

Regional Scope Document

CABINETMAKING (Secondary) 2019

Purpose of the Challenge:

To assess the contestant's knowledge and skill in cabinetmaking by safely building a simple project from a provided drawing.

Skills that maybe tested:

- General safety and safe equipment practice
- Skill and ability in reading and interpreting project plans and specifications.
- Construction of cabinetry products
- The set-up and safe operation of basic wood working machines, portable power tools and hand tools
- The project may consist of dowel joints, mortise and tenon joints, biscuit joints, dado joints, Mitre and lock mitre as well other wood joints. Other skills like layout, cutting shapes, routering, drilling etc. may also be included.
- The demonstration of sound machining, sanding, and assembly techniques in the building of a simple project to an acceptable industry standard
- Quality, accuracy and attention to detail
- Housekeeping
- Ability to work to a deadline
- Technical drawings may be in metric, imperial or both.

The scope is subject to change due to equipment availability and / or the discretion of the technical committee.

Specific Requirements:

Plan to arrive at least one half hour ahead of the contest start time for registration and to set up your tools on the assigned bench. You may be sharing a bench with someone else. This will allow you to have a chance to try out the portable power tools prior to the start of the contest.

- At the start of the contest competitors will be given a blueprint of a simple project to be built. Further rules and clarification will also be given at this time.
- Once work on the project begins you are to work by yourself and not discuss the project with anyone but the judges. The project may change from year to year.
- A lunch break (1/2 hr. approx.) will be given and then work will resume until the given time.
- If a mistake is made and you wish to have a new piece of wood, please get it from a judge who will record this error and marks will be deducted from your total score.
- Since time is limited, your solid wood may already be planed to thickness.
- During the contest, some joints may need to be marked by the judges prior to you gluing them together. Please carefully read all of the documentation that you receive on the day of the contest.
- Plan your work accordingly so that the judges may mark your joints and return them to you when they are done. Do not wait for the judges to evaluate your joints, but rather continue on with other work.
- All work is to be done on site.

Safety Instructions:

Competitor safety is paramount. Competitors must know how to safe use the supplied equipment. If competitors are deemed unfamiliar with the tools and processes by the Regional Tech Host, they will not be allowed to compete.

Competitors must know and comply with Worksafe BC safety standards at all times.

Contestants will not be allowed to compete without using the required safety equipment.

Contestants must wear shop appropriate clothing and safety equipment: CSA approved steel toe footwear, protective eye wear and ear protection.

Equipment / Tools / Materials

Supplied by Committee if needed for project:

- Table Saw with appropriate blades
- Drill / Impact driver
- Chop Saw
- Router Table with bits
- Work Bench with Vise

- Bandsaw / Jigsaw
- Biscuit jointer (Lamello)
- All project materials & fasteners
- Compass or Trammel Points
- Spindle or Drum Sander
- Disc sander
- Edge / belt sander
- Thickness Sander / Planer
- Brad Gun / Brads
- Palm sander
- Glue
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Supplied by Contestant:

A regional specific tool list will be supplied to all registrants two weeks prior to Regional if the list differs from what is below. Please note that not all of the below noted equipment will necessarily be required by each competitor.

- CSA approved Steel toe footwear (no running shoes)
- Eye protection
- Suitable work clothes (No muscle shirts or shorts - long pants only)
- Tape measure (metric and imperial)
- Pencil, eraser and calculator (non-programmable)
- Combination square or speed square
- Hammer
- Block plane
- Assorted screw drivers
- Sanding block and sand paper for finishing
- Nail set
- Chisels (1/4, 1/2, 3/4, 1")
- Drill Bits. (set 1/8" to 1/2")
- Marking Gauge
- Dovetail or Back saw
- Screw drivers (basic set)
- Dowel Centers (1/4" and 3/8")
- 3 - 30-inch Bar or quick grip Clamps

no other power tools may be
used

Judging / Distribution of Marks

- Safety / Work habit (marks deducted for unsafe work habits)
- Accuracy, quality, machining, assembly, sanding, conformation to drawing
- A detailed mark sheet will be given to you prior to the beginning of the competition.

Technical Committee:

Andy Strothotte

Technical Chair

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