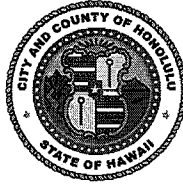


HONOLULU FIRE DEPARTMENT
KA 'OIHANA KINAI AHI O HONOLULU
CITY AND COUNTY OF HONOLULU

636 SOUTH STREET • HONOLULU, HAWAII 96813
PHONE: (808) 723-7139 • FAX: (808) 723-7111 • WEBSITE: honolulu.gov

RICK BLANGIARDI
MAYOR
MEIA



SHELDON K. HAO
FIRE CHIEF
LUNA NUI KINAI AHI

JASON SAMALA
DEPUTY FIRE CHIEF
HOPE LUNA NUI KINAI AHI

September 9, 2024

The Honorable Tommy Waters
Chair and Presiding Officer
and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawai'i 96813

Dear Chair Waters and Councilmembers:

SUBJECT: Bill for an Ordinance to Adopt Amendments to the Fire Code of
the City and County of Honolulu (City)

Submitted herewith for your favorable consideration is a bill for an ordinance to adopt amendments to Article 1 of the Fire Code of the City and County of Honolulu. The adoption process ensures that life and property are continually safeguarded from the hazards of fire, explosion, and dangerous conditions.

The following is a summary of the fire code amendments:

1. Section 20-1.1 Fire Code of the City and County of Honolulu

Amends the Fire Code of the City and County of Honolulu to be based on the State Fire Code, as adopted by the State of Hawai'i on January 20, 2023, pursuant to Chapter 132 of the Hawai'i Revised Statutes, which adopts with modifications, the 2021 National Fire Protection Association (NFPA) 1: Fire Code.

2. Section 13 Fire Protection Systems

(15) Amends Subsection 13.1.5.2 to have more explicit language for the exterior standpipe signage. Instead of the generic language, such as "STANDPIPE," the signage requirements are more detailed to assist fire fighting operations.

3. Section 13.3.2.25 High-Rise Buildings

(17) Sections 13.3.2.25.2, 13.3.2.25.2.1, 13.3.2.25.2.2, and 13.3.2.25.2.3 are amended to follow and carry out the intent of Ordinance 22-2 of the City. This ordinance addresses these sections.

DEPT. COM. 686

4. Section 13.7 Detection, Alarm, and Communications Systems

(18) Adds Subsection 13.7.1.1.1 to clarify that when a fire alarm control unit is replaced, it shall be considered as newly introduced equipment.

5. Section 13.7.3.2.1 Approval and Acceptance

(20) Amends Section 13.7.3.2.1 to require the documents as listed in NFPA 1, 2021 edition. The authorities having jurisdiction (AHJ) shall be notified prior to the installation or alteration of equipment or wiring of fire alarm systems and the documents from Sections 13.7.3.2.2 and 13.7.3.2.3 shall be required.

6. Section 18.2.3 Fire Apparatus Access Roads

(22) Amends Section 18.2.3.1.3 to permit the provisions of Sections 18.2.3.1 through 18.2.3.2.2.1 regarding fire apparatus access roads to be modified by the AHJ if it meets the conditions outlined by Subsection 18.2.3.1.3 in NFPA 1, 2021 edition. This amendment alters the requirements made by the 2021 State Fire Code amendment for this subsection and replaces it with the language in NFPA 1, 2021 edition for items (3), (4), (5), and (6). This changes square footage requirements to meet NFPA 1, 2021 edition standards.

7. Section 18.2.3.5.6 Grade

(25) Amends Section 18.2.3.5.6.1 to require fire department access roads not to exceed 10 percent in grade, unless approved by the AHJ.

8. Section 18.5.2 Buildings Other than Detached One- and Two-Family Dwellings

(27) Amending by deleting duplicate item (3) from the bottom of Section 18.5.2. This language was redundant and covered in the preceding language.

9. Section 25.1.2.1 Tents and Canopies

(30) Amends Section 25.1.2 by adding Subsection 25.1.2.1 with an exception to specify that permits are not required for temporary tents or other coverings for periods not to exceed 14 consecutive days used for private family parties or camping.

10. Section 66.1.5.1 Permits and Plans

(34) Amends Section 66.1.5.1 by deleting language regarding state conservation zoned areas. The City has no jurisdiction over state land.

The Honorable Tommy Waters
Chair and Presiding Officer
and Members
September 9, 2024
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11. Section 69.3.8 Installation of Containers

(37) Amends Section 69.3.8.1.2 by updating the language to be consistent with NFPA 1, 2021 edition. This language requires LP-Gas containers or systems that are installed within ten feet of public vehicular thoroughfares to be provided with a means of vehicular barrier protection.

Should you have questions, please contact Assistant Chief Craig Uchimura of our Support Services division at 723-7105 or cuchimura@honolulu.gov.

Sincerely,

Yoshida, Reid

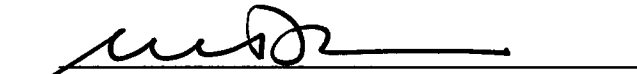
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for SHELDON K. HAO
Fire Chief

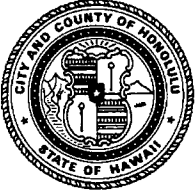
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APPROVED:



Michael D. Formby
Managing Director



A BILL FOR AN ORDINANCE

RELATING TO THE ADOPTION OF THE 2021 STATE FIRE CODE.

BE IT ORDAINED by the People of the City and County of Honolulu (City):

SECTION 1. Purpose. The purpose of this ordinance is to adopt the 2021 State Fire Code as adopted by the State of Hawai'i on January 20, 2023, subject to certain amendments that shall apply to the City.

SECTION 2. Chapter 20, Article 1, Revised Ordinances of Honolulu 1990 ("Adoption of State Fire Code"), as amended, is repealed.

SECTION 3. Chapter 20, Revised Ordinances of Honolulu 1990 ("Fire Code"), is amended by adding a new Article 1 to read as follows:

Article 1. Adoption of the State Fire Code

Sec. 20-1.1 Fire Code of the City and County of Honolulu.

The State Fire Code, as adopted by the State of Hawai'i (State) on January 20, 2023, pursuant to Chapter 132 of the Hawaii Revised Statutes (HRS), which adopts, with modifications, the 2021 National Fire Protection Association (NFPA) 1 Fire Code that is published and copyrighted by the NFPA, is adopted by reference and made a part hereof, subject to the following amendments, which, unless stated otherwise, are in the form of amendments to NFPA 1:

(1) Amending Section 1.1.2. Section 1.1.2 is amended to read:

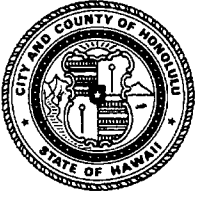
1.1.2 Title. This code shall be known and cited as the "Fire Code of the City and County of Honolulu" and will be referred to herein as "this code."

(2) Amending Section 1.10. Section 1.10 is amended to read:

1.10 Board of Appeals. See Chapter 16 (Building Code), Article 1, Revised Ordinances of Honolulu (ROH).

(3) Amending Section 1.12.8. Section 1.12.8 is amended to read:

1.12.8 Permits, Licenses, and Fees. A permit or license shall be obtained from the Honolulu Fire Department's (HFD) Fire Prevention Bureau or designated



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agency prior to engaging in the following activities, operations, practices, or functions:

1. Places of Assembly. To operate a place of assembly. For permit requirements, see Section 20.1.1.1.

Annual Permit Fee: \$200

2. Tents and Canopies. For permit requirements, see Section 25.1.2.

Permit Fee: \$200

3. Flammable and Combustible Liquid Tank Installation. For permit requirements, see Section 66.1.5.

One-time Permit Fee:

\$150 for a tank capacity of 61 to 4,999 gallons

\$200 for a tank capacity of 5,000 gallons or greater

4. Liquefied Petroleum Gas (LPG) Container (Tank) Installation. For permit requirements, refer to Section 69.1.2.

One-time Permit Fee:

\$200 for a single container or the aggregate of interconnected containers of 125-gallon water capacity or more

5. Licenses to inspect, test, and maintain the following fire protection systems:

Fire Alarm Systems - Three-Year License Fee: \$100

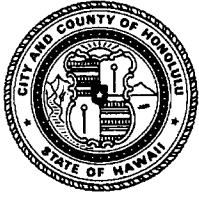
Portable Fire Extinguishers - Three-Year License Fee: \$100

Private Fire Hydrants - Three-Year License Fee: \$100

Water-Based Systems - Three-Year License Fee: \$100

Other Fire Extinguishing Systems - Three-Year License Fee: \$100

6. Fireworks. For permits and license requirements, see Chapter 20, Article 6, ROH.



HONOLULU CITY COUNCIL
KE KANIHELA O KE KALANA O HONOLULU
CITY AND COUNTY OF HONOLULU

ORDINANCE _____

BILL _____

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7. Automatic Fire Extinguishing Systems for Commercial Cooking Equipment Inspection Fee.

Initial Inspection Fee: \$100
Reinspection Fee: \$100

8. Fire Alarm Systems Acceptance Test Inspection Fee. Inspection fees are as follows:

1-100 devices or appliances:

Initial Fee: \$100
Retest Fee: \$200

101-250 devices or appliances:

Initial Fee: \$250
Retest Fee: \$250

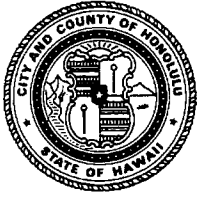
More than 250 devices or appliances:

Initial Fee: \$500
Retest Fee: \$500

9. Fire Plans Review Fee:

a. When plans or other specifications are submitted to the fire department per the building code, a plans review fee shall be paid at the time of submittal. The fees collected are hereby deemed appropriated upon receipt and may be expended for fire prevention activities relating to public education, fire investigations, plans checking, permit processing, fire inspections, and certifications.

b. The Fire Plans Review Revolving Fund is established and created herewith as a repository for such fees. The Fire Plans Review Fee shall be ten (10) percent of the building permit fee payable to the City and County of Honolulu prior to the issuance of the building permit.



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EXCEPTION: Where an automatic fire sprinkler system is elected to be installed in accordance with NFPA 13D, NFPA 13R, or NFPA 13, the Fire Plans Review Fee shall be waived.

10. Fireworks Public Display Inspection Fee. For permit requirements, see Section 20-6.12.

Inspection Fee: \$200

- (4) Amending Section 1.16.2.2. Section 1.16.2.2 is amended to read:

1.16.2.2 A copy of such order or final notice may be posted on the premises in a conspicuous place at or near the entrance to such premises, and the order or notice may be disseminated in accordance with the following:

Mailed to the last known address of the owner, occupant, or registered agent

- (5) Amending Section 1.16.4. Section 1.16.4 is amended to read:

1.16.4 Citations. Any person, firm, corporation, or entity who fails to comply with the provisions of this code or carry out an order made pursuant to this code or violates any condition attached to a permit, approval, or certificate shall be deemed guilty of a misdemeanor.

- (6) Amending Section 1.16.4.4. Section 1.16.4.4 is amended to read:

1.16.4.4 Failure to Comply. Each person, firm, corporation, or entity shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any provisions of this code is committed, continued, or permitted. Upon conviction of any such violation, such person, firm, corporation, or entity shall be punished by a fine of not more than \$1,000 or imprisonment of not more than one year or both such fine and imprisonment.

- (7) Amending Section 4.1.3.2.2.5. Section 4.1.3.2.2.5 is amended by adding Subsection 4.1.3.2.2.5.1 to read:

4.1.3.2.2.5.1 The Authority Having Jurisdiction (AHJ) may require signage to be visible at the main entrance to the building and/or tenant space. Any required signage shall be made with lettering on a contrasting background as determined by the AHJ.



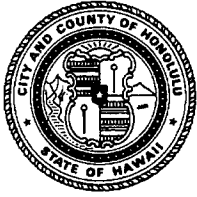
A BILL FOR AN ORDINANCE

(8) Amending Section 10.10.1. Section 10.10.1 is amended to read:

10.10.1 Open Burning Fires. Open burning shall be conducted in accordance with this section and may be prohibited when the AHJ determines such fires are a hazard.

10.10.1.1 Compliance. Open burning shall comply with the following:

1. Fires for Cooking Food. Persons responsible for such fires not contained within an appliance, such as an imu, shall notify the HFD's Fire Communication Center (FCC) 15 minutes prior to lighting such fires.
2. Fires for Recreational, Decorative, or Ceremonial Purposes. Obtain written permission from the property owner. Submit a letter to the AHJ for approval at least 14 days prior to the event, noting the date, time, and location of the fire. Persons responsible shall notify the HFD's FCC 15 minutes prior to lighting such fires.
3. Fires to Abate a Fire Hazard. Obtain written permission from the property owner. Submit a letter to the AHJ for approval at least 14 days prior to the event, noting the date, time, and location of the fire. Persons responsible shall notify the HFD's FCC 15 minutes prior to lighting such fires.
4. Fires for Prevention or Control of Disease or Pests. Obtain written permission from the property owner. Submit a letter to the AHJ for approval at least 14 days prior to the event, noting the date, time, and location of the fire. Persons responsible shall notify the HFD's FCC 15 minutes prior to lighting such fires.
5. Fires for Training of Fire Fighting Personnel. Fires for the training of fire fighting personnel shall be in accordance with NFPA 1403 and conducted only with the AHJ's approval. Persons responsible shall notify the HFD's FCC 15 minutes prior to lighting such fires.
6. Fires for Disposal of Dangerous Materials. Submit a letter to the AHJ for approval at least 14 days prior to the event, noting the date, time, and location of the fire. Persons responsible shall notify the HFD's FCC 15 minutes prior to lighting such fires.
7. Fires for Residential Bathing Purposes. Notify the HFD's FCC at least 15 minutes prior to lighting such fires.



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10.10.1.2 Responsibility. Fires for open burning allowed under Section 10.10.1 shall be the responsibility of the person igniting and maintaining the fire.

10.10.1.3 Incinerators. Private incineration is prohibited by State health laws.

EXCEPTION: Closed incinerators approved by the State Department of Health shall be in accordance with NFPA 82.

(9) Amending Section 10.10.6.1. Section 10.10.6.1 is amended to read:

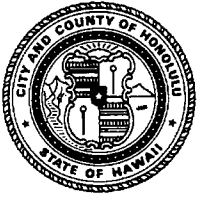
10.10.6.1 For other than one- and two-family dwellings, no hibachi, grill, or other similar devices used for cooking, heating, or any other purpose shall be used or kindled on any balcony, under any overhanging portion, or within ten feet (three meters) of any structure without the AHJ's approval.

(10) Amending Section 10.10. Section 10.10 is amended by adding Subsection 10.10.11 to read:

10.10.11 Open-Flame Performances Before a Proximate Audience.

10.10.11.1 Open-flame performances before a proximate audience shall comply with the following:

1. Performances that use an open flame, such as, but not limited to, "fire dancing" and "logo burns," shall be held outdoors or within a building protected with an automatic sprinkler system in accordance with Section 20.1.5.3.
2. Performances shall be in an area provided with at least 25 feet of clearance to readily combustible materials.
3. A minimum clearance of 25 feet shall be kept between the performance and the audience at all times. This distance may be reduced, provided an AHJ-approved noncombustible safety net is in place in accordance with Section 20.1.5.3.
 - a. Fuel shall be stored in an approved container at least 25 feet away from the performance and the audience. The quantity of fuel stored shall only suffice for a single performance.



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- b. Performers shall not throw any open-flame props over the audience.
 - 4. A fire extinguisher with a minimum 4-A: 80-BC rating shall be readily available and within 30 feet of the performance. The fire extinguisher shall be constantly attended by a competent adult trained in the use of portable fire extinguishers.
 - 5. Fire props shall be adequately extinguished immediately after performances by soaking it in a bucket of water or other approved method.
 - 6. Additional clearances and/or means of fire extinguishment shall be provided if deemed necessary by the AHJ.
- (11) Amending Section 11.12.2.2.2.1. Section 11.12.2.2.2.1 is amended by adding an exception to read:

EXCEPTION: One- and two-family dwellings shall require only one three-foot wide access pathway from the eave to the ridge on each roof slope where the photovoltaic arrays are located. The access pathway shall be located at a structurally strong location of the building, such as a bearing wall.

- (12) Amending Section 11.12.2.2.2.2. Section 11.12.2.2.2.2 is amended by adding an exception to read:

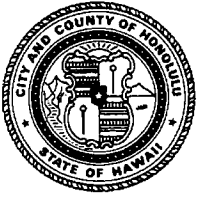
EXCEPTION: Photovoltaic arrays for one- and two-family dwellings shall be located not less than 1½ feet below the ridge.

- (13) Amending Section 12.6.9.1.1. Section 12.6.9.1.1 is amended to read:

12.6.9.1.1 Christmas tree placement within buildings shall comply with Table 12.6.9.1.1.

EXCEPTIONS:

- 1. Natural-cut Christmas trees shall be allowed in assembly occupancies that are protected throughout with an approved automatic fire sprinkler system that is installed and maintained in accordance with NFPA 13.
- 2. Natural-cut Christmas trees shall be allowed in hotel occupancies that are protected throughout with an approved automatic fire sprinkler system that



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is installed in accordance with NFPA 13. An approved fire watch shall be provided for the duration in which the Christmas trees remain in the hotel.

- (14) Amending Section 13.1.1. Section 13.1.1 is amended by adding Subsections 13.1.1.2 and 13.1.1.3 to read:

13.1.1.2 Halon and Clean Agent Systems. Condition of acceptance of halon and clean agent systems shall be satisfactory passage of a final approval of an installation test in accordance with nationally recognized standards and the manufacturer's instructions prior to final acceptance of the system. The test shall be witnessed by the AHJ.

13.1.1.3 Nonwater-based Fire Extinguishing Systems. Upon completion of the installation of a nonwater-based fire extinguishing system that is required by this code, a satisfactory final approval of the system's installation test shall be made in accordance with nationally recognized standards and the manufacturer's instructions. Nonwater-based systems include, but are not limited to, dry chemical and carbon dioxide extinguishing systems. The test shall be witnessed by the AHJ.

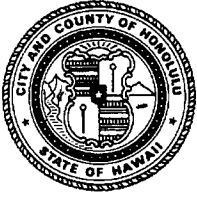
- (15) Amending Section 13.1.5. Section 13.1.5 is amended by adding Subsection 13.1.5.2 to read:

13.1.5.2 Fire department hose connections serving standpipe and sprinkler systems shall be located within 20 feet of a fire apparatus access road, not less than 18 inches and not more than 4 feet above grade, or as approved by the AHJ.

Each fire department connection shall be designated by a sign with contrasting letters at least 1 inch (25.4 millimeter) in height that reads;

For manual systems, the sign shall also indicate the system is manual and either wet or dry.

- Manual Wet Standpipe xxx psi (variable) Top Most Outlet Pressure FDC System Demand _____ GPM @ _____ PSI
- Manual Dry Standpipe xxx psi (variable) Top Most Outlet Pressure FDC System Demand _____ GPM @ _____ PSI



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If automatic sprinklers are also supplied by the fire department connection, the sign or combination of signs shall indicate both designated services,

For combination standpipe systems:

- Automatic Wet Standpipe 100 psi (variable) Top Most Outlet Pressure FDC System Demand _____ GPM @ _____ PSI and Automatic Sprinkler
- Manual Wet Standpipe 100 psi (variable) Top Most Outlet Pressure FDC System Demand _____ GPM @ _____ PSI and Automatic Sprinkler

(16) Amending Section 13.3.2.19.1. Section 13.3.2.19.1 is amended to read:

13.3.2.19.1 When required by the county building code, all new one- and two-family dwellings shall be protected throughout by an approved automatic sprinkler system in accordance with Section 13.3.2.19.2

(17) Amending Section 13.3.2.25.2. Sections 13.3.2.25.2, 13.3.2.25.2.1, 13.3.2.25.2.2, and 13.3.2.25.2.3 are amended to the extent necessary to be consistent with and carry out the intent of Ordinance 22-2 of the City.

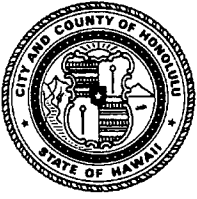
(18) Amending Section 13.7.1.1. Section 13.7.1.1 is amended by adding Subsection 13.7.1.1.1 to read:

13.7.1.1.1 When a fire alarm control unit is replaced, it shall be considered as newly introduced equipment, as stated in 1.3.6.4, and shall comply with requirements for new construction.

(19) Amending Section 13.7.1.9.5. Section 13.7.1.9.5 is further amended to read:

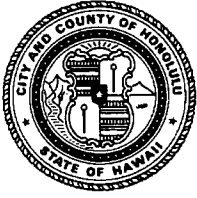
13.7.1.9.5 When approved by the AHJ and where permitted by Chapters 11 through 43 of NFPA 101, a positive alarm sequence shall be permitted, provided it is in accordance with NFPA 72. The following additional requirements shall also apply:

1. An automatic fire sprinkler system installed in conformance with the building code shall be provided throughout the building or facility.
2. Written fire emergency procedures and an evacuation plan for the building or facility shall be reviewed by the AHJ prior to approval testing. The procedures and plan shall include, but not be limited to, immediate



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- notification to the fire department, the use of primary and secondary exits, and the use of fire protection appliances for the building(s) or facility(ies).
3. Trained personnel shall respond to emergencies on a 24-hour basis. The staff shall be instructed in fire emergency procedures and the use and operation of in-house fire appliances. Documentation of such training shall be maintained and filed on the premises.
 4. Immediate notification to the fire department shall take place upon activation of any fire alarm initiating device.
 5. If a fire alarm system's initiating device is activated, acknowledgement at the control unit by trained personnel shall be accomplished within 15 seconds in order to initiate the alarm investigation phase. If the signal is not acknowledged within 15 seconds, all building or facility and remote signals shall be activated immediately and automatically (general alarm).
 6. If a fire alarm system's initiating device is activated, notification devices in that zone shall be activated. The zone notification shall include the floor of, the floor above, and the floor below the activated device. The zone notification areas may be modified with the AHJ's approval. This zone notification shall be for a maximum of three minutes, during which trained personnel shall initiate the alarm investigation phase, communicate their findings immediately to the fire department, and reset the system if appropriate. After three minutes or activation of any other initiating device(s), the fire alarm system shall be activated immediately and automatically for the entire building or facility (general alarm). At no time shall the fire alarm system be silenced until verification of the alarm is accomplished.
 7. The fire alarm system shall provide a means to bypass the positive alarm sequence and immediately activate the general alarm for the entire building or facility.
 8. The AHJ shall conduct a test of the positive alarm sequence prior to implementation.
 9. The AHJ may disapprove or rescind approval of the fire alarm system's positive alarm sequence if all of the abovementioned requirements are not met and shall require the fire alarm system to be reprogrammed to meet a general alarm notification at the owner's expense.



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- (20) Amending Section 13.7.3.2.1. Section 13.7.3.2.1 is amended to read:

13.7.3.2.1 Approval and Acceptance. The AHJ shall be notified prior to the installation or alteration of equipment or wiring [72:10.20.2]. The documentation requirements of 13.7.3.2.2 and 13.7.3.2.3 shall be required.

- (21) Amending Section 17.3.5.2.1.11 is amended by adding Subsection 17.3.5.2.1.11.6 to read:

17.3.5.2.1.11.6 Clearance of Brush or Vegetative Growth from Structures.

Persons owning, leasing, controlling, operating, or maintaining buildings or structures in, upon, or adjoining hazardous fire areas and persons owning, leasing, or controlling land adjacent to such buildings or structures shall at all times:

1. Maintain an effective firebreak by removing and clearing flammable vegetation and combustible growth from areas within 30 feet of such buildings or structures.

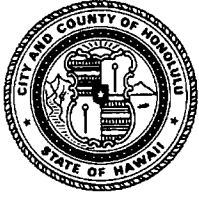
EXCEPTION: Single specimens of trees, ornamental shrubbery, or similar plants used as ground covers, provided they do not form a means of rapidly transmitting fire from the native growth to any structure.

2. Maintain additional fire protection or firebreak by removing brush, flammable vegetation, and combustible growth located from 30 to 100 feet from such buildings or structures when required by the AHJ because of hazardous conditions causing a firebreak of only 30 feet, which is insufficient to provide reasonable fire safety.

EXCEPTION: Grass and other vegetation located more than 30 feet from buildings or structures and less than 18 inches in height above the ground need not be removed where necessary to stabilize the soil and prevent erosion.

3. Remove portions of trees which extend within ten feet of a chimney's outlet.

4. Maintain trees adjacent to or overhanging a building free of deadwood.



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5. Maintain the structure's roof free of leaves, needles, or other dead vegetative growth.

(22) Amending Section 18.2.3.1.3. Section 18.2.3.1.3 is amended to read:

18.2.3.1.3 The provisions of 18.2.3.1 through 18.2.3.2.2.1 shall be permitted to be modified by the AHJ where any of the following conditions exists:

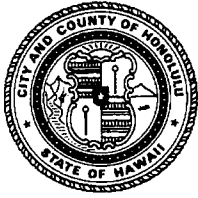
- (1) Not more than two one- and two-family dwellings protected by an approved automatic sprinkler system in accordance with Section 13.1
- (2) Not more than two existing one- and two-family dwellings
- (3) Private garages having an area not exceeding 400 ft² (37 m²)
- (4) Carports having an area not exceeding 400 ft² (37 m²)
- (5) Agricultural buildings having an area not exceeding 400 ft² (37 m²)
- (6) Sheds and other detached buildings, not classified as a residential occupancy, having an area not exceeding 400 ft² (37 m²)

(23) Amending Section 18.2.3.2.2.1. Section 18.2.3.2.2.1 is amended to read:

18.2.3.2.2.1 Automatic Sprinkler Systems. When buildings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13, NFPA 13D, or NFPA 13R, an increase in distance in Section 18.2.3.2.2 shall be permitted as set forth by the AHJ.

(24) Amending Section 18.2.3.2. Section 18.2.3.2 is amended by adding Subsection 18.2.3.2.3 to read:

18.2.3.2.3 Access for High-Piled Storage. When high-piled storage areas exceed 12,000 square feet, one or more access doors shall be provided in each 100 lineal feet, or major fraction thereof, of the exterior walls which face required access roadways. Required access doors shall be a minimum of three feet wide and six feet eight inches high. Roll-up doors shall not be allowed as access doors, unless approved by the AHJ.



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(25) Amending Section 18.2.3.5.6.1. Section 18.2.3.5.6.1 is amended to read:

18.2.3.5.6.1 Fire department access roads shall not exceed 10 percent in grade.

EXCEPTION: Grades steeper than 10 percent as approved by the AHJ

(26) Amending Section 18.4.5.1 and Subsection 18.4.5.1.1. Section 18.4.5.1 and Subsection 18.4.5.1.1 are amended to read:

18.4.5.1 One- and Two-Family Dwellings Not Exceeding 3,500 square feet (325.2 square meters).

18.4.5.1.1 The minimum fire flow and flow duration requirements for one- and two-family dwellings having a fire flow area that does not exceed 3,500 ft² (325.2 m²) shall be 1,000 gallons per minute (3,785 liters per minute) for one hour.

(27) Amending Section 18.5.2. Section 18.5.2 is amended by adding item (3) to read:

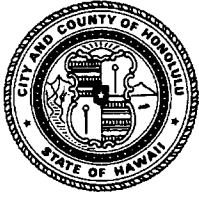
(3) When detached one- and two-family dwellings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13D, an increase in distance shall be permitted as set forth by the AHJ.

(28) Amending Section 20.1.1.1. Section 20.1.1.1 is amended to read:

20.1.1.1 Permits and Plans. A permit is required for each place of assembly with an occupant load capacity of 300 or more persons, such as restaurants, nightclubs, and dancing and drinking establishments. The permit shall be posted in a conspicuous location on the premises. At the time of applying for a permit, the applicant shall submit to the AHJ two copies of the establishment's floor plan indicating the square footage (gross), seating arrangements (if more than one seating configuration is used by the establishment), occupancy load, aisle widths, exits and access ways to exits, and compliance with other fire code requirements in accordance with Chapter 20 of this code. See also amended Section 1.12.8.

(29) Amending Section 20.1.5.10.4.1. Section 20.1.5.10.4.1 is amended to read:

20.1.5.10.4.1 Any room or area constituting an assembly, regardless of seating arrangements, shall have a permanent occupant load sign posted in a



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conspicuous place near the main exit from the room. The occupant load shall be established in accordance with the current building code.

- (30) Amending Section 25.1.2. Section 25.1.2 is amended by adding Subsection 25.1.2.1 to read:

25.1.2.1 Tents and Canopies. A permit is required to erect or operate a tent or canopy having an area in excess of 2,100 square feet. At the time of application, two copies of the plot plan shall be submitted to the AHJ indicating distances to property lines, buildings, other tents and canopies, parked vehicles, or internal combustion engines. Refer to amended Section 1.12.8.

EXCEPTION: Permits are not required for temporary tents or other coverings used for private family parties or for camping for periods not to exceed 14 consecutive days.

- (31) Amending Section 50.4.4.3.1. Section 50.4.4.3.1 is amended to read:

50.4.4.3.1 In existing systems when changes in the cooking media, positioning, operation and use, or replacement of cooking equipment, or changes in ownership occur, the fire extinguishing system shall be made to comply with Sections 50.4.4.3 and 50.4.11.

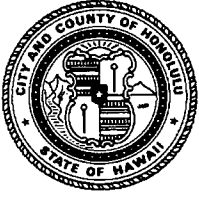
- (32) Amending Section 50.4.10.2. Section 50.4.10.2 is amended by adding Subsection 50.4.10.2.3 to read:

50.4.10.2.3 Acceptance Test. Prior to commencing initial cooking operations, a satisfactory acceptance test of the system shall be made in accordance with the manufacturer's instructions. The acceptance test shall be of an approved method and witnessed by the AHJ.

- (33) Amending Section 65.1.1. Section 65.1.1 is amended to read:

65.1.1 The storage, use, and handling of explosives, fireworks, and model rocketry shall comply with the requirements of this chapter, NFPA standards referenced within this chapter, Sections 60.1 through 60.4 of this code, and applicable county laws and rules.

- (34) Amending Section 66.1.5. Section 66.1.5 is amended by adding Subsection 66.1.5.1 to read:



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66.1.5.1 Permits and Plans. A permit is required to install or operate equipment in connection with the storage, handling, use, or sale of flammable or combustible liquids regulated under Chapter 66 of this code. Permits are not transferable, and any change in use, occupancy, operation, ownership, vendor, or capacity shall require a new permit.

At the time of application, two copies of the plot and cross-sectional plans indicating distances from property lines, buildings, other fuel tanks located on the premises, dispensers, emergency electrical shutoff, vent lines and diameter, piping, location of fire extinguisher, and necessary signage and placards shall be submitted to the AHJ.

Tank installations within the jurisdiction of the City shall be approved by the City Department of Permitting and Planning (DPP) prior to submitting an application for the HFD's flammable and combustible liquid tank installation permit.

- (35) Amending Section 69.1.1.3. Section 69.1.1.3 is amended by adding Subsection 69.1.1.3.1 to read:

69.1.1.3.1 Records. Installers shall maintain a record of installations for permits not required by Section 1.12.8, and such record shall be available for inspection by the AHJ.

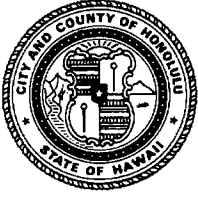
EXCEPTION: Installation of gas-burning appliances and replacement of portable cylinders.

- (36) Amending Section 69.1.2. Section 69.1.2. is amended by amending Subsection 69.1.2.1 to read:

69.1.2.1 Permits and Plans. A permit is required to install or dispense LP-Gas or maintain an LP-Gas container (tank).

EXCEPTION: A permit is not required to install or maintain a portable container or the aggregate of interconnected containers of less than a 125-gallon water capacity. Permits shall not be transferable, and any change in use, occupancy, operation, ownership, vendor, or capacity shall require a new permit. Distributors shall not fill an LP-Gas container for which a permit is required, unless a permit for installation has been issued for that location by the AHJ.

Where a single container or the aggregate of interconnected containers is of a 125-gallon water capacity or more, the installer shall submit plans to the AHJ.



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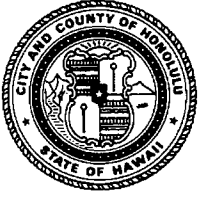
LP-Gas installations requiring a permit shall have the permit on site and available for inspection by the AHJ.

At the time of permit application, the installer shall submit to the AHJ two copies of the plot and cross-sectional plans indicating distances from property lines, buildings, other fuel tanks located on the premises, dispensers, emergency electrical shutoff, vent lines and diameter piping, location of fire extinguisher(s), and necessary signage and placards.

Container installations within the City's jurisdiction shall be approved by the DPP prior to submitting an application for the HFD's LP-Gas tank installation permit. For installations in State preservation-zoned areas, container installations shall be reviewed by the State Department of Land and Natural Resources. Refer to amended Section 1.12.8.

(37) Amending Section 69.3.8.1.2. Section 69.3.8.1.2 is amended to read:

69.3.8.1.2 LP-Gas containers or systems that are installed within 10 ft (3 m) of public vehicular thoroughfares shall be provided with a means of vehicular barrier protection in accordance with Section 60.5.1.9.”



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SECTION 4. This ordinance takes effect upon its approval.

INTRODUCED BY:

DATE OF INTRODUCTION:

Honolulu, Hawai'i

Councilmembers

APPROVED AS TO FORM AND LEGALITY:

Deputy Corporation Counsel

APPROVED this _____ day of _____, 20 ____.

RICK BLANGIARDI, Mayor
City and County of Honolulu