

AN ORDINANCE TO AMEND CHAPTER 52, ARTICLE 1 OF THE MOBILE CITY CODE

Sponsored by: Mayor Stimpson

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOBILE, ALABAMA.

AS FOLLOWS:

**ARTICLE ONE: Code and Appendices.** That pursuant to Alabama Code Section 11-45-8 (1975), the *2021 Edition of the International Property Maintenance Code* and Appendices, as amended and contained in this ordinance, which has been on file in the office of the City Clerk of the City of Mobile, Alabama, pursuant to an ordinance adopted by the City Council of the City of Mobile, Alabama, on November 8, 2022, is hereby adopted as "The Property Maintenance Code of the City of Mobile." The ordinance will become effective sixty (60) days after adoption by the City Council.

**ARTICLE TWO: Published Ordinance.** A copy of this ordinance shall be published pursuant and according to law, after its adoption, but it shall not be necessary for the said 2021 International Property Maintenance Code to be published in a newspaper, nor shall the same be spread at length upon the Minutes of this Council, but this ordinance shall be recorded in said minutes.

**ARTICLE THREE: Effective Date.** The said *Property Maintenance Code of the City of Mobile* shall be in full force and become effective sixty days after its adoption, and all ordinances heretofore adopted by the City of Mobile in conflict are hereby repealed.

CHAPTER 52, ARTICLE ONE, of the Mobile City Code, is hereby amended to read as follows:

**SECTION 101 SCOPE AND GENERAL REQUIREMENTS**

**101.1 Title.** These regulations shall be known as the *Property Maintenance Code* of the City of Mobile, hereinafter referred to as "this code."

**101.2 Scope.** The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, a reasonable level of safety from fire and other hazards, and for a reasonable level of sanitary maintenance; the responsibility of *owners*, an owner's authorized agent, *operators* and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

**101.3 Purpose.** The purpose of this code is to establish minimum requirements to provide a reasonable level of health, safety, property protection and general welfare insofar as they are affected by the continued *occupancy* and maintenance of structures and *premises*. Existing structures and *premises* that do not comply with these provisions shall be altered or repaired to provide a minimum level of health, safety and general welfare as required herein.

**101.4 Severability.** If a section, subsection, sentence, clause or phrase of this code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code.

## **SECTION 102 APPLICABILITY**

**102.1 General.** Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply. Where, in a specific case, different sections of this code specify different requirements, the most restrictive shall govern.

**102.2 Maintenance.** Equipment, systems, devices and safeguards required by this code or a previous regulation or code under which the *structure* or *premises* was constructed, altered or repaired shall be maintained in good working order. An *owner*, *owner's* authorized agent, *operator* or *occupant* shall not cause any service, facility, equipment or utility that is required under this section to be removed from, shut off from or discontinued for any occupied dwelling, except for such temporary interruption as necessary while repairs or alterations are in progress. The requirements of this code are not intended to provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures. Except as otherwise specified herein, the *owner* or the *owner's* authorized agent shall be responsible for the maintenance of buildings, structures and *premises*.

**102.3 Application of other codes.** Repairs, additions or alterations to a *structure*, or changes of *occupancy*, shall be done in accordance with the procedures and provisions of the *International Building Code*, *International Existing Building Code*, *International Energy Conservation Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Residential Code*, *International Plumbing Code* and NFPA 70 (National Electrical Code). Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code*.

**102.4 Existing remedies.** The provisions in this code shall not be construed to abolish or impair existing remedies of the jurisdiction or its officers or agencies relating to the removal or demolition of any structure that is dangerous, unsafe and insanitary.

**102.5 Workmanship.** Repairs, maintenance work, alterations or installations that are caused directly or indirectly by the enforcement of this code shall be executed and installed in a *workmanlike* manner and installed in accordance with the manufacturer's instructions.

**102.6 Structural analysis.** Where structural analysis is used to determine if an unsafe structural condition exists, the analysis shall be permitted to use nominal strengths, nominal loads, load effects, required strengths and limit states in accordance with the requirements under which the *structure* was constructed or in accordance with any subsequent requirement.

**102.7 Historic buildings.** The provisions of this code shall not be mandatory for existing buildings or structures designated as historic buildings where such buildings or structures are judged by the *code official* to be safe and in the public interest of health, safety and welfare.

**102.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 8 and considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.8.1 and 102.8.2.

**Exception:** Where enforcement of a code provision would violate the conditions of the listing of the equipment or appliance, the conditions of the listing shall apply.

**102.8.1 Conflicts.** Where conflicts occur between provisions of this code and the referenced standards, the provisions of this code shall apply.

**102.8.2 Provisions in referenced codes and standards.** Where the extent of the reference to a referenced code or standard includes subject matter that is within the scope of this code, the provisions of this code, as applicable, shall take precedence over the provisions in the referenced code or standard.

**102.9 Requirements not covered by code.** Requirements necessary for the strength, stability or proper operation of an existing fixture, *structure* or equipment, or for the public safety, health and general welfare, not specifically covered by this code, shall be determined by the *code official*.

**102.10 Application of references.** References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

**102.11 Other laws.** The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law.

## **PART 2 ADMINISTRATION AND ENFORCEMENT**

### **SECTION 103 CODE COMPLIANCE AGENCY**

**103.1 General.** The Code Compliance Agency for the City of Mobile is the Department of Municipal Enforcement and the official in charge thereof shall be known as the code official. The function of the department shall be the implementation, administration and enforcement of the provisions of this code.

**103.2 Appointment.** The code official shall be designated by the Mayor or the Mayor's designee.

**103.3 Enforcement officers.** In accordance with the prescribed procedures of this jurisdiction and

with the concurrence of the Mayor, the Code Official shall have the authority to designate enforcement officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

## **SECTION 104 FEES**

**104.1 Fees.** The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be as established by the applicable governing authority.

## **SECTION 105 DUTIES AND POWERS OF THE CODE OFFICIAL**

**105.1 General.** The *code official* is hereby authorized and directed to enforce the provisions of this code. The *code official* shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

**105.2 Inspections.** The *code official* shall make all of the required inspections, or shall accept reports of inspection by *approved* agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such *approved* agency or by the responsible individual. The *code official* is authorized to engage such expert opinion as deemed necessary to report on unusual technical issues that arise, subject to the approval of the designating authority.

**105.3 Right of entry.** Where it is necessary to make an inspection to enforce the provisions of this code, or whenever the *code official* has reasonable cause to believe that there exists in a *structure* or upon a *premises* a condition in violation of this code, the *code official* is authorized to enter the structure or *premises* at reasonable times to inspect or perform the duties imposed by this code, provided that if such *structure* or *premises* is occupied the *code official* shall present credentials to the *occupant* and request entry. If such structure or *premises* is unoccupied, the *code official* shall first make a reasonable effort to locate the *owner*, *owner's* authorized agent or other person having charge or control of the *structure* or *premises* and request entry. If entry is refused, the *code official* shall have recourse to the remedies provided by law to secure entry.

**105.4 Identification.** The *code official* shall carry proper identification when inspecting *structures* or *premises* in the performance of duties under this code.

**105.5 Notices and orders.** The *Code Official*, or his or her designee, shall issue all necessary notices of violation or orders, municipal offense tickets, citations, uniform non traffic citation and complaint, or complaints and summons to ensure compliance with this code.

**105.6 Department records.** The *code official* shall keep official records of all business and activities of the department specified in the provisions of this code. Such records shall be retained in the official records for the period required for retention of public records.

**105.7 Liability.** The *code official*, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction, in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

**105.7.1 Legal defense.** Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The *code official* or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

## **SECTION 106 APPROVAL**

**106.1 Modifications.** Whenever there are practical difficulties involved in carrying out the provisions of this code, the *code official* shall have the authority to grant modifications for individual cases upon application of the *owner* or *owner's* authorized agent, provided the *code official* shall first find that special individual reason makes the strict letter of this code impractical, the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the department files.

**106.2 Alternative materials, design and methods of construction and equipment.** The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where the *code official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not *approved*, the *code official* shall respond in writing, stating the reasons the alternative was not *approved*.

**106.3 Required testing.** Whenever there is insufficient evidence of compliance with the provisions of this code or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the *code official* shall

have the authority to require tests to be made as evidence of compliance without expense to the jurisdiction.

**106.3.1 Test methods.** Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the *code official* shall be permitted to approve appropriate testing procedures performed by an *approved* agency.

**106.3.2 Test reports.** Reports of tests shall be retained by the *code official* for the period required for retention of public records.

**106.4 Used material and equipment.** Materials that are reused shall comply with the requirements of this code for new materials. Materials, equipment and devices shall not be reused unless such elements are in good repair or have been reconditioned and tested where necessary, placed in good and proper working condition and *approved* by the *code official*.

**106.5 Approved materials and equipment.** Materials, equipment and devices *approved* by the *code official* shall be constructed and installed in accordance with such approval.

**106.6 Research reports.** Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from *approved* sources.

**SECTION 107 MEANS OF APPEAL** - Delete in its entirety

#### **SECTION 108 BOARD OF APPEALS**

**108.1 Membership of board.** The Board of Appeals, herein called the Construction Board of Appeals, shall be in accordance with the applicable sections regarding appeals of the International Building Code and the Ordinance Adopting the International Building Code.

#### **SECTION 109 VIOLATIONS**

**109.1 Unlawful acts.** It shall be unlawful for a person, firm or corporation to be in conflict with or in violation of any of the provisions of this code.

**109.2 Notice of violation.** The *Code Official* shall serve a notice of violation, order, or citation in accordance with Section 111.4.

**109.3 Prosecution of violation.** Any person failing to comply with a notice of violation or order served in accordance with Section 111.4 shall be deemed guilty of a misdemeanor or civil infraction as determined by the local municipality, and the violation shall be deemed a *strict liability offense*. If the notice of violation is not complied with, the *code official* shall institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. Any action taken by the authority having jurisdiction on such *premises* shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

**109.4 Violation penalties.** It shall be unlawful for any person to violate any provision of this code. Upon conviction, any person violating this code shall be assessed a fine of not less than \$250.00 and not more than \$500.00, plus court costs and fees. Every day a violation of this code shall continue shall constitute a separate violation and offense. This section is expressly in addition to, and is not intended to limit or in any other manner affect the provisions for civil infractions in section 109.3 herein or under law.

**109.5 Abatement of violation.** The imposition of the penalties herein prescribed shall not preclude the legal officer of the jurisdiction from instituting appropriate action to restrain, correct or abate a violation, or to prevent illegal *occupancy* of a building, *structure or premises*, or to stop an illegal act, conduct, business or utilization of the building, *structure or premises*.

## **SECTION 110 STOP WORK ORDER**

**110.1 Authority.** Where the *code official* finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the *code official* is authorized to issue a stop work order.

**110.2 Issuance.** The stop work order shall be in writing and shall be given to the *owner* of the property, to the *owner's* authorized agent, or to the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

**110.3 Emergencies.** Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

**110.4 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 fines established by the authority having jurisdiction.

## SECTION 111 UNSAFE STRUCTURES AND EQUIPMENT

**111.1 Unsafe Conditions.** When a structure or equipment is found by the *code official* to be unsafe, or when a structure is found unfit for human *occupancy*, or is found unlawful, such structure shall be *condemned* pursuant to the provisions of this code.

**111.1.1 Unsafe Structures.** An *unsafe structure* is one that is found to be dangerous to the life, health, property or safety of the public or the *occupants of the structure* by not providing minimum safeguards to protect or warn *occupants* in the event of fire, or because such structure contains unsafe equipment or is so damaged, decayed, dilapidated, structurally unsafe or of such faulty construction or unstable foundation, that partial or complete collapse is possible.

**111.1.2 Unsafe Equipment.** Unsafe equipment includes any boiler, heating equipment, elevator, moving stairway, electrical wiring or device, flammable liquid containers or other equipment on the *premises* or within the *structure* which is in such disrepair or condition that such equipment is a hazard to life, health, property or safety of the public or *occupants* of the *premises* or *structure*.

**111.1.3 Structure unfit for human occupancy.** A *structure* is unfit for human *occupancy* whenever the *code official* finds that such *structure* is unsafe, unlawful or, because of the degree to which the *structure* is in disrepair or lacks maintenance, is insanitary, vermin or rat infested, contains filth and contamination, or lacks *ventilation*, illumination, sanitary or heating facilities or other essential equipment required by this code, or because the location of the *structure* constitutes a hazard to the *occupants* of the *structure* or to the public.

**111.1.4 Unlawful structure.** An unlawful *structure* is one found in whole or in part to be occupied by more persons than permitted under this code, or was erected, altered or occupied contrary to law.

**111.1.5 Dangerous structure or premises.** For the purpose of this code, any *structure* or *premises* that has any or all of the conditions or defects described as follows shall be considered dangerous:

1. Any door, aisle, passageway, stairway, exit or other means of egress that does not conform to the *approved* building or fire code of the jurisdiction as related to the requirements for existing buildings.
2. The walking surface of any aisle, passageway, stairway, exit or other means of egress is so warped, worn loose, torn or otherwise unsafe as to not provide safe and adequate means of egress.
3. Any portion of a building, structure or appurtenance that has been damaged by fire, earthquake, wind, flood, *deterioration*, *neglect*, abandonment, vandalism or by any other cause to such an extent that it is likely to partially or completely collapse, or to become detached or dislodged.

4. Any portion of a building, or any member, appurtenance or ornamentation on the exterior thereof that is not of sufficient strength or stability, or is not so *anchored*, attached or fastened in place so as to be capable of resisting natural or artificial loads of one and one-half the original designed value.
5. The building or structure, or part of the building or structure, because of dilapidation, *deterioration*, decay, faulty construction, the removal or movement of some portion of the ground necessary for the support, or for any other reason, is likely to partially or completely collapse, or some portion of the foundation or underpinning of the building or structure is likely to fail or give way.
6. The building or *structure*, or any portion thereof, is clearly unsafe for its use and *occupancy*.
7. The building or structure is neglected, damaged, dilapidated, unsecured or abandoned so as to become an attractive nuisance to children who might play in the building or structure to their danger, becomes a harbor for vagrants, criminals or immoral persons, or enables persons to resort to the building or structure for committing a nuisance or an unlawful act.
8. Any building or structure has been constructed, exists or is maintained in violation of any specific requirement or prohibition applicable to such building or structure provided by the *approved* building or fire code of the jurisdiction, or of any law or ordinance to such an extent as to present either a substantial risk of fire, building collapse or any other threat to life and safety.
9. A building or structure, used or intended to be used for dwelling purposes, because of inadequate maintenance, dilapidation, decay, damage, faulty construction or arrangement, inadequate light, ventilation, mechanical or plumbing system, or otherwise, is determined by the *code official* to be unsanitary, unfit for human habitation or in such a condition that is likely to cause sickness or disease.
10. Any building or structure, because of a lack of sufficient or proper fire- resistance-rated construction, fire protection systems, electrical system, fuel connections, mechanical system, plumbing system or other cause, is determined by the *code official* to be a threat to life or health.
11. Any portion of a building remains on a site after the demolition or destruction of the building or structure or whenever any building or structure is abandoned so as to constitute such building or portion thereof as an attractive nuisance or hazard to the public.

**111.2 Closing of vacant structures.** If the structure is vacant and unfit for human habitation and *occupancy*, and is not in danger of structural collapse, the *code official* is authorized to post a placard of condemnation on the *premises* and order the structure closed up so as to not be an attractive nuisance in accordance with 112.2.2. Upon failure of the *owner* to close up the *premises* within twenty (20) days of the order, the *code official* shall cause the *premises* to be closed and secured through any available public agency or by contract or arrangement by private persons and

the cost thereof, plus a fee equal to all direct and indirect costs incurred with administration and enforcement of this section in regard of the structure, shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate and may be collected by any other legal resource.

**111.2.1 Authority to disconnect service utilities.** The *code official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 102.8 in case of emergency where necessary to eliminate an immediate hazard to life or property or when such utility connection has been made without approval. The *code official* shall notify the serving utility and, whenever possible, the *owner* and *occupant* of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection the *owner* or *occupant* of the building structure or service system shall be notified in writing as soon as practical thereafter.

**111.2.2 Boarding Methods Required for Commercial Property and Residential Property.**

- (a) General Requirement. Unless otherwise provided in this Chapter, all property that is unsecure shall be secured by boarding unsecure windows, doors, and other openings with sheeting material in accordance with this Section. As used herein, "sheeting material" or "sheeting" means a minimum of .177-inch thick clear or semi-clear shatter-proof polycarbonate material with a strength capable of sustaining impact without breaking or shattering, absent excessive force. Sheeting shall be installed in a manner intended to provide an appearance approximating glass in the window casings and consistent in appearance with the surrounding surface in the case of all other openings that require securing. Unless otherwise granted a waiver by the *code official* from strict compliance herewith, materials such as plywood, particle board, wafer board, Masonite or other similar material shall not be used for boarding up commercial property. Property may be boarded with polycarbonate sheeting material.
- (b) Boarding Standard - Windows.
- i. Internal Compression Method. Windows with broken, missing, or removed glass, or that are otherwise unsecure, shall be boarded as follows:
1. All remaining broken glass shall be removed from the window opening including damaged frames as to provide a clean opening;
  2. The sheeting material shall be cut to match the dimensions of the inside of the window casing so that when installed, the sheeting will fit tightly and not permit a tool to be placed behind it;
  3. A ½-inch hole shall be drilled into each of the four corners of the sheeting material. The holes shall be positioned so they are no more than 1-inch from the window frame at the width and no more than 6 inches from the window sill and top frame.

4. Two solid continuous composite cross-beams shall be cut in sufficient length to be no less than 3.5 inches longer than the horizontal width of the interior window casing and extending not longer than 6 inches longer than the horizontal width of the interior window casing. Each cross-beam shall be predrilled with 7/16-inch holes that are positioned to match the horizontal pattern of the holes in the sheeting.
5. The sheeting shall be secured in place over the exterior of the window opening by placing a 3/8-inch corrosion resistant, smooth-head carriage bolt through each of the holes in the sheeting and then placing one washer onto each of the carriage bolts; the cross-beams shall then be aligned and affixed to such carriage bolts from the interior of the window opening. Another nut and washer shall be placed onto each of the carriage bolts and tightened with a ratchet to achieve sufficient torque and a slight deflection in the cross-beams so that the nuts cannot be loosened by hand. Once secured, no space shall exist between the sheeting and the exterior window casing.
  - ii. Exterior Screw Method. Fixed or inoperable windows with intact glass; or windows in which the internal compression method is impractical shall be secured as follows:
    1. The sheeting material shall be cut to match the dimensions of the inside of the window casing so that when installed, the sheeting will fit tightly and not permit a tool to be placed behind it;
    2. Drill and countersink holes shall be made along the perimeter of the sheeting material starting with a hole at each of the four corners and adding additional holes at 10-inch increments around the perimeter of the sheeting. Minimum length 2-inch corrosion resistant security head screws shall be used in each hole to affix the sheeting to the window frame or exterior casing.
    3. In the event the sheeting cannot be secured by cutting the sheeting material so as to neatly fit the inside window casing, the sheeting shall be placed over the exterior window casing such that the sheeting material covers the entire window casing and is flush with the exterior dimension of the casing. The sheeting material shall be secured with minimum length 2-inch corrosion resistant security head screws secured at the corners, and along the sheeting outer edges in 10-inch spaced increments as described in subsection (a) above.
      - iii. Waivers. The *code official* may grant waivers from this section under, but not limited to, the following circumstances:
        1. Physical characteristics which make installation of the sheeting impractical (for example, due to excessive frame, door and/or wall damage, or windows that are in an arc or other unusual inset or characteristic);
        2. Economic Hardships; or,
        3. Unavailability of the sheeting material.

Properties the subject of the waiver may be secured in any manner, subject to the *code official's* approval, necessary to achieve substantive compliance with this chapter.

(c) Boarding Standard - Unsecure Doors; Sliding or Other Doors.

- i. Exterior Access Door. At least one exterior door shall allow authorized persons access to the interior of the Property. Such exterior access door may be secured by:
  1. Using a solid core wood or steel door with no windows or other openings in the door;
  2. Or hinged sheeting material. The door shall be securely locked using a padlock and hasp assembly that is bolted through the door or sheeting material. The lock loop portion of the hasp shall be attached to the door frame using a minimum of 3-inch long security screws.
- ii. Sliding glass doors and other exterior doors. Sliding glass doors or exterior doors other than the exterior access door shall be secured in the same manner as described in Section 112.2.2.(b).ii.

**111.3 Record.** The *code official* shall cause a report to be filed on an unsafe condition. The report shall state the *occupancy of the structure* and the nature of the unsafe condition.

**111.4 Notices and orders for violations of this code.** Whenever the *Code Official* determines that there has been a violation of this code, or has grounds to believe that a violation has occurred, notice shall be given in the manner prescribed in Sections 114.1 and 114.2 to the *owner*, the *owner's* authorized agent or the person responsible for the violation as specified in this code.

Whenever the *code official* has *condemned* a structure or equipment under the provisions of this section, notice shall be posted in a conspicuous place in or about the structure affected by such notice and served on the *owner* or the person or persons responsible for the structure or equipment in accordance with Section 110.3. If the notice pertains to equipment, it shall also be placed on the *condemned* equipment. The notice shall be in the form prescribed in Section 111.4.1 and 111.4.2. Notices for condemnation procedures shall, except in cases of Emergency Measures as described in Section 113, also comply with Section 111.4.

**111.4.1 Form.** Such notice prescribed in Section 110.1 shall be in accordance with all of the following:

1. Be in writing;
2. Include a description of the real estate sufficient for identification;
3. Include a statement of the violation or violations and why the notice is being issued;
4. Include a correction order allowing a reasonable time to make the repairs and improvements required to bring the *dwelling unit* or structure into compliance with the provisions of this code.

5. Inform the property *owner, or owner's* authorized agent of the right to appeal.
6. Include a statement of the right to file a lien in accordance with Section 106.3.

**111.4.2 Method of service.** Such notice shall be deemed to be properly served if a copy thereof is:

1. Posted in a conspicuous place in or about the structure affected by such notice; and
2. Delivered personally, or, sent by certified and first class regular U.S. mail to "occupant" at the address of the property and to the last known address of the owner(s) and all other parties with a legal interest in the property as reflected in the records of the Revenue Commissioner and Probate Court of Mobile County, Alabama.

Such notice shall be deemed to be properly served where a copy thereof is served in accordance with one of the following methods:

1. A copy is delivered personally.
2. A copy is sent by certified mail.
3. A copy is delivered in any other manner as prescribed by local law.

If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

**111.5 Unauthorized tampering.** Signs, tags or seals posted or affixed by the *code official* shall not be mutilated, destroyed or tampered with, or removed without authorization from the *code official*.

**111.6 Transfer of ownership.** It shall be unlawful for the *owner* of any *dwelling unit* or structure who has received a compliance order or upon whom a notice of violation has been served to sell, transfer, mortgage, lease or otherwise dispose of such *dwelling unit* or structure to another until the provisions of the compliance order or notice of violation have been complied with, or until such *owner* or the owner's authorized agent shall first furnish the grantee, transferee, mortgagee or lessee a true copy of any compliance order or notice of violation issued by the *code official* and shall furnish to the *code official* a signed and notarized statement from the grantee, transferee, mortgagee or lessee, acknowledging the receipt of such compliance order or notice of violation and fully accepting the responsibility without condition for making the corrections or repairs required by such compliance order or notice of violation.

**111.7 Placarding.** Upon failure of the owner, owner's authorized agent or person responsible to comply with the notice provisions within the time given, the code official shall post on the premises or on defective equipment a placarding bearing the word "Condemned" and a statement of the penalties provided for occupying the premise the premises, operating the equipment or removing the placard. Such notice shall be posted in

a conspicuous place in or about the structure affected by such notice. If the notice pertains to equipment, it shall be placed on the condemned equipment. **111.7.1 Placard removal.** The *code official* shall remove the condemnation placard whenever the defect or defects upon which the condemnation and placarding action were based have been eliminated. Any person who defaces or removes a condemnation placard without the approval of the *code official* shall be subject to the penalties provided by this code.

**111.8 Prohibited occupancy.** Any occupied structure *condemned* and placarded by the *code official* shall be vacated as ordered by the *code official*. Any person who shall occupy a placarded *premises* or shall operate placarded equipment, and any *owner* or owner's authorized agent who shall let anyone occupy a placarded *premises* or operate placarded equipment shall be liable for the penalties provided by this code.

**111.9 Restoration or abatement.** The structure or equipment determined to be unsafe by the code official is permitted to be restored to safe condition. The owner, owner's authorized agent, operator or occupant of a structure, premises or equipment deemed unsafe by the code official shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other approved corrective action. To the extent that repairs, alterations, or additions are made or a change of occupancy occurs during the restoration of the structure, such repairs, alterations, additions, or change of occupancy shall comply with the requirements of the *International Existing Building Code*.

## SECTION 112 EMERGENCY MEASURES

**112.1 Imminent danger.** When in the opinion of the *Code Official*, there is *imminent danger* of failure or collapse of a building or structure which endangers life, or when any structure or part of a structure has fallen and life is endangered by the occupation of the structure, or when there is actual or potential danger to the building *occupants* or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials, or operation of defective or dangerous equipment, the *Code Official* is hereby authorized and empowered to order and require the occupants to vacate the premises forthwith. The *Code Official* shall cause to be posted at each entrance to such structure a notice reading as follows: "This *Structure* Is Unsafe and Its *Occupancy* Has Been Prohibited by the *Code Official*." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or of demolishing the same.

**112.2 Temporary safeguards.** Notwithstanding other provisions of this code, whenever, in the opinion of the *code official*, there is *imminent danger* due to an unsafe condition, the *code official* shall order the necessary work to be done, including the boarding up of openings, to render such structure temporarily safe whether or not the legal procedure herein described has been instituted; and shall cause such other action to be taken as the *code official* deems necessary to meet such emergency.

**112.3 Closing streets.** When necessary for public safety, the *code official* shall temporarily close structures and close, or order the authority having jurisdiction to close, sidewalks, streets, *public ways* and places adjacent to unsafe structures, and prohibit the same from being utilized.

**112.4 Emergency repairs.** For the purposes of this section, the code official shall employ the necessary labor and materials to perform the required work as expeditiously as possible.

**112.5 Costs of emergency repairs.** Costs incurred in the performance of emergency work shall be paid by the jurisdiction. The legal counsel of the jurisdiction shall institute appropriate action against the owner of the premises or owner's authorized agent where the unsafe structure is or was located for the recovery of such costs.

**112.6 Hearing.** Any person ordered to take emergency measures shall comply with such order forthwith. Any affected person shall thereafter, upon petition directed to the appeals board, be afforded a hearing as described in this code.

## **SECTION 113 DEMOLITION**

**113.1 General.** The code official shall order the *owner* or *owner's* authorized agent of any premises upon which is located any structure which is located any structure, which in the code official's or owner's authorized agent judgment after review is so deteriorated or dilapidated or has become so out of repair as to be dangerous, unsafe, insanitary or otherwise unfit for human habitation or occupancy, and such that it is unreasonable to repair the structure, to demolish and remove such structure; or if such structure is capable of being made safe by repairs, to repair and make safe and sanitary, or to board up and hold for future repair or to demolish and remove at the owner's option; or where there has been a cessation of normal construction of any structure for a period of more than two years, the code official shall order the owner or owner's authorized agent to demolish and remove such structure, or board up until future repair. Boarding the building up for future repair shall not extend beyond one year, unless approved by the building official.

**113.2 Notices and orders.** Notices and orders shall comply with Section 111.4

**113.3 Failure to comply.** If the *owner* of a *premises* or owner's authorized agent fails to comply with a demolition order within the time prescribed, the code official shall cause the structure to be demolished and removed, either through an available public agency or by contract or arrangement with private persons, and the cost of such demolition and removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

**113.4 Salvage materials.** Where any structure has been ordered demolished and removed, the governing body or other designated officer under said contract or arrangement aforesaid shall have the right to sell the salvage and valuable materials. The net proceeds of such sale, after deducting the expenses of such demolition and removal, shall be promptly remitted with a report of such sale

or transaction, including the items of expense and the amounts deducted, for the person who is entitled thereto, subject to any order of a court. If such a surplus does not remain to be turned over, the report shall so state.

## **CHAPTER 2 DEFINITIONS SECTION 201 GENERAL**

**201.1 Scope.** Unless otherwise expressly stated, the following terms shall, for the purposes of this code, have the meanings shown in this chapter.

**201.2 Interchangeability.** Words stated in the present tense include the future; words stated in the masculine gender include the feminine and neuter; the singular number includes the plural and the plural, the singular.

**201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the *International Building Code*, *International Existing Building Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Plumbing Code*, *International Residential Code*, *International Zoning Code* or NFPA 70, such terms shall have the meanings ascribed to them as stated in those codes

**Exception:** When used within this code, the terms unsafe and dangerous shall have only the meanings ascribed to them in this code and shall not have the meanings ascribed to them by the International Existing Building Code.

**201.4 Terms not defined.** Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies.

**201.5 Parts.** Whenever the words "*dwelling unit*," "*dwelling*," "*premises*," "*building*," "*rooming house*," "*rooming unit*," "*housekeeping unit*" or "*story*" are stated in this code, they shall be construed as though they were followed by the words "or any part thereof."

## **SECTION 202 GENERAL DEFINITIONS**

**ANCHORED.** Secured in a manner that provides positive connection.

**APPROVED.** Acceptable to the *code official*.

**BASEMENT.** That portion of a building which is partly or completely below grade.

**BATHROOM.** A room containing plumbing fixtures including a bathtub or shower.

**BEDROOM.** Any room or space used or intended to be used for sleeping purposes in either a dwelling or *sleeping unit*.

**CODE OFFICIAL.** The official who is charged with the administration and enforcement of this code, or any duly authorized representative.

**CONDEMN.** To adjudge unfit for *occupancy*.

**COST OF SUCH DEMOLITION OR EMERGENCY REPAIRS.** The costs shall include the actual costs of the demolition or repair of the structure less revenues obtained if salvage was conducted prior to demolition or repair. Costs shall include, but not be limited to, expenses incurred or necessitated related to demolition or emergency repairs, such as asbestos survey and abatement if necessary; costs of inspectors, testing agencies or experts retained relative to the demolition or emergency repairs; costs of testing; surveys for other materials that are controlled or regulated from being dumped in a landfill; title searches; mailing(s); postings; recording; and attorney fees expended for recovering of the cost of emergency repairs or to obtain or enforce an order of demolition made by a *code official*, the governing body or board of appeals.

**DETACHED.** When a structural element is physically disconnected from another and that connection is necessary to provide a positive connection.

**DETERIORATION.** To weaken, disintegrate, corrode, rust or decay and lose effectiveness.

**DWELLING UNIT.** A single unit providing complete, independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

**EASEMENT.** That portion of land or property reserved for present or future use by a person or agency other than the legal fee *owner(s)* of the property. The *easement* shall be permitted to be for use under, on or above a said lot or lots.

**EMERGENCY ESCAPE AND RESCUE OPENING.** An operable exterior window, door or other similar device that provides for a means of escape and access for rescue in the event of an emergency.

**EQUIPMENT SUPPORT.** Those structural members or assemblies of members or manufactured elements, including braces, frames, lugs, snuggers, hangers or saddles, that transmit gravity load, lateral load and operating load between the equipment and the structure.

**EXTERIOR PROPERTY.** The open space on the *premises* and on adjoining property under the control of *owners* or *operators* of such *premises*.

**GARBAGE.** The animal or vegetable waste resulting from the handling, preparation, cooking and consumption of food.

**GUARD.** A building component or a system of building components located at or near the open sides of elevated walking surfaces that minimizes the possibility of a fall from the walking surface to a lower level.

**HABITABLE SPACE.** Space in a structure for living, sleeping, eating or cooking. *Bathrooms, toilet rooms, closets, halls, storage or utility spaces, and similar areas* are not considered *habitable spaces*.

**HAZARD LIMB.** A *tree limb* the *Urban Forester* has determined to have a structural defect and location that increases the chance of falling and hitting a target. The combination of a defect and target can result in property damage or personal injury.

**HAZARD TREE.** A *tree* the *Urban Forester* has determined to have a structural defect and location that increases the chance of falling and hitting a target. The combination of a defect and target can result in property damage or personal injury.

**HISTORIC BUILDING.** Any building or structure that is one or more of the following:

1. Listed or certified as eligible for listing, by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places, in the National Register of Historic Places.
2. Designated as historic under an applicable state or local law.
3. Certified as a contributing resource within a National Register or state or locally designated historic district.

**HOUSEKEEPING UNIT.** A room or group of rooms forming a single *habitable space* equipped and intended to be used for living, sleeping, cooking and eating which does not contain, within such a unit, a toilet, lavatory and bathtub or shower.

**IMMINENT DANGER.** A condition which could cause serious or life-threatening injury or death at any time.

**INFESTATION.** The presence, within or contiguous to, a structure or *premises* of insects, rodents, vermin or other pests.

**INOPERABLE MOTOR VEHICLE.** A vehicle which cannot be driven upon the public streets for reason including but not limited to being unlicensed, wrecked, abandoned, in a state of disrepair, or incapable of being moved under its own power.

**LABELED.** Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-*labeled* items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose.

**LET FOR OCCUPANCY or LET.** To permit, provide or offer possession or *occupancy* of a dwelling, *dwelling unit*, *rooming unit*, building, premise or structure by a person who is or is not the legal *owner* of record thereof, pursuant to a written or unwritten lease, agreement or license, or pursuant to a recorded or unrecorded agreement of contract for the sale of land.

**NEGLECT.** The lack of proper maintenance for a building or *structure*.

**OCCUPANCY.** The purpose for which a building or portion thereof is utilized or occupied.

**OCCUPANT.** Any individual living or sleeping in a building, or having possession of a space within a building.

**OPENABLE AREA.** That part of a window, skylight or door which is available for unobstructed *ventilation* and which opens directly to the outdoors.

**OPERATOR.** Any person who has charge, care or control of a structure or *premises* which is let or offered for *occupancy*.

**OWNER.** Any person, agent, firm or corporation having legal title to the real property, including any mortgage holder, bank, lien holder, company, institution, individual or other entity listed in the records of the Office of the Judge of Probate of Mobile County, and/or the estate of any deceased owner(s), and/or the last assessed owner in the property tax records of the Mobile County Revenue Commissioner.

**PERSON.** An individual, corporation, partnership or any other group acting as a unit.

**PEST ELIMINATION.** The control and elimination of insects, rodents or other pests by eliminating their harborage places; by removing or making inaccessible materials that serve as their food or water; by other *approved pest elimination* methods.

**PREMISES.** A lot, plot or parcel of land, *easement* or *public way*, including any structures thereon.

**PUBLIC WAY.** Any street, alley or similar parcel of land essentially unobstructed from the ground to the sky, which is deeded, dedicated or otherwise permanently appropriated to the public for public use.

**ROOMING HOUSE.** A building arranged or occupied for lodging, with or without meals, for compensation and not occupied as a one- or two-family dwelling.

**ROOMING UNIT.** Any room or group of rooms forming a single habitable unit occupied or intended to be occupied for sleeping or living, but not for cooking purposes.

**RUBBISH.** Combustible and noncombustible waste materials, except garbage; the term shall include the residue from the burning of wood, coal, coke and other combustible materials, paper, rags, cartons, boxes, wood, excelsior, rubber, leather, tree branches, *yard* trimmings, tin cans, metals, mineral matter, glass, crockery and dust and other similar materials.

**SLEEPING UNIT.** A room or space in which people sleep, which can also include permanent provisions for living, eating and either sanitation or kitchen facilities, but not both. Such rooms and spaces that are also part of a *dwelling unit* are not *sleeping units*.

**STRICT LIABILITY OFFENSE.** An offense in which the prosecution in a legal proceeding is not required to prove criminal intent as a part of its case. It is enough to prove that the defendant either did an act which was prohibited, or failed to do an act which the defendant was legally required to do.

**STRUCTURE.** That which is built or constructed.

**TENANT.** A person, corporation, partnership or group, whether or not the legal *owner* of record, occupying a building or portion thereof as a unit.

**TOILET ROOM.** A room containing a water closet or urinal but not a bathtub or shower.

**TREE.** A large woody perennial plant that grows to a mature height greater than 16 feet and typically has a single erect main stem (trunk) with side branches.

**TREE LIMB.** Any of the main branches arising from the main stem (trunk) of the tree.

**ULTIMATE DEFORMATION.** The deformation at which failure occurs and which shall be deemed to occur if the sustainable load reduces to 80 percent or less of the maximum strength.

**URBAN FORESTER.** The City of Mobile employee specially trained in forestry, urban forestry, arboriculture and urbiculture, or his/her duly authorized designee.

**VENTILATION.** The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space.

**WORKMANLIKE.** Executed in a skilled manner; e.g., generally plumb, level, square, in line, undamaged and without marring adjacent work.

**YARD.** An open space on the same lot with a structure.

### **CHAPTER 3 GENERAL REQUIREMENTS SECTION 301 GENERAL**

**301.1 Scope.** The provisions of this chapter shall govern the minimum conditions and the responsibilities of persons for maintenance of structures, equipment and *exterior property*.

**301.2 Responsibility.** The *owner* of the *premises* shall maintain the structures and *exterior property* in compliance with these requirements, except as otherwise provided for in this code. A person shall not occupy as owner-occupant or permit another person to occupy premises that are not in a sanitary and safe condition and that do not comply with the requirements of this chapter. *Occupants* of a *dwelling unit*, *rooming unit* or *housekeeping unit* are responsible for keeping in a clean, sanitary and safe condition that part of the *dwelling unit*, *rooming unit*, *housekeeping unit* or *premises* they occupy and control.

**301.3 Vacant structures and land.** Vacant structures and *premises* thereof or vacant land shall be maintained in a clean, safe, secure and sanitary condition as provided herein so as not to cause a blighting problem or adversely affect the public health or safety.

## **SECTION 302 EXTERIOR PROPERTY AREAS**

**302.1 Sanitation.** *Exterior property and premises* shall be maintained in a clean, safe and sanitary condition. The occupant shall keep that part of the exterior property that such occupant occupies or controls in a clean and sanitary condition.

**302.2 Grading and drainage.** *Premises* shall be graded and maintained to prevent the erosion of soil and to prevent the accumulation of stagnant water thereon, or within any structure located thereon.

**Exception:** *Approved* retention areas and reservoirs.

**302.3 Sidewalks and driveways.** Sidewalks, walkways, stairs, driveways, parking spaces and similar areas shall be kept in a proper state of repair, and maintained free from hazardous conditions.

**302.5 Rodent harborage.** Structures and *exterior property* shall be kept free from rodent harborage and *infestation*. Where rodents are found, they shall be promptly exterminated by *approved* processes that will not be injurious to human health. After pest elimination, proper precautions shall be taken to eliminate rodent harborage and prevent reinfestation.

**302.6 Exhaust vents.** Pipes, ducts, conductors, fans or blowers shall not discharge gases, steam, vapor, hot air, grease, smoke, odors or other gaseous or particulate wastes directly upon abutting or adjacent public or private property or that of another tenant.

**302.7 Accessory structures.** Accessory structures, including *detached* garages, fences and walls, shall be maintained structurally sound and in good repair.

**302.8 Motor vehicles.** Except as provided for in other regulations, inoperative or unlicensed motor vehicles shall not be parked, kept or stored on any premises, and vehicles shall not at any time be in a state of major disassembly, disrepair, or in the process of being stripped or dismantled. Painting of vehicles is prohibited unless conducted inside an approved spray booth.

**Exception:** A vehicle of any type is permitted to undergo major overhaul, including body work, provided that such work is performed inside a structure or similarly enclosed area designed and *approved* for such purposes.

**302.9 Defacement of property.** A person shall not willfully or wantonly damage, mutilate or deface any exterior surface of any structure or building on any private or public property by placing thereon any marking, carving or graffiti. It shall be the responsibility of the *owner* to restore said surface to an *approved* state of maintenance and repair.

**302.10 Hazard tree.** Any dead or *hazard tree* located on the *premises* which has the possibility to fall into the public way or right-of-way shall be removed. Failure to remove the *hazard tree* after receiving a notice of violation from the *urban forester* shall constitute a violation of this code section.

**302.11 Hazard limb.** Any dead or *hazard tree* limb 2 inches in diameter or larger that is attached to a tree located on the *premises* which has the possibility to fall into the public way or right-of-way shall be removed. Failure to remove the *hazard limb* after receiving a notice of violation from the *urban forester* shall constitute a violation of this code section.

### **SECTION 303 SWIMMING POOLS, SPAS AND HOT TUBS**

**303.1 Swimming pools.** Swimming pools shall be maintained in a clean and sanitary condition, and in good repair.

**303.2 Enclosures.** Private swimming pools, hot tubs and spas, containing water more than 24 inches (610 mm) in depth shall be completely surrounded by a fence or barrier not less than 48 inches (1219 mm) in height above the finished ground level measured on the side of the barrier away from the pool. Gates and doors in such barriers shall be self-closing and self-latching. Where the self-latching device is less than 54 inches (1372 mm) above the bottom of the gate, the release mechanism shall be located on the pool side of the gate. Self-closing and self-latching gates shall be maintained such that the gate will positively close and latch when released from an open position of 6 inches (152 mm) from the gatepost. An existing pool enclosure shall not be removed, replaced or changed in a manner that reduces its effectiveness as a safety barrier.

**Exception:** Spas or hot tubs with a safety cover that complies with ASTM F 1346 shall be exempt from the provisions of this section.

### **SECTION 304 EXTERIOR STRUCTURE**

**304.1 General.** The exterior of a structure shall be maintained in good repair, structurally sound and sanitary so as not to pose a threat to the public health, safety or welfare.

**304.1.1 Unsafe conditions.** The following conditions shall be determined as unsafe and shall be repaired or replaced to comply with the *International Building Code* or the *International Existing Building Code* as required for existing buildings:

1. The nominal strength of any structural member is exceeded by nominal loads, the load effects or the required strength;
2. The *anchorage* of the floor or roof to walls or columns, and of walls and columns to foundations is not capable of resisting all nominal loads or load effects;
3. Structures or components thereof that have reached their limit state;

4. Siding and masonry joints including joints between the building envelope and the perimeter of windows, doors and skylights are not maintained, weather resistant or water tight;
5. Structural members that have evidence of *deterioration* or that are not capable of safely supporting all nominal loads and load effects;
6. Foundation systems that are not firmly supported by footings, are not plumb and free from open cracks and breaks, are not properly *anchored* or are not capable of supporting all nominal loads and resisting all load effects;
7. Exterior walls that are not *anchored* to supporting and supported elements or are not plumb and free of holes, cracks or breaks and loose or rotting materials, are not properly anchored or are not capable of supporting all nominal loads and resisting all load effects;
8. Roofing or roofing components that have defects that admit rain, roof surfaces with inadequate drainage, or any portion of the roof framing that is not in good repair with signs of *deterioration*, fatigue or without proper anchorage and incapable of supporting all nominal loads and resisting all load effects;
9. Flooring and flooring components with defects that affect serviceability or flooring components that show signs of *deterioration* or fatigue, are not properly *anchored* or are incapable of supporting all nominal loads and resisting all load effects;
10. Veneer, cornices, belt courses, corbels, trim, wall facings and similar decorative features not properly anchored or that are *anchored* with connections not capable of supporting all nominal loads and resisting all load effects;
11. Overhang extensions or projections including, but not limited to, trash chutes, canopies, marquees, signs, awnings, fire escapes, standpipes and exhaust ducts not properly *anchored* or that are *anchored* with connections not capable of supporting all nominal loads and resisting all load effects;
12. Exterior stairs, decks, porches, balconies and all similar appurtenances attached thereto, including *guards* and handrails, are not structurally sound, not properly *anchored* or that are *anchored* with connections not capable of supporting all nominal loads and resisting all load effects;
13. Chimneys, cooling towers, smokestacks and similar appurtenances not structurally sound or not properly *anchored*, or that are anchored with connections not capable of supporting all nominal loads and resisting all load effects.

**Exceptions:**

1. Where substantiated otherwise by an *approved* method.
2. Demolition of unsafe conditions shall be permitted where *approved* by the code *official*.

**304.4 Structural members.** Structural members shall be maintained free from *deterioration*, and shall be capable of safely supporting the imposed dead and live loads.

**304.5 Foundation walls.** Foundation walls shall be maintained plumb and free from open cracks and breaks and shall be kept in such condition so as to prevent the entry of rodents and other pests.

**304.6 Exterior walls.** Exterior walls shall be free from holes, breaks, and loose or rotting materials; and maintained weatherproof and properly surface coated where required to prevent *deterioration*.

**304.7 Roofs and drainage.** The roof and flashing shall be sound, tight and not have defects that admit rain. Roof drainage shall be adequate to prevent dampness or *deterioration* in the walls or interior portion of the structure. Roof drains, gutters and downspouts shall be maintained in good repair and free from obstructions. Roof water shall not be discharged in a manner that creates a public nuisance.

**304.8 Decorative features.** Cornices, belt courses, corbels, terra cotta trim, wall facings and similar decorative features shall be maintained in good repair with proper anchorage and in a safe condition.

**304.9 Overhang extensions.** Overhang extensions including, but not limited to, canopies, marquees, signs, metal awnings, fire escapes, standpipes and exhaust ducts shall be maintained in good repair and be properly *anchored* so as to be kept in a sound condition. Where required, all exposed surfaces of metal or wood shall be protected from the elements and against decay or rust by periodic application of weather-coating materials, such as paint or similar surface treatment.

**304.10 Stairways, decks, porches and balconies.** Every exterior stairway, deck, porch and balcony, and all appurtenances attached thereto, shall be maintained structurally sound, in good repair, with proper anchorage and capable of supporting the imposed loads.

**304.11 Chimneys and towers.** Chimneys, cooling towers, smoke stacks, and similar appurtenances shall be maintained structurally safe and sound, and in good repair. Exposed surfaces of metal or wood shall be protected from the elements and against decay or rust by periodic application of weather-coating materials, such as paint or similar surface treatment.

**304.12 Handrails and guards.** Every handrail and *guard* shall be firmly fastened and capable of supporting normally imposed loads and shall be maintained in good condition.

**304.13 Window, skylight and door frames.** Every window, skylight, door and frame shall be kept in sound condition, good repair and weather tight.

**304.13.1 Glazing.** Glazing materials shall be maintained free from cracks and holes.

**304.13.2 Openable windows.** Every window, other than a fixed window, shall be easily openable and capable of being held in position by window hardware.

**304.14 Insect screens.** Dwelling units which do not have a central air conditioning system shall have tightly fitting 16 mesh per inch (16 mesh per 25 mm) screens on all exterior openable windows and doors used or required for ventilation. Screens on windows and doors shall be stretched and fitted and maintained without open rips or tears. A closing device shall be installed on all screen doors.

**Exception:** Screens shall not be required where other *approved* means, such as air curtains or insect repellent fans, are employed.

**304.15 Doors.** Exterior doors, door assemblies, operator systems if provided, and hardware shall be maintained in good condition. Locks at all entrances to dwelling units and sleeping units shall tightly secure the door. Locks on means of egress doors shall be in accordance with Section 702.3.

**304.16 Basement hatchways.** Every *basement* hatchway shall be maintained to prevent the entrance of rodents, rain and surface drainage water.

**304.17 Guards for basement windows.** Every *basement* window that is openable shall be supplied with rodent shields, storm windows or other *approved* protection against the entry of rodents.

**304.18 Building security.** Doors, windows or hatchways for dwelling units, room units or *housekeeping units* shall be provided with *devices* designed to provide security for the *occupants* and property within.

**304.18.1 Doors.** Doors providing access to a *dwelling unit, rooming unit* or *housekeeping unit* that is rented, leased or let shall be equipped with a deadbolt lock designed to be readily openable from the side from which egress is to be made without the need for keys, special knowledge or effort and shall have a minimum lock throw of 1 inch (25 mm). Such deadbolt locks shall be installed according to the manufacturer's specifications and maintained in good working order. For the purpose of this section, a sliding bolt shall not be considered an acceptable deadbolt lock.

**304.18.2 Windows.** Operable windows located in whole or in part within 6 feet (1828 mm) above ground level or a walking surface below that provide access to a *dwelling unit*, *rooming unit* or *housekeeping unit* that is rented, leased or let shall be equipped with a window sash locking device.

**304.18.3 Basement hatchways.** *Basement* hatchways that provide access to a *dwelling unit*, *rooming unit* or *housekeeping unit* that is rented, leased or let shall be equipped with devices that secure the units from unauthorized entry.

**304.19 Gates.** Exterior gates, gate assemblies, operator systems if provided, and hardware shall be maintained in good condition. Latches at all entrances shall tightly secure the gates.

## **SECTION 305 INTERIOR STRUCTURE**

**305.1 General.** The interior of a structure and equipment therein shall be maintained in good repair, structurally sound and in a sanitary condition. *Occupants* shall keep that part of the structure that they occupy or control in a clean and sanitary condition. Every owner of a structure containing a *rooming house*, *housekeeping units*, a hotel, a dormitory, two or more *dwelling units* or two or more nonresidential occupancies, shall maintain, in a clean and sanitary condition, the shared or public areas of the structure and *exterior* property.

**305.1.1 Unsafe Conditions.** The following conditions shall be determined as unsafe and shall be repaired or replaced to comply with the *International Building Code* or the *International Existing Building Code* as required for existing buildings:

1. The nominal strength of any structural member is exceeded by nominal loads, the load effects or the required strength;
2. The anchorage of the floor or roof to walls or columns, and of walls and columns to foundations is not capable of resisting all nominal loads or load effects;
3. Structures or components thereof that have reached their limit state;
4. Structural members are incapable of supporting nominal loads and load effects;
5. Stairs, landings, balconies and all similar walking surfaces, including *guards* and handrails, are not structurally sound, not properly *anchored* or are *anchored* with connections not capable of supporting all nominal loads and resisting all load effects;
6. Foundation systems that are not firmly supported by footings are not plumb and free from open cracks and breaks, are not properly *anchored* or are not capable of supporting all nominal loads and resisting all load effects.

### **Exceptions:**

1. Where substantiated otherwise by an *approved* method.
2. Demolition of unsafe conditions shall be permitted when *approved* by the *code official*.

**305.2 Structural members.** Structural members shall be maintained structurally sound, and be capable of supporting the imposed loads.

**305.3 Interior surfaces.** Interior surfaces, including windows and doors, shall be maintained in good, clean and sanitary condition. Peeling, chipping, flaking or abraded paint shall be repaired, removed or covered. Cracked or loose plaster, decayed wood and other defective surface conditions shall be corrected.

**305.4 Stairs and walking surfaces.** Every stair, ramp, landing, balcony, porch, deck or other walking surface shall be maintained in sound condition and good repair.

**305.5 Handrails and guards.** Every handrail and *guard* shall be firmly fastened and capable of supporting normally imposed loads and shall be maintained in good condition.

**305.6 Interior doors.** Every interior door shall fit reasonably well within its frame and shall be capable of being opened and closed by being properly and securely attached to jambs, headers or tracks as intended by the manufacturer of the attachment hardware.

## **SECTION 306 COMPONENT SERVICEABILITY**

**306.1 General.** The components of a structure and equipment therein shall be maintained in good repair, structurally sound and in a sanitary condition.

**306.1.1 Unsafe Conditions.** Where any of the following conditions cause the component or system to be beyond its limit state, the component or system shall be determined as unsafe and shall be repaired or replaced to comply with the *International Building Code* or the *International Existing Building Code* as required for existing buildings:

1. Soils that have been subjected to any of the following conditions:
  - 1.1. Collapse of footing or foundation system;
  - 1.2. Damage to footing, foundation, concrete or other structural element due to soil expansion;
  - 1.3. Adverse effects to the design strength of footing, foundation, concrete or other structural element due to a chemical reaction from the soil;
  - 1.4. Inadequate soil as determined by a geotechnical investigation;
  - 1.5. Where the allowable bearing capacity of the soil is in doubt;
  - 1.6. Adverse effects to the footing, foundation, concrete or other structural element due to the ground water table.
  
2. Concrete that has been subjected to any of the following conditions:

- 2.1. *Deterioration*;
  - 2.2. *Ultimate deformation*;
  - 2.3. Fractures;
  - 2.4. Fissures;
  - 2.5. Spalling;
  - 2.6. Exposed reinforcement;
  - 2.7. *Detached*, dislodged or failing connections.
3. Aluminum that has been subjected to any of the following conditions:
- 3.1. *Deterioration*;
  - 3.2. Corrosion;
  - 3.3. Elastic deformation;
  - 3.4. *Ultimate deformation*;
  - 3.5. Stress or strain cracks;
  - 3.6. Joint fatigue;
  - 3.7. *Detached*, dislodged or failing connections.
4. Masonry that has been subjected to any of the following conditions:
- 4.1. *Deterioration*;
  - 4.2. Ultimate deformation;
  - 4.3. Fractures in masonry or mortar joints;
  - 4.4. Fissures in masonry or mortar joints;
  - 4.5. Spalling;
  - 4.6. Exposed reinforcement;
  - 4.7. *Detached*, dislodged or failing connections.
5. Steel that has been subjected to any of the following conditions:
- 5.1. *Deterioration*;
  - 5.2. Elastic deformation;
  - 5.3. *Ultimate deformation*;
  - 5.4. Metal fatigue;
  - 5.5. *Detached*, dislodged or failing connections.
6. Wood that has been subjected to any of the following conditions:
- 6.1. *Ultimate deformation*;

- 6.2. *Deterioration*;
- 6.3. Damage from insects, rodents and other vermin;
- 6.4. Fire damage beyond charring;
- 6.5. Significant splits and checks;
- 6.6. Horizontal shear cracks;
- 6.7. Vertical shear cracks;
- 6.8. Inadequate support;
- 6.9. *Detached*, dislodged or failing connections;
- 6.10. Excessive cutting and notching.

**Exceptions:**

1. Where substantiated otherwise by an approved method.
2. Demolition of unsafe conditions shall be permitted where approved by the code official.

## **SECTION 307 HANDRAILS AND GUARDRAILS**

**307.1 General.** Every exterior and interior flight of stairs having more than four risers shall have a handrail on one side of the stair and every open portion of a stair, landing, balcony, porch, deck, ramp or other walking surface that is more than 30 inches (762 mm) above the floor or grade below shall have *guards*. Handrails shall be not less than 30 inches (762 mm) in height or more than 42 inches (1067 mm) in height measured vertically above the nosing of the tread or above the finished floor of the landing or walking surfaces. *Guards* shall be not less than 30 inches (762 mm) in height above the floor of the landing, balcony, porch, deck, or ramp or other walking surface.

**Exception:** *Guards* shall not be required where exempted by the adopted building code.

## **SECTION 309 PEST ELIMINATION**

**309.1 Infestation.** Structures shall be kept free from insect and rodent *infestation*. Structures in which insects or rodents are found shall be promptly exterminated by *approved* processes that will not be injurious to human health. After pest elimination, proper precautions shall be taken to prevent reinfestation.

**309.2 Owner.** The *owner* of any structure shall be responsible for pest elimination within the structure prior to renting or leasing the structure.

**309.3 Single Occupant.** The *occupant* of a one-family dwelling or of a single-tenant nonresidential structure shall be responsible for pest elimination on the *premises*.

**309.4 Multiple Occupancy.** The *owner* of a structure containing two or more *dwelling units*, a multiple *occupancy*, a *rooming house* or a nonresidential structure shall be responsible for pest elimination in the public or shared areas of the structure and *exterior* property. If *infestation* is caused by failure of an *occupant* to prevent such *infestation* in the area occupied, the *occupant* and *owner* shall be responsible for pest elimination.

**309.5 Occupant.** The *occupant* of any structure shall be responsible for the continued rodent and pest-free condition of the structure.

**Exception:** Where the *infestations* are caused by defects in the structure, the owner shall be responsible for pest elimination.

## CHAPTER 4 LIGHT, VENTILATION AND OCCUPANCY LIMITATIONS SECTION

### 401 GENERAL

**401.1 Scope.** The provisions of this chapter shall govern the minimum conditions and standards for light, *ventilation* and space for occupying a structure.

**401.2 Responsibility.** The *owner* of the structure shall provide and maintain light, *ventilation* and space conditions in compliance with these requirements. A person shall not occupy as *owneroccupant*, or permit another person to occupy, any *premises* that do not comply with the requirements of this chapter.

**401.3 Alternative devices.** In lieu of the means for natural light and *ventilation* herein prescribed, artificial light or mechanical *ventilation* complying with the *International Building Code* shall be permitted.

### SECTION 402 LIGHT

**402.1 Habitable spaces.** Every *habitable* space shall have not less than one window of *approved* size facing directly to the outdoors or to a court. The minimum total glazed area for every *habitable* space shall be 8 percent of the floor area of such room. Wherever walls or other portions of a structure face a window of any room and such obstructions are located less than 3 feet (914 mm) from the window and extend to a level above that of the ceiling of the room, such window shall not be deemed to face directly to the outdoors nor to a court and shall not be included as contributing to the required minimum total window area for the room.

**Exception:** Where natural light for rooms or spaces without exterior glazing areas is provided through an adjoining room, the unobstructed opening to the adjoining room shall be not less than 8 percent of the floor area of the interior room or space, or not less than 25 square feet (2.33 m<sup>2</sup>), whichever is greater. The exterior glazing area shall be based on the total floor area being served.

**402.2 Common halls and stairways.** Every common hall and stairway in residential occupancies, other than in one and two-family dwellings, shall be lighted at all times with not less than a 60watt standard incandescent light bulb for each 200 square feet (19 m<sup>2</sup>) of floor area or equivalent

illumination, provided that the spacing between lights shall not be greater than 30 feet (9144 mm). In other than residential occupancies, interior and exterior means of egress, stairways shall be illuminated at all times the building space served by the means of egress is occupied with not less than 1 footcandle (11 lux) at floors, landings and treads.

**402.3 Other spaces.** All other spaces shall be provided with natural or artificial light sufficient to permit the maintenance of sanitary conditions, and the safe occupancy of the space and utilization of the appliances, equipment and fixtures.

## SECTION 403 VENTILATION

**403.1 Habitable spaces.** Every *habitable* space shall have not less than one operable window. The total operable area of the window in every room shall be equal to not less than 45 percent of the minimum glazed area required in Section 402.1.

**Exception:** Where rooms and spaces without openings to the outdoors are ventilated through an adjoining room, the unobstructed opening to the adjoining room shall be not less than 8 percent of the floor area of the interior room or space, but not less than 25 square feet (2.33 m<sup>2</sup>). The *ventilation* openings to the outdoors shall be based on a total floor area being ventilated.

**403.2 Bathrooms and toilet rooms.** Every *bathroom* and *toilet room* shall comply with the *ventilation* requirements for *habitable* spaces as required by Section 403.1, except that a window shall not be required in such spaces equipped with a mechanical *ventilation* system. Air exhausted by a mechanical ventilation system from a *bathroom* or *toilet room* shall discharge to the outdoors and shall not be recirculated.

**403.3 Cooking facilities.** Unless *approved* through the certificate of *occupancy*, cooking shall not be permitted in any *rooming unit* or dormitory unit, and a cooking facility or appliance shall not be permitted to be present in the *rooming unit* or dormitory unit.

### Exceptions:

1. Where specifically *approved* in writing by the *code official*.
2. Devices such as coffee pots and microwave ovens shall not be considered cooking appliances.

**403.4 Process ventilation.** Where injurious, toxic, irritating or noxious fumes, gases, dusts or mists are generated, a local exhaust *ventilation* system shall be provided to remove the contaminating agent at the source. Air shall be exhausted to the exterior and not be recirculated to any space.

**403.5 Clothes Dryer Exhaust.** Clothes dryer exhaust systems shall be independent of all other systems and shall be exhausted outside the structure in accordance with the manufacturer's instructions.

**Exception:** Listed and *labeled* condensing (ductless) clothes dryers.

## SECTION 404 OCCUPANCY LIMITATIONS

**404.1 Privacy.** *Dwelling units*, hotel units, *housekeeping units*, *rooming units* and dormitory units shall be arranged to provide privacy and be separate from other adjoining spaces.

**404.2 Minimum room widths.** A habitable room, other than a kitchen, shall be not less than 7 feet (2134 mm) in any plan dimension. Kitchens shall have a minimum clear passageway of 3 feet (914 mm) between counterfronts and appliances or counterfronts and walls.

**404.3 Minimum ceiling heights.** *Habitable spaces*, hallways, corridors, laundry areas, *bathrooms*, *toilet rooms* and habitable basement areas shall have a minimum clear ceiling height of 7 feet (2134 mm).

### **Exceptions:**

1. In one- and two-family dwellings, beams or girders spaced not less than 4 feet (1219 mm) on center and projecting not greater than 6 inches (152 mm) below the required ceiling height.
2. *Basement* rooms in one- and two-family dwellings occupied exclusively for laundry, study or recreation purposes, having a minimum ceiling height of 6 feet 8 inches (2033 mm) with a minimum clear height of 6 feet 4 inches (1932 mm) under beams, girders, ducts and similar obstructions.
3. Rooms occupied exclusively for sleeping, study or similar purposes and having a sloped ceiling over all or part of the room, with a minimum clear ceiling height of 7 feet (2134 mm) over not less than one-third of the required minimum floor area. In calculating the floor area of such rooms, only those portions of the floor area with a minimum clear ceiling height of 5 feet (1524 mm) shall be included.

**404.4 Bedroom and living room requirements.** Every bedroom and living room shall comply with the requirements of Sections 404.4.1 through 404.4.5.

**404.4.1 Room area.** Every living room shall contain not less than 120 square feet (11.2 m<sup>2</sup>) and every bedroom shall contain not less than 70 square feet (6.5 m<sup>2</sup>) and every bedroom occupied by more than one person shall contain not less than 50 square feet (4.6 m<sup>2</sup>) of floor area for each occupant thereof.

**404.4.2 Access from bedrooms.** *Bedrooms* shall not constitute the only means of access to other *bedrooms* or habitable spaces and shall not serve as the only means of egress from other *habitable* spaces.

**Exception:** Units that contain fewer than two *bedrooms*.

**404.4.3 Water closet accessibility.** Every *bedroom* shall have access to not less than one water closet and one lavatory without passing through another *bedroom*. Every *bedroom* in a *dwelling unit* shall have access to not less than one water closet and lavatory located in the same story as the *bedroom* or an adjacent story.

**404.4.4 Prohibited occupancy.** Kitchens and nonhabitable spaces shall not be used for sleeping purposes.

**404.4.5 Other requirements.** *Bedrooms* shall comply with the applicable provisions of this code including, but not limited to, the light, *ventilation*, room area, ceiling height and room width requirements of this chapter; the plumbing facilities and water-heating facilities requirements of Chapter 5; the heating facilities and electrical receptacle requirements of Chapter 6; and the smoke detector and emergency escape requirements of Chapter 7.

**404.5 Overcrowding.**

Dwelling units shall not be occupied by more occupants than permitted by the minimum area requirements of Table 404.5.

**TABLE 404.5 MINIMUM AREA REQUIREMENTS**

| SPACE                       | MINIMUM AREA IN SQUARE FEET       |               |                     |
|-----------------------------|-----------------------------------|---------------|---------------------|
|                             | 1—2 occupants                     | 3—5 occupants | 6 or more occupants |
| Living room <sup>a, b</sup> | 120                               | 120           | 150                 |
| Dining room <sup>a, b</sup> | No requirement                    | 80            | 100                 |
| Bedrooms                    | Shall comply with section 404.4.1 |               |                     |

For SI: 1 square foot = 0.0929 m<sup>2</sup>.

- a. See Section 404.5.2 for combined living room/dining room spaces.
- b. See Section 404.5.1 for limitations on determining the minimum occupancy area for sleeping purposes.

**404.5.1 Sleeping area.** The minimum occupancy area required by Table 404.5 shall not be included as a sleeping area in determining the minimum occupancy area for sleeping purposes. Sleeping areas shall comply with Section 404.4.

**404.5.2 Combined spaces.** Combined living room and dining room spaces shall comply with the requirements of Table 404.5 if the total area is equal to that required for separate rooms and if the space is located so as to function as a combination living room/dining room.

**404.6 Efficiency unit.** Nothing in this section shall prohibit an efficiency living unit from meeting the following requirements:

1. A unit occupied by not more than one occupant shall have a minimum clear floor area of 120 square feet (11.2 m<sup>2</sup>). A unit occupied by not more than two *occupants* shall have a minimum clear floor area of 220 square feet (20.4 m<sup>2</sup>). A unit occupied by three *occupants* shall have a minimum clear floor area of 320 square feet (29.7 m<sup>2</sup>). These required areas shall be exclusive of the areas required by Items 2 and 3.
2. The unit shall be provided with a kitchen sink, cooking appliance and refrigeration facilities, each having a minimum clear working space of 30 inches (762 mm) in front. Light and ventilation conforming to this code shall be provided.
3. The unit shall be provided with a separate *bathroom* containing a water closet, lavatory and bathtub or shower.
4. The maximum number of *occupants* shall be three.

**404.7 Food preparation.** Spaces to be occupied for food preparation purposes shall contain suitable space and equipment to store, prepare and serve foods in a sanitary manner. There shall be adequate facilities and services for the sanitary disposal of food wastes and refuse, including facilities for temporary storage.

## **CHAPTER 5 PLUMBING FACILITIES AND FIXTURE REQUIREMENTS SECTION 501 GENERAL**

**501.1 Scope.** The provisions of this chapter shall govern the minimum plumbing systems, facilities and plumbing fixtures to be provided.

**501.2 Responsibility.** The owner of the structure shall provide and maintain such plumbing facilities and plumbing fixtures in compliance with these requirements. A person shall not occupy as owner-occupant or permit another person to occupy and structure or premises that does not comply with the requirements of this chapter.

## SECTION 502 REQUIRED FACILITIES

**502.1 Dwelling units.** Every *dwelling unit* shall contain its own bathtub or shower, lavatory, water closet and kitchen sink that shall be maintained in a sanitary, safe working condition. The lavatory shall be placed in the same room as the water closet or located in close proximity to the door leading directly into the room in which such water closet is located. A kitchen sink shall not be used as a substitute for the required lavatory.

**502.2 Rooming houses.** Not less than one water closet, lavatory and bathtub or shower shall be supplied for each four *rooming units*.

**502.3 Hotels.** Where private water closets, lavatories and baths are not provided, one water closet, one lavatory and one bathtub or shower having access from a public hallway shall be provided for each 10 *occupants*.

**502.4 Employees' facilities.** Not less than one water closet, one lavatory and one drinking facility shall be available to employees.

**502.4.1 Drinking facilities.** Drinking facilities shall be a drinking fountain, water cooler, bottled water cooler or disposable cups next to a sink or water dispenser. Drinking facilities shall not be located in *toilet rooms* or *bathrooms*.

**502.5 Public toilet facilities.** Public toilet facilities shall be maintained in a safe, sanitary and working condition in accordance with the *International Plumbing Code*. Except for periodic maintenance or cleaning, public access and use shall be provided to the toilet facilities at all times during *occupancy* of the *premises*.

## SECTION 503 TOILET ROOMS

**503.1 Privacy.** *Toilet rooms* and *bathrooms* shall provide privacy and shall not constitute the only passageway to a hall or other space, or to the exterior. A door and interior locking device shall be provided for all common or shared *bathrooms* and *toilet rooms* in a multiple dwelling.

**503.2 Location.** *Toilet rooms* and *bathrooms* serving hotel units, *rooming units* or dormitory units or *housekeeping units*, shall have access by traversing not more than one flight of stairs and shall have access from a common hall or passageway.

**503.3 Location of employee toilet facilities.** Toilet facilities shall have access from within the employees' working area. The required toilet facilities shall be located not more than one story above or below the employees' working area and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m). Employee facilities shall either be separate facilities or combined employee and public facilities.

**Exception:** Facilities that are required for employees in storage structures or kiosks, which are located in adjacent structures under the same ownership, lease or control, shall not exceed a travel distance of 500 feet (152 m) from the employees' regular working area to the facilities.

**503.4 Floor surface.** In other than *dwelling units*, every *toilet room* floor shall be maintained to be a smooth, hard, nonabsorbent surface to permit such floor to be easily kept in a clean and sanitary condition.

## SECTION 504 PLUMBING SYSTEMS AND FIXTURES

**504.1 General.** Plumbing fixtures shall be properly installed and maintained in working order, and shall be kept free from obstructions, leaks and defects and be capable of performing the function for which such plumbing fixtures are designed. Plumbing fixtures shall be maintained in a safe, sanitary and functional condition.

**504.2 Fixture clearances.** Plumbing fixtures shall have adequate clearances for usage and cleaning.

**504.3 Plumbing system hazards.** Where it is found that a plumbing system in a structure constitutes a hazard to the *occupants* or the structure by reason of inadequate service, inadequate venting, cross connection, backsiphonage, improper installation, *deterioration* or damage or for similar reasons, the *code official* shall require the defects to be corrected to eliminate the hazard.

## SECTION 505 WATER SYSTEM

**505.1 General.** Every sink, lavatory, bathtub or shower, drinking fountain, water closet or other plumbing fixture shall be properly connected to either a public water system or to an *approved* private water system. Kitchen sinks, lavatories, laundry facilities, bathtubs and showers shall be supplied with hot or tempered and cold running water in accordance with the *International Plumbing Code*.

**505.2 Contamination.** The water supply shall be maintained free from contamination, and all water inlets for plumbing fixtures shall be located above the flood-level rim of the fixture. Shampoo basin faucets, janitor sink faucets and other hose bibs or faucets to which hoses are attached and left in place, shall be protected by an approved atmospheric-type vacuum breaker or an approved permanently attached hose connection vacuum breaker.

**505.3 Supply.** The water supply system shall be installed and maintained to provide a supply of water to plumbing fixtures, devices and appurtenances in sufficient volume and at pressures adequate to enable the fixtures to function properly, safely, and free from defects and leaks.

**505.4 Water heating facilities.** Water heating facilities shall be properly installed, maintained and capable of providing an adequate amount of water to be drawn at every required sink, lavatory, bathtub, shower and laundry facility at a temperature not less than 110°F (43°C). A gas-burning water heater shall not be located in any *bathroom, toilet room, bedroom* or other occupied room normally kept closed, unless adequate combustion air is provided. An *approved* combination temperature and pressure-relief valve and relief valve discharge pipe shall be properly installed and maintained on water heaters.

**505.5 NonPotable water reuse systems.** Nonpotable water reuse systems and rainwater collection and conveyance systems shall be maintained in a safe and sanitary condition. Where such systems are not properly maintained, the systems shall be repaired to provide for safe and sanitary conditions, or the system shall be abandoned in accordance with Section 505.5.1.

**505.5.1 Abandonment of systems.** Where a nonpotable water reuse system or a rainwater collection and distribution system is not maintained or the owner ceases use of the system, the system shall be abandoned in accordance with Section 1301.10 of The International Plumbing Code.

## **SECTION 506 SANITARY DRAINAGE SYSTEM**

**506.1 General.** Plumbing fixtures shall be properly connected to either a public sewer system or to an *approved* private sewage disposal system.

**506.2 Maintenance.** Every plumbing stack, vent, waste and sewer line shall function properly and be kept free from obstructions, leaks and defects.

**506.3 Grease interceptors.** Grease interceptors and automatic grease removal devices shall be maintained in accordance with this code and the manufacturer's installation instructions. Grease interceptors and automatic grease removal devices shall be regularly serviced and cleaned to prevent the discharge of oil, grease, and other substances harmful or hazardous to the building drainage system, the public sewer, the private sewage disposal system or the sewage treatment plant or processes. Records of maintenance, cleaning and repairs shall be available for inspection by the code official.

## **SECTION 507 STORM DRAINAGE**

**507.1 General.** Drainage of roofs and paved areas, *yards* and courts, and other open areas on the *premises* shall not be discharged in a manner that creates a public nuisance.

## CHAPTER 6 MECHANICAL AND ELECTRICAL REQUIREMENTS SECTION 601 GENERAL

**601.1 Scope.** The provisions of this chapter shall govern the minimum mechanical and electrical facilities and equipment to be provided.

**601.2 Responsibility.** The *owner* of the structure shall provide and maintain mechanical and electrical facilities and equipment in compliance with these requirements. A person shall not occupy as *owner-occupant* or permit another person to occupy any *premises* that does not comply with the requirements of this chapter.

### SECTION 602 HEATING FACILITIES

**602.1 Facilities required.** Heating facilities shall be provided in structures as required by this section.

**602.2 Residential occupancies.** Dwellings shall be provided with heating facilities capable of maintaining a room temperature of 68°F (20°C) in all habitable rooms, *bathrooms* and *toilet rooms* based on the winter outdoor design temperature for the locality indicated in Appendix D of the *International Plumbing Code*. Cooking appliances shall not be used, nor shall portable unvented fuel-burning space heaters be used, as a means to provide required heating. The installation of one or more portable space heaters shall not be used to achieve compliance with this section.

**Exception:** In areas where the average monthly temperature is above 30°F (-1°C), a minimum temperature of 65°F (18°C) shall be maintained.

**602.3 Heat supply.** Every *owner* and operator of any building who rents, leases or lets one or more *dwelling units* or *sleeping units* on terms, either expressed or implied, to furnish heat to the *occupants* thereof shall supply heat during the period from October 1 to March 31 to maintain a minimum temperature of 68°F (20°C) in all habitable rooms, *bathrooms* and *toilet rooms*.

#### Exceptions:

1. When the outdoor temperature is below the winter outdoor design temperature for the locality, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. The winter outdoor design temperature for the locality shall be as indicated in Appendix D of the *International Plumbing Code*.
2. In areas where the average monthly temperature is above 30°F (-1°C), a minimum temperature of 65°F (18°C) shall be maintained.

**602.4 Occupiable work spaces.** Indoor occupiable work spaces shall be supplied with heat during the period from October 1 to March 31 to maintain a minimum temperature of 65°F (18°C) during the period the spaces are occupied.

#### Exceptions:

1. Processing, storage and operation areas that require cooling or special temperature conditions.
2. Areas in which persons are primarily engaged in vigorous physical activities.

**602.5 Room temperature measurement.** The required room temperatures shall be measured 3 feet (914 mm) above the floor near the center of the room and 2 feet (610 mm) inward from the center of each exterior wall.

## SECTION 603 MECHANICAL EQUIPMENT

**603.1 Mechanical equipment and appliances.** Mechanical equipment, appliances, fireplaces, solid fuel-burning appliances, cooking appliances and water heating appliances shall be properly installed and maintained in a safe working condition, and shall be capable of performing the intended function.

**603.2 Removal of combustion products.** Fuel-burning equipment and appliances shall be connected to an *approved* chimney or vent.

**Exception:** Fuel-burning equipment and appliances that are *labeled* for unvented operation.

**603.3 Clearances.** Required clearances to combustible materials shall be maintained.

**603.4 Safety controls.** Safety controls for fuel-burning equipment shall be maintained in effective operation.

**603.5 Combustion air.** A supply of air for complete combustion of the fuel and for *ventilation* of the space containing the fuel-burning equipment shall be provided for the fuel-burning equipment.

**603.6 Energy conservation devices.** Devices intended to reduce fuel consumption by attachment to a fuel-burning appliance, to the fuel supply line thereto, or to the vent outlet or vent piping therefrom, shall not be installed unless *labeled* for such purpose and the installation is specifically *approved*.

## SECTION 604 ELECTRICAL FACILITIES

**604.1 Facilities required.** Every occupied building shall be provided with an electrical system in compliance with the requirements of this section and Section 605.

**604.2 Service.** The size and usage of appliances and equipment shall serve as a basis for determining the need for additional facilities in accordance with NFPA 70. *Dwelling units* shall be served by a three-wire, 120/240 volt, single-phase electrical service having a minimum rating of 60 amperes.

**604.3 Electrical system hazards.** Where it is found that the electrical system in a structure constitutes a hazard to the *occupants* or the structure by reason of inadequate service, improper fusing, insufficient receptacle and lighting outlets, improper wiring or installation, *deterioration* or damage, or for similar reasons, the *code official* shall require the defects to be corrected to eliminate the hazard.

**604.3.1 Abatement of electrical hazards associated with water exposure.** The provisions of this section shall govern the repair and replacement of electrical systems and equipment that have been exposed to water.

**604.3.1.1 Electrical equipment.** Electrical distribution equipment, motor circuits, power equipment, transformers, wire, cable, flexible cords, wiring devices, ground fault circuit interrupters, surge protectors, molded case circuit breakers, low-voltage fuses, luminaires, ballasts, motors and electronic control, signaling and communication equipment that have been exposed to water shall be replaced in accordance with the provisions of the *International Building Code*.

**Exception:** The following equipment shall be allowed to be repaired where an inspection report from the equipment manufacturer or *approved* manufacturer's representative indicates that the equipment has not sustained damage that requires replacement:

1. Enclosed switches, rated not more than 600 volts or less;
2. Busway, rated not more than 600 volts;
3. Panelboards, rated not more than 600 volts;
4. Switchboards, rated not more than 600 volts;
5. Fire pump controllers, rated not more than 600 volts;
6. Manual and magnetic motor controllers;
7. Motor control centers;
8. Alternating current high-voltage circuit breakers;
9. Low-voltage power circuit breakers;
10. Protective relays, meters and current transformers;
11. Low- and medium-voltage switchgear;
12. Liquid-filled transformers;
13. Cast-resin transformers;
14. Wire or cable that is suitable for wet locations and whose ends have not been exposed to water;

15. Wire or cable, not containing fillers, that is suitable for wet locations and whose ends have not been exposed to water;
16. Luminaires that are listed as submersible;
17. Motors;
18. Electronic control, signaling and communication equipment.

**604.3.2 Abatement of electrical hazards associated with fire exposure.** The provisions of this section shall govern the repair and replacement of electrical systems and equipment that have been exposed to fire.

**604.3.2.1 Electrical equipment.** Electrical switches, receptacles and fixtures, including furnace, water heating, security system and power distribution circuits that have been exposed to fire, shall be replaced in accordance with the provisions of the *International Building Code*.

**Exception:** Electrical switches, receptacles and fixtures that shall be allowed to be repaired where an inspection report from the equipment manufacturer or *approved* manufacturer's representative indicates that the equipment has not sustained damage that requires replacement.

## SECTION 605 ELECTRICAL EQUIPMENT

**605.1 Installation.** Electrical equipment, wiring and appliances shall be properly installed and maintained in a safe and *approved* manner.

**605.2 Receptacles.** Every *habitable* space in a dwelling shall contain not less than two separate and remote receptacle outlets. Every laundry area shall contain not less than one grounding-type receptacle or a receptacle with a ground fault circuit interrupter. Every *bathroom* shall contain not less than one receptacle. Any new *bathroom* receptacle outlet shall have ground fault circuit interrupter protection. All receptacle outlets shall have the appropriate faceplate cover for the location.

**605.3 Luminaires.** Every public hall, interior stairway, *toilet room*, kitchen, *bathroom*, laundry room, boiler room and furnace room shall contain not less than one electric luminaire. Pool and spa luminaires over 15 V shall have ground fault circuit interrupter protection.

**605.4 Wiring.** Flexible cords shall not be used for permanent wiring, or for running through doors, windows, or cabinets, or concealed within walls, floors, or ceilings.

## SECTION 606 ELEVATORS, ESCALATORS AND DUMBWAITERS

**606.1 General.** Elevators, dumbwaiters and escalators shall be maintained in compliance with ASME A17.1. The most current certificate of inspection shall be on display at all times within the

elevator or attached to the escalator or dumbwaiter, be available for public inspection in the office of the building operator or be posted in a publicly conspicuous location *approved* by the *code official*. The inspection and tests shall be performed at not less than the periodic intervals listed in ASME A17.1, Appendix N, except where otherwise specified by the authority having jurisdiction.

**606.2 Elevators.** In buildings equipped with passenger elevators, not less than one elevator shall be maintained in operation at all times when the building is occupied.

**Exception:** Buildings equipped with only one elevator shall be permitted to have the elevator temporarily out of service for testing or servicing.

## **SECTION 607 DUCT SYSTEMS**

**607.1 General.** Duct systems shall be maintained free of obstructions and shall be capable of performing the required function.

## **CHAPTER 7 FIRE SAFETY REQUIREMENTS SECTION 701 GENERAL**

**701.1 Scope.** The provisions of this chapter shall govern the minimum conditions and standards for fire safety relating to structures and exterior *premises*, including fire safety facilities and equipment to be provided.

**701.2 Responsibility.** The *owner* of the *premises* shall provide and maintain such fire safety facilities and equipment in compliance with these requirements. A person shall not occupy as *owner-occupant* or permit another person to occupy any *premises* that do not comply with the requirements of this chapter.

## **MEANS OF EGRESS**

**702.1 General.** A safe, continuous and unobstructed path of travel shall be provided from any point in a building or structure to the *public way*. Means of egress shall comply with the *International Fire Code*.

**702.2 Aisles.** The required width of aisles in accordance with the *International Fire Code* shall be unobstructed.

**702.3 Locked Doors.** Means of egress doors shall be readily openable from the side from which egress is to be made without the need for keys, special knowledge or effort, except where the door hardware conforms to that permitted by the *International Building Code*.

**702.4 Emergency escape and rescue openings.** Required emergency escape and rescue openings shall be maintained in accordance with the code in effect at the time of construction, and both of the following:

1. Required emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.
2. Bars, grilles, grates or similar devices are permitted to be placed over emergency escape and rescue openings provided that the minimum net clear opening size complies with the code that was in effect at the time of construction and the unit is equipped with smoke alarms installed in accordance with Section 907.2.10 of the International Building Code. Such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening.

## **SECTION 703 FORE-RESISTANCE RATINGS**

**703.1 Fire-resistance-rated assemblies.** The provisions of this chapter shall govern maintenance of the materials, systems and assemblies used for structural fire resistance and fire-resistance-rated construction separation of adjacent spaces to safeguard against the spread of fire and smoke within a building and the spread of fire to or from buildings.

**703.2 Unsafe conditions.** Where any components are not maintained and do not function as intended or do not have the fire resistance required by the code under which the building was constructed or altered, such components or portions thereof shall be deemed unsafe conditions in accordance with Section 114.1.1 of the *International Fire Code*. Components or portions thereof determined to be unsafe shall be repaired or replaced to conform to that code under which the building was constructed or altered. Where the condition of components is such that any building, structure or portion thereof presents an *imminent danger* to the *occupants* of the building, structure or portion thereof, the *fire code official* shall act in accordance with Section 114.2 of the *International Fire Code*.

**703.3 Maintenance.** The required fire-resistance rating of fire-resistance-rated construction, including walls, firestops, shaft enclosures, partitions, smoke barriers, floors, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and joint systems, shall be maintained. Such elements shall be visually inspected annually by the *owner* and repaired, restored or replaced where damaged, altered, breached or penetrated. Records of inspections and repairs shall be maintained. Where concealed, such elements shall not be required to be visually inspected by the *owner* unless the concealed space is accessible by the removal or movement of a panel, access door, ceiling tile or entry to the space. Openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer and any other reason shall be protected with *approved* methods capable of resisting the passage of smoke and fire. Openings through fire-resistance-rated assemblies shall be protected by self- or automatic-closing doors of *approved* construction meeting the fire protection requirements for the assembly.

**703.3.1 Fire blocking and draft stopping.** Required fire blocking and draft stopping in combustible concealed spaces shall be maintained to provide continuity and integrity of the construction.

**703.3.2 Smoke barriers and smoke partitions.** Required smoke barriers and smoke partitions shall be maintained to prevent the passage of smoke. Openings protected with *approved* smoke barrier doors or smoke dampers shall be maintained in accordance with NFPA 105.

**703.3.3 Fire walls, fire barriers, and fire partitions.** Required fire walls, fire barriers and fire partitions shall be maintained to prevent the passage of fire. Openings protected with *approved* doors or fire dampers shall be maintained in accordance with NFPA 80.

**703.4 Opening protectives.** Opening protectives shall be maintained in an operative condition in accordance with NFPA 80. The application of field-applied labels associated with the maintenance of opening protectives shall follow the requirements of the *approved* third-party certification organization accredited for listing the opening protective. Fire doors and smoke barrier doors shall not be blocked or obstructed, or otherwise made inoperable. Fusible links shall be replaced whenever fused or damaged. Fire door assemblies shall not be modified.

**703.4.1 Signs.** Where required by the *code official*, a sign shall be permanently displayed on or near each fire door in letters not less than 1 inch (25 mm) high to read as follows:

1. For doors designed to be kept normally open: FIRE DOOR – DO NOT BLOCK.
2. For doors designed to be kept normally closed: FIRE DOOR – KEEP CLOSED.

**703.4.2 Hold-open devices and closers.** Hold-open devices and automatic door closers shall be maintained. During the period that such a device is out of service for repairs, the door it operates shall remain in the closed position.

**703.4.3 Door operation.** Swinging fire doors shall close from the full-open position and latch automatically. The door closer shall exert enough force to close and latch the door from any partially open position.

**703.5 Ceilings.** The hanging and displaying of salable goods and other decorative materials from acoustical ceiling systems that are part of a fire-resistance-rated horizontal assembly shall be prohibited.

**703.6 Testing.** Horizontal and vertical sliding and rolling fire doors shall be inspected and tested annually to confirm operation and full closure. Records of inspections and testing shall be maintained.

**703.7 Vertical shafts.** Interior vertical shafts, including stairways, elevator hoistways and service and utility shafts, which connect two or more stories of a building shall be enclosed or protected as required in Chapter 11 of the *International Fire Code*. New floor openings in existing buildings shall comply with the *International Building Code*.

**703.8 Opening protective closers.** Where openings are required to be protected, opening protectives shall be maintained self-closing or automatic-closing by smoke detection. Existing fusible-link-type automatic door-closing devices shall be replaced if the fusible link rating exceeds 135°F (57°C).

## **SECTION 704 FIRE PROTECTION SYSTEMS**

**704.1 Inspection, testing and maintenance.** Fire protection and life safety systems shall be maintained in accordance with the *International Fire Code* in an operative condition at all times, and shall be replaced or repaired where defective.

**704.1.1 Fire protection and life safety systems.** Fire protection and life safety systems shall be installed, repaired, operated and maintained in accordance with this code, the *International Fire Code* and the *International Building Code*.

**704.1.2 Required fire protection and life safety systems.** Fire protection and life safety systems required by this code, the *International Fire Code* or the *International Building Code* shall be installed, repaired, operated, tested and maintained in accordance with this code. A fire protection and life safety system for which a design option, exception or reduction to the provisions of this code, the *International Fire Code* or the *International Building Code* has been granted shall be considered to be a required system.

**704.1.3 Fire protection systems.** Fire protection systems shall be inspected, maintained and tested in accordance with the following *International Fire Code* requirements.

1. Automatic sprinkler systems, see Section 903.5.
2. Automatic fire-extinguishing systems protecting commercial cooking systems, see Section 904.13.5.
3. Automatic water mist extinguishing systems, see Section 904.11.
4. Carbon dioxide extinguishing systems, see Section 904.8.
5. Carbon monoxide alarms and carbon monoxide detection systems, see Section 915.6.
6. Clean-agent extinguishing systems, see Section 904.10.
7. Dry-chemical extinguishing systems, see Section 904.6.
8. Fire alarm and fire detection systems, see Section 907.8.
9. Fire department connections, see Sections 912.4 and 912.7.
10. Fire pumps, see Section 913.5.
11. Foam extinguishing systems, see Section 904.7.
12. Halon extinguishing systems, see Section 904.9.

13. Single- and multiple-station smoke alarms, see Section 907.10.
14. Smoke and heat vents and mechanical smoke removal systems, see Section 910.5.
15. Smoke control systems, see Section 909.22.
16. Wet-chemical extinguishing systems, see Section 904.5.

**704.2 Standards.** Fire protection systems shall be inspected, tested and maintained in accordance with the referenced standards listed in Table 704.2 and as required in this section.

**TABLE 704.2  
FIRE PROTECTION SYSTEM MAINTENANCE STANDARDS**

| SYST<br>EM                               | STAND<br>ARD |
|--|--------------|
| Portable fire extinguishers              | NFPA 10      |
| Carbon dioxide fire-extinguishing system | NFPA 12      |
| Halon 1301 fire-extinguishing systems    | NFPA<br>12A  |
| Dry-chemical extinguishing systems       | NFPA 17      |
| Wet-chemical extinguishing systems       | NFPA<br>17A  |
| Water-based fire protection systems      | NFPA 25      |
| Fire alarm systems                       | NFPA 72      |
| Smoke and heat vents                     | NFPA<br>204  |
| Water-mist systems                       | NFPA<br>750  |
| Clean-agent extinguishing systems        | NFPA<br>2001 |

**704.2.1 Records.** Records shall be maintained of all system inspections, tests and maintenance required by the referenced standards.

**704.2.2 Records information.** Initial records shall include the: name of the installation contractor; type of components installed; manufacturer of the components; location and number of components installed per floor; and manufacturers' operation and maintenance instruction manuals. Such records shall be maintained for the life of the installation.

**704.3 Systems out of service.** Where a required fire protection system is out of service, the fire department and the fire *code official* shall be notified immediately and, where required by the fire *code official*, either the building shall be evacuated or an *approved* fire watch shall be provided for all *occupants* left unprotected by the shutdown until the fire protection system has been returned to service. Where utilized, fire watches shall be provided with not less than one *approved* means for notification of the fire department and shall not have duties beyond performing constant patrols of the protected *premises* and keeping watch for fires. Actions shall be taken in accordance with Section 901 of the *International Fire Code* to bring the systems back in service.

**Exception:** Facilities with an approved notification and impairment management program. The notification and impairment program for water-based fire protection systems shall comply with NFPA 25.

**704.3.1 Emergency impairments.** Where unplanned impairments of fire protection systems occur, appropriate emergency action shall be taken to minimize potential injury and damage. The impairment coordinator shall implement the steps outlined in Section 901.7.4 of the *International Fire Code*.

**704.4 Removal of or tampering with equipment.** It shall be unlawful for any person to remove, tamper with or otherwise disturb any fire protection or life safety system required by this code except for the purposes of extinguishing fire, training, recharging or making necessary repairs.

**704.4.1 Removal of or tampering with appurtenances.** Locks, gates, doors, barricades, chains, enclosures, signs, tags and seals that have been installed by or at the direction of the fire *code official* shall not be removed, unlocked, destroyed or tampered with in any manner.

**704.4.2 Removal of existing occupant-use hose lines.** The fire *code official* is authorized to permit the removal of existing *occupant-use* hose lines where all of the following apply:

1. The installation is not required by the *International Fire Code* or the *International Building Code*.
2. The hose line would not be utilized by trained personnel or the fire department.
3. The remaining outlets are compatible with local fire department fittings.

**704.4.3 Termination of monitoring service.** For fire alarm systems required to be monitored by the *International Fire Code*, notice shall be made to the fire *code official* whenever alarm monitoring services are terminated. Notice shall be made in writing by the provider of the monitoring service being terminated.

**704.5 Fire department connection.** Where the fire department connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an *approved* sign mounted on the street front or on the side of the building. Such sign shall have the letters “FDC” not less than 6 inches (152 mm) high and words in letters not less than 2 inches (51 mm) high or an arrow to indicate the location. Such signs shall be subject to the approval of the fire *code official*.

**704.5.1 Fire department connection access.** Ready access to fire department connections shall be maintained at all times and without obstruction by fences, bushes, trees, walls or any other fixed or movable object. Access to fire department connections shall be *approved* by the fire chief.

**Exception:** Fences, where provided with an access gate equipped with a sign complying with the legend requirements of Section 912.5 of the *International Fire Code* and a means of emergency operation. The gate and the means of emergency operation shall be *approved* by the fire chief and maintained operational at all times.

**704.5.2 Clear space around connections.** A working space of not less than 36 inches (914 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided and maintained in front of and to the sides of wall-mounted fire department connections and around the circumference of free-standing fire department connections.

**704.6 Single and multiple-station smoke alarms.** Single and multiple-station smoke alarms shall be installed in existing Group I-1 and R *occupancies* in accordance with Sections 704.6.1 through 704.6.3.

**704.6.1 Where required.** Existing Group I-1 and R *occupancies* shall be provided with singlestation smoke alarms in accordance with Sections 704.6.1.1 through 704.6.1.4. Interconnection and power sources shall be in accordance with Sections 704.6.2 and 704.6.3.

**Exceptions:**

1. Where the code that was in effect at the time of construction required smoke alarms and smoke alarms complying with those requirements are already provided.
2. Where smoke alarms have been installed in occupancies and dwellings that were not required to have them at the time of construction, additional smoke alarms shall not be required provided that the existing smoke alarms comply with requirements that were in effect at the time of installation.
3. Where smoke detectors connected to a fire alarm system have been installed as a substitute for smoke alarms.

**704.6.1.1 Group R-1.** Single or multiple-station smoke alarms shall be installed in all of the following locations in Group R-1: 1. In sleeping areas.

2. In every room in the path of the means of egress from the sleeping area to the door leading from the *sleeping unit*.
3. In each story within the *sleeping unit*, including *basements*. For *sleeping units* with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

**704.6.1.2 Groups R-2, R-3, R-4 and I-1.** Single or multiple-station smoke alarms shall be installed and maintained in Groups R-2, R-3, R-4 and I-1 regardless of *occupant load* at all of the following locations:

1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of bedrooms.
2. In each room used for sleeping purposes.
3. In each story within a *dwelling unit*, including *basements* but not including crawl spaces and uninhabitable attics. In *dwellings* or *dwelling units* with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

**704.6.1.3 Installation near cooking appliances.** Smoke alarms shall not be installed in the following locations unless this would prevent placement of a smoke alarm in a location required by Section 704.6.1.1 or 704.6.1.2.

1. Ionization smoke alarms shall not be installed less than 20 feet (6096 mm) horizontally from a permanently installed cooking appliance.
2. Ionization smoke alarms with an alarm-silencing switch shall not be installed less than 10 feet (3048 mm) horizontally from a permanently installed cooking appliance.
3. Photoelectric smoke alarms shall not be installed less than 6 feet (1829 mm) horizontally from a permanently installed cooking appliance.

**704.6.1.4 Installation near bathrooms.** Smoke alarms shall be installed not less than 3 feet (914 mm) horizontally from the door or opening of a *bathroom* that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by Section 704.6.1.1 or 704.6.1.2.

**704.6.2 Interconnection.** Where more than one smoke alarm is required to be installed within an individual *dwelling* or *sleeping unit*, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed. **Exceptions:**

1. Interconnection is not required in buildings that are not undergoing *alterations*, repairs or construction of any kind.
2. Smoke alarms in existing areas are not required to be interconnected where *alterations* or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure,

unless there is an attic, crawl space or *basement* available that could provide access for interconnection without the removal of interior finishes.

**704.6.3 Power source.** Single-station smoke alarms shall receive their primary power from the building wiring provided that such wiring is served from a commercial source and shall be equipped with a battery backup. Smoke alarms with integral strobes that are not equipped with battery backup shall be connected to an emergency electrical system. Smoke alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

**Exceptions:**

1. Smoke alarms are permitted to be solely battery operated in existing buildings where construction is not taking place.
2. Smoke alarms are permitted to be solely battery operated in buildings that are not served from a commercial power source.
3. Smoke alarms are permitted to be solely battery operated in existing areas of buildings undergoing *alterations* or repairs that do not result in the removal of interior walls or ceiling finishes exposing the structure, unless there is an attic, crawl space or *basement* available that could provide access for building wiring without the removal of interior finishes.

**704.6.4 Smoke detection system.** Smoke detectors listed in accordance with UL 268 and provided as part of the building's fire alarm system shall be an acceptable alternative to single and multiplestation smoke alarms and shall comply with the following:

1. The fire alarm system shall comply with all applicable requirements in Section 907 of the *International Fire Code*.
2. Activation of a smoke detector in a dwelling or sleeping unit shall initiate alarm notification in the *dwelling* or *sleeping unit* in accordance with Section 907.5.2 of the *International Fire Code*.
3. Activation of a smoke detector in a *dwelling* or *sleeping unit* shall not activate alarm notification appliances outside of the *dwelling* or *sleeping unit*, provided that a supervisory signal is generated and monitored in accordance with Section 907.6.6 of the *International Fire Code*.

**704.7 Single and multiple-station smoke alarms.** Single and multiple-station smoke alarms shall be tested and maintained in accordance with the manufacturer's instructions. Smoke alarms that do not function shall be replaced. Smoke alarms installed in one- and two-family dwellings shall be replaced not more than 10 years from the date of manufacture marked on the unit, or shall be replaced if the date of manufacture cannot be determined.

## **SECTION 705 CARBON MONOXIDE ALARMS AND DETECTION**

**705.1 General.** Carbon monoxide alarms shall be installed in dwellings in accordance with Section 1103.9 of the *International Fire Code*, except that alarms in dwellings covered by the *International Residential Code* shall be installed in accordance with Section R315 of that code.

**705.2 Carbon monoxide alarms and detectors.** Carbon monoxide alarms and carbon monoxide detection systems shall be maintained in accordance with NFPA 720. Carbon monoxide alarms and carbon monoxide detectors that become inoperable or begin producing end-of-life signals shall be replaced.

### CHAPTER 8 REFERENCED STANDARDS

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.8.

|                           |   |                                   |
|---------------------------|---|-----------------------------------|
| ASME                      | American Society of Mechanical Engineers<br>Three Park Avenue<br>New York, NY 10016-5990                                    |                                   |
| Standard reference number | Title   | Referenced in code section number |
| ASME<br>A17.1/CSA B44-19  | Safety Code for Elevators and Escalators  | 606.1                             |
|                           |   |                                   |
| ASTM                      | ASTM International<br>100 Barr Harbor Drive, P.O. Box C700,<br>West Conshohocken, PA 19428-2959                             |                                   |
| Standard reference number | Title   | Referenced in code section number |
| F 1346-91<br>(2018)       | Performance Specifications for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs | 303.2                             |
|                           |   |                                   |

|                           |  |   |
|---------------------------|--|---|
| ICC                       | International Code Council<br>500 New Jersey Avenue, NW<br>6th Floor<br>Washington, DC 20001 |   |
| Standard reference number | Title  | Referenced in code section number   |
| IBC-21                    | International Building Code*   | 102.3, 201.3, 304.1.1, 305.1.1, 306.1.1, 403.1, 604.3.2.1, 702.3, 704.4.2 |
| IEBC-21                   | International Existing Building Code*  | 102.3, 201.3, 304.1.1, 305.1.1, 306.1.1                                   |
| IECC-21                   | International Energy Conservation Code*  | 102.3   |
| IFC-21                    | International Fire Code*   | 102.3, 201.3, 604.3.1.1, 702.1, 702.2, 704.1, 704.1.2, 704.1.3,           |

|         |                                 |   |
|---------|---------------------------------|---|
|         |                                 | 704.3, 704.3.1, 704.4.2, 704.4.3, 704.5.1, 704.6.4, 705.1 |
| IFGC-21 | International Fuel Gas Code*    | 102.3, 201.3  |
| IMC-21  | International Mechanical Code*  | 102.3, 201.3  |
| IPC-21  | International Plumbing Code*    | 102.3, 201.3, 502.5, 505.5.1, 602.2, 602.3                |
| IRC-21  | International Residential Code* | 102.3, 201.3  |
| IZC-21  | International Zoning Code*      | 102.3, 201.3  |

|                           |  |                                   |
|---------------------------|--|-----------------------------------|
| NFPA                      | National Fire Protection Association<br>1 Batterymarch Park<br>Quincy, MA 02269-7471 |                                   |
| Standard reference number | Title  | Referenced in code section number |
| 10-21                     | Standard for Portable Fire Extinguishers   | Table 704.2                       |

|                 |   |                     |
|-----------------|---|---------------------|
| 12-18           | Standard on Carbon Dioxide Extinguishing Systems  | Table 704.2         |
| 12A-18          | Standard on Halon 1301 Fire Extinguishing Systems   | Table 704.2         |
| 17-20           | Standard on Dry Chemical Extinguishing Systems  | Table 704.2         |
| 17A-20<br> <br> | Standard for Wet Chemical Extinguishing Systems   | Table 704.2         |
| 25-20           | Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems | Table 704.2         |
| 70-20           | National Electrical Code  | 102.3, 201.3, 604.2 |
| 72-19           | National Fire Alarm and Signaling Code  | Table 704.2         |
| 80—19           | Standard for Fire Doors and Other Opening Protectives                                       | 703.3.3, 703.4      |
| 105—19          | Standard for Smoke Door Assemblies and Other Opening Protectives                            | 703.3.2             |
| 204—18          | Standard for Smoke and Heat Venting   | Table 704.2         |
| 720—15          | Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment       | 705.2               |
| 750—19          | Standard on Water Mist Fire Protection Systems  | Table 704.2         |
| 2001—18         | Standard on Clean Agent Fire Extinguishing Systems  | Table 704.2         |
|                 |   |                     |
| UL              | Underwriters Laboratories, LLC<br>333 Pfingsten Road<br>Northbrook, IL 60062                |                     |

| Standard reference number | Title   | Referenced in code section number |
|---------------------------|---|-----------------------------------|
| 268—2016                  | Smoke Detectors for Fire Alarm Systems—with revisions through July 2016 | 704.6.4                           |

**Secs. 52-2—52-20. Reserved.**

ADOPTED: NOV 0 8 2022



City Clerk