

South Carolina SkillsUSA
State Residential Electrical Competition

Name of Event: Electrical Construction

Wiring Date of Event: March 27, 2024

(Awards on March 28, 2024)

Contest Chair Contact Information:

Name: Dan Enfinger

Company: Huxtable Electric, Inc.

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Note: Each school is allowed to have up to 4 contestants

All competition materials, i.e. wire devices, tools, etc., must be supplied by the competitor and his/her school.

Testing

All contestants must complete the competition test and PD test using instructions from the state conference website.

Wednesday, March 27, 2024 State Wiring Championships

9:30A.M.	Orientation
10:00A.M.-11:45P.M.	Hands on Project
11:45A.M.-12:05P.M.	Lunch (It is the responsibility of the instructor to bring lunch to their student(s))
12:05P.M.-2:00P.M.	Hands on Project
12:15P.M.-12:40P.M.	Meeting with instructors to discuss changes/improvements to the competition

- 2:00P.M. Championship concludes
- 2:00P.M.-3:00P.M. Judging and tallying of scores
- 3:00P.M.-4:00P.M. Breakdown and Clean Up

Thursday, March 28, 2024, Awards Ceremony

See the state conference page for exact times and location.

State Electrical Competition Materials List

<u>Amount</u>	<u>Description</u>
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1 Box	Wire Staples
1 Box	Ground Pigtail Wire Nuts/Crimp Bonding Grounds
40	Red Wire Nuts
120	Yellow Wire Nuts
13	40 watt light bulbs

3 to 4 foot pigtail (SO) cord with 120v 3 prong male plug on one end, this will be used to test the project.

NOTE: Conduit will be provided for the competition

Boxes for State Competition

3	Two Gang Nail on Boxes (Plastic)
8	One Gang Nail on Boxes (Plastic)
3	Round Nail on Ceiling Boxes (Plastic)
5	½" KO 4x4 square metal boxes

Conduit

10	½" one hole straps with ¾" #10 sheet metal screws
10	½" EMT connectors
8	½" Romex connectors

Wire

15 feet	10/3 with ground
80 feet	14/2 with ground
25 feet	14/3 with ground

Instructors will be given a copy of the project at the conclusion of the competition for their record.

Equipment

- Standard Electricians Tool Box or Tool Pouch & Tools (i.e. Lineman Pliers, Wire Strippers, Hammer, Drill, Screwdrivers, Tape Measure, etc.)
- Digital Multimeter (Optional)
- ½" EMT Bender
- Hack Saw

Dress

- ALL contestants will wear khaki pants and khaki shirt with skills logo on shirt sleeve.
- Shirt will be tucked in!
- NO sagging of the pants!
- No tennis shoes!
- Work Boots or Safety Shoes!
- Hard Hats!
- Safety Glasses!
- NO School Logos or ANY Identifying school names allowed to be worn by competitors!
- Sponsor Logos may be worn on shirts and Hard hats.

NOTE: POINTS WILL BE DEDUCTED IF CONTESTANT DOES NOT HAVE PROPER ATTIRE PER SKILLSUSA. See alternate attire on state conference website.

Competition Supplemental Information

- It is the responsibility of all instructors to bring lunch for their student(s)
- It is the responsibility of all contestants to breakdown and clean up their wiring projects. Any contestant in violation will have **50 Points deducted** from their overall score.