



## CONTEST SCOPE

*Program Name- Electrical Construction Wiring*

*Contest Chair-Dylan Dohn*

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### Reading Muhlenberg Career and Technology

*2615 Warren Road, Reading, PA 19604*

#### **Contest:**

**Electrical Construction Wiring**

#### **Purpose:**

To evaluate each contestant's preparation for employment and to recognize outstanding students and professionalism in the electrical field.

#### **Clothing:**

Clothing cannot have any writing, logos, or graphics. Competitors must wear long pants free from holes and tightened at the waist (jeans are permissible no sweatpants or workout pants), short sleeve shirt that extends to the elbow or a long sleeve shirt, leather work boots either black or brown, and safety glasses or prescription eyeglasses. All clothing must fit properly and securely. No jewelry is allowed to be worn.

## **Equipment and Material:**

### **Equipment/Tools/Materials Provided by Host School:**

I. All materials needed to complete the contest will be supplied by the school. For example, the school will provide conduit, cable, boxes, equipment, and fittings

### **Equipment/Tools/Materials Provided by the Contestant:**

All tools and safety gear required to complete the contest will be supplied by the contestant. For example, the contestant must have assorted Philip and straight blade screwdrivers, diagonal cutters, needle-nose pliers, wire strippers, linesman pliers, level, hammer, electrician knife, hacksaw, reamer, tape measure, pencil, 1/2" EMT bender (no kickers), tool pouch/ or bag, drill with 3/4" – 1" wood bit and a current NEC book.

Optional would include drills and/or impact drivers with bit set to fasten materials and dustpan and brush to clean your worksite.

## **Scope of Contest**

Contestants are required to complete a written test, a practical conduit bending exercise and a hands-on installation /wiring exercise. Working from drawings and specification sheets, contestants are required to install residential wiring and electrical devices. Judging is on the basis of general workmanship, accuracy of layout and installation, and adherence to the current National Electrical Code, and standard industry safe practices.

## **Additional Information**