

14th Annual NC Electrical Apprentice Contest

April 12, 2024

Instructions and Specifications

The Hands-On portion of the contest will be in two parts. The first is two work tasks that are shown on four 8 ½'X 11" sheets. These tasks are to be done first. The second part is a drawing to use in installing boxes, conduit, wire, devices, and fixtures in the stud wall and on the plywood panel. I suggest you do these second. These drawings must be turned in when you are finished.

There will be **"NO"** conversation permitted regarding the contest once orientation is concluded. Each contestant will be required to work in a **SAFE** and **ORDERLY** manner. No person will be permitted in the **CONTEST AREA** without permission of the **CONTEST CHAIRPERSON**.

1. The **Wiring Contest** employs **4** different wiring methods. All wiring must be installed in accordance with the latest edition of the **NATIONAL ELECTRIC CODE**, measurements, and notes on the contest drawing.

- a. All boxes (plywood section), panel, clamps, will be installed by using screws provided.
(Surface Wiring & Conduit Runs)
- b. All measurements must be within 1/16"
- c. **DO NOT** fasten devices to boxes – **DO NOT** mount panel cover. Make a circuit directory and identify breakers if not marked on panel cover.
- d. Note height of boxes.
- e. All boxes to be set based on 1/2" sheet rock.
- f. Please raise your hand for clarification or assistance and a judge will assist you.
- g. Please keep all material and tools assigned to you within your work areas.
- h. **Grading** will be based on the following:

Neat Workmanship Manner	Adherence to National Electrical Code
Layout & Installation	Safety
Productivity	Operation of Energized System
Clothing & Hand Tool Penalty (two points per item)	

2. **There will be a reduction of points for not having proper tools.**

3. No device plates are furnished.

4. When you have completed the contest, clean your work area. Place all unused material back in the box. Raise your hand and a judge will check your project and record your time of completion. **DO NOT LEAVE WORK AREA UNTIL JUDGE RELEASES YOU.**

5. **OBSERVE ALL SAFETY RULES AND GOOD WORKING PRACTICES AT ALL TIMES.**

6. You have a total of **FOUR HOURS** to complete contest.

7. Written Test will follow Lunch.

8. **ALL JUDGING IS FINAL.**

GOOD LUCK AND HAVE A GREAT DAY!