

**A RESOLUTION TO ADOPT A PLUMBING CODE  
FOR MOBILE COUNTY BOARD OF HEALTH**

BE IT ORDAINED BY THE MOBILE COUNTY BOARD OF HEALTH, MOBILE COUNTY, ALABAMA, AS FOLLOWS:

**SECTION ONE: Code and appendices.** That, pursuant to Alabama Code Section 22-26-5 (1975), the 2012 Edition of the International Plumbing Code, along with the amendments to the same contained in this Ordinance, has been on file at the Mobile County Health Department pursuant to a resolution adopted by the Mobile County Board of Health, Mobile County, Alabama on March 15, 2016, is hereby adopted as the “Plumbing Code of the Mobile County Health Department.”

**SECTION TWO: Published Ordinance.** A copy of this Ordinance along with the local amendments shall be made available on the Mobile County Website after its adoption, but it shall not be necessary for the said 2012 International Plumbing Code to be published, nor shall the same be spread at length upon the minutes of this Board, but this Ordinance shall be recorded in said minutes.

**SECTION THREE: Effective Date.** The said 2012 International Plumbing Code shall be in full force and become effective April 1, 2016, and all ordinances heretofore adopted by the Mobile County Board of Health in conflict are hereby repealed.

**SECTION FOUR: Contractors Criteria and Qualifications.**

**Contractor 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 County or State as required. 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 certified by the state of Alabama and Masters must be duly registered with the State of Alabama. The Code Official may require an Alabama certified Master Plumber or Journeyman Plumber to be present at the time of inspection.

**SECTION FIVE: Criteria for Owner to Obtain Permits.** Homeowner’s personally doing plumbing work on the residence that they occupy, may obtain plumbing permits for their residence if they are deemed competent by the Code Official. All applicants must complete and sign an affidavit stating ownership and responsibility for all plumbing work. Any individual other than the owner doing the work on the property and receiving compensation is considered a plumbing contractor and shall meet the requirements of a plumbing contractor as set forth herein. All inspection criteria shall be the same as for plumbing contractors in SECTION FOUR. All other properties will be considered as commercial and subject to SECTION FOUR.

**SECTION SIX: Chapter 1: Scope and Administration of the 2012 International Plumbing Code shall be amended as follows:**

**Change Section 101 General to read as follows:**

**101.1 Title.** These regulations shall be known as the International Plumbing Code of the Mobile County Health Department, herein after referred to as, “this code.”

**101.2 Scope.** Delete exception.

**101.2.1 Appendices.** The following appendices shall be adopted for design references only.

B-RATES OF RAINFALL FOR VARIOUS CITIES.  
D-DEGREE DAYS AND DESIGN TEMPERATURES.  
E-SIZING OF WATER PIPING SYSTEMS.

**Change Section 102 Applicability to read as follows:**

**102.6 Historic buildings.** The provisions of this code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of buildings or structures shall not be mandatory for existing buildings or structures identified and classified by the state or local jurisdiction as historic buildings, including those listed on the National Register of Historic Places or eligible for listing on the National Register of Historic Places, when such buildings or structures are judged by the Code Official to be safe and in the public interest of health, safety and welfare regarding any proposed construction, alteration, repair, enlargement, restoration, relocation or moving of buildings.

**102.7 Moved buildings.** Plumbing systems that are part of buildings or structures moved into, or moved within, the jurisdiction shall comply with the provisions of this code for new installations.

**Change Section 103 Department of Plumbing Inspections to read as follows:**

**103.3 Deputies.** Deputy code officials, other related technical officers, inspectors, and other employees may be appointed in accordance with prescribed procedures of the Mobile County Health Department.

**Change Section 106 Permits to read as follows:**

**106.4 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 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 License, or a General Contractors License to do utility work as prescribed by the Alabama Plumbers and Gas Fitters Examining Board in the case of sewer and water lines, and Business License shall be required, except for home-owners personally doing work on the residence they occupy, and Master gas fitters as allowed in 106.4.1.

**106.4.1 For the Purposes of Water Heater Installations Only.** A state certified Master gas fitter may purchase the permit for water heater installation. Said Master gas fitter must adhere to the same qualifications as plumbers.

**106.5 Permit issuance.** The application, construction documents and other data filed by an applicant for permit shall be reviewed by the Code Official or his designated representative. If the proposed work conforms to the requirements of this code and all laws and ordinances applicable there to, the

application has been signed by a licensed master plumber or a general contractor of utilities, the street address of the location is included, and applicable fees have been paid, a permit shall be issued to the applicant. If the application does not conform to the requirements a permit shall not be issued, and the application with reason for refusal shall be returned to the applicant. The Code Official may also refuse to issue permits to any individual who has failed to arrange for necessary inspections, as required by the code, on previous permits.

**106.5.1 Approved Construction Documents.** When construction documents are required the Code Official shall complete a review and issue “Plan Review Comments”. Such reviewed documents and “Plan Review Comments” shall not be changed or altered without authorization of the Code Official. All work shall be done in accordance with the construction documents and “Plan Review Comments”.

**106.6.2 Fee Schedule.** 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 current fee schedule adopted by the Mobile County Board of Health as authorized by the Mobile County Commission.

**106.6.3 Fee Refund.** All or part of the fee may be refunded if it was erroneously paid or collected. All refunds shall be issued following Mobile County Health Department policy.

**Change Section 107 Inspection and Testing to read as follows:**

**107.2 Required inspections and testing.**

4. Building sewer inspection shall be made after piping is installed, and before any back fill is put in place.
5. Water service inspection shall be made after piping, valves, and back flow preventers are installed, and before any back fill is put in place.

**Change Section 108 Violations to read as follows:**

**108.4 Violation penalties** (a) Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the Code Official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, pursuant to Alabama Code Section 22-26-6 (1975) or applicable city codes.

**108.5 Stop work orders.** Upon notice from the Code Official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable of a violation penalty in accordance with Alabama Code Section 22-26-6 (1975) or applicable city code.

**Change Section 109 Means of Appeal to read as follows:**

**1. Means of Appeal**

- (1) In order to avoid undue hardship and promote the effective and reasonable application and enforcement of this Code and local amendments, the Mobile County Health Officer may grant variances from requirements of this Code and local amendments.
- (2) A person who after proper application, is denied a permit, license, or authorization; or who has been given notice of an intent to suspend, revoke, or withdraw a permit, license, or authorization shall be given notice of the facts or conduct which warrants the intended action and within ten (10) days following the receipt of the notice may contest such action or decision by applying in writing for an informal hearing to the Health Officer, or his/her designee, of the Mobile County Health Department.
- (3) A person who is issued a permit, license, or authorization with any terms or conditions with which he does not agree, may also within ten (10) days of the issuance of such permit, license, or authorization apply in writing for an informal hearing to the Health Officer, or his/her designee, of the Mobile County Health Department.
- (4) If the person is not satisfied with the decision of the Health Officer, or his/her designee following the informal hearing, he/she may make further appeal for a formal hearing to the Mobile County Board of Health within fifteen (15) days following notice of the unfavorable determination. The Board of Health shall then schedule a time for a hearing at which person(s) may appear, either individually or through an attorney, and present any facts or evidence concerning the particular situation. The Board of Health shall then confer, and inform the person of its decision within thirty (30) days of the hearing date.

**SECTION SEVEN: Chapter 2 of the 2012 International Plumbing Code shall be amended as follows:**

**Change Section 202 General Definitions to read as follows:**

**COMMERCIAL STRUCTURE.** All structures other than one or two family dwellings.

**FLOOD HAZARD AREA.** The area designated as a flood hazard area in accordance the Flood Damage Prevention Ordinance adopted by Mobile County as administered by the Mobile County Flood Plain Coordinator.

**HISTORIC BUILDING.** Any building or structure that is listed in the Alabama Register of Landmarks and Heritage or in the National Register of Historic Places; designated as a historic property under local or state designation; certified as a contributing resource within a National Register listed or locally designated historic district; or with an opinion or certification that the property is eligible to be listed in the Alabama Register or the National Register of Historic Places either individually or as a contributing building to a historic district by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places.

**INDIVIDUAL SEWAGE DISPOSAL SYSTEM.** A system for disposal of domestic sewage by means of a septic tank, cesspool or mechanical treatment, designed for utilization apart from a public sewer. **NOTE-** this system will be allowed only if public sewer is not available.

**MAIN VENT.** The principle vent for a plumbing system extending full sized from the building drain, through the roof.

**POTABLE WATER.** Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the bacteriological and chemical quality requirements of the Alabama Department of Environmental Management (ADEM) drinking water standards. (A.D.E.M.-Admin code R335-7).

**PREMISES.** A lot, plot or parcel of land, easement, public way or right-of-way, including any structures thereon.

**SANITARY SEWER.** Beginning three feet from the building, a pipe that carries sewage and excludes storm, surface, or ground water.

**SECTION EIGHT:** Chapter 3 of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 305 Protection of pipes and plumbing system components to read as follows:**

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

**Change section 308 Piping Support to read as follows:**

**308.9 Parallel water distribution systems.** Piping bundles for manifold systems shall be supported in accordance with Table 308.5. Support at changes in direction shall be in accordance with the manufacturer’s instructions. Where hot water piping is bundled with cold or hot water piping, each hot water pipe shall be insulated separately.

**Exception:** This section shall not apply to residential occupancies.

**Change section 309 Flood Hazard Resistance to read as follows:**

**309.1 General Plumbing.** Systems and equipment in structures erected in flood hazard areas shall be constructed in accordance with the requirements of this section and the current International Building Code as adopted by Mobile County.

**Change section 311 Toilet Facilities for Workers to read as follows:**

**311.1 General.** Toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition.

**Change Section 312 Tests and Inspections to read as follows:**

**312.2 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 foot (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 a 5 foot (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.

**312.6 Gravity sewer test.** Gravity sewer tests shall consist of plugging the end of the building sewer at the point of connection with the public sewer, filling the building sewer with water, testing with not less than a 5 foot (1524mm) head of water and maintaining such pressure for 15 minutes.

**312.8 Storm drainage system test.** Delete in entirety.

**312.9 Shower liner test.** This section will be used for reference only.

**312.10 Inspection and testing of backflow prevention assemblies.** Delete in entirety.

**Section 313 Equipment Efficiencies to read as follows:** Delete in entirety.

**Change Section 314 Condensate Disposal to read as follows:**

**314.1 Condensate Disposal.** Condensate shall not discharge into a private sewage disposal system and in compliance with the International Mechanical Code as adopted by Mobile County.

**SECTION NINE:** Chapter 4 of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 401 General to read as follows:**

**401.2.1 Abandoned equipment.** All septic tanks and cesspools shall be pumped and filled, by the permit holder, when connecting to an existing public sewer system except when said tank is used in conjunction with a force main sewer with approval of the Code Official.

**401.4 Prohibited location.** No floor drain or other plumbing fixture shall be installed in a room containing air handling machinery when such room is used as a plenum. When rooms are used as a plenum, equipment drains shall be conveyed to an indirect waste receptor located outside such rooms or other approved point of disposal.

**401.4.1 Floor** drains directly connected to the plumbing system shall not be located in elevator pits, freezers, or walk-in coolers.

**Change Section 406 Automatic clothes washers to read as follows:**

**406.1 Waste connection.** The waste from an automatic clothes washer shall discharge through an air-break into a stand pipe in accordance with Section 802.4.

**406.2 Washing machine stand pipe.** Stand pipe shall not terminate less than 34 inches or greater than 42 inches above finished floor.

**Change Section 407 Bathtubs to read as follows:**

**407.5 Roman/Garden tub enclosures.** All valves in roman/garden tub enclosures shall be readily accessible.

**Change Section 412 Floor Drains to read as follows:**

**412.3.1** Floor drains in commercial occupancies shall have a minimum of 3-inch diameter (76 mm) drain outlet.

**Add 412.5 Restrooms.** In restrooms with urinals, other than residential, floor drains shall be provided. Installation shall be in accordance with chapters 412.1, 412.2, and 412.3, and floors shall be sloped to the drain.

**Change Section 417 Showers to read as follows:**

**417.3 Shower waste outlet.** Waste outlets serving showers shall be at least 2 inches in diameter and for other than waste outlets in bathtubs, shall have removable strainers be not less than 3 inches in diameter with strainer openings not less than 0.25 inches in minimum dimension. Where each shower space is not provided with an individual waste outlet, the waste outlet shall be located and the floor pitched so that waste from one shower does not flow over the floor area serving another shower. Waste outlets shall be fastened to the waste pipe in an approved manner.

**Change Section 419 Urinals to read as follows:**

**419.4 Additional requirements.** See Section 412.5 for additional requirements involved with use of urinals.

**Change Section 426 Manual Food and Beverage Dispensing Equipment to read as follows:**

**426.2 Waste drains.** Waste drains for manual food and beverage dispensing equipment shall discharge to the grease trap.

**SECTION TEN: Chapter 5** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 501 General to read as follows:**

**501.4 Location.** Water heaters and storage tanks shall be located and connected so as to provide ready access for observation, maintenance, servicing and replacement. All tank type water heaters located in

attics or any overhead locations shall be accessible by a permanent fixed staircase. A permanently attached ladder may be used when located on a mezzanine in commercial occupancies.

**Change Section 502 Installation to read as follows:**

**502.1 General.** Water heaters shall be installed in accordance with the manufacturer's installation instructions. Oil-fired water heaters shall conform to the requirements of this code and the mechanical code as adopted by Mobile County. Electric water heaters shall conform to the requirements of this code and provisions of the local electrical code as adopted by Mobile County. Gas fired water heaters shall conform to the requirements of the current mechanical code adopted by Mobile County.

**502.3 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 opening shall be accessed by a permanently fixed staircase as defined in 501.4. The passage way shall not be less than 30 inches (762mm) high and 28 inches (711mm) wide and not more than 20 feet (6096mm) in length when measured along the center line of the passage way from the opening to the water heater. The passage way shall have continuous solid flooring not less than 24 inches (610mm) wide. A level service space at least 30 inches (762mm) deep and 30 inches (762mm) wide shall be present at the front or service side of the water heater. The clear access opening shall be of sufficient dimensions to allow removal and replacement of the water heater, but in no case less than 20 inches by 30 inches (508mm by 762mm).

**502.6 Prohibited locations.** Gas-fired water heaters shall not be installed in a sleeping room, bathroom or a closet accessed through a sleeping room or bathroom.

**502.7 Water heaters installed in restaurants, bars, lounges, etc.** In establishments with food permits, water heaters shall be caulked to the floor or raised a minimum of 6 inches (152mm) above the floor.

**Change Section 503 Connections to read as follows:**

**503.3 Non-metallic pipe.** Non-metallic pipe shall not be installed within 6 inches (152mm) of the inlet, outlet, or vent of a water heater.

**Change Section 504.3 Safety Devices to read as follows:**

**504.2 Vacuum relief valve.** Bottom fed water heaters and bottom fed tanks connected to water heaters shall have a vacuum relief valve installed. The vacuum relief valve shall comply with ANZI Z21.22. The cold water piping shall rise above the top of water heater, to the vacuum relief valve before connecting to the tank inlet.

**504.3 Shutdown.** A means of disconnecting an electric hot water supply system from its power supply shall be provided in accordance with the local electrical code as adopted by Mobile County, a separate valve shall be provided to shut off the fuel supply to all other types of hot water supply systems.

**504.6 (5)** Discharge to a waste receptor, to the outdoors, or to a place approved by the Code Official.

**504.6 (14)** The relief valve shall discharge full size to a safe place of disposal outside the building or to an indirect waste receptor. Relief valve shall not discharge into a private sewage disposal system. The



discharge pipe for the relief valve shall not have any trapped sections and shall have a visible air gap or air gap fitting located at termination. The discharge shall be installed in a manner that does not cause personal injury to occupants in the immediate area or structural damage to the building.

**504.7 Required Pan.** Where water heaters or hot water storage tanks are installed in locations where leakage will cause damage, the tank or the water heater shall be installed in a pan approved for such use.

**504.7.1 Pan size and drain.** The pan shall not be less than 1.5 inches (38mm) deep and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a minimum diameter of 1 inch (25.4mm). Pan drain shall not discharge into a private sewage disposal system.

**Change Section 506 Minimum Capacities to read as follows:**

**506.1 Residential.** Water heaters installed in residential occupancies shall be sized in accordance with TABLE 506 or can be sized using the manufacturers or U.S. Department of Energy calculations. Each bedroom counts for a minimum of 1 person except for the master bedroom which counts for 2 people.

**506.2 Commercial.** Water heaters installed in commercial occupancies shall be sized by a registered design professional; all food establishments shall have a 30-gallon minimum or equivalent flow rate.

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

FUEL	ELECT			ELECT			ELEC			ELECT			
	GAS	.	OIL	GAS	.	OIL	GAS	T.	OIL	GAS	.	OIL	
NUMBER OF BEDROOMS	1			2			3						
1 to 1 1/2 Baths	Storage(gph)	20	20	30	30	30	30	40	30				
	Input	27	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			
2 to 2 1/2 Baths	Storage(gph)	30	40	30	40	40	30	40	50	30	50	50	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			
3 to 3 1/2 Baths	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

1 gph = 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.

**SECTION ELEVEN: Chapter 6** Water Supply and Distribution of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 603 Water Service to read as follows:**

**603.1 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  $\frac{3}{4}$  inch (19.1mm).

**603.1.1 Fittings.** All service lines with insert fittings having less than  $\frac{3}{4}$  inch (19.1mm) inside diameter shall require a minimum of 1 inch (25.4mm) pipe to the first manifold or water heater.

**603.2 Note.** The exception's listed (numbers 1, 2 and 3) do not apply to force main or pressurized sewers, a separate ditch is required.

**603.2.1 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 605.1 for soil and ground water conditions.

**Change Section 604 Design of Building Water Distribution System to read as follows:**

**604.1.1 Piping below slab.** All piping below slab shall be seamless tubing.

**604.3 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 604.3. The minimum flow rate and flow pressure provided to the fixtures and appliances not listed in table 604.3 shall be in accordance with manufacturer's installation instructions. All systems utilizing insert type fittings shall be limited to 1 fixture per 1/2 inch or less supply piping.

**604.5 Size of fixture supply.** The minimum size of a fixture supply pipe and fittings shall be as shown in Table 604.5. The fixture supply pipe shall not terminate more than 30 inches (762mm) from the point of connection to the fixture. A reduced size flexible water 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 604.5.

**604.9 Water Hammer.** Water hammer arrestors shall be installed where water hammer exists and where deemed necessary by the plumbing official.

**Change Section 605 Materials, Joints, and Connections to read as follows:**

**605.3 Water service pipe.** Water service pipe shall conform to NSF61 and shall conform to one of the standards listed in Table 605.3. All water service pipe or tubing, installed underground and outside of the structure, shall have a minimum working pressure of 200psi (1375kPa) at 73.4°F (23°C). Where the water pressure exceeds 200psi (1375kPa), piping material shall have a minimum rated working pressure equal to the highest available pressure. All ductile iron water pipe shall be cement mortar lined in accordance with AWWA C104.

**Table 605.3 Water Service Pipe. Delete:** Acrylonitrile butadiene styrene (ABS) plastic pipe and galvanized steel.

**Table 605.4 Water Distribution Pipes. Delete:** Acrylonitrile butadiene styrene (ABS) plastic pipe and galvanized steel pipe.

**Table 605.5 Pipe fittings. Delete:** Acrylonitrile butadiene styrene (ABS) plastic pipe and galvanized steel pipe.

**Change Section 606 Installation of the Building Water Distribution System to read as follows:**

**606.2 Location of shutoff valves.** Delete 2. On the water supply pipe to each silcock.

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

**Change Section 608 Protection of potable water supply to read as follow:**

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

**Table 608.17.1**

Table 608.17.1  
DISTANCE FROM SOURCES OF CONTAMINATION TO PRIVATE  
WATER SUPPLIES AND PUMP SUCTION LINES

SOURCE OF CONTAMINATION	DISTANCE (feet)
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
Subsurface disposal fields*	100
Subsurface pits	100

For SI: 1 foot = 304.8mm.

\*May be reduced as allowed by Alabama Department of Public Health Onsite Sewage Disposal Rules 420-3-1

**SECTION TWELVE: Chapter 7 Sanitary Drainage** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 701 General to read as follows:**

**701.2 Sewer required.** Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to public sewer where available. When public sewer is not available

it shall be connected to an approved private sewage disposal system in accordance with Alabama Department of Public Health rules.

**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.

**Change Section 702 Materials to read as follows:**

**Table 702.1 Aboveground drainage and vent pipe.** Delete: Acrylonitrile butadiene styrene (ABS) plastic pipe and galvanized pipe.

**Table 702.2 Underground building drainage and vent pipe.** Delete: Acrylonitrile butadiene styrene (ABS) plastic pipe.

**Table 702.3 Building sewer pipe.** Delete: Acrylonitrile butadiene styrene (ABS) plastic pipe.

**Table 702.4 Pipe fittings.** Delete: Acrylonitrile butadiene styrene (ABS) plastic pipe.

**Change Section 704 Drainage Piping Installation to read as follows:**

**704.2.1 Change in Size.** The minimum pipe size installed underground in a sanitary drainage system within a building shall be 2 inch nominal size.

**Change Section 706 Connections Between Drainage Piping and Fittings to read as follows:**

**706.4 Heel- or side-inlet quarter bends.** Delete in entirety.

**Change Section 708 Cleanouts to read as follows:**

**708.3.2 Building Sewers.** Building sewers shall be provided with cleanouts located not more than 80 feet apart measured from the upstream entrance of the cleanout. (The rest of 708.3.2 as written in code).

**708.3.3 Change of Direction.** Cleanouts shall be installed at each change of direction greater than 45 degrees (0.79 rad) in the building sewer.

**708.3.5.1 Building sewer and property service lateral connection.** There shall be a clean out located at sewer conjunction of service lateral and building sewer outside of right of way.

**708.9 Access.** All cleanouts shall be readily accessible.

**Change Section 709 Fixture Units to read as follows:****Table 709.1 Drainage fixture units for fixtures and groups.**

Kitchen sink, domestic-Minimum trap size shall be 2 inch.

Kitchen sink, domestic with food waste grinder and/or dishwasher-Minimum trap size shall be 2 inch.

**Change Section 710 Drainage system sizing to read as follows:****Table 710.1 (1) Building drains and sewers.**

**Note b** The maximum number of water closets on a 3 inch (76.2mm) line shall be 3.

**Note c** No building sewer shall be less than 4 inch (101.6mm) diameter.

**Note d** Minimum size of building drain, in a commercial building, shall be a minimum of 4 inch (101.6mm).

**Exception:** A building sewer less than 10 feet in developed length can be 3 inch diameter if connecting to a septic tank or grinder pump.

**Change Section 715 Backwater Valves to read as follows:**

**715.1 Sewage backflow.** 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, to prevent effluent from entering or backing up into the building.

**SECTION THIRTEEN: Chapter 8 Indirect /Special Waste** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 802 Indirect wastes to read as follows:**

**802.1.2 Floor drains in food storage areas.** Delete Exception.

**SECTION FOURTEEN: Chapter 9 Vents** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 901 General to read as follows:**

**901.3 Chemical waste vent system.** The vent system for a chemical waste system shall be independent of the sanitary vent system and shall terminate separately through the roof to the outdoors. Air admittance valves are not allowed for venting a chemical waste system.

**Change Section 903 Vent Terminals to read as follows:**

**903.1 Roof Extension.** Every building in which plumbing is installed shall have at least one stack the size of which is not less than 3 inches (76mm) in diameter. Such stack shall run undiminished in size

and as directly as possible from the building drain through to the open air or to a vent header that extends to the open air.

**Change Section 906 Vent Pipe Sizing to read as follows:**

**906.1.1 Minimum size.** Every building in which plumbing is installed shall have at least one stack the size of which is not less than 3 inches (76mm) in diameter. Such stack shall run undiminished in size and as directly as possible from the building drain through to the open air or to a vent header that extends to the open air. The main stack vent in a detached garage or other accessory building with 10 Drainage Fixture Units or less may be 2 inches.

**Change Section 909 Fixture Vents to read as follows:**

**909.1 Distance of trap from vent.** Delete exception in its entirety.

**Change Section 910 Individual Vent to read as follows:**

**910.2 Where Required.** All fixtures discharging downstream from a water closet shall be individually vented except as provided in Section 914 Circuit Venting.

**Change Section 917 Single Stack System to read as follows:**

Delete in its entirety.

**Change Section 918 Air Admittance Valves to read as follows:**

**918.1.1 Connection.** Air admittance valves may be used only with prior approval of the Code Official.

**SECTION FIFTEEN: Chapter 10** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 1003 Interceptors and Separators to read as follows:**

**1003.3.4 Grease Interceptors.** Grease interceptors shall conform to PDI G101.

**1003.3.4.1 Grease Interceptor capacity.** Grease interceptors shall have the grease retention capacity indicated in Table 1003.3.4.1 for flow-through rates indicated. The minimum requirement shall be a 200-pound interceptor, unless designed by a licensed design professional.

**1003.3.5.1 Grease Interceptor Capacity.** Grease trap (GT) size or grease interceptor (GI) capacity shall be determined by using the following formula and table:

Note: Multiply total gallons required by this formula x5 to achieve pounds of grease retention for passive interceptors.

$$D \times MF \times GL \times RT \times ST = \text{GT size (gallons)}$$

**Note;** add 25 seats for each drive through

CODE	EXPLANATION
D	Total number of seats
MF	Meal Factor, based on establishment type and average time per meal 1.33 Fast Food/Cafeteria (45 min) 1.00 Restaurant (60 min) 0.67 Leisure Dining (90 min) 0.50 Dinner Club (120 min)
GL	Gallons of wastewater per meal 6 With dishwashing machine 5 Without dishwashing machine 2 Single service kitchen 1 Food Waste Disposal
RT	Retention time 2.5 Commercial kitchen 1.5 Single service kitchen
ST	Storage factor, based on hours of operation 1.0 Operation of 8 hours 1.5 Operation of 12 hours 2.0 Operation of 16 hours 2.5 Operation of 24 hours 1.5 Single service kitchen

- Notes:**
1. Minimum grease interceptor size, if connected to a septic tank system shall be in accordance with ADPH Onsite Sewage Disposal Rules Chapter 420-3-1.
  2. Minimum grease interceptor size for commercial kitchens, if connected to public sewer, shall be 1000 gallons, unless designed by a licensed design professional. Minimum grease interceptor size for all commercial buildings with other than employee only kitchens shall be 12 pounds or 6 GPM flow through rating.
  3. The construction plans submitted with the permit application shall show the capacity of the grease interceptor and the above grease interceptor capacity formula with all formula code values identified.

**1003.3.5.2 Baffling Requirements for unmarked (no astm#) grease interceptors.** All grease interceptors shall have a minimum of two (2) baffles. The nearest baffle from entry point of effluent shall allow flow under the baffle wall. The second baffle will allow flow over the top of baffle wall. Inlet tees shall have a drop pipe a min. of 12 inches long. Exit fittings (tees) shall have a drop pipe that extends to within 12 inches of bottom of tank. Suitable room for rodding must be allowed at top of each tee. All grease interceptors shall be accessible for pumping and cleaning with access covers at each end of trap.

**1003.3.5.3 Grease Interceptor Installations.** All grease interceptors shall be installed as per manufacturer's recommendations. This includes wall sizing for high traffic areas and location.

**1003.3.6 Grease interceptor Sampling Port.** A clean out shall be installed immediately downstream of the grease interceptor for the purpose of acquiring grease interceptor effluent samples.

**1003.4 Oil separators required.** At repair garages; gasoline stations with grease racks, grease pits or work racks; car washing facilities with engine or undercarriage cleaning capability; and at factories where oily and flammable liquid wastes are produced, separators shall be installed into which all oil-bearing, grease bearing, or flammable wastes shall be discharged before emptying in the building drainage system or other point of disposal.

**SECTION SIXTEEN: Chapter 11 Storm Drainage.** Adopted for reference purposes only.

**SECTION SEVENTEEN: Chapter 12 Special Piping and Storage Systems.** Adopted for reference purposes only.

**SECTION EIGHTEEN: Chapter 13 Gray Water Recycling Systems** of the 2012 International Plumbing Code shall be amended as follows:

**Change Section 1301 General to read as follows:**

**1301.1.1 Approval.** Chapter 13 may only be used with prior approval of the Code Official.

**Change Section 1303 Subsurface Landscape Irrigation Systems to read as follows:**

**1303.12 Approval.** Gray water subsurface landscape irrigation systems shall be approved by the State of Alabama Onsite Sewage Treatment and Disposal Rules and Regulations as enforced by the Mobile County Health Department.

**SECTION NINETEEN ADD Appendix I: RV Park Section.**

**SECTION TWENTY: Separation Clause**

#### SEPARATION CLAUSE

If any section, subsection, sentence, clause, or phrase of this Code is for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code. The Mobile County Board of Health hereby declares that it would have passed this code and each section, subsection, clause, or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, or phrases be declared unconstitutional.

Adopted:

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Chairman