



## Contest Description

Edmonton Expo Centre, Edmonton

May 7 & 8, 2025

<b>EVENT:</b> Mechanical Insulation	<b>LEVEL:</b> Post-Secondary																
<b>WORLDSKILLS TRADE #:</b> 11	<b>LOCATION:</b> Hall A, Edmonton Expo Centre, Edmonton																
<b>DURATION:</b> 10 Hrs. (Two Days)																	
<b>COMPETITION SCHEDULE:</b> <div> <div> <b>May 7:</b> <table> <tr><td>ORIENTATION</td><td>7:30AM – 7:45AM</td></tr> <tr><td>COMPETITION</td><td>7:45AM - 2:30PM</td></tr> <tr><td>LUNCH</td><td>11:30AM -12:00 NOON</td></tr> <tr><td>JUDGING</td><td>2:30PM-3:30PM</td></tr> </table> </div> <div> <b>May 8:</b> <table> <tr><td>ORIENTATION</td><td>7:30AM – 7:45AM</td></tr> <tr><td>COMPETITION</td><td>7:45AM – 2:30PM</td></tr> <tr><td>LUNCH</td><td>11:30AM -12:00 NOON</td></tr> <tr><td>JUDGING</td><td>2:30PM-3:30PM</td></tr> </table> </div> </div>		ORIENTATION	7:30AM – 7:45AM	COMPETITION	7:45AM - 2:30PM	LUNCH	11:30AM -12:00 NOON	JUDGING	2:30PM-3:30PM	ORIENTATION	7:30AM – 7:45AM	COMPETITION	7:45AM – 2:30PM	LUNCH	11:30AM -12:00 NOON	JUDGING	2:30PM-3:30PM
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**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

Mechanical Insulation is installed onto Industrial and Commercial equipment to increase the efficiency of the system to which it is attached.

### Purpose of the Challenge:

The purpose of the challenge is to enable the competitors to demonstrate their skills in working with insulation and PVC / Aluminum finishing materials.





## PROJECT DESCRIPTION

### Insulation fabrication and application skills

- Fabrication of miters for use on the supplied pipe rack
- Fabrication of an equal tee for use on the supplied pipe rack
- Fabrication of an unequal tee for use on the supplied pipe rack
- Application of insulation on the supplied pipe rack
- Application of the miters fabricated onto the supplied pipe rack
- Application of the equal and unequal tees onto the supplied pipe rack

### PVC / Aluminum fabrication and application over the insulation

- Fabrication of Aluminum finishing materials over pipe insulation
- Fabrication of Aluminum to fit over an equal tee
- Fabrication of Aluminum to fit over an unequal tee
- Application of Aluminum finishing materials over pipe insulation
- Application of Aluminum fabricated equal and unequal tees
- Application of prefabricated elbows and end caps over pipe insulation

## EQUIPMENT & MATERIALS

### Equipment and Materials Competitors Must Supply:

- Approved Footwear
- CSA Approved Safety Glasses
- Work gloves

\*\* The competitor will be provided with coveralls and must be worn during the competition

### Equipment and Materials Supplied by the Committee:

- Pipe rack used for the insulating competition
- Hand tools & Equipment including:
 

M-1 Aviation Snips	M-2 Aviation Snips
Combination Square	2 sets of Dividers
2- Tape Measure	Scratch Awl
2- Knives	Utility Knife
Pruning Saw	Nippers
Keyhole Saw	Sheetmetal Hammer
12 in Tinsnips	#2 Roberson Screwdriver
Toolbox	Lock
Circumference Rulers	SS Wire & Screws
Cordless Drill	Hepa Vacuum
Band Tightener's	Sharpies
- \*\* Approved Coveralls





## **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.

- \*\* Competitors are required to follow all industry safety standards during the competition.
- \*\* The competitors are expected to wear the safety equipment during the competition.
- \*\* Competitors will not be allowed into the competition area without the required safety equipment.

## **ADDITIONAL INFORMATION**

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

[Regional and Provincial Rules and Regulations](#)

### **Test Project change at the Competition**

Where a Test Project has been circulated to competitors in advance, the PTC can change the project up to a maximum of 30% of the work content for the competition.

### **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 / Competitor Registration**

Opening Ceremonies for the PSCC will take place on Tuesday May 6, 2025, 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 8, 2025, 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/>

### **Questions?**

Please contact Mike Sury [MikeS@SkillsAlberta.com](mailto:MikeS@SkillsAlberta.com)





## COMMITTEE MEMBERS

Andrew Garrett  
Dan Annett  
Kassy McDowell  
Paul Blinzer  
Josh Riedyk  
Chantel Smith  
Fred Savoie  
Derek Stock  
Dallas Paker

Chair  
Co-Chair  
Insulators Union Local 110 (Try-A-Trade Lead)  
Safety Lead  
Crossroads C&I  
Northern Alberta Institute of Technology (NAIT)  
Northern Alberta Institute of Technology (NAIT)  
Insulators Union Local 110  
Southern Alberta Institute of Technology (SAIT)

