

ORDINANCE NO. 1797

An ordinance to adopt an Electrical Code for Jefferson County, Alabama.

WHEREAS, on the 22nd day of March, 2011, at a regular meeting of the Jefferson County Commission the following resolution was adopted:

BE IT RESOLVED BY THE JEFFERSON COUNTY COMMISSION, AS FOLLOWS:

Section A. That the Jefferson County Commission proposes to consider the adoption of an electrical code by ordinance as authorized by Act No. 676 of the Regular Session of the Legislature of Alabama of 1967, approved September 8, 1967, (Alabama Acts, 1967, pp. 1501-1503), and Act No. 1055 of the Regular Session of the Legislature of Alabama of 1975, approved October 10, 1975, (Alabama Acts, 1975, pp. 2116-2118), and will hold a public hearing thereon at the regular meeting of the Jefferson County Commission to be held in the Jefferson County Commission Chambers in the County Courthouse in Birmingham, Alabama, on the 12th day of April, 2011, at 9:00 A.M. Said code shall be known as the "Electrical Code of Jefferson County, Alabama, 2011."

Section B. That three (3) copies of said proposed "Electrical Code of Jefferson County, Alabama, 2011" shall be filed in the office of the County Commission Minute Clerk of Jefferson County, Alabama, Room 270-2, Courthouse; the office of the Director of Inspection Services Department of Jefferson County, Alabama, Room B200, Courthouse; and the office of the Commissioner of Inspection Services, Suite 220, Courthouse; by the 28th day of March, 2011, for the use and examination by the public during the regular business hours of said offices from said date until 9:00 A.M. on the 12th day of April, 2011.

Section C. That the Director of the Inspection Services Department of Jefferson County, Alabama, be and he is hereby authorized, empowered and directed to cause fifteen (15) days notice to be given of the time, place and purpose of the public hearing provided for in Section A of this resolution by publication of such notice once a week for three (3) successive weeks in a newspaper of general circulation in Jefferson County, which said notice shall be in words and figures as follows:

NOTICE OF PROPOSAL BY THE JEFFERSON COUNTY COMMISSION TO ADOPT AN ELECTRICAL CODE FOR JEFFERSON COUNTY, ALABAMA, BY ORDINANCE AND OF A PUBLIC HEARING THEREON.

Notice is hereby given that the Jefferson County Commission proposes to consider the adoption of an electrical code for Jefferson County, Alabama, to be known as the "Electrical Code of Jefferson County, Alabama, 2011," by ordinance, in order to revise, update and amend the "Electrical Code of Jefferson County, Alabama, 2002," and that a public hearing thereon will be held at the regular meeting of the Jefferson County Commission, in the Courthouse in Birmingham, Alabama, at 9:00 A.M. on the 12th day of April, 2011, for the consideration of the same. Three (3) copies of said proposed the "Electrical Code of Jefferson County, Alabama, 2011" (consisting of the "2011 Edition of the National Electrical Code" that was adopted by the

National Fire Protection Association, Inc., at its annual meeting on June 7 – 10, 2010, in Las Vegas, Nevada, which code has been copyrighted, and the “Special Provisions,” which modify, revise or are in addition to provisions contained in the “2011 Edition of the National Electrical Code”) will be on file in the office of the County Commission Minute Clerk of Jefferson County, Alabama, Room 270-2, Courthouse; the office of the Director of Inspection Services Department of Jefferson County, Alabama, Room B200, Courthouse; and the office of the Commissioner of Inspection Services, Suite 220, Courthouse; by the 28th day of March, 2011, for the use and examination by the public during the regular business hours of said offices from said date until 9:00 a.m. on the 12th day of April, 2011;

and

WHEREAS, the Jefferson County Commission now finds that all of the provisions of said resolution have been complied with:

NOW, THEREFORE, BE IT ORDAINED BY THE JEFFERSON COUNTY COMMISSION AS FOLLOWS:

Section 1. That the “2011 Edition of the National Electrical Code” that was adopted by the National Fire Protection Association, Inc. at its annual meeting on June 7 – 10, 2010, in Las Vegas, Nevada, which code has been copyrighted, be incorporated by reference into this ordinance except as specifically altered by the “Special Provisions” promulgated by the Inspection Services Department of Jefferson County Alabama. The “2011 Edition of the National Electrical Code” and the “Special Provisions” are before this Commission and have been on file in the office of the Jefferson County Commission Minute Clerk, the office of the Director of the Inspection Services Department, and the office of the Commissioner of Inspection Services pursuant to resolution adopted by the Commission of Jefferson County, Alabama, on the 22nd day of March, 2011, and set forth in the preambles of this ordinance. The “2011 Edition of the National Electrical Code” and the “Special Provisions,” are hereby adopted as the “Electrical Code of Jefferson County, Alabama, 2011,” and shall be effective and operative as such on and after the 2nd day of May, 2011, and on and after said date shall be binding in all unincorporated areas of Jefferson County, Alabama, and also in those parts of said county lying within the corporate limits of municipalities which have not adopted and are not enforcing municipal electrical codes.

Section 2. That, under this section, the Jefferson County Commission Minute Clerk shall spread said the “Special Provisions” on the official minutes of the County Commission. (See the “Special Provisions” following Section 9 of this ordinance.)

Section 3. That Ordinance No. 1743, the “Electrical Code of Jefferson County, Alabama, 2002,” adopted by the Jefferson County Commission on October 29, 2002, be, and the same is hereby repealed as of the date upon which the “Electrical Code of Jefferson County, Alabama, 2011,” adopted by Section 1 of this ordinance, becomes effective as provided by said Section 1; provided, however, that no cause of action nor any fine, forfeiture, judgment, penalty, right, remedy or defense accrued at said date, nor any prosecution or complaint pending at said date shall be in any manner released, affected, abated, or impaired by this ordinance or by the code

adopted by this ordinance.

Section 4. That immediately after the adoption of this ordinance and in the presence of the Jefferson County Commission, the County Commission Minute Clerk shall further identify the "2011 Edition of the National Electrical Code" referred to in Section 1 hereof, which is before this Commission by appending thereto and signing a certificate in form substantially as follows:

"I, Diane Townes, County Commission Minute Clerk, hereby certify that the document (the "2011 Edition of the National Electrical Code") to which this certificate is appended is the document referred to in Section 1 of Ordinance No. 1797 adopted by the Jefferson County Commission at a regular meeting thereof held on this the 12th day of April, 2011, and that I have signed this certificate in the presence of said Commission at said regular meeting on said date."

Diane Townes,
County Commission Minute Clerk.

The County Commission Minute Clerk shall carefully preserve this ordinance and said documents adopted by Section 1 hereof as the "Electrical Code of Jefferson County, Alabama, 2011" as a part of the permanent records of her office.

Section 5. That it be, and hereby is proclaimed that the code adopted by Section 1 hereof is on file with the Jefferson County Commission Minute Clerk where the same may be inspected by the public and that the public is hereby notified of this ordinance by publication as set forth in Section 7 hereof.

Section 6. That prior to the 2nd day of May, 2011, the effective date of the code adopted by Section 1 of this ordinance, a copy of this ordinance and of the code adopted by Section 1 of this ordinance shall be placed on the Jefferson County Web Site and also made available to the general public at the office of the Inspection Services Department of Jefferson County, Alabama. A copy of this ordinance may be obtained in the Inspection Services Department for the cost of reproduction as established by Jefferson County Commission Administrative Order 03-1, As Amended.

Section 7. That the County Commission Minute Clerk shall cause a true copy of this ordinance to be promptly published in a newspaper published and of general circulation in Jefferson County, Alabama, and shall carefully preserve in her office a thus published copy of said ordinance as a part of the permanent records of her office.

Section 8. That any person who knowingly violates any of the provisions of the "Electrical Code of Jefferson County, Alabama, 2011" shall be subject to the penalty provided for by State Laws.

Section 9. That the provisions of this ordinance are severable. If any part of the ordinance is declared invalid or unconstitutional, such declaration shall not affect the part which remains.

SPECIAL PROVISIONS

Add Chapter A-1 Administration to the "2011 Edition of the National Electrical Code."

CHAPTER A-1 ADMINISTRATION

SECTION A-101 TITLE AND SCOPE

A-101.1 TITLE

Provisions in the following chapters and sections shall constitute and be known and may be cited as the "Electrical Code of Jefferson County, Alabama, 2011," hereinafter referred to as "this code".

A-101.2 CODE REMEDIAL

(a) General. This code is hereby declared to be remedial, and shall be construed to secure the beneficial interest and purposes thereof, which are public safety, health, and general welfare, by regulating installation and maintenance of all electrical systems and equipment.

(b) Permitting and Inspection. The inspection or permitting of any building or plan under the requirements of this code shall not be construed in any court as a warranty of the physical condition of such building or the adequacy of such plan. Neither Jefferson County nor any employee thereof shall be liable in tort for damages for any defect or hazardous or illegal condition or inadequacy in such building or plan, nor for any failure of any component of such building, which may occur subsequent to such inspection or permitting.

A-101.3 SCOPE

(a) Applicability. The provisions of this code shall apply in all unincorporated areas of Jefferson County and also in those parts of said county lying within the corporate limits of municipalities which have not adopted and are not enforcing municipal electrical codes to every electrical installation, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and/or appurtenances thereto.

(b) Federal and State Authority. The provisions of this code shall not be held to deprive any federal or state agency, or any applicable governing body having jurisdiction, of any power or authority which it had on the effective date of this ordinance or of any remedy then existing for the enforcement of its orders, nor shall it deprive any individual or corporation of its legal rights as provided by law.

A-101.4 MAINTENANCE

All electrical installations and equipment, both existing and new, and all parts thereof shall be maintained in a safe condition. All devices and safeguards which are required by this code shall be maintained in good working order. The owner, or his designated agent, shall be responsible for the maintenance thereof in accordance with this code.

A-101.5 ELECTRICAL INSTALLATION OR MAINTENANCE BY HOMEOWNER

Nothing in this code shall prevent any homeowner from installing or maintaining electrical systems in his home providing such electrical work is done by himself and such home is used exclusively by him and/or his family. The Chief Electrical Inspector shall examine and pass upon the qualifications of every person who may apply for a homeowner's permit to install electrical systems. Such privilege does not convey the right to violate any of the provisions of this code, nor is it to be construed as exempting any such property owner from obtaining a permit and paying the required fees therefor.

SECTION A-102 ORGANIZATION

A-102.1 INSPECTION SERVICES DEPARTMENT

There is hereby established a department called the Inspection Services Department, which is in the charge of the Director of Inspection Services.

A-102.2 INSPECTORS

The Governing Body of the county may appoint such number of officers, inspectors, assistants, and other employees to carry out the provisions of this code.

A-102.3 DEPUTY

The Director of Inspection Services may designate as his deputy an employee in the department who shall, during the absence or disability of the Director of Inspection Services exercise all the powers of the Director of Inspection Services.

A-102.4 RESTRICTION ON EMPLOYEES

No officer, inspector, assistant or employee connected with the department, except one whose only connection is as a member of the boards established by this code, shall be financially interested in the furnishing of labor, material, or appliances for the construction, alteration, or maintenance of electrical installations or in the making of plans or of specifications therefor, except for property owned by him and after satisfying the Personnel Board rule on conflict of interest. No such officer or employee shall engage in any work which is inconsistent with his duties or with the interests of the department.

A-102.5 RECORDS

The Director of Inspection Services shall keep, or cause to be kept, a record of the business of the department. All records shall be kept for a minimum period of thirteen (13) years as required by the Records Disposition Authority approved by the Jefferson County Commission on January 16, 2001. The records of the department shall be open to public inspection during regular business hours.

SECTION A-103 POWERS AND DUTIES OF THE DIRECTOR OF INSPECTION SERVICES

(As used herein the term "Director of Inspection Services" shall include officers, inspectors, assistants and employees.)

A-103.1 DUTIES

The Director of Inspection Services shall enforce the provisions of this code. He or his duly authorized representative shall also, upon application, grant permits for the installation of electrical wiring and equipment, and shall make, or cause to be made, inspections of all new electrical installations and reinspections of all electrical installations.

A-103.2 POWERS AND AUTHORITY

The Director of Inspection Services or his duly authorized representatives may enter any building, structure, or premises in the areas described in Section A-101.3 of this code, to perform any duty imposed upon him by this code, and shall have the authority to cause the turning off of all electrical currents and to cut or disconnect, in cases of emergency, any wire where such electrical currents are dangerous to life or property. The Director of Inspection Services is hereby empowered to disconnect or order the discontinuance of electrical service to any electrical wiring, devices or equipment found to be defectively installed or otherwise not in conformity with the provisions of this code, until such wiring, devices and equipment and their installations have been made safe.

A-103.3 STOP WORK ORDERS

Upon notice from the Director of Inspection Services that work on any electrical installation is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall be immediately stopped. Such notice shall be in writing and shall be given to the owner of such property, or his agent, or to the person doing the work, and shall state the conditions under which work may be resumed. Where any emergency exists, verbal notice given by the Director of Inspection Services shall be sufficient notice.

A-103.4 REVOCATION OF PERMITS

The Director of Inspection Services may revoke a permit or approval issued under the provisions of this code in any case where there has been any false statement or misrepresentation as to a material fact in the application or plans on which the permit or approval was based. Permit fees shall not be refunded in case of a revocation.

A-103.5 NON-CONFORMING WORK

Any person, firm or corporation engaged in the electrical business, or any person lawfully doing work under the provisions of this code, whose work does not conform to the regulations herein set out, shall on notice from the Director of Inspection Services make the necessary changes at once in order to remedy the same. If the work has not been so changed after ten days notice from

the Director of Inspection Services, the said Director of Inspection Services may disconnect the premises on which such work is installed from the electrical services without further notice.

A-103.6 UNSAFE INSTALLATIONS

All electrical installations, regardless of type, which are unsafe or which constitute a hazard to human life, health or welfare are hereby declared illegal and if not corrected or abated in accordance herein the same shall be punishable in accordance with Section A-114 hereof. The Director of Inspection Services shall notify the owner or agent thereof in writing of the illegal electrical installation along with the notice of a date by which the required correction shall be made. Failure to timely make the required corrections or obtain an extension of the date shall authorize the Director of Inspection Services to disconnect or order the discontinuance of electrical service to the premises.

A-103.7 REQUIREMENTS NOT COVERED BY CODE

Any requirement necessary for the safety of an existing or proposed electrical installation, or for the safety of the occupants of a building or structure, not specifically covered by this code, shall be determined by the Director of Inspection Services, subject to the right of appeal to the Electrical Board of Adjustments and Appeals.

A-103.8 LIABILITY

This code shall not be construed as imposing upon Jefferson County any liability or responsibility for damages to any person or property caused by any defect in any electrical installation or equipment mentioned herein or by installation thereof, nor shall Jefferson County or any officer, inspector, assistant or employee thereof, be held as assuming any such liability or responsibility by reason of the inspection authorized hereunder or the certificate of approval issued by the inspector.

Any officer, inspector, assistant or employee, or member of any boards, charged with the enforcement of this code, acting for Jefferson County in the discharge of his duties, shall not thereby render himself personally liable and he is hereby relieved from all personal liability for any damage that may accrue to persons or property as a result of any act required or permitted in the discharge of his duties. Any suit brought against any such officer, inspector, assistant or employee or member of any such boards, arising out of any such act performed by him in the enforcement of any provision of this code shall be defended by the County Attorney until the final termination of the proceedings.

SECTION A-104 APPLICATION FOR PERMIT

A-104.1 WHEN REQUIRED

Any person, firm or corporation who desires to install wiring, devices or equipment for the transmission, distribution, or utilization of electrical energy for lights, heat or power within or on any building, structure, or premises, or make any alterations, repair, or addition in any such

existing wiring, devices or equipment, shall first make application to the Director of Inspection Services and obtain the required permit therefor, except as stated in paragraphs (a), (b), (c), (d), (e), or (f) of this section.

(a) No permit shall be required for minor repairs, such as repairing flush and snap switches, replacing fuses, changing lamp sockets and receptacles, taping joints and repairing drop cords.

(b) No permit shall be required for the installation of wiring, devices or equipment for telephone, telegraph, district messenger or any signaling systems operating at 50 volts or less, when installed by a public utility subject to regulation as such by the Alabama Public Service Commission, or any agency of the United States.

(c) No permit shall be required for the installation of electric wiring, devices or equipment installed in any building, the major portion of which is occupied by a public utility corporation to transmit and sell or use electric energy, provided such wiring, devices or equipment are for the use of said corporation in its operation as a public utility; provided, however, that permits shall be required for installations in public utility buildings to which the general public has regular access.

(d) No permit shall be required for maintenance and repairs which is done by or under the immediate supervision of a certified maintenance electrician; provided, that permits shall be required in all cases where new circuits, additional load or new equipment is added.

(e) Unless specifically required elsewhere in this code, no permit shall be required for the installation, maintenance, or repair of the facilities (other than buildings) of a public utility corporation selling electricity regulated by the Alabama Public Service Commission, when such utility is acting in the exercise of its function as a utility.

(f) Any person, firm or corporation operating any manufacturing plant or establishment which now employs at least 500 persons in Jefferson County on a regular basis (herein called the company), and which regularly employs one or more full time salaried electrical engineers duly registered and licensed under the laws of the State of Alabama, as such, and who desires to install wiring, devices or equipment for the transmission, distribution, or utilization of electrical energy for lights, heat or power within or on any building, structure or premises, or make any alterations, repair, or addition in any such existing wiring, devices or equipment, and not be inspected as required in Section A-107 of this code, shall first make application, signed by said engineer, for the electrical permit, and submit electrical permit fees prior to commencing any electrical work on any such building, structure, or premises, and provided further that the said engineer shall, when electrical work is completed, submit a Certificate-of-Completion on a form provided by the Director of Inspection Services that shall include the certificate of said engineer and the company that the work was done in compliance with all provisions of this code and all other pertinent county ordinances and codes and that said engineer and company assumes full responsibility therefor.

A-104.2 APPLICATION FORM

Permits shall be issued to any person, firm or corporation upon application bearing the signature of his, its or their authorized Master Electrician except as may be approved in Sections A-101.5 and A-104.1 (f). The applicant shall provide the necessary information to complete the application form furnished by the Director of Inspection Services. Application for a permit can be made in person or by mail. It shall be unlawful for any person, firm or corporation to proceed with any electrical installation or repair before the required permit or permission thereof has been issued or granted.

A-104.3 DRAWINGS AND SPECIFICATIONS

(a) Application for a permit to install electrical systems or equipment shall be accomplished by drawings and specifications and other necessary information as required by the Director of Inspection Services to determine accurately the character of the work and compliance with this code; provided, however, that drawings and specifications may not be required in the following types of installations:

1. For one or two family dwellings unless, in the opinion of the Director of Inspection Services, the complexity of the installation is such as to necessitate the filing of plans and/or specifications to ascertain compliance with this code.
2. For one story buildings of areas not exceeding 7,500 square feet gross floor area unless, in the opinion of the Director of Inspection Services, the complexity of the installation is such as to necessitate the filing of plans and/or specifications to ascertain compliance with this code.

(b) Drawings required shall clearly illustrate and, together with specifications, shall contain sufficient detail and data to indicate code compliance and character of the work substantially as follows:

1. Floor plan of each floor drawn to a scale of not less than $1/8" = 1$ foot on a minimum sheet size of eleven inches by seventeen inches (11" x 17").
2. Plot plan drawn to a scale of not less than $1" = 40'$.
3. Reference to code: Such drawings and/or specifications shall be specific, and this code shall not be cited as a whole or in part nor shall the term "legal" or its equivalent be used as a substitute for specific information.
4. All drawings and specifications required shall be submitted in duplicate.
5. When symbols are used, such symbols shall be identified in symbol schedule on drawings.
6. The Director of Inspection Services may require that drawings be prepared by an architect or engineer duly registered in the State of Alabama.

A-104.4 EXAMINATION OF DRAWINGS

(a) The Director of Inspection Services shall examine or cause to be examined each application for a permit and the drawings and specifications which may be filed therewith, and shall ascertain by such examination whether the electrical installation indicated and described is in accordance with the requirements of this code and all other pertinent county ordinances and codes.

(b) The Director of Inspection Services may accept a sworn affidavit from a registered architect or engineer stating that the drawings and specifications submitted of the electrical installation conform to all requirements of this code, and he may without any examination or inspection accept such affidavit, provided the architect or engineer who made such affidavit agrees to submit to the Director of Inspection Services on the completion of the installation a Certificate-of-Completion that the electrical installation has been installed in accordance with the requirements of this code. Where the Director of Inspection Services relies upon such affidavit, the architect or engineer shall assume full responsibility for the compliance with all provisions of this code and the architect or engineer shall state in the Certificate-of-Completion that he does assume full responsibility for compliance with all provisions of this code and all other pertinent county ordinances and codes.

(c) The Director of Inspection Services may require a sworn affidavit from the registered architect or engineer who prepared the plans stating requirements in the preceding paragraph have been met, whenever in the opinion of the Director of Inspection Services the size or complexity of the electrical installation requires such affidavit.

SECTION A-105 PERMITS

A-105.1 ACTION ON APPLICATION

(a) If the Director of Inspection Services is satisfied that the work described in an application for permit and the drawings and specifications which may be filed therewith conform to the requirements of this code, and other pertinent county ordinances and codes, he shall issue a permit therefor to the applicant.

(b) If the application for permit and the drawings and specifications which may be filed therewith describes work which does not conform to the requirements of this code or other pertinent county ordinances and codes, the Director of Inspection Services shall not issue a permit, but shall return the drawings to the applicant with his refusal to issue such a permit. Such refusal shall, when requested, be in writing and shall contain the reasons therefor.

(c) A separate permit must be obtained for the work on each structure or building unit including alterations, additions, and general repairs, unless otherwise excepted herein.

A-105.2 CONDITIONS OF THE PERMIT

The Director of Inspection Services shall act upon an application for a permit with plans and specifications as filed, or as amended, without unreasonable or unnecessary delay. A permit issued shall be authority to proceed with the work in accordance with the provisions of this code and other pertinent laws and ordinances. The Director of Inspection Services shall have authority at any time to require corrections of errors in previously filed plans and specifications. Any permit issued shall become invalid unless the work authorized by it shall have been commenced within six (6) months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six (6) months after the time the work is commenced; provided, that for cause, extensions of time for a period not exceeding six (6) months each, may be allowed in writing by the Director of Inspection Services. However, the maximum number of extensions shall not exceed three (a total of 18 months). Work permitted under the initial permit shall be commenced within a two (2) year period. Work not completed within a two and one-half (2 ½) year period shall require a new permit. Cost of the new permit shall be based upon the amount required to complete the project.

A-105.3 PERMITS ISSUED UPON AFFIDAVITS

Whenever a permit is to be issued in reliance upon an affidavit as provided in Section A-104.4 or whenever the work to be covered by a permit involves construction under conditions which, in the opinion of the Director of Inspection Services are hazardous or complex, the Director of Inspection Services shall require that the architect or engineer who signed the affidavit or made the drawings or computations shall supervise such work, be responsible for its conformity with the filed drawings, and forthwith upon its completion make and file with the Director of Inspection Services a Certificate-of-Completion that the work has been done in conformity with the filed plans and with all the applicable provisions of this code. The architect or engineer shall state in the Certificate-of-Completion that he assumes full responsibility for compliance with all provisions of this code and all other pertinent county ordinances and codes. In the event, such architect or engineer is not available, the owner shall employ in his stead an architect or engineer who shall make said certification.

SECTION A-106 FEES

A-106.1 GENERAL

Before any permit is granted herewith, the person making application for such permit shall pay to the County a fee in such amount as specified in Section A-106.3

A-106.2 FAILURE TO OBTAIN A PERMIT

If any person commences any work on an electrical installation before obtaining the necessary permit from the County, he shall be subject to the penalty prescribed in Section A-114.

A-106.3 SCHEDULE OF PERMIT FEES

Note: Minimum Permit Fee \$50.00

WIRING TO OUTLETS (Including Light Switches)

1 to 20 Outlets.....	\$ 12.00
21 to 40 Outlets.....	\$ 15.00
41 to 60 Outlets.....	\$ 18.00
61 to 80 Outlets.....	\$ 20.00
81 to 100 Outlets.....	\$ 24.00
101 to 200 Outlets.....	\$ 30.00
201 to 500 Outlets.....	\$ 50.00
501 to 1,000 Outlets....	\$100.00
1,001 Outlets and Over...	\$150.00

INSTALLATION OF FIXTURES (Including Wiring to Fixture Outlets)

1 to 20 Fixtures.....	\$ 12.00
21 to 40 Fixtures.....	\$ 15.00
41 to 60 Fixtures.....	\$ 18.00
61 to 80 Fixtures.....	\$ 20.00
81 to 100 Fixtures.....	\$ 24.00
101 to 200 Fixtures.....	\$ 30.00
201 to 500 Fixtures.....	\$ 50.00
501 to 1,000 Fixtures.....	\$100.00
1,001 Fixtures and over.....	\$150.00

CIRCUITS

0 - 20 amperes.....	\$10.00
30 amperes.....	\$15.00
40 amperes.....	\$18.00
50 amperes.....	\$20.00
60 amperes.....	\$25.00
100 amperes.....	\$30.00
125 amperes.....	\$35.00
150 amperes.....	\$40.00
200 amperes.....	\$45.00
Over 200 amperes.....	\$50.00

SERVICE EQUIPMENT FOR LIGHT, HEAT OR POWER

Temporary Service.....	\$ 10.00
100 ampere switch or less.....	\$ 15.00
200 ampere switch.....	\$ 20.00
400 ampere switch.....	\$ 25.00

600 ampere switch.....	\$ 30.00
800 ampere switch.....	\$ 35.00
1,200 ampere switch.....	\$ 40.00
1,201 amperes and over.....	\$ 50.00

SUB-PANEL AND FEEDERS

100 ampere or less.....	\$20.00
150 ampere	\$25.00
200 ampere.....	\$30.00
400 ampere.....	\$35.00
Over 400 ampere.....	\$40.00

FANS

(Paddle Fans and Vent/Exhaust Fans)

All Fans, Each.....	\$10.00
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INSTALLATION OF ELECTRIC APPLIANCES

Cooktops.....	\$15.00
Dish Washers.....	\$10.00
Dryers.....	\$15.00
Microwaves.....	\$10.00
Ovens.....	\$15.00
Ranges.....	\$15.00
Water Heaters.....	\$15.00

DIMMERS

500 – 1,000 watts.....	\$10.00
1,000.1 – 5,000 watts.....	\$15.00
Above 5,000.1 watts.....	\$20.00

FUEL DISPENSING UNITS

(Wiring for and/or installation)

New or rewire (per dispensing unit)....	\$15.00
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MOTORS

(Wiring for and/or installation)

Up to 5 hp.....	\$15.00
Above 5 hp to 25 hp...	\$20.00
Above 25 hp.....	\$30.00

GENERATORS

(Wiring for and/or installation)

Up to 10 kw.....	\$15.00
Above 10.1-25kw.....	\$20.00
Above 25.1-50kw.....	\$30.00
Above 50kw.....	\$50.00

TRANSFORMERS

Up to 5 KVAR.....	\$15.00
6.1 to 50 KVAR.....	\$25.00
Above 50 KVAR.....	\$50.00

MOBILE HOMES OR OFFICE/CONSTRUCTION TRAILERS

100 amp & AC unit.....	\$50.00
200 amp & AC unit.....	\$65.00

TEMP/PERMANENT POWER

0-1,000 amps.....	\$ 50.00
1,001 – 2,000 amps.....	\$100.00
2,001 amps and above.....	\$200.00

NUMBER OF INSPECTIONS

Four inspections when necessitated by job progress are included with initial permit.
Additional inspections are \$20.00 each.

REINSPECTION FEES

When necessitated by faulty materials, equipment, apparatus or workmanship, the following fees shall apply:

1 st Reinspection.....	\$20.00
2 nd Reinspection.....	\$40.00
All additional reinspections, each.....	\$50.00
Delayed Inspection and Penalty.....	\$30.00

A-106.4 FEES, HOW PAID

All fees for permits and inspections required under this code shall be paid at the offices of the Inspection Services Department either in the Birmingham Courthouse or the Bessemer Courthouse.

A-106.5 FEES FOR ADDITIONAL WORK

In the event that, during the performance of the work permitted under the permit, additional work is required, it shall be unlawful for the person who secured the original permit to fail to immediately remit to the Director of Inspection Services, an amount equal to the additional fees for permits and inspections incurred by the additional work.

A-106.6 BELATED PERMITS

No electrical work shall commence until the required permit is obtained. In the event any person shall commence or proceed with any work for which a permit is required by this code, without having first obtained such permit, the person so commencing or proceeding with such work without a permit shall take out a belated permit covering such work before proceeding further. The fees therefor shall be double the specific fees provided by law to be paid for a timely permit covering such work. Each additional violation within a twelve (12) month period of the last

violation shall result in a double fee plus twenty-five (25) dollars.

The issuance of a belated permit hereunder shall not waive or otherwise affect in any manner a prosecution under Section A-114 of this code.

A-106.7 REFUND OF FEES

(a) Permit Fees - Refund of fees paid for an electrical permit can be made if the following conditions have been met:

1. No work has begun under said permit; and
2. The filing by the permit holder of a refund claim with Jefferson County within six (6) months of the date of issuance of said permit. Provided, however, where the claim for refund involves the duplicating or permitting of the same job more than once, no refund shall be made on the most current permit after sixty (60) days from date of issuance of most current permit.

There shall be an administrative charge of \$30.00 on all refunds, and there shall be no refund of a minimum permit fee.

(b) Qualification Examination Fees - There shall be no refund on qualification examination fees.

A-106.8 EMERGENCY PERMITS

Nothing herein shall make it unlawful for the Director of Inspection Services to issue a permit prior to receiving the required application and fee for work under emergency conditions, as may be determined by said Director of Inspection Services, provided all information required in written application under Section 104 of this Code is given orally along with request for emergency permit. Any person, firm or corporation obtaining an emergency permit or inspection shall within five (5) days (Sunday and holidays excluded) after the issuance of such emergency permit or the giving of such emergency inspection, remit to the Director of Inspection Services, at his office, fees in the amount required for such permit and/or inspection together with written application required under Section A-105 of this Code. If such fees are not paid within the above five (5) days, a double fee shall be charged in accordance with Section A-106.6.

An emergency permit or inspection may be given only under the following conditions:

When it is necessary to immediately repair electrical wiring, devices or equipment in order to protect the health, safety and welfare of occupants of any building or structure.

SECTION A-107 INSPECTIONS

A-107.1 INSPECTION REQUIRED

All new electrical work and such portions of existing systems as may be affected by new work or any change shall be inspected to insure compliance with all the requirements of this code and to assure that the installation and construction of the electrical system is in accordance with approved plans.

A-107.2 NOTIFICATION

(a) Advance Notice/Concealed Work

It shall be the responsibility of the master electrician to give reasonable advance notice to the Director of Inspection Services when electrical work is ready for test or inspection.

When any part of a wiring installation is to be hidden from view by the permanent placement of parts of the building, the person installing the wiring shall notify the Director of Inspection Services, and such parts of the wiring installation shall not be concealed until they have been inspected and approved by the Director of Inspection Services; provided, that on large installations where the concealment of parts of the wiring proceeds continuously, the person installing the wiring shall give the Director of Inspection Services reasonable notice and inspection shall be made periodically during the progress of the work.

(b) Reinspection

If the Director of Inspection Services finds that the work will not pass the inspection, the permittee shall be required to make necessary corrections and the work shall then be resubmitted for inspection. Where additional inspections are necessary there shall be an additional fee as provided for in Section A-106.3.

(c) Inspection: Unsafe Installations

The Director of Inspection Services may make, periodically, a thorough reinspection of the installation of all electrical wiring, electrical devices and electrical equipment and when such installation of any wiring, devices or equipment is found to be in a dangerous or unsafe condition, the Director of Inspection Services shall proceed in accordance with Section A-103.5 hereof.

(d) Inspections

Upon the completion of the installation of the electric wiring, devices and equipment which have been authorized by issuance of a permit, it shall be the duty of the person installing the same to notify the Director of Inspection Services who shall inspect the installation within a reasonable time. It shall also be the responsibility of the master electrician to insure that the premises, work, and personnel are available and accessible to the Director of Inspection Services or his representative for inspection and to provide personnel and assistance as necessary to complete

the inspection. If the work is found to be fully in compliance with this code and does not constitute a hazard to life and property, he shall, upon request, issue to such person, for delivery to the owner, a certificate of approval.

When a certificate of approval is issued on temporary work, such a certificate shall be issued to expire at a stated time and shall be revocable by the Director of Inspection Services at his discretion. A preliminary certificate may be issued on certain specified portions of an uncompleted installation; such a preliminary certificate shall be revocable at the discretion of the Director of Inspection Services.

If, upon inspection, the installation is not found to be in full compliance with this code, the Director of Inspection Services shall at once notify the person performing the installation, including a statement of the defects which have been found to exist.

(e) Delayed Inspection and Penalty

On any job for which a permit has been obtained and a period of more than 90 days elapsed without request for an inspection, an inspection shall be made and should it be ascertained that the work has been completed for which an inspection is required and no inspection has been requested as otherwise required by this code, a delayed inspection penalty fee shall be paid as provided in Section 106. Payment of this fee shall not include payment of any other inspection charges incurred due to defective material, workmanship, equipment, apparatus, or the lack of equipment, apparatus, or personnel required for inspection or tests.

SECTION A-108 APPROVALS

A-108.1 INITIAL CONNECTIONS

It shall be unlawful for any person, firm or corporation to make or to allow connections from a source of electrical energy to any electrical wiring, devices or equipment for the installation of which a permit is required, until approval has been given by the Director of Inspection Services authorizing such connection and the use of such wiring, devices or equipment.

A-108.2 RECONNECTIONS

It shall be unlawful for any person, firm or corporation to make connection from a source of electrical energy to any electrical wiring, device or equipment which has been disconnected or ordered to be disconnected by the Director of Inspection Services or the use of which has been ordered by the Director of Inspection Services to be disconnected until approval has been given by the Director of Inspection Services authorizing the reconnection and use of such wiring, devices or equipment.

A-108.3 APPROVED MATERIALS, APPARATUS, EQUIPMENT AND METHODS

(a) Regulation of Electrical Goods Installed

All electrical materials, apparatus, fittings, appliances, devices and/or appurtenances, shall bear the manufacturer's name, trademark or other identification symbol along with markings giving operating voltage, type of current, wattage, and/or other pertinent information as may be necessary to determine the character of the material, apparatus, fitting, appliance, devices and/or appurtenance and the use for which it is intended.

It shall be unlawful for any person, firm or corporation, to remove, alter, change, mar and/or deface any manufacturer's name, trademark, symbol, and/or markings required in immediate preceding paragraph of this section.

(b) Approved Electrical Goods Defined

No electrical material, apparatus, fitting, appliance, device and/or appurtenance shall be installed by any person, firm or corporation, until such material, apparatus, fitting, appliance, device and/or appurtenance shall have been submitted to a nationally recognized testing laboratory for examination and testing. Only electrical materials, apparatus, fittings, appliances, devices and/or appurtenances labeled or listed by a nationally recognized testing laboratory, shall be considered as having complied with the foregoing regulation or requirement.

SECTION A-109 QUALIFYING AND BONDING OF ELECTRICIANS

A-109.1 GENERAL

Before any person, firm or corporation shall engage in the electrical business within the area described in Section A-101.3 of this code, he shall be qualified as set forth herein, and a license shall be obtained from the City, County and State as required and a proper bond posted. Except as provided in Section A-101.5 hereof, where any electrical work is being done, a master or journeyman electrician shall at all times be present on the job, and in actual control, and in charge of the work being done.

A-109.2 DEFINITIONS

(a) The term "electrical construction," as used in this code, shall include all work and materials used in installing, maintaining or extending a system of electrical wiring for light, heat or power and all appurtenances, apparatus or equipment used in connection therewith, inside of or attached to any building or structure, lot or premises.

(b) The term "electrical contractor," as used in this code, shall mean a person, firm or corporation who is engaged in the business of electrical construction and who is qualified under the terms and provisions of this code.

(c) The term "master electrician," as used in this code, shall mean a person certified in accordance herewith who possesses the necessary qualifications, training and technical knowledge to plan, lay out and supervise the installation of and install electrical wiring, apparatus and equipment for light, heat and power, as covered by the terms and provisions of this code.

(d) The term "journeyman electrician," as used in this code, shall mean a person certified in accordance herewith who possesses the necessary qualifications, training and technical knowledge to install electrical wiring, apparatus or equipment for light, heat or power, as covered by the terms and provisions of this code. Also he shall be capable of performing said work according to drawings and specifications approved in accordance herewith and furnished to him in accordance with standard rules and regulations governing such work.

(e) The term "apprentice electrician," as used in this code, shall mean a person certified in accordance herewith performing electrical work under the direct supervision of a master or journeyman electrician.

(f) The term "direct supervision," as used in this code, shall mean close supervision given on the same premises or under the same roof with the supervised.

(g) The term "maintenance electrician," as used in this code, shall mean a person certified in accordance herewith who possesses the necessary qualifications, training and technical knowledge to maintain electrical wiring, apparatus or equipment for light, heat or power, as covered by the terms and provisions of this code. He shall be capable of performing such maintenance work in accordance with standard rules and regulations governing such work. He shall be a full-time employee who is employed to maintain and make necessary repairs to the existing electrical wiring, apparatus and equipment, contained and used within, or upon building or premises, owned or occupied, or controlled by the person, firm, company, or corporation by whom he is employed.

A-109.3 ELECTRICAL EXAMINING BOARD

There shall be an Electrical Examining Board consisting of nine members, namely, the Director of Inspection Services, the Chief Electrical Inspector, a registered engineer who practices electrical engineering, two Jefferson County electrical contractors, two journeyman electricians, a master electrician and an attorney. The members of the board, other than the Director of Inspection Services and the Chief Electrical Inspector shall be appointed by the Jefferson County Commission for a term of four years. The Jefferson County Commission may replace any member of the board at any time and without notice. The Director of Inspection Services shall be chairman of the Board and in his absence the Chief Electrical Inspector shall act as chairman. No member of the Board shall receive compensation for his services as such. Five members of said

Board shall constitute a quorum. At least five affirmative votes shall be necessary to determine any decision to be rendered by the Board.

A-109.4 QUALIFICATIONS OF JOURNEYMAN ELECTRICIANS

It shall be the duty of the Electrical Examining Board to pass upon the qualifications of every person who may apply for certification as journeyman electrician in accordance herewith. Such applicants shall make written application for said journeyman certificate not less than forty (40) days prior to an examination to stand for said examination for a journeyman electrician certificate upon form provided by the County. Said application shall be accompanied by a fee of \$90.00. Such applicant shall be eligible for examination who:

(a) has worked a minimum of 6,000 hours as a registered apprentice electrician under the direct supervision of a Jefferson County master or journeyman electrician and has furnished the Inspection Services Department an annual report from his employer, certified by a master electrician, showing the number of hours and the type of work performed (residential, commercial or industrial); or

(b) has an electrical engineering degree from an accredited college of engineering; or

(c) has had such experience in the construction and design of commercial, industrial or residential electrical construction as shall be acceptable to the Board.

Such applicant shall be examined by written examination upon the fundamentals of electricity, the laws of the county pertaining to electrical installation and construction, the theory and practice of electrical installation and construction, and the ability of the applicant to do practical electrical installation and construction. Said written examination shall be administered by the Inspection Services Department through an independent testing agency. The Inspection Services Department shall report to the Electrical Examining Board the results of said written examination and the Electrical Examining Board shall forthwith issue a journeyman certificate to each applicant making a grade of seventy (70) or more on said examination.

A-109.5 QUALIFICATIONS OF MAINTENANCE ELECTRICIANS

It shall be the duty of said Board to pass upon the qualifications of every person who may apply for certification as maintenance electrician in accordance herewith. Such applicants shall make written application not less than forty (40) days prior to an examination to stand for examination for a maintenance electrician certificate, upon forms provided by the County. Said application shall be accompanied by a fee of \$90.00. Such applicant for a maintenance electrician certificate shall be eligible for examination and shall be examined in the same manner as prescribed for the examination of a journeyman electrician, in paragraph A-109.4, except that a grade of sixty-five (65) or more shall entitle the applicant to a maintenance electrician certificate.

A-109.6 QUALIFICATIONS OF MASTER ELECTRICIANS

It shall be the duty of said Board to pass upon the qualification of every person who may apply

for certification as a master electrician in accordance herewith. Such applicants shall make written application not less than forty (40) days prior to an examination to stand for examination for a master electrician certificate upon forms provided by the County. Such application shall be accompanied by a fee of \$90.00. Such applicant shall be eligible for examination as a master electrician who:

(a) has had two years practical experience as a journeyman electrician under the supervision of a Jefferson County master electrician and has held an unrevoked certificate as such for the said two (2) years, or

(b) has a professional engineer's license issued by the State of Alabama Board of Registration for Engineers and Land Surveyors and has an electrical engineering degree from an accredited college of engineering; or

(c) has had such experience in the construction and design of commercial, industrial or residential electrical construction as shall be acceptable to the Board. Such applicant for a master certificate shall be examined in the same manner as an applicant for a journeyman's certificate and he shall also be examined on his knowledge, training and ability in the planning, laying out and supervision of electrical installation and construction work.

Said written examination shall be administered by the Inspection Services Department through an independent testing agency. The Inspection Services Department shall report to the Electrical Examining Board the results of said written examination and the Electrical Examining Board shall forthwith issue a master certificate to each applicant making a grade of seventy-five (75) or more on said examination.

A-109.7 RECIPROCITY

Notwithstanding the foregoing, it shall be lawful for the Electrical Examining Board to pass upon the qualifications of every person who may apply by written application, upon a form provided by the County, and who shall have presented to the Board a valid, current, unrevoked Certificate of Competency as a Master, Journeyman or Maintenance electrician issued by a governmental inspection agency which was obtained by passing a National Recognized Testing Service proctored electrical examination and attaining a grade as required by the appropriate section in this code and who shall have paid to the County a fee of \$50.00. The Electrical Examining Board chairman may issue a Master, Journeyman or Maintenance Certificate of Competency, as appropriate, upon completion of the above subject to final approval of the Board at the next regular meeting.

A-109.8 MEETING OF THE BOARD

The Board shall meet at least thirty (30) days prior to each examination at the office of the Director of Inspection Services in Room B200, Jefferson County Courthouse. Special meetings of the Board may be called by the chairman at other times.

A-109.9 MASTER, JOURNEYMAN AND MAINTENANCE EXAMINATION TO BE HELD

Examination of applicants for master, journeyman and maintenance electrician certificates shall be held on the second Saturday of March, June, September and December of each calendar year.

A-109.10 EXAMINATION POSTPONEMENT

The Director of Inspection Services may for good cause at his discretion postpone to the nearest date possible any examination provided for in A-109.9 above.

A-109.11 TEMPORARY CERTIFICATES

Anything hereinabove to the contrary notwithstanding, it shall be lawful for the Director of Inspection Services to issue a temporary journeyman certificate to any applicant who shall have paid to the Director of Inspection Services an application fee of \$50.00, and holds a valid unrevoked journeyman card issued by another authority with similar journeyman electrician requirements as Jefferson County, or who, in the opinion of the Director of Inspection Services, has the necessary qualifications of a journeyman. The temporary journeyman electrician certificate shall be valid only until the day the next journeyman examination is to be given. However, if the holder of the said temporary journeyman certificate shall make application for and shall be permitted to stand the examination, then said temporary journeyman certificate shall be extended to the day the Inspection Services Department reports the grade made on the examination. Furthermore, the Director of Inspection Services may revoke the said temporary journeyman certificate at any time and no more than one temporary journeyman certificate can be issued to any one person.

A-109.12 APPRENTICE REGISTRATION

Any person who shall apply for registration as an apprentice electrician upon form provided for that purpose by the County shall be registered as such by the Chief Electrical Inspector without examination and upon payment of a \$10.00 fee.

The certificate of registration shall be valid for only the calendar year in which issued and dated and shall expire December 31 after date of issue.

Registered apprentices may renew the registration by paying an annual fee of \$10.00. The apprentice must provide at the time of renewal of registration an annual report from his employer documenting the hours worked and type of work performed for the past one-year period.

A-109.13 RENEWAL OF CERTIFICATE OF COMPETENCY

Every certificate of competency whether master, journeyman, or maintenance, and whether original or renewal, shall be valid for only the calendar year in which issued and dated and shall expire December 31 after date of issue.

Any holder of a valid master certificate for the current or preceding calendar year shall be entitled to a renewal certificate without examination for the next succeeding calendar year upon payment to the Director of Inspection Services of a renewal fee of \$30.00. It shall be unlawful

for any person to engage in the business of master electrician or electrical contractor in any period in which he does not hold a valid master certificate.

Any holder of a valid journeyman certificate for the current or preceding calendar year shall be entitled to a renewal certificate without examination for the next succeeding calendar year upon payment to the Director of Inspection Services of a renewal fee of \$20.00. It shall be unlawful for any person to work as a journeyman electrician in any period in which he does not hold a valid journeyman certificate.

Any holder of a valid maintenance certificate for the current or preceding calendar year shall be entitled to a renewal certificate without examination for the next succeeding calendar year upon payment to the Director of Inspection Services of a renewal fee of \$20.00. It shall be unlawful for any person to work as a maintenance electrician in any period in which he does not hold a valid maintenance certificate.

A "P" or Grandfathered Card if allowed to lapse will render it invalid, and under this code cannot be renewed. Only by taking an exam proctored by a nationally recognized testing agency can a new card be issued.

If a holder of a certificate of electrical competency with Jefferson County allows this certificate to lapse for a period of five years or less, the holder will be allowed to pay all past due annual renewal fees and renew this certificate without examination. After five years an exam proctored by a nationally recognized testing agency is required for renewal of the certificate.

A-109.14 REVOCATION AND SUSPENSION OF CERTIFICATE

The Electrical Examining Board shall have power to revoke any certificate if, after hearing, it shall find that any false statement was made in the application or that actual practice under such certificate has demonstrated, to the satisfaction of the Board, that the holder thereof does not possess the qualifications necessary for issuance of such certificate. Such a revoked certificate shall not be reinstated without examination as provided in Section A-109.4, Section A-109.5 and Section A-109.6. The Board shall have power to suspend any certificate for a definite period not exceeding sixty days, if after hearing, it determines that the holder has been guilty of any violation of this code.

A-109.15 APPEAL FROM ACTION OF BOARD

Every decision of the Electrical Examining Board shall be final, subject, however, to such remedy as any aggrieved party might have at law or in equity. It shall be in writing and shall indicate the vote upon the decision. Every decision shall be promptly filed in the office of the Director of Inspection Services, and shall be open to public inspection. The Electrical Examining Board shall, in every case, reach a decision without unreasonable or unnecessary delay.

A-109.16 DUTY OF EMPLOYER

No electrical contractor shall work any person on any job in the county in the capacity of either a

master electrician or a journeyman electrician or a maintenance electrician or an apprentice electrician, unless such person shall have in his possession a valid certificate for the capacity of the work performed, issued to him as hereinabove provided in this code.

A-109.17 UNLAWFUL TO DO BUSINESS WITHOUT CERTIFICATE

As herein used the word "certificate" shall mean a certificate of competency issued in accordance with Section A-109 hereof.

It shall be unlawful:

(1) for any person other than a holder of a certificate to do any electrical installation or construction work in the county, or

(2) for any holder of a certificate to employ as an assistant in any such work any person other than a holder of a certificate, or

(3) for any holder of a master or journeyman certificate to require a registered apprentice electrician to do any such work other than under his direct supervision, or

(4) for any registered apprentice electrician to do any such work other than under the direct supervision of the holder of a master or journeyman certificate, or

(5) for any holder of a maintenance electrician certificate to make any alterations or additions to the wiring systems of the person, firm, company, or corporation by whom he is employed.

Anything hereinabove to the contrary notwithstanding, it shall not be unlawful for any public utility corporation to transmit and sell electrical energy, or any employee of such public utility corporation to do any such work as a part of the public utility business of such corporation.

A-109.18 INSTALLATION AND OPERATION OF ILLEGAL WIRING OR EQUIPMENT

It shall be unlawful for any person, firm, or corporation to permit the installation of any electrical wiring, apparatus, or other appurtenances upon his premises, works, ways, machinery or plant except in strict accordance with all provisions of this code; it shall be further unlawful for any person to maintain, operate or attempt to operate any electrical wiring, apparatus, equipment, or other appurtenances in or upon his premises, works, ways, machinery or plant which has not been installed in strict accordance with this code.

A-109.19 VEHICULAR SIGNS

All trucks and similar vehicles used by electrical contractors shall have painted on the body of both sides of same, the full name and address of the firm to which it belongs. Lettering may be any color in contrast to the color of the body, but letters must be at least 2 1/2 inches high on firm's name.

A-109.20 BOND REQUIRED

Before any person, firm, or corporation shall engage in the business of installing, maintaining or repairing electrical wiring, apparatus and equipment for light, heat and power, or excavating, or blasting as an Electrical Contractor within the County, he, it, or they, shall in addition to the requirements of certification, have a business license issued by the appropriate Municipal, County and State Authorities, also deposit with the Jefferson County Commission and continuously maintain a good and sufficient bond in the sum of five thousand dollars (\$5,000.00), and made by a surety company duly authorized to do business in Alabama. Said bond shall be conditioned that the person, firm or corporation, to be known as the Principal in said bond, shall faithfully observe all ordinances and laws of the said County pertaining to said business or businesses, whether now or hereafter enacted, together with all rules and regulations established under the authority of said laws or ordinances; and shall perform in a workmanlike manner all work undertaken by said Principal in the prosecution of said business or businesses; and shall indemnify and save harmless the said County, its officers, agents, and employees from all liability occasioned or arising from acts done or omitted by said Principal, its servants and agents, in doing said work, or from any unfaithful or inadequate work; and shall adequately safeguard all ditches and excavations which may be opened by said Principal in the streets, highways and alleys of said County; and shall restore, or cause to be restored, in a workmanlike manner, to their former condition, all such portions of said streets, highways and alleys excavated by said Principal, and pay the expenses thereof; and shall maintain said restored portions in a safe condition for the period of one year from the date of such excavation; and shall defend all suits brought against the County, its officers, agents and employees based, in whole or in part, upon any act or default for which said Principal is responsible, and pay the costs and expenses thereof, and shall pay all such damages as any person, firm or corporation may sustain by reason of violation of said laws, ordinances or regulations by said Principal, its servants and agents, or by reason of the negligence of said Principal, its servants or agents, in the prosecution of said business or businesses. Said bond shall also provide that it may be canceled by the surety by giving the Jefferson County Inspection Services fifteen (15) days notice in writing prior to the date of cancellation. Failure to comply with this section shall authorize the revocation of the business license of the said person, firm or corporation.

A-109.21 ALLOWING ONE'S NAME, LICENSE OR BOND TO BE USED TO OBTAIN PERMIT FRAUDULENTLY

No person, firm or corporation engaged in the electrical business shall allow his, its or their names to be used by any other person, firm or corporation directly or indirectly, to obtain a permit for any work under his, its or their names, license or bond; nor shall he, it or they make any misrepresentations or omissions in his, its, or their applications. No person holding a master certificate shall represent more than one business as such master.

SECTION A-110 ELECTRICAL BOARD OF ADJUSTMENTS AND APPEALS

A-110.1 APPOINTMENT

There shall be an Electrical Board of Adjustments and Appeals consisting of seven (7) members. The members of the Electrical Examining Board with the exception of the Director of Inspection Services, and the Chief Electrical Inspector, shall constitute the Electrical Board of Adjustments and Appeals.

A-110.2 QUORUM

Four members of said board shall constitute a quorum. At least four (4) affirmative votes shall be required to transact any business. No board member shall act in a case in which he has a personal interest.

A-110.3 RECORDS

The Director of Inspection Services shall act as Secretary of the Electrical Board of Adjustments and Appeals and shall make a detailed record of all its proceedings, which shall include names of the members present, the reasons for the board's decisions, the vote of each member participating therein, and any failure of a member to vote.

A-110.4 PROCEDURE

The board may establish rules and regulations for its own procedure not inconsistent with the provisions of this code. The board shall meet at the call of the Chairman or Director of Inspection Services and within twenty (20) days after notice of appeal has been received.

SECTION A-111 APPEALS

A-111.1 TIME LIMIT

(a) Whenever the Director of Inspection Services shall reject or refuse to approve the mode or manner of construction proposed to be followed or materials to be used in a building or structure, or when it is claimed that the provisions of this code do not apply, or that an equally good or more desirable form of construction can be employed in any specific case, or when it is claimed that the true intent and meaning of this code or any of the regulations thereunder have been misconstrued or wrongly interpreted, the owner of such building or structure, or his duly authorized agent may appeal from the decision of the Director of Inspection Services to the Electrical Board of Adjustments and Appeals. Notice of appeal shall be in writing on form provided by the county and filed with Director of Inspection Services within twenty (20) days after the decision is rendered by the Director of Inspection Services. A fee of \$50.00 shall accompany such notice of appeal. The fee is nonrefundable.

(b) In case of electrical work which, in the opinion of the Director of Inspection Services, is unsafe or dangerous, the Director of Inspection Services, may, in his decision, limit the time

for such appeal to a shorter period.

SECTION A-112 DECISIONS OF THE ELECTRICAL BOARD OF ADJUSTMENTS AND APPEALS

A-112.1 VARIATIONS AND MODIFICATIONS

(a) Upon appeal and after hearing, the Electrical Board of Adjustments and Appeals, may vary the application of any provision of this code to any particular case when, in its opinion, the enforcement thereof would do manifest injustice, and would be contrary to the spirit and purpose of this code or public interest, or when, in its opinion the interpretation of the Director of Inspection Services should be modified or reversed.

(b) A decision of the Electrical Board of Adjustments and Appeals to vary the application of any provision of this code or to modify an order of the Director of Inspection Services shall specify in what manner such variation or modification is made, the conditions upon which it is made and the reason therefor.

A-112.2 DECISIONS

(a) Every decision of the Electrical Board of Adjustments and Appeals shall be final, subject, however, to such remedy as any aggrieved party including the Director of Inspection Services might have at law or in equity. It shall be in writing and shall indicate the vote upon the decision. Every decision shall be promptly filed in the office of the Director of Inspection Services, and shall be open to public inspection.

(b) The Electrical Board of Adjustments and Appeals shall, in every case, reach a decision without unreasonable or unnecessary delay.

(c) If a decision of the Electrical Board of Adjustments and Appeals reverses or modifies a refusal, order, or disallowance of the Director of Inspection Services, or varies the application of any provision of this code, the Director of Inspection Services shall immediately take action in accordance with such decision unless appealed.

SECTION A-113 EXCAVATIONS-PUBLIC SAFETY

A permit shall be obtained by any person, firm or corporation for each excavation for the installation, maintenance, extension, and alteration of any pipe, cable, conduit, or appurtenance on a right-of-way of any county street, highway or any public easement. All work shall be done in accordance with applicable laws and ordinances of Jefferson County.

SECTION A-114 VIOLATIONS AND PENALTIES

Any person, firm or corporation violating any provision of this code or failing to comply with any of the provisions of this code after ten (10) days written notice from the Director of Inspection Services shall be guilty of a misdemeanor punishable by a fine of not more than five hundred dollars (\$500) or thirty (30) days in jail, or both, and a penalty of fifty dollars (\$50) per day, each day during the continuance of the violation.

SECTION A-115 VALIDITY

If any section, sub-section, sentence, clause or phrase of this ordinance is for any reason held to be unconstitutional or otherwise invalid, such decision shall not affect the validity of the remaining portions of this code.

Article A-210.11(a) Add the following sentence to the end of this section: "For the purpose of determining the number of branch circuits, general purpose outlets shall be calculated at 180 volt amperes." For example: 10 outlets on 15 amp circuit; and 13 outlets on 20 amp circuit.

Delete Article 230.3 in Chapter II of the "2011 Edition of the National Electrical Code" and substitute in lieu thereof the following Article 230.3.

ARTICLE 230.3 INSTALLATION REQUIREMENTS FOR SERVICE CONDUCTORS AND FEEDERS

Service conductors supplying a building or other structure shall not pass through the interior of another building or other structure.

Feeders in residential multiple-occupancy or tenancy buildings from service drop or lateral to distribution panels shall be installed in rigid metal conduit, IMC, EMT, or rigid non-metallic conduit either in slab, basement or crawl space under a building, or in such a manner that the raceway will not pass through one occupancy or tenancy to reach another, except the vertical portion from the first floor to the panel.

Approved cable will be permitted as a variation to the provisions of this paragraph provided the proposed location of such cable is submitted to and approved by the Director of Inspection Services.

Delete Article 230.28 in Chapter II of the "2011 Edition of the National Electrical Code" and substitute in lieu thereof the following Article 230.28.

ARTICLE 230.28 SERVICE MASTS AS SUPPORTS

Where a service mast is used for support of service drop conductors, it shall be a minimum size of 2" rigid metal or IMC conduit. It shall be of adequate strength or be supported by braces or guys to withstand safely the strain imposed by the service drop. Where raceway-type service masts are used, all raceway fittings shall be identified for use with service masts. Only power service-drop conductors shall be permitted to be attached to a service mast.

Article 310.106A of the "2011 Edition of the National Electrical Code" is amended as follows:

Conductor Voltage Rating (Volts)	Copper	Aluminum or Copper-Clad Aluminum
0 - 2,000	14	2
2,001 - 8,000	8	2
8,001 - 15,000	2	2
15,001 - 28,000	1	1
28,001 - 35,000	1/0	1/0

Amend Article 334.12(A)(4), Uses Not Permitted, in Chapter III of the "2011 Edition of the National Electrical Code" to read as follows:

- (4) In commercial garages.

Delete Article 340.12 in Chapter III of the "2011 Edition of the National Electrical Code" and substitute in lieu thereof the following Article 340.12.

ARTICLE 340.12 USES NOT PERMITTED

Type UF cable shall not be used as follows:

- (1) As service-entrance cable
- (2) In commercial garages
- (3) In theaters and similar locations
- (4) In motion picture studios
- (5) In storage battery rooms
- (6) In hoistways, or on elevators or escalators
- (7) In hazardous (classified) locations
- (8) Embedded in poured cement, concrete, or aggregate, except where embedded in plaster as nonheating leads where permitted in 424.43
- (9) Where exposed to direct rays of the sun, unless identified as sunlight resistant
- (10) Where subject to physical damage
- (11) As overhead cable, except where installed as messenger-supported wiring in accordance with Article 396

- (12) In commercial buildings or on commercial premises

Delete Article 550.2 Definitions, Informational Note No. 1, of the “2011 Edition of the National Electrical Code” without substitution.

Delete Article 550.32(B) in Chapter V of the “2011 Edition of the National Electrical Code” and substitute in lieu thereof the following Article 550.32(B).

Article 550.32(B) Manufactured Home Service Equipment.

The manufactured home service equipment shall be permitted to be installed in or on a manufactured home, provided that all of the following conditions are met.

- (1) The manufactured home is secured to a permanent foundation that complies with the U.S. Department of Housing and Urban Development Permanent Foundation Guide for Manufactured Housing.
- (2) The installation of the service equipment shall comply with Article 230.
- (3) Means shall be provided for the connection of a grounding electrode conductor to the service equipment and routing it outside the structure.
- (4) Bonding and grounding of the service shall be in accordance with Article 250.
- (5) The manufacturer shall include in its written installation instructions one method of grounding the service equipment at the installation site. The instructions shall clearly state that other methods of grounding are found in Article 250.
- (6) The minimum size grounding electrode conductor shall be specified in the instructions.
- (7) A red warning label shall be mounted on or adjacent to the service equipment. The label shall state the following:

WARNING
DO NOT PROVIDE ELECTRICAL POWER
UNTIL THE GROUNDING ELECTRODE(S)
IS INSTALLED AND CONNECTED
(SEE INSTALLATION INSTRUCTIONS).

Where the service equipment is not installed in or on the unit, the installation shall comply with the other provisions of this section.

APPROVED BY THE
JEFFERSON COUNTY COMMISSION
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