

Comfort Professor

Case Study #1

Bryant Ductless Heat Pump Installation at Woburn Elks Club

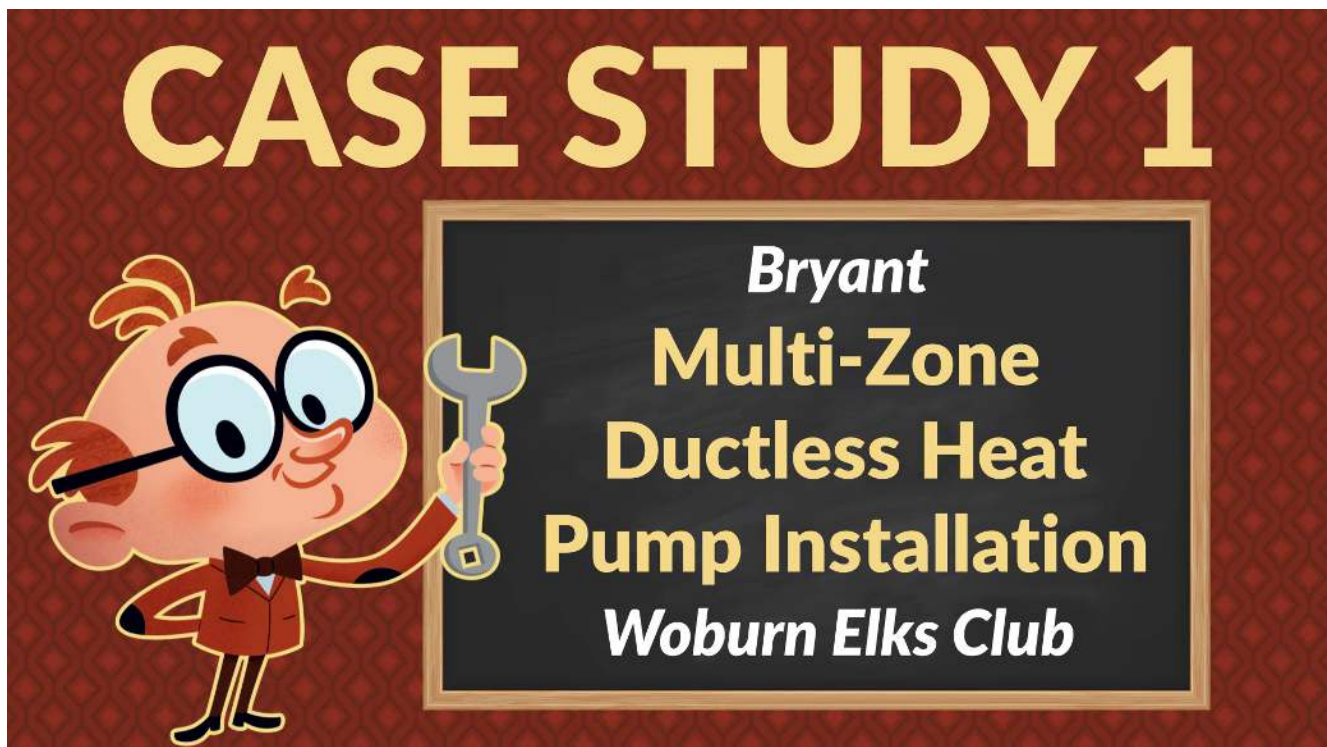


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Case Study

Bryant Multi-Zone Ductless Heat Pump Installation

Overview

HVAC Contractor: Comfort Professor

Client Profile: Woburn Elks Club, a community organization hosting member gatherings, functions, and private events.

Project Location: 295 Washington Street, Woburn, Massachusetts

Type of HVAC Service: Bryant multi-zone ductless heat pump installation with ceiling cassette, high-wall, and ducted indoor equipment.

System Type: Nine Bryant outdoor heat pumps serving separate areas of the facility.

Project Start Date: June 30, 2026

Project End Date: July 10, 2026

Project Duration: June 30–July 10, 2026 (11 calendar dates inclusive; not a statement of workdays).

Existing HVAC System: Approximately 10 hydronic air handlers for heating and two large rooftop cooling units.

Specific Challenges: Finished ceilings, concealed mechanical infrastructure, brick walls, and different heating and cooling requirements across a multi-use building.

Rebates/Tax Credits: \$57,000 in rebates or tax credits.

Products Used

Bryant Multi-Zone Ductless Heat Pump Installation | Woburn Elks Club

Downstairs Bar

Outdoor: 2 × Bryant 37MGHAQ48FA3 outdoor heat pumps

Indoor: 4 × 45MCCAQ18XA3 indoor units

Downstairs Function Room

Outdoor: 1 × Bryant 37MGHAQ36EA3 outdoor heat pump

Indoor: 1 × 615AHAQ36XA3 indoor unit

Upstairs Function Room

Outdoor: 3 × Bryant 37MGHAQ48FA3 outdoor heat pumps

Indoor: 6 × 615AHAQ24XA3 indoor units

Upstairs Function Waiting Area

Outdoor: 1 × Bryant 37MUHAQ60AA3 outdoor heat pump

Indoor: 1 × 45MUAAQ60XX3 ducted air handler with ductwork

Upstairs Offices

Outdoor: 1 × Bryant 37MGHAQ18CA3 outdoor heat pump

Indoor: 1 × 40MBDAQ18XH3 ducted indoor unit

Downstairs Bathrooms and Hallway

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Outdoor: 1 × Bryant 37MGHAQ24DA3 outdoor heat pump

Indoor: 1 × 45MBDAQ24XH3 ducted indoor unit

Warranty: Five-year parts warranty for the commercial property and two-year labor warranty, as submitted by the contractor.

SUMMARY

The Woburn Elks Club in Woburn, Massachusetts, needed updated heating and cooling for a building with distinct gathering spaces, function rooms, offices, and service areas. Its existing HVAC equipment included approximately 10 hydronic air handlers and two large rooftop cooling units. Comfort Professor designed and installed a Bryant multi-zone heat pump system to provide more flexible, area-specific comfort while reducing reliance on aging equipment in the spaces served by the retrofit.

The Challenge: The older building's brick walls, finished ceilings, and concealed mechanical infrastructure made routing new refrigerant lines, condensate drains, electrical wiring, and communication cables more complicated. Different rooms also had different occupancy patterns and temperature demands. The installation needed to account for these conditions while limiting disruption to the facility.

The Solution: Comfort Professor installed nine Bryant outdoor heat pumps paired with a mix of ceiling cassette, high-wall, and ducted indoor equipment. The design serves the downstairs bar and function room, upstairs function room and waiting area, offices, bathrooms, and hallway. Indoor equipment was selected and positioned for each area, with connections carefully routed through the existing structure. The installation reduced dependence on the older hydronic and rooftop equipment in the areas served, without a wholesale building reconstruction.

The Benefits: Independent zone control lets the club condition different spaces according to their needs and occupancy. Inverter-driven heat pump technology varies output in response to heating and cooling demand. The design supports more consistent temperatures, quieter operation, flexible controls, and a practical approach to serving a multi-purpose property.

Cost/Benefit Analysis: A nine-outdoor-unit retrofit requires a substantial initial investment, but it provides an alternative to continued upkeep of aging hydronic air handlers and rooftop cooling units. Zone-specific control may avoid conditioning unused spaces unnecessarily, while the new equipment may help manage future operating and maintenance costs. The contractor reported \$57,000 in rebates or tax credits; this figure should not be presented as received or approved without verification.

Contractor Quote

"The biggest goal on this project was to give the Woburn Elks Club a modern HVAC system without having to completely reconstruct an older building around it. We were working with brick walls, finished ceilings, multiple rooms and limited knowledge of what we would encounter behind existing construction. Our team designed the Bryant multi-zone system around those conditions and carefully routed and installed the equipment to provide each area with the comfort it needed.

The end result is a much more flexible heating and cooling system with individual zone control, improved efficiency and a cleaner long-term solution for the club."

— Comfort Professor Team

Photo Gallery

Multi-Zone Ductless Heat Pump Installation



Bryant Multi-Zone Ductless Heat Pump Installation at the Woburn Elks Club



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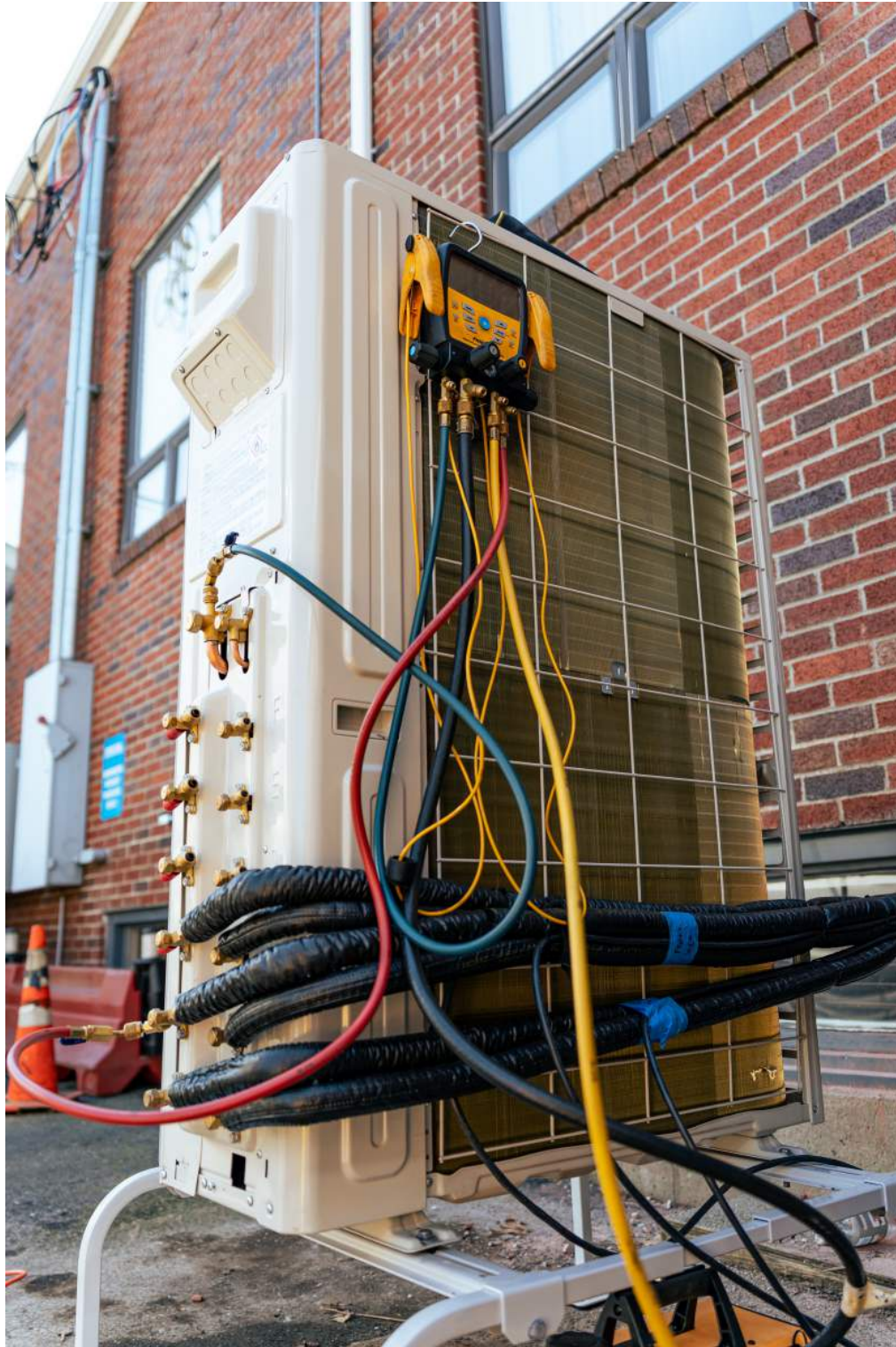
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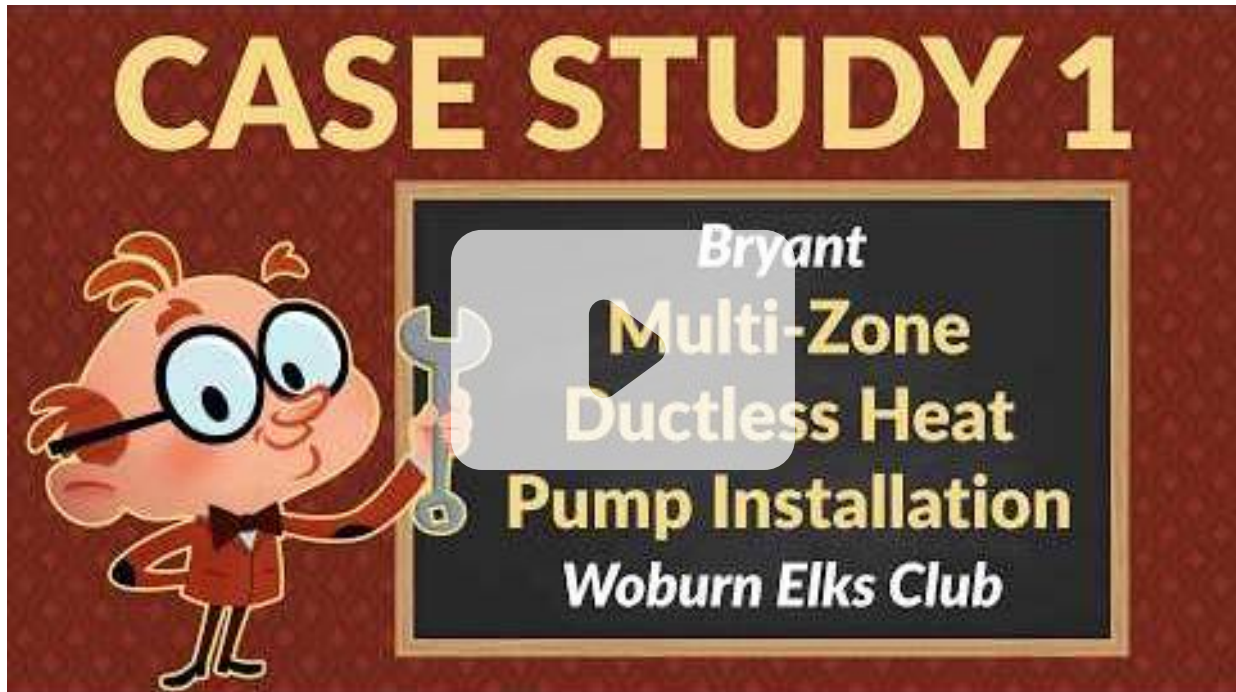
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Video

Bryant Multi-Zone Ductless Heat Pump Installation



About Comfort Professor



Comfort Professor is a locally owned home service company proudly serving homeowners throughout the Greater Boston area. With over 100 years of combined industry experience among its leadership team, Comfort Professor provides expert heating, cooling, plumbing, and other essential home services. Our skilled technicians receive ongoing training to stay current with the latest technology and techniques. We take pride in delivering dependable service, transparent pricing, and honest recommendations without high-pressure sales tactics. From routine repairs to complex installations, we're committed to quality workmanship, treating every home with respect, and ensuring complete customer satisfaction with our 100% satisfaction guarantee.

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