

		ISSUED: <u>7/92</u>
		& 3/88
	SALARY	CLASS
TITLE: <u>Plumber</u>	SCHEDULE:	CODE: <u>SK606</u>
	SALARY	EEO
UNION: <u>Detroit Building Trades & Construction</u>	GRADE: _____	CODE: <u>60</u>
<u>Trades Council</u>		E-
	FLSA: <u>Non-Exempt</u>	CLASS: <u>SK</u>

POSITION PURPOSE

Construct and maintain pipes and equipment used to provide water, drainage and sewage services to University facilities utilizing a variety of techniques and equipment common to this trade.

ESSENTIAL JOB FUNCTIONS

- Repair or replace damaged, leaking or broken water, gas, sewage or drain pipes, plumbing fixtures and valves. Determine and obtain all supplies and equipment needed to make repairs; erect and use ladders, scaffolds and chainfalls; work above ceilings, on roof tops, in crawl spaces, pipe chases or manholes, behind walls, at any heights from below ground level to several stories high and at any angle with heavy pipes and tools; ensure water supply is shut off in work area as appropriate; remove piping and fixtures and size new to fit securely and without leakage; cut threads and pipe on location or in shop as conditions permit. Repair and replace pumps, plumbing fixtures, valves, couplings and related equipment as necessary.
- Install pipe lines, valves and fixtures to carry water, sewage and/or gases. Determine water source to be tapped into; plan piping, connections and location of drains and/or fixtures based on need, specifications and space availability; weld, braze and/or solder piping; maneuver pipes, equipment and tools to access work area; run pipes above ceiling, below floors, behind walls, in pipe chases, etc. to connect fixtures to gas or water supply or drainage and sewage systems. Install and replace soil pipe as necessary. Install lavatories, plumbing fixtures, water closets, urinals and valves as necessary.
- Work according to blueprints, sketches and/or personal instructions. Determine where pipes and water supply are located; check water or gas pressure and flow; adjust valves and regulators as necessary to control flow; utilize appropriate methods, procedures and equipment for worksite and substance to flow through pipes; work with and on cast iron, plastic, copper, glass, black steel and galvanized pipes and fixtures as dictated by current piping and/or system requirements; locate mislabeled or unidentified pipes.
- Maintain all physical plant water, sewer and drain systems. Perform on-site inspection and needs assessment; check and test installations and repairs; access pipes and equipment via ladders, locked doorways or passages, man holes, exterior fire escapes using appropriate safety equipment and procedures, etc.; transport and use tools such as wrenches, sledge hammers, saws, thread cutters, welding equipments and tanks, etc. Unplug blocked drain lines and plumbing fixtures.

THIS DESCRIPTION IS INTENDED TO INDICATE THE KINDS OF TASKS AND LEVELS OF WORK DIFFICULTY THAT WILL BE REQUIRED OF POSITIONS THAT WILL BE GIVEN THIS TITLE AND SHALL NOT BE CONSTRUED AS DECLARING WHAT THE SPECIFIC DUTIES AND RESPONSIBILITIES OF ANY PARTICULAR POSITION SHALL BE. IT IS NOT INTENDED TO LIMIT OR IN ANY WAY MODIFY THE RIGHT OF ANY SUPERVISOR TO ASSIGN, DIRECT AND CONTROL THE WORK OF EMPLOYEES UNDER THEIR SUPERVISION. THE USE OF A PARTICULAR EXPRESSION OR ILLUSTRATION DESCRIBING DUTIES SHALL NOT BE HELD TO EXCLUDE OTHER DUTIES NOT MENTIONED THAT ARE OF SIMILAR KIND OR LEVEL OF DIFFICULTY.

- Maintain safe working conditions at all times by using supplies and equipment properly and taking necessary precautions. Perform duties in areas which may contain toxic fumes or agents; complete tasks requiring work in different positions and at different angles; transport tools and equipment to worksites throughout campus including stairwells, ceilings, basements rooftops, pipe chases, crawl spaces, etc.
- Perform other duties as assigned.

MINIMUM QUALIFICATIONS

- Possession and maintenance of an authorized journeyman's license as a plumber.
- Ability to read and interpret blueprints.
- Ability to transport, use and maintain heavy tools and the full range of plumbing supplies and equipment, including different kinds of piping, wrenches, sledge hammers, soldering irons, welding torches, thread cutters, chainfalls, ladders, scaffold, etc.
- Ability to access pipes, pumps and plumbing equipment located at varying heights from below ground level to several stories high and in confined areas.
- Ability to work in a variety of positions and at any angle.
- Possession and maintenance of a valid Michigan vehicle operator's license and satisfactory driving record as determined by University policy.
- Ability to work in hazardous working conditions utilizing appropriate safety precautions.
- Some experience as a maintenance plumber.
- Must obtain security clearance.