

ESSENTIAL QUALIFICATIONS FOR PLUMBERS

Plumbers employed by Apex Plumbing & Mechanical Piping, LLC should have knowledge and skills necessary to perform duties of a journeyman plumber as stated in the newest edition of the Unified Plumbing Code (UPC) book. **Plumbers** at Apex will be responsible to construct, erect, install and repair plumbing in all its facets using plumbing hand tools and power tools.

EDUCATION

High School education or GED is desirable for this position.

EXPERIENCE

A minimum of four years plumbing experience is required.

TECHNICAL SKILLS AND ABILITIES

- Must be able to read and write.
- Must be able to speak and read English.
- Must be able to read and understand blueprints.
- Must have a current Washington State drivers license.
- Must have a current Washington State journeyman plumbing certificate.
- Must be able to effectively run a plumbing job.
- Must be able to supervise helpers and other plumbers.
- Must be able to operate the following equipment:
 - Fork Lift
 - Scissor Lift
 - Laser Level
 - Sight Level

NON TECHNICAL SKILLS AND ABILITIES

- Must be able to work closely with co-workers as a team.
- Must be able to work with minimal supervision.
- Must be able to accept direction.

PHYSICAL SKILLS AND ABILITIES – ESSENTIAL JOB FUNCTIONS

Essential job functions performed by employees of Apex Plumbing & Mechanical Piping, LLC in the **Journeyman Plumber** classification include, but are not limited to the duties outlined below. In addition to being willing and able to perform these functions in an effective manner, the applicant must be able to physically perform the following when hired:

- Use a shovel for digging ditches and back filling.
- Use a pick for digging and back filling.
- Use a sledgehammer for driving in stakes.
- Use a hammer for putting up backing.
- Power saws and hand saws for cutting lumber and pipe.
- Miscellaneous hand tools typically used in plumbing.

A Journeyman Plumber must know how to do/use the following:

Electric pipe threader, electric hand pipe threader, pipe cutters, tubing cutters, pipe wrenches, basin wrenches, crescent wrenches, wheelbarrow, mix bagged concrete and pour concrete, set trench drains and pack with concrete, install Fernco and Calder couplings, cut and assemble ABS pipe and fittings, cut and assemble cast iron pipe and fittings, cut and assemble copper pipe and fittings, cut and assemble galvanized iron pipe and fittings and cut and assemble black iron pipe and fittings.

A Journeyman Plumber must have the following abilities:

Read and understand blueprints and mechanical plans in order to effectively execute the installation of the plumbing apparatus for a complete job; be able to select the proper materials for the job layout and job itself; need to know how to use a string line to lay out ground work; be able to solder with different types of solder; be able to silfoss with different kinds of silver; glue PVC pipe and ABS pipe together; be able to assemble cast iron no-hub pipe; be able to screw together malleable iron fittings; be able to lay out and fit piping for welding; directly communicate and work with the general job foreman, be able to work job scheduling with him, communicate to him the length of time a project will take, and coordinate and work with him with schedules; be able to know how to put piping tests on systems; set up inspections with the city or county. Run a jackhammer with a point or chisel; run a rotohammer; run a wholehog and half horse drill using the proper bits for concrete, wood or steel; be able to use steel stud hole punches; be familiar with vibration and hammer causing water pressure so as not to cause undue noise in pipes and in buildings and walls; be able to install all types of plumbing fixtures and trim; be able to install roof drains, floor drains, carriers, p-traps and trap primers, clean outs, interceptors, hydrants and shock absorbers; need to understand the physics of plumbing and how it concerns you and the completed project; need to understand the dangers involved with working with natural gas and propane piping, oxygen, liquid petroleum products or oils, and the unique risks in those types of products; be able to identify hazardous conditions which need to be pointed out to your supervisor; be able to create and order a material list; be able to keep vans stocked with plumbing supplies, maintain all equipment carried on plumbing vans such as power tools;

be able to install and run vacuum lines, oxygen lines, and gas lines of all sorts; need to understand the use of pressure reducing valves, check valves, backflow preventers, steam traps, bucket traps, all types of steam products, air separators, circuit setters, triple duty valves, and water diffuser valves; need to understand flex connectors and isolators; understand the use of dielectric unions and grounded unions; need to understand how pressure tanks work, how to adjust for thermal expansion; be able to install hot water tanks; PNT valves; be able to install floor sinks, mop sinks, hand sinks, toilets (both wall

and floor mounted urinals), and tubs; able to hook up equipment that needs plumbing to it such as kitchen and/or cooking equipment.

In order to perform the above job functions, an applicant must be able to:

- Lift construction equipment and materials weighing up to 100 pounds.
- Lift, kneel, bend, stoop, squat, climb and crawl.
- Stand for up to eight hours a day or crawl for eight hours a day depending on the task required.
- Occasionally work at heights.
- Sustain repetitive hand or other joint motion.
- Negotiate around job sites made up of various terrains.

UNUSUAL WORKING CIRCUMSTANCES

- Must be willing to tolerate exposure to temperature extremes while working outdoors, year-round , or in hot boiler rooms, on job sites.
- Must be able to travel out of town.
- Must be willing to be exposed to potentially hazardous materials. **Material Safety Data Sheets (MSDS)** are required reading prior to employment.
- Must be willing to be exposed to contaminated waste products such as blood, mucous, sewage, etc.
- Must be familiar with, and abide by, the Tri-Ply guideline for contaminated material handling.
- Must attend a “blood borne pathogen” seminar.
- Must receive or be current with the hepatitis series B shots.

LICENSURE – CERTIFICATION

- Must have a valid Washington state drivers license.
- Must have current automobile insurance

ATTENDANCE REQUIREMENTS

- Must be able to work at least an eight hour shift per day, Monday through Friday; with a thirty minute break for lunch and a fifteen minute break each half shift.
- Must be able to work infrequent overtime.

Management reserves the right to change the duties and qualifications given on this job description at any time.

Signature: _____ Date: _____
Superintendent

Signature: _____ Date: _____
Employee

