

WECA Residential Training Program Work Processes

1 Planning and Initiating Project

Minimum Hours - 250

Maximum Hours - 750

- a Establishing temporary power during construction.
- b Establishing grounding system.
- c Layout for devices and appliances.

2 Installing Underground, Slab and Power Distribution Systems

Minimum Hours - 250

Maximum Hours - 750

- a Includes work in foundation, slabs, and installing conduit. Includes all work involving joint trench, such as excavating, conduit, pull lines and conductors. Includes work on site light systems, including conduit, wire, splice boxes, and pole base building and pouring, setting of light poles, carport work and landscape lighting.
- b Power Distribution: Includes main switchgear, feeders, sub panels and panels. Installing meter mains, switchgear, meter banks and sub panels including conduit terminations. Installing secondary and/or sub feed conductors, phase equipment, and terminating conductors.

3 Rough - In

Minimum Hours - 1,500

Maximum Hours - 2,500

- a Layout.
- b Box.
- c Drill.
- d Run wire.
- e Make-up.
- f Power Distribution: Includes installation of main switchgear, feeders, sub panels and panels, meter mains, meter banks and sub panels, conduit terminations, secondary and/or sub feed conductors, phase equipment, and terminating conductors.

4 Trim Out

Minimum Hours - 500

Maximum Hours - 1,500

- a Install devices, plugs, and switches.
- b Install fixtures.
- c Hook-up of equipment, which includes terminating and hook-up of appliances, and disconnects.

5 Special Systems - Includes layout, installation, termination and punch down, troubleshooting, certification and service from both building and site and making up satellite base and fixtures.

Minimum Hours - 250

Maximum Hours - 750

- a Intercom and signal systems.
- b Telephone, television, data, video and security alarms. Category five wiring and any other control or low voltage systems.
- c Home automation/energy management systems.
- d Swimming pools/spas.

6 Troubleshooting and Repairing Electrical Systems

Minimum Hours - 100

Maximum Hours - 500

- a Power testing.
- b Service work.