

DAVID PATTERSON

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PROFESSIONAL SUMMARY

Licensed Journeyman Electrician with 10 years of commercial, multifamily, and critical facility construction experience, leveraging deep field installation expertise into accurate, competitive electrical estimating and preconstruction coordination. Proficient in digital quantity takeoffs, scope analysis, drawing review, and plan markups using Bluebeam Revu/Studio. Experienced in performing material takeoffs, labor burden evaluation, vendor quote reconciliation, and value engineering across ground-up builds up to 135+ units and commercial projects. Combines practical knowledge of constructability, NEC compliance, and production rates with strong digital workflow management to deliver thorough, risk-mitigated bid estimates.

ESTIMATING & PRECONSTRUCTION COMPETENCIES

- **Estimating & Takeoffs:** Digital Quantity Takeoffs, Material Takeoffs & BOM Generation, Labor Cost Estimating, Scope Analysis, Value Engineering, Vendor & Supplier Pricing Reconciliation.
- **Design & Plan Analysis:** Bluebeam Revu / Studio (Advanced Takeoffs, Custom Measurement Tools, Plan Markups), Schematic & One-Line Interpretation, Constructability Reviews, Addenda & RFI Evaluation.
- **Electrical Domain Knowledge:** Commercial & Multifamily Construction, 120V/277V 3-Phase Power Distribution, Raceway/Conduit Routing, Underground & Deck Layouts, Critical Power & Airfield Regulators, NEC Standards.

RELEVANT EXPERIENCE

Electrical Trades II | State of Colorado — Buckley Space Force Base

Sep 2024 – Present

Aurora, CO

- Evaluate scope, materials, and labor requirements for electrical facility modifications, lighting retrofits, and equipment installations across base facilities.
- Analyze and maintain specialized airfield lighting systems, series circuits, and constant current regulators requiring strict adherence to technical schematics and compliance standards.
- Maintain comprehensive work order documentation, asset tracking, and material records for emergency power and 120V/277V three-phase electrical systems.

Electrical Foreman (Preconstruction & Field Operations) | Roberts Electric

Jul 2023 – Aug 2024

Denver, CO Area

- Utilized Bluebeam Revu/Studio to perform comprehensive plan reviews, digital material takeoffs, and design markups for large-scale multifamily projects.
- Prepared detailed bills of materials (BOM), coordinated vendor orders, and managed material staging for ground-up construction of a ~135-unit residential complex (including underground service and two levels of parking deck).
- Evaluated plan discrepancies and change scopes on a 94-unit build taken over mid-construction, realigning material takeoffs, scheduling, and GC expectations.

Electrical Foreman (Estimating & Field Execution) | Greiner Electric

Aug 2022 – Jun 2023

Denver, CO Area

- Executed full-scope material takeoffs and synchronized material deliveries to meet aggressive construction milestones on commercial, warehouse, and aerospace projects.
- Conducted pre-installation constructability reviews using Bluebeam Revu for a major commercial high-rise build, identifying routing conflicts in underground and concrete deck designs prior to installation.
- Supervised on-site crews (5–15 electricians), tracking actual labor production rates against project schedule baselines.

Apprentice → Journeyman → Lead Electrician | Wayne's Electric

Mar 2016 – Aug 2022

Fort Lupton, CO

- Managed material takeoffs, inventory staging, and layout for a 134-unit multifamily build and a ~100-unit residential development.
- Interpreted complex blueprints, electrical schematics, and one-line diagrams to lay out underground conduit, distribution switchgear, branch circuitry, and lighting systems.
- Supervised and tracked crew productivity for teams of up to 30 apprentices, developing hands-on insight into labor units and installation rates.

Support Operations / Team Lead | IBM

Jan 2010 – Feb 2016

Boulder, CO

- Utilized analytical software and databases to review contract scopes, analyze operational data, and manage SLA reporting.
- Directed workflow tracking, service queue analysis, and process optimization.

LICENSES, CERTIFICATIONS & SKILLS

- **Licenses:** Active Colorado Journeyman Electrician License | Active Class B CDL
- **Software & Tools:** Bluebeam Revu / Studio (Takeoffs, Markups, Toolsets), Microsoft Excel, Microsoft Office Suite
- **Certifications:** NFPA 70E Electrical Safety | OSHA 10-Hour | CPR Certified | Confined Space | Fall Protection

EDUCATION & TECHNICAL TRAINING

- **Electrical Apprenticeship Program** — Classroom & Related Technical Instruction
- **Thornton High School** — High School Diploma, Thornton, CO