

Keweenaw County is seeking qualified applicants for an Electrical Inspector. Submit a letter of interest including qualifications, current licenses held, a brief history and complete contact information by February 8th, to Clerk, 5095 Fourth St, Mohawk Michigan, 49950.

For more information, job description, and posting, go to keweenawcountyonline.org . direct inquiries to 906.337.3471 or codes@keweenawcountymi.gov

County Board of Commissioners will appoint the inspector during the February Board meeting.

County of Keweenaw
Position Description

ELECTRICAL INSPECTOR & PLAN REVIEWER

Responsible to: Act 407 of 2016 Michigan Department of License and Regulation, and the Keweenaw County Board of Commissioners. Works in conjunction with the County Codes Department.

General Summary: Under the supervision of the Act, conducts on-site inspections at locations throughout the County to determine conformity to their respective Local, State and National codes and ordinances designed to protect the health, safety, and welfare of the public. Inspectors initiate compliance actions when violations are found and prepare inspection reports. They examine construction plans and blueprints to understand building methods, checking for compliance to codes and ordinances. Inspectors receive and inspect complaints and maintain records and maps. Additionally, to a trade inspector, they may serve as a plan reviewer.

Essential Duties and Responsibilities: An employee in this position may be called upon to perform any or all the following essential functions. These examples do not include all the duties which the employee may be expected to perform. An individual must be able to perform each essential function satisfactorily.

- Conducts on-site inspections of structures under construction and existing buildings to ensure conformity to State and National codes. Examines materials and methods used, and assures compliance to building environment, energy conservation and accessibility standards.
- May review or inspect plans, specifications and blueprints of new buildings under construction or the remodeling of existing buildings for compliance to codes and ordinances. Approves permit applications for respective trade or remodeling when requirements are met.
- Seeks voluntary compliance where standards are not met, recommending corrections, issuing violation notices when necessary and performing re-inspections to determine if actions were taken to bring the structure into compliance with standards.
- Performs periodic inspections and investigates complaints involving violations of minimum acceptable construction, health, safety, and welfare standards. Prepares inspection reports and records and performs re-inspections, as necessary.
- Provides information and advice to owners, contractors, developers, engineers, and architects regarding State Code/law requirements and procedures and may offer assistance in making application for permits.
- Maintains records of permits issued and denied, inspections, complaints, and their investigations, and prepares reports and correspondence.
- May be required to prepare summonses and testify at appeals in code and ordinance violations and complaint cases.
- Remains informed of developments and changes in laws, industry products and techniques.

- Receives and reviews site plans for compliance to appropriate codes.
- Performs related work as assigned or directed.

Employment Qualifications:

Education: Possession of a high school diploma or its equivalent.

Experience: A minimum of four (4) years in the building trades, electrical journeyman, or the equivalent.

Necessary Requirements:

- Possession of a valid Michigan Vehicle Operator's License
- Possession of a required license from the State of Michigan
- Registration as an Inspector from the Michigan Department of Labor (PA 407-2016)

The qualifications listed above are guidelines. Other combinations of education and experience which could provide the necessary knowledge, skills and abilities to perform the job should be considered.

SKILLED TRADES REGULATION ACT

Act 407 of 2016

AN ACT to revise, consolidate, and classify the laws of this state regarding the regulation of certain occupations in the skilled trades and to regulate persons and activities relative to those occupations; to create a board for each of those occupations; to establish the powers and duties of certain state and local governmental officers and entities, including the boards created under this act; to provide for the promulgation of rules; to provide for fees; to provide for penalties and civil fines; and to repeal acts and parts of acts.

ARTICLE 10

BUILDING OFFICIALS AND INSPECTORS

339.6021 Registration required; provisional registration; notice that applicant unqualified; appeal; employment by enforcing agency not required for registration.

Sec. 1021. (2) Subject to subsection (2), an individual shall not be appointed or employed as a building official, inspector, or plan reviewer by an enforcing agency, unless the individual is registered under this article and the rules promulgated under this article. (2) An individual who becomes employed by a governmental subdivision as a building official, plan reviewer, or inspector, if not already registered, shall within 30 days of employment apply to the commission for provisional registration. On payment of the fee established by the department under article 4, the commission shall provisionally register the individual. (3) If the commission determines that an applicant for registration does not qualify for registration, the commission shall notify the applicant of that fact in writing. The applicant may appeal an adverse decision under the administrative procedures act of 1969. (4) Notwithstanding any other provision of this article, employment by an enforcing agency is not a requirement for registration or provisional registration as a building official, plan reviewer, or inspector under this article.

339.6022 Appointment of electrical inspector by governmental subdivision; qualification.

Sec. 1022. In addition to the requirements of section 1021, a governmental subdivision shall only appoint as an electrical inspector an individual who is licensed as an electrical journeyman or master electrician under article 7.

ARTICLE 7

ELECTRICIANS AND ELECTRICAL CONTRACTORS

339.5713 Master electrician's license; requirements; failure to pass examination; using license to meet eligibility requirement for more than 1 electrical contractor's license prohibited; condition of renewal.

Sec. 713. (1) The department shall issue a master electrician's license to an individual who is at least 22 years old, meets the requirements described in article 2, and meets all of the following: (a) Has at least 12,000 hours of experience that was obtained over a period of 6 years or more, is related to electrical construction, the maintenance of buildings, or electrical wiring or equipment, and was performed under the supervision of a master electrician. (b) Has held an electrical journeyman's license for at least 2 years. (2) If he or she fails to pass the master electrician examination 2 times within a period of 2 years, an applicant is ineligible to sit for another examination for at least 1 year from the date of failure of the second examination. After that 1-year period, he or she is again eligible to sit for a master electrician examination if he or she presents to the board proof of the successful completion of a course on Michigan electrical code, electrical fundamentals, or electrical theory approved by the board. (3) A holder of a master electrician's license cannot be used to meet the eligibility requirement described in section 711(a) or (b) for more than 1 electrical contractor's license. (4) As a condition of renewal of a master electrician's license, the master electrician must demonstrate the successful completion of a course, approved by the board, concerning any update or change in the state construction code within 12 months after the update or change in that code. This requirement applies only during or after those years that the state construction code is updated or changed. History: 2016, Act 407, Eff. Apr. 4, 2017;—Am. 2018, Act 151, Eff. Aug. 14, 2018. 339.5715 Electrical journeyman's license; requirements; affidavit stating amount of experience; failure to pass examination; condition of renewal. **Sec. 715.** (1) The department shall issue an electrical journeyman's license to any individual who is at least 20 years old, meets the requirements described in article 2, and meets either of the following: (a) Has at least 8,000 hours of experience obtained over a period of at least 4 years related to electrical construction or maintenance of buildings or electrical wiring or equipment under the direct supervision of an individual who is licensed under this article. (b) While on active duty in the armed forces, served as an interior electrician or in an equivalent job classification; was honorably discharged from that military service in the 1-year period preceding the date the license application is filed; and has, and provides with his or her application, an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states that he or she has, at least 8,000 hours of entry-level experience in and basic knowledge of each of the following: (i) General knowledge of the electrical trade, including terminology and the ability to make practical calculations. (ii) The determination of system and circuit grounding and design and use requirements for grounding, including choosing proper size grounding conductors. (iii) Knowledge of circuit classifications and ratings and design and use requirements for circuits, including branch circuit loads. (iv) The determination of ampacity, type of insulation, usage requirements, methods of installation, protection, support, and termination. (v) Knowledge regarding the installation of motors and control circuits. (vi) The calculation of electrical loads and determination of proper size, rating, and type of service and feeder conductors. (vii) Knowledge regarding fuses, circuit breakers, and all types of protective devices for conductors and equipment. (viii) Knowledge of all types of raceways and their uses, including determining proper size,

conductor fill, support, and methods of installation. (ix) Knowledge of circuits and equipment characterized by usage and electrical power limitations, Rendered Tuesday, August 13, 2019 Page 21 Michigan Compiled Laws Complete Through PA 47 of 2019 Legislative Council, State of Michigan Courtesy of www.legislature.mi.gov including differentiating them from electric light and power circuits. (x) Knowledge of all types and applications of lighting fixtures, ratings, requirements for occupancies, special provisions, and clearances. (2) If an applicant who otherwise meets the requirements of subsection (1)(b) has not attained 8,000 hours of entry-level experience or does not have basic knowledge in each of the areas described in subsection (1)(b)(i) to (x), he or she may provide with his or her application an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states the amount of experience the applicant has attained and of which of the areas described in subsection (1)(b)(i) to (x) the applicant has basic knowledge, and the department may in its discretion grant the applicant credit toward the 8,000-hour experience requirement of subsection (1)(a) based on the applicant's experience. (3) If an applicant fails to pass the electrical journeyman examination 2 times within a period of 2 years, the applicant is ineligible to sit for another examination until a period of at least 1 year after the date of failure of the second examination. After that 1-year period, he or she is again eligible to sit for an electrical journeyman's license if he or she presents to the board proof of the successful completion of a course on Michigan electrical code, electrical fundamentals, or electrical theory approved by the board. (4) As a condition of renewal of an electrical journeyman's license, the electrical journeyman must demonstrate the successful completion of a course, approved by the board, concerning any update or change in the state construction code within 12 months after the update or change in that code. This requirement applies only during or after those years that the state construction code is updated or changed.

339.5715 Electrical journeyman's license; requirements; affidavit stating amount of experience; failure to pass examination; condition of renewal.

Sec. 715. (1) The department shall issue an electrical journeyman's license to any individual who is at least 20 years old, meets the requirements described in article 2, and meets either of the following: (a) Has at least 8,000 hours of experience obtained over a period of at least 4 years related to electrical construction or maintenance of buildings or electrical wiring or equipment under the direct supervision of an individual who is licensed under this article. (b) While on active duty in the armed forces, served as an interior electrician or in an equivalent job classification; was honorably discharged from that military service in the 1-year period preceding the date the license application is filed; and has, and provides with his or her application, an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states that he or she has, at least 8,000 hours of entry-level experience in and basic knowledge of each of the following: (i) General knowledge of the electrical trade, including terminology and the ability to make practical calculations. (ii) The determination of system and circuit grounding and design and use requirements for grounding, including choosing proper size grounding conductors. (iii) Knowledge of circuit classifications and ratings and design and use requirements for circuits, including branch circuit loads. (iv) The determination of ampacity, type of insulation, usage requirements, methods of installation, protection, support, and termination. (v) Knowledge regarding the installation of motors and control circuits. (vi) The calculation of electrical loads and determination of proper size, rating, and type of service and feeder conductors. (vii) Knowledge regarding fuses, circuit breakers, and all types of protective devices for conductors and

equipment. (viii) Knowledge of all types of raceways and their uses, including determining proper size, conductor fill, support, and methods of installation. (ix) Knowledge of circuits and equipment characterized by usage and electrical power limitations, Rendered Tuesday, August 13, 2019 Page 21 Michigan Compiled Laws Complete Through PA 47 of 2019 Legislative Council, State of Michigan Courtesy of www.legislature.mi.gov including differentiating them from electric light and power circuits. (x) Knowledge of all types and applications of lighting fixtures, ratings, requirements for occupancies, special provisions, and clearances. (2) If an applicant who otherwise meets the requirements of subsection (1)(b) has not attained 8,000 hours of entry-level experience or does not have basic knowledge in each of the areas described in subsection (1)(b)(i) to (x), he or she may provide with his or her application an affidavit signed by a commanding officer, supervisor, or military superior with direct knowledge of the applicant's service that states the amount of experience the applicant has attained and of which of the areas described in subsection (1)(b)(i) to (x) the applicant has basic knowledge, and the department may in its discretion grant the applicant credit toward the 8,000-hour experience requirement of subsection (1)(a) based on the applicant's experience. (3) If an applicant fails to pass the electrical journeyman examination 2 times within a period of 2 years, the applicant is ineligible to sit for another examination until a period of at least 1 year after the date of failure of the second examination. After that 1-year period, he or she is again eligible to sit for an electrical journeyman's license if he or she presents to the board proof of the successful completion of a course on Michigan electrical code, electrical fundamentals, or electrical theory approved by the board. (4) As a condition of renewal of an electrical journeyman's license, the electrical journeyman must demonstrate the successful completion of a course, approved by the board, concerning any update or change in the state construction code within 12 months after the update or change in that code. This requirement applies only during or after those years that the state construction code is updated or changed.

339.6011 Renewal of registration.

Sec. 1011. A registered building official, plan reviewer, or inspector shall renew his or her registration by September 17 of every third year. Reregistration or renewal of an initial registration or provisional registration shall be based on a determination by the appropriate advisory board of all of the following: (a) The applicant's familiarity with any changes to the codes that the applicant seeks to be registered to enforce. (b) The applicant's familiarity with other pertinent laws. (c) Evidence satisfactory to the appropriate board that the applicant has attended local in-service training and education programs on an ongoing basis.

339.6015 Revocation or suspension of registration; enforcing agency as party in interest.

Sec. 1015. After written notice and an opportunity for a hearing, the commission may revoke or suspend the registration of any building official, plan reviewer, inspector, fire protection system inspector, or fire protection system plan reviewer if there is sufficient evidence showing that the registered individual has violated this article or rules promulgated under this article in the performance of his or her duties. In any proceeding under this section, an enforcing agency that employs the individual may appear as a party in interest. The commission shall conduct a hearing held under this section in the manner provided in the administrative procedures act of 1969.

339.6017 Conflict of interest; inspection of own work in government subdivision prohibited; additional requirements and restrictions; construction of article.

Sec. 1017. (1) Performing instructional duties for educational purposes and providing contractual inspection and consulting services in construction code enforcement are not considered a conflict of interest. (2) An inspector is not permitted to inspect his or her own work in a governmental subdivision. (3) A governmental subdivision may establish additional requirements and restrictions in the selection and hiring of construction code enforcement officials, inspectors, and plan reviewers. (4) This article shall not be construed to limit or restrict the type of internal administrative organization an enforcing agency may choose, or to limit or otherwise affect the authority of the enforcing agency to dismiss or suspend a building official, inspector, or plan reviewer at its discretion.