



## 2010 13<sup>th</sup> ANNUAL SKILLS MANITOBA COMPETITION CONTEST SCOPE

**CONTEST NAME:** CARPENTRY

**CONTEST NO:** 26

**LEVEL:** Secondary

**NOTE:** This is the final contest scope and includes a picture of the actual project and an updated tool list.

**Secondary Level:** 1 competitor per school – maximum of 8.  
Each school with a Building Construction program will be allowed one competitor before any schools are allowed two competitors. Entries are on a “first come, first served” basis.

**CONTEST LOCATION:** Red River College - Notre Dame Campus

**CONTEST START TIME AND DURATION:** 6 hours, immediately after opening ceremonies

### **PURPOSE OF CHALLENGE:**

To assess the contestant's ability to conduct traditional carpentry tasks safely, accurately, and within an allotted time period from a set of drawings and a full size display model.

### **SKILLS AND KNOWLEDGE TO BE TESTED:**

- Ability to interpret and follow plans and specifications
- Ability to use appropriate hand and power tools safely, accurately and proficiently
- Ability to demonstrate an appropriate standard of workmanship
- Ability to perform framing and simple roof framing procedures:
  - Cut dados in posts with the portable circular saw
  - Cut grooves in rails with the table saw
  - Make plumb cuts & seat cuts with miter saw, portable saw & jig saw
  - Calculate rafter length for a given slope.

**POINT BREAKDOWN / 100% TOTAL:** Will be provided at Competition

**EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:**

Sufficient materials to complete the project (care will be required in the selection of material to ensure the project can be completed – there will be a penalty for using additional materials)

Stationary power tools such as table saws and radial arm saws will be available. There will not be one of each per candidate so there may be some waiting required. Time management and planning will be required.

**EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:**

carpenter's apron	measuring tape (imperial)
hammer	utility knife
combination square (speed square)	framing square
sliding T-bevel	calculator (square root function)
hand-saw	portable circular saw
12" power miter saw (slide saw)	jig saw
cordless drill/driver & #2 driver bit	mallet
extension cord	2 - 18" clamps
1" chisel	small step ladder (project height – 8'-6")

**WORKSITE SAFETY RULES / REQUIREMENTS:**

Contestants must wear appropriate clothing and protective gear. CSA approved safety glasses and safety boots must be worn. Hardhat and hearing protection must be used where required.

**SPECIAL CONDITIONS / ADDITIONAL INFORMATION:**

To be successful, contestants should be enrolled in a secondary level carpentry vocational program. Contestants should be proficient in blueprint reading, use of hand and power tools and have good knowledge of residential framing procedures. Contestants should also be able to lay out plumb cuts and seat cuts with a framing square.

**FOR MORE INFORMATION PLEASE CONTACT:**

Rick Rempel                      204-324-6416                      email: [rempelr@borderland.ca](mailto:rempelr@borderland.ca)