



Table of contents:

- 1. General Contest Information**
- 2. Skills and Knowledge to be Tested**
- 3. Judging Criteria**
- 4. Equipment and Materials**
- 5. Safety**

1. General Contest Information

1.1: Purpose of Contest

To provide competitors with the opportunity to demonstrate, through practical and theoretical application, their skills and task knowledge in the industry relevant to practiced skills, what is found in industry, and employment.

1.2: Objective/Description of event

Students will compete in and promote residential construction technology.

Teams of four students will demonstrate their skills and talents in construction technology.

The Project

Students will be given a set of plans for a small building approximately 4 feet by 4 feet with a window, door, and gable roof. They will be asked to interpret the plans and construct the building to OBC standards.

1.3: Technical Committee

Event Chair: Dan Fisher (fisherda@limetone.on.ca)

1.4: Contest Schedule

Date and Location: Thursday, February 26, 2026 – St. Lawrence College

9:00 - 9:30	Competitor Registration and Welcome (Cafeteria)
9:30 – 12:30	Competition
12:30 – 1:00	Lunch
1:00 – 3:30	Competition
3:30 – 4:00	Clean-Up
4:00 – 5:00	Dinner (pizza provided)
5:00 – 6:30	Awards Ceremony (Gymnasium)
6:30 – 7:30	Open house and collection of projects/tools

*Competitors must be on time for their contest or may be disqualified at the discretion of the Technical Committee.

Closing ceremony: Thursday, February 26th hosted at St. Lawrence College at 5:30pm



2. Skills and Knowledge to be Tested

2.1: Specific Requirements

The contest will have a rubric scoring system. The overall score will be the sum of the points awarded for each of the components. Points are awarded as the competitor(s)/project successfully meets/completes certain performance criteria. Performance criteria are structured, when possible, to provide a range of tasks from easy to complex for each category.

Competitors are expected to demonstrate:

- Ability to accurately read and interpret building plans
- Carpentry: Framing of floors, walls, and roofs; Finishing of openings and gable ends.
- Safety: Safe use of equipment and materials.
- Teamwork

3. Judging Criteria

3.1: Rubric

Total Score: /60

Fasteners: See O.B.C. Table 9.23.3.4 Nailing for Framing. /10

- End nails for joists
- End nails for studs
- Toenails for rafters
- Sub-floor sheeting

Square, Level and Parallel: /10

- Sub Floor
- Partitions
- Door/window jambs

Collaboration: Evidence of planning. /10

- Division of labour
- Material use
- Peer to peer relations

Safety: /10

- Use of PPE's
- Safe use of tools
- Safe use of equipment

Realization of drawings /20

- Sub-floor
- Partition height
- Location of openings
- Roof pitch
- Roof overhang
- Birds mouth of rafter
- Trim elements



4. Equipment and Materials

4.1: Supplied by Competitor

- safety glasses
- safety boots
- hard hat
- ear protection
- tape measure
- hammers
- hand saws
- portable circular saw
- sawhorses
- carpenters belt
- framing square
- combination square
- levels
- 6' step ladder
- extension cords
- hand drills (battery or electric)
- wood chisels
- chalk line
- pry bar
- pencils
- calculator

**All materials, and stationary equipment provided by committee, all drawings in imperial measurements.

4.2: Supplied by Competition

Materials

- 3-2x6x12 SPF
- 2-2x6x8 SPF
- 2-2x4x10 SPF
- 12-2x4x12 SPF
- 6-1x4x12 SPF
- 5-4x8x7/16 OSB
- Shims

Fasteners

- Framing-3 ½" Ardox Nail
- Subfloor Sheeting-2" Wood Screw
- Wall Sheeting-2 ½" Ardox Nail
- Jamb Assembly-1 ½" Finishing Nail
- Shimming Jamb-2" Wood Screw
- Casing-1 ½" Finishing Nail

5. Safety

5.1: PPE

Clothing Requirements:

- No loose or baggy clothing
- No jewelry
- CSA approved eyewear
- CSA approved footwear
- CSA approved hard hat
- Ear protection required when using power tools