



Project
Plumbing
POST-SECONDARY



INTRODUCTION

The Contestants will be assessed on their knowledge and skills in the installation of a plumbing system with high regards to the aspects of quality of work, proficiency of pipe joining techniques, accuracy of work and time management.

Day 1: Potable Water and Heating

DESCRIPTION OF PROJECT AND TASKS

The Competitor will install the required potable water and heating pipes according to the provided drawings and associated materials.

Timeline

6 Hours

Objective

Fabricate, layout and install water and heating lines based on supplied drawings. Piping may be soldered, crimped, brazed, and bent as indicated on supplied drawings.

Instructions

The competitor will be required to follow the given project specifications that will be provided with the included individual isometric piping drawings at the start of the competition. All water and heating lines must be installed and tested on Day 1. Marking and inspection will be conducted at the conclusion of Day 1 activities. Judges will be monitoring the order of operations performed and any additional installation instructions that are given. Safety, quality, consistency, and accuracy are key factors to this competition.

Day 2: Drainage Waste & Venting

Description of Tasks

The Competitor will install the required drainage waste and vent piping according to the provided drawings and associated materials.

Timeline

6 Hours

Objective

Fabricate, layout and install drainage, waste and vent piping based on supplied drawings. Piping may be soldered, fused or mechanically joined, as indicated on supplied drawings.

Instructions

The competitor will be required to follow the given project specifications that will be provided with the included individual isometric piping drawings at the start of the competition. All drainage waste and vent piping must be installed on Day 2. Marking and inspection will be conducted at the conclusion of Day 2 activities. Judges will be monitoring the order of operations performed and any additional installation instructions that are given. Safety, quality, consistency and accuracy are key factors in this competition.



NUMERACY



READING



PROBLEM SOLVING