



## Contest Description

Edmonton Expo Centre, Edmonton

May 8 & May 9, 2024

<b>EVENT:</b> Bricklaying	<b>LEVEL:</b> Post-Secondary
<b>SCHEUDLE</b> <b>MAY 8:</b> Orientation: 7:30 AM Competition start: 8:00 AM Lunch: 11:00 AM – 12:00 PM Competition End: 4:00 PM <b>MAY 9:</b> Orientation: 7:30 AM Competition start: 8:00 AM Lunch: 11:00 AM – 12:00 PM Competition End: 2:00 PM	<b>LOCATION:</b> Hall A, Edmonton Expo Centre, Edmonton
<b>DURATION:</b> 12 hours (Two days)	<b>THEORY EXAM:</b> No
<b>WORLDSKILLS TRADE #:</b> 20	

*Please Note: This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in yellow.*

### CONTEST INTRODUCTION

The project consists of practical work reflecting artistic and structural elements of building construction. The materials may be brick, concrete block, glass block and/or natural stone. Decorative elements may include arches, all possible bonds, flat and/or curved walls, projecting and/or recessed units and non-dimensional cut stone. Theoretical knowledge is not tested but necessary to carry out the practical work on the project.

### Skills and Knowledge to be Tested:

- Measuring lengths
- Calculating and marking angles
- Determining layout and drawing interpretation and compliance with plans
- Gauging
- Cutting masonry material \*Brick cutting (not including 90 degrees) to be limited do a maximum of 25% of the total numbers of bricks
- Leveling, plumbing and alignment
- Building corners
- Building walls of different bonds, materials and unit positions

- Building arch forms and arches
- Compliance with the plans
- Jointing; finish and accordance with plans
- Cleaning

## PROJECT DESCRIPTION

This project will challenge the competitor’s ability to follow detailed plans, precisely lay out masonry walls, keep walls level and plumb, work cleanly and neatly as well as precisely cut and shape masonry units. The competitors may also be utilizing math and geometry skills to build arch forms.

## EQUIPMENT AND MATERIALS

### Equipment and Materials Competitors Must Supply:

CSA Approved Safety Boots	CSA Approved Safety Glasses	Line and line holders
Round jointer (#80 Marshalltown)	Flat jointers (8mm (1/4”) 1 Long And 1 Short)	Appropriate work clothes, including gloves
Wheel raker	Brick hammer	Soft bristle brush, carpet, foam
Trowel	Metric tape & gauge tape	Levels
Angle finders	Bond paper	Brick set (Bolster)
Square(s)	Chalk line	

### Equipment and Materials Supplied by the Committee:

Mortar, brick, block, glass block and stone to a maximum of 15kg (30lbs) per unit	14” masonry wet saws <u>with silent blades.</u> (1 per 2 competitors)	Competitor stations: planks, mortar boards, water jugs,
Floor protection	Mortar mixer & water barrels	Wood for templates and forms
Power tools and fastening hardware	Shovels, brooms, wheelbarrows, pails, brick tongs,	

## Competitor Station

- Each competitor will have a working area of least 9 m<sup>2</sup>. The floor surface will be even ( $\pm 5$  mm and 2 m long), horizontal and have an adequate loading capacity. There will be sufficient space for delivery and storage of material.
- There will be a space of 1 m between public barrier and the competitor materials

## Judging Criteria

The project will be judged on the following criteria:

- Safety
- Overall appearance and neatness
- Completion time
- Alignment
- Level
- Plumb
- Jointing
- Dimensions and gauge
- Joint uniformity and finish

## Ties

- **Tiebreaker #1:** In the event of a tie, the competitor with the highest score for Plumb (vertical alignment) criteria will be declared the winner.
- **Tiebreaker #2:** If a second tie occurs, the competitor with the highest score in the Joint uniformity and finishing criteria will be declared the winner.
- **Tiebreaker #3:** If a third tie occurs the competitor with the highest score in the Detail criteria will be declared the winner.

## Clothing Requirement

Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts, sweatpants, track pants and open toed shoes/sandals will not be permitted. No loose-fitting clothes or jewelry.

## SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

## ADDITIONAL INFORMATION

### Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)

### Test Project change at the Competition

Where the Test Project has been circulated to competitors in advance, PTC may change a maximum of 30% of the work content.

### Lunch

Lunch for competitors will be provided by Skills Canada Alberta.

### Parking & Venue Maps

<http://edmontonexpocentre.com/attend/parking/>

Parking is FREE for all attendees.

### Opening Ceremonies / On-site Provincial Competitor Registration

Opening Ceremonies for the PSCC will take place on Tuesday May 7, 2024, at 6:00 pm in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremonies.

### Awards Ceremony

The Awards Ceremony will take place on Thursday May 9, 2024, at 6:30 pm in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at <http://skillsalberta.com/>



### Team Alberta Information

Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 27- June 1, 2024, in Quebec City, QC. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at <http://www.skillscanada.com/>.

During the PSCC Awards Ceremony on Thursday May 9, 2024, gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next top ranking individuals will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation must be emailed to [javierad@skillsalberta.com](mailto:javierad@skillsalberta.com) prior to the start of competition on May 8, 2024.

**Please prepare your students in advance to accept a position on Team Alberta and outline how your school will support their participation.**

### Questions?

Please contact Whitney Koop at [whitneyk@skillsalberta.com](mailto:whitneyk@skillsalberta.com) if you have any questions regarding the Contest Description.

### COMMITTEE MEMBERS

Derek Kowalchuk (Chair)

Louis St Laurent (Co-chair)

Spencer Greidanus (Safety lead)

Max Capella (Try-A-Trade)

