

COMMERCIAL ELECTRICAL INTERNSHIP

Hector Velez | Veterans 1st Electric | Field Experience Portfolio

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Gained hands-on commercial electrical experience by assisting with cable installation, HVAC electrical connections, outlet installation, and fire-alarm system preparation.



FIELD PHOTO 01 Inspecting an outdoor HVAC condenser and electrical connection points.

WORK PERFORMED

Commercial wiring, HVAC connections, outlet installation, and fire-alarm preparation

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FIELD PHOTO 02 Working at the AC power disconnect.

Internship Overview

During my internship with **Veterans 1st Electric**, I helped route electrical cables from the power source to air-conditioning units and assisted with making the electrical connections at the AC equipment. I measured and cut drywall openings for electrical boxes, installed single-gang and multi-gang outlets throughout the building, and ran MC cable in four rooms to prepare for future fire-alarm installations. This experience strengthened my knowledge of electrical wiring, cable routing, tool safety, blueprint awareness, and proper installation practices.

Key Responsibilities

- Routed cable from power equipment to AC units
- Assisted with AC-unit electrical connections
- Cut drywall openings and installed electrical boxes
- Installed single-gang and multi-gang outlets
- Ran MC cable in four rooms for fire-alarm preparation

Skills Demonstrated

Electrical Installation

Cable routing, box preparation, and device installation

Commercial Jobsite Skills

MC cable handling, layout awareness, and safe tool use

HVAC Electrical Support

Power routing and AC-equipment connection assistance

Professional Growth

Following direction, teamwork, and attention to installation quality