

# British Columbia Competition



Provincial  
Contest Scope  
2025

**LOCATION**- Abbotsford Trade and Exhibition Center, 1190 Cornell St, Abbotsford BC, V2T 6H5

**TABLE OF CONTENTS**

1. GENERAL CONTEST INFORMATION
2. SKILLS AND KNOWLEDGE TO BE TESTED
3. JUDGING CRITERIA
4. EQUIPMENT AND MATERIALS
5. SAFETY

There may be a newer version available: [2025 Provincials - Skills Canada B.C.](#)

Please check our website to ensure you have the latest version as indicated in the last updated column.

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## 1. GENERAL CONTEST INFORMATION

### 1.1 Purpose of the Contest

To provide competitors with the opportunity to demonstrate, through practical and theoretical application, their skills and task knowledge in the industry; the purpose is to:

- Assess the competitors' skills in performing design and drawing tasks.
- Assess the competitors' abilities to apply the following key themes:
  - Architecture - envelope design, space planning, materials selection, and CMHC wood frame construction handbook
  - Engineering - structural systems, spans, basic mechanical and electrical systems integration
- Construction - regulatory building codes, assembly

This contest is offered as an **official contest**

This contest is offered at the **Skills Canada National Competition (SCNC)**

For WorldSkills Information, please visit the Skills Canada B.C. website under Competitor Eligibility.

### 1.2 Technical Committee

**Technical Chair** : Kelly Wightman

**Co-Technical Chair** : Jesse Reimer

**Contact:** [info@skillscanada.bc.ca](mailto:info@skillscanada.bc.ca)

Any questions regarding this scope must be sent at least two weeks prior to the contest date to be guaranteed a response.

### 1.3 Contest Schedule

<b>Wednesday, April 16, 2025 - Post- Secondary</b> Abbotsford Trade and Exhibition Center	
7:00am – 7:30am	Sign-in at the contest site*
7:30am – 8:00am	Orientation
8:30am – 11:30pm	Competition
11:30pm – 12:30pm	Lunch
12:30pm – 3:30pm	Competition
4:00 – 6:00	Judging – Refreshments and snacks in Competition Hall

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

**Closing Ceremony:** 6:00 – 7:00 PM - Provincial Medals Award Ceremony

**Additional Information**

- [Skills Canada British Columbia Rules](#)
- Visitors may have to pay for parking at Tradex
- For anyone staying overnight Abbotsford has many hotels.
- At Closing Ceremonies, medal standings are announced, gold medal letter distributed

**2. SKILLS AND KNOWLEDGE TO BE TESTED**

**2.1 Specific Requirements**

100% Practical

- Computer Aided Design Drafting (CADD), BIM (Building Information Model) and sketching techniques. The contestant will be challenged with interpreting instructions, reading and developing sketches, and/or specifications for a residential or a commercial building project.
- Measurement will in **metric** for post-secondary

**3. JUDGING CRITERIA**

**Presentation of the Submission**

Clarity: Drawings should be easy to read and interpret, with appropriate line weights, annotations, and dimensions.

- ☐ Organization: Logical arrangement of sheets, including elevations, plans, sections, and details.
- ☐ Graphic Design: Effective use of visuals, color, and layout to enhance presentation.
- ☐ Professional Standards: Compliance with architectural drafting conventions and standards.
- ☐ Accuracy and Constructability of the Drawings and/or BIM
- ☐ Technical Precision: Measurements, scales, and dimensions must be accurate and consistent.
- ☐ Code Compliance: Adherence to applicable building codes and regulations.
- ☐ Constructability: The drawings and/or BIM model should demonstrate a clear understanding of practical construction methods and feasibility.
- ☐ Detailing: Comprehensive detailing of critical connections and material transitions.
- ☐ Use of BIM: Accurate 3D modeling with clean geometry, proper data integration, and clash-free design.

**Total, Mark out of 60**

There can be no ties – if the score is even after the contest, the Technical skills demonstrated during the competition section will be used as the tie-breaker.

Rule infractions will result in appropriate mark deductions at the discretion of the Technical Committee. Any disqualifications will be reviewed by the Director of Competitions.

#### 4. EQUIPMENT AND MATERIALS

##### **Supplied by Competitor:**

Competitors are to **bring their own computer and software** to the SKILLS B.C. COMPETITION.

##### **BYOD – bring your own device.**

- Autodesk Revit or BIM software is required.
- Competitors are required to supply their own computer and peripherals, including mouse, keyboard, cables and docking station if as required
- Competitors to provide HDMI cable to ensure compatibility
- Competitors may use either a desktop or laptop computer. No more than two monitors/screens may be used. This includes the screen from the laptop.
- Other than operating software, no files are permitted on the desktop or laptop. Files must be removed prior to the competition orientation.
- Software - only default template and families and competitors need to make sure the family libraries are installed (no online access).
- Post Secondary Competitors are required to use Autodesk Revit or BIM software to prepare their drawings. Internet access only provided to access and operate software. No other internet usage/access will be permitted during competition.
- If competitors are bringing a computer supplied by their school (instead of their own personal computer), their user account must have administrator-level access for the duration of the competition in the event that specific system folders or files need to be accessed to permit the install of software or driver updates or access settings to troubleshoot issues.
- Competitors preferred software must be capable of printing or exporting to a PDF file, using installed PDF creation software (ie. Blue Beam / Adobe PDF writer) Competitors are to ensure PDF creation software is installed and tested prior to competition time.
- The competitor is responsible for any malfunctioning software that has been installed
- Please ensure you bring your own ethernet network adapter if your computer does not have one built in. There is no WIFI available.
- Please ensure your anti-virus is up to date. Failure to have up to date antivirus software could result in point deduction(s) or disqualification from the contest.
- Bring a back-up device if desired. No back up devices will be available/ provided
- **NOTE:** Volunteers will not provide technical assistance for hardware or software.
- **NOTE:** Competitors must be capable of printing or exporting to a PDF file, using installed PDF creation software (ie. Adobe PDF writer, Bluebeam)
- **NOTE:** Competitors must be capable of saving PDF & Software files onto a Skills provided USB

- No software reference manuals, textbooks or electronic data (e.g. CD or diskette), will be permitted for the duration of the competition.
- CMHC Wood-Frame Construction handbook will be permitted.
- National Building Code and/or B.C. Building Code
- Scales (metric and imperial)
- Calculator
- Pencil
- Paper
- Snacks
- Refillable water bottle, water stations will be on/ near the contest site.
- All general health and safety guidelines and protective equipment as noted in the Safety section
- Personal USB to save competitor's project files. (Refer to Project section).
- Books, notes, materials and assisting devices are not permitted unless listed above.
- No specific requirements. However, we recommend the following:
  - Ear plugs
  - Noise cancelling headphones and/or
  - Ear buds for music

Only default software libraries, families, blocks, and components are permitted to be used during the competition. The competition design does not require the use of anything custom.

Competitors must be dressed in a clean and appropriate manner with no logos other than that of their school/school board.

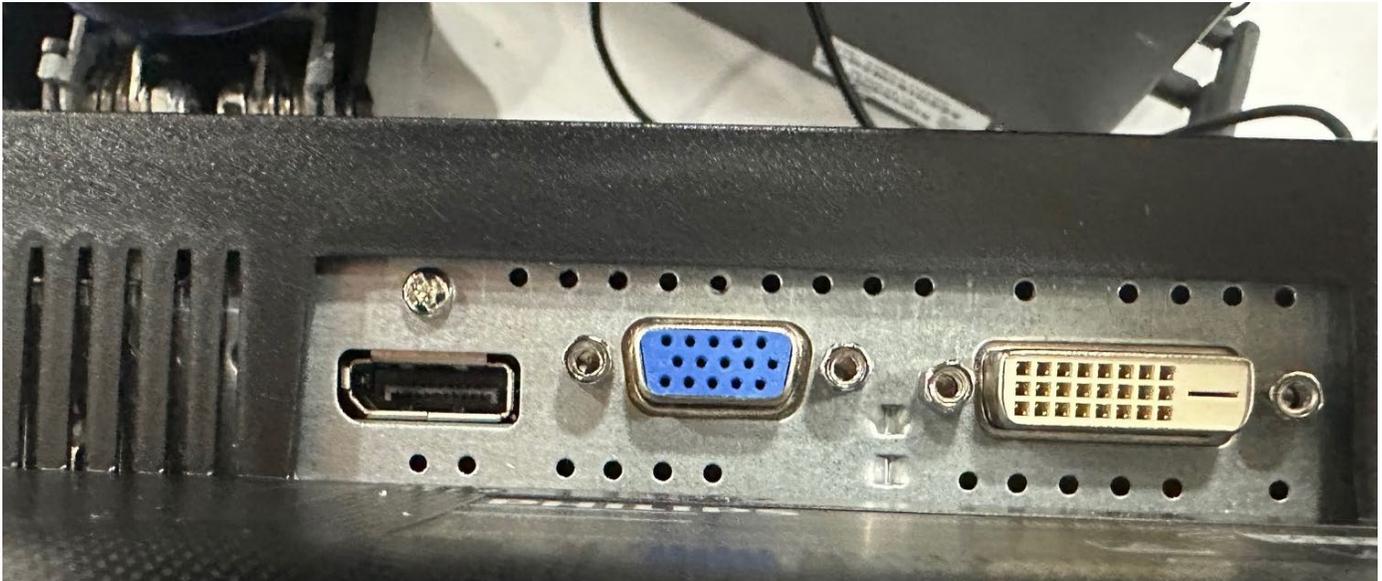
#### Use of Technology

##### Mobile phones and music

- MP3 players or cell phones on airplane mode are permitted during the competition to listen to music provided the competitor wears headphones or earbuds.
- During the competition, competitors are not permitted to use their cell phones for calling, texting, or accessing the internet.
- ☒ Failure to comply with this rule will result in disqualification.

**Supplied by Skills Canada B.C. Technical Committee:**

- Lunch supplied by Skills BC
- Tables and chairs
- 4 X 120V power outlets.
- Second monitor available **no HDMI connections available**, See photo of available connections.  
**Competitors who wish to use a Skills BC supplied external monitor are responsible for procuring the appropriate cable/connection.**



Notes, additional materials or assisting devices are not permitted unless listed above.

Prior to attending the Skills Canada B.C. Competition, students should be familiar and competent in the use of the tools and equipment listed above as well as safety precautions that should be observed.

**5. SAFETY**

Safety is a priority at the Skills Canada B.C. Competition. At the discretion of the Technical Committee, any competitor can be removed from the competition site for not having the proper safety equipment and/or not acting in a safe manner.

**Gold medal winners at the BC Skills Competition may be eligible to compete in the 2025 National Skills Competition on May 29-30, 2025, in Regina, Saskatchewan at the Regina Exhibition Association Limited (REAL) District.**