

Marcus Rivera

Journeyman Electrician

 (702) 555-0183

 m.rivera@trademail.com

 Las Vegas, NV

 [linkedin.com/in/marcusrivera](https://www.linkedin.com/in/marcusrivera)

PROFESSIONAL SUMMARY

Licensed Journeyman Electrician with over 12 years of hands-on experience in residential, commercial, and light industrial electrical systems. Expert in NEC code compliance, electrical rough-in and trim-out, service panel upgrades, and complex troubleshooting. Proven ability to lead crews of up to 8 electricians on large-scale commercial projects while maintaining strict safety standards and delivering on schedule. OSHA 30 certified with a spotless safety record across 12,000+ field hours.

TRADE SKILLS

Electrical Systems

120/240V single-phase, 120/208V & 277/480V three-phase, service panel upgrades (100A–400A), subpanel installation, transfer switches, generator hookups, arc-fault/GFCI protection

Codes & Blueprints

NEC 2020/2023, local municipal amendments, blueprint and schematic reading, load calculations, single-line diagrams, panel schedules, as-built documentation, permit coordination

Installation & Wiring

EMT/Rigid/PVC conduit bending and installation, MC/AC cable runs, underground feeder, knob-and-tube remediation, CAT6/fiber optic low-voltage, fire alarm wiring

Specialty Equipment

Motor controls and VFDs, PLC wiring (Allen-Bradley, Siemens), HVAC control circuits, lighting control systems (Lutron, nLight), EV charger installation (Level 2, DC fast), solar PV interconnection

Troubleshooting & Diagnostics

Multimeters, clamp meters, circuit tracers, megohmmeters, thermal imaging, ground fault location, voltage drop analysis, arc-fault diagnostics, power quality analysis

Safety & Compliance

OSHA 30 Construction, NFPA 70E Arc Flash, lock-out/tagout procedures, confined space entry, first-aid/CPR certified, aerial lift and scissor lift operator, fall protection competent person

PROFESSIONAL EXPERIENCE

Summit Electrical Contractors

2019 – Present

Journeyman Electrician | Las Vegas, NV

- Lead a crew of 6–8 electricians on a \$4.2M design-build renovation of a 120,000 sq ft casino hotel tower, overseeing all rough-in, trim-out, and commissioning of 1,400+ circuits across 280 guest rooms and common areas.
- Installed and terminated a 3000A, 480/277V main switchboard with seven distribution panels and coordinated phasing with utility for a 48-hour outage window, completing cutover ahead of schedule.
- Responsible for material takeoffs, tool and equipment staging, and daily progress reporting using Procore, consistently delivering within 3% of labor-hour budgets.
- Trained and mentored 4 apprentice electricians through their 8,000-hour state licensing requirements, with a 100% first-attempt journeyman exam pass rate.
- Spearheaded adoption of pre-fabrication kitting for repetitive rough-in assemblies, reducing on-site wiring time by approximately 18% across multi-family projects.
- Performed complex troubleshooting on legacy 1970s-era distribution systems, identifying and resolving recurring ground-fault trips that had caused 12+ service calls by previous contractors.

Nevada Power & Lighting

2015 – 2019

Apprentice Electrician | Reno, NV

- Completed 8,000-hour state-certified electrical apprenticeship across residential, commercial, and industrial job sites, working under the direct supervision of a Master Electrician.
- Installed complete electrical systems for 60+ custom single-family homes including 200A/400A service entrances, structured wiring panels, whole-house surge protection, and smart home pre-wire.
- Wired and terminated 480V motor control centers for a water treatment plant expansion, including VFD integration, HOA selector stations, and PLC I/O terminations to Allen-Bradley ControlLogix racks.
- Performed thermographic inspections on distribution equipment at a 150,000 sq ft data center, identifying 23 hot spots across 14 PDU panels and coordinating remediation during scheduled maintenance windows.
- Maintained perfect attendance record and zero reportable safety incidents across 4 years, earning the company's annual safety award in 2017 and 2018.

Bright Path Electric

2013 – 2015

Electrical Helper | Henderson, NV

- Assisted journeyman electricians with material handling, conduit cutting and threading, wire pulling, and jobsite cleanup on fast-track tenant improvement projects.
- Gained foundational knowledge of NEC requirements, hand and power tool operation, and basic circuit theory while enrolled in the Nevada state-approved electrical training program.
- Stocked and organized gang boxes and conex containers, maintained tool inventory, and coordinated material deliveries for crews across 3 concurrent project sites.

— EDUCATION & TRAINING

Nevada State Electrical Apprenticeship Program

IEC Nevada Chapter, Las Vegas, NV

2015 – 2019

8,000-hour DOL-certified apprenticeship curriculum including AC/DC theory, NEC, motor controls, and programmable logic controllers

OSHA 30-Hour Construction Safety

University of Nevada, Las Vegas – Continuing Education

Completed 2019

NFPA 70E – Standard for Electrical Safety in the Workplace

National Fire Protection Association, Online Training

Renewed 2023

• **LICENSES & CERTIFICATIONS**

Journeyman Electrician License

Nevada State Contractors Board, License #JE-082614

Issued 2019

Clark County Electrical Work Card

Clark County Building Department

Renewed 2025

EVITP Certified – Electric Vehicle Infrastructure Training Program

International Brotherhood of Electrical Workers (IBEW)

Certified 2022

First Aid, CPR, & AED

American Red Cross

Renewed 2024

Aerial Lift & Scissor Lift Operator

OSHA-Compliant Operator Training

Renewed 2024

• **KEY PROJECTS**

The Mirage Tower Renovation

Summit Electrical, 2022–2023

Served as lead journeyman on a full-gut electrical renovation of a 28-story casino hotel tower. Scope included complete replacement of all branch circuits, installation of 280+ custom lighting control panels, new fire alarm backbone integrating with existing addressable system, and coordination of 3 electrical crews across 5 floors simultaneously. Managed temporary power plan that kept hotel operations running throughout the project. The project passed all rough-in and final inspections on first attempt and was delivered 3 weeks ahead of the general contractor's schedule.

Solar & Energy Storage Installation Program

Summit Electrical, 2021–2022

Led the electrical team on installation of 47 residential solar-plus-storage systems across a master-planned community. Responsibilities included 200A MSP upgrades with solar-ready busbars, AC combiner panel installations, Voltade Powerwall integration and commissioning, and coordination of utility interconnection applications with NV Energy. Developed standardized installation procedures and a pre-inspection checklist that reduced municipal inspection correction notices by 62% across the program.

Truckee Meadows Water Reclamation Facility

Nevada Power & Lighting, 2017–2018

Participated as an apprentice on the electrical scope for a \$28M plant expansion. Installed and terminated 480V motor feeders for six 200 HP pump motors with soft starters, wired PLC control panels with 1,200+ I/O points, and pulled over 28 miles of THHN/THWN conductors ranging from 14 AWG control wiring to 500 kcmil feeder cables. Assisted in loop checks and commissioning, verifying all analog and discrete signals against P&ID drawings and control narratives.

EV Charging Infrastructure – Commercial Fleet Depot

Summit Electrical, 2020

Executed the complete electrical installation for an electric bus fleet charging depot with 12 dual-port 150 kW DC fast chargers. Scope included a new 2500 kVA pad-mount utility transformer, 3000A 480V switchgear, 12 fused disconnect switches with arc-flash labeling, and coordination of utility primary-side work with NV Energy engineers. This installation became the reference design used by the regional transit authority for their subsequent 3 depot electrification projects.