# Scope

This micro-credential establishes the minimum skills for a candidate to prove competency at reading and interpreting an electrical diagram.

# MICRO-CREDENTIAL Electrical Schematic Reading

### Did the candidate correctly identify electrical symbols on a schematic?

1. Candidate MUST correctly identify switches, circuit breakers, fuses, relay and contactor coils, contacts, motors and overload devices and any other symbols the evaluator points out in the electrical diagram.
	1. The evaluator shall determine this by pointing to symbols and having the candidate verbally identify what the symbols stands for.

### Did the candidate correctly describe the general layout of multi-page schematic diagrams?

1. The candidate MUST explain to the evaluator how the multi-page diagram is organized. The information pages contained within the document may be used to determine the general layout and answer the question.

### Did the candidate properly explain the difference between single-line diagrams and detailed diagrams?

1. The candidate MUST describe the difference between a single-line diagram and a detailed diagram. Candidate MUST be able to explain to the evaluator why one type might be used over the other.

### Did the candidate successfully follow a circuit’s continuity between multiple pages of a diagram?

1. The evaluator MUST assign a starting point on a circuit within a schematic and instruct the candidate to follow the circuit to completion and back track the circuit to its origin. The candidate MUST correctly follow the circuit within the schematic. The evaluator is encouraged to ask questions pertaining to voltage changes, components, connectors, and pin identification.