring proper size and insulation • Pressure test line set with nitrogen for leaks • Evacuate system to 500 microns with a vacuum pump before releasing refrigerant 7. Electrical and Controls • Replace or upgrade electrical disconnect if required • Confirm proper grounding and wire size for load • Reconnect or upgrade thermostat if needed (ensure compatibility with heat pump system) • Connect defrost sensor, reversing valve, and auxiliary heat wiring if applicable 8. System Start-Up and Testing • Power on the system and initiate start-up procedure per manufacturer instructions • Verify: • Indoor blower motor operation • Outdoor condenser fan and compressor operation • Proper heat pump cycle (heating/cooling/reversing valve function) • Drain pan operation and float switch shutoff test • Check supply and return air temperatures for appropriate delta (typically 16–22°F cooling mode) • Record refrigerant pressures and superheat/subcool readings for charging accuracy • Verify auxiliary heat operation (if included) 9. Final Inspection and Quality Control • Confirm all wiring is secured and labeled • Ensure no refrigerant or condensate leaks			
			Total	

A&D Horizon, Inc
1681 E Kellogg Circle
Douglasville, GA 30134

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	are present • Inspect duct seals for tightness and airflow balance • Clean jobsite and remove all old equipment and debris 10. Customer Orientation and Documentation • Walk customer through new thermostat operation • Provide system warranty documentation and maintenance schedule • Discuss filter change intervals and service expectations • Log equipment model/serial numbers and installation details for records			
	Sales Tax		0.00%	0.00
			Total	\$12,900.00