



COMPETITION SCOPE

15th Annual Nova Scotia Skills Competition

Official Competition Name: Plumbing
Competition Level: Post Secondary
Competition Location: NSCC Pictou Campus, Stellarton, NS
Competition Date & Time: March 22, 2012 - 8 A.M.

Timeline

Tentative timelines will be:

8am to 9 am	Orientation
9 am to 10 am	Model sheets and storyboarding – No access to computers.
10.00 am to noon	Production Time
Noon to 12.30 pm	Break for lunch (mandatory)
12.30 pm to 3.30 pm	Production time
3.30 pm	Screening of competitor's movies

Purpose of Challenge

The purpose of the plumbing competition is to exhibit the attitude, skills and talent required to complete a challenging plumbing project.

Number of Stations

Three stations will be available in room B-151

Skills and knowledge to be tested

Application and understanding of offsets in both copper and plastic pipe fittings

Drawings, Measurements and Calculations being:

Applying mathematical concepts involving 45 – degree offsets in piping systems.

Adjusting pipe lengths to accommodate for fitting allowances.

Read a tape measure in imperial for this competition.

Identify fittings and obtain a material take off list from an isometric drawing.

Read a floor plan and isometric drawing.

System Construction / Testing

Install a section of pipes and fittings that represent the skills required to install a drainage potable water piping system.

Safety

An awareness of safety and safe working conditions must be maintained at all times.

Personal Protective Equipment (PPE) must be worn at all times. Participants are reminded to bring their own Boots, safety glasses, and hard hats.

Prerequisites

Must be enrolled in a secondary / post secondary plumbing and or pipes trades program.

OR

Be registered in the apprenticeship plumber program

Equipment, tools, supplies, clothing:

Some equipment will need to be supplied by both the competitor and some by the Committee, which can be viewed at a later date.

Point Breakdown:

Accuracy of installation	50%
Quality of Workmanship	30%
Water piping pressure test (air)	10%
Safety	10%

(Marking percentages are subject to change prior to the competition)

Full marks for dimensions with +/- 3/16 inch
Half marks for dimensions with +/- 1/4inch
Points deducted for additional materials requests

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Other Information

See note in section on equipment, supplies and clothing above.

Also the list may be found on the Nova Scotia Skills Competition Web Site.

Technical Committee Member and Judges

PTC – Bryan Mattix

Judges will be picked at a later date (three)