

Akira Bowman

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SUMMARY

Licensed refrigeration mechanic with 10 years of commercial and industrial HVAC/R experience across **installation**, remodeling, **preventive maintenance**, controls, commissioning, and equipment service. Holds a Michigan **mechanical contractor's license**, EPA Section 608 Universal Certification, and **Commercial Driver's License**. Leads field crews through permitted refrigeration, air conditioning, heating, pneumatic control, humidity control, and related mechanical work. Plans safe execution from drawings, equipment requirements, and site conditions, then verifies installation quality through startup, testing, evacuation, charging, and commissioning. Supports occupied facilities by coordinating shutdowns, service windows, and customer communication. Guides developing mechanics through practical field instruction and quality checks. Dependable work across regional sites and varied weather supports safe, timely delivery of construction and maintenance projects.

EXPERIENCE

Lead Refrigeration Mechanic

March 2023 - Present

Summit Mechanical Works

Grand Rapids, MI

Lead commercial refrigeration and mechanical work across renovation, facility improvement, preventive maintenance, and service projects. Coordinate small crews, **permits**, site conditions, customer access, and safe completion across regional worksites.

- Led **commercial refrigeration** installations across renovation sites, coordinating daily crew assignments and safe field execution.
- Planned permitted mechanical work from drawings and equipment requirements, preventing conflicts with downstream **construction** activities.
- Directed equipment **assembly**, startup, functional checks, **evacuation**, charging, and commissioning for related mechanical systems.
- Coached junior mechanics through piping, control connections, safe tools, and quality checks during active projects.
- Sequenced **preventive maintenance** in occupied facilities, coordinating shutdowns with facility contacts and preserving daily operations.
- Traveled between regional worksites in company vehicles, adjusting plans for weather, access, and material availability.

Senior Refrigeration Mechanic

June 2020 - February 2023

Lakeshore Climate Systems

Muskegon, MI

Performed senior level installation, troubleshooting, service, and documentation for commercial refrigeration and **air conditioning** work. Coordinated trades and supported junior mechanics during remodels, replacements, maintenance, and regulated refrigerant service.

- Completed **commercial refrigeration** installations for remodels and replacements, translating mechanical plans into organized field sequences.
- Diagnosed refrigeration, **heating**, humidity, and **pneumatic control** faults through readings and component inspection.
- Performed **refrigerant recovery**, evacuation, charging, leak testing, and service under **EPA Section 608** practices.
- Coordinated electricians, plumbers, controls technicians, and contractors before final inspection and system startup.
- Supported junior mechanics with troubleshooting methods, safe planning, and installation checks on multi person assignments.
- Documented equipment condition, completed repairs, and preventive maintenance recommendations for facility planning.

Refrigeration Mechanic

May 2018 - May 2020

Great Lakes Refrigeration Services

Holland, MI

Installed, serviced, and maintained commercial refrigeration, air conditioning, heating, and control systems for retail, institutional, and light industrial customers. Combined route maintenance, troubleshooting, documentation, and remodel support.

- Installed **commercial refrigeration**, **air conditioning**, heating components, and associated controls for varied customer facilities.
- Completed **preventive maintenance** routes using temperature readings, pressure checks, cleaning, adjustments, and component inspection.
- Traced mechanical and control faults through systematic testing, restoring stable operation after component replacement.
- Applied **EPA Section 608** practices during **refrigerant recovery** and service activities across customer locations.
- Read **mechanical drawings** and equipment documentation during piping layouts, replacements, and remodel modifications.
- Maintained service vehicles and communicated access needs, repair findings, and site status with supervisors.

HVAC/R Mechanic

October 2016 - April 2018

Riverbend Mechanical Contractors

Kalamazoo, MI

Built foundational commercial HVAC/R capability through supervised installation, service, maintenance, **remodeling**, and **vocational training**. Supported senior mechanics with equipment setting, piping, startup preparation, troubleshooting, safety, and site organization.

- Installed **refrigeration piping**, set equipment, and supported mechanical work under senior mechanic direction.
- Performed scheduled maintenance, recording operating conditions and escalating abnormal readings for further diagnosis.
- Supported commercial remodels by removing obsolete equipment, staging materials, and preparing **installation** areas.
- Checked compressors, motors, controls, valves, and refrigeration circuits during supervised **troubleshooting** assignments.
- Followed **jobsite safety** procedures while maintaining orderly tools, materials, and active construction work areas.
- Completed commercial and industrial refrigeration training while expanding practical field capability.

PROJECTS

Regional Facility Refrigeration Renewal 📅 2023

Some projects succeed quietly. This renewal effort connected permitted installation, preventive maintenance, crew coordination, and occupied facility scheduling across regional sites.

Commercial Remodel System Replacement 📅 2021

Old equipment tells a story about missed decisions. This project paired mechanical drawings, refrigerant service, trade coordination, and startup checks for remodel work.

LEADERSHIP & AWARDS

- Crew Leadership Recognition, trusted with daily direction of lower level mechanics during complex mechanical installations.
- Safe Service Performance, recognized for consistent EPA Section 608 practices and orderly work across occupied facilities.
- Advanced Trade Progression, advanced from HVAC/R mechanic to senior and lead refrigeration mechanic through sustained field performance.

EDUCATION

High School Diploma

2014

Kalamazoo Central High School GPA: 3.0

Kalamazoo, MI

Coursework: Mechanical systems, applied mathematics, technical communication, workplace safety

Commercial and Industrial Refrigeration Mechanic Program

2017

West Michigan Technical Institute GPA: 3.0

Michigan, United States

Coursework: Commercial refrigeration, HVAC systems, pneumatic controls, refrigerant handling, mechanical drawings

CERTIFICATIONS

- Michigan Mechanical Contractor's License, Refrigeration and Air Conditioning 📅 2022
- EPA Section 608 Universal Certification 📅 2017
- Commercial Driver's License 📅 2021

TECHNICAL SKILLS

- **Refrigeration Systems:** Commercial refrigeration, industrial refrigeration, refrigeration circuits
- **HVAC Equipment:** Air conditioning, heating systems, HVAC equipment
- **Controls Systems:** Pneumatic controls, humidity control, control connections
- **Refrigerant Service:** Refrigerant recovery, evacuation, charging
- **Compliance Standards:** EPA Section 608, Clean Air Act, mechanical licensing
- **Installation Methods:** Equipment assembly, refrigeration piping, system commissioning
- **Maintenance Services:** Preventive maintenance, corrective maintenance, equipment inspection
- **Testing Methods:** Leak testing, pressure readings, temperature readings
- **Construction Work:** Construction, remodeling, mechanical drawings
- **Field Operations:** Permit acquisition, startup checks, worksite coordination
- **Safety Practices:** Jobsite safety, safe tool use, regulated refrigerant handling
- **Transportation Credentials:** Commercial Driver's License, commercial driving, employer vehicle operation

SKILLS

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|--------------------|---------------------------|------------------------|-----------------------|
| • Refrigeration | • Pneumatic controls | • Refrigeration piping | • Crew leadership |
| • HVAC | • Humidity control | • Refrigerant recovery | • Permitting |
| • Air conditioning | • Preventive maintenance | • System charging | • Mechanical drawings |
| • Heating systems | • Construction remodeling | • Troubleshooting | |

PROFESSIONAL AFFILIATIONS

- Commercial refrigeration trade community, sharing practical troubleshooting knowledge with developing mechanics and field partners.
- Regional facilities service network, coordinating respectfully with facility representatives, contractors, electricians, plumbers, and controls technicians.

LANGUAGES

- English (Native)
- Spanish (Beginner)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST