



CITY OF OMAHA CLASS SPECIFICATION

CLASSIFICATION TITLE: MECHANICAL INSPECTOR

BARGAINING UNIT: [CIV BARGAINING](#) **CODE NUMBER:** 6000

PAY RANGE CODE: [05150](#) **REVISION DATE:** 1/31/19

NATURE OF WORK:

This is inspection work in enforcement of municipal codes and ordinances pertaining to hydronic heating and cooling systems, boilers, air ventilation, conditioning, heating and cooling systems, and pressurized vessels. Work also involves the inspection of water piping, radiators, gas storage tanks, fire lines, sprinkler systems, air compression systems, and fuel and exhaust systems of standby power generators. Employees in this class work alone and are responsible to make independent decisions, subject to periodic review by supervisors.

ESSENTIAL FUNCTIONS: *(Any one position may not perform all the duties listed, nor do the listed examples include all the duties that may be performed in positions allocated to this class.)*

Inspects new, replacement, and retrofit installations and makes annual inspections at existing installations of heating, and cooling ventilation, and conditioning systems, associated pipes, radiators, valves, refrigeration, furnaces, air handling unit, fans, ductwork, coils, boilers, pressure vessels, fire lines, sprinkler systems, flammable liquid storage tanks, pressurized gas storage facilities, air compression systems, and standby power system fuel and exhaust systems for compliance with codes and ordinances.

Checks to see that persons operating inspected equipment are properly licensed as required and assists in administering tests to engineers and operators to ensure their qualification to run the equipment. Checks to see that persons installing a mechanical system are properly licensed as required.

Writes reports on work performed and maintains records of structures inspected.

Patrols the City for potential code violations.

Reviews building plans to insure code compliance and makes suggestions for changes as needed.

Maintains regular job attendance in accordance with a schedule established for the position by the supervisor.

Performs other related duties as assigned or as the situation dictates within the scope of this classification.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of steam and pipe fitting installation and repair materials and procedures.

Knowledge of the construction and maintenance of boilers and other pressure vessels.

Knowledge of the codes and ordinances regulating the installation and operation of boilers and pressure vessels, installation and repair of hydronic heating and cooling systems, and the installation and placement of flammable liquid storage tanks, compressed gas storage, fuels, and exhaust systems.

Knowledge of safety standards pertaining to the installation of boilers and pressure vessels, hydronic heating and cooling systems, flammable liquid storage tanks, and compressed gas storage tanks.

Knowledge of warm air heating, ventilation, and air conditioning installation materials and practices.

Knowledge of city codes governing heating, ventilation, and air conditioning installation and repair.

Knowledge of and ability to operate a computer or other technology using standard or customized computer or systems software applications appropriate to the assigned tasks.

Ability to learn and adapt to advances in computer and electronics device technology and software.

Ability to read and interpret plans, specifications, and blueprints quickly and accurately and to compare them with work in progress.

Ability to detect code violations and to appraise the quality of materials and construction.

Ability to understand written or oral instructions.

Ability to adhere to safety policies, procedures, and guidelines.

Ability to establish and maintain effective working relationships with fellow employees and members of the general public.

Ability to sit, stand, or walk from 51 to 75% of the time and to climb, reach, balance, bend, stoop, squat, kneel, crouch, crawl, push, pull, and lift up to 25% of the time.

Ability to use up to twenty (20) pounds of force to move objects up to 33% of the time, up to ten (10) pounds of force to move objects from 34 to 66% of the time, and lesser amounts of force to move objects from 67 to 100% of the time.

EDUCATION AND EXPERIENCE: *(The knowledge, skills, and abilities above may be acquired through, but are not limited to, the following combination of education and/or experience.)*

High school graduation or its equivalent

AND

Seven (7) years of experience as a journeyman level steam/pipe fitter in the installation and layout of boilers, pressure vessels, hydronic, refrigeration, and process piping systems

OR

Seven (7) years of experience as a journeyman level installer in the installation and layout of air distribution, ventilation, and conditioning systems

OR

Seven years of experience as a first grade stationary engineer in the operation of boilers and pressure vessels.

SPECIAL REQUIREMENTS:

Must possess, and have held for a minimum of five years a valid City of Omaha issued first grade stationary engineer's license or a journeyman level steam/pipefitter's license or a journeyman ACAD/Sheet Metal license and have received a passing score of 75% on the "Prometric" Journeyman Unlimited Air Conditioning exam at the time of application.

Must be able to transport oneself or coordinate transportation to work sites throughout the City during the course of the work day.

WORKING CONDITIONS: *(The conditions herein are representative of those that must be met by the employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.)*

Work is performed primarily at buildings and work sites involving exposure to all weather conditions. Employees in this class are also exposed to noise, near mechanical equipment, in high places or in confined spaces, in conditions such as fumes, odors, dust, mists, gases, and exposure to chemicals.

EQUIPMENT OPERATION: *(Any one position may not use all of the tools and equipment listed nor do the listed examples comprise all of the tools and equipment that may be used in positions allocated to this classification.)*

Telephone	Mobile Devices	Laptop Computer
Computer	Fire Line Test Gauge	Calculator
Multi-Function Office Machine (copier, fax, scanner)		
City Issued Hand Tools		

Previous Revision Date(s): 1/28/93 8/28/08