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HENRRYCH R. DIAZ

HVAC LEAD TECH & INSTALLER



Personal Website

PROFESSIONAL SUMMARY

HVAC Lead Tech & Specialist with 6+ years installing, commissioning, and servicing light-commercial HVAC and refrigeration systems across multi-state projects. Skilled in RTU change-outs, refrigerant recovery and charging, ductwork layout and material take-offs, and HVAC start-up and commissioning checks; leads small field teams and conducts thorough pre-installation surveys to ensure code compliance and reliable operation. Focused on clear documentation, practical IAQ diagnostics, and continuous improvement while pursuing opportunities to expand commissioning responsibilities and technical leadership.

EMPLOYMENT HISTORY

JUL 2024 – MAR 2026

HVAC Traveling Technician (comm.), Helios Service Partners, United States

- As part of a specialized crew, I performed change-outs of commercial rooftop units and split systems across multiple locations in the U.S, including Florida, North Carolina, Kentucky, Arkansas, Tennessee, Mississippi, and West Virginia.
- Performed refrigerant recovery and completed EPA-required documentation for replaced units.
- Performed HVAC change-out surveys: Field assessment carried out to evaluate existing site conditions before replacing the HVAC system, including equipment curb layout, electrical service, ductwork compatibility & condition, code-related issues, and any modification required for the new installation.
- Performed HVAC start-up report: Verified post-installation system operation, including phase rotation, power draw, voltage imbalance, blower RPM fine-tuning across various operating profiles (VFD-based), and economizer operation; documented all readings and final settings.
- Installed, tested, and commissioned complete duct-mounted smoke detector systems, including smoke testing and key-switch verification.
- Installed and troubleshooted various RTU optional accessories, including economizers, multi-stage filter housings, flood switches, electric heat-kits, EMS boards.
- Attended final inspections with the city building officials, mechanical inspector, and fire alarm vendor to support project closeout. Performed on-the-spot corrections as needed.

NOV 2023 – APR 2024

Sheet Metal Lead Installer (comm.), Harlister Mechanical, Tampa, Florida, United States

- Managed morning huddles and delegated duties throughout the day to team members considering individual abilities in order to optimize performance.
- Generated and submitted daily reports as per project requirements.
- Executed operational and supervisory duties in handling heavy equipment, including Telescope Lifts and Cranes during pivotal project phases.
- Drew colored outlines on the plans to differentiate between ventilation systems and critical aspects like fire-rated walls and zone-specific ceiling height when detailed drawings weren't available.
- Maintained progress documentation by printing extra scale-free copies of mechanical drawings and coloring in completed installation tasks.
- Utilized line lasers, chalk lines, and marking sprays to accurately lay out ductwork support hangers and HVAC equipment during the project's early stages.
- Conducted job walks on retrofit projects and submitted precise material take-offs on time.

JUN 2023 – APR 2024

Refrigeration Technician (comm.), Sheet Metal Technology, Tampa, Florida, United States

- Efficiently handled oxy-acetylene medium and heavy work torches based on the size of copper lines, with acetylene turbo torches being utilized for lighter tasks.
- Executed the design, layout, and installation of refrigerant and condensate copper line piping circuits in accordance with general notes and specifications within the HVAC projects.
- Ensured precise completion of order forms after circuit design phase for acquisition of any absent copper lines or fittings.
- Ensuring quality on the brazing process by purging nitrogen onto the system.
- Ensured proper fitting of joints before initiating brazing process and performed quality checks afterwards using wet-cool checks along with hand mirrors and battery-powered flashlights.
- Installed and brazed a variety of pipe fittings, including solenoid valves and oil P-traps according to drawing locations and notes.
- Conducted precise wall and floor penetrations with the utilization of various tools like circular saws, hammer drill & hole saw kits, or handsaws. Carried out post-installation procedures afterwards to ensure penetration integrity by applying spray foam insulation and silicone caulking.
- Implemented insulation of system using armaflex.
- Executed leak detection through pressure testing and affirmed system strength with a rigorous 24-hour charge retention assessment.

APR 2022 – OCT 2023

Sheet Metal Mechanic (comm.), Sheet Metal Technology, Tampa, Florida, United States

- Developed shop fabrication jigs and templates to accelerate repeat duct assemblies, improving throughput and producing more consistent fit at installation.
- Mentored apprentice mechanics on safe sheet metal handling and precision layout techniques, raising team competency and reducing error-prone steps during installs.

- Inspected field installations against mechanical plans, identified clashes with structural elements, and proposed adjustments that minimized rework and preserved finish quality.
- Took on field leadership responsibilities by coordinating production across mechanic-helper teams and helping maintain workflow efficiency on active projects.

JAN 2020 – FEB 2022

Sheet Metal Worker Helper, Sheet Metal Technology, Tampa, florida, united states

- Proactively reorganize material staging to ensure continuous feed to presses, minimizing idle time and enabling smoother shift throughput.
- Assisted mechanics with installation tasks

EDUCATION

FEB 2024 – NOV 2024

Trade School Diploma, HVAC Commercial, SkillCat, United States

Completed SkillCat’s online **Commercial HVAC Trade School Diploma** program, building practical knowledge in commercial HVAC fundamentals, tools, and field techniques through a self-paced training path focused on job-ready skills. The program emphasizes core commercial system concepts, applied troubleshooting, and foundational technical development aligned with real-world HVAC work. SkillCat describes this program as a **38-hour, IACET-accredited** commercial HVAC certification pathway that leads to a trade school diploma.

JAN 2025 – 2026

Certified HVAC Professional (CHP-5), NATE

The **NATE CHP-5 learning path** reflects a structured progression across five core areas of HVAC mastery: HVAC Fundamentals, Electrical and Controls, Comfort and Airflow, Installation, and Service. It builds practical knowledge in system operation, safety, electrical diagnostics, control logic, airflow and comfort optimization, installation best practices, and service troubleshooting. Designed around real field demands, the pathway develops the technical judgment needed to install, maintain, and repair HVAC systems with confidence. NATE states that technicians earn the CHP-5 certification by passing all five subject-domain exams, which are recommended in sequence for the easiest progression

OCT 2022 – JAN 2024

Project Management Professional Certification, Google

Completed the **Google Project Management Professional Certificate** on Coursera, developing job-ready skills in project planning, stakeholder communication, risk management, scheduling, budgeting, and project execution across traditional and Agile environments. The program builds practical competency through hands-on activities and real-world project management scenarios, with emphasis on organization, problem-solving, and cross-functional coordination. Google states the certificate is fully online, self-paced, consists of six courses totaling about 240 hours, and is accredited by PMI, with completion qualifying learners for over 100 hours of project management education toward certain PMI credentials

COURSES

JUN 2024

Section 608 Universal Certification at EPA

SKILLS

Field team management	Mechanical & Electrical drawings reading	Ductwork layout & Material take-off	Ductwork design & Installation
Refrigerant piping design & Installation	Brazing & post-installation checks	RTU change-outs	Split systems, PTAC, AHUs Installation
HVAC systems surveying & Pre-installation Assessment	HVAC systems start-up reports	HVAC systems commissioning reports	Refrigerant recovery/charge procedures
Smoke detection systems Installation & troubleshooting	Economizer Installation and fine-tuning	Troubleshooting HVAC accessories	HVAC Commercial retrofits
Project code compliance verification	Technical Documentation reading	IAQ assessment	Construction equipment operation
Crane signal person			