

Red River Floodway Expansion Project Job Referral Service

Steamfitters/Pipefitters (7252)

This form is to be used for the following positions:
Pipe Fitters / Steam Fitters – Journeyman and Apprentice
Pipe Fitters / Welders – Journeyman and Apprentice

Name: _____

SIN: _____

* must select at least one response

* Education

- Less than high school
- Some high school
- Completion of high school
- Some college/CEGEP/vocational or technical training
- Completion of college/CEGEP/vocational or technical training
- Some university
- Completion of university

* Credentials (certificates, licences, memberships, courses, etc.)

- None
- 1st Period Apprentice
- 2nd Period Apprentice
- 3rd Period Apprentice
- 4th Period Apprentice
- 5th Period Apprentice
- Steamfitter – Pipefitter Trade Certification Experience _____
- Steamfitter – Pipefitter Red Seal Certificate Experience _____
- Sprinkler System Installer Trade Certification Experience _____
- Sprinkler System Installer Red Seal Certificate Experience _____
- Canadian Welding Bureau Certification

* Experience

- No experience
- Less than one year
- 1 - 2 years
- 2 - 5 years
- 5 - 10 years
- 10+ years

Languages

- Speak English
- Read English
- Write English

Type of Establishment/Work Setting Experience

Construction Industry

- Commercial Construction
- Institutional Construction
- Industrial Construction
- Residential Construction

Area of Steamfitting and Pipefitting Specialization

- High pressure steam systems
- High pressure water systems
- High pressure oil systems
- High pressure other liquids and gases
- Low pressure steam systems
- Low pressure water systems
- Low pressure oil systems
- Low pressure other liquids and gases

Type of Piping

- Black carbon or steel
- Plastic
- Glass or Pyrex
- Copper
- Stainless steel

Welding Techniques

- AC transformers and inverters
- Stud welding
- Shielded metal ARC (SMAW)
- Flux cored ARC
- Gas Tungsten ARC (GMAW) (TIG)
- SCW welding machine
- Plasma ARC
- Electric ARC
- Gas metal ARC (GMAW) (MIG)
- Oxy-acetylene
- Electroslag
- ARC seam
- AC – DC rectifiers
- Submerged ARC
- Heliarc
- ARC spot

(See next page)

Welding Positions

- Flat
- Horizontal
- Vertical – up
- Vertical – down
- Overhead
- All positions

Specific Skills

- Determine layout requirements
- Cut openings for pipes in walls, ceilings or floors
- Select type and size of pipe
- Measure, cut, thread and bend pipes to required shape and size
- Weld, braze, cement or solder pipes and joints
- Test system for leaks
- Remove and replace defective components
- Install clamps, brackets and hangers to support piping and sprinkling systems
- Connect piping systems to water mains, supply tanks, pumps, compressors and control equipment
- Erect scaffolding, ladders, lifts and other temporary work platforms
- Rig material and equipment
- Operate power lifts
- Start up and reactivate systems
- Troubleshoot systems

Additional Skills

- Read and interpret blueprints, drawings and specifications
- Instruct apprentices
- Willing and able to work in confined areas
- Willing and able to work at heights