

# 2025 Provincial Scope Document

PLUMBING (Post-Secondary) April 16, 2025  
Contest Length: 6 hours Check in time: 7:30 am  
Contest Start: 8:30 am

## Contest Sponsors:

TRU, UAPICBC, BCIT, UFV, Riverside College, KPU, OK, Camosun

## Technical Committee:

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## Purpose of the Challenge:

To assess the competitor's knowledge and skills of plumbing materials and assembly. With an emphasis on quality, workmanship, and accuracy of work within a specified time frame.

## Skills and Knowledge to be tested:

Application of mathematical concepts involving piping and piping layouts.  
Reading and interpreting diagrams and specifications  
Assembly of pipe and fittings, which may consist of:  
System 15 DWV  
Cast Iron  
DWV copper  
Support fasteners (uni-strut)  
Riser clamps, 3/8" ceiling plates, 3/8" redi rod  
Measurements to be taken from horizontal and vertical benchmarks.  
Safe work practices

### **Equipment/Tools Supplied by Skills Committee:**

Plumbing materials  
Testing equipment  
Chain vises  
Soil Pipe Cutters  
Platforms  
Cordless drills  
Robertson screw bits  
Screws  
Solvent cements  
Rags/hand cleaner  
Spare hand tools  
Socket/ratchet kit  
Soldering equipment and torch  
All material to complete the project

### **Supplied by Contestant:**

Claw hammer  
Hacksaw c/w spare blade  
Metric tape measure  
Framing square  
Torpedo level  
2ft.level and 4ft level  
Plumb bob  
Chalk line  
5/16" nut driver  
5/16" torque wrench  
Robertson #8 screwdriver / #10 screwdriver  
Blade screwdriver medium  
Blade screwdriver large  
Water pump pliers  
10" Adjustable wrench  
6" Adjustable wrench  
  
Pencil/marker  
Scrap paper  
Calculator

### **Safety**

It is mandatory for all contestants to wear CSA approved safety equipment (glasses, and boots)  
prescription eye wear must have safety shields  
Jewelry such as rings, bracelets and necklace or any other items thought to be unsafe by the  
judges must be removed  
Proper shop attire must be worn; no loose or baggy clothing. Any attire deemed unsafe by the  
judges must be removed  
Long hair must be tied back  
The use of cellular device in the competition area not allowed  
Competition Judges have the final Authority over matters of Safety

<b>Judging Criteria</b>	Accuracy of install	60%
	Quality of Workmanship	20%
	Pressure Test	15%
	Safety	5%
	<b>Total</b>	<b>100%</b>