

1301:7-7-06 Building services and systems.

Chapter 6 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 601.2 Hazard abatement as follows:**
At the end of the first sentence after “abated” insert “*by the responsible person and are a violation of this code*”.
2. **Modify section 601.2.1 correction of unsafe conditions as follows:**
At the beginning of the sentence delete “The” and insert “*In accordance with Section 109, the*”.

After “such unsafe operations or conditions” insert “*, including those operations or conditions specified in Section 601.2,*”.
3. **Modify section 603.1 General as follows:**
Delete “International Building Code” and insert “*building code*”.
4. **Modify section 603.5.2 Application and use as follows:**
Delete “Exceptions:” and Exceptions 1 and 2 in their entirety.
5. **Modify section 604.1 General as follows:**
Delete “International Building Code” and insert “*building code*”.
6. **Modify section 604.4 Emergency signs, Exception 2 as follows:**
Delete “International Building Code” and insert “*building code*”.
7. **Modify section 604.5 Maintenance of elevators as follows:**
Delete “International Building Code” and insert “*building code*”.
8. **Modify section 604.5.1 Fire service access elevators and lobbies as follows:**
Delete “International Building Code” and insert “*building code*” at all occurrences (2).
9. **Modify section 604.5.2 Occupant evacuation elevators and lobbies as follows:**
Delete “International Building Code” and insert “*building code*” at all occurrences (2).
10. **Modify section 604.5.3 Storage within elevator lobbies as follows:**
Delete “International Building Code” and insert “*building code*”.
11. **Modify section 604.5.4 Water protection of hoistway enclosures as follows:**
Delete “International Building Code” and insert “*building code*”.
12. **Modify section 605.1 General as follows:**
Delete “International Mechanical Code” and insert “*mechanical code*”.
13. **Modify section 605.2.1.1 Masonry chimneys as follows:**

Delete “International Mechanical Code” and insert “*mechanical code*”.

Delete “International Building Code” and insert “*building code*”.

14. Modify section 605.2.1.2 Metal chimneys as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

15. Modify section 605.2.1.3 Decorative shrouds as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

16. Modify section 605.2.1.4 Factory-built chimney and vent systems as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

17. Modify section 605.2.1.5 Connectors as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

18. Modify section 605.3 Chimneys and vents as follows:

Delete “International Building Code” and insert “*building code*”.

Delete “International Mechanical Code” and insert “*mechanical code*” at all occurrences (2).

19. Modify section 605.4 Fuel oil storage systems as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

Add an additional paragraph to the section and an exception thereto as follows:

“Permits shall be required as set forth in Chapter 1 for fuel oil storage systems exceeding 60 gallons in storage capacity.

Exception: Fuel oil storage tanks with a capacity of less than 1,100 gallons and utilized for residential purposes do not need to be permitted.”

20. Modify section 605.4.2 Fuel oil storage inside buildings as follows:

Delete “605.4.2.2” and insert “605.4.2.1”.

21. Modify section 605.4.2.3 Restricted use and connection as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

22. Modify section 605.4.2.5 Installation as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

23. Modify section 605.4.2.6 Separation as follows:

Delete “International Building Code” and insert “*building code*”.

24. Modify section 605.4.3 as follows:

Move current section “605.4.3” and renumber it as section number “605.4.4”.

Insert new section 605.4.3 as follows:

“605.4.3 Additional protection. Above-ground tanks for the storage of fuel oil shall be safeguarded from public access or unauthorized entry. Additional protection meeting the requirements of Section 5704.1.2 shall be provided.

Exceptions:

1. Facilities enclosed by a perimeter security fence where the public is prohibited from accessing the fuel oil storage area.
2. Tanks enclosed in vaults.
3. Fuel oil storage tanks with a capacity of less than 660 gallons and utilized for residential purposes.”

25. Modify section 605.5 Portable unvented heaters as follows:

At the end of the opening paragraph after “ambulatory care facilities.” insert “Portable kerosene-fired space or room heaters shall be equipped with an automatic extinguishing tip-over device. Any natural gas-fired or liquid petroleum gas-fired space or room heater shall be equipped with an oxygen depletion safety shutoff system and the source of fuel shall be piped from a location outside the building. All unvented heaters shall be marked by the manufacturer in some conspicuous manner that the heater has been approved and listed by one of the authoritative sources listed in Chapter 1.”.

26. Modify section 605. 5.1 Prohibited locations as follows:

Insert a new title after “605.5.1” as follows:

Requirements and prohibitions.

Start a new paragraph and insert “605.5.1.1” before “Prohibited locations.”

At the end of now section 605.5.1.1 after “toilet rooms or storage closets.” insert “No unvented kerosene heater shall be located in any building means of egress.”.

27. Add sections 605.5.1.2 through 605.5.1.14 as follows:

“605.5.1.2 Elevation not permitted. No unvented kerosene heater shall be elevated by being placed upon a stand or otherwise placed or suspended above the floor.

605.5.1.3 Placement restrictions. No unvented kerosene heater shall be placed within three feet of any furniture, drapery, curtain, decorative material, accessory, appliance, equipment, merchandise, goods, or fixture, or any other thing, which is or may be combustible.

605.5.1.4 Must be attended. No unvented kerosene heater shall be left unattended while it is operating.

605.5.1.5 Non-combustible mat required. *Every unvented kerosene heater shall be set and centered upon a noncombustible mat or shallow base, the dimensions of which shall be sufficient to allow at least three feet of the mat or base to extend outward in any direction from any part of the unvented kerosene heater.*

605.5.1.6 Ventilation required. *Every unvented kerosene heater shall be used in an area where there is adequate ventilation, as recommended by the manufacturer of such heater.*

605.5.1.7 Cool-down required. *No unvented kerosene heater shall be fueled or refueled while it is operating or within ten minutes of flame extinguishment, or contrary to the instructions of its manufacturer.*

605.5.1.8 Indoor fueling prohibited. *No unvented kerosene heater or its fuel reservoir shall be fueled or refueled inside a building. All such fueling operations shall be performed outdoors.*

605.5.1.9 Fueling guidelines. *Every unvented kerosene heater shall be fueled or refueled strictly in accordance with the instructions of its manufacturer.*

605.5.1.10 Fuel requirements. *The fuel in every unvented kerosene heater shall be only No. 1-K kerosene as prescribed in Section 5706.9.*

605.5.1.11 Fuel storage. *The fuel used in every unvented kerosene heater shall be stored away from occupied areas and in an approved container which shall be marked or labeled in a conspicuous manner to read: "1-K kerosene."*

605.5.1.12 Fire extinguisher requirements. *At least one fire extinguisher with a minimum 2-A, 20-B:C rating and capacity shall be provided and available for use within twenty-five feet of every unvented kerosene heater during its operation.*

605.5.1.13 Manufacturer's instructions. *No persons shall sell or offer for sale any kerosene heater in this state unless the manufacturer has provided instructions for operating the heater and certain information about its use, which shall include the following:*

- 1. All pertinent information bearing upon the assembly and installation of the heater.*
- 2. All pertinent information bearing upon the proper operation, maintenance, and storage of the heater.*
- 3. All pertinent information which might reasonably bear upon the health or life safety of persons in the vicinity of the heater if recommended assembly, installation, operational, or maintenance procedures are not respected.*
- 4. A description of all safety features incorporated in the heater.*

5. Instructions for starting or lighting the heater, regulating its flame or heat, and turning it off or extinguishing its flame.
6. Proper fueling procedures.
7. A cautionary warning that the heater may be extremely hot while in operation; that, therefore, it may burn, injure, or damage any person or thing contacting it; and that, in particular, infants, children, physically or mentally incompetent persons, and pets should be kept away from the unit.
8. A cautionary warning that the heater may be extremely hot while in operation; that, therefore, the heat radiating from it may ignite any combustible thing in close proximity; that it should not be placed within three feet of any furniture, drapery, curtain, clothing, or other thing which is or may be combustible; that, however, the heater may be placed against or within three feet of a combustible wall, provided the heater is specifically designed for such installation or placement.
9. A cautionary warning that the heater may be extremely hot while in operation; that, therefore, no fueling procedure, including the removal of the fuel reservoir, should be carried out while the unit is operating and until it has cooled down.
10. A cautionary warning that the heater should not be moved while it is in operation.
11. A cautionary warning that neither the heater nor any surface of the heater should be used for the purpose of cooking or warming food, unless the heater is specifically designed for cooking and warming food.
12. A cautionary warning that no additive for the heater's fuel with a flashpoint below 100°F shall be used.
13. The recommended minimum room size for the Btu output of the heater.
14. The type and grade of fuel the heater is designed to use together with any safety or fire hazard which might be involved if improper fuel is used.
15. A cautionary warning for every unvented kerosene heater, warning that when the heater is in operation the combustion process uses oxygen from the space being heated and returns carbon monoxide to the atmosphere as a product of combustion; that, without adequate ventilation, the depletion of oxygen may present a risk of asphyxiation; and that carbon monoxide is a colorless, odorless, highly poisonous gas which, without adequate ventilation, may cause headaches, dizziness, and nausea, or even be fatal.

16. The ventilation requirements necessary for the safe operation of every unvented kerosene heater.

17. A cautionary warning for every unvented kerosene heater, warning that the fuel used in such heater should be restricted to No. 1-K kerosene, as prescribed in this code, or “Fresh, High Quality, Crystal Clear Kerosene.”

605.5.1.14 Issuance of citation. If the state fire marshal, his authorized representative, or a certified fire safety inspector finds that the use of an unvented kerosene heater or the storage of its fuel is not in compliance with the provisions of this chapter, the state fire marshal, his authorized representative, or a certified fire safety inspector shall issue a citation to the responsible person as authorized by Section 3737.42 of the Revised Code.”

28. Modify section 605.6.2 Heating appliance installation and maintenance as follows:

Delete “International Building Code” and insert “building code”.

Delete “International Mechanical Code” and insert “mechanical code”.

29. Modify section 605.8 Incinerators as follows:

Delete “International Building Code” and insert “building code”.

Delete “International Mechanical Code” and insert “mechanical code”.

30. Modify section 606.1 General as follows:

Delete “International Mechanical Code” and insert “mechanical code”.

31. Modify section 606.2 Where required as follows:

Delete “International Mechanical Code” and insert “mechanical code” in Exceptions 1 and 2 at all occurrences (5).

Add Exception 5 as follows:

“5. A Type II hood is permitted to be installed in lieu of a Type I hood over conveyor pizza ovens where grease laden vapors or smoke are generated in quantities that do not constitute a hazard.”

32. Modify section 608.1 Scope as follows:

Delete “International Mechanical Code” and insert “mechanical code”.

33. Modify section 608.2 Permits as follows:

Delete “Sections 105.5 and 105.6 ” and insert “Chapter I”.

34. Modify section 608.3 Refrigerants as follows:

Delete “International Mechanical Code” and insert “mechanical code”.

35. Modify section 608.4 Refrigerant classification as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

36. Modify section 608.5 Change of refrigerant type as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

37. Modify section 608.8 Emergency signs as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

38. Modify section 608.9.1 Refrigerants other than ammonia, subparagraph 1 as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

39. Modify section 608.10 Remote controls as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

40. Modify section 608.17 Electrical equipment and its Exception 1 as follows:

Delete “International Mechanical Code” and insert “*mechanical code*” at all occurrences (2).

41. Modify section 610.1.1 Installation as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.