

2022- 23 New Jersey SkillsUSA Championships

NJ State Only Contest

FINISH CARPENTRY

Updated Feb. 13, 2023

This event is a "NJ only" state sponsored contest.
There is no national level competition in this area.

Purpose

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of finish carpentry.

Eligibility

Open to active SkillsUSA members enrolled in programs with carpentry as the occupational objective.

Scope of the Contest

Skill Performance

The contest will assess accuracy, workmanship, the ability to read and interpret blueprints and shop drawings, and the proper use of tools and equipment. Contestant's may be required to install various moldings, window and/or door trim, stairs, doors, windows, and cabinets

Clothing

Contestants must wear any color matching work pants and shirt and leather work shoes or boots. Sneakers will not be permitted. Any clothing penalty can result in up to a 5% deduction on the contestant's score.

Safety glasses must have side shields or goggles (prescription glasses may be used only if they are equipped with side shields. If not, they must be covered with goggles). Safety glasses must always be worn while the contest is underway.

Safety Requirement

Both the instructor and the contestant certify by agreeing to enter this contest that the contestant has received instructions and has satisfactorily passed an examination on the safe use of all portable power tools **including an 18ga. Cordless (battery operated) finish nail gun**. They also certify that the contestant's finish nail gun has been thoroughly inspected and is in safe working condition. Further, both the instructor and the contestant agree that NJ SkillsUSA Inc., the NJ SkillsUSA technical committee and its judges are released from all responsibility and liability relating to personal injuries resulting from its use. Contestant's will be removed from competition if proper training has not been provided and/or they are using the equipment in an unsafe manner.

Equipment and Materials

- 1. Supplied by the technical committee:**
 - a. All lumber and materials as specified on the job sheet
 - b. Job sheets and blueprints for each contestant and judge
 - c. All necessary information and furnishings for judges and technical committee
- 2. Supplied by the contestant:**
 - a. Safety glasses/goggles
 - b. Tool apron
 - c. Knee pads
 - d. Tape measure
 - e. 2 pencils #2.5 (F)
 - f. Pencil sharpener
 - g. Utility knife

- h. Finish hammer (16oz. or less)
- i. Combination square
- j. Wood rasp or file
- k. 24" and a 48" level
- l. Sanding block and assorted sandpaper
- m. Wood chisels (4) ¼", ½", ¾", 1"
- n. Nail sets
- o. Coping saw w/ extra blades
- p. Chalk line
- q. Pry (flat) bar
- r. Bevel square (angle finder)
- s. Compass scribe
- t. 1" masking tape
- u. Wood glue
- v. Calculator
- w. 18ga. Cordless (battery operated) finish nail gun w/ 2 batteries and charger
- x. 1", 1 ½", 2" 18ga. Finish nails

******NOTE: Additional tools have been added to the contest update**

****** If you are NOT using a cordless nail gun to assemble your contest problem, you MUST BRING the following:**

- 1lb. 4d Bright Basic Finish Nails
- 1lb. 6d Bright Basic Finish Nails
- 1lb. 8d Bright Basic Finish Nails

****** In addition, to the tool list provided in the contest tech. standards, ALL CONTESTANTS need to bring the following additional tools:**

- Framing Square
- Digital Angle Finder EXAMPLE: Husky # 822H
- Corded or Cordless Circular Saw w/ New Finish Blade, and if needed a Charger and 2 Batteries

****** Make sure all your batteries are fully charged before you pack them up!!!**

Standards and Competencies

C1.0 – Construct interior finish while measuring and cutting materials, fitting and hanging doors and trim, and installing crown moulding

- 1.1 – Fit and hang doors and trim to include swinging, sliding, folding, and pocket doors to industry and manufacturer's standards
- 1.2 – Cut and install crown moulding or other mouldings within 1/16"
- 1.3 – Understand the orientation ("handing") of doors and install them correctly as specified on a blueprint, shop drawing or specification document.

C2.0 – Build stairs by laying out stringer and stringer sets, calculating rise, run and tread cutting and installing stair treads and stair skirts

- 2.1 – Lay out a straight run stringer and a stringer set using a framing square
- 2.2 – Calculate rise, run, and tread width within 1/16"
- 2.3 – Cut and install stair treads and stair skirt within an 1/8" variable

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