

10th Annual NC Electrical Apprentice Contest

September 22, 2017

Instructions and Specifications

The Hands On portion of 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 **5** 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!