



SkillsCompétences
Canada
Vancouver2020

Project / Projet

Sprinkler Fitter/Mécanicien Mécanicienne en protection-incendie

Skill / Métier 55



SCNC / OCMT
2020
VANCOUVER

1 INTRODUCTION

The competitor will assemble a steel pipe frame on a fixed platform. On this steel frame the competitor will install one steel and one CPVC branch line each with sprinkler drop.

2 DESCRIPTION OF PROJECT AND TASKS

There are 2 parts to this project, one being the steel frame fabrication/install and the other being the branch and drop piping fabrication/install.

- 2.1 Part 1: Competitor is required to properly measure, cut, groove, and install 2" Schedule 10 frame piping, 1" Schedule 40 bracing piping and, associated valves and fittings. Dimensions are to be interpreted on-site.
 - 2.1.1 Calculate pipe dimensions interpreted from onsite drawings. **STOP for assessment**
 - 2.1.2 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.
 - 2.1.3 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.
 - 2.1.4 Install Pipe, fittings, and associated valves using provided tools and equipment.
- 2.2 Part 2: Competitor is required to measure, cut, and install 1" Steel and CPVC piping for sprinkler installation. Competitor will also install 2 sprinklers in drop ceiling as indicated on drawings.
 - 2.2.1 Calculate pipe dimensions interpreted from onsite drawings.
 - 2.2.2 Measure, cut, and prep piping for install
 - 2.2.3 Install Piping to feed required sprinklers using pipe wrenches and Solvent Cement. Install sprinklers.

***Ceiling frame and panels to be installed by NTC members. Ceiling height not to be adjusted to accommodate errors.**