

1301:7-7-03 General Requirements.

Chapter 3 of the International Fire Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

1. **Modify section 301.2 Permits as follows:**
Delete “Section 105.5” and insert “Chapter I”.
2. **Modify section 303.2 Location as follows:**
In the first sentence after “or any building opening” delete “and” and insert “. Asphalt (tar) kettles shall be located”.
3. **Modify section 304.1.1 Waste material as follows:**
After “waste or rubbish of any type” insert “, including but not limited to asphalt shingles,”.
4. **Modify section 304.1.3 Space underneath seats as follows:**
Delete “International Building Code” and insert “building code”.
5. **Modify section 306.1 Motion picture projection rooms as follows:**
Delete “International Building Code” and insert “building code”.
6. **Modify section 307.1.1 Prohibited open burning Exception as follows:**
Delete “Prescribed burning” and insert “Setting a back fire”.

Delete “when authorized by the fire code official” and insert “as set forth in Sections 1503.11 and 1503.22 of the Revised Code or from any prescribed burn operations authorized under division (C) of Section 1503.18 of the Revised Code”.

7. **Add sections 307.1.2 through 307.1.2.3 as follows:**
“307.1.2 Ban on open burning, recreational fires, and portable outdoor fireplaces. The state fire marshal, in the sole discretion of the state fire marshal, may issue a ban on open burning, recreational fires, or the use of portable outdoor fireplaces at any time when the state fire marshal determines that atmospheric or drought or other environmental conditions necessitate such a ban. The ban may be issued state-wide or may be tailored to a specific area, region or county of the state as conditions warrant.

307.1.2.1 No open burning or recreational fires shall occur and no portable outdoor fireplaces shall be used in any area where a ban is in effect or at any time during a period when the state fire marshal has issued a ban.

307.1.2.2 No permit authorizing open burning, recreational fires or the use of portable outdoor fireplaces shall be issued during any time or in any area where a ban has been issued by the state fire marshal.

Exception: A permit authorizing open burning, recreational fires, or the use of portable outdoor fireplaces may be issued for any area, if any, that is not subject to the ban.

307.1.2.3 Nothing in this section shall prohibit a local fire code official with authority to do so from issuing a local ban on open burning, recreational fires, or the use of portable outdoor fireplaces at any time when conditions warrant, including during times when the state fire marshal has issued a ban as long as the local ban does not contradict the ban issued by the state fire marshal.”

8. Modify section 307.2 Permit required as follows:

Delete “Section 105.5” and insert “Chapter I”.

9. Add section 307.4.2.1 as follows:

307.4.2.1 Fire pits. Recreational fires conducted in gas-fired recreational pits shall not be conducted within 15 feet of a structure or combustible materials.

10. Modify section 308.1.4 Open-flame cooking devices to add Exception 4 as follows:

4. Where approved by the fire code official, charcoal burners are allowed to be operated on combustible balconies or within 10 feet (3048 mm) of combustible construction where all of the following conditions are met:

4.1 The charcoal burners are attended by an adult at all times when in operation.

4.2 Portable fire extinguishers in the type, quantity and size as approved by the fire code official are present on the combustible balconies or at the cooking site located within 10 feet (3048 mm) of combustible construction. Such portable fire extinguishers shall be in an operable condition at all times and maintained in accordance with NFPA 10.

4.3 All non-structural combustible material must be removed from the combustible balconies or at the cooking site located within 10 feet (3048 mm) of combustible construction.

11. Add section 308.1.4.1 as follows:

“308.1.4.1 Natural gas fired open-flame cooking devices. Where approved in writing by the fire code official, the installation and use of natural gas fired open flame cooking devices and/or appliances shall be permissible on combustible balconies of multi-(greater than two) family dwelling unit structures or within 10 feet (3048 mm) of combustible construction at multi-family dwelling unit structures, with the following conditions:

1. The fire code official, in that official’s discretion, may require that any person responsible for the use of a natural gas fire open flame cooking device or other appliance at a multi-family dwelling unit structure, to maintain comprehensive

general liability insurance in an amount sufficient to cover any damages to persons or property that could be attributed to any fire caused by the use of an open flame cooking device.

2. The fuel supply for the natural gas fueled open flame cooking device or appliance be from the natural gas fuel supply piping system connected to the building where the cooking is to occur. There shall be no storage tanks or cylinders located in or near the dwelling unit structure where the cooking is to occur.
 3. The gas pressure supplied to the natural gas fueled cooking appliance shall be no more than the pressure recommended by the cooking device/appliance manufacturer. In no case shall the maximum pressure supplied to the device or appliance exceed 2 pounds per square inch (psi).
 4. Portable fire extinguishers in the type, quantity and size as approved by the fire code official are present on the combustible balconies or at the cooking site located within 10 feet (3048 mm) of combustible construction. Such portable fire extinguishers shall be in an operable condition at all times and maintained in accordance with NFPA 10.
 5. While the natural gas fired open flame cooking device or appliance is in use, all combustibles that are not part of the dwelling unit structure shall be kept 5 feet (1524 mm) away from the cooking device.
 6. Any and all building code requirements for the installation and use of natural gas fired grills, open flame cooking devices or appliances shall be complied with, including compliance with any permit and inspection requirements.”
12. **Modify section 308.1.6 Open-flame devices as follows:**
Delete “Section 105.5” and insert “Chapter I”.
 13. **Modify section 308.1.6.3 Sky lanterns as follows:**
Delete “an untethered” and insert “any”.
 14. **Modify section 308.2 Permits required as follows:**
Delete “Section 105.5” and insert “Chapter I”.
 15. **Modify section 308.3 Group A occupancies, Exception 2 as follows:**
Delete “International Mechanical Code” and insert “mechanical code”.
 16. **Modify section 308.3.2 theatrical performances as follows:**
After “Where approved” insert “in accordance with the permit requirements of Chapter 56”.
 17. **Modify section 311.1.1 Abandoned premises as follows:**
Delete “International Building Code” and insert “building code”.

18. **Add** section 311.2.1.1 as follows:
“311.2.1.1. Residential property subject to Section 2308.02 of the Revised Code regarding an expedited foreclosure on vacant and abandoned property, shall be secured in accordance with Section 2308.031 of the Revised Code. If a quick release device is manufactured for the product used to secure the property, the quick release device shall be installed.”
19. **Modify** section **311.3 Removal of combustibles, Exception 1** as follows:
Delete “International Building Code” and insert “building code”.
20. **Modify** section **313.1 General, Exception 1** as follows:
Delete “International Building Code” and insert “building code”.
21. **Modify** section **314.3 Highly combustible goods** as follows:
Delete “fireworks,”.
22. **Add** section 314.3.1 as follows:
“314.3.1 Display of fireworks for retail sale. The display of fireworks for retail sale shall be in accordance with Chapter 56.”
23. **Modify** section **315.2 Permit required** as follows:
Delete “Section 105.5” and insert “Chapter I”.
24. **Modify** section **317.1 General** as follows:
Delete “International Building Code” and insert “building code”.
25. **Modify** section **319.2 Permit required** as follows:
Delete “Section 105.5” and insert “Chapter I”.
26. **Modify** section **319.4.1 Fire protection for cooking equipment** as follows:
Delete “Section 904.13.” and insert “the following:
 1. **New mobile food preparation vehicles.** Vehicles that are manufactured or initially titled on or after May 1, 2026, and vehicles initially modified to operate as a mobile food preparation vehicle on or after May 1, 2026, shall not be operated as a mobile food preparation vehicle in this state unless such vehicle is protected by an automatic fire extinguishing system that is listed, labelled, installed and maintained in accordance with this section and Section 904.13.
 2. **Existing mobile food preparation vehicles.** Mobile food preparation vehicles in operation as of the effective date of this code may continue to operate without a suppression system.

Exception: If any mobile food preparation vehicle that is in operation as of the effective date of this code undergoes a substantial modification to the

cooking equipment in the vehicle on or after May 1, 2026, the mobile food preparation vehicle shall be protected by an automatic fire extinguishing system that is listed, labelled, installed and maintained in accordance with this section and Section 904.13.”

27. **Add** section 319.4.2.1 as follows:

“319.4.2.1 Notwithstanding the provisions of Section 319.4.2, all mobile food preparation vehicles shall have a minimum of one 5-pound ABC portable fire extinguisher located within the vehicle and readily available to the operator of the vehicle.”

28. **Modify** section **319.8 LP-gas systems** as follows:

Delete “319.8.5” and insert “319.8.6”.

29. **Modify** section **319.8.1 Maximum aggregate volume** as follows:

Delete “200 pounds (91 kg) propane capacity” and insert “200 gallons (0.8 m³) aggregate water capacity”.

30. **Add** sections 319.8.2.1 through 319.8.2.3 as follows:

“319.8.2.1 **Rear mounted tanks.** When secured to the rear of the vehicle, propane tanks shall be mounted with a minimum 30” clearance from the bottom of the tank to the ground.

319.8.2.2 **Non-combustible materials.** All materials or devices used to secure LP-Gas containers shall be made of non-combustible material.

319.8.2.3 **Removing containers during operation activities.** LP Gas containers may be removed from the mobile food preparation vehicle during operation activities. When so removed, propane tanks shall be secured to a stationary object or otherwise securely stabilized to prevent movement, overturn and damage at all times while operation activities are occurring.”

31. **Add** section 319.8.6 as follows:

“319.8.6 **Piping and connectors.** All piping, including hose, shall be installed, tested and maintained in accordance with NFPA 58.”.

32. **Add** sections 319.11 through 319.17 as follows:

319.11 **Carbon monoxide detection.** All mobile food preparation vehicles shall be equipped with at least one listed carbon monoxide detection device.

Exception: Carbon monoxide detectors shall not be required in mobile food preparation vehicles that are not equipped with fossil fuel powered equipment (such as generators or vehicle fuel tanks) and that do not otherwise produce carbon monoxide during operation.

319.12 Egress. *All mobile food preparation vehicles while operating commercial cooking equipment shall have two accessible means of egress remotely located from each other.*

319.12.1. *No means of egress required by this paragraph shall be smaller than 5.7 square feet.*

319.13 Smoking. *Smoking shall be prohibited inside of and within 10 feet of any mobile food preparation vehicle that has any fuel source other than the vehicle fuel tank.*

319.13.1 *“No Smoking” signs shall be conspicuously posted inside each mobile food preparation vehicle, outside each mobile food preparation vehicle in the vicinity of any location where compressed gas is stored or kept, and in a location that is visible to the public.*

319.13.2 *“No Smoking” signs shall be in English, shall have a dark background, and shall have lettering in a contrasting color that is at least 4 inches tall and with a minimum brush stroke width of 1 inch.*

319.14 Emergency shut off controls. *Mobile food preparation vehicles using LP-Gas shall be provided with readily distinguishable and accessible marked exterior emergency shut off controls with a quarter-turn manual gas ball valve.*

319.14.1 Signage. *Signs shall be permanently mounted at the location of the emergency shut off controls and shall state:*

“EMERGENCY GAS SHUT-OFF VALVE”

319.14.1.1. *Signs shall be clearly visible and shall remain unobscured at all times. Signs shall be weather resistant, of contrasting colors, and shall be readable from a minimum distance of 25 feet.*

319.15 Distance and separation requirements. *While parked and in operation mobile food preparation vehicles, exclusive of awnings and appurtenances, using or containing a fuel source or generator other than the vehicle fuel tank shall be separated from the entrances and other exits of buildings or structures and combustible materials by a clear space distance of 10 feet (3 m). While parked and in operation mobile food preparation vehicles using or containing a fuel source or generator other than the vehicle fuel tank shall be separated from other mobile food preparation vehicles by a clear space distance of 3 feet (0.9144 m).*

319.16 Generators.

319. 16.1 *Generators serving a mobile food preparation vehicle shall not be fueled while the mobile food preparation vehicle is in operation.*

319. 16.2 Generators shall not be fueled while the generator is in use and shall not be fueled until the generator has been turned off and the surface temperature of the engine and fuel tank is below the autoignition temperature of the fuel.

319. 16.3 No generator shall be operated or used or fueled within the occupant space of a mobile food preparation vehicle.

319.17 Electrical Wiring and Equipment. All electrical wiring and equipment shall be installed in accordance with NFPA 70.

33. **Modify section 320.3.1 Permits required as follows:**

Delete “Section 105.5” and insert “Chapter I”.

34. **Add section 322 as follows:**

“Section 322 Laboratories using chemicals

322.1 The operation and maintenance of all laboratories shall be in accordance with the requirements of NFPA 45 or, as applicable, Chapter 38.”

35. **Add section 323 as follows:**

“Section 323 Lithium-ion and lithium metal batteries

323.1 General. The storage, use and charging of lithium-ion and lithium metal batteries shall comply with Section 323.

Exceptions:

1. New or refurbished batteries installed in the equipment, devices or vehicles they are designed to power.
2. New or refurbished batteries packed for use with the equipment, devices or vehicles they are designed to power.
3. Batteries in original retail packaging that are rated at not more than 300 watt-hours for lithium-ion batteries or contain not more than 25 grams of lithium metal for lithium metal batteries.

323.2 Permits. Permit shall be required for an accumulation of more than 15 cubic feet (0.42 m³) of lithium-ion and lithium metal batteries, other than batteries listed in the exceptions of section 323.1, as set forth in Chapter 1.

323.3 Fire safety plan. A fire safety plan shall be provided in accordance with Section 404. In addition, the fire safety plan shall include emergency response actions to be taken upon detection of a fire or possible fire involving lithium-ion or lithium metal battery storage.

323.4 Storage requirements. *Lithium-ion and lithium metal batteries shall be stored in accordance with Section 323.4.1, 323.4.2 or 323.4.3, as applicable.*

323.4.1 Limited indoor storage in containers. *Not more than 15 cubic feet (0.42 m³) of lithium-ion or lithium metal batteries shall be permitted to be stored in containers in accordance with all of the following:*

- 1. Containers shall be open top and constructed of noncombustible materials or shall be approved for battery collection.*
- 2. Individual containers and groups of containers shall not exceed a capacity of 7.5 cubic feet (0.21 m³).*
- 3. A second container or group of containers shall be separated by not less than 3 feet (914 mm) of open space or 10 feet (3048 mm) of space that contains combustible materials.*
- 4. Containers shall be located not less than 5 feet (1524 mm) from exits or exit access doors.*

323.4.2 Indoor storage areas. *Indoor storage areas for lithium-ion and lithium metal batteries, other than those complying with section 323.4.1, shall comply with Sections 323.4.2.1 through 323.4.2.6.*

323.4.2.1 Technical opinion and report. *A technical opinion and report complying with Section 104.8.2 shall be prepared to evaluate the fire and explosion risks associated with the indoor storage area and to make recommendations for fire and explosion protection. The report shall be submitted to the fire code official and shall require the fire code official's approval prior to issuance of a permit. In addition to the requirements of Section 104.8.2, the technical opinion and report shall specifically evaluate the following:*

- 1. The potential for deflagration of flammable gases released during a thermal runaway event.*
- 2. The basis of design for an automatic sprinkler system or other approved fire suppression system. Such design basis shall reference relevant full-scale fire testing or another approved method of demonstrating sufficiency of the recommended design.*

323.4.2.2 Construction requirements. *Where indoor storage areas for lithium-ion and lithium metal batteries are located in a building with other uses, battery storage areas shall be separated from the remainder of the building by 2-hour rated fire barriers or horizontal assemblies. Fire barriers shall be constructed in accordance with Section 707 of the building code, and horizontal assemblies shall be constructed in accordance with Section 711 of the building code.*

Exceptions:

1. Where battery storage is contained in one or more approved prefabricated portable structures providing a complete 2-hour fire-resistance-rated enclosure, fire barriers and horizontal assemblies are not required.
2. Where battery storage is limited to new batteries in packaging that has been demonstrated to and approved by the fire code official as sufficient to isolate a fire in packaging to the package interior, fire barriers and horizontal assemblies are not required.

323.4.2.3 Fire protection systems. Indoor storage areas for lithium-ion and lithium metal batteries shall be protected by an automatic sprinkler system complying with Section 903.3.1.1 or an approved alternative fire suppression system. The system design shall be based on recommendations in the approved technical opinion and report required by Section 323.4.2.1.

323.4.2.4 Fire alarm systems. Indoor storage area for lithium-ion and lithium metal batteries shall be provided with an approved automatic fire detection and alarm system complying with Section 907. The fire detection system shall use air-aspirating smoke detection, radiant energy-sensing fire detection or both.

323.4.2.5 Explosion control. Where the approved technical opinion and report required by Section 323.4.2.1 recommends explosion control, explosion control complying with Section 911 shall be provided.

323.4.2.6 Reduced requirements for storage of partially charged batteries. Indoor storage areas for lithium-ion and lithium metal batteries with a demonstrated state of charge not exceeding 30 percent shall not be required to comply with Sections 323.4.2.1, 323.4.2.2 and 323.4.2.5, provided that procedures for limiting and verifying that the state of charge will not exceed 30 percent have been approved.

323.4.3 Outdoor storage. Outdoor storage of lithium-ion or lithium metal batteries shall comply with Section 323.4.3.1 through 323.4.3.3.

323.4.3.1 Distance from storage to exposures. Outdoor storage of lithium-ion or lithium metal batteries, including storage beneath weather protection in accordance with Section 414.6.1 of the building code, shall comply with one of the following:

1. Battery storage shall be located not less than 20 feet (6096 mm) from any building, lot line, public street, public alley, public way or means of egress.

2. Battery storage shall be located not less than 3 feet (914 mm) from any building, lot line, public street, public alley, public way or means of egress, where the battery storage is separated by a 2-hour fire-resistance-rated assembly without opening or penetrations and extending 5 feet (1524 mm) above and to the sides of the battery storage area.
3. Battery storage shall be located not less than 3 feet (914 mm) from any building, lot line, public street, public alley, public way or means of egress, where batteries are contained in approved, prefabricated portable structures providing a complete 2-hour fire-resistance-rated enclosure.

323.4.3.2 Storage area size limits and separation. Outdoor storage areas for lithium-ion or lithium metal batteries, including storage beneath weather protection in accordance with Section 414.6.1 of the building code, shall not exceed 900 square feet (83.6 m²). The height of battery storage in such areas shall not exceed 10 feet (3048 mm) of open space.

323.4.3.3 Fire detection. Outdoor storage areas for lithium-ion and lithium metal batteries, regardless of whether such areas are open, under weather protection or in a prefabricated portable structure, shall be provided with an approved automatic fire detection and alarm system complying with Section 907. The fire detection system shall use radiant energy-sensing fire detection.

323.5 Micromobility Devices powered by lithium-ion or lithium metal batteries. Lithium-ion and lithium metal battery powered micromobility devices shall be operated and maintained in accordance with this section.

Exceptions:

1. Storage, repair and charging in residential occupancies of powered mobility devices, provided that such devices are for personal use by their owner.
2. Charging of a single powered mobility device in any occupancy by the owner of the device.

323.5.1 Prohibited locations. The use of a residential occupancy as a business for the charging of commercially owned powered micromobility devices as part of a rental or sales service shall not be permitted.

323.5.2 Battery chargers and equipment. Powered micromobility devices shall be charged in accordance with their listing and the manufacturer's instructions using only the original manufacture-supplied charging equipment or charging equipment in accordance with the listing and manufacturer's instructions.

323.5.3 Listing. *Powered micromobility devices shall be listed and labeled in accordance with UL 2272 or UL 2849, as applicable.*

323.5.4 Battery charging areas. *Where approved, powered micromobility devices shall be permitted to be charged in a room or area that complies with all of the following:*

- 1. Only listed devices utilizing listed charging equipment shall be permitted to be charged.*
- 2. The room or area is provided with sufficient electrical receptacles to allow the charging equipment for each device to be directly connected to a receptacle. Extension cords and relocatable power taps shall not be used.*
- 3. Storage of combustible materials, combustible waste or hazardous materials shall not be permitted.*
- 4. The charging operation shall not be conducted in or obstruct any required means of egress.*
- 5. Removable storage batteries shall not be stacked or charged in an enclosed cabinet unless the cabinet is specially designed and approved for such purpose.*
- 6. A minimum distance of 18 inches (457.2 mm) shall be maintained between each removable storage battery during charging operations unless each battery is isolated from neighboring batteries by an approved fire-resistant material.*
- 7. A minimum of 18 inches (457.2 mm) shall be maintained between the location of the battery on each powered micromobility device during charging operations.*
- 8. The indoor room or area shall be protected by a fire alarm system utilizing air-aspirating smoke detectors or radiant energy-sensing fire detection.*

323.5.5 Fire safety plan. *A fire safety plan shall be provided in accordance with Section 404.2.2. In addition, the fire safety plan shall include emergency response actions to be taken upon detection of a fire or possible fire involving lithium-ion or lithium metal battery storage.”*