Luis Herrera

Electrical Designer

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SKILLS

AutoCAD

AutoCAD Electrical

Revit

MicroStation

Electrical Design

NEC

SolidWorks

Microsoft Excel

Outlook

Attention to Detail

EDUCATION

Associate of Applied Science

12/2019

GateWay Community College

Phoenix, AZ

Electrical Instrumentation Technology

CERTIFICATES

Autodesk Certified Professional in Revit for Electrical Design

Autodesk

09/2023

SUMMARY

Electrical designer with 7 years of drafting and design experience on data centers, schools, commercial buildings and control panels. Builds Revit models and AutoCAD drawing sets, sizes circuits to the NEC, and keeps sheet sets organized through design reviews and construction. Known for attention to detail and clean, coordinated drawings.

EXPERIENCE

Electrical Designer 02/2022 - Present

Camelback MEP Engineers Phoenix, AZ

MEP engineering firm with 45 staff serving data center and education clients.

- Model lighting, power and fire alarm systems in Revit for **18** projects up to 300,000 sq ft.
- Draft one-line diagrams, panel schedules and riser diagrams for 2 data center expansions under PE review.
- Coordinate electrical design with mechanical and plumbing models, resolving 150+ clashes before construction issue.
- Track RFIs, submittals and markups in Microsoft Excel and Outlook for up to 6 active jobs at a time.

CAD Designer 06/2020 - 01/2022

Sonoran Industrial Controls Tempe, AZ

Builder of control panels for water and mining customers.

- Drew control panel layouts and wiring diagrams in AutoCAD Electrical for 120 panels shipped to water plants.
- Created 3D enclosure models in SolidWorks to check the fit of breakers, PLCs and terminal blocks.
- Generated bills of material from AutoCAD Electrical reports, cutting purchasing errors by 30%.
- Revised drawings after shop testing so as-built sets matched every panel before shipment.

Drafting Technician 01/2019 - 05/2020

Valley Utility Mapping Mesa, AZ

Part-time drafting role during community college.

- Converted 400 paper utility record maps to MicroStation files for a county electric distribution system.
- Updated pole, transformer and service drawings from field notes with a 2-day turnaround.
- Measured existing panels and fixtures on 30 site visits to produce accurate as-built drawings.
- Maintained a 1,500-sheet drawing index so engineers could pull the current revision quickly.