

Premier Automation Summer 2021 Internship – Alpharetta, GA

Job Description:

- **Soft Skills** - Attention to detail, Pride in workmanship, Willingness to learn new things.

- **Baseline Tasks** –
 - 1) Select, measure, cut, strip & label wires as per simplified cut lists, selecting the correct wire style, AWG and color from available spools.
 - 2) Terminate the wires in item #1 above, on an electrical panel, determining the source and destination by reading the supplied electrical schematics. Termination may require crimping of ferrules and tightening of a screw terminal or insertion into a spring terminal for small AWG wires. Larger AWG may require the use of ratchet/socket, combination wrench and torque wrench to achieve the appropriate connection.

- **Extended Tasks** - (pending individual capabilities and any rules related to worker safety for their ages)
 - 1) Use a tape measure (in inches and also metric units) and square to layout mounting lines on a sheet metal back panel as per a supplied, dimensioned panel layout drawing.
 - 2) Using a spring loaded center punch, cordless drill, drill bits and taps; locate, drill and tap holes through the back panel per drawings.
 - 3) Using a cordless drill or cordless screwdriver, mount wire duct, DIN rail and other components to the back panel using machine screws, self-tapping fasteners, etc. (again, as specified on the drawings).

 - 1) Make Excel spreadsheet lists of wire numbers taken off of paper schematics for printing on the Panduit printer
 - 2) Use the Gravograph laser engraver and corresponding PC based software to produce custom tags and labels.

 - 1) Shear standard lengths of DIN rail to specified custom lengths as per simplified cut lists.

- 2) Use the hand shears and/or chop saw to cut wire duct and covers to specified custom length as per simplified cut lists.
- ***For inquiries, please contact Ryleigh Vertes at rvertes@premierautomation.com***