

Carpentry

Contest Update – March 26, 2021



Preparatory Information

Contestants will receive plans in a sealed tube mailer. The mailer must remain sealed until the beginning of the competition.

Each school must procure supplies and materials for the competitor using the materials list provided. Each contestant must also construct a platform on which to build. Lowes gift cards will be provided to help offset the cost of materials.

Contestants will login to the live Zoom meeting and complete the assigned project. The advisor must be present for safety purposes only and may not interact with the contestant at any time.

Contestants may also be required to submit photos of their final product.

Students will have 3 hours to complete the build. If they do not complete the entire build, they will be judged on what is completed. The SCP will provide close up angles and take measurements for the judges.

Submitted files must be in the designated format and named according to the Virtual General Regulations.

Tool List – to be Provided by Each Competitor

Each contestant must have the following equipment, tools and material for the competition. The care use and transportation of the tools and equipment to and from the contest is the responsibility of the contestant. All tools must meet proper OSHA safety standards. Each contestant must have their own tools; sharing of tools is not permissible.

Required tools:

- Laptop or similar device to stream live video to Zoom
- Hard hat
- Safety glasses
- Cut-resistant Level 3 gloves
- Carpenter's tool and nail pouch with belt and/or suspenders
- Utility knife
- Framing hammer
- Finishing hammer
- Claw hammer
- Speed square
- Combination square
- Carpenter's square
- 25' tape measure
- Power circular saw, new blade carbide-tipped blade recommended
- Power reciprocating saw (Sawzall), new metal and demo blades recommended
- Jigsaw, new blades recommended
- 2 - 25' extension cords
- Tin snips or aviation snips

- 24" level
- Cordless drill with Philips tips (battery must be fully charged for competition)
- Cordless impact/driver with Philips tips
- Drywall saw
- Cat's paw
- Wrecking bar
- 4-in-1 screwdriver or equivalent
- Combination wood rasp and file (8')
- Chalk box and line
- Clamps
- 2 - vice grip "C" clamps (for metal studs)
- 2 - saw horses
- 8pt crosscut saw

Optional items:

- Stair gauges
- 10pt or 12pt crosscut saw
- Non-programmable calculator (may not be a cell phone)

Material List – to be Provided by Each Competitor

- 1 – 1 x 6 x 8' Cedar
- 1 – 1 x 6 x 10' P.T.
- 20 – 2 x 4 x 8'
- 2 – 2 x 4 x 10'
- 8 – 2 x 6 x 8'
- 1 – 2 x 8 x 8"
- 1 – 4' x 8' x 3/8" Siding
- 1 – 5" x 4' x 15/32" CDX
- 10 lbs. 12D nails
- 2 lbs. 8D
- 2 lbs. 8D Siding nails
- 1 lbs. 6D nails

Platform Materials:

- 1 – 4' x 8' x 3/4" plywood
- 4 – 2" x 4" x 8'
- 8D nails