

Amendments to the 2021 ICC Fire Code

Amend Section 101.1 Title, by deleting the phrase [NAME OF JURISDICTION] and replacing it with the following:

The City of Bartlett, Tennessee

Amend Section 103.1 Code Compliance Agency, by deleting the phrase [Insert Name of Department] and replacing it with the following:

Bartlett Fire Department

Amend Section 103.2 Appointment, by deleting the word appointed in the first sentence and replacing it with the word designated.

Amend Section 103.3 Deputies; by deleting the phrase appoint a Deputy Fire Code Official in the first sentence and replacing it with the phrase designate a Deputy Fire Code Official.

Amend section 105.2.2 Inspection authorized, by deleting it in its entirety and replacing it with the following;

105.2.2 Inspection authorized. Before a new Operational Permit, Business License Application, or Use and Occupancy Permit is approved, the Fire Code Official is authorized to inspect the receptacles, vehicles, buildings, devices, premises, storage spaces or areas to be used to determine compliance with this code or any operational constraints required.

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Amend Section 105.5.34 Open Burning, by deleting the Exception Recreational Fires.

Amend section 112.4 Violation Penalties, by deleting it in its entirety and replacing it with the following;

112.4 Violation Penalties. Persons 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, repair, or do work in violation of the *approved construction documents* or directive of the Fire Code Official, or of a permit or certificate used under provisions of this code, shall be guilty of a code violation. Those responsible for violations are subject to a citation and fines as determined by a court of law. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Amend section 113.4 Failure to comply, by deleting it in its entirety and replacing it with the following;

113.4 Failure to comply. Any person who shall continue any work 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 subject to a citation and/or fines as determined by a court of law.

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Amend section 307.2 Permit required, by inserting recreational fires, in front of the words or a bonfire at the end of the first sentence.

Add section 307.4.4 Warming fires. All warming fires must be contained within a metal barrel or drum. Warming fires are not allowed inside structures and cannot be built directly upon the ground. The immediate area around the warming fire container must be clear of combustible materials and the container shall not be closer than fifteen feet from any structure or combustible materials. Warming fires must be fully extinguished at the end of each work day.

Amend section 307.5 Attendance by inserting the words warming fires following the words recreational fires in the first sentence.

Amend section 308.1.4 Open-flame cooking devices by deleting Exceptions #2 and #3 in their entirety.

Amend section 503.2.4 Turning radius by adding the words and shall not be less than a fifty foot radius after the word official.

Amend section 503.2.5 Dead ends by adding the words as required in Appendix D after the word apparatus at the end of the sentence.

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Amend section 503.6 Security gates by adding sub-sections 503.6.1 through 503.6.8.

503.6.1 Gated or fenced communities. These communities shall have at least one primary Fire Department access. This gate shall conform to sections 503.6.1 through 503.6.8 and if automated, shall be equipped with primary and secondary overrides.

503.6.2 Automatic gates. All automatic gates on required Fire Department access roadways shall be provided with approved override and power off systems designed to allow fire department access in the case of an emergency. These override systems shall provide controls to open and override timer functions for emergency access and power off equipment for manual operation.

503.6.3 Emergency override. Emergency override of all automatic gate systems shall operate with power on or off. The override system shall consist of a fire access housing/box. The access box shall be red in color and shall have 'Fire Department' or 'Fire Access' in white letters on the faceplate. The faceplate shall be hinged and designed to accept a Knox padlock keyed to the Bartlett Fire Department. The fire access box shall be equipped with an internal switch that will signal the gate to operate when the faceplate is unlocked and/or opened. The fire access box shall be installed so as to be plainly visible from the cab of the approaching emergency vehicle.

503.6.4 Manual disconnects. All automatic entry gates shall be equipped with Knox padlocked disconnects for use in the event the power supply to the gates fails, or the fire access box switch fails to open the gate.

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503.6.5 Sliding gates. For sliding gates, the rear chain attachment point, where the chain attaches to the gate, shall be secured with a Knox padlock to allow access by removal of the lock. If the disconnect is not accessible from the public side, an access entry gate shall be provided to allow access to the gate disconnect. The required entry gate shall also be padlocked with a Knox padlock.

503.6.6 Swing gates. For swing gates, the attachment point where the swing arm connects to the gate shall be equipped with a padlocked disconnect pin. If this disconnect pin cannot be accessed from the public side an access entry shall be required as in 503.6.5.

503.6.7 Additional gates. If additional gates are required, these gates shall conform to the same standards as the primary gate. The Fire Code Official may declare these gates to be secondary and allow them to be padlocked with the approved Knox lock, interlocked with the owner's padlock, rather than be automated.

503.6.8 Locking access gates. Gates in fenced compounds which require Fire department access shall be secured with the approved Knox padlock, interlocked with the owner's lock.

Amend section 506.1 Where required by adding the following after the last sentence.

Key boxes shall be located at or near the front door or such location as determined by the Fire Code Official. Commercial or Industrial structures protected by a monitored automatic fire alarm system, automatic sprinkler system, automatic suppression system, facilities which handle, use, or store hazardous materials above the exempt quantities, and other structures deemed necessary by the Fire Code Official shall be required to install and maintain a key box.

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Amend section 507.5.1 Where required by deleting the exceptions.

Amend section 507 Fire Protection Water Supplies by adding the following subsection.

507.5.7 Hydrant access. The Fire Code Official shall require all fences that impede access to hydrants, whether from the street or from the building, to have 48 inch access gates installed at or near the hydrant. To allow proper access to these hydrants, fences shall not be located within a 10-foot radius from the center of the hydrant. Gates, if locked, shall be secured with the approved Knox padlocks keyed to the Bartlett Fire Department.

Amend Chapter 5 Fire Service Features by adding the following new section:

Section 511 Electric security fence installations

511.1 Electric security fence installations. All new and existing electric security fence installations shall be equipped with the following features:

- 1. An approved manual disconnect shall be provided that will interrupt the power supply to the fence. The manual disconnect means shall be located at an approved and accessible location. It shall be secured by an approved locking device that is keyed to the Bartlett Fire Department's specifications.**
- 2. The manual disconnect means shall clearly indicate the fence power status.**
- 3. Signage shall be provided at the manual disconnect that indicates "Fence Power Emergency Bypass" in red letters at least 1" high on a white background. Based on the installation, additional signs may be required at additional points to clearly indicate the location of the manual disconnect means.**

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Amend section 806 Natural Decorative Vegetation in New and Existing Buildings by adding the following sub-section:

806.5 Combustible decorative Materials. Combustible decorative materials such as, but not limited to cotton batting, vegetation, moss, loose or baled straw or hay, vines, split bamboo, leaves, or other similar materials shall not be used in Group A, B, E, I-1, I-2, I-3, I-4, M, R-1, R-2, or R-4 occupancies.

Exceptions:

- 1. Fire retardant treated combustible decorative materials shall not be prohibited in Group A, B, E, M, R-1, and R-2 occupancies if those occupancies are protected throughout by an approved automatic sprinkler system.**
- 2. In Group A, B, M, R-1, and R-2 occupancies protected by an approved automatic sprinkler system, treated decorative materials shall be limited to no more than 10% of the aggregate area of walls and ceiling**
- 3. Group E occupancies shall be allowed 20% of wall area. This shall include treated decorative materials, artwork, and teaching materials combined.**

Amend section 901.2 Construction Documents by adding the following after the last sentence in the section.

Construction documents for fire protection systems will be required where alterations to the existing system will involve more than ten (10) sprinkler heads or when hydraulic calculations for the system must be revised.

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Amend section 903.4 Sprinkler system supervision and alarms by adding the following to the end of the first paragraph following the word unit: **and secured (padlocked) in the normal/open position.**

Amend section 903.4 Sprinkler system supervision and alarms by adding the following exception:

9. Valves on existing systems that were not previously required to be supervised shall be secured (padlocked) in the normal/open position.

Amend section 903.4.3 Floor control valves by deleting the words **high rise buildings** at the end of the sentence and replacing them with the words **all buildings two or more stories in height.**

Amend section 912 Fire Department Connections by adding the following subsection:

912.8 Proximity to Fire Hydrants. Fire department connections shall be located not more than one hundred (100) feet from an approved fire hydrant.

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Amend section 1001 Administration by adding the following sub-section:

1001.3 Other Standards. When this code does not address requirements pertaining to an unusual or uncommon aspect of a means of egress system, NFPA 101 shall be used as an acceptable standard.

Amend section 5704.1 by adding the following sub-section:

5704.1.1 Storage of motorized vehicles and equipment. Gasoline powered equipment such as vehicles, motorcycles, lawn equipment, and etc. shall not be stored in any building unless the room or space has been approved for such use.

Amend section 6103.2.1 Portable Containers by adding the following sub-section:

6103.2.1.8 Flame Effects before a Proximate Audience. The use of LP-gas as part of a flame effect before a proximate audience shall comply with this chapter and NFPA 160. It shall also be approved by the Fire Code Official.

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Amend Appendix B

Fire Flow Requirements For Buildings

Amend section B105.1 by removing it in its entirety and replacing it with the following:

B105.1 One- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration requirements for one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Table B105.1(2).

Amend section B105.2 by removing it in its entirety and replacing it with the following:

B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Table B105.1(2).

Exceptions: 1. A reduction in required fire-flow of up to 30 percent is allowed when the building is provided with an *approved automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2. A reduction in required fire-flow of up to 40 percent is allowed when the building is provided with an *approved ESFR sprinkler system* installed in accordance with this code and NFPA 13. A reduction in required fire-flow which exceeds the percentages listed above must be specifically approved by the *fire code official*.

Amend Table B105.1(1) by deleting it in its entirety.

Amend Table B105.2 by deleting it in its entirety.

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7-101. Fire Code Adopted. Pursuant to authority granted by Tennessee Code Annotated, 6-54-501 through 6-54-506, and for the purpose of prescribing regulations governing conditions hazardous to life and property from fire or explosion, the International Fire Code, 2021 edition with Appendices B, C, D, E, F, G, H, I, L, and N and city amendments, (referenced standards shall be the most current published editions), as recommended by the International Code Council, is hereby adopted by reference and included as part of this code