



SCNC
SKILLS CANADA
NATIONAL
COMPETITION



OCMT
OLYMPIADES
CANADIENNES
DES MÉTIERS
ET DES
TECHNOLOGIES


SkillsCompétences
Canada
Halifax2019

TEST PROJECT / PROJET D'ÉPREUVE

SPRINKLER SYSTEMS

RÉSEAUX

D'EXTINCTEURS

AUTOMATIQUES

POST-SECONDARY / NIVEAU POSTSECONDAIRE



Part 1: Piping Frame Fabrication (6 Hours)

Competitor is required to properly measure, cut, groove, and install 2" Schedule 10 frame piping and 1" Schedule 40 bracing piping. Dimensions are to be interpreted on-site.

Step 1: Calculate pipe dimensions interpreted from onsite drawings. **STOP for assessment**

Step 2: Measure and cut 2" Schedule 10 black steel pipe and thread 1" Schedule 40 black steel pipe required with RIDGID 300 Power Threading Machine. Label all pieces using supplied paint marker to match labels on supplied drawing.

Step 3: Groove 2" pipe with RIDGID #916 Groovers, PT-100A Grooved Pipe Diameter Tape, RIDGID 300 Power Threading Machine and prep ends for install. Cut and thread 1" pipe for frame supports. **STOP When ready for installation for Assessment**

Step 4: Install Pipe using Impact Driver and pipe wrenches. **STOP When done for Assessment**

Part 2: Sprinkler Branch Line Installation (6 Hours)

Competitor is required to measure, cut, and install 1" Steel and CPVC piping for sprinkler installation.

Step 1: Calculate pipe dimensions interpreted from onsite drawings.

Step 2: Measure, cut, and prep piping for install

Step 3: Install Piping to feed required sprinklers using pipe wrenches and Solvent Cement. Install sprinklers. **STOP when finished for assessment**