



CONTEST DESCRIPTION DOCUMENT

25 - CARPENTRY

Secondary & Post-Secondary Levels

(NOTE: Scope may change without notice)

PURPOSE OF THE CHALLENGE

DURATION: 1 DAY

Assess the contestant's ability to accurately and safely complete certain carpentry tasks using generally accepted carpentry practices.

SKILLS AND KNOWLEDGE TO BE TESTED

Contestants will be assessed on:

- Quality, accuracy, and attention to detail;
- Ability to work safely to deadline;
- General attitude toward work;
- A comprehensive working knowledge of power tools;
- Mastery of use of carpenter's squares;
- Ability to read working plans, specifications, and blueprints; and
- Work planning skills.

TASKS TO BE PERFORMED DURING THE COMPETITION:

- The project is to be built in metric measurements only. The plans provided will be in metric measurement.
- Measuring and Laying out components
- Cutting material
- Assembly of components
- Construction to be traditional framing methods
- Construction may consist of floor, wall, roofing systems, and finishing

The secondary-level project DOES include rafters.

***Due to time constraints, some elements may be eliminated on the day of the competition.*

ESSENTIAL SKILLS

Essential skills are used in nearly every job to varying degrees. They provide a foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills will help you understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high or higher than for many office jobs. Of the nine skills that have been identified and validated as key essential skills for the workplace, this contest involves the following:

<input type="checkbox"/>	Continuous Learning	<input checked="" type="checkbox"/>	Numeracy	<input checked="" type="checkbox"/>	Thinking
<input type="checkbox"/>	Digital	<input type="checkbox"/>	Oral Communication	<input type="checkbox"/>	Working with Others
<input checked="" type="checkbox"/>	Document Use	<input checked="" type="checkbox"/>	Reading Text	<input type="checkbox"/>	Writing

EQUIPMENT, TOOLS, SUPPLIES, AND CLOTHING

Contestants must provide and wear appropriate clothing and protective gear: hard hat, CSA-approved safety boots, safety goggles, and hearing protectors.

PROVIDED BY THE COMPETITOR:

Equipment recommended but not limited:

- Carpenter's Tool belt or Apron
- 5-metre measuring tape (imperial and metric)
- Calculator (non-programmable)
- Lead pencils and erasers
- Carpenter's hammer
- Metric framing square and stair gauges
- Combination square/speed square
- Chalk Line
- Utility knife with blades
- Sanding block with two sheets of 80 and 120 grit sandpaper
- #2 Driver bit for drill (for #8 and #10 Robertson Screws)
- Cross cut hand saw
- Wood Chisels
- Sliding T-Bevel
- Cat's Paw (nail puller)
- Pair of 24" speed clamps
- Nail Sets

PROVIDED BY THE COMMITTEE:

- Circular saw
- Drill
- Jigsaw
- 2 Saw horses per competitor

- 6 Ft. Step ladder
- All required building material and fasteners

List of required personal protective equipment (PPE) provided by competitors

- CSA approved steel toed boots
- Hard Hats
- Safety glasses or goggles (mandatory to be worn at all times)
- Hearing Protection

Note: Competitors will not be allowed to compete if the above items are not brought and used with the exception of respiratory protection and gloves which is optional.

SAFETY REQUIREMENTS

Upon arrival at the Skill area, Competitors will participate in a Safety Workshop and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety and environmental rules, may be required to undertake a second safety workshop, this will not affect the Competitor’s competition time. Failure to comply with safety regulations may result in disqualification or removal of competitor from competition.

JUDGING CRITERIA

- Work organization and planning (time to complete tasks)
- Work is level
- Work is aligned
- Cutting precision
- Compliance with plans
- Compliance with health and safety regulations
- Precision of assembled work
- Careful use of materials

POINT BREAKDOWN / 100 TOTAL

Safety	5
Floor Framing	15
Trim and Finishes	25
Roof Framing	30
Exterior Structure	20
Efficient use of materials/professionalism	5
Total	100

TECHNICAL COMMITTEE MEMBERS - JUDGES

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