



<https://unimanphil.com/job/fitters-pipe-conduit-mechanical/>

Fitters (pipe conduit, mechanical)

Description

Lays out, assembles, installs, and maintains pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems, applying knowledge of system operation, and following blueprints: Selects type and size of pipe, and related materials and equipment, such as supports, hangers, and hydraulic cylinders, according to specifications.

Responsibilities

- 1) Cut, thread, and hammer pipe to specifications, using tools such as saws, cutting torches, and pipe threaders and benders.
- 2) Assemble and secure pipes, tubes, fittings, and related equipment, according to specifications, by welding, brazing, cementing, soldering, and threading joints.
- 3) Attach pipes to walls, structures and fixtures, such as radiators or tanks, using brackets, clamps, tools or welding equipment.
- 4) Inspect, examine, and test installed systems and pipe lines, using pressure gauge, hydrostatic testing, observation, or other methods.
- 5) Measure and mark pipes for cutting and threading.
- 6) Lay out full scale drawings of pipe systems, supports, and related equipment, following blueprints.
- 7) Plan pipe system layout, installation, or repair according to specifications.
- 8) Select pipe sizes and types and related materials, such as supports, hangers, and hydraulic cylinders, according to specifications.
- 9) Cut and bore holes in structures, such as bulkheads, decks, walls, and mains, prior to pipe installation, using hand and power tools.
- 10) Modify, clean, and maintain pipe systems, units, fittings, and related machines and equipment, following specifications and using hand and power tools.
- 11) Install automatic controls used to regulate pipe systems.
- 12) Turn valves to shut off steam, water, or other gases or liquids from pipe sections, using valve keys or wrenches.
- 13) Remove and replace worn components.
- 14) Prepare cost estimates for clients.
- 15) Inspect work sites for obstructions and to ensure that holes will not cause structural weakness.
- 16) Operate motorized pumps to remove water from flooded manholes, basements, or facility floors.
- 17) Dip nonferrous piping materials in a mixture of molten tin and lead to obtain a

Hiring organization

UNI Manpower Resources and General Services Inc.

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coating that prevents erosion or galvanic and electrolytic action.

Qualifications

Oversee and supervise project progress and provide reports on timeline, progress, and adjustments to job site manager

Order, invoice, and manage materials and equipment

Ensure all legal requirements, building and safety codes, safety inspections, city guidelines, and local and state regulations are met

Configure pipe systems blueprint and plan piping systems layouts

Ensure all steam, water, chemicals, or other liquids are turned off before working on piping system

Precisely cut, bend, and weld metals such as carbon and stainless steel

Clean and clear debris and hazardous materials from pipes as needed

Install piping or tubing segments securely with welding or other equipment

Thread, weld, solder piping together

Consult with job site management for hole placements in walls and bulkheads

Ensure pipe sizes, hangers, supports, and joint needs for accurate flow

Cut and alter piping to ensure correct sizes

Perform trial runs and tests on pipe systems

Repair and reinforce broken, cracked, or inadequate systems or pipes