

Abraham Mason

Lead HVAC Engineer

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SUMMARY

Lead HVAC Engineer with 10 years supporting reliable **facility operations**, critical mechanical equipment, and service continuity. Experience includes HVAC troubleshooting, operational theory, chillers, package units, **heat recovery systems**, and **building management systems**. Maintains dependable performance through preventive maintenance, clear equipment records, practical fault diagnosis, and close coordination with facility trades. Comfortable working independently under general supervision, making sound decisions during operational issues, supporting transitions, and communicating status through Windows, Excel, Word, and Outlook. Holds **NJ Low Pressure Black Seal** and NJDEP UST A/B Operator credentials. Brings hands on trade knowledge, safety focused judgment, and steady support for facilities that need reliable service across scheduled shifts and weekend operations.

EXPERIENCE

Lead HVAC Engineer

Metro Facility Engineering Services 📅 March 2021 - Present 📍 Newark, NJ

Leads HVAC operations for large commercial facilities, supporting equipment reliability, corrective work, preventive maintenance, technical records, and daily coordination with facility trades. Uses building systems and office applications for operational reporting while exercising **independent judgment** during mechanical issues and service priorities.

- Stabilized commercial **HVAC operations** through scheduled inspections, clearer handoffs, and dependable facility service.
- Diagnosed chiller faults with operational theory, restoring dependable cooling during critical facility activity.
- Coordinated corrective work across facility trades, giving technicians clear access, timing, and equipment context.
- Supported preventive maintenance for **package units** and **heat recovery systems**, reducing recurring service interruptions.
- Updated **equipment records** in Excel and Word, giving supervisors cleaner history for maintenance decisions.
- Used **building management systems** and Outlook reports to keep facility teams aligned during operational issues.

PROJECTS

Critical HVAC Reliability Program 📅 2025

Supported a facility reliability program focused on chillers, package units, heat recovery systems, preventive maintenance, and trade coordination. Clear records helped teams respond with better context during operational issues.

Building Systems Reporting Upgrade 📅 2024

Improved operational reporting through building management systems, Windows, Excel, Word, and Outlook. Equipment information became easier for facility teams to review during service planning and corrective work.

LEADERSHIP & AWARDS

- Recognized by facility leadership for dependable response during urgent HVAC operational issues.
- Selected as a trusted trade resource for chiller troubleshooting and facility coordination.
- Commended for maintaining clear equipment records and practical service documentation.

EDUCATION

HVAC Technology Diploma

New Jersey Technical Institute 🎓 GPA: 3.5 📅 2015 📍 New Jersey, United States

***Coursework:** HVAC theory, Chiller systems, Heat recovery systems, Building management systems*

CERTIFICATIONS

- NJ Low Pressure Black Seal 📅 2021
- NJDEP UST A/B Operator Certificate 📅 2021

TECHNICAL SKILLS

- **HVAC Equipment:** Chillers, package units, heat recovery systems
- **Building Systems:** Building management systems, HVAC controls, equipment monitoring
- **Maintenance Methods:** Preventive maintenance, corrective maintenance, equipment inspections
- **Mechanical Tools:** Hand tools, power tools, diagnostic tools
- **Microsoft Office:** Windows, Excel, Word
- **Communication Tools:** Outlook, email reporting, operational updates

- **Facility Operations:** Critical facilities, commercial facilities, scheduled shifts
- **HVAC Knowledge:** HVAC theory, refrigeration principles, airflow analysis
- **Documentation Systems:** Equipment records, maintenance logs, technical documentation
- **Trade Services:** HVAC trade coordination, mechanical service, facility transitions

SKILLS

- | | | | |
|-------------------------|-------------------------------|--------------------------|---------------------|
| • HVAC Operations | • Chillers | • Preventive Maintenance | • Hand Tools |
| • HVAC Troubleshooting | • Package Units | • Trade Coordination | • Power Tools |
| • HVAC Theory | • Building Management Systems | • Mechanical Systems | • Equipment Records |
| • Heat Recovery Systems | • Facility Operations | • Operational Reporting | |

PROFESSIONAL AFFILIATIONS

- Facility engineering teams, coordinating daily support across HVAC and related trades.
- Commercial building operations groups, sharing equipment knowledge during maintenance planning.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST