

2025 Provincial Scope Document

PLUMBING (Post-Secondary) April 16, 2025

Contest Length: 6 hours

Check in time: 7:15 am

Contest Start: 7:30 am (approximately)

Contest Sponsors:

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

Technical Committee:

John Michalec Technical Committee Chair: john.michalec@uapicbc.ca

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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
All soldering equipment, supplies and torch assemblies
Inside/outside PVC reamers
#20 copper tube cutters (extra)
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
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
#20 copper tube cutters (I will provide extra #20 cop. cutters if needed)

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

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