

**AN ORDINANCE TO ADOPT A RESIDENTIAL CODE FOR THE CITY OF MOBILE**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOBILE, ALABAMA, as follows:

**SECTION ONE:** That, pursuant to Alabama Code Section 11-44-8 (1975), the 2000 Edition of the International Residential Code and Appendices, along with the amendments to the same contained in this ordinance, which has been on file in the office of the City Clerk of the City of Mobile, Alabama, pursuant to a resolution adopted by the City Council of the City of Mobile, Alabama, on May 15, 2001, is hereby adopted as the “Residential Building Code of the City of Mobile.”

**SECTION TWO:** A copy of this ordinance shall be published pursuant and according to law, after its adoption, but it shall not be necessary for the said 2000 International Residential Code to be published in a newspaper, nor shall the same be spread at length upon the Minutes of this Council, but this ordinance shall be recorded in said Minutes.

**SECTION THREE:** The said 2000 International Residential Code shall be in full force and effect on and after the 12th day of June, 2001, and all ordinances heretofore adopted by the City of Mobile in conflict are hereby repealed.

**SECTION FOUR:** Chapter 1 of the 2000 International Residential Code shall be amended as follows:

**Amend Section R101 as follows:**

**Amend R101.1 as follows:**

**R101.1 Title.** These provisions shall be known as the Residential Code for one- and two-family dwellings of the City of Mobile, and shall be cited as such and will be referred to herein as “this Code.”

**Amend R101.2 as follows:**

**R101.2 Scope.** The provisions of the 2000 International Residential Code for one- and two-family dwellings shall apply to the construction, alterations, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one- and two-family dwellings and multiple single-family dwellings (town houses) not more than three stories in height with a separate means of egress and their accessory structures.

**Amend Section R102 as follows:**

**Add R102.4.1 as follows:**

**R102.4.1 Electrical Code Reference.** All electrical work and all materials and appliances used in connection therewith done within the City of Mobile shall conform to the requirements and provisions of the 1999 National Electrical Code, except as changed by the provisions hereof, which said requirements and provisions are hereby adopted and approved as a part thereof as fully and completely as if herein set out in haec verba.

All electrical materials, wiring devices, signs, appliances, and equipment used in electrical installations in the City of Mobile whether wholesale or retail in nature shall bear listing label of a nationally recognized testing laboratory or be approved by the Urban Development Department, Electrical Inspection Unit of the City of Mobile.

**Amend Section R103 as follows:**

**Amend R103.1 as follows:**

**R103.1 Creation of enforcement agency.** The Department of ~~Building Safety~~ Urban Development is hereby created and the official in charge there of shall be known as the Building Official.

**Amend Section R104 as follows:**

**Add R104.4.1 as follows:**

**R104.4.1 Electrical Inspections.** The Electrical Official shall, during the installation, alteration, or extension of an electrical wiring system, make or cause inspections to be made to assure compliance with the provisions of this code.

1. No work in connection with an electric wiring system shall be covered or concealed until it has been inspected as prescribed in this code and permission to do so has been given by the Electrical Inspection Unit of the Urban Development Department.
2. The Electrical Official shall within a reasonable time after notice of the completion of the electrical wiring for which a permit is required by this code, make or cause to be made an inspection of such work and such tests as may be necessary to determine that it conforms with the code.
3. The Electrical Official shall make or cause to be made a re-inspection of an electrical wiring installation wherever he/she deems it necessary in the interest of public safety. The Chief and Field Electrical Inspectors are on call 24 hours a day, seven days a week for emergencies.

4. If an electrical wiring system upon re-inspection is found to be defective and unsafe, the Electrical Official shall revoke all certificates in effect at that time relating to such systems; and the use of such electrical wiring system shall be discontinued until it has been made to conform to this code and a new certificate of approval has been issued by the Electrical Official.
5. Upon the making of the final inspection of an electrical wiring system, if the same be approved, then the Electrical Official shall issue or cause to be issued a certificate of approval, as hereinafter provided, and the same shall be attached to the electrical wiring system.

**Amend Section R105 as follows:**

**Add R105.1.1 as follows:**

**R105.1.1 By whom application is made.** Application for a permit shall be made by the person or agent to install all or part of any plumbing or electrical system. The applicant shall meet all qualifications established by statute, or by rules promulgated, by this code, or by ordinance, or by resolution. The full name and address of the applicant shall be stated in the application. An Alabama Master Plumbing or Electrical License and Business License shall be required, except for homeowners personally doing work on the residence they occupy. All others must be duly registered, licensed plumbers or electricians with the City of Mobile.

**NOTE: For the purposes of gas water heater installations only.** A Master gas fitter may purchase the permit for water heater installation so long as his gas fitter qualifications match 105.9.1 of this Code for plumbers.

**Amend R105.2 as follows:**

**R105.2 Work exempt from permits.** Permits shall not be required for the following. Exemption from the permit requirements of this Code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this Code or any other laws or ordinances of this jurisdiction.

**Building:**

- ~~1. One story detached accessory structures, provided the floor area does not exceed 200 square feet.~~
2. Retaining walls that are not over 4 feet in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
- ~~3. Water tanks supported directly upon grade if the capacity does not exceed 5000 gallons and the ratio of height to diameter or width does not exceed 2:1.~~
- ~~4. Side walks and driveways not more than 30 inches above adjacent grade and not over any basement or story below.~~
- ~~5. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.~~

- ~~6. Prefabricated swimming pools that are less than 24 inches deep. Any swimming pools constructed above ground.~~
7. Swings, playhouses, treehouses, and other playground equipment accessory to a one- and two-family dwelling.
- ~~8. Window awnings supported by an exterior wall.~~

## **Electrical**

Repairs and maintenance: A permit shall not be required for ~~minor repair work, including~~ the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

## **Gas**

- ~~1. Portable heating, cooking, or clothes drying appliances.~~
- ~~2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.~~

## **Mechanical**

1. Portable heating appliances.
2. Portable ventilation appliances.
3. Portable cooling unit.
4. Steam, hot, or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that area actuated by motors or 1 horsepower (746 W) or less.

## **Plumbing**

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

**Delete R105.2.2 in its entirety**

~~**R105.2.2 — Repairs.** Application or notice to the Building Official is not required for ordinary repairs to structures, replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load bearing support, or the removal or change of any means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include additions to, alterations of, replacement or relocation of any, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.~~

**Amend R105.3 as follows:**

**R105.3 Application for permit.** To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the ~~building safety~~ Urban Development Department for that purpose. Such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and definitely locate the proposed building or work.
3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required in Section R106.1.
5. State the valuation of the proposed work.
6. Be signed by the applicant or the applicant's authorized agent.
7. Give such other data and information as required by the Building Official.
8. Applicant must provide proper identification to verify ownership of property.
9. Application for an electrical permit shall be granted only to the homeowner, or to a master electrician or to the master electrician's authorized agent, or to the homeowner.
10. Application for a plumbing permit shall be granted only to the homeowner, or to a master plumber, or the master plumber's duly authorized agent.

**Amend R105.3.1.1 as follows:**

**R105.3.1.1 Substantially improved or substantially damaged existing buildings and structures.** For applications for reconstruction, rehabilitation, additions, or other improvements of existing buildings or structures located in an area prone to flooding as established by the current Flood Plain Ordinance, the Building Official shall examine or cause to be examined the construction documents and shall prepare a finding with regard to the value of the proposed work. For buildings that have sustained damage of any origin, the value of the proposed work shall include the cost to repair the building or structure to its pre-damaged condition. If the Building Official finds that the value of proposed work equals or exceeds 50 percent of the market value of the building or structure, ~~the finding shall be provided to the Board of Appeals~~

~~for a determination of substantial improvement or substantial damage. Applications determined by the Board of Appeals to constitute substantial improvement or substantial damage shall meet the requirements of Section \_\_\_\_\_.~~ The Building Official shall deny such permit.

**Add R105.8.1 as follows:**

**R105.8.1 Electrical Contractors' Responsibilities.** It shall be required of every electrical contractor as defined in this code to pay a license tax as provided in the general license ordinances of the City of Mobile and to register his name and business address in a book provided for that purpose with the Board of Examiners, and in case of removal of his place of business to some other location to notify the Board of Examiners of such change so that the register may be corrected; and it shall be the further duty of every such electrical contractor to comply with all other ordinances of the City of Mobile and statutes of the State of Alabama in reference to Electricity. The bond form must be signed by the owner and Master.

**Amend R105.9 as follows:**

**R105.9 Contractors' Responsibilities.** It shall be the duty of every contractor who shall make contracts for the installation or repair of buildings for which a permit is required, and every contractor or builder making contracts and sub-letting the same, or any part thereof, to pay a license tax as provided in the general license ordinance, and to register his/her name with the Building Official in a book provided for the purpose, giving full name, residence, and place of business; and in the case of removal from one place to another, to have made corresponding changes in said register accordingly; and it shall be further the duty of every such person to give good and sufficient bond in the amount of \$10,000, provided by a surety company qualified to do business in the State of Alabama, from an agent thereof with office in the City of Mobile, approved by the City Attorney, and conditioned to conform to the building regulations, the regulation of this section, and other ordinances or laws of the applicable governing body.

**Add R105.9.1 as follows:**

**R105.9.1 Plumbing Contractors' Responsibilities.** Before any person, firm, or corporation shall engage in the plumbing business, he/she shall be qualified as set forth herein, and a license shall be obtained from the City, County, or State as required, and a proper bond posted. Where any plumbing work is being done, a Master or Journeyman Plumber shall at all times be present on the job and in actual control and in charge of the work being done. All plumbers shall be duly registered with the City of Mobile. A Master or Journeyman Plumber need not be present at the time of the inspection except in the case of the sewer inspection.

**Add R105.9.3 as follows:**

**R105.9.3 Mechanical Contractors' Responsibilities.** In addition to requirements set out in R105.9, before any person, firm, or corporation shall engage in the HVAC business, he/she shall hold the active certification card issued by the Alabama State Board of Heating and Air Conditioning Contractors.

**Add R105.10 as follows:**

**R105.10 Contractor Vehicular Signs.** All trucks and similar vehicles used by contractors and sub-contractors shall have signs on the both sides of the body of said vehicle indicating the full name, address, and telephone number of the firm to which it belongs. Lettering may be any color in contrast to the color of the body, but letters of the firm's name must be at least 1-1/2 inches high.

**Amend Section R106 as follows:**

**Amend R106.1 as follows:**

**R106.1 Submittal documents.** Construction documents, special inspection and structural observation programs, and other data shall be submitted in one or more sets with each application for a permit, when required by the Building Official. The construction documents shall be prepared by a registered design professional ~~where required by the statutes of the jurisdiction in which the project is to be constructed.~~ Where special conditions exist, the Building Official is authorized to require additional construction documents to be prepared by a registered design professional. **NOTE: Each and every reference in this code to the "registered design professional" shall be construed to mean "registered architect or engineer properly licensed in the State of Alabama."**

**Amend Section R108 as follows:**

**Amend R108.2 as follows:**

**R108.2 Schedule of permit fees.** On buildings, structures, electrical, ~~gas~~, mechanical and plumbing systems or alterations requiring a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

**BUILDING PERMIT FEES:**

1. Each permit shall be assessed a \$1.00 computer usage fee.
2. Where the valuation does not exceed \$100, no fee shall be required unless an inspection is necessary.
3. For a valuation over \$100, up to and including \$14,000, the fee shall be \$3 per thousand or fraction thereof.
4. For a valuation over \$15,000, up to and including \$100,000, the fee shall be \$45 for the first \$15,000, plus \$2 for each additional thousand or fraction thereof.
5. For a valuation over \$100,000, up to and including \$500,000, the fee shall be \$215 for the first \$100,000, plus \$1.00 for each additional thousand or fraction thereof.

6. For a valuation over \$500,000, up to and including \$1,000,000, the fee shall be \$615 for the first \$500,000, plus \$0.40 for each additional thousand or fraction thereof.
7. For a valuation over \$1,000,000, the fee shall be \$815 for the first million plus \$0.15 for each additional thousand or fraction thereof.
8. One-quarter (1/4) of one percent (1%) of total valuation shall be added to the above.
9. Permit Adjustment Fee. It shall be the responsibility of the permit holder to provide the Building Official with an adjusted valuation of all construction including, but not limited to, cost overrun(s) and change order(s) within forty-five (45) days of completion of said project.
10. Moving Fee. For the moving of any building or structure, the fee shall be \$50 per section.
11. Fence and Wall Fee: For the construction of all fences or walls, the fee shall be \$5.00.
12. Demolition Fee. For the demolition of any building or structure, the fee shall be \$25 per story. Interior demolition shall be based on the contract value.
13. Mobile Home or Modular Building Fee. For the placement of a mobile home or modular building, the permit fee shall be \$50.
14. Duplicate Permit Fee. A fee of \$10 shall be paid for duplicate permit cards requested for residential projects.
15. Letter of Final Inspection Fee. A letter of final inspection for certifying permitted work only, the fee shall be \$10 per letter.
16. Minimum Housing Inspection Fee. A fee of \$60.00 shall be paid for minimum housing inspections.
17. Re-inspection Fee(s). A fee of \$25.00 shall be paid for each re-inspection requested.
18. Weekend and emergency inspections \$50.00 – 1<sup>st</sup> hour  
Each additional hour \$25.00

**ELECTRICAL PERMIT FEES:**

**Computer Usage Fee:**

Each permit shall be assessed a \$1.00 computer usage fee.

**Main Service and Service Repairs:**

200 ampere switch or less	\$15.00
400 ampere switch	20.00
600 ampere switch	25.00
800 ampere switch.	30.00

**Main Service and Service Repairs (continued):**

1200 ampere switch	35.00
1600 ampere switch.	40.00
2000 ampere switch.	50.00

**Temporary Service** \$15.00

**Repairs to Outlets or Fixtures** \$15.00

**New Outlets:**

01 - 03	\$5.00
04 - 10	7.00
11 - 15	10.00
16 - 24	15.00
25 - 50	20.00
51 - 75	30.00
76 - 100	40.00
100 - 150	50.00
Plus \$0.30 per outlet over 200	

**Fixtures, Fluorescent Light Ballasts, and Smoke Detectors:**

01 – 10	\$7.00
11 – 20	9.00
21 – 30	11.00
31 – 40	13.00
41 - 50	15.00
51 – 60	18.00
61 – 70	20.00
71 – 80	22.00
81 – 90	25.00
91 – 100	30.00
Plus \$0.30 per fixture over 100	

**Ceiling fans:** \$1.00

**Motor Inspection Fees:**

Fractional	1 HP	\$ 5.00
1 1/2	3 HP	6.00
4	10 HP	8.75
11	20 HP	11.50
21	30 HP	13.75
31	50 HP	15.50
51	100 HP	17.50
Above	100 HP	17.50
Plus \$0.20 per each horsepower over 100		

Each Generator – Use motor schedule above and add \$2.00.  
 Other current consuming devices to be charged for as motors.  
 (Multiply amperes by voltage and reduce to horsepower by dividing 746 watts).

**Electric Signs:**

Sign connection fee	\$15.00
Sign shop fee	10.00

(Transformer or ballast incandescent lamps to be charged according to motor schedule.)

**Heating:**

0.0 kw to 7.9 kw	\$5.00
8.0 kw to 14.9 kw	8.00
15.0 kw to 22.9 kw	10.00
23.0 kw to 37.9 kw	15.00
38.0 kw to 74.9 kw	20.00

**Air Conditioners:**

Window air conditioners and central units to 4 tons	\$12.00
Over 4 tons	1.00 per ton
Re-Locate Air Conditioner Fee	Same as above
Repairs	\$15.00

**Appliances:**

Welding Machine Receptacle	10.00
Range	6.00
Dryer	5.00
Water Heater	5.00

**Special Systems:**

Non-Residential and Commercial	\$25.00
Residential	\$15.00

**Investigation Fee:** \$20.00

**Pool Fee:**

1 HP Motor, 1-4 outlets, Pool Bond \$25.00

**Transformers (1 kw or over):** \$15.00

**Weekend and emergency inspections** \$50.00 – 1<sup>st</sup> hour  
 \$25.00 each additional hour

**Direct burial cable, conduit and  
miscellaneous trench inspections** \$15.00

**Fees for Re-Inspections:**

A re-inspection fee shall be charged whenever an inspection is requested and the work is found to be not ready for inspection, or is improperly installed. The amount of said re-inspection fee shall be \$25.00 for each re-inspection.

**Fees for Late Permits :**

Double normal fee and/or Municipal Offense Ticket

Construction trailers \$50.00

Manufactured building Act #81-706 Section V (8)

Installation Permit \$50.00

Does not include premise wiring.

**Competency Card Renewal Fees:**

Maintenance Electrician	\$65.00
Journeyman	\$50.00
Duplicate Card Fee	\$10.00
Master Electrician	\$10.00 with Business License
State Issuance Fee	\$25.00
Inactive Master	\$10.00

***Renewal Certification Card Penalty Double Fee***

**MECHANICAL PERMIT FEES:**

1. Each permit will be assessed a computer usage fee \$1.00
2. Installation of air-conditioning and/or heating systems in single-family residences:
 

First system	\$30.00
Each additional system	\$10.00
3. Installation of air-conditioning and/or heating systems in apartments, per apartment: \$15.00
4. Installation of air-conditioning and/or heating systems in duplexes: \$40.00
5. Replacements of heating unit, evaporator coil, heating unit and evaporator coil, condensing unit or a/c add-on in single family residence: \$15.00
 

If heating unit, evaporator coil and condensing unit are replaced at the same time, the fee shall be the same as new installation (see “2”).
6. Replacement of heating and/or air conditioning equipment in multi-family dwellings shall require a permit fee of \$15.00 per tenant space.

7. Restroom exhaust Fans:	
Residential (per fan)	\$2.50
8. Relocation of equipment (i.e., condenser from roof to ground, etc.)	\$20.00
9. Adding or changing ductwork:	
<b>Residential:</b>	
First System	\$15.00
Additional systems (each)	\$5.00
10. Investigation Fee:	\$10.00
11. In the event a re-inspection is necessary, the inspector may invoke a reinspection fee of <del>\$15.00</del> .	\$25.00
12. If a job commences before a permit is obtained, the fee shall be doubled.	
13. Weekend and emergency inspections	First - hour - \$50.00 Each additional hour - \$25.00

#### **PLUMBING PERMIT FEES:**

On all plumbing installations requiring a plumbing permit, a fee for each plumbing permit shall be paid as required at the time of filing the application, in accordance with the following schedule:

1. For issuance of a permit	\$10.00
2. Each permit will be assessed a computer usage fee	1.00
3. Each fixture unit	5.00
4. Additional fixtures	5.00
5. Sewer (new, extension, or replacement)	5.00
6. Water service	5.00
7. Installation, alteration, or repair of water piping and/or water Treating equipment, except in public right-of-way	5.00
8. Each inspection will be	5.00
9. Each additional inspection (after permit issuance)	7.00
10. Filled septic tank inspection	5.00
11. Re-inspection fee	25.00
12. Weekend, after hours inspections	First – hour - 50.00 Each additional hour – 25.00
13. Swimming pool, irrigation meter, fill inspection	20.00
14. Manufactured Building Act #81-706, Section V(8) Installation permit (this does not include plumbing site work)	50.00

**NOTE:** A separate permit shall be required for each building or tenant unit for shell buildings.

\*All roof drain and conductor pipes must be marked on permit.

\*All additional fixtures and inspections must be paid before release to Water Board or Letter of inspection is issued.

**Add R108.5.1 as follows:**

**R108.5.1 Fee refunds.** The Building Official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.
2. Not more than eighty percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than eighty percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

The Building Official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

**Amend Section R111 as follows:**

**Add R111.1.1 as follows:**

**R111.1.1 Connection of Electrical Service.** It shall be unlawful to use or permit the use of, or to supply current for electric wiring for light, heat or power in a building or structure unless the required certificate of approval has been issued; provided, however, the Electrical Official may in his/her discretion give temporary permission for a reasonable time to supply and use current in parts of an electrical installation before such installation has been fully completed and the Certificate of Approval issued.

**Add R111.3.1 as follows:**

**R111.3.1 Unsafe Electrical Installations.** Whenever existing electrical wiring or apparatus is found to be defective through improper installation, or for any other reason the installation is not safe because it does not meet the requirements of this code the Electrical Official shall serve the owner or occupant of the premises with a memorandum of the defects to be corrected and such owner or occupant shall have such defect corrected within ten days of service of such notice.

If any electrical wiring or apparatus in use or connected for use is found by the Electrical Official, or his duly authorized representatives, to be so defective or improper as to create a hazardous condition, he may disconnect the parts of the wiring or equipment, or require the company furnishing the electrical current to discontinue service to such electric system, at his discretion, and further notify said company furnishing the electric current to keep such service

discontinued until the wiring or equipment is made safe and he has reissued a certificate of approval.

Whenever the Electrical Official has reason to believe that the electrical wiring or electric equipment in any building is unsafe and dangerous, and the occupant of said building refuses to grant him entry for the purpose of making an examination, then the Electrical Official is authorized to disconnect the wires whereby electric current is furnished to said building, or to notify the company furnishing electric current to said building to discontinue furnishing the same until such time as he/she authorizes them to again furnish current to the building, and such action shall not prevent the prosecution of the occupant of the building for the violation of any other provision of this code.

**Amend Section R112 as follows:**

**Delete R112.1 – R112.4 Board of Appeals in its entirety and replace with the following:**

**R112.1 General.** There is hereby established a Board to be called the Board of Appeals, which shall consist of seven (7) members, who shall be the duly elected and qualified Council Members of the City of Mobile.

**R112.1.1 Rules and Regulations.** The Board shall establish rules and regulations for its own procedure not inconsistent with the provisions of this code. The Board shall meet at regular intervals, to be determined by the Chairman. In any event, the Board shall meet within 10 days after notice of appeal has been received. Every decision shall be promptly filed in writing in the office of the Building Official, and shall be open to public inspection, a certified copy shall be sent by mail or otherwise to the appellant and a copy shall be kept publicly posted in the office of the Building Official for two weeks after filing.

**Amend Section R113 as follows:**

**Add R113.1.1 as follows:**

**R113.1.1 Interference with Code Official.** It shall be unlawful for any person to interfere with the Code Official or any of his duly authorized representatives when they are performing any of their duties as set out in this Code or in other ordinances of the City of Mobile.

**Amend R113.4 as follows:**

**R113.4 Violation penalties.** Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs a building or structure in violation of the approve construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties ~~as prescribed by law~~ in accordance with Chapter 1 of the Mobile City Code.

**SECTION FIVE:** Chapter 2 of the 2000 International Residential Code shall be amended as follows:

**Amend Section R202 as follows:**

**Delete wording of R202 and replace with the following:**

**R202 Definitions.**

**INDIVIDUAL SEWAGE DISPOSAL SYSTEM.** ~~A system for disposal of sewage by means of a septic tank or mechanical treatment, designed for use apart from a public sewer to serve a single establishment or building.~~ A system of piping, treatment devices, pumps, alarms, or other facilities, or devices that convey, store, treat, or dispose of sewage on the property where it originates, or an adjacent or near by property under the legal ownership or legal easement in perpetuity of the same responsible person, where public sewer is not available.

**SANITARY SEWER.** Beginning three feet from the building or at the exit of the grinder pump, a sewer that carries sewage and excludes storm, surface and ground water.

**SECTION SIX:** Chapter 3 of the 2000 International Residential Code shall be amended as follows:

**Amend Section R301 as follows:**

**Amend Table R301.2(1) as follows:**

**Table R301.2(1). Climatic and Geographic Design Criteria:**

Roof snow load	N/A
Wind speed (mph)	130 mph - 3-second gust; 110 mph – Fastest mile
Seismic Design Category	N/A
Weathering	Negligible
Frost Line Depth	12”
Termite	Very Heavy
Decay	Moderate to severe
Winter Design Temperature	32 <sup>0</sup>
Flood Hazards	See Latest Adopted Flood Ordinance

**Amend Section R302 as follows:**

**Amend R302.2 by deleting Exception #1**

**R302.2 Openings.** Openings shall not be permitted in the exterior wall of a dwelling or accessory building with a fire separation distance less than 3 feet. This distance shall be measured perpendicular to the line used to determine the fire separation distance.

**Exceptions:**

- ~~1. Openings shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.~~
2. Foundation vents installed in compliance with this Code are permitted.

**Amend R302.3 by deleting Exception**

**R302.3 Penetrations.** Penetrations located in the exterior wall of a dwelling with a fire separation distance less than 3 feet shall be protected in accordance with Section R321.3.

**Exceptions:**

~~Penetrations shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.~~

**Amend Section R324 as follows:**

**Amend R324.2 as follows:**

**R324.2 Chemical Soil Treatment.** The concentration, rate of application and treatment method of the termiticide shall be consistent with and never less than the termiticide label. Where the floor is constructed of a concrete slab on grade, the Building Official may require soil treatment under the slab. It shall be the responsibility of the permit holder to provide a receipt from a licensed and bonded pest control specialist to certify soil treatment and materials used.

**SECTION SEVEN:** Appendix "E" of the 2000 International Residential Code shall be amended as follows:

**Amend Appendices as follows:**

**Amend Appendix AE304 by deleting the following:**

~~**AE304.3.3.2 Permit Fee paid when no work done.** The Building Official may authorize the refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with these provisions.~~

~~**AE304.3.3.3 Plan review fee.** The Building Official may authorize the refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan reviewing is done. The Building Official shall not authorize the refunding of any fee paid except upon written application by the original permittee not later than 180 days after the date of the fee payment.~~

**SECTION EIGHT:** Appendix “J” of the 2000 International Residential Code shall be amended as follows:

**Amend Section AJ101 by adding the following:**

**AJ101.4 Historic Buildings and Structures.** . Except as provided for herein, historic buildings, including those listed on the National Register of Historic Places or eligible for listing on the National Register of Historic Places, shall comply with the provisions of this code relating to the repair, renovation, alteration, restoration, reconstruction, movement and/or change of use of structures. Non-historic structures located within a designated Historic District are also subject to review by the Mobile Historic District Development Commission.

1. For purposes of applying this section, historic buildings shall include any building or structure that meets one or more of the following criteria:
  - i. Listed on the National Register of Historic Places; or
  - ii. Eligible for listing on the National Register of Historic Places.
2. Variations: Building owners wishing to use an alternative to compliance with specific provisions of this code shall submit request(s) for variations in writing. Requests for variation shall identify all nonconformities with the requirements of this code and shall include: a statement of the requirements of this code from which a variation is sought, a statement of the manner by which strict compliance with the provisions of this code would result in practical difficulties or would detract from the historic character of the building and statement of feasible alternatives to the requirements of this code that would adequately protect the health, safety, and welfare of the intended occupants and of the public generally.
  - i. The provisions for (Variations) notwithstanding, a variation may be granted where no feasible alternative to the strict requirements of the code exists, provided that the owner submits a finding by a qualified architect, or engineer if required by State law, that the feature of the building which cannot be brought into strict compliance with the requirements of this code is essential to maintaining the historical value and character of the building. Any such finding submitted in support of a variation application shall be in writing and shall state the basis and reasons for the finding.
  - ii. Variations to applicable barrier free requirements may be granted only if the historic character of the building would be threatened or destroyed as determined by the Building Official.
3. When a historic building is used as a historic museum, the building shall be classified as Use Group B provided that the following conditions are met:

i. A limit on occupancy, not to exceed 50, is set by the Building Official based on egress capacity and travel distance using the following parameters: 2000 International Building Code Table 1003.2.2.2.

For building with a single means of egress, occupancy shall be limited to the first and second floors, and the travel distance shall not exceed 75 feet;

Two means of egress shall be required from all floors above the second floor where occupancy is permitted.

ii. There is supervision by a guide or other employee or volunteer knowledgeable in the emergency exiting procedures during all times that visitors occupy the building.

4. Special provisions: Historic buildings undergoing repair, renovation, alteration, restoration, or reconstruction consistent with the U.S. Secretary of the Interior Standards for the Treatment of Historic Properties may comply with the following in lieu of compliance with the corresponding requirements of the IRC or the IBC .

i. Materials and methods: Original or replica materials and original methods of construction may be used, subject to the provisions of this section.

**Exception:** Components of building systems hidden from public view, including but not limited to electrical equipment and wiring, plumbing equipment and piping and heating equipment, building structural elements.

ii. Exterior walls: Exterior walls shall not be required to be modified to meet the requirements for fire-resistive wall construction.

iii. One-hour Fire-resistive Assemblies: Where one-hour fire-resistive construction is required by this code, it need not be provided regardless of construction or occupancy where the existing wall and ceiling finish is lath and plaster.

iv. Roof covering: The existing type of roof covering may be continued or replaced with the same materials or the preexisting materials may be replaced or restored if the materials are documented to be historic.

v. Means of Egress: Existing door openings and corridor and stairway widths of less than that specified in the 2000 International Building Code Table 1003.2.3 may be approved, provided that, in the opinion of the code official, there is sufficient width and height for a person to pass through the opening or traverse the exit.

vi. Doors: The existing front or main exit doors need not swing in the direction of exit travel when serving fewer than 50 people or when other approved exits having sufficient capacity to serve the total occupant load are provided.

**Door hardware:** Existing or replica hardware shall be permitted provided that no life safety hazard is created and that the hardware meets the intent of IBC or IRC code if applicable (i.e. operable without use of a key, tool or special knowledge). Existing or replica hardware may be fixed in place or modified to meet the intent of the IBC.

vii. Transoms: Existing transoms in corridors and other fire rated walls may be retained in accordance with this code.

viii. Interior Finishes: The existing finishes or replacement finishes on corridor walls and ceilings may be accepted where it is demonstrated that it is the historic finish.

In building other than Use Group R-3, finishes in exitways shall have a flame-spread classification of Class C or better. Existing nonconforming materials shall be surfaced with an approved fire-retardant paint or finish unless the building is equipped throughout with an automatic fire suppression system installed in accordance with the building code.

ix. Stairways: Stairways shall comply with the following:

a. Enclosure: Stairway enclosures may be omitted in a historic building for that portion of the stair serving the first and second floor. This provision shall be applied to only one stair per building.

In buildings of three stories or less, exit enclosure construction shall limit the spread of smoke by the use of tight fitting doors and solid elements. Such elements shall not require a fire resistance rating.

b. Stair height, riser height and tread width: When stairs are replaced or repaired, the existing or original stair height, riser height and tread width shall be permitted to remain.

x. Railings: Railings shall comply with the following:

a. Handrails: Existing handrails may remain or may be replaced with handrails matching the original handrails or original spacing shall be permitted to remain.

b. Guardrails: For vertical drops of 30 inches, an existing rail height of at least 30 inches shall be accepted and the existing or original baluster spacing shall be permitted to remain.

**Exception:** Replacement guardrails in buildings of Use Group R-3 shall comply with Section 315 of the IRC.

- xi. Exit Signs: The Building Official may accept alternate exit sign design and/or location where strict compliance would damage the historic character of the building. Alternative signs or emergency lighting shall identify the exits and exit path when required.
  - xii. Ceiling height: Existing ceiling heights shall be permitted to remain.
5. Relocated historic buildings:
- i. Foundations of relocated historic buildings and structures shall comply with the 2000 International Residential Code.
  - ii. Relocated historic buildings shall be so sited that exterior walls and openings comply with the requirements of the 2000 International Residential Code.
6. Special change of use provisions: Compliance with the following and with the provisions of (4) above shall be permitted for any change of use of a historic building provided that the restoration of the building is being performed consistent with the U.S. Secretary of the Interior Standards for the Treatment of Historic Properties.
- i. Building Area: The floor area for historic buildings undergoing a change of use to a higher hazard category as per IBC Table E of Section 503 may exceed the allowable areas specified in the building code for the proposed use group by fifty percent.
7. Additions to historic structures shall comply with IRC for new construction.

**AJ101.5 Unsafe Structures and Equipment.** All buildings or structures which are unsafe, unsanitary, or not provided with adequate egress, or which constitute a fire hazard, or are otherwise dangerous to human life, or which in relation to existing use constitutes a hazard to safety or health by reason of inadequate maintenance, dilapidation, obsolescence, or abandonment, are severally in contempt of this Section, Unsafe Buildings. All such unsafe buildings are hereby declared illegal and shall be abated by repair and rehabilitation or by demolition in accordance with the following procedure:

1. Whenever the Building Official shall find any building or structure or portion thereof to be unsafe, as defined in this Section, he shall, in accordance with established procedure for legal notice, as required by Alabama Act 140, 1971, as amended by Act 581, 1973, give the mortgagee(s), regulatory boards, the person last assessing the property for state taxes, and the owner, agent, or person in control of such building or structure written notice setting forth the defects thereof. This notice shall require the owner within a stated time either to complete specified repairs or improvements, or to demolish and remove the building or structure or portion hereof.
2. If necessary, such notice shall also require the building, structure or portion thereof to be vacated forthwith and not re-occupied until the specified repairs and improvements are completed, inspected and approved by the Building Official. The Building Official shall

cause to be posted at each entrance to such building a notice stating: **THIS BUILDING IS UNSAFE AND ITS USE OR OCCUPANCY HAS BEEN PROHIBITED BY THE BUILDING OFFICIAL.** Such notice shall remain posted until the required repairs are made or demolition is completed. It shall be unlawful for any person, firm or corporation or their agents, or other servants, to remove such notice without written permission of the Building Official, or for any person to enter the building except for the purpose of making the required repairs or of demolishing same.

3. The mortgagee(s), regulatory boards, last person assessing for state taxation, and if other than those listed, the owner, agent or person in control shall have the right, except in cases of emergency, to appeal from the decision of the Building Official, as provided hereinafter, and to appear before the Board of Appeals at a specified time and place to show cause why he should not comply with said notice.

4. In case the mortgagee(s), regulatory boards, last person assessing for state taxation, and the owner, agent or person in control cannot be found within the stated time limit, or, if such owner, agent or person in control shall fail, neglect or refuse to comply with notice to repair, rehabilitate or to demolish and remove said building or structure or portion thereof, the Building Official, after having ascertained the cost, shall cause such building or structure or portion thereof, to be secured or required to remain vacant in accord with Section 102.4.a.1, and/or demolished in accord with Alabama Act 140, 1971.

5. The decision of the Building Official shall be final in cases of emergency which, in his/her opinion, involve imminent danger to human life or health. He shall promptly cause such building, structure or portion thereof to be made safe or cause its removal. For this purpose he may at once enter such structure or land on which it stands, or abutting land or structures, with assistance and at such cost as he may deem necessary. He may order the vacation of adjacent structures and may require the protection of the public by appropriate fence or such other means as may be necessary and for this purpose may close a public or private way.

6. Costs included under Paragraphs 103.4(a) and 103.4(a)(5) of Alabama Act 140, 1971 shall be charged to the owner of the premises involved and shall be collected in the manner provided by law.

7. The provisions of this code shall not be held to deprive any Federal or State agency, or any applicable governing authority having jurisdiction, of any power or authority.

**SECTION NINE:** Chapter 13 of the 2000 International Residential Code shall be amended as follows:

**Amend Section M1301 as follows:**

**Amend M1301.1 as follows:**

**M1301.1 Scope.** The provisions of this chapter shall govern the installation of mechanical systems not specifically covered in other chapters applicable to mechanical systems.

Installations of mechanical appliances, equipment and systems not addressed by this code shall comply with the applicable provisions of the International Mechanical Code and the International Fuel Gas Code.

**SECTION TEN:** Chapter 14 of the 2000 International Residential Code shall be amended as follows:

**Delete Section M1408 – Vented Floor Furnaces in its entirety**

~~**M1408.1 General.** Vented floor furnaces shall conform to ANSI/UL 729 and be installed in accordance with their listing, the manufacturer's installation instructions and the requirements of this code.~~

~~**M1408.2 Clearances.** Vented floor furnaces shall be installed in accordance with their listing and the manufacturer's installation instructions.~~

~~**M1408.3 Location.** Location of floor furnaces shall conform to the following requirements:~~

- ~~1. Floor registers of floor furnaces shall be installed not less than 6 inches (152 mm) from a wall.~~
- ~~2. Wall registers of floor furnaces shall be installed not less than 6 inches (152 mm) from the adjoining wall at inside corners.~~
- ~~3. The furnace register shall be located not less than 12 inches (305 mm) from doors in any position, draperies or similar combustible objects.~~
- ~~4. The furnace register shall be located at least 5 feet (1524 mm) below any projecting combustible materials.~~
- ~~5. The floor furnace burner assembly shall not project into an occupied under floor area.~~
- ~~6. The floor furnace shall not be installed in concrete floor construction built on grade.~~
- ~~7. The floor furnace shall not be installed where a door can swing within 12 inches (305mm) of the grill opening.~~

~~An opening in the foundation not less than 18 inches by 24 inches (457 mm by 610 mm), or a trap door not less than 22 inches by 30 inches (559 mm by 762 mm) shall be provided for access to a floor furnace. The opening and passageway shall be large enough to allow replacement of any part of the equipment.~~

~~Floor furnace installations shall conform to the following requirements:~~

- ~~1. Thermostats controlling floor furnaces shall be located in the room in which the register of the floor furnace is located.~~
- ~~2. Floor furnaces shall be supported independently of the furnace floor register.~~
- ~~3. Floor furnaces shall be installed not closer than 6 inches (152 mm) to the ground. Clearance may be reduced to 2 inches (51 mm), provided that the lower 6 inches (152) of the furnace is sealed to prevent water entry.~~

4. ~~Where excavation is required for a floor furnace installation, the excavation shall extend 30 inches (762 mm) beyond the control side of the floor furnace and 12 inches (305 mm) beyond the remaining sides. Excavations shall slope outward from the perimeter of the base of the excavation to the surrounding grade at an angle not exceeding 45 degrees (0.39 rad) from horizontal.~~
5. ~~Floor furnaces shall not be supported from the ground.~~

### **Delete Section M1409 – Vented Wall Furnaces in its entirety**

**M1409.1 General.** ~~Vented wall furnaces shall conform to ANIS/US 730 and be installed in accordance with their listing, the manufacturer's installation instructions and the requirements of this code.~~

**M1409.2 Location.** ~~The location of vented wall furnaces shall conform to the following requirements:~~

1. ~~Vented wall furnaces shall be located so as not to cause a fire hazard to walls, floors, combustible furnishings or doors. Vented wall furnaces installed between bathrooms and adjoining rooms shall not circulate air from bathrooms to other parts of the building.~~
2. ~~Vented wall furnaces shall not be located where a door can swing within 12 inches (305mm) of the furnace air inlet or outlet measured at right angles to the opening. Doorstops or door closers shall not be installed to obtain this clearance.~~

**M1409 Installation.** ~~Vented wall furnace installations shall conform to the following requirements:~~

1. ~~Required wall thicknesses shall be in accordance with the manufacturer's installation instructions.~~
2. ~~Ducts shall not be attached to a wall furnace. Casing extensions or boots shall only be installed when listed as part of a listed and labeled appliance.~~
3. ~~A manual shut off valve shall be installed ahead of all controls.~~

**M1409.4 Access.** ~~Vented wall furnaces shall be provided with access for cleaning of heating surfaces; removal of burners; replacement of sections, motors, controls, filters and other working parts; and for adjustments and lubrication of parts requiring such attention. Panels, grilles and access doors that must be removed for normal servicing operations shall not be attached to the building construction.~~

### **Delete Section M1410 – Vented Room Heaters in its entirety**

**M1410.1 General.** ~~Vented room heaters shall be tested in accordance with UL 1482 or UL 896 and installed in accordance with their listing, the manufacturer's installation instructions and the requirements of this code.~~

~~**M1410.2 — Floor mounting.** Room heaters shall be installed on noncombustible floors or approved assemblies constructed of noncombustible materials that extend at least 18 inches (457 mm) beyond the appliance on all sides.~~

**Exceptions:**

- ~~1. Listed room heaters shall be installed on noncombustible floors, assemblies constructed of noncombustible materials or listed floor protectors with materials and dimensions in accordance with the appliance manufacturer's instructions.~~
- ~~2. Room heaters listed for installation on combustible floors without floor protection shall be installed in accordance with the appliance manufacturer's instructions.~~

**Amend Section 1411 Refrigeration Cooling Equipment as follows:**

**Delete M1411.3.1.2 in its entirety**

~~**M1411.3.1.2.** A separate overflow drain line shall be connected to the drain pan provided with the equipment. Such overflow drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection.~~

**Delete M1411.3.1.3 in its entirety**

~~**M1411.3.1.3** An auxiliary drain pan without a separate drain line shall be provided under the coils on which condensate will occur. Such pan shall be equipped with a water level detection device that will shut off the equipment served prior to overflow of the pan. The auxiliary drain pan shall be constructed in accordance with Item 1 of this section.~~

**Delete Section 1414 Fireplace Stoves in its entirety:**

~~**M1414.1 — General.** Fireplace stoves shall be listed, labeled and installed in accordance with the terms of the listing. Fireplace stoves shall be tested in accordance with UL737.~~

~~**M1414.2 — Hearth extensions.** Hearth extensions for fireplace stoves shall be installed in accordance with the listing of the fireplace stove. The supporting structure for a hearth extension for a fireplace stove shall be at the same level as the supporting structure for the fireplace unit. The hearth extension shall be readily distinguishable from the surrounding floor area.~~

**SECTION ELEVEN:** Chapter 20 of the 2000 International Residential Code shall be amended as follows:

**Delete Section M2005 in its entirety:**

~~**M2005 — Water Heaters**~~

~~**M2005.1 — General.** Water heaters shall be installed in accordance with the manufacturer's installation instructions and the requirements of this code. Water heaters installed in an attic~~

~~shall conform to the requirements of Section M1305.1.3. Gas fired water heaters shall conform to the requirements in Chapter 24. Domestic electric water heaters shall conform to UL 174 or UL 1453. Commercial electric water heaters shall conform to UL 1453. Oiled fired water heaters shall conform to UL 732.~~

~~**M2005.2 Prohibited locations.** Fuel fired water heaters shall not be installed in a room used as a storage closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that combustion air will not be taken from the living space. Direct vent water heaters are not required to be installed within an enclosure.~~

~~**M2005.2.1 Water heater access.** Access to water heaters that are located in an attic or underfloor crawl space is permitted to be through a closet located in a sleeping room or bathroom where ventilation of those spaces is in accordance with this code.~~

~~**M2005.3 Electric water heaters.** Electric water heaters shall also be installed in accordance with the applicable provisions of Chapters 33 through 42.~~

~~**M2005.4 Supplemental water-heating devices.** Potable water heating devices that utilize refrigerant to water heat exchangers shall be approved and installed in accordance with the manufacturer's installation instructions.~~

**SECTION TWELVE:** Chapter 24 of the 2000 International Residential Code shall be amended as follows:

**Delete Chapter 24 Fuel Gas in its entirety.**

**SECTION THIRTEEN:** Chapter 25 of the 2000 International Residential Code shall be amended as follows:

**Add Section P2502.3 as follows:**

**P2502.3 Abandoned equipment.** All septic tanks and cess pools shall be pumped and filled, by the permit holder, when connecting to an existing public sewer system.

**Amend Section P2503 as follows:**

**Delete P2503.4 in its entirety:**

~~**P2503.4 Building sewer testing.** The building sewer shall be tested by insertion of a test plug at the point of connection with the public sewer and filling the building sewer with water, testing with not less than a 10 foot (3048 mm) head of water and be able to maintain such pressure for 15 minutes.~~

**Amend P2503.5.1 as follows:**

**P2503.5.1 Rough plumbing.** DWV systems shall be tested on completion of the rough piping installation by water or air with no evidence of leakage. Either test shall be applied to the drainage system in its entirety or in sections after rough piping has been installed, as follows:

1. Water test. Each section shall be filled with water to a point not less than ~~40~~ 5 feet (~~3048 mm~~) (1524 mm) above the highest fitting connection in that section, or to the highest point in the completed system. Water shall be held in the section under test for 15 minutes before inspection. The system shall prove leak free by visual inspection.
2. Air test. The portion under test shall be maintained at a gauge pressure of 5 psi (34kPa) or 10 inches of mercury column (2488 Pa). This pressure shall be held without introduction of additional air for a period of 15 minutes.

**Amend P2503.6 by adding a Note as follows:**

**P2503.6 Water-supply system testing.** Upon completion of the water-supply system or a section thereof, the system, or portion completed, shall be tested and proved tight under a water pressure not less than the working pressure of the system; or, for piping systems other than plastic, by an air test of not less than 50 psi (344 kPa). The water used for tests shall be obtained from a potable water source.

**NOTE: All plastic piping shall be tested as per manufacturer's recommendation.**

**Delete P2503.7 in its entirety:**

~~**P2503.7** — **Inspection and testing of backflow prevention devices.** Inspection and testing of backflow prevention devices shall comply with Section P2503.1.1 and Section P2503.7.2.~~

~~**P2503.7.1** — **Inspections.** Inspections shall be made of all backflow prevention assemblies to determine whether they are operable.~~

~~**P2503.7.2** — **Testing.** Reduced pressure principle backflow preventers, double check valve assemblies, double detector check valve assemblies and pressure vacuum breaker assemblies shall be tested at the time of installation, immediately, after repairs or relocation and at least annually.~~

**SECTION FOURTEEN:** Chapter 26 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P2601 as follows:**

**Add P2601.3 as follows:**

**P2601.3 Basic Principles.** The basic principles of this code are enunciated as basic goals in environmental sanitation worthy of accomplishment through properly designed, acceptably installed, and adequately maintained plumbing systems. Some of the details of plumbing construction must vary, but the basic sanitary and safety principles are the same. The principles may serve to define the intent.

**Add P2601.3.1 as follows:**

**P2601.3.1 Principle No. 1.** All buildings, structures and premises intended for human habitation, occupancy, use for employment, or the preparation or processing of food, drinks or other materials for human consumption shall be provided with an adequate, safe, and potable water supply through a safe system of piping to all fixtures, appliances, appurtenances, etc.

**Add P2601.3.2 as follows:**

**P2601.3.2 Principle No. 2.** Every building having plumbing fixtures installed and intended for human habitation, occupancy, or use on premises abutting on a street, alley, or easement in which there is a public sewer shall have a separate connection with the sewer.

**Add P2601.3.3 as follows:**

**P2601.3.3 Principle No. 3.** A dwelling type building provided with a drainage system, a public sewer connection or a private sewage disposal system, shall have at least one water closet, one bathtub or shower, one lavatory, one kitchen-type sink, and an adequate source of hot water for each family unit to meet minimum basic requirements for health, sanitation, and personal hygiene. Water heating facilities shall be accessible for emergency maintenance without entering any individual apartment or living unit, except that water heaters may be located within an apartment or living unit when supplying hot water to that unit only. All other buildings, structures, or premises intended for human occupancy or use shall be provided with adequate sanitary facilities, as may be required, but not less than one water closet and one hand-washing lavatory.

**Add P2601.3.4 as follows:**

**P2601.3.4 Principle No. 4.** Plumbing fixtures shall be made of smooth non-absorbent material, shall be free from concealed fouling surfaces, and shall be located in ventilated enclosures.

**Add P2601.3.4 as follows:**

**P2601.3.5 Principle No. 5.** Each fixture directly connected to the drainage system shall be equipped with a water-seal trap.

**Add P2601.3.6 as follows:**

**P2601.3.6 Principle No. 6.** No substance, which will clog the pipes, produce explosive mixtures, destroy the pipes or their joints, or interfere unduly with the sewage disposal process, shall be allowed to enter the building drainage system.

**Add P2601.3.7 as follows:**

**P2601.3.7 Principle No. 7.** Proper protections shall be provided to prevent contamination of food, water, sterile goods, and similar materials by backflow of sewage. When necessary, the fixture, device or appliance shall be connected indirectly with the building drainage system.

**Add P2601.3.8 as follows:**

**P2601.3.8 Principle No. 8.** No water closet shall be located in a room or compartment, which is not properly lighted and ventilated.

**Add P2601.3.9 as follows:**

**P2601.3.9 Principle No. 9.** If water closets or other plumbing fixtures are installed in buildings where there is no sewer within a reasonable distance, suitable provision shall be made for disposing of the building sewage by some accepted method of sewage treatment and disposal.

**Add P2601.3.10 as follows:**

**P2601.3.10 Principle 10.** Where a plumbing drainage system may be subject to backflow of sewage, suitable provisions shall be made to prevent its overflow in the building.

**Add P2601.3.11 as follows:**

**P2601.3.11 Principle No. 11.** Plumbing shall be installed with due regard to preservation of the strength of structural members and prevention of damage to walls and other surfaces through fixture usage.

**Add P2601.3.12 as follows:**

**P2601.3.12 Principle No. 12.** Sewage or other waste from a plumbing system, which may be deleterious to surface or subsurface waters, shall not be discharged into the ground or into any waterway unless it has first been rendered innocuous through subjection to some acceptable form of treatment.

**Add P2601.3.13 as follows;**

**P2601.3.13 Principle No. 13.** All plumbing fixtures, devices, appliances, and appurtenances shall be adequately supplied with water in sufficient volume and pressure to enable them to function properly.

**Add P2601.3.14 as follows:**

**P2601.3.14 Principle No. 14.** The pipes conveying water to plumbing fixtures, appliances, devices and appurtenances shall be of sufficient size as to supply water at rates that will prevent undue pressure drops at any one fixture, when any other fixture, appliance, device or appurtenance, or group, is being flushed, operated or used.

**Add P2601.3.15 as follows:**

**P2601.3.15 Principle No. 15.** There shall be no direct or indirect cross connections, either existing or potential, between a safe potable water supply and an unsafe, nonpotable supply. No private water well shall be connected by any means to the public water supply.

**Add P2601.3.16 as follows:**

**P2601.3.16 Principle No. 16.** Adequate protection shall be provided to prevent possible backflow or back siphonage of an unsafe or potentially hazardous fluid or material into a safe water system.

**Add P2601.3.17 as follows:**

**P2601.3.17 Principle No. 17.** The piping and connections of the plumbing system shall be of durable materials, free from defects in workmanship and materials, and systems shall be designed and constructed to provide adequate service for a reasonable life under stresses imposed by structural loading temperature variation and other conditions.

**Add P2601.3.18 as follows:**

**P2601.3.18 Principle No. 18.** Devices for heating and storing water shall be designed and installed to prevent all danger from overheating and explosion and to prevent undue flow of hot water or steam into the cold water supply pipes.

**Add P2601.3.19 as follows:**

**P2601.3.19 Principle No. 19.** Refrigerators, coolers, receptacles, sterilizers, vats, and similar equipment used for storing or holding foods, beverages, sterile goods, and water conditioning equipment, etc., shall discharge into the building drainage system through an indirect waste.

**Add P2601.3.20 as follows:**

**P2601.3.20 Principle No. 20.** Water closets, bathtubs, showers, urinals, and similar fixtures shall be suitably enclosed and screened for privacy.

**Add P2601.3.21 as follows:**

**P2601.3.21 Principle No. 21.** Plumbing systems, including fixtures, shall be maintained in sanitary conditions and proper working order.

**Add P2601.3.22 as follows:**

**P2601.3.22 Principle No. 22.** Sewage and wastes from plumbing and drainage systems shall be adequately treated and disposed of in accordance with the requirements of the Plumbing Official.

**Amend Section P2602 Individual Water Supply and Sewage Disposal as follows:**

**Amend P2602.1 by rewording as follows:**

**P2602.1 General.** ~~The water distribution and drainage system of any building or premises where plumbing fixtures are installed shall be connected to a public water supply or sewer system, respectively, if available. When either a public water supply or sewer system, or both, are not available, or connection thereto is not feasible, an individual water supply or individual (private) sewage disposal system, or both, shall be provided.~~ Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available. An approved private sewage disposal system in accordance with Alabama Department of Public Health rules shall be required where public sewer is not available.

**Exception:** At time of adoption of this code, existing private sewage systems shall be allowed to remain in use until failure or repairs are necessary. Then connection to public sewer shall be required if it is available.

**Amend Section P2603 as follows:**

**Add P2603.8 as follows:**

**P2603.8 Sewer depth.** Building sewers that connect to private sewage disposal systems shall be a minimum of schedule 40 and have a minimum of 12 inches (305 mm) cover at the point of grease trap or septic tank connection. Building sewers, less than schedule 40, that connect to public sewage systems shall have a minimum of 18 inches (458 mm) cover, and shall not be placed under driveways or parking lots.

**Amend Section P2608 Material Evaluation and Listing as follows:**

**Amend P2608.1 by adding note as follows:**

**P2608.1 General. Add note below:**

**NOTE:** Acrylonitrile Butadiene Styrene (ABS) piping and fittings shall not be allowed.

**SECTION FIFTEEN:** Chapter 27 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P2706 Waste Receptors as follows:**

**Amend P2706.1 by adding a note as follows:**

**P2706.1 General – Add note below:**

**NOTE:** Waste receptors shall not be installed in any room, compartment, or area that is being used as an air plenum.

**Amend Section P2717 Dishwashing Machines as follows:**

**Amend P2717.1 by adding a note as follows:**

**P2717.1 Protection of water supply.** The water supply for dishwashers shall be protected by an air gap or integral backflow preventor.

**NOTE:** If dishwasher drain is elevated to flood level rim of sink, backflow preventor is not required.

**Amend P2717.2 as follows:**

**P2717.2 Sink and dishwasher.** A sink and dishwasher are permitted to discharge through a single 1.5 2 inch (~~38 mm~~) (48 mm) trap. The discharge pipe from the dishwasher shall be increased to a minimum of 0.75 inch (19.1 mm) in diameter and shall be connected with a wye fitting to the sink tail piece. The dishwasher waste line shall rise and be securely fastened to the underside of the counter before connecting to the sink tail piece.

**SECTION SIXTEEN:** Chapter 28 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P2801 as follows:**

**Amend P2801.2 in its entirety.**

**P2801.2 Installation.** Water heaters shall be installed in accordance with this chapter ~~and Chapters 20 and 24.~~

**Amend P2801.3 as follows:**

**P2801.3 Location.** Water heaters and storage tanks shall be located and connected so as to provide ready access for observation, maintenance, servicing and replacement.

**Amend P2801.4 as follows:**

**P2801.4 Prohibited locations.** ~~Water heaters shall be located in accordance with Chapter 20.~~ Gas-fired water heaters shall not be installed in a sleeping room, bathroom, or a closet

accessed through a sleeping room or bathroom. Nor shall a gas-fired water heater be located in any room used as an air plenum.

**Add P2801.4.1 as follows:**

**P2801.4.1 Water heaters installed in attics.** Attics containing a water heater shall be provided with a readily accessible opening and unobstructed passageway large enough to allow removal of the water heater. The passageway shall not be less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 20 feet (6096 mm) in length when measured along the centerline of the passage way from the opening to the water heater. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space at least 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the water heater. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm) where such dimensions are large enough to allow removal of the water heater.

**Amend P2801.5 as follows:**

**P2801.5 Required pan.** Where water heaters or hot water storage tanks are installed in locations where leakage of the tanks or connections will cause damage, the tank or water heater shall be installed in a galvanized steel pan having a minimum thickness of 24 gauge (0.016 inch) (0.4 mm) or other ~~pan~~ AGA approved pans.

**Amend P2801.5.1 as follows:**

**P2801.5.1 Pan size and drain.** The pan shall be not less than 1.5 inches (38 mm) deep and shall be of sufficient size and shape to receive all dripping and condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a minimum diameter of  $\pm$  1.5 inch (40 mm) ~~(25.4 mm)~~ or the outlet diameter of the relief valve, whichever is larger.

**Add P2801.7 as follows**

**P2801.7 Minimum capacities.** Water heaters installed in residential occupancies shall be sized in accordance with Table 506.

**Table 506**  
**Minimum Capacities for Water heater<sup>1</sup>**

FUEL	ELEC			ELECT			ELEC			ELECT		
	GAS	T.	OIL	GAS	.	OIL	GAS	T.	OIL	GAS	.	OIL
NUMBER OF BEDROOMS		1			2			3				
Storage (gph)	20	20	30	30	30	30	30	40	30			
Input	24	2.5	70	36	3.5	70	36	4.5	70			
Draw (gph)	43	30	89	60	44	89	60	58	89			
Recovery (gph)	23	10	59	30	14	59	30	18	59			
NUMBER OF BEDROOMS		2			3			4			5	
Storage (gphh)	30	40	30	40	50	30	40	50	30	50	66	30
Input	36	4.5	70	36	5.5	70	38	5.5	70	47	5.5	70
Draw (gph)	60	58	89	70	72	89	72	72	89	90	88	89
Recovery (gph)	30	18	59	30	22	59	32	22	59	40	22	59
NUMBER OF BEDROOMS		3			4			5			6	
Storage (gph)	40	50	30	50	66	30	50	66	30	50	80	40
Input	38	5.5	70	38	5.5	70	47	5.5	70	50	5.5	70
Draw (gph)	72	72	89	82	88	89	90	88	89	92	102	99
Recovery (gph)	32	22	59	32	22	59	40	22	59	42	22	59

1gph = 1.05 mL/s

**Note:**

1. Storage capacity, input and the recovery requirements indicated in the table are typical and may vary with each individual manufacturer. Any combination of these requirements to produce the 1 hour draw stated shall be satisfactory. Recovery is based on 100°F (37.8°C) water temperature rise. The input rating is in units of one thousand Btus per hour for gas and oil, and one thousand watts per hour for electric.

**Example:** For a 3-bedroom, 2 bath residence there are three choices as follows: A 40 gal storage/30gph recovery gas heater; a 50 gal storage/22gph recovery electric heater; or a 30 gal storage/59gph recovery oil heater; or an equivalent combination which will produce at least a 70 gph total draw.

**Add P2801.8 as follows:**

**P2801.8 Shutdown.** A means of disconnecting an electric hot water supply system from its power supply shall be provided in accordance with the 1999 NEC Electrical Code. A separate valve shall be provided to shut off the fuel supply to all other types of hot water supply systems. Required electrical disconnect and fuel shut off shall be located within 5 feet (1524 mm) of the water heater with identifying label.

**SECTION SEVENTEEN:** Chapter 29 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P2902 Protection of Potable Water Supply as follows:**

**Amend P2902.1 as follows:**

**P2902.1 General.** A potable water supply system shall be designed and installed in such a manner as to prevent contamination from nonpotable liquids, solids or gases being introduced

into the potable water supply. Connections shall not be made to a potable water supply in a manner that could contaminate the water supply or provide a cross-connection between the supply and source of contamination ~~unless an approved backflow prevention device is provided~~. Cross-connections between an individual water supply and a potable public water supply shall be prohibited.

**Amend P2902.4.3 as follows:**

**P2902.4.3 Lawn irrigation systems.** The potable water supply to lawn irrigation systems shall be protected against backflow by ~~an atmospheric type vacuum breaker, a pressure type vacuum breaker or~~ a reduced pressure principle backflow preventer. ~~A valve shall not be installed downstream from an atmospheric vacuum breaker.~~ Double check backflow preventer with dual cutoffs meeting ASTM 1015 shall be required. All devices shall be installed in accordance with manufacturer's installation instructions.

**Amend Section P2903 as follows:**

**Add P2903.7.1 as following:**

**P2903.7.1 Size of water service pipe and fixtures.** The water service pipe and fixtures shall be sized to supply water to the structure in the quantities and at the pressures required by this code. The minimum inside diameter of the water service shall be ¾ inch (19.1mm).

**Add P2903.7.2 as follows:**

**P2903.7.2 Fittings.** All service lines with insert fittings having less than ¾ inch (19.1mm) inside diameter shall require a minimum of 1 inch (25.4mm) pipe to the first manifold.

**Add P2903.7.3 as follows:**

**P2903.7.3 Water service near sources of pollution.** Potable water services pipes shall be separated from septic tanks, and septic tank disposal fields in accordance with Alabama Department of Public Health (ADPH) rules. See section 605.2 for soil and ground water conditions.

**Add P2903.7.3.1 as follows:**

**P2903.7.3.1 Soil and ground water.** The installation of a water service pipe shall be prohibited in soil and ground water contaminated with solvents, fuels, organic compounds or other detrimental materials causing permeation, corrosion, degradation or structural failure of the piping material. Where detrimental conditions are suspected, a chemical analysis of the soil and ground water conditions shall be required to ascertain the acceptability of the water service material for the specific installation. Where detrimental conditions exist, approved alternative materials or routing shall be required.

**Add P2903.7.4 as follows:**

**P2903.7.4 Water distribution system design criteria.** The water distribution system shall be designed, and pipe and fitting sizes shall be selected such that under conditions of peak demand, the capacities at the fixture supply pipe outlets shall not be less than shown in Table 2903.1. The minimum flow rate and flow pressure provided to the fixtures and appliances not listed in table 2903.1 shall be in accordance with manufacturer’s installation instructions.

**Add P2903.7.5 as follows:**

**P2903.7.5 Size of fixture supply.** The minimum size of a fixture supply pipe and fittings shall be shown in Table 2903.7.5. The fixture supply pipe shall not terminate more than 30 inches (762mm) from the point of connection to the fixture. A reduced size flexible connector installed between the supply pipe and the fixture shall be of an approved type. The supply pipe shall extend to the floor or wall adjacent to the fixture. The minimum size of individual distribution lines and fittings utilized in parallel water distribution systems shall be as shown in Table 2903.7.5.

**Add P2903.7.5 Table as follows:**

**TABLE 2903.7.5  
MINIMUM SIZES OF FIXTURE WATER SUPPLY PIPES**

FIXTURE	MINIMUM PIPE SIZE (inch)
Bathtubs (60" x 32" and smaller) <sup>a</sup>	½
Bathtubs (larger than 60" x32")	½
Bidet	3/8
Combination sink and tray	½
Dishwasher, domestic <sup>a</sup>	½
Drinking fountain	3/8
Hose bibbs	½
Kitchen sink <sup>a</sup>	½
Laundry, 1, 2 or 3 compartments	½
Lavatory	3/8
Shower, single head <sup>a</sup>	½
Sinks, flushing rim	¾
Sinks, service	½
Urinal, flush tank	½
Urinal, flush valve	¾
Wall hydrant	½
Water closet, flush tank	3/8
Water closet, flush valve	1
Water closet, flushometer tank	3/8
Water closet, one piece <sup>a</sup>	½

For SI: 1 inch – 25.4 mm, 1 foot – 304.8 mm, 1 psi = 6.895 kPa.

a. Where the developed length of the distribution line is 60 feet or less, and the available pressure at the meter is a minimum of 35 psi, the minimum size of an individual distribution line supplied from a manifold and installed as part of a parallel water distribution system shall be one nominal tube size smaller than the sizes indicated.

**Add P2903.7.6 as follows:**

**P2903.7.6 Manifold sizing.** Hot water and cold water manifolds and fittings shall be sized in accordance with Table 2903.7.6. The total gallons per minute is the demand of all outlets supplied.

**NOTE:** This section is for reference only, water supplies are regulated by Alabama Department of Environmental Management (ADEM).

**Add P2903.7.6 Table as follows:**

**TABLE P2903.7.6  
MANIFOLD SIZING**

NOMINAL SIZE INTERNAL DIAMETER (inches)	MAXIMUM DEMAND (gpm)	
	Velocity at 4 feet per second	Velocity at 8 feet per second
½	2	5
¾	6	11
1	10	20
1 ¼	15	31
1 ½	22	44

For SI: 1 inch – 25.4 mm, 1 gallon per minute = 3.785 L/m, 1 foot per second = 0.305 m/s.

**Add Note to P2903.8.6 as follows:**

**P2903.8.6 Valving. Add note below:**

**NOTE:** Shutoff valves shall be installed in the following locations:

1. On the fixture supply to all fixtures.
2. On the water supply pipe to each appliance or mechanical equipment.

**Exception:** Shutoff valves shall not be required for concealed valves.

**Add P2903.8.6.1 as follows:**

**P2903.8.6.1 Access to valves.** Access shall be provided to all required full-open valves and shut off valves, with a minimum 6 inch (152mm) access.

**Add P2903.9 as follows:**

**P2903.9 Protection of individual water supplies.** An individual water supply shall be located and constructed so as to be safeguarded against contamination in accordance with 2903.9.1 through 2903.9.8.

**NOTE:** This section is for reference only, water supplies are regulated by the Alabama Department of Environmental Management (ADEM).

**Add P2903.9.1**

**P2903.9.1 Well locations.** A potable ground water source or pump suction line shall not be located closer to potential sources of contamination than the distances shown in Table 2903.9.1. In the event the underlying rock structure is limestone or fragmented shale, the local or state health department shall be consulted on well site location. The distances in Table 2903.9.1 constitute minimum separation and shall be increased in areas of creviced rock or limestone, or where the direction of movement of the ground water is from sources of contamination toward the well.

**Add Table P2903.9.1 as follows:**

**TABLE 2903.9.1  
DISTANCE FROM SOURCES OF CONTAMINATION TO  
PRIVATE WATER SUPPLIES AND PUMP SUCTION LINES**

<b>SOURCE OF CONTAMINATION</b>	<b>DISTANCE (feet)</b>
Barnyard	100
Farm silo	25
Pasture	100
Pump house floor drain of cast iron draining to ground surface	2
Seepage pits	100
Septic tank	50
Sewer	10
Subsurface disposal	100
Subsurface pits	100

For SI: 1 foot = 304.8 mm.

**Add P2903.9.2 as follows:**

**P2903.9.2 Elevation.** Well sites shall be positively drained and shall be at height elevations than potential sources of contamination.

**Add P2903.9.3 as follows:**

**P2903.9.3 Depth.** Private potable well supplies shall not be developed from a water table less than 10 feet (3048 mm) below the ground surface.

**Add P2903.9.4 as follows:**

**P2903.9.4 Water-tight casings.** Each well shall be provided with a water-tight casing to a minimum distance of 10 feet (3048 mm) below the ground surface. All casings shall extend at least 6 inches (152 mm) above the well platform. The casing shall be large enough to permit installation of a separate drop pipe. Casings shall be sealed at the bottom in an impermeable stratum or extend several feet into the water-bearing stratum.

**Add P2903.9.5 as follows:**

**P2903.9.5 Drilled or driven well casings.** Drilled or driven well casings shall be of steel or other approved material. Where drilled wells extend into a rock formation, the well casing shall extend to and set firmly in the formation. The annular space between the earth and the outside of the casing shall be filled with cement grout to a minimum distance of 10 feet (3048 mm) below the ground surface. In an instance of casing to rock installation, the grout shall extend to the rock surface.

**Add P2903.9.6 as follows:**

**P2903.9.6 Dug or bored well casings.** Dug or bored well casings shall be of water-tight concrete, tile, or galvanized or corrugated metal pipe to a minimum distance of 10 feet (3048 mm) below the ground surface. Where the water table is more than 10 feet (3048 mm) below the ground surface, the water-tight casing shall extend below the table surface. Well casings for dug wells or bored wells constructed with sections of concrete, tile, or galvanized or corrugated metal pipe shall be surrounded by 6 inches (152 mm) of grout poured into the hole between the outside of the casing and the ground to a minimum depth of 10 feet (3048 mm).

**Add P2903.9.7 as follows:**

**P2903.9.7 Cover.** Every potable water well shall be equipped with an overlapping water-tight cover at the top of the casing well or pipe sleeve such that contaminated water or other substances are prevented from entering the well through the annular opening at the top of the well casing, wall or pipe sleeve. Covers shall extend downward at least 2 inches (51 mm) over the outside of the well casing or wall. A dug well cover shall be provided with a pipe sleeve permitting the withdrawal of the pump suction pipe, cylinder or jet body without disturbing the cover. Where pump sections or discharge pipes enter or leave a well through the side of the casing, the circle of contact shall be water tight.

**Add P2903.9.8 as follows:**

**P2903.9.8 Drainage.** All potable water wells and springs shall be constructed such that surface drainage will be diverted away from the well or spring.

**Amend P2904 as follows:**

**Amend Table P2904.4.1 as follows:**

**Table P2904.4.1 Water Service, Supply and Distribution Piping.** Delete lines one and two, which refer to ABS plastic pipe. ABS piping shall not be allowed.

**Add Note to P2904.5 as follows:**

**P2904.5 Water-distribution pipe.** Add note below:

**NOTES:**

1. Acrylonitrile Butadiene Styrene (ABS) piping and fittings shall not be allowed.
2. All galvanized steel pipe shall be accessible.

**SECTION EIGHTEEN:** Chapter 30 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P3001 as follows:**

**Add P3001.3 as follows:**

**P3001.3 Drainage and vent water test.** A Water test shall be applied to the drainage system either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system shall be filled with water to a point of overflow. If the system is tested in sections, each opening shall be tightly plugged except the highest openings of the section under test, and each section shall be filled with water, but no section shall be tested with less than 5 feet (1524mm) head of water. In testing successive sections, at least the upper 5 feet (1524mm) of the next preceding section shall be tested so that no joint or pipe in the building, except the uppermost 5 feet (1524mm) of the system shall have been submitted to a test of less than 5 feet (1524mm) head of water. The water shall be kept in the system, or in the portion under test, for at least 15 minutes before inspection starts. The system shall then be tight at all points.

**Add P3001.4 as follows:**

**P3001.4 Condensation disposal.** Condensation from all cooling coils and evaporators shall be conveyed from the drip pan outlet to an approved place of disposal. Condensate shall not discharge into a street or alley or ditch, onto the surface of the ground, or other area so as to cause a nuisance, nor into a private sewage disposal system.

**Amend P3002 as follows:**

**Section P3002- Materials.** Delete all references to ABS piping and fittings in this Chapter. Acrylonitrile Butadiene Styrene (ABS) piping and fittings shall not be allowed.

**Add P3002.2.1 as follows:**

**P3002.2.1 Sewer depth.** Building sewers that connect to private sewage disposal systems shall be a minimum of schedule 40 and have a minimum of 12 inches (305 mm) cover at the point of grease trap or septic tank connection. Building sewers, less than schedule 40, that connect to public sewage systems shall have a minimum of 18 inches (458 mm) cover, and shall not be placed under driveways or parking lots.

**Amend Section P3005 as follows:**

**Delete Exception in P3005.1.1 in its entirety:**

**P3005.1.1** ~~**Exception:** Double sanitary tee patterns shall not receive the discharge of water closets located within 30 inches (762mm) in developed length of the fitting or any fixture with pumping action discharge.~~

**Add Note to P3005.1.1 as follows:**

**P3005.1.1** **NOTE:** Fittings shall be installed to guide sewage and waste in the direction of flow. Change in direction shall be made by fittings installed in accordance with Table P3005.1. Change in direction by combination fittings, side inlets or increasers shall be installed in accordance with Table P3005.1 based on pattern of flow created by the fitting. Double sanitary tee pattern of 2 inches (50.8mm) or less shall not receive discharge from fixtures or appliances with pumping action discharge.

**Amend P3005.2.7 by adding following:**

**P3005.2.7** **Building drain and building sewer junction.** There shall be a cleanout near the junction of the building drain and building sewer. This cleanout may be either inside or outside the building wall, provided it is brought up to finish grade or to the lowest floor level. An accessible interior building drain cleanout or test tee within close proximity to the building drain exit point shall fulfill this requirement. There shall be a cleanout located at sewer conjunction of service lateral and building sewer outside of right-of-way.

**Amend P3005.4.1 as follows:**

**P3005.4.1.1** **Fixture branch and stack sizing.**

1. Branches and stacks shall be sized according to Table P3005.4.1. Below grade drain pipes shall not be less than 1½ inches (~~38mm~~) (44mm) in diameter.

**Add the following to P3005.4.1**

**P3005.4** **Fixture branch and stack sizing. Add number 3.**

3. The maximum number of water closets on a 3 inches (76.2mm) line shall be 3.

**Add a Note to P3005.4.2 as follows:**

**P3005.4.2** **Building drain and sewer size and slope. Add the following note.**

**NOTE:** No building sewer shall be less than 4 inches (101.6mm) diameter.

**Amend Section P3007 as follows:**

**Delete P3007.1 in its entirety:**

~~**P3007.1 Sewage ejectors or sewage pumps.** A sewage ejector, sewage pump, or grinder pump receiving discharge from a water closet shall have minimum discharge velocity of 1.9 feet per second (0.579 m/s) throughout the discharge piping to the point of connection with a gravity building drain, gravity sewer or pressure sewer system. A nongrinding pump or ejector shall be capable of passing a 1.5 inch diameter (38mm) solid ball, and the discharge piping shall be not less than 2 inches (51mm) in diameter. The discharge piping of grinding pumps shall be not less than 1.25 inches (32mm) in diameter. A check valve and a gate valve located on the discharge side of the check valve shall be installed in the pump or ejector discharge piping between the pump or ejector and the drainage system.~~

~~**Exception:** Macerating toilet systems shall be permitted to have the discharge pipe sized in accordance with manufacturer's instruction, but not less than 0.75 inc (19.1mm) in diameter.~~

**Amend P3007.2 as follows:**

**P3007.2 Building drains below sewer (building subdrains).** Building ~~drains~~ subdrains which cannot be discharged to the sewer by gravity flow shall be discharged into a tightly covered and vented sump from which the contents shall be lifted and discharged into the building gravity drainage system by automatic pumping equipment or other approved method. In other than existing structures, the sump shall not receive drainage from any piping within the building capable of being discharged by gravity to the building sewer.

**Add P3007.3 as follows:**

**P3007.3 Full open valve required.** A full open valve located on the discharge side of the check valve shall be installed in the pump or ejector discharge piping between the pump or ejector and the gravity drainage system. Access shall be provided to such valves. Such valves shall be located above the sump cover required by P3007.2 or, where the discharge pipe from the ejector is below grade, the valves shall be accessibly located outside the sump below grade in an access pit with a removable access cover.

**Add P3007.4 as follows:**

**P3007.4 Sump design.** The sump pump, pit and discharge piping shall conform to the requirements of P3007.4.1 through P3007.4.5.

**Add P3007.4.1 as follows:**

**P3007.4.1 Sump pump.** The sump pump capacity and head shall be appropriate to anticipated use requirements.

**Add P30007.4.2 as follows:**

**P3007.4.2 Sump pit.** The sump pit shall be not less than 18 inches (457mm) in diameter and 24 inches (610mm) deep, unless otherwise approved. The pit shall be accessible and located such that all drainage flows into the pit by gravity. The sump pit shall be constructed of tile, concrete, steel, plastic or other approved materials. The pit bottom shall be solid and provide permanent support for the pump. The sump pit shall be fitted with a gas-tight removable cover adequate to support anticipated loads in the area of use. The sump pit shall be vented in accordance with Chapter 9, Section 916.5 of the 2000 International Plumbing Code.

**Add P3007.4.3 as follows:**

**P3007.4.3 Discharge piping.** Discharge piping shall meet the requirements of Section 3007.3.

**Add P3007.4.4 as follows:**

**P3007.4.4 Maximum effluent level.** The effluent level control shall be adjusted and maintained to at all times prevent the effluent in the sump from rising to within 2 inches (51mm) of the invert of the gravity drain inlet into the sump.

**Add P3007.4.5 as follows:**

**P3007.4.5 Ejector connection to the drainage system.** Pumps connected to the drainage system shall connect to the building sewer or shall connect to a wye fitting in the building drain a minimum of 10 feet (3048mm) from the base of any soil stack, waste stack or fixture drain. Where the discharge line connects into horizontal drainage piping, the connector shall be made through a wye fitting into the top of the drainage piping.

**Add P3007.5 as follows:**

**P3007.5 Sewage pumps and sewage ejectors.** A sewage pump or sewage ejector shall automatically discharge the contents of the sump to the building drainage system.

**Add P3007.5.1 as follows:**

**P3007.5.1 Macerating toilet systems.** Macerating toilet systems shall be installed in accordance with the manufacturer's installation instructions.

**Add P3007.5.2 as follows**

**P3007.5.2 Capacity.** A sewage pump or sewage ejector shall have the capacity and head for the application requirements. Pumps or ejectors that receive the discharge of water closets shall be capable of handling spherical solids with a diameter of up to and including 2 inches (51mm). Other pumps or ejectors shall be capable of handling spherical solids with a diameter of up to

and including 1 inch (35.4mm). The minimum capacity of a pump or ejector based on the diameter of the discharge pipe shall be in accordance with Table P3007.5.2.

**Exceptions:**

1. Grinder pumps or grinder ejectors that receive the discharge of water closets shall have a minimum discharge opening of 1.25 inches (32mm)
2. Macerating toilet assemblies that serve single water closets shall have a minimum discharge opening of 0.75 inch (19mm).

**Add Table P3007.5.2 as follows:**

**TABLE 3007.5.2  
MINIMUM CAPACITY OF SEWAGE PUMP OR SEWAGE EJECTOR**

DIAMETER OF THE DISCHARGE PIPE (inches)	CAPACITY OF PUMP OR EJECTOR (gpm)
2	21
2 ½	30
3	46

For S1: 1 inches = 25.4 mm, 1 gpm = 3.785L/m.

**Replace wording of P3008.1 – General with following:**

**P3008.1 Sewage Backflow.** ~~Fixtures that have flood level rims located below the elevation of the next upstream manhole cover of the public sewer serving such fixtures shall be protected from backflow of sewage by installing an approved backwater valve. Fixtures having flood level rims above the elevation of the next upstream manhole shall not discharge through the backwater valve. Backwater valves shall be provided with access. Where a plumbing drainage system may be subject to a back-flow of sewage including, but not limited to the installation fixtures below the level of the nearest upstream manhole cover, suitable provisions shall be made by the contractor or property owner, or the public sewer authority to prevent its overflow into the building all on-premise (private property) generated effluent from entering the building. For off-premise generated effluent (not private property) either the owner, contractor, or if part of the public sewer system, the public sewer authority may be required to install overflow protection for the premises. Check valves or mechanical devices shall not be allowed in the sanitary sewer system.~~

**SECTION NINETEEN:** Chapter 31 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P3102 as follows:**

**Amend P3102.1 as follows:**

**P3102.1 Main vent required.** Every building shall have a main vent that is either a vent stack or a stack vent. Such vent shall run undiminished in size and as directly as possible from the building drain through to the open air above the roof. The minimum size of such stack shall be 3 inches.(76mm).

**Amend P3102.3 as follows:**

**P3102.3 Vent termination.** Every vent stack or stack vent shall extend outdoors and terminate to the open air ~~or terminate to an air admittance valve to the air above the roof line.~~

**Amend Section 3103 as follows:**

**Amend P3103.1 as follows:**

**P3103.1 Roof extension.** All open vent pipes which extend through a roof shall be terminated at least 6 inches above the roof or 6 inches above the anticipated snow accumulation, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134mm) above the roof.

**Amend Section 3105 as follows:**

**Delete P3105.3 in its entirety:**

~~**P3105.3 Vertical leg for waste fixture drains.** A vertical leg (see Figure P3105.3) is permitted within a fixture drain of a waste fixture in accordance with the following criteria:~~

- ~~1. Minimum trap diameter shall be in accordance with Table P3201.7.~~
- ~~2. The diameter of Section A shall be equal to the diameter of the trap.~~
- ~~3. The length of Section A shall not be less than 8 inches (9203mm) and in accordance with Table 3105.1.~~
- ~~4. The diameter of Section B shall be one pipe size larger than the diameter of Section a.~~
- ~~5. The length of Section B shall not be more than 36 inches (914mm).~~
- ~~6. The diameter of Section C shall be one pipe size larger than the diameter of Section B.~~
- ~~7. The total length of Section A and Section C shall not exceed the distance allowed in Table P3105.1.~~
- ~~8. Bends shall be the diameter of the largest connected section.~~

**Delete Figure P3105.3 – Vertical Leg Fixture Drain Schematic**

**Delete entire Section P3108 including Table 3108.3:**

**Delete Section P3108 – Wet Venting in its entirety:**

~~**P3108.1 Wet vent permitted.** Any combination of fixtures within two bathroom groups located on the same floor level are permitted to be vented by a wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the connection of the dry vent along the direction of the flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom groups shall connect to the wet vented horizontal branch drain. Any additional fixture shall discharge downstream of the wet vent. [See Figures P3108.1(1), P3108.1(2) and P3108.1(3) for typical wet vent configurations.]~~

~~**BP3108.2** — **Vent connections.** The dry vent connection to the wet vent shall be an individual vent or common vent to the lavatory, bedet, shower or bathtub.~~

~~**P3108.3** — **Size.** Horizontal and vertical wet vents shall be of a minimum size as specified in Table P3108.3, based on the fixture unit discharge to the wet vent.~~

~~**P3108.4** — **Vertical wet vent.** A combination of fixtures located on the same floor level are permitted to be vented by a vertical wet vent. The vertical wet vent shall extend from the connection to the dry vent down to the lowest fixture drain connection. Each fixture shall connect independently to the vertical wet vent. All water closet drains shall connect at the same elevation. Other fixture drains shall connect above or at the same elevation as the water closet fixture drains. The dry vent connection to the vertical wet vent shall be an individual or common vent serving one or two fixtures. See Figures P3108.2(1) and P3108.2(2) for typical vertical wet vent configurations.~~

**Delete Table P3108.3 – Wet Vent Size in its entirety**

**Amend Section P3112 as follows:**

**Reword P3112.2 as follows:**

~~**P3112.2** — **Vent connection.** The island fixture vent shall connect to the fixture drain as required for an individual or common vent. The vent shall rise vertically to above the drainage outlet of the fixture being vented before offsetting horizontally or vertically downward. The vent or branch vent for multiple island fixture vents shall extend to a minimum of 6 inches (152mm) above the highest island fixture being vented before connecting to the outside vent terminal.~~  
**Island Venting.** Island venting may be either:

1. A loop system with a minimum size of 2 inches piping; or
2. A single oversized stand pipe (3 inches) with air chamber and cleanout above “P” trap connection. This vent must be between two (2) existing vent stacks.

**Amend Section P3113 as follows:**

**Amend P3113.1 by adding Note as follows:**

**P3113.1** — **Size of vents.** The minimum required diameter of individual vents, branch vents, circuit vents, vent stacks and stack vents shall be at least one-half the required diameter of the drain served. The required size of the drain shall be determined in accordance with Chapter 30. Vent pipes shall be determined in accordance with Chapter 30. Vent pipes shall be not less than 1 ¼ inch (32mm) in diameter. Vents exceeding 40 feet (12 1992 mm) in developed length shall be increased by one nominal pipe size for the entire developed length of the vent pipe.

**NOTE:** One (1) full sized vent stack of 3 inches shall be required for each building.

**Amend P3114 as follows:**

**Amend P3114.7 as follows:**

**P3114.7 Vent required.** Within each plumbing system a minimum of two stack vents or vent stack shall extend outdoors to the open air. There shall be a minimum of one vent to the open air downstream of, and a minimum of one vent to the open air upstream of an air admittance valve.

**Add P3114.8 as follows:**

**P3114.8 Prohibited installations.** Air admittance valves shall not be installed in non-neutralized special waste systems as described in P2706.1. Valves shall not be located in spaces utilized as supply or return air plenums, nor in commercial food preparation or storage areas.

**Delete Figure P3108.1(1)B on page 418 of the 2000 International Residential Code.**

**Delete Figure P3108.1(3) on page 420 of the 2000 International Residential Code.**

**Delete Figure P3108.2(1) on page 421 of the 2000 International Residential Code.**

**Delete Figure P3108.2(2) on page 422 of the 2000 International Residential Code.**

**Delete Figure P3109.2 on page 421 of the 2000 International Residential Code.**

**Delete Figure P3110.4 on page 424 of the 2000 International Residential Code.**

**SECTION TWENTY:** Chapter 32 of the 2000 International Residential Code shall be amended as follows:

**Amend Section P3201 as follows:**

**Amend P3201.2 as follows:**

**P3201.2 Trap seals and trap seal protection.** Traps shall have a liquid seal not less than 2 inches (51mm) and not more than 4 inches (102mm).

**Exception:** Traps for floor drains shall be fitted with a trap primer or in areas subject to washdown trap shall be of the deep seal design.

**Amend P3201.5 as follows:**

**P3201.5 Prohibited trap designs.** The following types of traps are prohibited:

1. Bell traps.

2. Separate fixture traps with interior partitions, except those lavatory traps made of plastic, stainless steel or other corrosion-resistant material.
3. "S" traps ~~except as permitted under Section P3102.3.~~
4. Drum traps.
5. Trap designs with moving parts.

**Amend P3201.7 as follows:**

**P3201.7 Size of fixture traps.** Fixture trap size (nominal diameter) shall be sufficient to drain the fixture rapidly and in no case less than given in Table P3201.7. Traps, including integral traps, shall not be larger than the drainage pipe into which it discharges.

**TABLE P3201.7  
SIZE OF TRAPS AND TRAP ARMS FOR PLUMBING FIXTURES**

PLUMBING FIXTURE	TRAP SIZE MINIMUM (inches)
Bathtub (with or without shower head and/or whirlpool attachments)	1 ½
Bidet	1 ¼
Clothes washer standpipe	2
Dishwasher (on separate trap)	1 ½
Floor drain	2
Kitchen sink (one or two traps, with or without dishwasher and garbage grinder)	1 ½-2
Laundry tub (one or more compartments)	1 ½
Lavatory	1 ¼
Shower	2
Water closet	1

For SI: 1 inch = 25.4 mm.

**NOTE:** Consult fixture standards for trap dimensions of specific bowls.

**Add P3202 Swimming Pools as follows:**

**Add Section P3202 as follows:**

**P3202.1 Special wastes for Swimming Pools.** All pool waste, either backwash of filters or pool drainage, shall be taken to an approved pool waste receptor. This waste receptor may connect to city sewer, storm drain, or on-site irrigation. Pool waste shall not be placed on streets, on or across neighboring properties, or any place in the estimation of the Plumbing Official where it is considered a nuisance. All discharged waste to irrigation or storm drain shall comply with ADEM rules and regulations

**SECTION TWENTY-ONE:** Chapter 33 of the 2000 International Residential Code shall be added as follows:

**Add a new Section E3300 as follows:**

**Add E3300.1 as follows:**

**E3300.1 Restrictions on employees.** No officer or employee connected with the department, except one whose only connection is a member of the board established by this

code, shall be financially interested in the furnishing of labor, material, or appliances for the construction, authorization, or maintenance of a building. No such officer or employee shall engage in any work, which is inconsistent with his duties or with the interest of the department.

**Add E3300.2 as follows:**

**E3300.2 Creation of Board of Examiners.** There is hereby created a board to be known as the "Board of Electrical Examiners" which shall be composed of the Electrical Official of the City of Mobile who shall serve as Chairman and seven (7) duly qualified and competent persons to be appointed by the City Council of the City of Mobile. In addition to the Electrical Official, the Board members shall be appointed from nominees submitted by the International Brotherhood of Electrical Workers Local 505, the National Electrical Contractors Association, the Master Electricians Association of Alabama, the Alabama Power Company and the Associated Builders and Contractors Association of South Alabama. In addition to these nominees, the City Council shall appoint one certified Journeyman Electrician, one certified Master Electrician. Each member of the "Board of Examiners" shall serve a term of four years, but any person appointed to fill a vacancy shall be appointed to serve only for the unexpired term. Members shall be eligible for reappointment. This Ordinance shall not serve to vacate any appointment made prior to the effective date of the Amendment. No member shall receive compensation for service on the Board.

**Add 3300.3 as follows:**

**E3300.3 Certification.** It shall be unlawful and an offense against the City of Mobile for any person to work as a Master Electrician, Journeyman Electrician or Maintenance Electrician without first obtaining a "Certificate of Competency" as hereafter provided.

**Add 3300.3.1 as follows:**

**E3300.3.1 Certificate of Competency.** The Board of Electrical Examiners herein created shall hold examination on the second Wednesday of each January and July provided that each such day is not a legal holiday; if so, the examinations shall be held on the next regular business day following. The examination shall be proctored by the Board and shall be based upon the provisions of this Code and upon good electrical practices and procedures. The Board shall establish examinations for Master Electricians, Journeyman Electricians, and Special Systems.

1. Anyone desiring to obtain a Master, Journeyman or Special Systems Certificate of Competency shall make application to the Board of Examiners at least thirty (30) days prior to the examination date, signifying his intentions to take such examination and whether he intends to take the examination as a Master Electrician, Journeyman Electrician or Special Systems. If the applicant desires to take the Master Electrician examination, he will pay to the City of Mobile an examination fee of One Hundred fifteen and no/100 (\$115.00) or have proof of state certification. If the applicant

desires to take the Journeyman Electrician examination or Special Systems examination, he will pay to the City of Mobile an examination fee of Sixty-five and no/100 (\$65.00), or have proof of State Certification. Anyone desiring a Certificate of Competency as a Maintenance electrician shall present suitable evidence by an employer. Upon presentation of such evidence, the Electrical Official shall issue a Certificate, subject to the final approval of the Board; and such Certificate shall expire five years after the date of issuance, or change of employment, whichever is the sooner. The issuance fee for a Certificate of Competency as Maintenance Electrician shall be \$65.00.

2. The applicant shall submit with his application four (4) photographs of his head and shoulders being in size 1 inch by 2 inches. These photographs shall then become the property of the Board of Examiners. In the event the applicant is successful in the examination and is issued a Certificate of Competency, the Board shall cause one of the photographs to be attached to such Certificate of Competency. Such Certificate of Competency shall state on the face thereof that the holder of the same is qualified as stated thereon at any time he is doing electrical work in the City of Mobile or on City owned property not in the Corporate Limits of the City of Mobile.
3. Any person shall be eligible for examination as a Master Electrician who has been in actual employment as a certified Journeyman Electrician for at least one (1) year, or has passed a previous examination with the City of Mobile as a Master Electrician, or has a professional electrical engineering license, or such experience in the electrical field as shall be approved by the Board of Electrical Examiners, or has had five (5) years of such experience in the design of electrical systems and their construction as shall be approved by the Board of Examiners.
4. Reciprocity with Mobile County and other Alabama Governmental bodies, at the Board's discretion, may be established considering only the applicants who have successfully completed the Exam prepared, proctored and graded examination and having attained a score of 75% for Master Electrician. The reciprocity fee shall be \$100.
5. When joint ventures are utilized by contractors, all companies involved in such joint venture shall comply with all sections of this ordinance, i.e. business license and other Fees, bonding, and insurance requirements, etc.
6. An applicant for a Certificate of Competency as a Journeyman Electrician must have had at least four (4) years practical experience as an apprentice or a current Journeyman or Master Electrician in another jurisdiction of Alabama or other training approved by the Board of Electrical Examiners.
7. The Electrical Official is authorized to issue Temporary Certificates of Competency to Journeyman Electricians upon proof that the applicant therefor is qualified to do electrical work in a competent manner; but such Certificate shall be good only to the next examination date of the Board of Examiners.

8. Competency certificates will be issued to applicants immediately after the successful completion of examinations. Journeyman certificates will expire five years from date of issue. Master certificates will expire the day prior to March first of each year. Each application for a renewal certificate (other than a Master's), or for a duplicate of any certificate in the event that the original certificate has been lost, shall be accompanied by a fee of Ten Dollars (\$10.00) to defray cost of issuing such certificate.
9. An Active Master certificate may be renewed each year between January 1 and March 1 without a re-examination, under the following provisions:
10. Persons purchasing a City of Mobile electrical contractor's license will pay a fee of Ten Dollars. (\$10.00).
11. Persons not purchasing a City of Mobile electrical contractor's license will pay a fee equivalent to the amount paid for the minimum electrical contractor's business license.
12. A person not wishing to keep an "Active" certificate may place his or her Masters certificate on an "Inactive" basis until the next licensing period (January 1 - March 1) at a cost of Ten Dollars. During this regular licensing period (January 1 - March 1) an "Inactive" certificate may be converted to an "Active" certificate by compliance with E3300.3.1.9 of this Code. Also a holder of an "Inactive" certificate may acquire an active Master's certificate at any time during the year by a successful completion of the prescribed Masters examination.
13. In the event of a holder of a Master's certificate desiring to be on a permanent inactive status, a "Retired Master" certificate shall be issued without cost. A holder of a "Retired Master" certificate may obtain an "Active" Master certificate only by a successful re-examination.
14. An applicant for a Certificate of Competency as an Associate Journeyman must have had at least two (2) years practical experience as an apprentice of a Journeyman Electrician or Master Electrician, or shall be sponsored by the Electrical Department of the City of Mobile or must have had other training approved by the Board of Electrical Examiners.
15. The examination for certification as an Associate Journeyman shall be the same as the Journeyman examination. The Certificate of Associate Journeyman may be converted to a Journeyman Certificate without examination when the holder has acquired a total of four years of practical experience or a combination of two years of training and two years of practical experience in the electrical construction industry. The practical experience must have been under the direct supervision of a certified Journeyman or Master Electrician.

16. Suspension or Revocation of Certificates of Competency: After a hearing following notice, the Board of Examiners shall have the power to suspend any Certificate of Competency issued by it for a period of not in excess of 30 days, and may revoke Certificates of Competency issued by it, upon evidence presented to it that the holder of such Certificate of Competency has persistently or willfully violated the provisions of this code. When such certificate is revoked then the holder thereof shall not be entitled to apply for a new certificate within six months of the date of such revocation.
17. Whenever a complaint is made to the Board concerning any holder of a Certificate of Competency, and a request is made to the Board, or the Board determines that such complaints, if true, would justify a revocation of the Certificate of Competency or a suspension thereof, then the Board shall hold a meeting, notice of which meeting shall be given to the holder of the Certificate of Competency in question, not less than 15 days prior to the date set for said meeting, stating the basis of the charges against him, at which meeting the complainant may appear and present evidence as to such charges. The Board will render a decision within five calendar days, either absolving the holder of the Certificate, suspending his Certificate, or revoking his Certificate, and such decision shall state the reasons for the conclusion reached. The holder of such Certificate shall have the right to appeal to the Board of Appeals as hereinafter set forth, provided that notice of such appeal shall be filed within 30 days from the date of such decision of the Board of Examiners. Such notice of appeal shall be filed with the Secretary of the Board of Appeals who shall immediately notify the Electrical Official of such appeal and direct him to cause the records of proceedings before the Board of Examiners to be certified and filed in the Office within 10 days. The order of the Board of Examiners shall be suspended during the time the appeal is pending.

**Add E3300.4 as follows:**

**E3300.4 Continuing Education requirements for active Certificates of Competency Holders.** Each person who is certified by the Board of Electrical Examiners must, as a condition of each renewal of certificate, provide proof of at least fourteen (14) classroom hours of continuing education in one or more courses approved by the Board of Electrical Examiners per three year period.

A person who holds more than one certificate issued by the Board of Electrical Examiners is required to complete the continuing education requirements only once during each triennium period. Proof of completion by any such person must be submitted with each renewal application.

A person is not required to complete any continuing education requirements for the year in which a certificate is initially issued.

**Add E3300.4.1 as follows:**

**E3300.4.1 Criteria for Continuing Education.** The following programs of continuing education may be used to satisfy the continuing education requirement. Courses for credit which are business, technical or safety courses relevant to the electrical contracting industry.

**Add E3300.4.2 as follows:**

**E3300.4.2 Approval of Continuing Education Courses.** Any registered course sponsor may submit an application for approval of a continuing education course by filing within the agency. Each course sponsor must register with the Board of Electrical Examiners prior to submitting any continuing education courses to be conducted by a course sponsor to the board for approval.

**Add E3300.4.3 as follows:**

**E3300.4.3 Audit of Certificate of Completion.** The Urban Development Department shall perform random audits of 10% of the certificate holders to verify compliance with continuing education.

**Add E3300.4.4 as follows**

**E3300.4.4 – Fees.** Fees for registering each continuing education sponsor shall be \$20.

**Add 3300.5 as follows:**

**E3300.5 Requirement for Master Electrician.** Every electrical contractor as defined by this code must have continuously in his employ a holder of Certificate of Competency as a Master Electrician for the current year. Whenever any Master Electrician leaves the employ of an electrical contractor it shall be the duty of such contractor to immediately notify the Board of Examiners.

**Add 3300.5.1**

**E3300.5.1 Notice by Master Electrician of Employment.** Every holder of a Certificate of Competency as a Master Electrician shall notify the Board of Examiners as to his place of employment and should his place of employment change, then he shall also notify the Board of Examiners so that said board may maintain proper supervision over electrical contractors.

In the event of death of the "Active" Master Electrician of record employed by a Contractor, the Contractor shall be permitted to continue operations during the licensed year under the supervision of an "Inactive" Master, if necessary. At the end of this period, the Contractor will be required to employ exclusively, a holder of an "Active" Master's Certificate in order to continue operations.

**Add E3300.5.2 as follows:**

**E3300.5.2 Responsibilities of Electricians.** It shall be the duty of all holders of a Certificate of Competency as a Master Electrician or as a Maintenance Electrician, to register with the Electrical Official and show the name and address of their regular employer. It shall be their further duty to immediately notify the Electrical Official when they change employment, giving the same information as to their new employer. No holder of a Certificate of Competency as a Master Electrician shall allow his name to be used by any other person, firm or corporation for the purpose of obtaining a permit to do electrical work or for the purpose of doing electrical work under their license, as such. It shall be unlawful for any holder of Certificate of Competency as a Journeyman Electrician to do any electrical work, unless he is doing such work under the direct supervision of a holder of a Certificate of Competency as a Master Electrician. It shall further be unlawful for any holder of a Certificate of Competency to allow any person employed as a helper, apprentice, or trainee to do any electrical work, except under the direct supervision of a Master or Journeyman. There shall be a minimum of one (1) Journeyman on each construction site. Additional Journeymen shall be required at the discretion of the Electrical Official.

**Amend Section 3301 as follows:**

**Add E3301.2.1 as follows:**

**E3301.2.1 Electrical Administration.** The provisions of this code shall apply within the corporate limits of the City of Mobile, and to all City owned property not located in the corporate limits of the City of Mobile, to electric conductors and equipment installed within or on public and private buildings and other premises, including parking lots, carnivals, yards and industrial sub-stations; also, the conductors that connect the installations to a supply of electricity, and other outside conductors adjacent to the premises. All electrical systems shall be properly permitted and inspected as required by this code.

No provision of this code shall be held to cover installations in mines, ships, railway cars, automotive equipment, or the installation on equipment employed by a railway, electric or communication utility used in the exercise or its function as a utility and located outdoors or in buildings to which there is no public access.

**Add E3301.4.1 as follows:**

**E3301.4.1 Wiring installations.** When rewiring, renovating, or upgrading a wiring system, it shall be the responsibility of the electrical contractor to remove all obsolete and abandoned equipment, wiring, and conduits, where practical.

All metallic conduits, installed in ground floor slabs, underground and on top of floors in damp and wet locations must be galvanized (or equal) rigid steel construction.

Separate grounding conductors shall be used for all flexible conduits enclosing branch circuit conductors of electrical appliances and equipment.

The branch circuit conductors of a range or combination cook top and oven circuit shall be sized according to instructions of manufacturer or shall not be smaller than AWC#6, copper or equivalent.

In all buildings or structures to be erected and in all buildings or structures now existing within the corporate limits of the City of Mobile, all new and additional electrical wiring for light, heat and power shall be enclosed in raceways except non-metallic sheathed cable is permitted to be used in the wiring of dwellings, apartments, and commercial buildings utilizing only wood frame construction except that non-metallic sheathed cable is not permitted in buildings or structures designed or intended for occupancy by 100 or more persons.

Temporary Services shall be adequate for any load that may be connected.

Where a service mast is used for the attachment and support of service drop conductors, it shall consist of rigid steel conduit or equivalent, not less than two inches (trade size) in diameter.

All sprinkle heads installed in electrical equipment rooms must be shielded to prevent water from entering the electrical panel.

Except as hereinafter specified, every building or structure in which electricity is used for light, heat or power, shall have the main service disconnect or disconnects located as nearly as practicable to an outside service entrance. This location shall be accessible to the police, firemen, and all occupants of such building or structure.

**Add Section E3308 as follows:**

**Add E3308 as follows:**

**E3308 Electrical Special Systems.** The Board of Examiners created under the provisions of this Code are hereby authorized to issue limited certificates of competency which will authorize the performance of limited electrical work by the holders thereof. On voltages of 50 volts or less, these limited certificates of competency accompanied by installation permits shall authorize the installation of wiring and complete hookup of sound, radio and television receiving equipment, smoke, fire, burglary and other security alarm and recordation systems, banking, photographic, merchandising, dispensing, cleaning, and other electrical and electronic systems, provided these systems are not attached to the electrical wiring system of the building or structure. These limited competency certificates shall not authorize the installation of wiring methods connecting these special systems to the light, power or heating electrical system of the building or structure.

Any person desiring to obtain a certificate of competency limited to the installation of the systems contemplated by this Section of the Electrical Code shall make application to the Board of Examiners (30) days prior to exam date in all respects as would a Master or Journeyman Electrician, and shall submit to such examination as will be devised by the Board of Examiners, which examination shall be limited to the special field covered by the limited certificate of competency applied for. Applicants for such limited certificate shall pay the same fees as applicants for a journeyman electrician's examination, examination fee shall be \$65.00. Any

certificates of competency issued under the provisions of this Chapter shall expire on the same dates and be subject to the same terms of renewal as certificates of competency issued to journeyman electricians. The fees for the reissuance of such limited certificates shall be the same as that for journeyman electricians.

All installations of sound, radio and television receiving equipment, burglar alarm systems, telephone fire alarm systems and audio systems shall comply with the standards of safety as approved and amended by Underwriters Laboratories, Inc., the provisions of which are incorporated herein and made a part hereof by reference. No such system shall be finally approved by the Electrical Inspector of the City until the same complies with such standards in all respects.

**SECTION TWENTY-TWO:** Chapter 34 of the 2000 International Residential Code shall be added as follows:

**Amend Section E3401 as follows:**

**Add the following definitions to E3401 as follows:**

The term "Electrician" as used in this code shall be held to mean a person who is engaged in the trade or business of electrical construction, and who is qualified under the terms and provisions of this code with the required certificate of competency.

The term "Master Electrician" as used in this code shall be held to mean a person who possesses the necessary qualifications, training and technical knowledge to plan, lay out, and supervise the installation of electrical wiring, apparatus or equipment for light, heat, or power, and who is qualified under the provisions of this code with the required certificate of competency.

The term "Journeyman Electrician" as used in this ordinance shall be held to mean a person who possesses the necessary qualifications, training and technical knowledge to install electrical wiring, apparatus, or equipment for light, heat or power, and who is qualified under the terms and provisions of this code, and he shall be capable of doing electrical work according to the plans and specifications furnished to him, and in accordance with the standard rules and regulations governing wiring installations in the City of Mobile.

The work of "Maintenance Electrician" shall be confined to the existing branch circuits, fixtures, apparatus or equipment connected thereto, contained and used within the premises or building owned, occupied, or controlled by the person, firm, or corporation by whom the Maintenance Electrician is employed. His work shall not include the installation or replacement of service conductors, service equipment, or any feeder to any center or centers of distribution. All work performed by him shall comply with the provisions of this code.

The term "Electrical Contractor" as used in this code shall be held to mean a person, firm or corporation engaged in the business of electrical contracting. The person in charge of electrical installation for said person, firm or corporation shall have qualified as a "Master Electrician"

according to the terms of this code and shall possess a Certificate of Competency as a Master Electrician for the current year.

The term "Qualified Person" as used in this code shall be held to mean any person qualified under the terms and provisions of this code to perform electrical work, including any home owner who desires to perform electrical work on his premises in accordance with the terms and provisions of this code.

The terms "Helper" and "Apprentice" as used in this code shall be held to mean a person who is employed to assist in electrical installations and is not recognized as a qualified Journeyman or Master Electrician.

"Service Repairs" shall be considered to mean repairs to service and meter equipment, electrode grounding, and to the wiring system on the line side of the service disconnect or disconnects. "Repairs" shall be considered to mean repairs to or replacement of wiring devices, ballasts, securing conduits and cables, resplicing, reinsulating, guarding, etc. Replacement of conduits, feeders, and branch circuit conductors and the relocation of receptacles, switches, and outlets shall be considered as new installations.

Adopted: June 12, 2001

/s/ Glenda A Morgan, City Clerk