

CARROLL COUNTY ELECTRICAL BOARD BY-LAWS

NAME: Carroll County Electrical Board

MEMBERSHIP: Voting Members - 3 Electricians, 1 Builder, 1 Citizen

Exofficio Members: Carroll County Electrical Inspector, Code Official, Assistant County Attorney, Director of Permits and Regulations, County Commissioner and Secretary.

QUORUM: 3 Board Members are required to be present for any action to be taken.

MEETINGS: Meetings will be held on the 3rd Wednesday in February and August at 8:00 A.M., and the 4th Wednesday in April and October at 8:45 A.M.

- A. Special meetings may be called by Chairman, Vice Chairman or Code Official as needed.
- B. Notice of special meetings will be made by the Secretary to the Board, upon instructions from Chairman, by phone or in writing.

OFFICERS: Chairman, Vice Chairman and Secretary

TENURE OF OFFICE: Election of officers - The Office of Chairman, Vice Chairman, and Secretary will be held for one year from August 1 to July 31. Election of Officers will occur in March. The Board will vote on these positions each year, to give all Board members a fair chance to serve as officers.

VOTING: May be by voice vote or by secret ballot. 2/3 majority will carry a motion.

CHANGES IN BY-LAWS: Changes in By-laws may be made during regular meetings or during special meetings as needed.

LICENSE FOR MASTER ELECTRICIANS: Will be issued based on one of the following requirements:

- A. Passing an Electrical Examination with a score of 70% or higher. The Exam is given twice a year in April and October by the Carroll County Electrical Board. A license signature card must be completed and the current licensing fee paid:

NOTE: (Special testing may be arranged at applicant's request.
2 Board Members must be present at the exam. Total cost of administering special exam will be assessed to applicant.

- B. Presentation of an Active Statewide Electrical License, completion of signature card, and current licensing fee; or**
- C. Reciprocity letter from another licensing jurisdiction in the State of Maryland, with a completed license signature card and current licensing fee. Reciprocity will be granted on initial license only.**

INSURANCE REQUIREMENTS: Electrical License signature card has a statement stating Insurance Compliance.

**Paul Noyes, Chairman
Carroll County Electrical Board**

**Lionel Stickles, Acting Electrical Board Admin.
Carroll County Electrical Board**

§ 170.18 ELECTRICAL CODE AMENDMENTS. (2015)

The National Electrical Code 2014 is amended as follows:

(1) Amend National Electrical Code 2014, to add new Chapter 95 to read:

95-1 LICENSING REQUIREMENTS

No person may install, repair, maintain or erect any kind of electrical wiring, conduits, or wiring to or repair of electrical elements or circuits of machinery and fixed or stationery appliances, motors, fixtures, signs, electrically operated heating equipment, elevators, or any other electrically operated apparatus or device in, on, or about any premises in the county without having obtained a license and permit as required by the county or the state, or having otherwise complied with these regulations except:

A. Utility company regulated by the Public Service Commission of Maryland when working on its own property or on the line side of a meter or the outside of buildings when using donut type meters.

B. Radio and television transmitting stations licensed and commissioned by the Federal Communications Commission regulations.

95-1.1 EMPLOYMENT OF LICENSED ELECTRICIANS

Unless otherwise permitted by this chapter, no person, firm or corporation engaged in the manufacture, assembly or repair of electrical equipment manufactured by such person, firm or corporation or manufactured for such person, firm or corporation by a parent or subsidiary shall be required to hold or to employ the holder of any of the licenses provided for by these requirements solely by reason of such manufacture, assembly or repair. However, all electrical installations for machinery and equipment within such factories shall be performed by either a holder of a master electrician or limited license or under their direct supervision.

95-2 CLASSES OF LICENSES

The following classes of licenses are hereby established:

A. Master electrician. A master electrician license shall authorize the licensee to perform or have performed under the licensee's direction and supervision all types of electrical work in accordance with the applicable code as adopted by the County Commissioners. Such license may only be issued to an individual and may not be issued to a firm or corporation. A four-year accredited apprenticeship program or degree from a college may be substituted for six months of the required seven years of field experience required to obtain a master electrician license.

B. Limited electrician. Limited electrician license shall authorize the licensee employed by a firm or corporation to perform or have performed under the licensee's direction or an alternate representative's supervision any electrical work solely on the premises occupied by the employer of such licensee. Such license may only be issued to an individual and may not be issued to a firm or corporation. In the event the licensee leaves the employ of the employer, the license shall become void. Firms or corporations operating under limited licenses are required to have an annual inspection of all work performed by their licensee. A record of such work should be maintained by the licensee.

C. Restricted electrician. A restricted electrician license shall authorize the licensee to install, maintain and repair the particular type or types of electrical equipment specified in the license, including:

- a. Electrically operated air-conditioning and refrigeration and heating equipment.
- b. Electrically operated elevators and dumbwaiters.
- c. Electrical display signs.
- d. Oil burners.

Restricted electrician license shall authorize the licensee to maintain, repair and install electrical household fixed and stationary appliances, and permit the licensee to install electrical wiring from the existing distribution panels to the equipment being installed. This license does not permit installation of service or change of distribution of service. A restricted electrician license may only be issued to an individual and may not be issued to any firm or corporation.

95-3 EXAMINATIONS

A. General. To be eligible for an electrical license any applicant for a master electrician, limited electrician or restricted electrician shall be required to satisfactorily pass an examination, except as hereinafter provided. Such examination shall be standard for each category and qualification for passage shall be determined by three qualified persons designated by the county.

Examination and grading procedures shall be established, publicized and made available to interested parties prior to each examination date. Examination results shall be made available at the earliest possible date following the date of the examination but not later than 45 days thereafter. Notice of the decision to grant or refuse a license shall be sent by certified mail to the person for whom the application was filed.

95-4 REQUISITE QUALIFICATIONS FOR TAKING LICENSING EXAMINATIONS

In order to assure that those persons desiring to take the examinations for electrical licenses are qualified through experience in the electrical business, the following eligibility requirements are established:

A. Master electrician. To qualify for the examination for master electrician license, the applicant must satisfactorily establish that he or she has been actively in charge of electrical installation work under the supervision of a master electrician for a period of at least seven years prior to the application for license. Further, the principal source of the applicant's livelihood must have been from the above employment. A four-year apprenticeship school or degree from a college may be substituted for six months of the required seven years of field experience required to obtain a master electrician license.

B. Limited electrician. To qualify for the examination for limited electrician license, the applicant must be an employee of a firm or corporation for whom the work is to be done and must have worked under the direction or supervision of a qualified master electrician, or limited electrician for at least two years.

C. Restricted electrician. To qualify for the examination for the restricted electrician, the applicant shall satisfactorily establish that he or she has been actively in charge of electrical installation work under the supervision of a master electrician or restricted electrician for the period of at least two years with respect to the particular branch or branches to be covered by the license. Further, the applicant must have received his or her principal source of livelihood from such type or types of work.

D. Homeowner license. A homeowner shall provide an affidavit stating that he or she owns and resides in the structure if the property is not rented, and that the structure is not used in any way that would involve the general public.

95-5 INACTIVE LICENSE

The applicant shall comply with all requirements for the type of license for which he or she is applying as listed in Subsection A, B, or C in Section 95-4. The applicant shall not be required to secure general liability insurance during that time the license is inactive.

95-6 REGULATIONS FOR THE ISSUANCE OF LICENSES

A. Application. Each applicant must submit an application on a form supplied by the Code Official. In the event the person is self-employed or employed in an unlicensed jurisdiction, the applicant must show proof of earning a livelihood as an electrician for the requisite number of years of the respective license. Proof may consist of inspection certificates, letters from inspectors, documents and receipts from electrical supply houses, etc. The application shall be accompanied by one or more letters from employers certifying to the character and qualifications of the applicant and the fitness of the applicant for the type of work for which the license is applied. The application for a limited licensee shall be signed by the applicant and by an executive officer of the employer and shall set forth the name and qualifications of the employee or employees whose employment and qualifications entitles the applicant to receive the type of license applied for and under whose supervision all electrical work to be done by the applicant will be performed. The applicant shall be required to certify that he or she will maintain general liability or property damage insurance as required by § 6-604(b) of the Business Occupations and Professions Article of the Annotated Code of Maryland as amended

B. Examination dates. Examinations shall be given during the months of April and October of each year, and special examinations may be provided at such other dates of which due notice is given.

C. Registration fee. A registration fee in accordance with Chapter 1, Sec. 108.2, shall be submitted prior to examination date payable to the County Commissioners. Registration fee will be forfeited if two consecutive examination dates are missed.

D. Renewal. Continuing Education as required by the State Electrical Board regulation for a Statewide License.

95-7 APPEALS FROM REFUSAL OF LICENSE

Any person may appeal a decision of the Code Official in the refusal of a license; such appeal shall be filed in writing to the County Commissioners, within 30 days of the date of refusal stating the grounds thereof. The appeal will be considered by a Board of Arbitration consisting of one person selected by the person appealing, one person selected by the County Commissioners knowledgeable in the electrical business, and one person from a list of qualified arbitrators recommended by the Carroll County Electrical Board. The appeal will be studied and the arbitrators may make such additional investigation as deemed necessary, and thereafter a majority vote will determine whether to grant or refuse the request for an electrical license. The decision of the arbitrators shall be final. A fee of \$75.00 shall be filed with each appeal which shall be nonrefundable.

95-8 FEES

- A. Fees shall be determined in accordance with Chapter 1, § 108.2.
- B. Inactive licenses. Any of the licensees desiring to be placed on the inactive classification specified in Section 95-5 shall be required to pay 50% the current license fees in order to retain such classification.
- C. Licenses must be renewed every two years prior to July 1, and are effective until June 30 of the second year thereafter.

95-9 EXPIRATION, SUSPENSION, OR REVOCATION OF LICENSES

The Code Official may suspend or revoke any licensee's privileges for good cause after a public hearing, provided that at least 15 day notice is given to the licensee by first class mail. The Code Official shall refer the matter to the Electrical or Plumbing Board for the applicable Board to conduct the hearing and provide a recommendation for the proper resolution of the matter. The applicable Board may recommend a suspension or revocation of the license. Such suspension or revocation may be for the following causes:

- A. Permitting any unlicensed person, firm or corporation to perform electrical/plumbing work under the authority of a license.
- B. Performing or permitting the performance of defective or dangerous work.
- C. Performing any work for which an application for electrical/plumbing work has not been secured from the county.
- D. Violations of any of the provisions of this chapter.

In lieu of suspension or revocation the Code Official may fine the license holder up to \$100 for each separate violation of items A-D.

Any county electrical license which has been allowed to expire for a period of one year or more shall not be reissued until an examination has been successfully taken and approval given for the reissuance of the said license, unless the applicant holds an active statewide master electrical license.

95-10 ELECTRICAL WORK COVERED BY LICENSE

Any holder of a license issued by the county shall be subject to strict compliance with standards and regulations and any amendments or additions thereto of the Carroll County Construction Codes which pertain to electrical wiring and equipment. Where any conflict shall exist, the latest edition of the National Electrical Code shall prevail. The Carroll County Bureau of Permits and Inspections is the agency designated to determine such compliance with the standards prescribed within the County Code.

95-11 ELECTRICAL BOARD

The County Commissioners shall, in accordance with § 3-701 of the Code of Public Local Laws, appoint an Electrical Board, and shall in accordance with this chapter create such Board, consisting of three persons knowledgeable and experienced in the electrical business and two persons unrelated to any person in the electrical business. Such persons shall serve for a term of five years, except that initially the first member so selected shall serve for one year, the second two years, the third three years, the fourth four years, and the fifth five years.

The Board shall continue to serve at the pleasure of the County Commissioners and shall be designated the following duties and powers:

- A. To recommend changes in the chapter setting up licensing regulations.
- B. To prepare and administer electrical license examinations.
- C. To make recommendations for the changes in codes pertaining to electrical work in Carroll County.
- D. To provide up-to-date lists of persons from which arbitrators, when needed, can be so selected.
- E. To aid in the conducting of any hearings as determined necessary by the Board of County Commissioners on electrical regulations.
- F. To recommend enforcement procedures as may be desirable in the Bureau of Permits and Inspections from time to time as it pertains to the electrical inspection program.
- G. To advise the County Commissioners on other functions considered helpful in the control and conduct of electrical business in Carroll County from time to time.

(2) Amend the NFPA 70 National Electrical Code to add Article 210-5(C)(2) to read:

Identification for branch circuits

- a. Circuits of 250 volts or less shall be colors black, red, blue for ungrounded conductors and white for grounded conductor.

b. Circuits of more than 250 volts shall be colors brown, orange and yellow for ungrounded conductors and gray for grounded conductor.

(2.1) Amend NFPA 70 National Electrical Code Chapter 210.8(A)(5) exception to (5) to read:

“A receptacle supplying only a permanently installed fire alarm or burglar alarm system and a dedicated outlet for sump pumps and ejector pumps shall not be required to have ground fault circuit interrupter protection.”

(3) Amend NFPA 70 National Electrical Code Chapter 210.52(B)(3) to read:

“Receptacles installed in the kitchen to serve counter top surfaces shall be supplied by not less than two small appliance branch circuits, which shall alternate between outlets (either or both of which shall also be permitted to supply receptacle outlets to the kitchen and other rooms specified in (b)(1) above). Additional small appliance branch circuits shall be permitted to supply receptacle outlets in the kitchen and the rooms specified in (b)(1) above.”

(3.1) Amend Article 250.52(A)(3) Concrete Encased Electrode to read:

“An electrode encased by at least two inches (50.8 mm) of concrete, located within and near the bottom of a concrete foundation or footing that is in direct contact with the earth, consisting of at least 20 feet (6.1 m) of one or more bare or zinc galvanized or other electrically conductive coated steel reinforcing bars or rods of not less than 1/2 inch (12.7 mm) diameter or consisting of at least 20 feet (6.1 m) of bare copper conductor not smaller than No. 4, shall be mandatory in all new buildings in Carroll County. Reinforcing bars shall be permitted to be bonded together by the usual steel tie wires or other effective means.”

(4) Amend NFPA 70 National Electrical Code Section 250.62 by deleting any and all references to aluminum or copper clad aluminum.

(5) Amend NFPA 70 National Electrical Code Section 310.106(B) to read:

“Conductors in this article shall be of aluminum, copper clad aluminum, or copper unless otherwise specified. The use of aluminum conductors size AWG 12, 10, 8 and 6 will not be permitted in Carroll County.”

(6) Amend NFPA 70 National Electrical Code Article 404 by deleting Section 404.2(C)(2).

(7) Amend NFPA 70 National Electrical Code Section 410.36(B) by adding:
Tie wires shall be accepted for support of light fixtures.”

(8) Amend NFPA 70 National Electrical Code Chapter 680.26(B)(2)(b) Alternate Means to read:

“In unpaved areas where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor shall be utilized where the following requirements are met:”