

### **13 AAC 50.010. Occupancy classifications**

☒ All buildings or areas of a building are classified as to their occupancy according to the occupancy classifications defined in the *International Building Code (2003 edition) (I.B.C.)*.

☒ **History:** In effect before 7/26/59; am 6/25/69, Register 30; am 2/21/71, Register 37; am 1/14/81, Register 77; am 9/15/2001, Register 159; am 8/27/2004, Register 171

☒ **Authority:** [AS 18.70.080](#)

**Editor's note:** Copies of the *International Building Code, 2003 Edition* may be obtained from the International Code Council Inc., 5360 Workman Mill Road, Whittier, California 90601 or at [www.iccsafe.org](http://www.iccsafe.org)

### **☒ 13 AAC 50.020. Building code**

☒ The *International Building Code (I.B.C.)*, Chapters 1 - 12, 14 - 28, 30 - 32, and 34 - 35 and Appendix C (2003 Edition) are adopted by reference to regulate all occupancies and buildings with the following revisions:

(1) Chapter 1 of the *I.B.C.* is revised by deleting Sections 103, and 109 - 115 and Subsections 101.4.5, 101.4.7, 104.4, 104.6, 104.8, 105.4, 106.5, 108.2, 108.4, and 108.5;

(2) Chapter 1, Section 101.2 (scope), last sentence of the exception of the *I.B.C.* is revised by adding: "as governed by the provisions of [AS 18.70.080](#) ";

(3) Chapter 1, Section 101.4.1 Electrical of the *I.B.C.*, is revised by deleting the reference to the "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(4) Chapter 1, Section 101.4.2 Gas of the *I.B.C.*, is revised by deleting the reference to the "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(5) Chapter 1, Section 101.4.4 Plumbing of the *I.B.C.*, is revised by deleting the reference to the "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(6) Chapter 1, Section 102.6 Existing Structures of the *I.B.C.*, is revised by deleting the reference to the "*International Property Maintenance Code*";

(7) Chapter 1, Section 104.2 Applications and permits of the *I.B.C.*, is revised by deleting the words "and permits" from the heading, and the subsection is revised to read: "The building official shall receive applications and review construction documents for the erection, alteration, demolition, and moving of buildings and structures and, at the agency's discretion, will inspect the premises to enforce compliance with the provisions of this code.";

(8) Chapter 1, Section 105 (Permits) of the *I.B.C.*, is revised by deleting the title and replacing it with "Application for Plan Review";

(9) Chapter 1, Section 105 (Permits) of the *I.B.C.*, is revised by replacing the word "permit" wherever it occurs with the words "plan review";

(10) Chapter 1, Section 105.2 (work exempt from permit) of the *I.B.C.*, is revised by deleting items 2, 4, and 5 and, adding a new item 14 to read: "14. Buildings classified as a Group U Occupancy, other than those in Appendix L, that are not offered for use by persons other than the property owner or the owner's employees, not open to the public, and not containing hazardous materials in excess of those found in Tables 307.7(1) and 307.7(2). This exemption includes buildings in which the public has no access, such as farm, dairy operations, or greenhouse operations.";

(11) Chapter 1, Section 105.3, (Application for permit), first sentence of the *I.B.C.* is revised to read: "To obtain a plan review approval, the applicant must first file an application in writing on a form furnished for that purpose by the code enforcement agency.";

(12) Chapter 1, Section 106 (Construction Documents) of the *I.B.C.*, is revised by replacing the word "permit" wherever it occurs, with the words "plan review";

(13) Chapter 1, Subsection 106.3.4.1, (General) third paragraph, first sentence of the *I.B.C.* is revised to read: "Structural observation shall be as required by Section 1709.";

(14) Chapter 1, Subsection 107.3 (Temporary Power) is revised by deleting the reference to the "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(15) Chapter 1, Section 108.1 (Payment of fees) of the *I.B.C.*, is revised by replacing the word "permit" wherever it occurs, with the words "plan review";

(16) Chapter 1, Subsection 108.3 (Building permit valuations) of the *I.B.C.*, is revised to read: "Building plan review valuations. The applicant for a plan review involving an addition to an existing structure or a remodel of an existing structure shall provide an estimated building construction value at the time of application. The valuation shall include the total value of work, including materials and labor for which the plan review is being issued. The total value of work must include the electrical, gas, mechanical, and plumbing equipment and permanent systems, including fire protection systems. If, in the

opinion of the building official, the valuation is underestimated on the application, the building official shall deny the plan review, unless the applicant can show detailed estimates that meet the approval of the building official. The building official shall set the final building construction valuation.

The valuation for all new construction not involving remodel work or additions to existing structures must be based on the Valuation Schedule established in 13 AAC [50.027](#), Item 9.";

(17) Chapter 2, Subsection 201.3 (Terms defined in other codes) of the *I.B.C.*, is revised by deleting the references "*International Plumbing Code*" and "*International Fuel Gas Code*";

(18) Chapter 2, Section 202 (Definitions) of the *I.B.C.*, is revised by adding a definition to read: "BUILDING, EXISTING, is a building that:

(A) was erected before December 5, 1956; or

(B) was erected before the adoption of the 2003 International Building Code, 2003 International Fire Code, and the 2003 International Mechanical Code, and complies with the building code regulations in effect at the time of construction.";

(19) Chapter 3, Table 302.1.1 (Incidental use areas) of the *I.B.C.*, is revised by changing the wording in the first block under the left column to read "Furnace rooms in Group E and R-1, R-2 and R-4 occupancies regardless of Btu input, and furnace rooms of all other occupancies where the largest piece of equipment is over 400,000 Btu per hour input";

(20) Chapter 3, Section 302.3.2, (Separated uses), add Exception 2 to read: "The private garage must be separated from the residence and its attic with Type X gypsum board, as defined in GA 600, applied to the garage side and all door openings must have self-closing and latching devices or be automatic closing and latching.";

(21) Chapter 3, Section 305.2 (Day care) of the *I.B.C.*, is revised to read: "The use of a building or structure, or portion thereof, for educational, supervision or personal care services for more than five children older than two and one-half years of age, including children related to the staff, shall be classified as a Group E occupancy.";

(22) Chapter 3, Section 305.2 (Day care) of the *I.B.C.*, is revised by adding a new exception to read: "Exception: Family child care homes (Group R-3) operating between the hours of 6:00 a.m. and 10:00 p.m. may accommodate a total of 12 children of any age without conforming to the requirements of this regulation (Group E occupancy), except for smoke alarms as described in Subsection 907.2.10, general means of egress requirements of Section 1003, including general emergency escape and rescue openings (as required by Section 1025) in napping or sleeping rooms, and fire extinguisher requirements as described in the *International Fire Code* (2003 Edition).";

(23) Chapter 3, Section 308.2 (Group I-1) of the *I.B.C.*, is revised by adding a new paragraph between the first and second paragraphs to read: "Facilities within this occupancy classification that have occupants needing physical assistance to respond in emergency situations must comply with Section 419.";

(24) *I.B.C.* Chapter 3, Section 308.3 (Group I-2) revised by changing the last sentence to read: "A facility such as the above with five or fewer persons, including persons related to the staff, shall be classified as a Group R-3.";

(25) Chapter 3, Section 308.3.1 (Child care facility) of the *I.B.C.*, is revised to read: "A child care facility that provides care on a 24-hour basis to more than five children of two and one-half years of age or less, including children related to the staff, shall be classified as Group I-2.";

(26) Chapter 3, Section 308.5 (Group I-4, day care facilities), second sentence of the *I.B.C.*, is revised to read: "A facility such as the above with five or fewer persons, including persons related to the staff, shall be classified as a Group R-3.";

(27) Chapter 3, Section 310.1 (Residential Group R) of the *I.B.C.*, is revised by adding a new paragraph between the first and second paragraphs to read: "For facilities within this occupancy classification that have occupants needing physical assistance to respond in emergency situations, see Section 419.";

(28) Chapter 4, Section 412.2.1 (Exterior walls) of the *I.B.C.*, is revised by deleting "30 feet (9144 mm)" and replacing it with "20 feet (6098 mm)".

(29) Chapter 4, Subsection 415.7.3 (Liquefied petroleum gas-distribution facilities) of the *I.B.C.*, is revised by deleting the reference to the "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(30) Chapter 4, Section 415.7.4 (Dry cleaning plants) of the *I.B.C.*, is revised by deleting the reference to the "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(31) Chapter 4, Section 415.9.2.8.1 of the *I.B.C.*, is revised by deleting the reference to the "*ICC Electrical Code* " and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(32) Chapter 4 (Special detailed requirements based on use and occupancy) is revised by adding a new Sections 419 (Group I-1 and R-4) and 420 (Group E) to read:

## OCCUPANTS NEEDING PHYSICAL ASSISTANCE

419.1 Applicability. The provisions of this section apply to all Groups I-1 and R-4 occupancies where the occupants need physical assistance from staff or others to respond to emergencies.

419.2 Definitions. In this section:

"Evacuation Capability" means the ability of occupants, residents, and staff as a group either to evacuate a building or to relocate from the point of occupancy to a point of safety;

"Point of Safety" means a location that (a) is exterior to and away from a building; or (b) is within a building of any type construction protected throughout by an approved automatic sprinkler system and that is either (1) within an exit enclosure meeting the requirements of sec. 1019; or (2) within another portion of the building that is separated by smoke partitions meeting the requirements of sec. 710, with not less than a one-half hour fire resistance rating, and the portion of the building has access to a means of escape or exit that conforms to the requirements of this code and does not require return to the area of the fire."

419.3 Fire Drills And Evacuation Capability Determination. The initial determination of evacuation capability will be determined by a fire drill conducted by a fire code official or by an employee of the Department of Health and Social Services responsible for licensing the facility. Changes to the evacuation capability will be made by a fire code official, based on a record of fire drills conducted by the facility staff. The drills will be conducted six times a year on a bimonthly basis, with at least two drills conducted during the night when residents are sleeping. Records must indicate the time taken to reach a point of safety, date and time of the drill, location of simulated fire origin, escape paths used, and comments relating to residents who resisted or failed to participate in the drills.

419.4 Evacuation capability and fire protection requirements. Fire protection requirements of a facility under this section are as follows:

419.4.1 Prompt Evacuation Capability. Evacuation capability of three minutes or less indicates prompt evacuation capability. In facilities maintaining prompt evacuation capability, the requirements of the code for Groups I-1 or R-4 occupancies must be followed.

419.4.2 Slow Evacuation Capability. Evacuation capability of more than three but less than 14 minutes indicates slow evacuation capability. In facilities maintaining slow evacuation capability, the facility must be protected by (a) an automatic smoke detection system, using addressable smoke detectors, designed and installed in accordance with the provisions of this code and N.F.P.A. 72-2002; and (b) an automatic sprinkler system,

with quick-response or residential sprinklers, installed in accordance with section 903.3.1.2 (N.F.P.A. 13R-2002 (Sprinkler Systems)) or 903.3.1.3 (N.F.P.A. 13D-2002 (Sprinkler Systems)).

419.4.3 Impractical evacuation capability. Evacuation capability of fourteen minutes or more indicates impractical evacuation capability. In facilities maintaining impractical evacuation capability, the facility must be protected by (a) the protections for a facility with slow evacuation capability under Section 419.4.2; (b) one-half hour fire-resistive construction throughout the facility; and (c) direct egress from sleeping rooms for occupants needing evacuation assistance either (i) to the exterior at grade level, to an exterior porch or landing via a 3 feet 60 inches wide door; or (ii) if the sleeping rooms are separated from the rest of the building by smoke partitions installed in accordance with Section 710, by egress windows conforming to the provisions of Section 1025.

## SECTION 420

### SPECIAL SECURITY REQUIREMENTS FOR GROUP E BUILDINGS

420.1 All Group E buildings with the lower floor level above grade and open on the sides must be fenced around the building exterior or have skirting below the exterior walls to prevent unauthorized access.

(33) Chapter 5, (General Building Heights And Areas) of the *I.B.C.* is revised by adding a new Section 501.3 to read as follows: "Location on property. Buildings must adjoin or have access to a permanent public way or yard on not less than one side. Required yards by this section must be permanently maintained.";

(34) Chapter 5, Section 504 (Height Modifications) of the *I.B.C.*, is revised by adding a new Section 504.4 to read: "Day care facilities. Facilities that are operated in a primary residence (Group R-3) between the hours of 6:00 a.m. and 10:00 p.m., and accommodating up to a total of 12 children of any age may use the second story of the building without providing an automatic sprinkler system, or complying with Table 302.3.2, Table 602, and the Type VA requirements set out in Table 503, if all other applicable legal provisions for a Group E Occupancy are met.";

(35) Chapter 6, Table 601, (Fire-Resistance Rating Requirements For Building Elements (hours)), Footnote "d." of the *I.B.C.*, is revised by adding the following sentence: "In Group E Occupancies, an automatic sprinkler system may be substituted for one-hour fire-resistance-rated-construction if the system complies with the design requirements of Section 903.3.1.1.";

(36) Chapter 7, Subsection 717.4.2 (Groups R-1 and R-2) of the *I.B.C.*, is revised to read: "Draftstopping must be provided in attics, mansards, overhangs, or other concealed roof spaces of Group R-2 buildings with three or more dwelling units and in all Group R-1 buildings. The intervening space between any two draftstops or walls must be designed for adequate cross ventilation as described in Section 1203.2. Draftstopping must be installed above, and in line with, tenant and dwelling separation walls that do not extend to the underside of the roof sheathing above.";

(37) Chapter 7, Subsection 717.4.2, (Groups R-1 and R-2) Exception 3 of the *I.B.C.*, is revised to read: "Draftstopping in attic spaces of Groups R-1 and R-2 occupancies that do not exceed four stories in height may be installed so that the area between draftstops that extends from the ceiling to the roof does not exceed 3,000 square feet, and the greatest horizontal dimension does not exceed 60 feet. The draftstops do not have to be located directly above or in line with walls separating tenant spaces, unless part of construction required by other provisions of this code. Adequate cross ventilation must be provided in accordance with Section 1203.2.";

(38) Chapter 9, Subsection 903.2.2 (Group E) of the *I.B.C.*, is revised to read: "Group E. An automatic sprinkler system must be provided throughout all buildings with Group E occupancies. An automatic sprinkler system must also be provided for every portion of educational buildings below the level of exit discharge.

Exception: Buildings with Group E occupancies having an occupant load of 49 or less.

Day care uses that are licensed to care for more than five persons between the hours of 10 p.m. and 6 a.m. must be equipped with an automatic sprinkler system designed and installed as described in Section 903.3.1.3 or an equivalent system approved by the building official."

(39) Chapter 9, Subsection 903.2.7 (Group R) of the *I.B.C.*, is revised to read: "Group R. An automatic sprinkler system must be installed in Group R occupancies as required in 903.2.7.1 through 903.2.7.3"

(40) Chapter 9, of the *I.B.C.* is revised by adding a new subsection "903.2.7.1 Group R-1. An automatic sprinkler system or a residential sprinkler system installed in accordance with Section 903.3.1.2 must be provided throughout all buildings with a Group R-1 fire area.

Exception:

Where guestrooms are not more than three stories above the lowest level of discharge and each guestroom has at least one door leading directly to an exterior exit, access that leads directly to approved exits."

(41) Chapter 9, of the *I.B.C.*, is revised by adding a new subsection "903.2.7.2 Group R-2. An automatic sprinkler system or a residential sprinkler system installed in accordance

with Section 903.3.1.2 must be provided throughout all buildings with a Group R-2 fire area that are more than two stories in height, including basements, or that have more than sixteen dwelling units or sleep rooms.";

(42) Chapter 9, of the *I.B.C.*, is revised by adding a new subsection "903.2.7.3 Group R-4. An automatic sprinkler system or a residential sprinkler system installed in accordance with Section 903.3.1.2 must be provided throughout all buildings with a Group R-4 fire area";

(43) Chapter 9, Subsection 903.3.1.1 of the *I.B.C.*, is revised by adding a new Subsection 903.3.1.1.2 to read: "Elevator Hoist Ways and Machine Rooms. When the provisions of this code require the installation of automatic sprinkler systems, the installation in elevator hoist ways and machine rooms must occur as described in N.F.P.A. 13-2002, (Elevator hoistways and machine rooms) and adopted by reference, and the American Society for Mechanical Engineers (A.S.M.E.) A17.1 *Safety Code for Elevators and Escalators* (2000 edition) and adopted by reference.

Exception: Sprinklers are not required in an elevator machine room where the machine room is:

(1) separated from the remainder of the building as described in *I.B.C.* Section 3006.4;

(2) smoke detection is provided in accordance with N.F.P.A. 72-2002, and adopted by reference; and

(3) notification of alarm activation is received at a constantly monitored location.";

(44) Chapter 9, Subsection 903.3.5 (Water supplies) of the *I.B.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(45) Chapter 9, Subsection 904.3.1 (Electrical wiring) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(46) Chapter 9, Subsection 907.1.1 (Construction documents) of the *I.B.C.*, is revised by adding the following required construction documents for plan review:

12. System riser diagrams.

(47) Chapter 9, Subsection 907.2.3 (Group E) of the *I.B.C.*, is revised by adding a second paragraph to read: "Rooms used for sleeping or napping purposes within a day care use of a Group E occupancy must be provided with smoke alarms that comply with Section 907.2.10.1.2.";

(48) Chapter 9, Subsection 907.2.10 (Single- and multiple-station smoke alarms) of the *I.B.C.*, is revised by adding a second paragraph to read: "When a plan review is required for an existing Group R occupancy, smoke alarms must be installed as described in Section 907.2.10.1."

(49) Chapter 9, Subsection 907.5 (Wiring) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(50) Chapter 9, Subsection 907.17 (Record of completion) of the *I.B.C.*, is revised by adding a new sentence to read: "A copy of the acceptance test certificate verifying completion in accordance with N.F.P.A. 72-2002, as adopted by reference, must be forwarded by the firm conducting the test to the state fire marshal or the deferred jurisdiction having authority within 30 days of the completion of the installation.";

(51) Chapter 9, Subsection 909.11 (Power systems) of the *I.B.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(52) Chapter 9, Subsection 909.12.1 (Wiring) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(53) Chapter 9, Subsection 909.16.3 (Control action and priorities) Exception of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(54) Chapter 10, Subsection 1008.1.9 (Panic and fire exit hardware) of the *I.B.C.*, is revised by changing "an occupant load of 100 or more" in the second full paragraph to "an occupant load of 50 or more";

(55) Chapter 10, Subsection 1009.1 (Stairway width) of the *I.B.C.*, is revised by adding an exception to read: "Exception 5: Stairs or ladders used only to attend equipment are exempt from the requirements of this section.";

(56) Chapter 10, Subsection 1018.1 (Minimum number of exits) of the *I.B.C.*, is revised by adding an exception to read: "Exception: Basements or the first level below the first story in all occupancies except Group R-3 occupancies, used exclusively for the service of the building, may have access to only one exit. Any other use of the basement or first level below the first story must have at least two exits arranged as described in Section 1014.2. For purposes of this exception, storage rooms, laundry rooms, maintenance offices, and similar uses may not be considered as providing service to the building.";

(57) Chapter 10, Subsection 1025.1 (General) of the *I.B.C.*, is revised by deleting exceptions 1, 2, 3, 4, and 7 to the subsection;

(58) Chapter 11, Subsection 1101.1 (Scope) of the *I.B.C.*, is revised by deleting the first sentence and adding sentences at the end of the subsection to read: "Compliance review is limited to the accessible means of egress requirements of the code. Compliance with the requirements of this chapter and other provisions within this code for accessibility of physically disabled persons is the exclusive responsibility of the owner of the structure or design professional of record. An advisory plan review may be obtained regarding the design for accessibility of a structure from the office of the state coordinator for Americans with Disabilities Act at 801 West 10th Avenue, Suite A, Juneau, Alaska 99801; phone (907) 465-6929.";

(59) Chapter 12, Subsection 1203.3.2 (Exceptions) of the *I.B.C.*, Exception 4 is revised by deleting "in accordance with the *International Energy Conservation Code*";

(60) Chapter 12, Subsection 1205.4.1 (Controls) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(61) Chapter 12, Subsection 1206.3.3 (Court drainage) of the *I.B.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(62) Chapter 14, Subsection 1403.2 (Weather protection) of the *I.B.C.*, is revised by deleting the words "in accordance with the *International Energy Conservation Code*" from the last sentence of the first paragraph;

(63) Chapter 14, Subsection 1405.10.4 (Grounding) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(64) Chapter 15, Subsection 1503.4 (Roof drainage) of the *I.B.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(65) Chapter 16, Subsection 1601.1 (Scope) of the *I.B.C.*, is revised by adding a second paragraph to read: "This chapter is adopted as design criteria for the structural safety of buildings constructed under this code. Review for conformance with this criteria is not performed by the office of the state fire marshal. Compliance with the requirements of this chapter and other provisions within this code for structural design is the exclusive responsibility of the building owner or design professional of record.";

(66) Chapter 17, Subsection 1701.1 (Scope) of the *I.B.C.*, is revised by adding a second paragraph to read: "The provisions of this chapter are adopted as criteria to guide the owner and the registered design professional in meeting the tests and special inspections necessary to assure conformance with the applicable standards adopted under this code. Tests and inspections required by this code are not performed by the office of the state fire marshal, but are the responsibility of the building owner or design professional of record. The findings of these tests and inspections must be kept for the life of the building.";

(67) Chapter 27, Subsection 2701.1 (Scope) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(68) Chapter 27, Subsection 2702.1 (Installation) of the *I.B.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(69) Chapter 28, Subsection 2801.1 (Scope) of the *I.B.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(70) Chapter 30, Subsection 3004.4 (Closed vents) of the *I.B.C.*, is revised to read: "Closed Vents. When energy conservation requires that the vents be normally closed, automatic venting by actuation of an elevator lobby detector or power failure may be accepted. When hoist way pressurization is used, venting upon power failure may be accepted. In either case a manual override must be provided.";

(71) Chapter 31, Section 3103 (Temporary structures), first sentence of the *I.B.C.*, is revised to read: "The provisions of this section apply in deferred jurisdictions as allowed under 13 AAC [50.075](#) only, for structures other than tents and membrane structures, erected for a period of less than 180 days.";

(72) Chapter 31 of the *I.B.C.*, is revised by deleting Sections 3107 (Signs) and 3109 (Swimming Pool Enclosures And Safety Devices);

(73) Chapter 34, Subsection 3401.3 of the *I.B.C.*, is revised to read: "Compliance with other codes. Alterations, repairs, additions, and changes of occupancy to existing structures must comply with the provisions for alterations, repairs, additions, and changes of occupancy in the *International Fire Code* (2003 edition) as adopted by reference; the Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time; the *International Mechanical Code* as adopted by reference; and the Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time.";

(74) Chapter 34 Subsection 3403.1 (Existing buildings or structures) of the *I.B.C.*, is revised by deleting the exception;

(75) Chapter 34 Section 3406 (Change Of Occupancy) of the *I.B.C.*, is revised by deleting Subsection 3406.2 Certificate of occupancy;

(76) Chapter 34 Subsection 3409.1 (Scope) of the *I.B.C.*, is revised by adding sentences at the end of the first paragraph to read: "This section is adopted as a design reference for accessibility and is not reviewed by the office of the state fire marshal for compliance. Compliance with the requirements of this chapter is the exclusive responsibility of the owner of the structure. An advisory plan review may be obtained regarding the design for accessibility of a structure from the office of the state coordinator for Americans with Disabilities Act at 801 West 10<sup>th</sup> Avenue, Suite A, Juneau, Alaska 99801, phone (907) 465-6929.";

(77) Chapter 34, Subsection 3410.2 of the *I.B.C.*, is revised to read: "Applicability. Structures meeting the definition of "existing structure" under Section 202 of this code in which there is work involving additions, alterations, or changes of occupancy must conform to the requirements of this section or the provisions of secs. 3403 - 3407 of this code.";

(78) Chapter 34, Subsection 3410.3.2 (Compliance with other codes) of the *I.B.C.*, is revised by deleting the words "and *International Property Maintenance Code*";

(79) Chapter 35, (Referenced standards) of the *I.B.C.*, is revised by changing or adding the referenced standards from the publication date listed to the following edition, and the standards are adopted by reference:

N.F.P.A. 12-2002 *Portable Fire Extinguishers*

N.F.P.A. 13-2002 *Installation of Sprinkler Systems*;

N.F.P.A. 13D-2002 *Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*;

N.F.P.A. 13R-2002 *Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height*;

N.F.P.A. 14-2003 *Standpipe and Hose System*;

N.F.P.A. 72-2002 *National Fire Alarm Code*;

N.F.P.A. 750-2003 *Standards on Water Mist Fire Protection Systems*;

(80) Appendix of the *I.B.C.* is revised by adding a new Appendix K as follows:

## "APPENDIX K REPAIRS TO BUILDING AND STRUCTURES DAMAGED BY THE OCCURRENCE OF A NATURAL DISASTER"

K101 Purpose. The purpose of this appendix is to provide a defined level of repair for buildings or structures damaged by a natural disaster in jurisdictions where the governor has declared a formal condition of disaster emergency under [AS 26.23](#) by proclamation.

K102 General. Required repair levels must be based on the ratio of the estimated value of the repairs required to restore the structural members to their pre-disaster condition to the estimated replacement value of the building or structure.

K103 Structural repairs. When the ratio described in Section K102 does not exceed 10 percent, as determined by design professionals who are professional architects or professional engineers who meet the requirements of [AS 08.48](#), buildings and structures, except essential facilities included as Category III buildings and structures in Table 1604.5 of this code, must, at a minimum, be restored to their pre-disaster condition. When the ratio described in Section K102 is greater than 10 percent but less than 50 percent, buildings and structures, except essential facilities included as Category III buildings and structures in Table 1604.5 of this code, must have the damaged structural members, including all critical ties and connections associated with the damaged structural members, all structural members supported by the damaged member, and all structural members supporting the damaged members repaired and strengthened to bring them into compliance with the force levels and connection requirements of this code. These requirements apply to those essential facilities when the ratio described in Section K102 is less than 30 percent.

Exception: For buildings or structures with rigid diaphragms where the above-required repair and strengthening increases the rigidity of the resisting members, the entire lateral force-resisting system of the building or structure must be investigated.

When, in the opinion of the building official, an unsafe or adverse condition has been created as a result of the increase in rigidity, the condition must be corrected. When the ratio described in Section K102 is greater than 50 percent, buildings and structures, except essential facilities included as Category III buildings and structures in Table 1604.5 of this code, must, at a minimum, have the entire building or structure strengthened to comply with the force level and connection requirements of this code. These requirements apply to essential facilities when the ratio described in Section K102 is greater than or equal to 30 percent.

K104 Nonstructural repairs to light fixtures and suspended ceilings. Under all ratios calculated under K102, when light fixtures and the suspension systems of a suspended acoustical ceiling are damaged, the damaged light fixtures and suspension systems must be repaired to fully comply with the requirements of Subsection 803.9.1.1 of this code. Undamaged light fixtures and suspension systems must have the additional support and bracing that is required in Subsection 803.9.1 of this code.";

(81) Appendix of the *I.B.C.* is revised by adding a new APPENDIX L as follows:

"APPENDIX L NORTH SLOPE HYDROCARBON PROCESSING BUILDINGS.

L101 General. These provisions have been established to provide engineering methods for the design and construction of Hydrocarbon Processing Buildings on the North Slope of this state.

L102 Scope. These standards supersede the respective requirements of the 2003 International Building Code (*I.B.C.*), International Mechanical Code (*I.M.C.*), and International Fire Code (*I.F.C.*) as the minimum requirements for occupancies when designing and constructing North Slope hydrocarbon buildings in this state.

L102.2. Small unoccupied structures, shelters, and enclosures, such as well houses, meter building, and shut-down valve enclosures may be classified as a Group U occupancy if the following conditions are met:

1. The building is less than 1000 square feet;
2. The contents of the building include only meters, valves, or pipe work;
3. The building is not normally occupied more than once during a 12-hour period; and
4. If the building exceeds 250 square feet, the building has at least two exits.

L103 Basic allowable module size, height, and separation. The basic allowable module size, height, and separation for Hydrocarbon Processing Buildings must comply with Appendix L103.1 - L103.3 of this Code.

L103.1. Area and height. The maximum allowable floor area for Hydrocarbon Processing Buildings using a minimum of Type IIB construction is 10,000 square feet and the building may only be one story. The maximum allowable height shall be 65 feet; the reference datum shall be the top of the first floor framing system. Penthouse and roof structures are permitted to extend above the 65 foot height limit to meet special requirements, including aerial coolers, towers, and tower enclosures. Allowable area and building height increases permitted by Sections 504 and 506 of the *I.B.C.* do not apply.

L103.1.1. Service area platforms. An elevated platform or series of platforms of Hydrocarbon Processing Buildings may not be classified as a floor or mezzanine within a building, and are not subject to the requirements of Section 505 of the *I.B.C.* Access and egress requirements for service area platforms must be served by at least two exits per level, with one being directly to an exterior stair. Platforms must be constructed of grating-type material so that the main floor level below is visible through the platform. Upper service area platforms must be kept to the minimum size that is necessary to

accomplish occasional service, operating duties, and safe egress. Virtual wall-to-wall grating on upper levels is considered a story and must be included in floor area calculations.

L103.2. Module separation. Hydrocarbon processing buildings must comply with the provisions of Subsections 501.2 as amended by this code and Subsections 704 and 721.6.2.3 of the *I.B.C.*, for all occupancies. Elevated pipe ways extending from a building may not be considered "extensions" of the building.

L103.2.1. Building extensions and service area platforms. Building extensions of Hydrocarbon Processing Buildings into the yard, include landings, platforms, stairs, vessels, vessel enclosures, tanks, and exhaust or intake hoods. Clear and unobstructed access for fire fighting is to be no less than 40 feet. Bridging between buildings must be designed to allow access and operation for firefighting.

L103.3. Utilidors. Utilidors are considered pedestrian walkways and must comply with the provisions of Section 3104 of the *I.B.C.* If such utilidors do not comply with Section 3104, they will be classified as a building and required to meet all applicable sections of the *I.B.C.*

L104 Stairs, Landings, Handrails, and Guardrails. Stairs, landings, handrails, and guardrails must meet the minimum requirements of 8 AAC [61](#), as amended as of March 9, 2001 and as amended from time to time; these regulations supersede the respective requirements of the *I.B.C.*

L104.1. Floor level at doors. Floors or landings may be more than one inch lower than the threshold of doorways if an attempt is made to minimize the drop through the use of ramps at interior doorways as described in Subsection 1008.3.1.6 of the *I.B.C.*

L105 Construction specifics. The construction of Hydrocarbon Processing Buildings must comply with Appendix L105.1 - L105.4 of this Code.

L105.1. Fire walls. When a fire wall is used to qualify under Section 705 of the *I.B.C.*, the wall must comply with that section. If the fire wall does not extend to the ground, the structural supports for the wall must rest upon, and be completely supported by, the pilings.

L105.2. Tank support fireproofing. Fire proofing requirements for steel tank supports, as described in Subsection 3404.2.9.1.3 of the *I.F.C.* (2003 edition) as adopted by reference, may be waived by the building official when justified, based on the remoteness of the facility and lack of public access, or analytical or empirical results indicating that sufficient heat could be transmitted to the permafrost to cause foundation settlement.

L105.3. Foam plastic insulated building panels. For hydrocarbon processing buildings used in the actual processing of hydrocarbons and, not normally used in other mineral extraction or manufacturing activities, foam plastic insulated building panels used on

these buildings may apply a foam plastic insulated building panel thermal barrier with an index of 15. Factory Mutual approval Standard 4880 or Underwriters Laboratory (UL) Subject 1040 are acceptable tests for the purposes of approval under Subsection 2603.8 of the *I.B.C.*

L105.4. Electrical or communication equipment shelters and wellhead covers. Thermal barrier requirements as described in Subsection 2603.4 of the *I.B.C.*, are not required for fiberglass or metal covered foam panels used for construction of electrical or communication equipment shelters and wellhead covers if the following conditions are met:

1. Foam used must meet the requirements described in Subsection 2603.3 of the *I.B.C.*;
2. The area of an individual shelter or cover may not exceed 1000 square feet;
3. Separation between individual shelters must be a minimum of six feet. Each wellhead must have an individual cover, but the minimum separation between individual covers does not apply;
4. The electrical or communication shelter or wellhead cover must normally be unoccupied. It is understood that operators need to spend approximately 10 minutes per day taking readings in well heads covers and that maintenance is infrequently required. The most extensive maintenance is well wireline work. This work may extend to a week per well and occur once every several years per well. Most of this work is accomplished from outside the well head cover. All maintenance is strictly controlled with a permit system;
5. The electrical or communication shelters designed with workstations in the facility do not qualify for this modification.

L106 Fire suppression. The provisions in Sections L106.1 - L106.3 establish the standards for fire suppression at North Slope Hydrocarbon Processing Buildings.

L106.1. Halon 1301 system automatic activation for gas detection. In areas of Hydrocarbon Processing Buildings where (1) both fire and explosion hazards exist, (2) both fire and gas detection systems are installed, (3) the fire and gas detection devices alarm at a continuously staffed control room and trained operators can quickly respond to the fire and gas alarms following specific fire and gas alarm response procedures, and (4) collateral fire damage is likely to be minimal, the following Halon 1301 operating activation mode is acceptable: Automatic activation of the Halon 1301 system upon gas detection coupled with manual activation of the same Halon 1301 system on fire detection.

L106.2. Manual activation of total flooding fire suppression systems. In areas where (1) the only hazard is fire, not explosion, (2) fire detection devices alarm at continuously staffed control rooms, (3) trained operators can quickly respond to the fire alarms

following specific fire alarm response procedures, and (4) collateral fire damage is likely to be minimal, manual activation of the total flooding fire suppression agent is acceptable. These areas also include continuously staffed control rooms.

L106.3. Platform width. In buildings protected with fire sprinkler systems, any platform that exceeds four feet in width or length is considered an obstruction for the purposes of the installation of sprinkler systems under Subsection 903.3.1.1 of the *I.B.C.*".

✚ **History:** Eff. 6/25/69, Register 30; am 2/21/71, Register 37; am 6/15/79, Register 71; am 1/14/81, Register 77; am 8/2/86, Register 99; am 10/28/90, Register 116; am 6/10/93, Register 126; am 3/7/96, Register 136; am 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171

✚ **Authority:** [AS 18.70.080](#)

**Editor's note:** Copies of the *International Building Code, 2003 Edition (I.B.C.)* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California, 90601-2298; phone: (800) 284-4406; (562) 699-0541 or at [www.iccsafe.org](http://www.iccsafe.org).

✚ **13 AAC 50.023. Mechanical code**

✚ The *International Mechanical Code (I.M.C.)* Chapters 1 - 15 and Appendix A (2003 Edition) are adopted by reference to regulate all occupancies and buildings with the following revisions:

(1) Chapter 1 of the *I.M.C.*, is revised by deleting Sections 103, 104, and 106 - 109;

(2) Chapter 1, Subsection 101.2 of the *I.M.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time" and by deleting Exceptions 1 and 2;

(3) Chapter 2, Subsection 201.3 of the *I.M.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(4) Chapter 2, Subsection 201.3 of the *I.M.C.*, is revised by deleting the references to the "*International Fuel Gas Code*" and "*International Plumbing Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(5) Chapter 3, Subsection 301.2, first sentence of the *I.M.C.*, is revised by deleting the words "in accordance with the *International Energy Conservation Code*";

(6) Chapter 3, Subsection 301.3 of the *I.M.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(7) Chapter 3, Subsection 301.7 of the *I.M.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(8) Chapter 3, Subsection 301.8 of the *I.M.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(9) Chapter 3, Subsection 303.3 Exception 3 second sentence of the *I.M.C.*, is revised by deleting the words "of the *International Energy Conservation Code*";

(10) Chapter 3, Subsection 304.7 of the *I.M.C.*, is revised to read: "Clearances to combustible construction. Heat-producing equipment and appliances must be installed to maintain the required clearances to combustible construction as specified in the listing and manufacturer's instructions. These clearances may be reduced only in accordance with Section 308 of the *I.M.C.* Certain unlisted, heat-producing equipment shall be allowed if the equipment is installed in a manner so as to maintain the clearances to combustible construction specified in Table 304.7 of this Code. Clearances to combustibles must include considerations as door swing, drawer pull, overhead projections or shelving and window swing, shutters, coverings, and drapes. Devices such as doorstops or limits, closers, drapery ties, or guards, may not be used to provide the required clearances.";

(11) Chapter 3, Subsection 304.7 of the *I.M.C.*, is revised by adding Table 304.7 and 304.8 to read:

"Table 304.7 STANDARD INSTALLATION CLEARANCES, IN INCHES FOR  
CERTAIN UNLISTED HEAT-PRODUCING APPLIANCES

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(12) Chapter 3, Section 312.1, third sentence of the *I.M.C.*, is revised by deleting the words "using the design parameters specified in Chapter 3 of the *International Energy Conservation Code*";

(13) Chapter 4, Subsection 403.3, first sentence of the *I.M.C.*, is revised to read: "Ventilation systems must be designed to have the capacity to supply the minimum outdoor airflow rate required in Table 403.3 based on the occupancy of the space and the occupant load or other parameter as stated herein, or in accordance with the American Society of Heating, Refrigeration and Air Conditioning Engineers (*ASHRAE*) *Standard 62* (2001 Edition) as adopted by reference.";

(14) Chapter 5, Section 513 of the *I.M.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with, "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(15) Chapter 5, Section 514.1, of the *I.M.C.*, is revised by deleting the second sentence and replacing it with "Energy recovery ventilation systems must be installed according to the manufacturer's instructions and specifications.";

(16) Chapter 6, Subsection 603.9, second sentence of the *I.M.C.*, is revised by deleting the words "in accordance with the *International Energy Conservation Code*";

(17) Chapter 6, Subsection 604.1, first sentence of the *I.M.C.*, is revised by deleting the words "and the *International Energy Conservation Code*";

(18) Chapter 7, Subsection 701.1, second sentence of the *I.M.C.*, is revised to read: "The requirements for combustion and dilution air for gas-fired appliances shall be in accordance with the *International Fuel Gas Code*, 2003 Edition, Section 304 of which is adopted by reference.";

(19) Chapter 7, Subsection 709.1 of the *I.M.C.*, is revised by adding a sentence immediately following the first sentence to read: "Combustion-air openings must be covered with corrosion-resistant screen of no greater than one inch (13 mm) mesh.";

(20) Chapter 8, Subsection 801.1 of the *I.M.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(21) Chapter 9, Subsections 901.1 and 906.1 of the *I.M.C.*, are revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(22) Chapter 9, Subsection 908.5 of the *I.M.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(23) Chapter 9 of the *I.M.C.*, is revised by the addition of Section 926 to read:

"SECTION 926 UNVENTED ROOM HEATERS

926.1 General. Unvented room heaters shall be tested in accordance with American National Standards Institute (ANSI) Z21.11.2 (1996 Edition), adopted by reference and may be installed in accordance with the conditions of the listing and the manufacturer's installation instructions.

926.2 Prohibited use. One or more unvented room heaters may not be used as the sole source of comfort heating in a dwelling unit.

926.3 Input rating. Unvented room heaters may not have an input rating in excess of 40,000 Btu/h (11.7 kW).

926.4 Prohibited locations. Unvented room heaters may not be installed within Group A, E, or I Occupancies. These appliances may not be located in, or obtain combustion air from, any of the following rooms or spaces:

1. Sleeping rooms;
2. Bathrooms;
3. Toilet rooms;
4. Storage closets;
5. Surgical rooms.

Exceptions: 1. A single wall-mounted unvented room heater equipped with an oxygen depletion safety shutoff system and installed in a bathroom provided the input rating does not exceed 6000 Btu per hour (1.76 kW) and the bathroom is not a confined space. 2. A single wall-mounted unvented room heater equipped with an oxygen depletion safety shutoff system and installed in a bedroom if the input rating does not exceed 10,000 Btu per hour (2.93 kW) and the bedroom is not a confined space.

926.5 Room or space volume. The aggregate input rating of all unvented appliances installed in a room or space may not exceed 20 Btu/h per cubic foot of volume of the room or space. Where the room or space in which the equipment is installed is directly connected to another room or space by a doorway, archway, or other opening of comparable size that cannot be closed, the volume of such adjacent room or space may be permitted to be included in the calculations.

926.6 Oxygen-depletion safety system. Unvented room heaters shall be equipped with an oxygen-depletion-sensitive safety shutoff system. The system shall shut off the gas supply to the main and pilot burners when the oxygen in the surrounding atmosphere is depleted to the percent concentration specified by the manufacturer, but not lower than 18 percent. The system may not incorporate field adjustment means capable of changing the set point at which the system acts to shut off the gas supply to room heater.

926.7 Unvented log heaters. An unvented log heater may not be installed in a factory-built fireplace unless the fireplace system has been specifically tested, listed, and labeled for the use in accordance with Underwriters Laboratories (UL) 127.";

(24) Chapter 10, Subsection 1001.1 of the *I.M.C.*, is revised to read: "Scope. This chapter governs the installation, alteration, and repair of boilers, water heaters, and pressure vessels not subject to the provisions of the Department of Labor and Workforce Development under [AS 18.60.180](#) - 18.60.395.";

(25) Chapter 10 of the *I.M.C.*, is revised by deleting the references "*International Plumbing Code*" and replacing them with the references "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(26) Chapter 10 of the *I.M.C.*, is revised by deleting Section 1011;

(27) Chapter 11, Subsection 1101.4 of the *I.M.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(28) Chapter 11, Subsections 1101.5 of the *I.M.C.*, is revised by deleting the references "*International Fuel Gas Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(29) Chapter 12, Subsections 1201.1, 1206.2 and 1206.3 of the *I.M.C.*, are revised by deleting the reference "*International Plumbing Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(30) Chapter 12, Subsection 1204.1, first sentence of the *I.M.C.*, is revised by deleting the words "shall conform to the requirements of the *International Energy Conservation Code*";

(31) Chapter 12, Subsection 1204.2, first sentence of the *I.M.C.*, is revised by deleting the words "to the thickness required by the *International Energy Conservation Code*";

(32) Chapter 14 of the *I.M.C.*, is revised by deleting the body of the chapter and inserting a new Section 1401 to read: "General. Solar energy equipment and appliances must be installed in compliance with the Solar Energy Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(33) Chapter 15, of the *I.M.C.*, is revised by adding or changing the referenced standards from the publication date listed to the following edition, and these standards are adopted by reference:

N.F.P.A. 13-2002 Installation of Sprinkler Systems;

N.F.P.A. 72-2002 National Fire Alarm Code;

N.F.P.A. 96-2001 Ventilation Control and Fire Protection of Commercial Cooking Operations.

☒ **History:** Eff. 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171

☒ **Authority:** [AS 18.70.080](#)

**Editor's note:** Copies of the *International Mechanical Code, 2003 Edition (I.M.C.)* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298; phone: (800) 284-4406; (562) 699-0541 or at [www.iccsafe.org](http://www.iccsafe.org).

☒ **13 AAC 50.025. Fire code**

☒ The *International Fire Code (I.F.C.)*, Chapters 1 - 45 and Appendices B - G (2003 Edition) are adopted by reference to regulate all occupancies and buildings for the safeguarding of life and property from the hazards of fire and explosion arising from the storage, handling, and use of hazardous substances, materials, and devices, and from other conditions hazardous to life and property, with the following revisions:

- (1) Chapter 1 of the *I.F.C.*, is revised by deleting Sections 103, 106, 108, 109, and 111;
- (2) Chapter 1 of the *I.F.C.* is revised by deleting Subsections 104.2, 104.3, 104.4, 104.5, 104.6, 104.10, 104.11, 104.11.1, and 104.11.2;
- (3) Chapter 1, Subsection 102.3 of the *I. F. C.*, (Change of use or occupancy) is revised by deleting the reference to the "International Existing Building Code" and replacing it with "International Building Code";
- (4) Chapter 1, Subsection 102.4, of the *I. F. C.*, (Application of building code) is revised by deleting the reference to the "International Existing Building Code" and replacing it with "International Building Code";
- (5) Chapter 1, Subsection 102.5, of the *I.F.C.* is revised by deleting the reference to the "International Existing Building Code" and replacing it with "International Building Code";
- (6) Chapter 1 of the *I.F.C.*, is revised by deleting Section 105, and the related permit requirements of Subsections 301.2, 308.4.1, 315.1, 601.2, 901.3, 1101.3, 1201.2, 1301.2, 1501.2, 1601.2, 1701.2, 1801.5, 1901.2, 2001.2, 2101.2, 2201.2, 2301.2, 2403.4, 2501.2, 2601.2, 2701.5, 2801.2, 2901.3, 3001.2, 3101.2, 3201.2, 3301.2, 3401.4, 3501.2, 3601.2, 3701.2, 3801.2, 3901.2, 4001.2, 4101.2, 4201.2, 4301.2, and 4401.2;

(7) Chapter 2, Subsection 201.3 of the *I.F.C.*, is revised by deleting the references "*International Fuel Gas Code*" and "*International Plumbing Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(8) Chapter 2, Section 202 of the *I.F.C.*, is revised by changing the definition of "Educational Group E, Day care" to read: "The use of a building or structure, or portion of the building or structure, for education, supervision, or personal care services for more than five children who are older than two and one-half years of age, including children related to the staff shall be classified as a Group E occupancy.";

(9) Chapter 2, Section 202 of the *I.F.C.*, is revised by adding a new paragraph between the first and second paragraphs of the definition of "Institutional Group I-1" in "Occupancy Classification" to read: "A facility in this occupancy classification that has occupants who need physical assistance to respond in emergency situations must comply with the *International Building Code*, Section 419."

(10) Chapter 2, Section 202 of the *I.F.C.*, is revised by adding an exception under the definition "Educational Group E Day care" to read: "Exception: Family child care homes (Group R-3) operating between the hours of 6:00 a.m. and 10:00 p.m. may accommodate a total of 12 children of any age without conforming to the requirements of a Group E occupancy except for (1) smoke alarms as described in Subsection 907.2.10; (2) general means of egress requirements of Section 1003, including emergency escape and rescue openings, as required by Section 1025, in napping or sleeping rooms; and (3) portable fire extinguisher requirements as described in Section 906";

(11) Chapter 2, Section 202, first sentence of the last paragraph of the definition "Institutional Group I-1" of the *I.F.C.*, is revised to read: "A facility such as one described above with five or fewer persons, including persons related to the staff, shall be classified as Group R-3.";

(12) Chapter 2, Section 202, second paragraph of the definition "Institutional Group I-2" of the *I.F.C.*, is revised to read: "A facility such as one described above, with five or fewer persons including persons related to the staff, shall be classified as Group R-3."

(13) Chapter 2, Section 202, last paragraph of the definition of "Institutional Group I-2" of the *I.F.C.*, is revised to read: "A child care facility that provides care on a 24-hour basis to more than five children who are two and one-half years of age or less, including children related to the staff shall be classified as Group I-2.";

(14) Chapter 2, Section 202, second sentence of the definition "Group I-4, day care facilities" of the *I.F.C.*, is revised to read: "A facility within this occupancy classification with five or fewer persons, including persons related to the staff, shall be classified as a Group R-3.";

(15) Chapter 2, Section 202, last sentence of the definition of "R-3" in "Residential Group R" of "Occupancy Classification" is deleted and the last sentence of the last paragraph of "R-4" in "Residential Group R" of "occupancy classification" is revised to delete the reference to International Residential Code;

(16) Chapter 2, Section 202 of the *I.F.C.*, is revised by adding a new paragraph of the definition of "R-4" in "Residential Group R" of "Occupancy Classification" between the first and second paragraphs to read: "Facilities within this occupancy classification that have occupants needing physical assistance to respond in emergency situations must comply with International Building Code, Section 419.";

(17) Chapter 2, Section 202 of the *I.F.C.*, is revised by the addition of a definition to read: "Service. The annual test, maintenance, or service defined and required by applicable fire protection system maintenance standards set out in Table 901.6.1.";

(18) Chapter 3, Subsection 307.2 of the *I.F.C.*, is revised to read: "Approval. The fire chief of a registered department having jurisdiction, may allow a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, or a bonfire. Application, as required by the chief of that registered fire department, must be presented by the owner of the land upon which the fire is to be kindled before kindling such fire.";

(19) Chapter 3, Subsection 308.3 of the *I.F.C.*, is revised to read: "Open flame. The use of open flame in connection with a public meeting or gathering for the purposes of deliberation, worship, entertainment, amusement, instruction, education, recreation, awaiting transportation, or similar purposes in assembly or educational occupancies must be done in consultation with the registered fire department having jurisdiction.";

(20) Chapter 3, Subsection 311.1.1 of the *I.F.C.*, is revised by deleting the reference "*International Property Maintenance Code*";

(21) Chapter 4, Subsection 401.3, first sentence of the *I.F.C.*, is revised to read: "In the event an unwanted fire occurs on a property, the owner or occupant shall immediately report the conditions to the registered fire department having jurisdiction.";

(22) Chapter 4, Section 405 of the *I.F.C.*, is revised by the addition of a subsection to read: "405.10 False alarms. False alarms may not be counted as a fire drill for the purposes of Section 405. EMERGENCY EVACUATION DRILLS.";

(23) Chapter 4, Subsection 407.1 of the *I.F.C.*, is revised to read: "General. The provisions of Sections 407.2 through 407.7 shall be applicable, in the discretion of the chief of the registered fire department that has jurisdiction, where hazardous materials are located on the premises."

(24) Chapter 4, Subsection 408.3 of the *I.F.C.*, is revised by the addition of a subsection to read "408.3.5 False alarms. False alarms may not be counted as a fire drill for the purposes of this section.";

(25) Chapter 5, Subsection 503.1.1 of the *I.F.C.*, is revised to read: "Buildings and facilities. The fire chief of the registered department having jurisdiction may require approved fire apparatus roadways for every facility, building, or portion of a building constructed or moved into or within the jurisdiction on or after 9/15/2001. The fire apparatus access roadway must be required to comply with the requirements of this section as determined by the chief of that jurisdiction and be required to extend within 150 feet (45 720 mm) of all portions of the facility or building or any portion of the exterior wall of the first story of the facility or building as measured by an approved route around the exterior of the building or facility."

(26) Chapter 5, Subsection 503.1.1, lead in line to the Exception of the *I.F.C.*, is revised to read: "Exception: The chief of the registered fire department having jurisdiction may increase or decrease the dimension of 150 feet (45 720 mm) where:";

(27) Chapter 5, Subsection 503.1.2, first sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(28) Chapter 5, Subsection 503.2.2, first sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(29) Chapter 5, Subsection 503.2.4, first sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(30) Chapter 5, Subsection 503.3, first sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(31) Chapter 5, Subsection 503.5, first sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(32) Chapter 5, Subsection 503.5.1, second sentence of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(33) Chapter 5, Subsection 505.1, first sentence of the *I.F.C.*, is revised to read: "The chief of the registered fire department having jurisdiction may require that all new and existing buildings be provided with approved address numbers, building numbers, or approved building identification visible from the street or road fronting the property, or on the street or road if the building is not visible from the street or road.";

(34) Chapter 5, Subsection 505.2 first sentence of the *I.F.C.*, is revised to read: "The chief of the registered fire department having jurisdiction may require streets and roads to be identified with approved signs.";

(35) Chapter 5, Section 506.1 and Subsection 506.1.1 of the *I.F.C.*, is revised by deleting the phrase "code official " wherever it occurs in the section and replacing it with "fire code official";

(36) Chapter 5, Subsection 508.1 first sentence of the *I.F.C.*, is revised to read: "The chief of the registered fire department having jurisdiction may require that an approved water supply capable of supplying the required fire flow for fire protection be provided to premises upon which facilities, buildings, or portions of facilities or buildings are constructed or moved into or within the jurisdiction on or after 9/15/2001";

(39) Chapter 5, Subsection 508.4 of the *I.F.C.*, is revised by deleting the phrase "code official" and replacing it with "fire code official";

(40) Chapter 6, Section 603 of the *I.F.C.*, is revised by deleting the references "*International Fuel Gas Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time", and the reference "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(41) Chapter 6, Section 604 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(42) Chapter 6, Subsection 604.2.15.2 of the *I.F.C.* is revised by the addition of a new subsection to read: "604.2.15.2.2 Pickup time. The emergency power system must pick up its connected loads within 10 seconds of failure of the normal power supply."

(43) Chapter 6, Sections 605 and 606 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(44) Chapter 7, Subsection 703.2.3 of the *I.F.C.*, is revised by adding a new Subsection 703.2.3.1 to read: "703.2.3.1 Operation. Fire assemblies may not be obstructed or otherwise impaired from their proper operation at any time. When two or more self-closing fire assemblies within a building have been documented as having been obstructed or impaired during three or more consecutive inspections, the fire code official may order the installation of automatic-closing devices meeting the requirements of Subsection 714.2.7.3 of the *I.B.C.*";

(45) Chapter 9, Subsection 901.4 of the *I.F.C.*, is revised by adding an exception to read: "Exception: Buildings temporarily closed due to seasonal operations may have their fire systems deactivate under the following conditions:

1. Building is unoccupied;

2. Building is properly secured;
3. All utilities are disconnected and drained;
4. The fire systems are certified as operational before the building is reoccupied;
5. A 24-hour a day fire watch as defined in Section 202 is provided during the interim between when utilities are reactivated and the fire systems are certified as operational;
6. The fire code official is notified in writing of the closure; and
7. A letter from the insurance carrier or, the owner if self-insured, indicating knowledge of the closure is provided to the fire code official";

(46) Chapter 9, Subsection 901.5 of the *I.F.C.*, is revised to read: "Fire detection and alarm systems, fire-extinguishing systems, fire standpipes systems, and other fire protection systems and appurtenances to those systems must meet the approval of the authority having jurisdiction as to installation and location, and are subject to the acceptance test required by the standard in Table 901.6.1 for the system or appurtenance. Fire hydrant systems, fire pump systems, and private fire service mains installed as a requirement by the fire chief of the registered fire department having jurisdiction, are subject to the acceptance tests as contained in the installation standards and as approved by the chief. The chief must be notified before any required testing, and all results of the tests must be conveyed to the chief within 30 days.";

(47) Chapter 9, Subsection 901.6 of the *I.F.C.*, is revised by adding a second paragraph to read: " Notwithstanding other code or standard requirements established by this section, fire protection systems and fire extinguishers must be inspected, tested, and serviced as follows:

1. Annually. Exception: Standpipe systems must be inspected, tested, and serviced every five years;
2. After any use or activation;
3. Any time damage is found;
4. After repair or alteration;
5. When required by the fire code official;
6. After a seasonal shutdown.

Reports of inspections and tests must be maintained on the premises, and a copy of the acceptance test certificate must be forwarded to the fire code official by the person conducting the inspection or test within 30 days of the inspection or test being completed.

The annual fire extinguisher testing may be performed by any person who has a valid permit in accordance with 13 AAC [50.030\(h\)](#) , including the building owner or the owner's agent.";

(48) Chapter 9, Subsection 903.2.2 of the *I.F.C.*, is revised to read: "An automatic sprinkler system must be provided throughout all buildings in Group E occupancies and for every portion of educational buildings below the level of exit discharge. The use of a fire wall does not establish a separate building for purposes of this section.

Exception: Buildings with Group E occupancies having an occupant load of 49 or less";

Day care uses that are licensed to care for more than five persons between the hours of 10 p.m. and 6 a.m. must be equipped with an automatic sprinkler system designed and installed in accordance with Subsection 903.3.1.3., or an approved equivalent system.";

(49) Chapter 9, Subsection 903.2.9 of the *I.F.C.*, is revised by deleting the words "with more than eight occupants";

(50) Chapter 9, Subsection 903.2.7 (Group R) of the *I.F.C.* is revised to read: "Group R. An automatic sprinkler system must be installed in Group R occupancies as required in 903.2.7.1 through 903.2.7.3.";

(51) Chapter 9, of the *I.F.C.* is revised by adding a new subsection "903.2.7.1 Group R-1. An automatic sprinkler system or a residential sprinkler system installed in accordance with Section 903.3.1.2 must be provided throughout all buildings with a Group R-1 fire area. Exception: Where guestrooms are not more than three stories above the lowest level of discharge and each guestroom has at least one door leading directly to an exterior exit access that leads directly to an approved exit.";

(52) Chapter 9, of the *I.F.C.* is revised by adding a new subsection "903.2.7.2 Group R-2. An automatic sprinkler system or a residential sprinkler system installed in accordance with Section 903.3.1.2 must be provided throughout all buildings with a Group R-2 fire area that are more than two stories in height, including basements, or that have more than sixteen dwelling units or sleeping rooms.";

(53) Chapter 9, of the *I.F.C.* is revised by adding a new subsection "903.2.7.3 Group R-4. An automatic sprinkler system or a residential sprinkler system installed in accordance with Section 903.3.1.2 must be provided throughout all buildings with a Group R-4 fire area.";

(54) Chapter 9, Subsection 903.3.1.1 of the *I.F.C.*, is revised by adding a new Subsection 903.3.1.1.2 to read: "903.3.1.1.2 Elevator Hoistways and Machine Rooms. When the provisions of this code require the installation of automatic sprinkler systems, the installation in elevator hoistways and machine rooms must occur as described in N.F.P.A. 13-2002, (Elevator Hoistways and Machine Rooms) and adopted by reference, and the

American Society for Mechanical Engineers (A.S.M.E.) A17.1 *Safety Code for Elevators and Escalators* (2000 Edition) and adopted by reference.

Exception: Sprinklers are not required in an elevator machine room where the machine room is:

(1) separated from the remainder of the building as described in *I.B.C.* Section 3006.4;

(2) smoke detection is provided in accordance with N.F.P.A. 72-1999 and adopted by reference; and,

(3) notification of alarm activation is received at a constantly monitored location.";

(55) Chapter 9, Subsection 903.3.5 of the *I.F.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(56) Chapter 9, Subsection 903.6 of the *I.F.C.*, is revised by adding a new Subsection 903.6.2 to read: "An approved automatic fire extinguishing system must be installed in a Group E occupancy in accordance with Section 903.2.2, as revised, whenever alterations, repairs, or additions are made to an existing structure containing a Group E Occupancy.";

(57) Chapter 9, Subsection 904.3.1 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(58) Chapter 9, Subsection 904.11 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(59) Chapter 9, Subsection 907.1.1 of the *I.B.C.*, is revised by adding the following construction documents to those that must be submitted for plan review:

12. System riser diagrams.

(60) Chapter 9, Subsection 907.2.3 of the *I.F.C.*, is revised by adding a second paragraph to read: "Rooms used for sleeping or napping purposes within a day care use of a Group E occupancy must be provided with smoke alarms that comply with Section 907.2.10.1.2.";

(61) Chapter 9, Subsection 907.2.10 of the *I.F.C.*, is revised by adding a second paragraph to read: "When a plan review is required for an existing Group R occupancy, smoke alarms must be installed as described in Section 907.2.10.1.";

(62) Chapter 9, Subsection 907.17 of the *I.F.C.*, is revised by adding a new sentence to read: "A copy of the acceptance test certificate must be forwarded to the state fire

marshal or the deferred jurisdiction having authority by the firm conducting the test within 30 days of the completion of the installation.";

(63) Chapter 9, Section 909 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(64) Chapter 9, Subsection 912.5 of the *I.F.C.*, is revised by deleting the reference to the "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(65) Chapter 10, Section 1001.1, Exception of the *I.F.C.* is revised by adding the following words to the last sentence: "as governed by the provisions of [AS 18.70.080](#) .";

(66) Chapter 10, Subsection 1008.1.9 (Panic and Fire Exit Hardware) of the *I.F.C.*, is revised by changing "an occupant load of 100 or more" in the second full paragraph to "an occupant load of 50 or more";

(67) Chapter 10, Subsection 1009.1 (Stairway width) of the *I.F.C.*, is revised by adding the following

Exception: 5. "Stairs or ladders used only to attend equipment are exempt from the requirements of this section.";

(68) Chapter 10, Subsection 1018.1 (Minimum number of exits) of the *I.F.C.*, is revised by adding an exception to read: "Exception: Basements or the first level below the first story in all occupancies except Group R-3, used exclusively for the service of the building, may have access to only one exit. Any other use of the basement or first level below the first story must have at least two exits arranged in accordance with Section 1014.2. For purposes of this exception, storage rooms, laundry rooms, maintenance offices, and similar uses may not be considered as providing service to the building."

(69) Chapter 10, Subsection 1025.1 (General) of the *I.F.C.*, is revised by deleting exceptions 1, 2, 3, 4, and 7;

(70) Chapter 11, Section 1102.1 of the *I.F.C.*, first sentence of the definition "Airport" is revised to delete the words "with an overall length greater than 39 feet (11887 mm) and an overall exterior fuselage width greater than 6.6 feet (2012 mm)";

(71) Chapter 11, Subsection 1103.5 of the *I.F.C.*, last sentence, is revised to read: "Aircraft motor vehicle fuel-dispensing stations shall be in accordance with Chapter 22 of the *I.F.C.* and N.F.P.A. 407 (1996 edition), and adopted by reference.";

(72) Chapter 11, Section 1105 of the *I.F.C.*, is revised by deleting Subsection 1105.8;

(73) Chapter 11, Subsection 1106.1 of the *I.F.C.*, is revised to read: "Aircraft motor vehicle fuel-dispensing stations shall be in accordance with Chapter 22 and N.F.P.A. 407, (1996 Edition), and adopted by reference.";

(74) Chapter 11, Subsection 1106.3 of the *I.F.C.*, is revised by the addition of an exception to read: "Exception: A vehicle or trailer tank with a capacity of 250 gallons or less may be used for non-commercial refueling of private non-commercial aircraft if the following requirements are met:

1. The tank is placarded with no smoking signs, the type of fuel contained in the tank, and the tank capacity;
2. The tank and all appurtenances used in the fueling operation are listed and approved for the specific purpose;
3. Electrical bonding is provided as required under Section 1106.3.7.";

(75) Chapter 11, Subsection 1106.3.4 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(76) Chapter 12, Subsection 1204.2.3 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(77) Chapter 14, Section 1403 of the *I.F.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(78) Chapter 14, Subsection 1404.7 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(79) Chapter 15, Section 1503 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(80) Chapter 15, Subsection 1504.1.4.4 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(81) Chapter 15, Subsection 1511.4.1 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(82) Chapter 16, Subsection 1604.5 of the *I.F.C.*, is revised (1) by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time", and (2) by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(83) Chapter 17, Subsection 1703.2.1 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(84) Chapter 18, Section 1803 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(85) Chapter 19, Subsection 1903.4 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(86) Chapter 20, Subsection 2004.1 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(87) Chapter 22 of the *I.F.C.*, is revised by deleting the references "*International Fuel Gas Code*" and "*International Plumbing Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(88) Chapter 22 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(89) Chapter 22, Subsection 2206.2.3 of the *I.F.C.*, is revised by adding an item 4 to read: "4. Approved above-ground atmospheric tanks may be used without a special enclosure or fire rating if the following criteria are met:

A. Tanks must be located as required for "Other Tanks" by Table 2206.2.3;

B. Tanks must be enclosed by a six-foot high industrial type chain link fence with a minimum of two access gates located at opposite side of the enclosure. Each gate must be at least 36 inches wide. There must be a minimum working distance of five feet between the tank and the fence.";

(90) Chapter 22, Subsection 2206.7.7.1 of the *I.F.C.*, is revised by adding an exception to read: "Exception: A leak detection device is not required if the underground piping is extra-heavy wall steel with all welded joints, dielectric coating, and cathodic protection.";

(91) Chapter 22, Subsection 2211.2.3, first paragraph of the *I.F.C.*, is revised by adding a sentence to read: "Where oil separators or traps are provided, neither the oil nor water phase may drain to septic systems, dry wells, or other means of underground discharge.";

(92) Chapter 24 of the *I.F.C.*, is revised by deleting the references "*International Fuel Gas Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(93) Chapter 24, Subsection 2403.2 of the *I.F.C.*, first sentence is revised to delete "a permit and";

(94) Chapter 24, Subsection 2403.7 of the *I.F.C.*, is revised by deleting "permit" and "permittee".;

(95) Chapter 24, Subsection 2403.12.6.1 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(96) Chapter 26, Subsection 2606.4 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(97) Chapter 27, Subsection 2701.5 of the *I.F.C.*, is revised to read: "Documentation. The fire chief of the registered fire department having jurisdiction may require the documentation of the closure plans for the termination of the storage, use, or handling of hazardous materials at least 30 days before the termination. The fire chief is authorized to require that the documentation include an approved facility closure plan in accordance with Section 2701.5.3. The fire chief may require the submission of the Hazardous Materials Management Plan and Hazardous Materials Inventory Statement indicated in Sections 2701.5.1. and 2701.5.2.";

(98) Chapter 27, Subsection 2703.1 of the *I.F.C.*, is revised by deleting the phrase "fire code official" and replacing it with "the fire chief of the registered fire department having jurisdiction";

(99) Chapter 27 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(100) Chapter 27, Subsection 2704.2.2.6 of the *I.F.C.*, is revised by deleting the reference "*International Plumbing Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(101) Chapter 30 of the *I.F.C.*, is revised (1) by deleting the references "*International Fuel Gas Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time"; and (2) by

deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(102) Chapter 32 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(103) Chapter 33, Subsection 3301.1, (Scope) of the *I.F.C.*, is revised to insert "and AS 18.72" after "The provisions of this chapter";

(104) Chapter 33, Subsection 3301.1.3, first Paragraph of the *I.F.C.*, is revised, with the exceptions remaining, to read: "The storage, use, and handling of fireworks is prohibited except as allowed in this subsection and AS 18.72";

(105) Chapter 33, Subsection 3301.1 of the *I.F.C.*, is revised by adding a new Subsection 3301.1.1.6 to read: "Transportation. Explosive materials must be transported in accordance with 49 C.F.R. Parts 100 - 185, revised as of October 1, 2002. No person may sell fireworks, possess, or transport fireworks for sale, conduct a fireworks display described in paragraph 111 of this section, or possess, transport or test dangerous fireworks for such a display, unless the person holds a valid permit or license under this section, and the activity is conducted in accordance with [AS 18.72](#) and this chapter.";

(106) Chapter 33, Subsection 3301.7 of the *I.F.C.*, is revised by adding the words "or AS 18.72.";

(107) Chapter 33 of the *I.F.C.*, is revised by deleting Subsections 3301.2 Permit required, 3301.2.4 Financial Responsibility, and 3301.2.4.2 Fireworks display;

(108) Chapter 33, Subsection 3301.2.2 of the *I.F.C.*, is revised by deleting the words "explosives, explosive materials, or fireworks" and inserting in their place "explosives and explosive materials";

(109) Chapter 33, Section 3308 of the *I.F.C.*, is revised by re-titling the section "FIREWORKS RETAIL SALES AND DISPLAYS";

(110) Chapter 33, Subsection 3308.1 of the *I.F.C.*, is revised by adding a second paragraph to read: "Retail sales of salable fireworks must comply with Subsection 3308.11.";

(111) Chapter 33, Subsection 3308.2 of the *I.F.C.* is revised to read: "Permit application.  
(a) The following licenses or permits are required to conduct activity described in paragraph 105 of this section:

(1) a wholesaler's license, as described in [AS 18.72](#), to sell, or possess or transport for sale, salable or dangerous fireworks at wholesale;

(2) a retailer's permit, as described in [AS 18.72](#), for each location where the applicant intends to sell, or possess or transport for sale, salable fireworks at retail;

(3) a pyrotechnic operator's permit to conduct a fireworks display or non-routine testing of dangerous fireworks, or to possess or transport fireworks for display or non-routine testing of dangerous fireworks;

(4) a fireworks event permit for each event involving public or private display of any amount of dangerous fireworks or 250 gross pounds (113.4 kg) of salable fireworks; or

(5) an annual permit for routine testing of dangerous fireworks.

(b) A license or permit under (a)(1) - (4) of this paragraph must be obtained from the state fire marshal's office. A permit under (a)(5) of this paragraph may be obtained from the state fire marshal's office or, on a form approved by the fire marshal, from the chief of fire department in the jurisdiction where the testing will occur.

(c) An application for a license or permit under (a)(1) - (4) of this paragraph must be received by the fire marshal's office 14 days before the activity is scheduled to occur. A permit under (a)(5) of this paragraph must be issued before the routine testing occurs.

(d) Applications for a license or permit must include:

(1) for a license or permit under (a)(1) or (2) of this paragraph, proof of insurance as required and in the amount set out in [AS 18.72.020](#) ; or

(2) for a permit under (a)(3) - (5), a certified copy of a policy of public liability and products liability insurance, including both accident and occurrence insurance, for not less than \$1,000,000 for bodily injury and death, and not less than \$500,000 for property damage.

(e) An application for a retailer's permit under (a)(2) of this paragraph or for a fireworks event under (a)(4) of this paragraph must include a plan and drawings, satisfactory to the state fire marshal, showing and describing the sales location or display site.

(f) An application for a pyrotechnic operator's permit under (a)(3) of this paragraph must include proof satisfactory to the state fire marshal that the applicant

(1) has passed a written examination administered by the state fire marshal; and

(2) has participated as an assistant to a licensed pyrotechnic operator in six licensed displays in this state or holds a valid pyrotechnic operator's permit or license from another state.

(g) An applicant for a fireworks event permit under (a)(4) of this paragraph or for testing under (a)(5) of this paragraph must hold a valid pyrotechnic operator's permit under (a)(3) of this paragraph.

(112) Chapter 33, Subsection 3308.2 of the *I.F.C.*, is revised by adding a new Subsection 3308.2.3 to read: "Revocation and suspension. A permit for the retail sale of salable fireworks is void if the intended place of sale or use of the permit is within a jurisdiction that, by ordinance, has prohibited the sale or use of fireworks or if the permit holder sends, transports, or delivers fireworks to a jurisdiction that by ordinance has prohibited the sale or use of fireworks.

The state fire marshal may revoke a permit or license if (1) the permittee or licensee fails to comply with a notice of violation and order to correct by the date set in the order; (2) the permittee or licensee is cited more than one time for the same violation of [AS 18.72](#) or the fire code regulations in this chapter in the same calendar year; or (3) the permittee or licensee conducts business in a way that presents an immediate threat to life or property.

If a permit or license is revoked, the permittee or licensee may file a written appeal to the state fire marshal, who will review the revocation and issue a written decision within 10 days after the appeal. The appeal must be postmarked within seven days following the date of receipt of the revocation. Once a permit or license is revoked, the permittee or licensee may not apply for or be granted a new permit or license for the sale, use, or display of fireworks for one year from the date of revocation.";

(113) Chapter 33, Subsection 3308.6 of the *I.F.C.*, is revised adding a new Subsection 3308.6.1 to read: "Mortar construction. Mortars must be constructed of heavy cardboard, paper, high density plastic pipe, or metal other than cast iron.";

(114) Chapter 33, Subsection 3308.11 of the *I.F.C.*, is revised to read: "Retail sale of salable fireworks. Retail sales of salable fireworks as described in [AS 18.72](#) must be conducted in accordance with this section.

3308.11.1 Dedicated structure or stand. Salable fireworks may be sold only from a dedicated structure or stand that has exits meeting Chapter 10 of the *I.B.C.*

Exception: Structures meeting the criteria of a Group H-1 occupancy as established by the *I.B.C.* are exempt from the requirements of Subsection 3308.11.1.

3308.11.2 Fire extinguishers. Portable fire extinguishers that meet the criteria of Subsection 906.2 must be provided.

3308.11.3 Placard. A placard setting out the language of [AS 41.15.070](#) , 41.15.140, and 41.15.160 must be prominently displayed.

3308.11.4 Sales. The sale of salable fireworks may not take place within 250 feet of a place of residence or public assembly.

3308.11.5 Class B dangerous fireworks. Class B dangerous fireworks may not be stored or offered for sale at a retail sales location.

3308.11.6 Use or discharge. Fireworks of any class may not be used or discharged within 250 feet (76.2 m) of a retail sales location.

3308.11.7 Right-of-way. Retail sales locations may not be located on a highway or utility right-of-way.

3308.11.8 Display of permit or license. The retail sales permit or license must be conspicuously displayed at the sales location.

3308.11.9 Age of employee. A person under the age of 18 years may not be employed where fireworks are sold or stored.

3308.11.10 Age of purchaser. Fireworks may not be sold to person under the age of 18 years.

3308.11.11 Prohibition. Fireworks may not be sold to a person who is or appears to be intoxicated or otherwise chemically impaired.

3308.11.12 Storage. Salable fireworks, class 1.4G (Class C common fireworks) must be stored as follows:

1. Storage at retail sites must be in a type 4 or higher rated magazine;
2. Except as provided in paragraph 3 of Subsection 3308.11.12, storage must be a minimum of 40 feet from property lines or any inhabited building. The dedicated structure or stand used for selling fireworks is excluded;
3. Storage must be a minimum of 250 feet from a place of residence or public assembly building;
4. Storage may not be located on a highway or utility right of way;
5. Storage at any site except approved retail locations must be in accordance with the requirements for low explosives in Subsection 3304.3.2.

3308.11.13 Permitted sales location. All salable fireworks must be sold from the location specified in the permit application.

3308.11.14 Suspension of sales and use. The sale or use of fireworks may be suspended by the state fire marshal in any area where the Department of Natural Resources has declared the wild fire danger to be extreme.";

(115) Chapter 34 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(116) Chapter 34, Subsection 3403.5.1, second sentence of the *I.F.C.*, is revised to read: "Signs warning of the hazard of flammable liquids shall have either white lettering on a red background or red lettering on a white background, and shall read: DANGER-FLAMMABLE LIQUIDS.";

(117) Chapter 34, Subsection 3406.3 of the *I.F.C.*, is revised by adding a second sentence to read: "This Section does not apply to offshore oil platforms.";

(118) Chapter 35, Subsection 3501.1 of the *I.F.C.*, is revised by deleting the reference "*International Fuel Gas Code*" and replacing it with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(119) Chapter 35, Section 3501 of the *I.F.C.*, is revised by adding a new Subsection 3501.3 to read: "3501.3 Plan review. Where a single container is over 500-gallon (1892.7 L) water capacity or the aggregate capacity of containers is over 500-gallon(1892.7 L) water capacity, the installer shall submit plans for review before installation in accordance with 13 AAC [50.027](#).";

(120) Chapter 36 of the *I.F.C.*, is revised by deleting the references "*ICC Electrical Code*" and replacing them with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(121) Chapter 37, Subsection 3704.2.2.8 of the *I.F.C.*, is revised by deleting the reference "*ICC Electrical Code*" and replacing it with "Electrical Code as adopted by 8 AAC [70.025](#), as amended as of September 25, 2002 and as amended from time to time";

(122) Chapter 38 of the *I.F.C.* is revised by deleting the references "*International Fuel Gas Code*" and replacing them with "Plumbing Code as adopted by 8 AAC [63.010](#), as amended as of December 6, 2003 and as amended from time to time";

(123) Chapter 45, of the *I.F.C.*, is revised by changing the referenced standards from the publication date listed to the following edition, and the standards are adopted by reference:

N.F.P.A. 10-2002 *Portable Fire Extinguishers*

N.F.P.A. 13-2002 *Installation of Sprinkler Systems*;

N.F.P.A. 13D-2002 *Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*;

N.F.P.A. 13R-2002 *Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height*;

N.F.P.A. 14-2003 *Standpipe and Hose System*;

N.F.P.A. 72-2002 *National Fire Alarm Code*;

N.F.P.A. 750-2003 *Standard on Water Mist Fire Protection Systems*;

(124) Appendix B, Section B103.3 of the *I.F.C.*, is revised by deleting the reference "N.F.P.A. 1231" and replacing it with "N.F.P.A. 1142 (2001 Edition) and adopted by reference".

☒ **History:** Eff. 1/14/81, Register 77; am 8/2/86, Register 99; am 10/28/90, Register 116; am 6/10/93, Register 126; am 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171

☒ **Authority:** [AS 18.70.080](#)

**Editor's note:** (1) Explosive storage and handling, as they relate to employee health and safety, are regulated by the Department of Labor and Workforce Development, division of labor standards and safety, Alaska Occupational Safety and Health Administration Standards, Explosives Code (8 AAC [61.010](#)).

(2) Copies of the *N.F.P.A. Standards* may be obtained from the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169-7471 or at [www.nfpa.org](http://www.nfpa.org).

(3) Copies of the *International Fire Code* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298; phone: (800) 284-4406; (562) 699-0124 or at [www.iccsafe.org](http://www.iccsafe.org).

(4) Copies of the *International Building Code* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298; and phone: (800) 284-4406; (562) 699-0541 or at [www.iccsafe.org](http://www.iccsafe.org).

As of Register 151 (October 1999), the regulations attorney made technical revisions under [AS 44.62.125](#) (b)(6) to reflect the name change of the Department of Labor to the Department of Labor and Workforce Development made by Ch. 58, SLA 1999 and the corresponding title change of the commissioner of labor.

☒ **13 AAC 50.027. Non-structural plan review and approval; stop orders**

✚ (a) Before beginning the construction, alteration, repair, or changing the occupancy of a building, a substantial land structure, or structure regulated by the state fire marshal, plans and specifications regarding that building's or structure's location on the property, area, height, number of stories, occupancy, type of construction, fire-resistive construction, interior finish, exit facilities, electrical systems, mechanical systems, fuel storage tanks and their appurtenances, automatic fire-extinguishing systems, and fire alarm systems must be submitted by the owner or the owner's representative to the state fire marshal for examination and approval. This review does not address structural considerations, mechanical or electrical review beyond that necessary to confirm compliance with fire or life safety requirements, or the requirements of 42 U.S.C. 12101 - 12213 (Americans With Disabilities Act of 1990). A copy of the approval must be posted as required in 13 AAC [55.100](#).

(b) It is prohibited to occupy a building for which plans have not been examined and approved if the construction, alteration, repair, or change in occupancy began on or after 10/28/90. The state fire marshal will, in the marshal's discretion, post a building constructed without a plan review, as set out in 13 AAC [50.070\(b\)](#) .

(c) The following procedures apply to a plan review:

(1) upon application for a plan review, a plan review fee must be paid to the state fire marshal; the plan review fee is established by *I.B.C.*, Subsection, 108 adopted by reference in 13 AAC [50.020](#); the value of the proposed construction will be determined by the state fire marshal using the valuation schedule, the plan review fee table and the plan review fee formula set out in (6), (7) and (8) of this subsection; renovation, alterations, and mechanical changes and fuel system installation and replacement valuation is determined by the project cost; the fee schedule will then be applied to the calculated fee; if the state fire marshal cannot determine project value using the valuation schedule or the construction estimate, an hourly fee of \$50 per hour or fraction of an hour will be charged; the minimum review fee for industrial use facilities is \$500; the minimum fee for other uses is \$100;

(2) if plans are revised to an extent that requires a new plan review, the charge will be the same as for new plans;

(3) if the state fire marshal determines that it is advisable because of the complexity of plans submitted, the marshal will submit the plans to the International Code Council (I.C.C.) for plan review by that agency; the person submitting the plans to the state fire marshal is responsible for the fee of the I.C.C.;

(4) the charge for a plan review for plans submitted for identical structures within the same subdivision or planned unit development is the full fee for one original set, and 60 percent of the full plan review fee for each additional set of plans of the same identical structure; each identical structure shall be issued a separate approval permit;

(5) If any work for which a plan review and approval is required by this subsection has been started without first obtaining plan review and approval, a special processing plan review fee will be charged; the special processing plan review fee is \$100 for a first violation; the special processing plan review fee for a subsequent violation by the same person is an additional charge equal to the amount of the standard plan review fee for the project;

(6) the state fire marshal shall determine value of the proposed construction using the Valuation Schedule set out in this paragraph, as follows:

(1) APARTMENT HOUSES:

Type IA or B\* \$106.44

(Good) 131.04

Type V-Masonry

(or type III) 86.88

(Good) 106.44

Type V-Wood Frame 76.56

(Good ) 98.40

Type I-Basement Garage 44.88

(2) AUDITORIUMS:

Type IA or B 125.76

Type IIA 91.08

Type IIB 86.16

Type IIIA 95.76

Type IIIB 90.84

Type VA 91.56

Type VB 85.44

(3) BANKS:

Type IA or B\* 177.72

Type IIA 130.90

Type IIB 126.72

Type IIIA 144.48

Type IIIB 139.32

Type VA 130.92

Type VB 125.40

(4) BOWLING ALLEYS:

Type IIA 61.20

Type IIB 57.12

Type IIIA 66.60

Type IIIB 62.28

Type VA 44.88

(5) CHURCHES:

Type IA or B 119.04

Type IIA 89.40

Type IIB 84.96

Type IIIA 97.20

Type IIIB 92.88

Type VA 90.84

Type VB 85.44

(6) CONVALESCENT HOSPITALS:

Type IA or B\* 167.04

Type IIA 115.92

Type IIIA 118.80

Type VA 111.96

(7) DWELLINGS:

Type V-Masonry 90.84

(Good) 116.28

Type V-Wood Frame 80.76

(Good) 110.88

Basements

Semi-Finished 24.12

(Good) 27.84

Unfinished 17.52

(Good) 21.24

(8) FIRE STATIONS:

Type IA or B 137.28

Type IIA 90.36

Type IIB 85.20

Type IIIA 98.88

Type IIIB 94.68

Type VA 92.76

Type VB 87.96

(9) HOMES FOR THE ELDERLY:

Type IA or B 124.44

Type IIA 101.04

Type IIB 96.72

Type IIIA 105.24

Type IIIB 100.92

Type VA 101.64

Type VB 98.16

(10) HOSPITALS:

Type IA or B\* 195.84

Type IIIA 162.12

Type VA 154.68

(11) HOTELS AND MOTELS:

Type IA or B\* 121.20

Type IIIA 105.00

Type IIIB 100.08

Type VA 91.44

Type VB 89.64

(12) INDUSTRIAL USE FACILITIES:

Type IA or B 68.28  
Type IIA 47.52  
Type IIB 43.68  
Type IIIA 52.32  
Type IIIB 49.32  
Tilt-up 36.00  
Type VA 49.32  
Type VB 45.12  
Minimum Review Fee 500.00

(13) JAILS:

Type IA or B 190.92  
Type IIIA 174.60  
Type VA 130.92

(14) LIBRARIES:

Type IA or B 139.68  
Type IIA 102.24  
Type IIB 97.20  
Type IIIA 108.00  
Type IIIB 102.60  
Type VA 101.40  
Type VB 97.20

(15) MEDICAL OFFICES:

Type IA or B\* 143.40  
Type IIA 110.64  
Type IIB 105.12  
Type IIIA 120.00  
Type IIIB 111.72  
Type VA 108.24  
Type VB 104.40

(16) OFFICES\*\*:

Type IA or B\* 128.16  
Type IIA 85.80  
Type IIB 81.72  
Type IIIA 92.64  
Type IIIB 88.56  
Type VA 86.76  
Type VB 81.72

(17) PRIVATE GARAGES:

Wood Frame 29.16  
Masonry 32.88  
Open Carports 19.92

(18) PUBLIC BUILDINGS:

Type IA or B\* 148.08  
Type IIA 120.00  
Type IIB 114.72

Type IIIA 124.56

Type IIIB 120.24

Type VA 114.00

Type VB 109.92

(19) PUBLIC GARAGES:

Type IA or B\* 58.68

Type IA or B Open Parking\* 44.04

Type IIB 33.60

Type IIIA 44.40

Type IIIB 39.48

Type VA 40.44

(20) RESTAURANTS:

Type IIIA 116.88

Type IIIB 112.92

Type VA 107.04

Type VB 102.84

(21) SCHOOLS:

Type IA or B 133.44

Type IIA 91.08

Type IIIA 97.44

Type IIIB 93.72

Type VA 91.32

Type VB 87.12

(22) SERVICE STATIONS:

Type IIB 80.64

Type IIIA 84.12

Type VA 71.64

Canopies 33.60

(23) STORES:

Type IA or B\* 98.88

Type IIA 60.48

Type IIB 59.16

Type IIIA 73.56

Type IIIB 69.00

Type VA 61.92

Type VB 57.24

(24) THEATERS:

Type IA or B 131.76

Type IIIA 96.00

Type IIIB 91.44

Type VA 90.36

Type VB 85.44

(25) WAREHOUSES\*\*\*:

Type IA or B 59.28

Type IIA or VA 29.30

Type IIB or VB 27.50

Type IIIA 33.20  
Type IIIB 31.60  
(26) EQUIPMENT:  
AIR CONDITIONING:  
Commercial 4.20  
Residential 3.50  
SPRINKLER SYSTEMS 2.60

Footnotes:

- \* Add 0.5 percent to total cost for each story over three.
- \*\* Deduct 20 percent for shell-only building.
- \*\*\* Deduct 11 percent for mini-warehouses.

Notwithstanding 13 AAC [55.030\(c\)](#) , the chief of a fire department registered under [AS 29.60.130](#) , or the chief of a fire department or a building official of a municipality recognized under 13 AAC [52.030](#), may use the valuation schedule in this paragraph for value determination, or may use another valuation schedule approved by the local jurisdiction.

(7) The state fire marshal shall use the following for calculating fees for plan review.

#### Total Valuation Fee

\$1.00 to \$25,000.00 \$100.00 for the first \$8,000.00  
plus \$16.00 for each additional  
\$1,000.00, or fraction of  
\$1,000.00.

\$25,000.01 to \$50,000.00 \$430.25 for the first \$25,000.00  
plus \$11.10 for each additional  
\$1,000.00, or fraction of  
\$1,000.00.

\$50,000.01 to \$100,000.00 \$780.05 for the first \$50,000.00  
plus \$8.00 for each additional  
\$1,000.00, or fraction of  
\$1,000.00.

\$100,000.01 to \$500,000.00 \$1,093.05 for the first  
\$100,000.00  
plus \$6.60 for each additional  
\$1,000.00, or fraction of  
\$1,000.00.

\$500,000.01 to \$1,000,000.00 \$3,556.75 for the first  
\$500,000.00  
plus \$5.75 for each additional  
\$1,000.00, or fraction of  
\$1,000.00.

Over \$1,000,000.00 \$6,168.75 for the first  
\$1,000,000.00 plus \$4.15 for each  
additional \$1,000.00, or  
fraction of \$1,000.00.

The chief of a fire department registered under [AS 29.60.130](#) , or the chief of a fire department or a building official of a municipality recognized under 13 AAC [52.030](#) may use the plan review fee table in this paragraph for fee determination or, notwithstanding 13 AAC [55.030\(c\)](#) , may use another fee table approved by the local jurisdiction.

(8) Plan review fees shall be determined using the following formula:

(A) for valuation, project floor area in square feet multiplied by the cost per square foot from valuation schedule set out in (6) of this subsection plus the cost per square foot for sprinklers from valuation schedule set out in (6) of this subsection equal the project total valuation;

(B) for fee, basic fee from plan review fee table set out in (7) of this subsection plus the additional fee per 1,000.00 valuation over basic fee from plan review fee table multiplied by .65 equal the plan review fee.

(d) If work is being done contrary to the provisions of this section, the state fire marshal may order the work stopped by notice in writing served on any persons engaged in or causing the work to be done. The persons doing the work shall immediately stop the work until authorized by the state fire marshal to proceed.

⊕ **History:** Eff. 6/15/79, Register 71; am 8/2/86, Register 99; am 10/28/90, Register 116; am 6/10/93, Register 126; am 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171

⊕ **Authority:** [AS 18.70.080](#)

[AS 18.70.090](#)

### **13 AAC 50.030. Fire protection systems (installed and portable)**

⊕ (a) Fire extinguishing systems, fire detections systems, fire alarm systems, portable and manual fire control equipment and automatic fire extinguishing systems, and other

installed fire appliances must be installed and maintained as required by 13 AAC [50.020](#), 13 AAC [50.025](#), and this section.

(b) Repealed 6/10/93.

(c) Single-station smoke detection devices as required by [AS 18.70.095](#) must meet the requirements of *N.F.P.A.* Standard 72-2002, and adopted by reference and, at a minimum, must be installed in accordance with *I.B.C.* Section 907.2.10 and the standards of this subsection. Smoke detectors may be solely battery operated when installed in existing buildings built before 1/1/89; or in buildings without commercial power. The following are additional installation standards:

(1) detectors must be installed, maintained, and tested in accordance with the manufacturer's recommendations;

(2) approved detectors are those that are listed and approved by Underwriters' Laboratories, Inc., Factory Mutual, Inc., and other laboratories recognized by the State Fire Marshal of this state.

(d) An automatic fire detection system required by [AS 18.70.082](#) must, as a minimum, be installed to meet the requirements of *I.F.C.* Section 907.

(e) Repealed 6/10/93.

(f) Repealed 6/10/93.

(g) Repealed 6/10/93.

(h) A person may not inspect, recharge, maintain, or hydrostatic test portable fire extinguishers unless a permit from the state fire marshal has been issued. The following apply to permits under this subsection:

(1) each applicant for a fire extinguisher permit must pass a written examination given by the state fire marshal in order to qualify for a permit;

(2) a permit endorsed with the type of qualification will be issued to each qualified person;

(3) a permit issued under this subsection is presumed to contain the requirement that the applicant carry out the permitted activity in compliance with all the requirements of state statutes and this chapter; a permit is nontransferable; a permit is valid for three years after the date of issue; an infraction of this chapter or prescribed manuals may be cause for revocation of the permit;

(4) permits are classified and defined as follows:

- (A) Class I - inspection and non-invasive maintenance of portable fire extinguishers;
  - (B) Class II - inspect, recharge, distribute, and maintain portable fire extinguishers;
  - (C) Class III - inspect, recharge, distribute, maintain, and hydrostatic test extinguishers;
- (5) a permit holder shall place or cause to be placed the holder's permit number on the inspection tag of a portable fire extinguisher to identify the work performed under the permit.
- (i) Repealed 6/10/93.
  - (j) Repealed 6/10/93.
  - (k) Repealed 8/31/96.
  - (l) Repealed 8/31/96.
  - (m) Repealed 6/10/93.
  - (n) Repealed 6/10/93.

☒ **History:** Eff. 6/25/69, Register 30; am 2/21/71, Register 37; am 1/14/81, Register 77; am 8/2/86, Register 99; am 10/28/90, Register 116; am 6/10/93, Register 126; am 8/31/96, Register 139; am 9/15/2001, Register 159; am 8/27/2004, Register 171

☒ **Authority:** [AS 18.70.010](#)

[AS 18.70.080](#)

[AS 18.70.085](#)

[AS 18.70.095](#)

**Editor's note:** (1) Copies of the *N.F.P.A. Standards* may be obtained from the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169-7471 or at [www.nfpa.org](http://www.nfpa.org).

(2) Copies of the *International Fire Code* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298; phone: (800) 284-4406 or (562) 699-0541 or at [www.iccsafe.org](http://www.iccsafe.org).

(3) Copies of the *International Building Code* may be obtained from the International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298; phone: (800) 284-4406 or (562) 699-0541 or at [www.iccsafe.org](http://www.iccsafe.org).

### **13 AAC 50.035. Permit required**

⊕ (a) A company designing, installing, testing, or maintaining fire alarm signaling systems, or automatic fire suppression systems must employ sufficient personnel who hold valid permits in the appropriate classifications under this section to provide direct oversight and supervision of work being performed on the fire systems. A professional mechanical or electrical engineer registered under [AS 08.48](#) who has relevant system design experience and the company that employs that engineer are exempt from the permit requirements of this section for system design. Notwithstanding the requirements of this subsection, owner maintenance may be performed without a permit; and fire alarm systems may be installed under the direction of an electrical administrator licensed under [AS 08.40](#) without a permit required by this section provided that the final acceptance test and certification of the system is conducted by a qualified person who holds a valid permit under (g)(2) or (g)(3) of this section.

(b) Repealed 8/31/96.

(c) A company that engages in the design, installation, or maintenance of a system shall record its work by annotating plans, test certificates, inspection reports, and system inspection tags with the permit holder's permit number, or professional engineer's registration number or seal.

(d) A permit issued under this section expires two years from date of issuance. The authority of a permit holder to design, install, or maintain a system under a permit ceases immediately upon expiration of the permit. A permit may be renewed upon application to the state fire marshal on forms provided by the marshal.

(e) A company must employ at least one permit holder who holds a permit in the classifications specified in (f) of this section that cover the work the company wishes to perform. A company may only perform work within the scope of the permits held by its employees, except that system design drawings may be prepared for that company by another company or individual who has the necessary permits. If a permit holder terminates employment with the company, the company shall immediately stop all activities within the scope of work authorized by the permits held by that individual except that a company may complete work designed by a permit holder following the permit holder's termination of employment with the company if the design plans for that work have been prepared and approved under 13 AAC [50.027](#) before the date of termination.

(f) A permit holder may, within the scope of the permit holder's permit classification as defined in (g) of this section, perform or supervise the preparation of technical drawings, and the installation, inspection, or maintenance of fire alarm signaling systems, fire suppression systems, or any part of a system.

(g) The state fire marshal will issue permits under this section according to the following classifications:

(1) Class I-A: limited to the maintenance and testing of fire alarm signaling systems and related devices;

(2) Class I-B: limited to the installation, maintenance, and testing of fire alarm signaling systems and related devices;

(3) Class I-C: limited to the design, installation, maintenance, and testing of fire alarm signaling systems and related devices;

(4) Class II-A: limited to the maintenance and testing of fire sprinkler and standpipe systems beginning at the point the water supply is used exclusively for the fire suppression system;

(5) Class II-B: limited to the installation, maintenance, and testing of water fire sprinkler and standpipe systems beginning at the point the water supply is used exclusively for the fire suppression system;

(6) Class II-C: limited to the design, installation, maintenance, and testing of water fire sprinkler and standpipe systems beginning at the point the water supply is used exclusively for the fire suppression system;

(7) Class III-A: limited to the maintenance and testing of special hazard systems;

(8) Class III-B: limited to the installation, maintenance, and testing of special hazard systems;

(9) Class III-C: limited to the design, installation, maintenance, and testing of special hazard systems; and

(10) Class IV: limited to the installation, maintenance, and testing of pre-engineered dry and wet chemical fire suppression systems.

(h) To qualify for a permit under this section, an applicant

(1) shall submit an application to the state fire marshal on a form provided by the marshal;

(2) must be 18 years of age or older; and

(3) at the time of application, must meet the following minimum requirements for the class of permit for which the applicant has applied:

(A) Class I-A: have not less than two years cumulative experience in the fire alarm signaling system business and have passed the examination for NICET II certification elements in fire alarm systems or the equivalent;

(B) Class I-B: have not less than two years cumulative experience in the fire alarm signaling systems business, be employed in a position of supervisory responsibility for the installation, maintenance, and testing of fire alarm signaling systems, and have passed the examination for NICET II certification elements in fire alarm systems or the equivalent;

(C) Class I-C: have not less than five years cumulative experience in the fire alarm signaling systems business, be employed in a position of supervisory responsibility for the preparation of technical documents and the installation, maintenance, and testing of fire alarm signaling systems, and have passed the examination for NICET III certification elements in fire alarm systems or the equivalent;

(D) Class II-A: have not less than two years cumulative experience in the water based fire suppression system business and have passed the examination for NICET II certification elements in automatic sprinkler systems or the equivalent;

(E) Class II-B: have not less than two years cumulative experience in the water based fire suppression system business, be employed in a position of supervisory responsibility for the installation, maintenance, and testing of water based fire suppression systems, and have passed the examination for NICET II certification elements in automatic sprinkler systems or the equivalent;

(F) Class II-C: have not less than five years cumulative experience in the water based fire suppression system business, be employed in a position of supervisory responsibility for the preparation of technical documents and the maintenance and testing of water based fire suppression systems, and have passed the examination for NICET III certification elements in automatic sprinkler systems or the equivalent;

(G) Class III-A: have not less than two years cumulative experience in the special hazard systems business and have passed the examination for NICET II certification elements in special hazard systems or the equivalent;

(H) Class III-B: have not less than two years cumulative experience in the special hazard systems business, be employed in a position of supervisory responsibility for the installation, maintenance, and testing of special hazard systems, and have passed the examination for NICET II certification elements in special hazard systems or the equivalent;

(I) Class III-C: have not less than five years cumulative experience in the special hazard systems business, be employed in a position of supervisory responsibility for the preparation of technical documents and the maintenance and testing of special hazard systems and have passed the examination for NICET III certification elements in special hazard systems or the equivalent;

(J) Class IV:

(i) have not less than two years cumulative experience in the kitchen fire suppression system maintenance business;

(ii) have passed the examination for NICET special hazard elements 21109, 22102, 22103, 23104, 23106, 23107, and 23115 or the equivalent;

(iii) possess at least one manufacturers training certificate; and

(iv) possess the specific system manuals for the systems to be serviced.

(i) An individual may continue to perform work within the scope of this section without a permit if that individual can document performing work within the scope of a permit that is requested before 6/10/93. In these situations, the state fire marshal will issue a temporary work card upon verification of a completed application and work history. The state fire marshal will, in the marshal's discretion, grant a single extension of six months to allow an applicant to comply with the permit requirements of this section. Unless an extension has been granted, on or before 8/31/99 an individual performing work within the scope of this section must be in full compliance with the requirements of this section. Notwithstanding the requirements of this subsection an individual applying for a Class II-B or III-B permit must only document performing work within the scope of these permits as of 8/31/96 to receive a temporary work card.

(j) If a company or individual is involved in the installation, maintenance, or design of a fire suppression system or fire alarm signaling system and does not possess a required permit, the state fire marshal will, in the marshal's discretion, order work stopped by service of an order in writing in accordance with 13 AAC [50.070](#).

(k) The state fire marshal will provide written notice to a permit holder at least 10 days before an action to revoke or suspend a permit. The fire marshal will, in the marshal's discretion, revoke or suspend a permit

(1) if a permit holder has materially misrepresented that individual's qualifications in obtaining or renewing the permit or is subject to revocation under 13 AAC [55.100\(c\)](#) ;

(2) if a permit holder is found, after an administrative investigation, to be negligent, incompetent, or to have committed substantial misconduct in the preparation of technical drawings, or the installation or maintenance of a system;

(3) based upon documented repetitious violations of 13 AAC [50](#) - 13 AAC [55](#) by a permit holder;

(4) other good cause found by the state fire marshal.

(l) An order of suspension must state the length of the suspension. The period of suspension may not be less than 30 days and may not exceed one year from the date of the order.

(m) An order of revocation must state the length of the revocation. The period of revocation may not be less than one year and may not exceed two years.

(n) Unless the context indicates otherwise, in this section,

(1) "company" means any individual, partnership, firm, group, organization, corporation, or any other entity that performs or represents itself as qualified to perform any of the following functions related to a fire alarm signaling system or fire suppression system, or any portion of a system:

(A) preparation of technical design documents;

(B) installation, either in whole or in part;

(C) maintenance; or

(D) inspection.

(2) "design" means the preparation of detailed drawings of a fire alarm signaling system or fire suppression system and the calculations and specifications for those systems completed in accordance with the requirements of 13 AAC [50](#) - 13 AAC [55](#);

(3) "direct oversight and supervision" means that a company must have sufficient personnel with appropriate permits to inspect and certify that work being performed on systems is in substantial compliance with applicable laws, product listings, and manufacturer's installation instructions;

(4) "equivalent" means 20 years of relevant experience in the design, installation, or maintenance of systems or such other combination or documented training, experience, or certification, that the marshal determines is substantially equivalent to the requirements of (h) of this section;

(5) "fire alarm signaling system" means any signaling system that is either automatically or manually activated to notify persons on or off the property of a fire condition;

(6) "fire suppression system" means a system that is either automatic or manual and designed to protect a process, building, or structure from fire; "fire suppression system" includes piping, fire mains, standpipes, and thermal systems connected to the system;

(7) "installation" means the initial placement of equipment or the extension, modification, or alteration of a system after the initial placement;

(8) "maintenance" means to repair, service, or replace a system or a system component when, for any reason, it becomes undependable or inoperative; "maintenance" includes periodically recurrent inspections and tests required to keep a system and its component parts in an operative condition at all times;

(9) "NICET" means the National Institute for Certification in Engineering Technologies;

(10) "owner maintenance" means basic maintenance performed by an owner or the owner's representative who is capable of performing maintenance in accordance with the law and nationally recognized standards of good practice; owner maintenance includes the following nontechnical repairs:

(A) replacing sprinkler heads;

(B) resetting valves;

(C) replacing damaged or missing pipe hangers;

(D) replacing batteries;

(E) replacing indicator lamps;

(F) tightening electrical connections; or

(G) replacing damaged or inoperative detection or audible devices;

(11) "permit" means the document issued under this section by the state fire marshal to an individual as verification of that individual's qualifications to design, install, and maintain fire protection systems in accordance with this section;

(12) "permit holder" means an individual who has been issued a permit under this section by the state fire marshal;

(13) "special hazard system" means a system that uses gases, chemicals, or foam as the fire suppression agent and includes Halon systems, CO<sub>2</sub> systems, wet chemical systems, dry chemical systems, AFFF systems, and protein foam systems;

(14) "system" means a fire alarm signaling system or fire suppression system;

(15) "water based fire suppression system" means a system that uses water as the suppression agent; "water based fire suppression system" includes automatic fire sprinkler systems and standpipe systems.

☒ **History:** Eff. 6/10/93, Register 126; am 8/31/96, Register 139

☒ **Authority:** [AS 18.70.010](#)

[AS 18.70.080](#)

[AS 18.70.090](#)

**Editor's note:** Copies of NICET publications are available from the National Institute for Certification in Engineering Technologies, 1420 King Street, Alexandria, Virginia 22314.

### **13 AAC 50.040. Hazardous substances**

☒ Repealed 1/14/81.

### **13 AAC 50.050. Hazardous processes**

☒ Repealed 1/14/81.

### **13 AAC 50.060. Occupancy standards**

☒ (a) Fire-retardant paints or solutions, and thermal barriers, if required in an occupancy, must be renewed or repaired as often as necessary to maintain the required flame-retardant properties.

(b) Repealed 6/10/93.

(c) Repealed 6/10/93.

(d) Repealed 6/10/93.

(e) Wastebaskets and other waste containers in institutional occupancies must be of noncombustible material or approved for intended use by Underwriters Laboratories, Inc., Factory Mutual Laboratories, or other testing laboratories approved by the state fire marshal.

(f) Repealed 8/2/86.

(g) No person, as defined in [AS 01.10.060](#) , may install, sell, or offer for sale any fire-retardant paints or solutions, foam plastics, thermal barriers, or similar building products, purported to be fire resistant or for fire protective purposes unless the products have been approved by a testing laboratory recognized by the state fire marshal.

(h) In occupancies where the personal liberties of inmates are restrained, mattresses must be resistant to cigarette ignition and have a char length not exceeding two inches (5.1 cm) when tested in accordance with 16 C.F.R. 1632, in effect as of 5/5/93.

(i) In occupancies where the personal liberties of inmates are restrained, upholstered furniture must be resistant to cigarette ignition. The components of upholstered furniture shall meet the requirements for flame resistance Class I when tested in accordance with *N.F.P.A.* Standard 260, Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture. Mock-up composites of the upholstered furniture shall have a char length not exceeding 1.5 inches (3.8 cm) when tested in accordance with *N.F.P.A.* Standard 261, Standard Method of Test

for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes.

☒ **History:** In effect before 7/28/59; am 6/25/69, Register 30; am 2/21/71, Register 37; am 1/14/81, Register 77; am 8/2/86, Register 99; am 10/28/90, Register 116; am 6/10/93, Register 126; am 8/27/2004, Register 171

☒ **Authority:** [AS 18.70.010](#)

[AS 18.70.080](#)

**Editor's note:** Copies of *N.F.P.A. Standards* may be obtained from the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169-7471 and at [www.nfpa.org](http://www.nfpa.org).

### **13 AAC 50.070. Inspections, orders, and appeals**

☒ (a) If an officer of the state fire marshal's office finds a building or premises in which the following dangerous conditions or materials exist, the officer shall order the conditions or materials to be remedied or removed as directed by the state fire marshal:

- (1) dangerous amounts of combustible, explosive, or otherwise hazardous materials;
- (2) hazardous conditions arising from defective or improperly installed equipment for handling or using combustible, flammable, explosive, or otherwise hazardous materials;
- (3) dangerous accumulations of decorations, rubbish, wastepaper, boxes, shavings, or combustible or flammable liquids or materials;
- (4) accumulations of dust or waste materials in air conditioning or ventilating systems or of grease in kitchen or other exhaust ducts;
- (5) obstructions to or on fire escapes, stairs, passageways, doors, or windows, which will interfere with operations of the fire department or egress of occupants in case of fire or explosion;
- (6) ineffective fire assembly, exit door, attic separation, area separation, fire separation, or occupancy separation;
- (7) a chimney, smokestack, stove, oven, incinerator, furnace or other heating device, or electric fixture found to be defective or unsafe so as to create a fire danger;
- (8) a building or structure which because of a lack of repairs, adequate exit facilities, automatic or other fire-alarm apparatus or fire-extinguishing equipment, or any other cause including age, is hazardous; or

(9) any other condition that violates this chapter, and which the state fire marshal finds is hazardous.

(b) If an order is issued to eliminate a dangerous or hazardous condition described in (a) of this section and the condition is not corrected within the time specified in the order, the state fire marshal will, in the marshal's discretion, post at the entrance to the building or premises a notice to read "DO NOT ENTER, UNSAFE TO OCCUPY. DEPARTMENT OF PUBLIC SAFETY, DIVISION OF FIRE PREVENTION." The notice must remain posted until the required repair, demolition or removal is completed, and may not be removed without written permission of the state fire marshal. No person may enter a posted building unless the person does so to make required repairs or to demolish or remove the hazardous condition.

(c) The service of an order for the correction of a violation of (a) of this section must be made upon the owner, occupant, or other persons responsible for the condition by

(1) delivering a copy to the person responsible for the condition or to the person in charge of the premises;

(2) affixing a copy in a conspicuous place on the door to the entrance of the premises; or

(3) mailing a copy of the report to the responsible person by certified mail at his or her last known address.

(d) If a building or other premises is owned by one person and occupied by another under lease or similar agreement, orders issued under (a) of this section apply to the occupant unless the rule or order requires additions to or changes in the premises which would become the real property of the owner of the premises. In which case, the rule or order must be sent to the owner.

(e) If an order is made by the state fire marshal or the marshal's authorized representative, the owner or occupant may, within seven days after receiving the order, file a written appeal to the state fire marshal who will, within 10 days after receiving the appeal, review the order, and issue a written decision. The appeal must be postmarked within seven days following the date of receipt of the order. The order must be complied with within the time specified in the order unless the state fire marshal revokes the order. The state fire marshal's decision on an appeal under this subsection is a final order of the Department of Public Safety for purposes of [AS 18.70.100](#) .

(f) No person may make a false statement with the intent to mislead the state fire marshal in connection with the marshal's official duties, including in response to orders of the Department of Public Safety to alter, repair, change, or correct a violation or deficiency.

☞ **History:** In effect before 7/28/59; am 6/25/69, Register 30; am 2/21/71, Register 37; am 1/14/81, Register 77; am 8/2/86, Register 99; am 10/28/90, Register 116; am 8/31/96, Register 139



⊕ **Authority:** [AS 18.70.070](#)



[AS 18.70.080](#)

[AS 18.70.090](#)