



## Hamilton County Board of Commissioners RESOLUTION

No. 921-19

A RESOLUTION ADOPTING BY REFERENCE THE UPDATED PROVISIONS OF THE BUILDING, RESIDENTIAL, PLUMBING, MECHANICAL, FUEL GAS, FIRE, SWIMMING POOL AND SPA, ELECTRIC, ENERGY CONSERVATION, ANSI ACCESSIBILITY, NFPA LIFE SAFETY CODES AND THE HAMILTON COUNTY ELECTRICAL, PLUMBING, GAS, MECHANICAL CONTRACTOR LICENSE SURETY BOND.

WHEREAS, the codes were last updated via Resolution 613-42 on June 19, 2013: and,

WHEREAS, for the orderly maintenance of all building codes throughout Hamilton County it is necessary to periodically adopt updated codes as prepared by various technical trade associations and model code organizations; and,

WHEREAS, the updated editions of these codes are:

International Building Code	2018 Edition
International Residential Code	2018 Edition
International Plumbing Code	2018 Edition
International Mechanical Code	2018 Edition
International Fuel Gas Code	2018 Edition
International Fire Code	2018 Edition
International Swimming Pool and Spa Code	2018 Edition
National Electric Code	2020 Edition
International Energy Conservation Code	2018 Edition
ANSI (National Standard) Accessibility Code	2017 Edition
NFPA Life Safety Code 101	2018 Edition

WHEREAS, the above listed Code editions, one (1) copy of each which are, and have been on file in the Office of the Hamilton County Clerk for more than ninety (90) days, are hereby adopted as the official Building Codes for Hamilton County: and,

WHEREAS, the following appendices to the International Building Code, 2018 Edition, and as further amended in this chapter, are hereby adopted as part of the official Building Codes:

- Appendix B – Board of Appeals, as amended
- Appendix C – Agricultural Buildings
- Appendix F – Rodent Proofing
- Appendix G – Flood, as amended
- Appendix H – Signs, as amended
- Appendix I – Patio Covers
- Appendix J – Grading

WHEREAS, the following appendices to the International Residential Code, 2018 Edition, and as further amended in this chapter, are hereby adopted as part of the official Building Codes:

- Appendix A – Sizing and Capacities of Gas Piping
- Appendix B – Sizing and Venting Systems
- Appendix C – Exit Terminals of Mechanical Draft
- Appendix E – Manufactured Homes
- Appendix G – Piping Standards for Various Applications
- Appendix H – Patio Covers
- Appendix J – Existing Building and Structures

WHEREAS, the following appendices to the International Plumbing Code, 2018 Edition and as further amended in this chapter, are hereby adopted as part of the official Plumbing Code of Hamilton County:

- Appendix B – Rates of Rainfall
- Appendix C – Structural Safety
- Appendix D – Degree Day Temperature
- Appendix E – Sizing of Water Piping

WHEREAS, the following appendices to the International Mechanical Code, 2018 Edition, and as further amended in this chapter, are hereby adopted as part of the official Mechanical Code of Hamilton County:

- Appendix A – Chimney Connection Pass – Through

WHEREAS, the following appendices to the International Fuel Gas Code, 2018 Edition, and as further amended in this chapter, are hereby adopted as part of the official Fuel Gas Code of Hamilton County:

Appendix A – Sizing and capacities of gas piping  
Appendix B – Sizing and venting systems  
Appendix C – Exit Terminals

WHEREAS, the following appendices to the International Fire Code, 2018 Edition, and as further amended in this chapter, are hereby adopted as part of the official Fire Code of Hamilton County:

Appendix B – Fire Flow Requirements for Buildings  
Appendix C – Fire hydrant Locations and Distribution  
Appendix D – Fire Apparatus Access Roads  
Appendix E - Hazard Categories  
Appendix F - Hazard Ranking  
Appendix G - Cryogenic Fluids – Weight and Volume Equivalents  
Appendix H - Hazardous Material Management Plan and Hazardous Materials Inventory Statement  
Appendix I – Fire Protective Systems – Noncompliant Conditions

WHEREAS, the International Swimming Pool and Spa Code, 2018 Edition, is hereby adopted as part of the official Swimming Pool and Spa Code of Hamilton County:

WHEREAS, the National Electrical Code, 2020 Edition, (NFPA 70: National Electrical Code, International Electrical Code Series) and as further amended in this chapter, are hereby adopted as part of the official Electrical Code of Hamilton County. The tables and examples included in Annexes A-E of the National Electrical Code, 2020 Edition are not adopted by Hamilton County;

WHEREAS, the International Energy Conservation Code, 2018 Edition, is hereby adopted as part of the official Energy Conservation Code of Hamilton County;

WHEREAS, the ANSI (National Standard) Accessibility Code, 2017 Edition, is hereby adopted as part of the official ANSI (National Standard) Accessibility Code of Hamilton County;

WHEREAS, the NFPA Life Safety Code 101, 2018 Edition, is hereby adopted as part of the official NFPA Life Safety Code of Hamilton County;

WHEREAS, the County Electrical, Plumbing, Gas and Mechanical Contractor License Surety Bond amount was last update via Resolution December 17, 1963;

WHEREAS, the obligation of said Surety Bond is to ensure the satisfactory performance of all work requiring a permit in accordance with the Hamilton County adopted building, electrical, gas, mechanical, and plumbing codes;

WHEREAS, each Hamilton County Electrical Contractor Class I, Class II, Class III and Class V, Hamilton County Plumbing Contractor Class I, Hamilton County Gas Contractor Class I and Hamilton County Mechanical Contractor Class I and Class II post a Corporate Surety Bond, in the amount of \$10,000 with each annual County license issuance;

WHEREAS, the attached Surety Bond is hereby adopted as part of the Hamilton County Contractor license issuance process;

WHEREAS, a copy of the additional proposed revised Appendices and Amendments is attached hereto and incorporated herein by reference, as though fully and completely copied verbatim; and

NOW, THEREFORE, BE IT RESOLVED, BY THIS COUNTY LEGISLATIVE BODY IN SESSION ASSEMBLED;

That the herein named editions and publications of the codes, appendices and surety bond be adopted reference and made a part hereof for enforcement within the unincorporated areas of Hamilton County and any municipality that does not have a code enforcement office.

That any person, firm, corporation or agent who shall violate any of the provisions of the codes and bond requirements as herein adopted, or fail to comply with any of the provisions thereof, or violate a detailed statement plan submitted and approved thereunder, shall be guilty of a misdemeanor. Each such person, firm, or corporation or agent shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of any code so adopted by reference is committed or continued, and upon conviction for any such violation shall be punished by a fine of not more than fifty (\$50) dollars.

BE IT FURTHER RESOLVED, THAT THIS RESOLUTION TAKE EFFECT JANUARY 1, 2022, THE PUBLIC WELFARE REQUIRING IT.

**CERTIFICATION OF ACTION**

Approved:

Rejected:

Approved:

Vetoed:

  
County Clerk

  
County Mayor

September 15, 2021

Date

## CODE REVISIONS APPENDICES AND AMENDMENTS AS OF 01-01-2022

1) The following sections and appendices of the **International Building Code, 2018 Edition**, are hereby amended, as hereinafter provided:

- a) Section 101.2 Scope, Exception 2 is deleted in its entirety.
- b) Section 104.4 Inspections is amended by deleting the last sentence in its entirety.
- c) Section 105.1.1 Annual permits and 105.1.2 Annual permit records are deleted in their entirety.
- d) Section 105.7 Placement of permit is deleted in its entirety.
- e) A new Section 105.8 Completion is added as follows:

**105.8 Completion.** Construction shall be considered complete when a Certificate of Occupancy has been issued by the Building Director or his designee.

- f) Section 107.2 Construction documents is amended by adding a new Subsection 107.2.6 other new subsections through 107.2.10 which shall read as follows:

**107.2.6 Requirements.** When required by the Building Director two or more copies of specifications, and of drawings drawn to scale with sufficient clarity and detail to indicate the nature and character of the work, shall accompany application for a permit. Such drawings and specifications shall contain information, in the form of notes or otherwise, as to the quality of materials, where quality is essential to conformity with the technical codes. Such information shall be specific, and the technical codes shall not be cited as a whole or in part, nor shall the term "legal" or its equivalent be used as a substitute for specific information. All information, drawings, specifications and accompanying data shall bear the name and signature of the person responsible for the design.

**107.2.7 Additional data.** The Building Director may require details, computations, stress diagrams, and other data necessary to describe the construction or installation and the basis of calculations. All drawings, specifications and accompanying data required by the building official to be prepared by an architect or engineer shall be affixed with their official seal.

**107.2.8 Design professional.** The design professional shall be an architect or engineer legally registered under the laws of this state regulating the practice of architecture or engineering and shall affix his official seal to said drawings, specifications and accompanying data, for the following:

- 1. All Group A, E and I occupancies.
- 2. Buildings and structures 5,000 sq. ft. or more in area.

For all buildings and structures, the submittal shall bear the certification of the applicant that some specific state law exception permits its preparation by a person not so registered.

**Exception:** Group R3 buildings, regardless of size, shall require neither a registered an architect or engineer, nor a certification that an architect or engineer is not required.

**107.2.9 Structural and fire resistance integrity.** Plans for all buildings shall indicate how required structural and fire resistance integrity will be maintained where a penetration of a required fire resistant wall, floor or partition will be made for electrical, gas, mechanical, plumbing and communication conduits, pipes and systems. Such plans shall also indicate in sufficient detail how the fire integrity will be maintained where required fire resistant floors intersect the exterior walls and where joints occur in required fire resistant construction assemblies.

**107.2.10 Affidavits.** The Building Director may accept a sworn affidavit from a registered architect or engineer stating that the plans submitted conform to the technical codes. For buildings and structures, the affidavit shall state that the plans conform to the laws as to egress, type of construction and general arrangement and, if accompanied by drawings, show the structural design and that the plans and design conform to the requirements of the technical codes as to strength, stresses, strains, loads and stability. The Building Director may without any examination or inspection accept such affidavit, provided the architect or engineer who made such affidavit agrees to submit to the Building Director copies of inspection reports as inspections are performed and upon completion of the structure, electrical, gas, mechanical, or plumbing systems a certification that the structure, electrical, gas, mechanical, or plumbing system has been erected in accordance with the requirements of the technical codes. Where the Building Director relies upon such affidavit, the architect or engineer shall assume full responsibility for the compliance with all provisions of the technical codes and other pertinent laws or ordinances. Affidavits will only be accepted by the Building Director where emergency or extraordinary circumstances are established. If sufficient evidence of emergency or extraordinary circumstances is shown, the Building Director shall have discretion to issue permits based upon affidavits without stamped drawings.

- g) Section 107.3 is amended by deleting it in its entirety and substituting the following in lieu thereof:

**107.3 Plan Review.** The building official shall examine or cause to be examined each application for a permit and the accompanying documents, consisting of drawings, specifications, computations, and additional data, and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of the technical codes and all other pertinent laws or ordinances.

- h) Section 109.2 Schedule of Permit fees is deleted in its entirety and substituted by using the fee schedule adopted by Resolution #1118-20 on November 21, 2018, by the Hamilton County Board of Commissioners.
- i) Section 109.2.1 Other Fees, Groundwater. The following fee schedule adopted by Resolution #1118-20 on November 21, 2018, by the Hamilton County Board of Commissioners.

- j) The code official shall authorize the refunding of Building / Construction Permit Fees are as follows:

The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

- k) Section 109.4 Work commencing before permit issuance shall be amended by adding a new sentence at the end of that subsection which shall state as follows:

Any person who commences work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to a penalty of 100% of the usual permit fee in addition to the required fees.

- l) Section 113 Board of Appeals is amended by deleting said section in its entirety and substituting in lieu thereof the following:

The Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing codes of Hamilton County as established by Resolution #696-7, shall act as the Board of Appeals for appeals from any decision of the Building Official or his designee and to consider variances of the technical codes as provided in this Code.

- m) Section 903.3.5.2 Secondary Water Supply is deleted in its entirety.

- n) Section 3107 Signs, is amended by adding the new Section 3107.1.1 Conflicting Provisions which shall state as follows:

**3107.1.1 Conflicting Provisions.** To the extent that any provision in the chapter is in conflict with the provisions of the Hamilton County Sign Regulations as adopted in the Hamilton County Zoning Regulations, the provisions of Hamilton County Sign Regulations shall control.

- o) Section 3401 Existing buildings or structures are amended by deleting such section in its entirety and substituting in lieu thereof the following language:

**3401.7 Existing buildings or structures.** Alterations, repairs or rehabilitation work may be made to any existing structure, building, electrical, gas, mechanical and plumbing system without requiring the building, structure, plumbing, electrical, mechanical or gas systems to comply with all the requirements of the technical codes, provided that the alteration, repair or rehabilitation work conforms to the requirements of the technical codes for new construction. The Building Director shall determine the extent to which the existing system shall be made to conform to the requirements of the technical codes for new construction by applying the following standards:

If, within any twelve (12) month period, alterations or repairs costing in excess of thirty (30%) percent of the replacement value of the entire building are made to an existing building, such building shall be made to conform to the requirements of this code for new buildings.

If an existing building is damaged by fire or otherwise in excess of thirty (30%) percent of its replacement value before such damage is repaired, the entire building shall be made to conform to the requirements of this code for new buildings.

For purposes of the section, the building official shall use the latest edition of Building Valuation Data Square Foot Construction Costs as published in the ICC Building Safety Journal, one copy of which is, and has been on file in the Building Inspection office, to determine the replacement cost of an existing building. The building official may require the replacement cost of an existing building to be determined by a registered architect, engineer, licensed general contractor or other professional. Any such review shall be approved by the building official and all costs associated with such review shall be paid by the party asserting that the alterations and repairs are less than thirty (30%) percent of the replacement cost of the building at the time they are made.

- p) Section 3409.2 Flood Hazard Areas is amended by adding the following language to the end of that subsection:

The appropriate Hamilton County Flood Hazard Regulations and the Federal Regulations referenced therein shall constitute the official regulations of Hamilton County with regard to any construction within the Flood Hazard Zone.

- q) Section 3410 Moved Structures is amended by deleting such in its entirety, and substituting in lieu thereof the following:

**Moving of Buildings.** Any owner, agent or contractor who desires to move any building through or across any sidewalk, street, alley or highway from one location to another, or cause same to be moved from one location to another on the same property shall first make application to the Building Inspection Department and obtain a permit thereof.

Each application for permit, with the required fee thereof, shall be filed with the Building Inspection Department on a form furnished by that department showing the location of the building as it exists and a site plan showing the location of the building which is proposed on the new lot. Before the Building Inspection Department may issue a permit for the moving of a building from one location to another, a building inspector shall make an inspection of the building and of the lot onto which such building is to be moved and determine whether or not the building, after its relocation, will be substandard or cause the area into which it is being moved to be blighted area.

All buildings being moved shall be situated on the recipient lot in such a way as to assure the front door of any moved building shall face the public road.



No permit shall be issued under this ordinance for the moving of any building until the applicant has paid a fee of One Hundred Twenty Five (\$125.00) Dollars to pay the expense of the necessary investigations by the Building Inspections Department.

The applicant for a permit for the moving of a building within the unincorporated areas of Hamilton County shall file with the Building Inspection Department.

A certificate of insurance (or provide other proof in form and substance to be approved by the Director of Building Inspections) indicating that the applicant is insured and where Hamilton County is named as an additional insured, issued by a casualty company authorized to do business in the State of Tennessee, in an amount of not less than \$300,000 for injury to one and \$700,00 for an injury to more than one in any one accident and \$100,000 property damage, conditioned that the building removal will conform to all regulations and ordinances of Hamilton County the moving of building along or over any street, alley or public way of Hamilton County.

Improvements on moved buildings. The owner, agent, or contractor of any house, building or structure which is moved to a new location shall make all necessary improvements required in order for said house, building or structure to comply with all requirements of the Official Building Codes adopted by Hamilton County within 180 days from the date of the issuance of the moving permit. Extensions of such time as deemed reasonable may be granted by the Building Director upon a showing of delay caused by matters beyond the control of the owner or house mover. In the event that all exterior renovations are not completed at the new location within 180 days or any reasonable extension by the Building Director, the extension status shall be reviewed again by the Building Director.

The application for the moving permit shall be accompanied by an application for a building permit, accompanied by complete plans and specifications showing the changes or conditions of said house, building or structure as the same is proposed to be when moving, and all contemplated improvements, signed by the owner or the owner's agent.

Than any reference to the International Existing Building Code, the International Sewage Disposal Code, and/or the International Electrical Code shall be deleted from the reference standards in Chapter 35 of the International Building Code and all such references shall be construed to reference the appropriate official codes adopted by Hamilton County.

- 2) The following sections and appendices of the **International Residential Code, 2018 Edition**, are hereby amended, as hereinafter provided.
  - a) Section R105.2 Work Exempt from Permit is deleted in its entirety.
  - b) Section R105.7 Placement of permit is deleted in its entirety.
  - c) Section R108.2 Schedule of Permit Fees is deleted in its entirety and the following language shall be substituted in lieu thereof:

All fees approved by Hamilton County adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018, referenced in Section 109.2 of the International Building Code, shall be collected in the same manner under this section.

d) Section R108.2.1 Other Fees, Groundwater. The following fee schedule adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018.

e) The code official shall authorize the refunding of Building / Construction Permit Fees as follows:

The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

f) Section R112 Board of Appeals is amended by deleting such section in its entirety and substituting in lieu thereof of the following language:

The Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing codes of Hamilton County as established by Resolution # 696-7, shall act as the Board of Appeals for appeals from any decision of the Building Official or his designee and to consider variances of the technical codes as provided in this Code.

g) Section R311.2 Egress door is amended by deleting such section in its entirety and substituting in lieu thereof the following language:

Not less than two (2) exit doors conforming to this section shall be provided for each dwelling unit. The required exit doors shall provide for direct access from the habitable portions of the dwelling to the exterior without requiring travel through the garage. Access to habitable levels not having an exit in accordance with this section shall be by a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7.

**Exception:** Travel through a garage is allowed when the exterior wall of the garage has an exit door meeting the requirement of Section R311.2.1.

h) Section R311.2.1 Door Type and Size. The required exit door shall be a side-hinged door not less than 3 feet (914mm) in width and 6 feet 8 inches (2032mm) in height. Other doors shall not be required to comply with these minimum dimensions.

**Exception:** The second means of egress exit door shall be a side-hinged door or a side sliding door not less than 2 feet 8 inches (812mm) in width and 6 feet 8 inches (2032mm) in height.

i) Section R313 Automatic Fire Sprinkler systems is deleted in its entirety.

- j) Sections R322 Flood Resistant Construction is deleted in its entirety and the following language shall be substituted in lieu thereof:
- k) The appropriate Hamilton County Flood Hazard Regulations and the Federal Regulations referenced therein shall constitute the official regulations of Hamilton County with regard to any construction within the Flood Hazard Zone.
- l) Section R403. Table R403.1 Minimum Width of Concrete or Masonry Footings is deleted in its entirety and the following Amended Table and subsection is adopted in lieu thereof:

**TABLE R403.1**  
**MINIMUM WIDTH OF CONCRETE OR MASONRY FOOTINGS**  
**a**  
**(inches)**  
**BUILDINGS**

<b>LOAD-BEARING VALUE OF SOIL (psf)</b>				
	<b>1,500</b>	<b>2,000</b>	<b>3,000</b>	<b>≥ 4,000</b>
<b>Conventional light-frame construction</b>				
1-story	16	16	16	16
2-story	19	16	16	16
3-story	27	21	16	16
<b>4-inch brick veneer over light frame or 8-inch hollow concrete masonry</b>				
1-story	16	16	16	16
2-story	25	20	16	16
3-story	36	28	20	16
<b>8-inch solid or fully grouted masonry</b>				
1-story	20	16	16	16
2-story	33	25	18	16
3-story	46	36	25	20

2

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479kN/m .

Footings must have a minimum of 8 inch deep concrete and two (2) bars of #4 steel. Pier size is 2 feet x 2 feet minimum. Where minimum footing width is 16 inches, a single Wythe of solid or fully grouted 12-inch nominal concrete masonry units is permitted to be used.

- m) R403.1.3.1 Foundations with stem walls is deleted in its entirety and the following language shall be substituted in lieu thereof:

**R403.1.3.1 Foundations with stemwalls.** Foundations with stemwalls shall be provided with a minimum of one No. 4 bar at the top of the wall and on No. 4 bar at the bottom of the footing.

- n) R506.2.2 Base Crushed concrete is removed as a base.
- o) R905.2.8.5 Drip Edge is deleted in its entirety
- p) Any reference to the International Existing Building Code, the International Property Maintenance Code, the International Sewage Disposal Code, and/or the International Electrical Code shall be deleted from the reference standards in Chapter 44 of the International Residential Code and all such references within the International Residential Code shall be construed to reference the appropriate official codes adopted by Hamilton County.
- q) R Chapter 11 Energy Efficiency of the 2018 International Residential Code is deleted in its entirety and substituting in lieu thereof the following:

**The International Energy Conservation Code, 2018 Edition,** is hereby adopted as the official Energy Code of Hamilton County.

- r) Accessibility Code is deleted in its entirety and substituting in lieu thereof the following:

**Handicap and Accessibility Code adopted.** American National Standard, 2017 Edition. Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1-2009), is hereby adopted as the Official Handicap and Accessibility Code of Hamilton County.

- 3) The following sections and appendices of the **International Plumbing Code, 2018 Edition,** are hereby amended, as hereinafter provided:

- a) Sections 101.1 General and 101.2 Applicability is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 101.1 Title.** These regulations shall be known as the International Plumbing Code hereinafter referred to as “this code”.

**Section 101.2 Scope.** The provisions of this code shall apply to the erection, installation, alterations, repairs, relocations, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction. This code shall also regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems. The installation of fuel gas distribution piping and equipment, fuel gas-fired water heaters and water heater venting systems shall be regulated by the International Fuel Gas Code. Provisions in the appendices shall not apply unless specifically adopted.

**Exceptions:** Detached one- and two- family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the International Residential Code.

- b) Section 106.1 Permits is deleted in its entirety and the following language is substituted in lieu thereof:

**1601.1 When required.** Any properly licensed contractor who desires to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the code official and obtain the required permit for the work.

**Exception:** Where equipment and appliance replacements or repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the Department of Inspections.

- c) Section 106.5.3 Expiration and 106.5.4 Extensions are deleted in their entirety and the following new sections are substituted in lieu thereof:

**Section 106.5.3 Expiration.** Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained.

**Section 106.5.4 Extensions.** Any permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to commence within the time required by this section for good and satisfactory reasons. The code official shall extend the time for actions by the permittee for a period not exceeding 180 days if there reasonable cause. No permit shall be extended more than once.

- d) Section 106.6.2 Fee Schedule The fees for plumbing work shall be as indicated in the following schedule:

All fees approved by Hamilton County adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018, referenced in Section 109.2 of the International Building Code, shall be collected in the same manner under this section.

- e) Section 106.6.3 Fee refund is deleted in its entirety and the following language is substituted in lieu thereof:

The code official shall authorize the refunding of fees as follows: The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

- f) Section 109 Means of Appeal is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 109 Means of Appeal.** The Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing codes of Hamilton County as established by Resolution # 696-7, shall act as the Board of Appeals for appeals from any decision of the Building Official or his designee and to consider variances of the technical codes as provided in this Code.

- g) Section 305.4.1 Sewer depth is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 305.4.1 Sewer depth.** Building sewers that connect to private sewage disposal systems shall be a minimum of 18 inches below finished grade at the point of the septic tank connection. Building sewers shall be a minimum of 24 inches below grade.

- h) Section 504.6 Requirements for discharge pipe is amended by deleting, a portion of the sentence “to the pan serving the water heater or storage tank”.
- i) Section 903.1 Roof extensions is amended by substituting the words “Six (6) inches” for the phrase (NUMBER) inches (mm)” wherever such phrase appears within this subsection.
- j) Section 918 Air Admittance Valves is amended by adding a new Section 918.9 which shall read as follows:

**Section 918.9 Air Admittance Valves for Venting Plumbing Fixtures and Fixture Branches.** Any use of air admittance valves on fixture branches is subject to the discretion and approval of the Building Director. The use of Air Admittance Valves is prohibited on all new construction. Check Section Numbers please.

- k) Section 919 Engineering Vent Systems is amended by deleting said section and all of its subsections in their entirety.
- l) Any reference to the International Existing Building Code, the International Residential Code, the International Sewage Disposal Code, and/or the International Electrical Code shall be deleted from the reference standards in Chapter 13 of the International Plumbing Code and all such references shall be construed to reference the appropriate official codes adopted by Hamilton County.

4) The following sections and appendices of the **International Mechanical Code, 2018 Edition**, are hereby amended, as hereinafter provided:

a) Section 101.1 Title is amended as follows:

**Section 101.1 Title.** These regulations shall be known as the International Mechanical Code hereinafter referred to as “this code”.

b) Section 101.2 Scope is amended as follows:

**Section 101.2 Scope.** This code shall regulate the design, installation, maintenance, alteration and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, equipment and appliances specifically addressed herein. The installation of fuel gas distribution piping and equipment, fuel gas-fired appliances and fuel gas-fired appliance venting systems shall be regulated by the International Fuel Gas Code.

**Exceptions:** Detached one- and two- family dwellings and multiple single-family dwellings (townhomes) not more than three stories high with separate means of egress and their accessory structures shall comply with the International Residential Code.

(c) Section 106.1 When required is amended as follows:

**Section 106.1 When required.** Any properly licensed contractor who desires to erect, install, enlarge, alter, repair, remove, convert or replace a mechanical system, the installation of which is regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

**Exception:** Where equipment and appliance replacements or repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day of the Department of Inspections.

(d) Section 106.3 Application for permit is amended as follows:

**Section 106.3 Application for permit.** Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain the general description of the proposed work and its location. The application shall be signed by the properly licensed contractor. The application shall indicate the proposed occupancy of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

(e) Section 106.4.3 Expiration and 106.4.4 Extensions are deleted in their entirety and the following language is substituted in lieu thereof:

**Section 106.4.3 Expiration.** Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained.

**Section 106.4.4 Extensions.** Any permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to commence within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. No permit shall be extended more than once.

- (f) Section 106.5.2 Fee Schedule is amended as follows:

**Section 106.5.2 Fee Schedule.** The fees for mechanical work shall be as indicated in the following schedule.

All fees approved by Hamilton County adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018, referenced in Section 109.2 of the International Building Code, shall be collected in the same manner under this section.

- (g) Section 106.5.3 Fee Refunds is deleted in its entirety and the following language is substituted in lieu thereof:

The code official shall authorize the refunding of fees as follows: The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

- (h) Section 109 Means of Appeal is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 109 Means of Appeal.** The Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing codes of Hamilton County as established by Resolution # 696-7, shall act as the Board of Appeals for appeals from any decision of the Building Official or his designee and to consider variances of the technical codes as provided in this Code.

- (i) Any reference to the International Building Code, the International Residential Code, the International Sewage Disposal Code, and/or the International Electrical Code shall be deleted from the reference standards in Chapter 15 of the International Mechanical Code and all such



references shall be construed to reference the appropriate official codes adopted by Hamilton County.

5) The following sections and appendices of the **International Fuel Gas Code, 2018 Edition**, are hereby amended, as hereinafter provided:

a) Section 101.1 Title is amended as follows:

**Section 101.1 Title.** These regulations shall be known as the International Fuel Gas Code of Hamilton County, hereinafter referred to as “this code.”

b) Section 101.2 Scope is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 101.2 Scope.** This code shall apply to the installation of fuel-gas piping systems, fuel-gas utilization equipment and related accessories in accordance with Sections 101.2.1 through 101.2.5.

**Exceptions:** Detached one- and two-family dwellings and multiple single-family dwellings (townhomes) not more than three stories high with separate means of egress and their accessory structures shall comply with the International Residential Code.

c) Section 106.1 Where required is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 106.1 Where required.** Any properly licensed contractor who desires to erect, install, enlarge, alter, repair, remove, convert or replace any fuel gas system, the installation of which is regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

**Exception:** Where equipment and appliance replacements or repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day of the Department of Inspection.

d) Section 106.3 Application for permit is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 106.3 Application for permit.** Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the properly licensed contractor. The application shall indicate the proposed occupancy of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

- e) Sections 106.5.3 Expiration and Section 106.5.4 Extensions are deleted in their entirety and the following is substituted in lieu thereof:

**Section 106.5.3 Expiration.** Every permit issued by the code official under provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommended, a new permit shall be first obtained.

**Section 106.5.4 Extensions.** Any permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to commence within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. No permit shall be extended more than once.

- f) Section 106.6.2 Fee schedule. The fees for work shall be as indicated in the following schedule:

All fees approved by Hamilton County adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018, referenced in Section 109.2 of the International Building Code, shall be collected in the same manner under this section.

- g) Section 106.6.3 Fee refund is deleted in its entirety and the following language is substituted in lieu thereof:

The code official shall authorize the refunding of fees as follows: The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

- h) Section 109 Means of Appeal is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 109 Means of Appeal.** The Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing codes of Hamilton County as established by Resolution # 696-7, shall act as the Board of Appeals for appeals from any decision of the Building Official or his designee and to consider variances of the technical codes as provided in this Code.

- i) Section 310.1.1 CSST is deleted in its entirety and the following language is substituted in lieu thereof:

**Section 310.1.1 CSST.** Corrugated stainless steel tubing (CSST) gas piping systems shall be bonded to the electrical service grounding electrode system. The bonding jumper shall connect to a metallic pipe or fitting between the point of delivery and the first downstream CSST fitting.

The bonding jumper shall not be smaller than 4 AWG copper wire or equivalent. Gas piping systems that contain one or more segments of CSST shall be bonded in accordance with this section.

6) The following sections and appendices of the **International Fire Code, 2018 Edition**, are hereby amended, as hereinafter provided:

a) All references to the International Existing Building Code and International Electrical Code are deleted in their entirety and substituting in lieu thereof shall be appropriate reference to the International Building Code, 2018 Edition, and/or the International Residential Code, 2018 Edition, and/or the National Electrical Code, 2018 Edition, provisions adopted by Hamilton County.

b) Section 903.3.5.2 Secondary Water Supply is deleted in its entirety.

c) Any appeal of the decision of the Fire Marshal concerning application of the provisions of the International Fire Code shall be heard by the Construction Board of Appeals for the Building, Residential, Electrical, Fire, Fuel Gas, Life Safety, Mechanical and Plumbing Codes as established by Hamilton County Resolution # 696-7.

(d) Section D103.2 Grade is deleted in its entirety and substituting in lieu thereof the following language:

**D103.2 Grade.** Fire apparatus access roads shall not exceed a grade approved by the Hamilton County Engineering Department.

(e) Section D107.1 One or two-family dwelling residential developments is deleted in its entirety and substituting in lieu thereof the following language:

**D107.1 Exceptions:**

- 1) Residential developments exceeding 199 homes will require two (2) separate fire apparatus access roads and meet the **International Fire Code, 2018 Edition D107.2 Remoteness** requirement.

7) The following sections of the **National Electrical Code, 2020 Edition**, are hereby amended as hereinafter provided:

a) It is necessary to adopt the following language as part of the official Electrical Code of Hamilton County:

**When required.** Any properly licensed contractor who desires to erect, install, enlarge, alter, repair, remove, convert or replace any electrical system, the installation of which is regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

**Exception:** Where equipment and appliance replacements or repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day of the Department of Building Inspection.

**Application for Permit.** Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the properly licensed contractor. The application shall indicate the proposed occupancy of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

**Expiration.** Every permit issued by the code official under provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained.

**Extensions.** Any permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to commence within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. No permit shall be extended more than once.

**Fee Schedule.** All fees approved by Hamilton County adopted by Resolution #1118-20 by the Hamilton County Board of Commissioners on November 21, 2018, referenced in Section 109.2 of the International Building Code, shall be collected in the same manner under this section.

**Fee Refunds.** The code official shall authorize the refunding of fees as follows: The full amount, less the administration fee, of any fee paid hereunder that was erroneously paid or collected when no work has been done under the permit issued in accordance with this code.

CONTRACTOR'S SURETY AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENT:

That \_\_\_\_\_ as principal and \_\_\_\_\_ a corporate surety authorized to do business in the State of Tennessee, (hereinafter called surety) are held and firmly bound unto Hamilton County, the County Board of Commissioners, Hamilton County Agents and Employees and their successors in office and all persons suffering any loss or damage occasioned by the applicable to the work performed by the principal, in the penal sum of \$ 10,000.00, respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by this bond.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_

The condition of this bond is such that the above bound principal and surety, the said \_\_\_\_\_ shall protect all persons suffering any loss or damage occasioned by said principal failing to comply with any of the provisions of any Hamilton County Building Regulations applicable to the work performed by said principal, or the officer, employee or agent of said principal or under the direction and/or supervision of said principal and shall, without additional cost to the person for whom any such work is performed, remedy all defects in said work due to faulty workmanship or material furnished or used by said principal, and shall reconstruct and/or make good any such defective material to the satisfaction of the inspector having jurisdiction of the class of work in the code applicable thereto, at any time within one (1) year after the performance of any such work by said principal, his agents or employees, and within a reasonable time after notice from such inspection, to reconstruct, replace or repair the same, then this obligation shall be null and void, otherwise to remain in full force and effect.

The failure or default on the part of the principal in remedying any defects in such work due to faulty materials furnished or used by said principal, shall give the person for whom such work is performed a right to action against the principal and surety under this obligation provided, however, that no suit, action or proceeding by reason of any default shall be brought on this bond after one (1) year from date of final completion of the work done by the principal for any such person.

Further, the principal and surety shall indemnify, hold harmless and pay all costs, judgments and expenses of or against Hamilton County, the Board of Commissioners, Employees or Agents which result from the act or failure to act of the principal. Further, the surety's liability is limited to the face amount of the bond.

Said bonds may be canceled upon thirty (30) days written notice to the Hamilton County Building Inspection Department.

The premium anniversary date on this bond shall be the \_\_\_\_\_ day of \_\_\_\_\_ in the year \_\_\_\_\_

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

By: \_\_\_\_\_  
Attorney-In-Fact