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**OFFICE OF THE LIEUTENANT GOVERNOR  
ALASKA**

**M E M O R A N D U M**

**TO:** Kelly Howell  
Department of Public Safety

**FROM:** April Simpson, Office of the Lieutenant Governor 465.4081 

**DATE:** September 28, 2022

**RE:** Filed Permanent Regulations: Department of Public Safety

Department of Public Safety regulations re: Division of Fire and Life Safety - Fees, Stop Work Orders, Fire Protection System and Firework Permits, and Standards for Fire Departments, Oil and Gas Hydrocarbon Processing Facilities, and Building, Fire, Mechanical, and Fuel Gas Code (13 AAC 52)

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Attorney General File:	2021200447
Regulation Filed:	9/28/2022
Effective Date:	10/28/2022
Print:	244, January 2023

cc with enclosures: Colleen Bailey, Department of Law  
Judy Herndon, LexisNexis

ORDER ADOPTING CHANGES TO REGULATIONS  
OF DEPARTMENT OF PUBLIC SAFETY

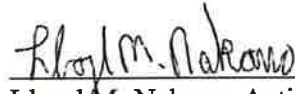
The attached 114 pages of regulations, dealing with building code standards, existing building code standards, fire code standards, mechanical code standards, fuel gas code standards, non-structural plan review occupancy valuation schedule, fire protection system permits, fireworks permits, deferring to local authorities, fire records, and standards of organization and service of a fire department are adopted and certified to be a correct copy of the regulation changes that the Department of Public Safety adopts under the authority of AS 18.70.080 and after compliance with the Administrative Procedure Act (AS 44.62), specifically including notice under AS 44.62.190 and 44.62.200 and opportunity for public comment under AS 44.62.210.

This action is not expected to require an increased appropriation.

In considering public comments, the Department of Public Safety paid special attention to the cost to private persons of the regulatory action being taken.

The regulation changes adopted under this order take effect on the 30th day after they have been filed by the lieutenant governor, as provided in AS 44.62.180.

Date: September 15, 2022


  
Lloyd M. Nakano, Acting Division Director



FILING CERTIFICATION

I, Kevin G. Meyer, Lieutenant Governor for the State of Alaska, certify that on

September 28, 2022, at 9:31 a.m., I filed the attached regulations according to the provisions of AS 44.62.040 - 44.62.120.

  
for Kevin G. Meyer, Lieutenant Governor

Effective: October 28, 2022

Register: 244, January 2023.

**FOR DELEGATION OF THE LIEUTENANT GOVERNOR'S AUTHORITY**

**I, KEVIN MEYER, LIEUTENANT GOVERNOR OF THE STATE OF ALASKA,  
designate the following state employees to perform the Administrative Procedures Act  
filing functions of the Office of the Lieutenant Governor:**

**Josh Applebee, Chief of Staff  
Kady Levale, Notary Administrator  
April Simpson, Regulations and Initiatives Specialist**

**IN TESTIMONY WHEREOF, I have  
signed and affixed the Seal of the State of  
Alaska, in Juneau, on December 11th,  
2018.**



*K-Meyer*  
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**KEVIN MEYER  
LIEUTENANT GOVERNOR**

Register 244, January 2023

PUBLIC SAFETY

13 AAC 50.010 is amended to read:

**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 2021 [2012] Edition (IBC)*. (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; am 9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244 )

**Authority:** AS 18.70.080

**Editor's note:** Copies of the *International Building Code 2021 [2012], Edition (IBC)* may be obtained from the International Code Council Inc., 900 Montclair Rd, Birmingham, Alabama 35213; telephone: (888) 422-7233; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

13 AAC 50.020 is amended to read:

**13 AAC 50.020. International Building Code.** The *International Building Code 2021 [2012] Edition (IBC)*, Chapters 1 - 12, 14 - 28, and 30 - 35, and Appendix C are adopted by reference to regulate all occupancies and buildings, except that the *IBC* is revised by deleting all the references to "*ICC Electrical Code*" or "*NFPA 70*" and replacing those references with "Electrical Code as adopted by 8 AAC 70.025, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time" and the *IBC* is revised by deleting all the references to "*International Fuel Gas Code*", with the exception of **Chapter 3 Section 304 and** Chapters 6 and 7, deleting all the references to "*International Plumbing Code*", and replacing the references

to "*International Fuel Gas Code*" and "*International Plumbing Code*" with "Plumbing Code as adopted by 8 AAC 63.010, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time". Additionally, the *IBC* is changed with the following revisions:

(1) Chapter 1 of the *IBC* is revised by deleting Sections **104.4.4** [101.4], 101.4.6, 103, 104.4, 104.6, 104.8, 105.4, **106**, 107.5, 109.2, 109.4, 109.5, and 110 - 115; and is revised by deleting the references to the ["*INTERNATIONAL EXISTING BUILDING CODE (IEBC)*"], "*International Energy Conservation Code (IECC)*", "*International Property Maintenance Code (IPMC)*", "*International Private Sewage Disposal Code (IPSDC)*", "*International Residential Code (IRC)*", and "*International Wildland-Urban Interface Code (IWUIC)*";

(2) in Chapter 1, Section 101.2 (Scope) of the *IBC*, the last sentence of the paragraph is revised by adding "as governed by the provisions of AS 18.70.080"; and the exception is revised to read as follows:

"Exceptions:

1. Detached one-, two-, and three-family dwellings.
2. Multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures. These structures shall be plan reviewed to the *IBC*. Fire walls between townhouses may be designed to meet Section 706 of the *IBC* or **by two one-hour fire resistance-rated wall assemblies tested in accordance with Section 703.2.2 of the IBC** [SECTION R302.2 OF THE *INTERNATIONAL RESIDENTIAL CODE (IRC)*].";

(3) Chapter 1, Section 104.2 (Applications and permits) of the *IBC*, is revised by deleting the words "and permits" from the heading, and the section is revised to read: "The

building official shall receive applications and review construction documents for the on-site 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. Plans for construction occurring out of state or manufactured off site must be sealed by a registered design professional of this state and of appropriate discipline in accordance with AS 08.48 to have a plan review completed before the construction being placed on its foundation and all plan review deficiencies must be corrected before occupancy of the facility.";

(4) Chapter 1, Section 105 (Permits) of the *IBC*, is revised by deleting the heading and replacing it with "Application for Plan Review";

(5) Chapter 1, Section 105 (Permits) of the *IBC*, is revised by replacing the word "permit" wherever it occurs with the words "plan review";

(6) Chapter 1, Section 105.2 (Work exempt from permit) of the *IBC*, Item 2 is revised to read: "2. Fences.", and Section 105.2 is also revised by adding a new Item 14 to read: "14. Buildings classified as a Group U Occupancy, other than those in Appendix LL, 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 307.1(1) and 307.1(2). This exemption includes buildings in which the public has no access, such as farm, dairy operations, or greenhouse operations.";

(7) in Chapter 1, Section 105.3 (Application for permit) of the *IBC*, the first sentence 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.";

(8) Chapter 1, Section 107 (Submittal documents) of the *IBC*, is revised by

replacing the word "permit" wherever it occurs, with the words "plan review";

(9) Chapter 1, Section 107.2.2 (Fire protection system shop drawings) of the *IBC*, is revised by adding the sentences "Shop drawings shall be sealed by a registered design professional of this state and of appropriate discipline in accordance with AS 08.48, or shall be signed and dated by a fire systems permit holder under AS 18.70.090 and 13 AAC 50.035. At least two sets of shop drawings shall be submitted. The building official shall retain one set, and one approved set stamped by the building official shall be retained on site during the installation of the system." at the end of the section;

(10) Chapter 1, Section 107.3.1 (Approval of construction documents) of the *IBC*, is revised to read: "One set of bound or one electronic set of construction documents so reviewed shall be retained by the building official.";

(11) Chapter 1, Section 109 (Fees) of the *IBC*, is revised by replacing the word "permit" wherever it occurs, with the words "plan review";

(12) Chapter 1, Section 109.3 (Building permit valuation) of the *IBC*, is revised to read: "Building plan review valuations. The applicant for a plan review involving an addition to an existing structure, a remodel of an existing structure, or a fuel system shall provide an estimated building construction value at the time of application. The valuation shall include the total value of work, including design, 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.";

(13) [CHAPTER 2, SECTION 202 OF THE *IBC*, IS REVISED BY ADDING A DEFINITION TO READ: "BED AND BREAKFAST. A BUILDING CONSTRUCTED AS A SINGLE FAMILY HOME THAT IS THE OWNER'S PRIMARY RESIDENCE AND CONTAINS MORE THAN SIX SLEEPING ROOMS, INCLUDING ALL SLEEPING ROOMS LOCATED IN CABINS ON THE SAME PROPERTY. A BED AND BREAKFAST REQUIRES A PLAN REVIEW AND WILL BE CONSIDERED A COMMERCIAL PROPERTY.";

(14)] Chapter 2, Section 202 of the *IBC*, is revised by adding a definition to read: "EXISTING BUILDING (EXISTING CONSTRUCTION OR EXISTING STRUCTURE). Any building or structure

(A) for which the start of construction commenced before the earlier of

(i) the effective date of the community's first code, ordinance, or standard; or

(ii) December 5, 1956; or

(B) that received a legal building review. The certificate of fire and life safety or plan review number shall be provided."

(14) [(15)] Chapter 2, Section 202 of the *IBC*, is revised by adding a definition to read: "NONCOMPLIANT OR UN-REVIEWED EXISTING BUILDING. Any building or structure for which the start of construction commenced without a legal plan review after the



earlier of

(A) the effective date of the community's first code, ordinance, or standard; or

(B) December 5, 1956.";

**(15)** [(16)] Chapter 2, Section 202 of the *IBC*, is revised by adding a definition to read: "RELOCATABLE **CAMPS** [MANCAMPs]. A **camp** [MANCAMP] that is disassembled and loaded on a trailer to relocate or a **camp** [MANCAMP] that is on a skid or wheels as a single unit and pulled by a vehicle without separating.";

**(16)** [(17)] Chapter 3, Section **305** [305.2] (Educational group E [: DAY CARE]) of the *IBC*, is revised by adding a new Section 305.2.4 to read: "305.2.4 Family child care homes. Family child care homes occupied as their primary residence (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 for Group E occupancy, except for fire extinguishers as required by Section 906, smoke alarms as required by Section 907.2.11.2, carbon monoxide alarms as required by Section 908, means of egress requirements of Section 1003, and emergency escape and rescue openings, as required by Section 1029, in napping or sleeping rooms, and fire extinguisher requirements as described in the *International Fire Code (IFC)*, as adopted by reference in 13 AAC 50.025, including children related to the staff. All stories that are not at grade plane shall have access to two exits.";

**(17)** [(18)] Chapter 3, Section 305 (Educational group E) of the *IBC*, is revised by adding a new Section **305.4** [305.3] to read: "**305.4** [305.3] Combination shops. Shop classrooms **that combine wood working with any other fabrication using flame or causing**

**spark** [USED FOR MULTIPLE DISCIPLINES] shall be considered an F-1 occupancy and must be [IN A DETACHED BUILDING] separated from the E occupancy in accordance with Table 602.";

**(18)** [(19) CHAPTER 3, SECTION 308.3 (INSTITUTIONAL GROUP I-1) OF THE *IBC*, IS REVISED BY ADDING A NEW SENTENCE AFTER THE SECOND SENTENCE TO READ: "FACILITIES WITHIN THIS OCCUPANCY CLASSIFICATION THAT HAVE OCCUPANTS NEEDING PHYSICAL ASSISTANCE TO RESPOND IN EMERGENCY SITUATIONS MUST COMPLY WITH SECTION 426.";

(20) CHAPTER 3, SECTION 310.1 (RESIDENTIAL GROUP R) OF THE *IBC*, IS REVISED BY ADDING A NEW SENTENCE AT THE END OF THE PARAGRAPH TO READ: "FACILITIES WITHIN THIS OCCUPANCY CLASSIFICATION THAT HAVE OCCUPANTS NEEDING PHYSICAL ASSISTANCE TO RESPOND IN EMERGENCY SITUATIONS MUST COMPLY WITH SECTION 426.";

(21) CHAPTER 3, SECTION 310.5.1 (CARE FACILITEIS WITHIN A DWELLING UNIT) OF THE *IBC*, IS REVISED TO READ: "CARE FACILITEIS WITHIN A DWELLING UNIT PROVIDING CARE FOR MORE THAN TWO BUT LESS THAN SIX WILL BE CONSIDERED A COMMERCIAL BUSINESS AND WILL BE REGULATED AND PLAN-REVIEWED AS AN R-3 OCCUPANCY UNDER THE *IBC*.";

(22)] Chapter 4, Section **412.3.1** [412. 4.1] (Exterior walls) of the *IBC*, is revised by deleting "30 feet (9144 mm)" and replacing it with "20 feet (6,098 mm)";

**(19)** [(23)] Chapter 4 (Special detailed requirements based on use and occupancy of the *IBC* is revised by adding new **Section 429** [SECTIONS 425] (Special security

requirements for elevated buildings) [AND 426 (OCCUPANTS NEEDING SPECIAL ASSISTANCE) (GROUP I-1, R-3, AND R-4 OCCUPANCIES)] to read:

"SECTION 429 [425]

SPECIAL SECURITY REQUIREMENTS FOR ELEVATED BUILDINGS

429.1 [425.1] All elevated 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, if a building is higher than two foot to the underside of floor framing.

Exceptions:

1. Normally unoccupied buildings;
2. Buildings of F, H, S, and U occupancies;
3. All occupancies within an industrial area that is secured and there is no public access.

[SECTION 426

OCCUPANTS NEEDING PHYSICAL ASSISTANCE (GROUP I-1, R-3, AND R-4  
OCCUPANCIES)

426.1 APPLICABILITY. THE PROVISIONS OF THIS SECTION APPLY TO ALL GROUP I-1, R-3, AND R-4 OCCUPANCIES WHERE THE OCCUPANTS NEED PHYSICAL ASSISTANCE FROM STAFF OR OTHERS TO RESPOND TO EMERGENCIES.

426.2 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 SECTION 1020; OR (2) WITHIN ANOTHER PORTION OF THE BUILDING THAT IS SEPARATED BY SMOKE-PARTITIONS MEETING THE REQUIREMENTS OF SECTION 710, WITH NOT LESS THAN A ONE-HALF HOUR FIRE RESISTIVE 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.

426.3 FIRE DRILLS AND EVACUATION 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.

426.4 EVACUATION CAPABILITY AND FIRE PROTECTION REQUIREMENTS. FIRE PROTECTION REQUIREMENTS OF A FACILITY UNDER THIS SECTION AREA AS FOLLOWS:

426.4.1 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 GROUP I-1, R-3, OR R-4 OCCUPANCIES MUST BE FOLLOWED.

426.4.2 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 NFPA 72; AND (B) AN AUTOMATIC SPRINKLER SYSTEM, WITH QUICK-RESPONSE OR RESIDENTIAL SPRINKLERS, INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.2 (NFPA 13R SPRINKLER SYSTEMS).

426.4.3 IMPRACTICAL EVACUATION CAPABILITY. EVACUATION

CAPABILITY OF 14 MINUTES OF 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 426.4.2; (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 BY A THREE FOOT SIX INCH WIDE DOOR; OR (II) IF THE SLEEPING ROOMS ARE SEPARATED FROM THE REST OF THE BUILDING BY SMOKE PARTITIONS INSTALLED IN ACCORDANCE WITH IBC SECTION 710, BY EGRESS WINDOWS CONFORMING TO THE PROVISIONS OF SECTION 1029.”;]

**(20)** [(24)] Chapter 5, Section 501 (General) of the *IBC*, is revised by adding a new Section **501.2** [501.3] to read: "**501.2** [501.3] 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.";

**(21)** [(25)] Chapter 5, Table **509.1** [509] (Incidental uses) of the *IBC*, is revised by changing the wording in the first block under the left column to read: "Furnace rooms in Group E, I, and R-1, R-2, **R-3**, 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";

**(22)** [(26)] Chapter 7, Section 706.6 of the *IBC*, is revised by adding a paragraph before the exceptions to read: "If buildings are constructed on pilings, the first floor is above

ground, and the area below is completely open to the outside (not affected by skirting), a fire wall may terminate at the first floor level if it complies with the following:

1. The wall must terminate on a structural support that extends completely the length of the wall.
2. The structural support must rest upon and be completely supported by pilings.
3. The rest of the fire wall must comply with *IBC* Section 706.2.
4. If there is concealed space between the structural supports that are directly supported by piles, the concealed space must have the same fire wall protection rating for the depth of the concealed space.";

**(23)** [(27) CHAPTER 7, SECTION 706.6.1 (STEPPED BUILDINGS) OF THE *IBC*, IS REVISED BY ADDING A NEW SECTION 706.6.1.1 TO READ: "706.6.1.1 MODULAR CONSTRUCTION. THE FIRE WALL MUST BE A COMPLETELY RATED ASSEMBLY FOR EACH MODULE.";

(28)] Chapter 7, Section 718.4.2 (Groups R-1 and R-2) Exception 3 of the *IBC*, is revised by adding a new sentence at the end of the exception to read: "Adequate cross ventilation must be provided in accordance with Section **1202.2.1** [1203.2].";

**(24) Chapter 9, Section 901.5 (Acceptance tests) of the *IBC*, is revised by adding a new sentence at the end of the paragraph to read: "Within 30 days after the completion of the installation, a copy of the acceptance test certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction."**;

**(25)** [(29) CHAPTER 8, SECTION 806.1 (GENERAL REQUIREMENTS) OF THE *IBC*, IS REVISED BY ADDING "OR TREATED BY A METHOD APPROVED BY THE FIRE CODE OFFICIAL." AT THE END OF THE FOURTH PARAGRAPH;

(30)] Chapter 9, Section 903.2.3 (Group E) of the *IBC*, is revised to read: "Group E. An automatic sprinkler system must be provided throughout all buildings with Group E occupancies. The use of a fire wall or barrier does not establish a separate building or fire area for purposes of this section.

**As determined by the building official, an automatic fire-extinguishing system approved under Section 904 shall be installed in a Group E occupancy in accordance with Section 903.2.3 whenever alterations or additions are made to an existing structure containing a Group E occupancy.**

Exception: Buildings with Group E occupancies having an occupant load of **50** [49] or less.

An automatic sprinkler system must also be provided for every portion of educational buildings below the level of exit discharge.

Family child care homes that are licensed to care for more than five persons between the hours of 10:00 p.m. and 6:00 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.";

**(26)** [(31)] Chapter 9, Section 903.2.8 (Group R) of the *IBC*, is revised to read: "903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout buildings containing Group R occupancies as provided in this



section.

903.2.8.1 Group R-1. An automatic sprinkler system shall be provided throughout all buildings that contain an R-1 occupancy.

[EXCEPTIONS:

1. HEALTH CLINICS WITH TRANSIENT QUARTERS MAY UTILIZE AN *NFPA* 13R SPRINKLER SYSTEM THROUGHOUT THE BUILDING.

2. HEALTH CLINICS MAY UTILIZE AN *NFPA* 13D SPRINKLER SYSTEM IN THE SLEEPING UNIT ONLY, IF THE SLEEPING UNIT IS SEPARATED FROM THE BUILDING WITH A TWO HOUR FIRE BARRIER.]

903.2.8.2 Group R-2. An automatic sprinkler system shall be provided throughout all buildings that contain an R-2 occupancy.

Exceptions:

1. Buildings that are no more than two stories in height, including basements and contain four or fewer dwelling units.

2. Buildings that are no more than two stories in height, including basements and contain 16 or fewer sleeping rooms.

For the purpose of this section, fire walls may be used to create up to three separate attached buildings. Any additional buildings must be physically separated in accordance with *IBC* Table 602.

903.2.8.3 Group R-4. **A 13R** [AN] automatic sprinkler system shall be

provided throughout all buildings that contain an R-4 occupancy.";

**(27)** [(32)] Chapter 9, Section 903.3.6 (Hose threads) of the *IBC*, is revised by deleting "the fire code official" and replacing it with "AS 18.70.084";

**(28)** [(33) CHAPTER 9, SECTION 903.5 (TESTING AND MAINTENANCE)] OF THE *IBC*, IS REVISED BY ADDING A NEW SENTENCE AT THE END OF THE PARAGRAPH TO READ: "WITHIN 30 DAYS AFTER THE COMPLETION OF THE INSTALLATION, A COPY OF THE ACCEPTANCE TEST CERTIFICATE MUST BE FORWARDED BY THE FIRM CONDUCTING THE TEST TO THE DIVISION OF FIRE AND LIFE SAFETY OR THE DEFERRED AUTHORITY HAVING JURISDICTION.";

(34) CHAPTER 9, SECTION 903.5 (TESTING AND MAINTENANCE) OF THE *IBC*, IS REVISED BY ADDING A NEW SECTION 903.5.1 TO READ: "903.5.1 MANCAMP RELOCATIONS. ON EACH PORTABLE OR RELOCATABLE CAMP MOVE, A PLUMBER CERTIFIED UNDER AS 18.62 MAY DISCONNECT AND RECONNECT THE FIRE SUPPRESSION SYSTEM. THE MANCAMP MUST BE CERTIFIED BY AN APPROPRIATE FIRE SUPPRESSION PERMIT HOLDER UNDER AS 18.70.090 AND 13 AAC 50.035 TO PROVIDE DOCUMENTATION THAT THE SYSTEM HAS BEEN PLACED BACK IN SERVICE AND IS READY FOR OPERATION. FIRE SUPPRESSION SYSTEM CERTIFICATION DOCUMENTATION IS TO BE RETAINED ON SITE AND AVAILABLE FOR REVIEW UPON REQUEST. ANNUAL REQUIREMENTS ARE STILL REQUIRED UNDER THE CODE AS ADOPTED BY REFERENCE IN 13 AAC 50.025.";

(35) CHAPTER 9, SECTION 903 OF THE *IBC*, IS REVISED BY ADDING A NEW SECTION 903.6 TO READ: "903.6 GROUP E; AUTOMATIC FIRE-EXTINGUISHING

SYSTEMS. AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM APPROVED UNDER SECTION 904 MUST BE INSTALLED IN A GROUP E OCCUPANCY IN ACCORDANCE WITH SECTION 903.2.3, AS REVISED, WHENEVER ALTERATIONS OR ADDITIONS ARE MADE TO AN EXISTING STRUCTURE CONTAINING A GROUP E OCCUPANCY.";

(36)] Chapter 9, Section 904.1 (General) of the *IBC*, is revised by adding a new sentence at the end of the paragraph to read: "Within 30 days after the completion of the installation, a copy of the acceptance test certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(29)** [(37) CHAPTER 9, SECTION 904 OF THE *IBC*, IS REVISED BY ADDING A NEW SECTION 904.12 TO READ: "904.12 WATER-MIST FIRE-EXTINGUISHING SYSTEMS. WATER-MIST FIRE-EXTINGUISHING SYSTEMS SHALL BE INSTALLED, MAINTAINED, AND PERIODICALLY INSPECTED AND TESTED IN ACCORDANCE WITH *NFPA* 750, AS ADOPTED BY REFERENCE, AND THEIR LISTING.";

(38)] Chapter 9, Section 906.1 (Where required) of the *IBC*, is revised by deleting the exception in item 1;

**(30)** [(39)] Chapter 9, Section 907.2.3 (Group E) of the *IBC*, Exception 1 is revised by replacing "**50** [30]" with "49";

**(31)** [(40) CHAPTER 9, SECTION 907.2.3 (GROUP E) OF THE *IBC*, EXCEPTIONS IS REVISED BY ADDING A NEW EXCEPTION AT THE END TO READ: "4. EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS ARE NOT REQUIRED IN GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD OF 100 OR LESS.";

(41)] Chapter 9, Section 907.2.3 (Group E) of the *IBC*, is revised by adding a second paragraph after the exceptions 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 907.2.11.2.";

**(32)** [(42)] Chapter 9, Section 907.2.9 (Group R-2) of the *IBC*, is revised by adding a new Section 907.2.9.4 to read: "907.2.9.4 Remote **camps** [MANCAMPs]. Any **camp** [MANCAMP] that is located outside a fire department service area shall be equipped with an automatic smoke [OR FIRE] detection system that activates the occupant notification system in accordance with Section 907.5 throughout buildings that are used for sleeping purposes.";

**(33)** [(43)] CHAPTER 9, SECTION 907.2.11 (SINGLE- AND MULTIPLE-STATION SMOKE ALARMS) OF THE *IBC*, 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 907.2.11.";

(44)] Chapter 9, Section **907.2.11.5** [907.2.11.3] (Interconnection) of the *IBC*, is revised by adding a new paragraph to read: "If more than 12 smoke alarms are interconnected the interconnecting means must be supervised in accordance with *NFPA 72*.";

**(34)** [(45)] Chapter 9, Section 907.7.2 (Record of completion) of the *IBC*, is revised by adding a new sentence to read: "Within 30 days after completion of the installation, a copy of the acceptance test certificate verifying completion in accordance with *NFPA 72* must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(35)** [(46)] Chapter 9, Section 907.8 (Inspection, testing and maintenance) of the *IBC*, is revised by adding a new Section 907.8.1 to read: "907.8.1 **Camp** [MANCAMP] relocations. On each portable or relocatable camp move, an electrician certified under AS 18.62 may disconnect and reconnect the fire alarm system. The **camp** [MANCAMP] must be certified by an appropriate fire system permit holder under AS 18.70.090 and 13 AAC 50.035 to provide documentation that the system has been placed back in service and is ready for operation. System certification documentation is to be retained on site and available for review upon request. Annual requirements are still required under the code as adopted by reference in 13 AAC 50.025.";

**(36)** [(47)] Chapter 9, Section 909.18 (Acceptance testing) of the *IBC*, is revised by adding a new sentence at the end of the paragraph to read: "Within 30 days after the completion of the installation, a copy of the acceptance test certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(37)** [(48)] CHAPTER 9, SECTION 910.1 (GENERAL) OF THE *IBC*, IS REVISED BY DELETING EXCEPTION 2;

**(49)** CHAPTER 10, SECTION 1017.5 (AISLES IN OTHER THAN ASSEMBLY SPACES AND GROUPS B AND M) IS REVISED TO READ: "IN OTHER THAN ROOMS OR SPACES USED FOR ASSEMBLY PURPOSES AND GROUP B AND M OCCUPANCIES, THE MINIMUM CLEAR AISLE CAPACITY SHALL BE DETERMINED BY SECTION 1005.1 FOR THE OCCUPANT LOAD SERVED, BUT THE WIDTH SHALL NOT BE LESS THAN THAT REQUIRED FOR CORRIDORS BY SECTION 1018.2."

EXCEPTION: NONPUBLIC AISLES SERVING LESS THAN 50 PEOPLE AND NOT REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 NEED NOT EXCEED 28 INCHES (711 MM) IN WIDTH.";

(50)] Chapter 10, Table **1020.2** [1018.1] (Corridor fire-resistance rating) of the *IBC*, is revised by inserting a superscript "**e**" ["D"] footnote reference after "R" in the "occupancy" column and is revised by adding footnote "**e**" ["D"] to read: "R occupancies with an occupant load greater than 10 shall have one-hour rated corridors when the R occupancies are allowed to not have a sprinkler system and

1. serve four or fewer dwelling units or 16 or fewer sleeping rooms; and
2. are **not more than two** [LESS THAN THREE] stories [IN HEIGHT].";

**(38)** [(51)] Chapter 10, Section **1031.2** [1029.1] (**Where required** [GENERAL]) of the *IBC*, is revised by **replacing** [CHANGING] the first sentence to read: "In addition to the means of egress required by this chapter provisions shall be made for emergency escape and rescue openings in Group R and I-1 occupancies.";

**(39)** [(52)] Chapter 10, Section **1031.2** [1029.1] (**Where required** [GENERAL]) of the *IBC*, is revised by deleting Exceptions 1 and 3;

**(40)** [(53)] Chapter 11, Section 1101.1 (Scope) of the *IBC*, is revised to read: "[COMPLIANCE REVIEW BY THE DIVISION OF FIRE AND LIFE SAFETY IS LIMITED TO THE REVIEW OF THE ACCESSIBLE ROUTE, MEANS OF EGRESS REQUIREMENTS OF THE CODE, AND AT LEAST ONE ACCESSIBLE TOILET ROOM ALONG THE ACCESSIBLE ROUTE.] Compliance with the requirements of this chapter and other provisions

within this code for accessibility of persons with disabilities is the exclusive responsibility of the owner of the structure or design professional of record.";

**(41)** [(54)] Chapter 16, Section 1601.1 (Scope) of the *IBC*, 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. The division of fire and life safety does not perform review for conformance with these criteria. Compliance with the requirements of this chapter, other provisions in this code for structural design, local government flood reduction ordinances, and federal oversight and authority through the Federal Emergency Management Agency (FEMA) National Flood Insurance Program (NFIP) under 44 C.F.R. Parts 59 and 60 is the exclusive responsibility of the building owner or design professional of record. Information regarding the National Flood Insurance Program is available from the Department of Commerce, Community, and Economic Development, division of community and regional affairs at <https://www.commerce.alaska.gov/web/dcra/PlanningLandManagement/FloodplainManagement.aspx>. Information on approaches and grants for mitigating natural hazards in construction, including seismic hazards, is available through the Department of Military and Veterans' Affairs, division of homeland security and emergency management at <http://www.ready.alaska.gov>.";

**(42)** [(55)] Chapter 17, Section 1701.1 (Scope) of the *IBC*, 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 division of fire and life safety, 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.";

**(43)** [(56)] Chapter 27, Section 2701.1 (Scope) of the *IBC*, is revised by adding a new sentence at the end of the section to read: "Electrical weatherheads must be installed on the gable ends when a metal roof is installed.";

**(44)** [(57)] in Chapter 31, Section 3103.1 (Temporary structures: General) of the *IBC*, the first sentence 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.";

**(45)** [(58)] Chapter 31, Section 3103.2 (Construction documents) of the *IBC*, is revised by adding a second sentence to read: "Structures of less than 300 square feet in floor area that are designed for the specific purpose of providing an enclosure for non-hazardous equipment, and not containing hazardous materials in excess of those found in Tables 307.1(1) and 307.1(2) are not required to be sealed by a registered design professional.";

**(46)** [(59)] Chapter 31 of the *IBC* is revised by deleting Section 3107 (Signs) [AND SECTION 3109 (SWIMMING POOL ENCLOSURES AND SAFETY DEVICES)];

**(47)** [(60)] CHAPTER 34, SECTION 3401.3 OF THE *IBC*, 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 2012 EDITION*, AS ADOPTED BY REFERENCE, AND THE *INTERNATIONAL MECHANICAL CODE 2012 EDITION*, AS



ADOPTED BY REFERENCE.";

(61) CHAPTER 34, SECTION 3403.2 (FLOOD HAZARD AREAS) OF THE *IBC*, IS REVISED TO READ: "THIS SECTION 3403 IS ADOPTED AS CRITERIA TO GUIDE THE OWNER OR REGISTERED DESIGN PROFESSIONAL OF RECORD. PLANS ARE NOT REVIEWED BY THE DIVISION OF FIRE AND LIFE SAFETY FOR COMPLIANCE. COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION, LOCAL GOVERNMENT FLOOD REDUCTION ORDINANCES, AND FEDERAL OVERSIGHT AND AUTHORITY THROUGH THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) NATIONAL FLOOD INSURANCE PROGRAM (NFIP) UNDER 44 C.F.R. PARTS 59 AND 60, IS THE EXCLUSIVE RESPONSIBILITY OF THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL OF RECORD. FEDERAL INFORMATION ABOUT THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) IS AVAILABLE AT [HTTPS://WWW.FEMA.GOV/NATIONAL -FLOOD-INSURANCE-PROGRAM](https://www.fema.gov/national-flood-insurance-program).";

(62) CHAPTER 34, SECTION 3408 (CHANGE OF OCCUPANCY) OF THE *IBC*, IS REVISED BY DELETING SECTION 3408.2 (CERTIFICATE OF OCCUPANCY);

(63) CHAPTER 34, SECTION 3411.1 (SCOPE) OF THE *IBC*, IS REVISED BY ADDING A SENTENCE AT THE END OF THE FIRST PARAGRAPH TO READ: "THIS SECTION 3411 IS ADOPTED AS GUIDANCE FOR ACCESSIBILITY FOR THE OWNER AND THE OWNER'S REGISTERED DESIGN PROFESSIONALS.";

(64) CHAPTER 34, SECTION 3412.2 OF THE *IBC*, 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 SECTIONS 3403 - 3408 OF THIS CODE.";

(65) CHAPTER 35 (REFERENCED STANDARDS) OF THE *IBC* IS REVISED BY ADDING THE FOLLOWING EDITIONS OF THE REFERENCED STANDARDS, AND THE STANDARDS ARE ADOPTED BY REFERENCE:

*NFPA 750: STANDARD ON WATER MIST FIRE PROTECTION SYSTEMS 2010 EDITION (NFPA 750-10);*

*NFPA 2010: STANDARD FOR FIXED AEROSOL FIRE-EXTINGUISHING SYSTEMS 2015 EDITION (NFPA 2010-15);*

(66)] the appendices of the *IBC* are revised by adding, after Appendix L and before Appendix M, Appendix LL to read:

"APPENDIX LL OIL AND GAS INDUSTRIAL PROCESSING BUILDINGS

LL101 General. These provisions have been established to provide engineering methods for the design and construction of hydrocarbon processing buildings in this state.

LL102 Scope. These standards augment and are used in conjunction with the respective requirements of the 2021 [2012] *International Building Code (IBC)*, *International Mechanical Code (IMC)*, *International Fire Code (IFC)*, and *International Fuel Gas Code (IFGC)* as the minimum requirements for occupancies (F, H, S, and U) when designing and constructing hydrocarbon (facilities that are directly connected with the transport or processing of oil and gas or by-products) buildings in this state. These standards apply to industrial occupancies attached to H-2 buildings such as the following: control rooms, offices, break rooms, warehouses,

generator enclosures, vehicle storage, and others as approved by the authority having jurisdiction.

LL102.1 Small unoccupied remote dedicated structures, shelters, and enclosures, such as a wellhead shelter (any item that is put over the top of the wellhead that totally encloses the wellhead), communications shelters (unoccupied buildings with no hazardous vapors, gases, or products open to the atmosphere within the structures and that are utilized solely for the housing of wires and their components), pigging enclosures, a 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 1,000 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;
4. If the building exceeds 300 square feet, the building has at least two exits;
5. "Remote" means a location that is secured and has limited or no public access and where no other occupied non-oil and gas related buildings or structures are located within one half mile of a flare or emergency process safety blow down exhaust termination;
6. "Dedicated" means housing only equipment associated with a single activity such as metering or pigging.

LL102.2 Structures that meet the requirements of Section LL102.1 shall neither require conformance with *IBC* Section 1604.4 nor a professional engineer's registration number

or seal on plans if all of the following conditions exist:

1. The building is less than 300 square feet;
2. The building is pre-manufactured;
3. The pre-manufactured building is based on the manufacturer's experience or the building has been load tested for the site location conditions.

LL102.3 Factory fabricated structures of less than 400 square feet in area, singularly or aggregate, that are designed for the specific purpose of providing an enclosure for non-hazardous equipment and not containing hazardous materials in excess of those found in *IBC* Tables 307.1(1) and 307.1(2) are exempt from plan review in accordance with *IBC* Section 105.2. Any structure shall not be occupied for any reason other than maintenance and service of equipment housed within the structure.

LL103 Hydrocarbon processing buildings are considered special industrial occupancies as defined in *IBC* Section 503.1.1 [ AND ARE THEREFORE EXEMPT FROM THE HEIGHT AND AREA LIMITATIONS OF *IBC* TABLE 503].

LL103.1 Module separation. Elevated pipe ways extending from a building need not be considered projections of the building.

LL103.1.1 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 fire fighting.

LL104 Stairs, landings, handrails, and guardrails. Stairs, landings, handrails, and

guardrails must meet the minimum requirements of 8 AAC 61, [AS AMENDED AS OF JULY 28, 2013 AND] as amended from time to time; these regulations supersede the respective requirements of the *IBC*.

LL104.1 Landings, 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 Section 1008.1.6 of the *IBC*.

LL104.2 Industrial areas that are fenced or guarded and not open to the public in group B, F, H, R-1, R-2, or S occupancies, balusters, horizontal intermediate rails, or other construction must not permit a sphere with a diameter of 21 inches (533 mm) to pass through any opening.

LL105 Construction specifics. The construction of hydrocarbon processing buildings must comply with Sections LL105.1 - LL105.3 of this code.

LL105.1 Fire walls, fire-resistance rated exterior walls, fire barrier walls, and horizontal assembly continuity. When a fire wall is used to qualify under Section 705 of the *IBC*, the wall must comply with that section. If the fire wall, fire-resistance rated exterior wall, or fire barrier wall does not extend to the ground, the structural supports for the wall must rest upon and be completely supported by the pilings. If a horizontal assembly is not supported by the ground, it must rest upon and be completely supported by the pilings.

LL105.2 Tank support fireproofing. Fire proofing requirements for steel tank supports, as described in Section 5704.2.9.2.3 of the *IFC* 2021 [2012] Edition, as adopted by reference, may be waived by the authority having jurisdiction 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.

LL105.2.1 Tank venting and relief requirements for tanks and pressure vessels storing class IB, class IC, class II, or class III liquids described in Sections 5704.2.7.3 and 5704.2.7.4 of the *IFC **2021** [2012] Edition* may be satisfied by the use of properly sized open vents without flame arrestors. When open vents are utilized they shall be configured to minimize the accumulation of snow and ice. This relief shall only apply to installation in cold climate locations. In this section, "cold climate locations" means locations with an American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 99 percent design heating design temperature (dry bulb) of less than -25 degrees Fahrenheit. These figures shall be based on the values published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers.

LL105.2.2 Bulk transfer and process transfer locations. Bulk transfer and process transfer operations must be conducted in approved locations. Tank vehicle transfer facilities shall be separated from buildings and above-ground tanks by a minimum distance of five feet (1,524 mm) for Class I, II, and III liquids measured from the nearest position of any tank loading valve and meet the following requirements:

1. Adherence to an approved written company policy for transfer of flammable and combustible liquids;
2. Tank capacity of either the truck or tank must not exceed 15,000 gallons;
3. The tank vehicle shall be located a minimum of 20 feet from tank connections, and a minimum distance of 25 feet from tank or building during transfer

operations;

4. Tank fill connections must not be utilized to transfer liquids to tank vehicles.

LL105.3 Electrical or communication equipment shelters, wellhead valve shelters, and wellhead shelters. **Neither fire separation distance between adjacent shelters, as described in IBC Table 705.5, nor thermal** [THERMAL] barrier requirements, as described in Section 2603.4 of the IBC, [ARE NOT REQUIRED] for fiberglass or metal sheeting used for construction of electrical or communication equipment shelters, wellhead valve shelters, and wellhead shelters **are required** if the following conditions are met:

1. The area of an individual shelter may not exceed 1,000 square feet;
2. **Fire separation distance shall be in accordance with IBC**

**Table 705.5** [SEPARATION BETWEEN INDIVIDUAL SHELTERS MUST BE A MINIMUM OF SIX FEET];

**Exceptions:**

**(a) Combined fire separation distances between adjacent individual electrical or communication equipment shelters must be a minimum of six feet;**

**(b) Fire separation distance is not required between adjacent individual wellhead valve shelters, individual wellhead shelters, or a combination of those shelters;**

3. Each wellhead shelter shall only enclose one wellhead;
4. Each wellhead valve shelter shall serve only one wellhead;
5. The electrical or communication shelter, wellhead valve shelter, or

wellhead shelter must normally be unoccupied. It is understood that operators need to spend approximately 10 minutes per day taking readings in wellhead shelters 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 wellhead shelter. All maintenance is strictly controlled with a permit system [;

6. WITH THE EXCEPTION OF WELLHEAD VALVE SHELTERS AND WELLHEAD SHELTERS, SEPARATION BETWEEN INDIVIDUAL SHELTERS SHALL BE A MINIMUM OF SIX FEET].

LL106 Fire suppression. The provisions of Sections LL106.1 - LL106.4 establish the standards for fire suppression at oil and gas hydrocarbon processing buildings.

LL106.1 Fire extinguishing system. An automatic sprinkler system as specified in *IBC* Section 903.2.5.1 or alternative automatic fire extinguishing system need not be provided in Group H-2 occupancy compressor modules, dehydration modules, metering modules and heater/separator modules if the following conditions are met:

1. The module under consideration primarily handles natural gas and its by-products;
2. The module is located within a secured site with controlled access;
3. The module is normally unoccupied;
4. Significant quantities of Class I or Class II liquids are not present;
5. The aggregate module area under consideration is less than 1,500 square feet;



6. Module construction features panelized type exterior walls that will provide for venting in the event of over pressurization;
7. Combustible gas detection is provided;
8. A mechanical ventilation system capable of providing the following is provided:
  - i. Minimum four air changes an [PER] hour operating continuously;
  - ii. Minimum 12 air changes an hour upon detection of combustible or flammable vapors in excess of 20 percent lower flammable limit (LFL) (lower explosive limit (LEL));
9. Upon detection of combustible or flammable vapors in excess of 40 percent LFL (LEL) process safety management features are automatically initiated to reduce or eliminate the fuel load;
10. Module location complies with *IBC* Section 705.3.

LL106.2 Alternate automatic fire-extinguishing (AAFE). Automatic activation for gas detection (inerting or suppression agent) in areas of hydrocarbon processing buildings where (1) both fire and explosion hazards exist, (2) both fire and gas detection systems are (interconnected or independently, or both) 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 alternate automatic fire-extinguishing (AAFE) operating activation mode is acceptable: Automatic activation of the alternate automatic fire-

extinguishing (AAFE) system upon gas detection coupled with manual activation of the same alternate automatic fire-extinguishing (AAFE) system on fire detection is approved.

LL106.3 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.

LL106.4 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 Section 903.3.1.1 of the *IBC*.”;

**(48)** [(67)] the appendices of the *IBC* are revised by adding Appendix **NN** [N] to read:

"APPENDIX **NN** [N] REPAIRS TO BUILDING AND STRUCTURES DAMAGED BY THE  
OCCURRENCE OF A NATURAL DISASTER

**NN101** [N101] 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.

**NN102** [N102] 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.

**NN103** [N103] Structural repairs. When the ratio described in Section **NN102** [N102] 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 other structures, except essential facilities included as Category III buildings and other structures in Table 1604.5 (Risk category of buildings and other structures) of this code, must, at a minimum, be restored to their pre-disaster condition. When the ratio described in Section **NN102** [N102] is greater than 10 percent but less than 50 percent, buildings and other structures, except essential facilities included as Category III buildings and other 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 **NN102** [N102] 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 **NN102** [N102] is greater than 50 percent, buildings and other structures, except essential facilities included as Category III buildings and other structures in Table 1604.5 of this code, must, at a minimum, have the entire building or other structure strengthened to

Register 244, January 2023

## PUBLIC SAFETY

comply with the force level and connection requirements of this code. These requirements apply to essential facilities when the ratio described in Section **NN102** [N102] is greater than or equal to 30 percent.

**NN104** [N104] Nonstructural repairs to light fixtures and suspended ceilings. Under all ratios calculated under Section **NN102** [N102], 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 Section 803.9 of this code.

Undamaged light fixtures and suspension systems must have the additional support and bracing that is required in Section 803.10 of this code." (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; am 9/12/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244 )

**Authority:** AS 18.70.080

**Editor's note:** Copies of the *International Building Code* **2021** [2012] Edition (IBC) may be obtained from the International Code Council Inc., **25442 Network Place, Chicago, Illinois 60673-1254** [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: **(800) 786-4452** [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

[AS OF REGISTER 228 (JANUARY 2019), THE REGULATIONS ATTORNEY MADE A TECHNICAL CORRECTION UNDER AS 44.62.125(b)(6), TO THE

## INTRODUCTORY LANGUAGE OF 13 AAC 50.020(23).]

13 AAC 50 is amended by adding a new section to read:

**13 AAC 50.021. International Existing Building Code.** The *International Existing Building Code 2021 Edition (IEBC)*, Chapters 1 - 16, and Appendix A - C, are adopted by reference to regulate all occupancies and buildings, except that the *IEBC* is revised by deleting all the references to "*ICC Electrical Code*" or "*NFPA 70*" and replacing those references with "Electrical Code as adopted by 8 AAC 70.025, as amended from time to time" and the *IEBC* is revised by deleting all the references to "*International Fuel Gas Code*", with the exception of Chapter 3 Section 304 and Chapters 6 and 7, deleting all the references to "*International Plumbing Code*", and replacing the references to "*International Fuel Gas Code*" and "*International Plumbing Code*" with "Plumbing Code as adopted by 8 AAC 63.010, as amended from time to time". Additionally, the *IEBC* is changed with the following revisions:

(1) Chapter 1 of the *IEBC* is revised by deleting Sections 103, 104.4, 104.6, 104.8, 105.4, 106.5, 108.2, 108.4, and 108.5, and Sections 109 - 114 are revised by deleting the references to the "*International Energy Conservation Code (IECC)*", "*International Property Maintenance Code (IPMC)*" and "*International Residential Code (IRC)*";

(2) Chapter 1, Section 104.2 (Applications and permits) of the *IEBC* is revised by deleting the words "and permits" from the heading, and the section is revised to read: "The building official shall receive applications and review construction documents for the on-site 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. Plans

for construction occurring out of state or manufactured off site must be sealed by a registered design professional of this state and of appropriate discipline in accordance with AS 08.48 to have a plan review completed before the construction being placed on its foundation and all plan review deficiencies must be corrected before occupancy of the facility."

(3) Chapter 1, Section 105 (Permits) of the *IEBC* is revised by deleting the heading and replacing it with "Application for Plan Review";

(4) Chapter 1, Section 105 (Permits) of the *IEBC* is revised by replacing the word "permit" wherever it occurs with the words "plan review";

(5) in Chapter 1, Section 105.3 (Application for permit) of the *IEBC*, the first sentence 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.";

(6) Chapter 1, Section 106 (Construction documents) of the *IEBC* is revised by replacing the word "permit" wherever it occurs, with the words "plan review";

(7) Chapter 1, Section 106.2.2 (Fire protection system(s) shop drawings) of the *IEBC* is revised by adding the following sentences at the end of the section: "Shop drawings shall be sealed by a registered design professional of this state and of appropriate discipline in accordance with AS 08.48, or shall be signed and dated by a fire systems permit holder under AS 18.70.090 and 13 AAC 50.035. At least two sets of shop drawings shall be submitted. The building official shall retain one set, and one approved set stamped by the building official shall be retained on site during the installation of the system.";

(8) Chapter 1, Section 107.3.1 (Approval of construction documents) of the *IEBC* is revised to read: "One set of bound or one electronic set of construction documents so reviewed

shall be retained by the building official.";

(9) Chapter 1, Section 108 (Fees) of the *IEBC*, is revised by replacing the word "permit" wherever it occurs, with the words "plan review";

(10) Chapter 1, Section 108.3 of the *IEBC*, is revised by revising the section heading to read "(Building plan review valuations)" and by revising the section text to read: "The applicant for a plan review involving an addition to an existing structure, a remodel of an existing structure, or a fuel system shall provide an estimated building construction value at the time of application. The valuation shall include the total value of work, including design, 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.";

(11) Chapter 1, Section 109 (Inspections) of the *IEBC*, is revised by replacing the word "permit" wherever it occurs, with the words "plan review". (Eff. 10/28/2022, Register 244)

**Authority:** AS 18.70.080

**Editor's note:** Copies of the *International Existing Building Code 2021 Edition (IEBC)*

may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254; telephone: (800) 786-4452; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

13 AAC 50.023 is amended to read:

**13 AAC 50.023. International Mechanical Code.** The *International Mechanical Code 2021 [2012] Edition (IMC)*, Chapters 1 - 15 and Appendix A, are adopted by reference to regulate all occupancies and buildings, except that the *IMC* is revised by deleting all the references to "*ICC Electrical Code*" or "*NFPA 70*" and replacing those references with "Electrical Code as adopted by 8 AAC 70.025, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time" and the *IMC* is revised by deleting all the references to "*International Fuel Gas Code*", with the exception of **Chapter 3 Section 304 and** Chapters 6 and 7, deleting all the references to "*International Plumbing Code*", and replacing the references to "*International Fuel Gas Code*" and "*International Plumbing Code*" with "Plumbing Code as adopted by 8 AAC 63.010, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time". Additionally, the *IMC* is changed with the following revisions:

(1) Chapter 1 of the *IMC* is revised by deleting Sections 103, 104, and 106 - 110 and is revised by deleting references to the ["*INTERNATIONAL EXISTING BUILDING CODE (IEBC)*",] "*International Energy Conservation Code (IECC)*" [,] and "*International Residential Code (IRC)*";

(2) Chapter 3, Section 301.6 (Fuel gas appliances and equipment) of the *IMC*, is revised by deleting the words "fuel gas distribution piping and equipment" and "fuel gas fired appliance venting systems";



(3) [CHAPTER 3, SECTION 304.9 (CLEARANCES TO COMBUSTIBLES CONSTRUCTION) OF THE *IMC*, 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 *IMC*. 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 308.6 (CLEARANCE REDUCTION METHODS) OF THIS CODE. CLEARANCES TO COMBUSTIBLES MUST INCLUDE CONSIDERATIONS SUCH 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.";

(4) CHAPTER 3, SECTION 304.9 OF THE *IMC*, IS REVISED BY ADDING TABLES 304.8 AND 304.9 TO READ:

"TABLE 304.8 STANDARD INSTALLATION CLEARANCES, IN INCHES FOR CERTAIN  
UNLISTED HEAT-PRODUCING APPLIANCES

APPLIANCES	FUEL	ABOVE TOP OF CASING OR APPLI- ANCE	FORM TOP AND SIDES OF WARM- AIR BONNET OR PLENUM	FROM FRONT <sup>1</sup>	FROM BACK <sup>6</sup>	FROM SIDES <sup>6</sup>
FURNACES –						
FOR MOUNTING ON COMBUSTIBLE FLOORS	SOLID	18 <sup>2</sup>	18 <sup>2</sup>	48	18	18
	AUTOMATIC OIL OR COMB. GAS- OIL.	36		12	12	12
ROOM HEATERS <sup>3</sup>						
CIRCULATING TYPE.	OIL OR SOLID	36		24	12	12
RADIANT OR OTHER TYPE.	OIL OR SOLID	36		36	36	36
FIREPLACE STOVE	SOLID	48 <sup>4</sup>		54	48 <sup>4</sup>	48 <sup>4</sup>
INCINERATORS						
DOMESTIC TYPES		36 <sup>5</sup>		48	36	36
COMMERCIAL TYPE LOW HEAT APPLIANCES						
UNIT HEATERS	ALL FUELS	18		48	18	18
FLOOR MOUNTED ANY SIZE.						
OTHER LOW- HEAT INDUSTRIAL APPLIANCES.	ALL FUELS	18	18	48	18	18

APPLIANCES	FUEL	ABOVE TOP OF CASING OR APPLI- ANCE	FORM TOP AND SIDES OF WARM- AIR BONNET OR PLENUM	FROM FRONT <sup>1</sup>	FROM BACK <sup>6</sup>	FROM SIDES <sup>6</sup>
FLOOR MOUNTED OR SUSPENDED.						
COMMERCIAL INDUSTRIAL TYPE MEDIUM HEAT APPLIANCES						
INCINERATORS ALL SIZES.		48		96	36	36

## FOOTNOTES:

(1) THE MINIMUM DIMENSION SHALL BE THAT NECESSARY FOR SERVICING THE APPLIANCE, INCLUDING ACCESS FOR CLEANING AND NORMAL CARE, TUBE REMOVAL, AND SIMILAR ITEMS.

(2) THE DIMENSION MAY BE SIX INCHES (152MM) FOR AN AUTOMATICALLY STOKER-FIRED FORCED-WARM AIR FURNACE EQUIPPED WITH 250 DEGREE FAHRENHEIT LIMIT CONTROL AND WITH BAROMETRIC DRAFT CONTROL OPERATED BY DRAFT INTENSITY AND PERMANENTLY SET TO LIMIT DRAFT TO A MAXIMUM INTENSITY OF 0.13-INCH WATER GAUGE (32PA).

(3) APPROVED APPLIANCES MUST BE INSTALLED ON NON-COMBUSTIBLE FLOORS AND MAY BE INSTALLED ON PROTECTED COMBUSTIBLE FLOORS. HEATING APPLIANCES APPROVED FOR INSTALLATION ON PROTECTED COMBUSTIBLE FLOORING SHALL BE SO CONSTRUCTED THAT FLAME AND HOT

GASES DO NOT COME IN CONTACT WITH THE APPLIANCE BASE. PROTECTION FOR COMBUSTIBLE FLOORS SHALL CONSIST OF FOUR INCH (102MM) HOLLOW MASONRY COVERED WITH SHEET METAL AT LEAST 0.021 INCH (0.5MM) THICK (NO. 24 MANUFACTURER'S STANDARD GAUGE). MASONRY MUST BE PERMANENTLY FASTENED IN PLACE IN AN APPROVED MANNER WITH THE ENDS UNSEALED AND JOINTS MATCHED SO AS TO PROVIDE FREE CIRCULATION OF AIR THROUGH THE MASONRY. FLOOR PROTECTION SHALL EXTEND 12 INCHES (305MM) AT THE SIDE OR SIDES MEASURED HORIZONTALLY FROM THE EDGES OF THE OPENING.

(4) THE 48-INCH (1,219MM) CLEARANCE MAY BE REDUCED TO 36 INCHES (914MM) WHEN PROTECTION EQUIVALENT TO THAT PROVIDED BY ITEMS 1 THROUGH 6 OF TABLE 304.9 (SEE BELOW) IS APPLIED TO THE COMBUSTIBLE CONSTRUCTION.

(5) CLEARANCE ABOVE THE CHARGING DOOR MUST BE AT LEAST 48 INCHES (1,219MM).

(6) IF THE APPLIANCE IS ENCASED IN BRICK, THE 18-INCH (457MM) CLEARANCE ABOVE AND AT SIDES AND REAR MAY BE REDUCED TO 12 INCHES (305MM).

TABLE 304.9 - CLEARANCES, IN INCHES, WITH SPECIFIED FORMS OF PROTECTION <sup>1,2</sup>

TYPE OF PROTECTION	WHERE THE STANDARD CLEARANCE IN TABLE 304.7 WITH NO PROTECTION IS:														
APPLIED TO THE COMBUSTIBLE MATERIAL. UNLESS OTHERWISE SPECIFIED AND COVERING ALL SURFACES WITHIN THE DISTANCE SPECIFIED AS THE REQUIRED CLEARANCE WITH NO PROTECTION															
	36 INCHES		18 INCHES		12 INCHES		6 INCHES								
	(THICKNESS ARE MINIMUM)														
K 25.4 FOR MM	K25.4 FOR MM														
	ABOVE	SIDES AND REAR	CHIMNEY OR VENT CONNECT-OR	ABOVE	SIDES AND REAR	CHIMNEY OR VENT CONNECT-OR	ABOVE	SIDES AND REAR	CHIMNEY OR VENT CONNECT-OR	ABOVE	SIDES AND REAR	CHIMNEY OR VENT CONNECT-OR	ABOVE	SIDES AND REAR	CHIMNEY OR VENT CONNECT-OR
1. 1/4 INCH INSULATING MILLBOARD SPACED OUT ONE INCH <sup>3</sup>	30	18	30	15	9	12	9	6	6	3	2	3			
2. 0.013 INCH (NO. 28 MANUFACTURER'S STANDARD GAGE) STEEL SHEET ON 1/4 INCH INSULATING MILLBOARD	24	18	24	12	9	12	9	6	4	3	2	2			
3. 0.013 INCH (NO. 28 MANUFACTURER'S STANDARD GAGE) STEEL SHEET SPACED OUT ONE INCH <sup>3</sup>	18	12	18	9	6	9	6	4	4	2	2	2			
4. 0.013 INCH (NO. 28 MANUFACTURER'S STANDARD GAGE) STEEL SHEET ON 1/8 INCH INSULATING MILLBOARD SPACED OUT ONE INCH <sup>3</sup>	18	12	18	9	6	9	6	4	4	2	2	2			
5. 1 1/2 INCHES INSULATING CEMENT COVERING ON HEATING APPLIANCE	18	12	36	9	6	18	6	4	9	2	1	6			
6. 1/4 INCH INSULATING MILLBOARD ON 1 INCH MINERAL FIBER BATTS REINFORCED WITH WIRE MESH OR EQUIVALENT.	18	12	18	6	6	6	4	4	4	2	2	2			

1. FOR APPLIANCES COMPLYING WITH SECTIONS 304.2 AND 304.3.

2. EXCEPT FOR THE PROTECTION DESCRIBED IN ITEM 5, ALL CLEARANCES SHALL BE MEASURED FROM THE OUTER SURFACE OF THE APPLIANCE TO THE COMBUSTIBLE MATERIAL, DISREGARDING ANY INTERVENING PROTECTION APPLIED TO THE COMBUSTIBLE MATERIAL.

3. SPACERS SHALL BE OF NONCOMBUSTIBLE MATERIAL.

NOTE: INSULATING MILLBOARD IS FACTORY-MADE PRODUCT FORMED OF NONCOMBUSTIBLE MATERIALS, NORMALLY FIBERS, AND HAVING A THERMAL CONDUCTIVITY OF 1 BTU-INCH PER SQUARE FOOT PER DEGREE FAHRENHEIT (1.73W/(M K) OR LESS.";

(5) IN CHAPTER 4, SECTION 403.3 (OUTDOOR AIRFLOW RATE) OF THE *IMC*, THE FIRST SENTENCE 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 (MINIMUM VENTILATION RATES) 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* (2010 EDITION) AS ADOPTED BY REFERENCE.";

(6)] Chapter 6, Section 605.1 (General) of the *IMC*, is revised by adding an exception to read: "Exception: Filters may be installed downstream of any heat exchanger or coil when environmental conditions are such that filters installed upstream of a heat exchanger or coil degrade system performance.";

**(4) [(7)]** Chapter 8, Section 804.1 (Direct-vent terminations) of the *IMC*, is revised by adding a second sentence to read: "Combustion vents for direct-vent chambers are at least three feet high or provide snowdrift prevention.";

**(5) [(8)]** Chapter 9, Section 907.1 (General) of the *IMC*, is revised by adding a second sentence to read: "Commercial standard UL 2790 may be accepted as an alternative to UL 791 and residential standard UL 508 and UL 698 may not be acceptable as an alternative to UL 791.";

**(6) [(9)]** CHAPTER 9 (SPECIFIC APPLIANCES, FIREPLACES AND SOLID FUEL-BURNING EQUIPMENT) OF THE *IMC*, IS REVISED BY ADDING SECTION 929 TO READ:

**"SECTION 929 UNVENTED ROOM HEATERS**

**929.1 GENERAL.** UNVENTED ROOM HEATERS SHALL BE TESTED IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) Z21.11.2 [2011] EDITION), ADOPTED BY REFERENCE, AND MAY BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

**929.2 PROHIBITED USE.** ONE OR MORE UNVENTED ROOM HEATERS MAY NOT BE USED AS THE SOLE SOURCE OF COMFORT HEATING IN A DWELLING UNIT.

**929.3 INPUT RATING.** UNVENTED ROOM HEATERS MAY NOT HAVE AN INPUT RATING IN EXCESS OF 40,000 BTU PER HOUR (11.7 KW).

**929.4 PROHIBITED LOCATIONS.** UNVENTED ROOM HEATERS MAY NOT BE

INSTALLED WITHIN GROUP A, E, OR I OCCUPANCIES. IN ALL OTHER USE GROUPS THESE APPLIANCES MAY NOT BE LOCATED IN

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 IF THE INPUT RATING DOES NOT EXCEED 6,000 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.

929.5 ROOM OR SPACE VOLUME. THE AGGREGATE INPUT RATING OF ALL UNVENTED APPLIANCES INSTALLED IN A ROOM OR SPACE MAY NOT EXCEED 20 BTU PER HOUR 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 THAT ADJACENT ROOM OR SPACE MAY BE PERMITTED TO BE INCLUDED IN THE CALCULATIONS.

929.6 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 THE ROOM HEATER.

929.7 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.";

(10)] Chapter 10, Section 1001.1 (Scope) of the *IMC*, is revised, with the exceptions remaining, 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.";

(7) [(11)] Chapter 10 of the *IMC* is revised by deleting Section 1011;

(8) [(12)] Chapter 14 (Solar **thermal** systems) of the *IMC*, is revised by deleting

Register 244, January 2023

PUBLIC SAFETY

the body of the chapter and inserting a new Section 1401 to read: "Section 1401 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 MARCH 6, 2016 AND] as amended from time to time.";

**(9) Chapter 15 (Referenced Standards) of the IMC is revised by adding, to the list of referenced UL standards, *UL 2790 - 2019 Revision Standard for Commercial Incinerators, adopted by reference.* (Eff. 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171; am 9/12/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244 )**

**Authority:** AS 18.70.080

**Editor's note:** Copies of the *International Mechanical Code 2021 [2012] Edition (IMC)* may be obtained from the International Code Council Inc., **25442 Network Place, Chicago, Illinois 60673-1254** [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: **(800) 786-4452** [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

13 AAC 50.024 is amended to read:

**13 AAC 50.024. International Fuel Gas Code.** The *International Fuel Gas Code 2021 [2012] Edition (IFGC)*, **Chapter 3 Section 304 and** Chapters 6 and 7 are adopted by reference to regulate the installation of fuel gas utilization equipment, gaseous hydrogen systems, and related accessories, except that the *IFGC* is changed by deleting all references to "*ICC Electrical Code*" or "*NFPA 70*" and replacing those references with "Electrical Code as adopted by 8 AAC

Register 244, January 2023

## PUBLIC SAFETY

70.025, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time".

Additionally, Chapter 1 of the *IFGC* is revised by deleting references to the "*International Energy Conservation Code (IECC)*" and "*International Residential Code (IRC)*". (Eff.

9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am

10/28/2022, Register 244)

**Authority:** AS 18.70.080

**Editor's note:** Copies of the *International Fuel Gas Code* 2021 [2012] Edition (*IFGC*) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452 [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

13 AAC 50.025 is repealed and readopted to read:

**13 AAC 50.025. International Fire Code.** The *International Fire Code* 2021 [2012] Edition (*IFC*), Chapters 13 - 19, 41 - 49, [12 - 19, 36 - 49] and 68 - 79 are reserved. The *International Fire Code* 2021 [2012] Edition (*IFC*), Chapters 1 - 12, 20 - 40 [1 - 11, 20 - 35], 50 - 67, and 80 and Appendices B - I, K, L, and N [B - G AND I] 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, except that the *IFC* is revised by deleting all the references to "*ICC Electrical Code*" or "*NFPA 70*" and replacing those references with "Electrical Code as adopted by 8 AAC 70.025, [AS AMENDED

AS OF MARCH 6, 2016 AND] as amended from time to time" and the *IFC* is revised by deleting all the references to "*International Fuel Gas Code*", with the exception of **Chapter 3 Section 304 and** Chapters 6 and 7, deleting all the references to "*International Plumbing Code*", and replacing the references to "*International Fuel Gas Code*" and "*International Plumbing Code*" with "Plumbing Code as adopted by 8 AAC 63.010, [AS AMENDED AS OF MARCH 6, 2016 AND] as amended from time to time". Additionally, the *IFC* is changed with the following revisions:

(1) Chapter 1 (Administration) of the *IFC* is revised by deleting Sections 103, 104.2, 104.3, 104.4, 104.5, 104.6, **104.7, 104.12** [104.10, 104.11], 106, 108, 109, and 111; [AND IS REVISED BY DELETING THE REFERENCES TO THE "*INTERNATIONAL RESIDENTIAL CODE (IRC)*", "*INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC)*", AND "*INTERNATIONAL WILDLAND-URBAN INTERFACE CODE (IWUIC)*";]

(2) Chapter 1 (Administration) of the *IFC*, is revised by deleting Section 105, and the related permit requirements of Sections 301.2, 308.2, **315.2, 608.2** [315.1, 601.2], 901.3, 1101.3, **1207.3.7.1(1)**, 2001.3, 2101.2, 2201.2, 2401.3, 2501.2, 2601.2, 2701.5, 2801.2, 2901.2, 3001.2, 2301.2, 3201.2, 3103.4, 3401.2, 3501.2, 3601.2, **3701.3**, 5001.5, 5101.2, [5201.3,] 5301.2, 5401.2, 5501.2, 5601.2, 5701.4, 5801.2, 5901.2, 6001.2, 6101.2, 6201.2, 6301.2, 6401.2, 6501.2, 6601.2, and 6701.2;

(3) in Chapter 2, Section 202 (General definitions) of the *IFC*, the definition of "airport" is revised by deleting "with an overall length greater than 39 feet (11887 mm) and an overall exterior fuselage width greater than 6.6 feet (2012 mm)";

(4) in Chapter 2, Section 202 (General definitions) of the *IFC*, the definition for

"occupancy classification", the introductory language of the sub-definition of "Educational Group E: Group E, day care facilities" is revised by adding a sentence at the end to read: "Family child care homes occupied as their primary residence (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 Section 907.2.11.2; (2) carbon monoxide detectors and alarms as specified in Section 908 adhering to AS 18.70.095; (3) means of egress requirements of Section 1003, including emergency escape and rescue openings, as required by Section 1029, in napping or sleeping rooms; and (4) fire extinguisher requirements as described in the *IFC*.";

(5) [IN CHAPTER 2, SECTION 202 (GENERAL DEFINITIONS) OF THE *IFC*, THE DEFINITION FOR "OCCUPANCY CLASSIFICATION", THE SUB-DEFINITION OF "INSTITUTIONAL GROUP I" IS REVISED BY ADDING A SENTENCE AT THE END TO READ: "A FACILITY IN THIS OCCUPANCY CLASSIFICATION THAT HAS OCCUPANTS WHO NEED PHYSICAL ASSISTANCE TO RESPOND IN EMERGENCY SITUATIONS MUST COMPLY WITH *IFC* SECTION 408.5 FOR A GROUP I-1 OCCUPANCY, *IFC* SECTION 408.6 FOR A GROUP I-2 OCCUPANCY, AND *IFC* SECTION 408.7 FOR A GROUP I-3 OCCUPANCY.";

(6) IN CHAPTER 2, SECTION 202 (GENERAL DEFINITIONS) OF THE *IFC*, THE DEFINITION FOR "OCCUPANCY CLASSIFICATION", THE SUB-DEFINITION OF "RESIDENTIAL GROUP R: RESIDENTIAL GROUP R-4" IS REVISED BY INSERTING A PARAGRAPH BEFORE THE LAST PARAGRAPH TO READ: "A FACILITY IN THIS OCCUPANCY CLASSIFICATION THAT HAS OCCUPANTS WHO NEED PHYSICAL

ASSISTANCE TO RESPOND IN EMERGENCY SITUATIONS MUST COMPLY WITH *IFC* SECTION 408.10.";

(7) CHAPTER 2, SECTION 202 (GENERAL DEFINITIONS) OF THE *IFC*, IS REVISED BY ADDING A NEW DEFINITION TO READ: "SKY LANTERN. AN UNMANNED DEVICE WITH A COMBUSTIBLE FUEL SOURCE THAT INCORPORATES AN OPEN FLAME IN ORDER TO MAKE THE DEVICE AIRBORNE.";

(8)] Chapter 3, Section 307.2 (Permit required) of the *IFC*, is revised to read: "Approval. The fire chief of a registered fire 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. An application, as required by the fire 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 that fire.";

(6) [(9) CHAPTER 3, SECTION 308.1.1 (WHERE PROHIBITED) OF THE *IFC*, IS REVISED BY ADDING A NEW SENTENCE AT THE END TO READ: "UNMANNED FREE-FLOATING DEVICES CONTAINING AN OPEN FLAME OR OTHER HEAT SOURCE, INCLUDING SKY LANTERNS, SHALL BE PROHIBITED.";

(10) CHAPTER 3, SECTION 308.1.6 (OPEN-FLAME DEVICES) OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 308.1.6.3 TO READ: "SECTION 308.1.6.3 SKY LANTERNS. NO PERSON SHALL RELEASE OR CAUSE TO BE RELEASED A SKY LANTERN OR OTHER UNMANNED FREE-FLOATING DEVICE CONTAINING AN OPEN FLAME.";

(11)] Chapter 3, Section 308.3 (Group A occupancies) of the *IFC*, is revised to

read: "308.3 Group A occupancies. 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.";

(7) [(12)] Chapter 3 of the *IFC* is revised by deleting Section 311.5 (Placards);

(8) Chapter 4, Section 403.4 Group E occupancies of the *IFC*, is revised by adding a new section 403.4.4 to read: "403.4.4 False Alarms. False alarms may not be counted as a fire drill for the purpose of this section.";

(9) Chapter 4, Section 403.9.2.1 (College and university buildings) of the *IFC*, is revised by adding a new section 403.9.2.1.3 to read: "403.9.2.1.3 False Alarms. False alarms may not be counted as a fire drill for the purpose of this section.";

(10) [(13)] Chapter 4, Section 405.2 (Frequency) of the *IFC*, is revised by adding a second sentence at the end of the section to read: "False alarms may not be counted as a fire drill for the purpose of this section.";

(11) [(14)] CHAPTER 4, SECTION 405 (EMERGENCY EVACUATION DRILLS) OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 405.10 TO READ:

"405.10 OCCUPANTS NEEDING PHYSICAL ASSISTANCE (GROUP I-1 AND R-4);  
APPLICABILITY. THE PROVISIONS OF THIS SECTION APPLY TO ALL GROUP I-1  
AND R-4 OCCUPANCIES WHERE THE OCCUPANTS NEED PHYSICAL ASSISTANCE  
FROM STAFF OR OTHERS TO RESPOND TO EMERGENCIES.

405.10.1 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 (i) WITHIN AN EXIT ENCLOSURE MEETING THE REQUIREMENTS OF *IFC* SECTION 1020; OR (ii) WITHIN ANOTHER PORTION OF THE BUILDING THAT IS SEPARATED BY SMOKE PARTITIONS MEETING THE REQUIREMENTS OF *INTERNATIONAL BUILDING CODE 2012 EDITION (IBC)* SECTION 710, AS ADOPTED BY REFERENCE, 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 THE *IFC* AND DOES NOT REQUIRE RETURN TO THE AREA OF THE FIRE.

405.10.2 FIRE DRILLS AND EVACUATION CAPABILITY DETERMINATION. THE INITIAL DETERMINATION OF EVACUATION CAPABILITY SHALL 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 SHALL BE MADE BY A FIRE CODE OFFICIAL, BASED ON A RECORD OF FIRE DRILLS CONDUCTED BY THE FACILITY STAFF. THE DRILLS SHALL 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.

405.10.3 EVACUATION CAPABILITY AND FIRE PROTECTION REQUIREMENTS. FIRE PROTECTION REQUIREMENTS OF A FACILITY UNDER SECTION 405.10 ARE AS FOLLOWS:

405.10.3.1 PROMPT EVACUATION CAPABILITY.

EVACUATION CAPABILITY OF THREE MINUTES OR LESS INDICATES PROMPT EVACUATION CAPABILITY. IN FACILITIES MAINTAINING PROMPT EVACUATION CAPABILITY, THE REQUIREMENTS OF THIS CODE FOR GROUP I-1 OR R-4 OCCUPANCIES MUST BE FOLLOWED.

405.10.3.2 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 *NFPA* 72; AND (b) AN AUTOMATIC SPRINKLER SYSTEM, WITH QUICK-RESPONSE OR RESIDENTIAL SPRINKLERS, INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.2 (*NFPA* 13R SPRINKLER SYSTEMS).

405.10.3.3 IMPRACTICAL EVACUATION CAPABILITY. EVACUATION CAPABILITY OF 14 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 405.10.3.2; (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 THREE FOOT SIX INCH WIDE DOOR; OR (ii) IF THE SLEEPING ROOMS ARE SEPARATED FROM THE REST OF THE BUILDING BY SMOKE PARTITIONS INSTALLED IN ACCORDANCE WITH *INTERNATIONAL BUILDING CODE (IBC)* SECTION 710, AS ADOPTED BY REFERENCE IN 13 AAC 50.020, BY EGRESS WINDOWS CONFORMING TO THE PROVISIONS OF *IFC* SECTION 1029.";

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

**(12)** [(16) CHAPTER 4, SECTION 408.3 (GROUP E OCCUPANCIES AND GROUP R-2 COLLEGE AND UNIVERSITY BUILDINGS) OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 408.3.5 TO READ: "408.3.5 FALSE ALARMS. FALSE ALARMS MAY NOT BE COUNTED AS A FIRE DRILL FOR THE PURPOSE OF THIS SECTION.";

(17)] Chapter 5, Section 501.3 (Construction documents) of the *IFC*, is revised by adding a second paragraph to read: "The fire chief of the registered department may require fire apparatus access roads, premises identification, key boxes, fire protection water supplies, fire protection and utility equipment identification and access, and emergency responder radio coverage in accordance with this chapter. Documentation shall be provided indicating that the fire chief has been involved in discussion regarding fire apparatus access roads, premises identification, key boxes, fire protection water supplies, fire protection and utility equipment identification and access, and emergency responder radio coverage.";

**(13) Chapter 6, Section 606.3.3.2 Grease accumulation of the *IFC*, is revised to read: "606.3.3.2 Grease accumulation. If during the inspection it is found that hoods, grease-removal devices, fans, ducts or other appurtenances have an accumulation of grease, those components shall be cleaned in accordance with *NFPA 96* or *ANSI/IFECA C10* for cleaning only."**;

**(14)** [(18) IN CHAPTER 6, SECTION 603.3.1 (FUEL OIL STORAGE IN OUTSIDE, ABOVE-GROUND TANKS) OF THE *IFC*, THE LAST SENTENCE IS REVISED TO READ: "THE STORAGE OF FUEL OIL ABOVE GROUND IN QUANTITIES EXCEEDING 660 GALLONS (2,498 L) SHALL COMPLY WITH *NFPA* 31 AND HAVE A MINIMUM DISTANCE TO THE NEAREST IMPORTANT BUILDING OF NOT LESS THAN FIVE FEET.";

(19) CHAPTER 7, SECTION 703.2.3 (DOOR OPERATION) OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 703.2.3.1 TO READ: "703.2.3.1 OPERATION. FIRE RATED 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 SECTION 1008.1.9.9 AND ITEM 5 OF THE *INTERNATIONAL BUILDING CODE (IBC)*, AS ADOPTED BY REFERENCE IN 13 AAC 50.020.";

(20)] Chapter 9, Section 901.4 (Installation) of the *IFC*, is revised by adding an exception to read: "Exception: Buildings temporarily closed due to seasonal operations may have their fire systems deactivated under the following conditions:

1. The building is unoccupied;
2. The 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 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.";

**(15)** [(21)] Chapter 9, Section 901.5 (Installation acceptance testing) of the *IFC*, is revised to read: "901.5 Installation acceptance testing. 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 *IFC* Table 901.6.1 for the system or appurtenance. Within 30 days after the completion of the installation, a copy of the acceptance test certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction. 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 fire chief. The fire chief must be notified before any required testing, and all results of the tests must be conveyed to the fire chief within 30 days.";

**(16)** [(22)] Chapter 9, Section 901.6 (Inspection, testing and maintenance) of the *IFC*, is revised by adding a second paragraph to read: "Superseding 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; and
6. After a seasonal shutdown.

Reports of inspections and tests must be maintained on the premises, and within 30 days after the inspection or test being completed, a copy of the test report must be forwarded by the person conducting the inspection or test to the fire code official. The annual fire extinguisher testing may be performed by any person who has a valid permit in accordance with 13 AAC 50.030(d) [13 AAC 50.030(h)].";

(17) [(23)] in Chapter 9, Section 901.7 (Systems out of service) of the *IFC*, the first sentence is revised to read: "Where a required fire protection system is out of service for more than eight hours in a 24-hour period, an impairment plan shall be submitted to the fire department and the fire code official immediately. Where required by the fire code official, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shutdown until the fire protection system has been returned to service.";

(18) [(24)] Chapter 9, Section 903.2.3 (Group E) of the *IFC*, is revised to read:

"903.2.3 Group E. An automatic sprinkler system must be provided throughout all buildings with Group E occupancies. The use of a fire wall or barrier does not establish a separate building or fire area for purposes of this section.

**As determined by the building official an automatic fire-extinguishing system approved under Section 904 shall be installed in a Group E occupancy in accordance with Section 903.2.3, whenever alterations or additions are made to an existing structure containing a Group E occupancy.**

Exception: Buildings with Group E occupancies having an occupant load of **50** [49] or less.

An automatic sprinkler system must also be provided for every portion of educational buildings below the level of exit discharge.

Family child care homes that are licensed to care for more than five persons between the hours of 10:00 p.m. and 6:00 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.";

**(19)** [(25)] Chapter 9, Section 903.2.8 of the *IFC*, is revised to read: "903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout buildings containing Group R occupancies as provided in this section.

903.2.8.1 Group R-1. An automatic sprinkler system shall be provided throughout all buildings that contain an R-1 occupancy.

[EXCEPTIONS:

1. HEALTH CLINICS WITH TRANSIENT QUARTERS MAY

UTILIZE AN *NFPA* 13R SPRINKLER SYSTEM THROUGHOUT THE BUILDING.

2. HEALTH CLINICS MAY UTILIZE AN *NFPA* 13D SPRINKLER SYSTEM IN THE SLEEPING UNIT ONLY, IF THE SLEEPING UNIT IS SEPARATED FROM THE BUILDING WITH A TWO HOUR FIRE BARRIER.]

903.2.8.2 Group R-2. An automatic sprinkler system shall be provided throughout all buildings that contain an R-2 occupancy.

Exceptions:

1. Buildings that are no more than two stories in height, including basements and contain four or fewer dwelling units.
2. Buildings that are no more than two stories in height, including basements and contain 16 or fewer sleeping rooms.

For the purpose of this section, fire walls may be used to create up to three separate attached buildings. Any additional buildings must be physically separated in accordance with *International Building Code (IBC)* Table 602, as adopted by reference in 13 AAC 50.020.

903.2.8.3 Group R-4. **A 13R** [AN] automatic sprinkler system shall be provided throughout all buildings that contain an R-4 occupancy.";

**(20)** [(26)] Chapter 9, Section 903.3.6 (Hose threads) of the *IFC*, is revised by deleting "the fire code official" and replacing it with "AS 18.70.084";

**(21)** [(27)] Chapter 9, Section 903.5 (Testing and maintenance) of the *IFC*, is revised by adding a new Section 903.5.1 to read: "903.5.1 **Camp** [MANCAMP] relocations. On



each portable or relocatable camp move, a plumber certified under AS 18.62 may disconnect and reconnect the fire suppression system. The **camp** [MANCAMP] must be certified by an appropriate fire suppression permit holder under AS 18.70.090 and 13 AAC 50.035 to provide documentation that the system has been placed back in service and is ready for operation. Fire suppression system certification documentation is to be retained on site and available for review upon request. Annual requirements are still required by this code as adopted by reference in 13 AAC 50.025.";

**(22)** [(28) CHAPTER 9, SECTION 903.6 (WHERE REQUIRED IN EXISTING BUILDINGS AND STRUCTURES) OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 903.6.1 TO READ: "903.6.1 GROUP E. AN APPROVED AUTOMATIC FIRE-EXTINGUISHING SYSTEM MUST BE INSTALLED IN A GROUP E OCCUPANCY IN ACCORDANCE WITH SECTION 903.2.3, AS REVISED, WHENEVER ALTERATIONS OR ADDITIONS ARE MADE TO AN EXISTING STRUCTURE CONTAINING A GROUP E OCCUPANCY.";

(29)] Chapter 9, Section 904.1 (General) of the *IFC*, is revised by adding a new sentence at the end of the paragraph to read: "Within 30 days after the completion of the installation, a copy of the acceptance test certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(23) Chapter 9, Section 904.13.5.2 (Extinguishing system service) of the *IFC*, is revised by replacing "not less frequently than every six months" with "annually";**

**(24)** [(30) CHAPTER 9, SECTION 904 OF THE *IFC*, IS REVISED BY ADDING A NEW SECTION 904.12 TO READ: "904.12 WATER-MIST FIRE-

EXTINGUISHING SYSTEMS. WATER-MIST FIRE-EXTINGUISHING SYSTEMS SHALL BE INSTALLED, MAINTAINED, AND PERIODICALLY INSPECTED AND TESTED IN ACCORDANCE WITH *NFPA 750* AND THEIR LISTING.";

(31)] Chapter 9, Section 906.1 (Where required) of the *IFC*, is revised by deleting the exception in item 1;

**(25)** [(32) CHAPTER 9, SECTION 907.2.3 (GROUP E) OF THE *IFC*, 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 907.2.11.2.";

(33)] Chapter 9, Section 907.2.3 (Group E) of the *IFC*, Exception 1 is revised by replacing "**50** [30]" with "49";

**(26)** [(34) CHAPTER 9, SECTION 907.2.3 (GROUP E) OF THE *IFC*, EXCEPTIONS IS REVISED BY ADDING A NEW EXCEPTION AT THE END TO READ: "4. EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS ARE NOT REQUIRED IN GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD OF 100 OR LESS.";

(35)] Chapter 9, Section 907.2.9 (Group R-2) of the *IFC*, is revised by adding Section 907.2.9.4 to read: "907.2.9.4 Remote **camps** [MANCAMPs]. Any **camp** [MANCAMP] that is located outside a fire department service area shall be equipped with an automatic smoke [OR FIRE] detection system that activates the occupant notification system in accordance with Section 907.5 throughout buildings that are used for sleeping purposes.";

**(27) Chapter 9, Section 907.2.11.2 (Groups E, R-2, R-3, R-4, and I-1) of the**

**IFC, is revised by adding a reference in the section heading to Group E, as indicated, and 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 this section.";**

**(28)** [(36) CHAPTER 9, SECTION 907.2.11 (SINGLE- AND MULTIPLE-STATION SMOKE ALARMS) OF THE IFC, 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 907.2.11.";

**(37)]** Chapter 9, Section **907.2.11.5** [907.2.11.3] (Interconnection) of the *IFC*, is revised by adding a new paragraph to read: "If more than 12 smoke alarms are interconnected the interconnecting means must be supervised in accordance with *NFPA 72*.";

**(29)** [(38)] Chapter 9, Section 907.7.2 (Record of completion) of the *IFC*, is revised by adding a second paragraph to read: "Within 30 days after the completion of the installation, a copy of the acceptance test certificate verifying completion in accordance with *NFPA 72* must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(30)** [(39)] Chapter 9, Section 907.8 (Inspection, testing and maintenance) of the *IFC*, is revised by adding a new Section 907.8.6 to read: "907.8.6 1 **Camp** [MANCAMP] relocations. On each portable or relocatable camp move, an electrician certified under AS 18.62 may disconnect and reconnect the fire alarm system. The **camp** [MANCAMP] must be certified by an appropriate fire system permit holder under AS 18.70.090 and 13 AAC 50.035 to provide

documentation that the system has been placed back in service and is ready for operation. System certification documentation is to be retained on site and available for review upon request. Annual requirements are still required under this code as adopted by reference in 13 AAC 50.025.";

**(31)** [(40)] Chapter 9, Section 909.18 (Acceptance testing) of the *IFC*, is revised by adding a new sentence at the end of the paragraph to read: "Within 30 days after the completion of the installation, a copy of the smoke control system acceptance testing certificate must be forwarded by the firm conducting the test to the division of fire and life safety or the deferred authority having jurisdiction.";

**(32)** [(41)] CHAPTER 9, SECTION 910.1 (GENERAL) OF THE *IFC*, IS REVISED BY DELETING EXCEPTION 2;

(42)] in Chapter 10, Section 1001.1 (General) of the *IFC*, the last sentence of the paragraph is revised by adding at the end "as governed by the provisions of AS 18.70.080";

**(33)** [(43)] Chapter 10, Section 1001.1 (General) of the *IFC*, is revised by deleting the exception;

**(34)** [(44)] Chapter 10, Table **1020.2** [1018.1] (Corridor fire-resistance rating) of the *IFC*, is revised by inserting a superscript "**e**" ["D"] footnote reference after "R" in the "occupancy" column and is revised by adding footnote "**e**" ["D"] to read: "R occupancies with an occupant load greater than 10 shall have one-hour rated corridors when the R occupancies are allowed to not have a sprinkler system and

1. serve four or fewer dwelling units or 16 or fewer sleeping rooms; and
2. are less than three stories in height.";

**(35)** [(45)] Chapter 10, Section **1031.2** [1029.1] (**Where required** [GENERAL]) of the *IFC*, is revised by **replacing** [CHANGING] the first sentence to read: "In addition to the means of egress required by this chapter provisions shall be made for emergency escape and rescue openings in Group R and I-1 occupancies.";

**(36)** [(46)] Chapter 10, Section **1031.2** [1029.1] (**Where required** [GENERAL]) of the *IFC*, is revised by deleting Exceptions 1 and 3;

**(37)** [(47)] CHAPTER 20, SECTION 2005 (PORTABLE FIRE EXTINGUISHERS) OF THE *IFC*, IS REVISED BY DELETING SECTION 2005.8;

**(48)**] Chapter 20, Section 2006.3 (Construction of aircraft-fueling vehicles and accessories) of the *IFC*, is revised by adding 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; and
3. Electrical bonding is provided as required under Section 2006.3.7.";

**(38)** [(49)] CHAPTER 23, SECTION 2306.2.3 (ABOVE-GROUND TANKS LOCATED OUTSIDE, ABOVE GRADE) OF THE *IFC*, IS REVISED BY ADDING ITEM 6 TO READ:

"6. 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 *IFC* TABLE 2306.2.3; AND

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 SIDES 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.";

(50) CHAPTER 23, SECTION 2306.7.7.1 (LEAK DETECTION) OF THE *IFC*, 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.";

(51)] Chapter 23, Section 2311.2.3 (Drainage and disposal of liquids and oil-soaked waste) of the *IFC*, is revised by adding a sentence at the end of the paragraph 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.";

**(39)** [(52)] in Chapter 31, Section 3103.2 (Approval required) of the *IFC*, the first sentence is revised to delete "a permit and";

**(40)** [(53)] Chapter 31, Section 3103.7 (Inspections) of the *IFC*, is revised by deleting "permit" and "permittee,";

**(41)** [(54)] Chapter 36, Section 3604.1 (General) of the *IFC*, is revised by adding an exception to read: "Exception: Public or private docks that are located in remote areas where land based fire protection is not available.";

**(42)** [(55)] Chapter 50, Section 5001.6 (Facility closure) of the *IFC*, is revised by adding new sentences at the end of the paragraph to read: "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 5001.6.3. The fire chief may require the submission of the Hazardous Materials Management Plan and Hazardous Materials Inventory Statement indicated in Sections 5001.5.1 and 5001.5.2.";

**(43)** [(56)] CHAPTER 53 (COMPRESSED GASES) OF THE *IFC* IS REVISED BY ADDING A NEW SECTION 5308 TO READ:

"SECTION 5308

CARBON DIOXIDE (CO<sub>2</sub>) SYSTEMS USED IN BEVERAGE DISPENSING  
APPLICATIONS

5308.1 GENERAL. CARBON DIOXIDE SYSTEMS WITH MORE THAN 100 POUNDS (45.4 KG) OF CARBON DIOXIDE USED IN BEVERAGE DISPENSING APPLICATIONS SHALL COMPLY WITH SECTIONS 5308.2 THROUGH 5308.4.2.

5308.2 EQUIPMENT. THE STORAGE, USE, AND HANDLING OF LIQUID

CARBON DIOXIDE SHALL BE IN ACCORDANCE WITH CHAPTER 53 AND THE APPLICABLE REQUIREMENTS OF *NFPA 55*, CHAPTER 13. INSULATED LIQUID CARBON DIOXIDE SYSTEMS SHALL HAVE PRESSURE RELIEF DEVICES VENTED IN ACCORDANCE WITH *NFPA 55*.

5308.3 PROTECTION FROM DAMAGE. CARBON DIOXIDE SYSTEMS SHALL BE INSTALLED SO THE STORAGE TANKS, CYLINDERS, PIPING, AND FITTINGS ARE PROTECTED FROM DAMAGE BY OCCUPANTS OR EQUIPMENT DURING NORMAL FACILITY OPERATIONS.

5308.4 REQUIRED PROTECTION. WHERE CARBON DIOXIDE STORAGE TANKS, CYLINDERS, PIPING, AND EQUIPMENT ARE LOCATED INDOORS, ROOMS OR AREAS CONTAINING CARBON DIOXIDE STORAGE TANKS, CYLINDERS, PIPING, AND FITTINGS AND OTHER AREAS WHERE A LEAK OF CARBON DIOXIDE CAN COLLECT SHALL BE PROVIDED WITH EITHER VENTILATION IN ACCORDANCE WITH SECTION 5308.4.1 OR AN EMERGENCY ALARM SYSTEM IN ACCORDANCE WITH SECTION 5308.4.2.

5308.4.1 VENTILATION. MECHANICAL VENTILATION SHALL BE IN ACCORDANCE WITH THE *INTERNATIONAL MECHANICAL CODE (IMC)*, AS ADOPTED BY REFERENCE IN 13 AAC 50.023, AND SHALL COMPLY WITH ALL OF THE FOLLOWING:

1. MECHANICAL VENTILATION IN THE ROOM OR AREA SHALL BE AT A RATE OF NOT LESS THAN 1 CUBIC FOOT PER MINUTE PER SQUARE FOOT  $[0.00508 \text{ M}^3/(\text{SXM}^2)]$ .



2. EXHAUST SHALL BE TAKEN FROM A POINT WITHIN 12 INCHES (305 MM) OF THE FLOOR.

3. THE VENTILATION SYSTEM SHALL BE DESIGNED TO OPERATE AT A NEGATIVE PRESSURE IN RELATION TO THE SURROUNDING AREA.

5308.4.2 EMERGENCY ALARM SYSTEM. AN EMERGENCY ALARM SYSTEM SHALL COMPLY WITH ALL OF THE FOLLOWING:

1. CONTINUOUS GAS DETECTION SHALL BE PROVIDED TO MONITOR AREAS WHERE CARBON DIOXIDE CAN ACCUMULATE.

2. THE THRESHOLD FOR ACTIVATION OF AN ALARM SHALL NOT EXCEED 5,000 PARTS PER MILLION (9,000 MG/M<sup>3</sup>).

3. ACTIVATION OF THE EMERGENCY ALARM SYSTEM SHALL INITIATE A LOCAL ALARM WITHIN THE ROOM OR AREA IN WHICH THE SYSTEM IS INSTALLED.";

(57)] Chapter 56, Section 5601.1 (Scope) of the *IFC*, is revised to insert "and AS 18.72" after "The provisions of this chapter";

**(44)** [(58)] Chapter 56, Section 5601.1.3 (Fireworks) of the *IFC*, is revised, with the exceptions remaining, to read: "The storage, use, and handling of fireworks is prohibited except as allowed in this section and AS 18.72.";

**(45)** [(59)] Chapter 56, Section 5601.1 (Scope) of the *IFC*, is revised by adding a new Section 5601.1.6 to read: "5601.1.6 Permit required. No person shall sell fireworks, possess, or transport fireworks for sale, conduct a fireworks display described in Section 5608, 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.";

**(46)** [(60)] Chapter 56 of the *IFC* is revised by deleting Section 5601.2 (Permit required), Section 5601.2.4 (Financial responsibility), and Section 5601.2.4.2 (Fireworks display);

**(47)** [(61)] Chapter 56, Section 5601.2.2 (Sale and retail display) of the *IFC*, is revised by deleting the words "explosives, explosive materials or fireworks" and inserting in their place "explosives and explosive materials";

**(48)** [(62)] Chapter 56, Section 5608 of the *IFC*, is revised by changing the section heading to read: "FIREWORKS RETAIL SALES AND DISPLAYS";

**(49)** [(63)] Chapter 56, Section 5608.1 (General) of the *IFC*, is revised by adding a second paragraph to read: "Retail sales of salable fireworks must comply with Section 5608.11.";

**(50)** [(64)] Chapter 56, Section 5608.2 (Permit application) of the *IFC*, is revised to read: "5608.2 Permit application. (a) The following licenses or permits are required to conduct activity described in Section **105.5.16** [105.6.14] (Explosives):

(1) a wholesaler's license, as described in AS 18.72, to sell, or possess for sale, 1.4G or 1.3G fireworks at wholesale;

**(i) only the holder of a permit and endorsement under**

**AS 18.72.020 and this code may purchase saleable fireworks from a licensed wholesaler and sell or offer for sale those fireworks.**

(2) a retailer's permit **and endorsement**, as described in **AS 18.72.020** **and this code** [AS 18.72], for each location where the applicant intends to sell, or possess for sale, 1.4G fireworks at retail;

(3) a pyrotechnic operator's permit to conduct a fireworks display or non-routine testing of 1.3G fireworks, or to possess fireworks for display or non-routine testing of 1.3G fireworks;

(4) a fireworks event permit for each event involving public or private display of any amount of 1.3G fireworks or 250 gross pounds (113.4 kg) of salable fireworks; or

(5) an annual permit for routine testing of 1.3G fireworks.

(b) A license, **endorsement**, or permit under (a)(1) - (4) of this section must be obtained from the division of fire and life safety. A permit under (a)(5) of this section may be obtained from the division of fire and life safety or, on a form approved by the state fire marshal, from the fire 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 section must be received by the division of fire and life safety 14 days before the activity is scheduled to occur. A permit under (a)(5) of this section must be issued before the routine testing occurs.

(d) Applications for a license or permit must include

(1) for a license, **endorsement**, or permit under (a)(1) or (2) of this section, 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) of this section, 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 section or for a fireworks event permit under (a)(4) of this section 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 section 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 or permitted pyrotechnic operator in six displays in this state for which the division of fire and life safety has issued a permit under (a)(4) of this section, 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 section or for a testing permit under (a)(5) of this section must hold a valid pyrotechnic operator's permit under (a)(3) of this section.";

**(51)** [(65)] Chapter 56, Section 5608.2 (Permit application) of the *IFC*, is revised by adding a new Section 5608.2.3 to read: "5608.2.3 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 **suspend or** revoke a permit or license if

1. the permittee or licensee fails to comply with a notice of violation and

order to correct on or before 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 **suspended or** revoked, the permittee or licensee may file a written appeal to the state fire marshal, who will review the **suspension or** 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.";

**(52)** [(66)] Chapter 56, Section 5608.6 (Installation of mortars) of the *IFC*, is revised by adding a new Section 5608.6.1 to read: "5608.6.1 Mortar construction. Mortars must be constructed of paper, high density plastic pipe, or metal other than cast iron.";

**(53)** [(67)] Chapter 56, Section 5608 of the *IFC*, is revised by adding a new Section 5608.11 to read: "5608.11 Retail sale of salable fireworks. Retail sales of salable fireworks as described in AS 18.72 must be conducted in accordance with this section.

5608.11.1 Dedicated structure or stand. Salable fireworks may be sold only from a dedicated structure or stand that has exits meeting the requirements of Chapter 10 of the *International Building Code (IBC)*, as adopted by reference in 13 AAC 50.020.

Exception: Structures meeting the criteria of Group H-1 occupancy as

established by the *IBC* are exempt from the requirements of Section 5608.11.1.

5608.11.2 Fire extinguishers. Portable fire extinguishers that meet the criteria of Section **906.3** [906.2] must be provided.

5608.11.3 Placard. A placard setting out the language of AS 41.15.070, 41.15.140, and 41.15.160 must be prominently displayed.

5608.11.4 Sales. The sale of salable fireworks may not take place within 250 feet of a place of residence or public assembly.

5608.11.5 Special fireworks. Special fireworks (1.3) may not be stored or offered for sale at a retail sales location.

5608.11.6 Use or discharge. Fireworks of any class may not be used or discharged within 250 feet (76.2 m) of a retail sales location.

5608.11.7 Right-of-way. Retail sales locations may not be located on a highway or utility right-of-way.

5608.11.8 Display of permit or license. The retail sales permit or license must be conspicuously displayed at the sales location.

5608.11.9 Age of employee. A person under the age of 18 years may not be employed where fireworks are sold or stored.

5608.11.10 Age of purchaser. Fireworks may not be sold to person under the age of 18 years.

5608.11.11 Prohibition. Fireworks may not be sold to a person who is or appears to be intoxicated or otherwise chemically impaired.

5608.11.12 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 Section 5608.11.12, 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 Section 5604.3.2.

5608.11.13 Permitted sales location. All 1.4G fireworks must be sold from the location specified in the permit application.

5608.11.14 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 high/extreme or depleted resources.";

**(54)** [(68)] Chapter 57, Section 5704.3.5 (Storage in control areas) of the *IFC*, is revised by deleting Section 5704.3.5.1 (Basement storage);

**(55)** [(69)] Chapter 57, Section 5706.3 (Well drilling and operating) of the *IFC*, is revised by adding a second sentence to read: "This section does not apply to offshore oil platforms.";

**(56)** [(70)] Chapter 58, Section 5801 (General) of the *IFC*, is revised by adding a new Section 5801.3 to read: "5801.3 Plan review. Where a single container is over 500-gallon

(1,892.7 L) water capacity or the aggregate capacity of containers is over 500-gallon (1,892.7 L) water capacity, the installer shall submit plans for review before installation in accordance with 13 AAC 50.027.";

**(57)** [(71) CHAPTER 80 (REFERENCED STANDARDS) OF THE *IFC* IS REVISED BY ADDING THE FOLLOWING EDITION OF THE REFERENCED STANDARD, AND THE STANDARD IS ADOPTED BY REFERENCE:

*NFPA 2010: STANDARD FOR FIXED AEROSOL FIRE-EXTINGUISHING SYSTEMS 2015 EDITION (NFPA 2010-15);*

(72)] the appendices of the *IFC* are amended by adding Appendix **KK** [K] to read:

"APPENDIX **KK** [K]

FIRE STATUS REPORTING

**KK101** [K101] Scope. All fire service companies providing services in this state shall provide a legible copy of all fire system service reports to the authority having jurisdiction or closest state division of fire and life safety office as adopted and amended in the *IFC* **2021** [2012] Edition as listed in this appendix.

**KK102** [K102] Status 1. Systems out of service or major deficiencies. The fire service company shall immediately contact the authority having jurisdiction or closest state division of fire and life safety office if the system cannot be returned to service. On a weekend or after hours, contact the authority having jurisdiction or closest state division of fire and life safety office on the first business day. Written notification shall be sent by facsimile transmission to the authority having jurisdiction or closest state division of fire and life safety office within 24 hours.



Register 244, January 2023

## PUBLIC SAFETY

Notification may be made by electronic mail.

**KK102.1** [K102.1] Corrective action time. Status 1 **systems** [REPORTS] shall be repaired immediately.

**KK102.1.1** [K102.1.1] For example but not limited to

**KK102.1.1.1** [K102.1.1.1] Fire sprinkler or water based systems:

1. Non-working flow/pressure switches.
2. Damage to fire department connections.
3. No water to system.
4. Frozen or otherwise damaged system.

**KK102.1.1.2** [K102.1.1.2] Fire pumps:

1. Non-working fire pumps.
2. Fire pump controls not working or malfunctioning.

**KK102.1.1.3** [K102.1.1.3] Fire alarm systems (detection and alarm):

1. Non-working fire alarm panel.
2. Malfunctioning fire alarm panel.
3. Audio and visual devices not working entire loop.
4. Detection not working entire detection loop.
5. Loss of programming.

**KK102.1.1.4** [K102.1.1.4] Kitchen hood fire systems:

1. System cylinder is not charged or leaking.
2. Appliance not properly covered due to rearrangement of

appliances.

3. Plugged discharge nozzles.
4. Automatic detection not functional.
5. Gas or electric not shutting down.

**KK102.1.1.5** [K102.1.1.5] Clean agent or special hazard system:

1. System cylinder is not charged or leaking.
2. Releasing panel not functional.

**KK103** [K103] Status 2. Critical deficiencies. If systems have critical deficiency reports, the critical deficiency reports shall be provided to the authority having jurisdiction or closest state division of fire and life safety office within 14 days.

**KK103.1** [K103.1] Corrective action time. Status 2 systems shall be repaired within 14 days.

**KK103.1.1** [K103.1.1] For example but not limited to

**KK103.1.1.1** [K103.1.1.1] Fire sprinkler or water based system:

1. Five or more painted sprinkler heads in a concentrated area or more than 10 in a facility.
2. Change of use that will affect the performance of the sprinkler system.
3. Low water pressure.
4. No monitoring on required systems.
5. Any other major problem that will affect the performance.

**KK103.1.1.2** [K103.1.1.2] Fire pumps:

1. Low fuel
2. Pump packing leaking beyond specifications
3. Fire pump room below 40 degrees.
4. Fire pump not meeting its rated discharge pressure or GPM flow over a 10 percent difference.
5. Any other major problem that will affect the performance.

**KK103.1.1.3** [K103.1.1.3] Fire alarm systems (detection and alarm):

1. Batteries overdue for replacement.
2. No monitoring on required system.
3. Audio and visual devices not working - up to three devices, over three devices Status 1.
4. Detection not working - up to three devices, over three devices Status 1.
5. Any other major problem that will affect the performance.

**KK103.1.1.4** [K103.1.1.4] Kitchen hood fire systems:

1. Hood and ducts with heavy grease buildup.
2. Any other major problems that will affect the performance.

**KK104** [K104] Status 3. Minor deficiencies. Minor deficiency reports shall be provided to the authority having jurisdiction or closest state division of fire and life safety office within 30 days. These deficiencies will not affect the performance of the system.

**KK104.1** [K104.1] Corrective action time. Status 3 systems shall be repaired within 30 days.

**KK105** [K105] Status 4. No deficiencies. Systems with no deficiencies shall be reported to the authority having jurisdiction or closest state division of fire and life safety office within 30 days.

**KK105.1** [K105.1] Information to be provided. System service reports shall have the following information as follows:

1. The inspection company name shall be printed on all reports with the company's address and telephone number.

2. The inspector's first and last name shall be printed with the permit number of the inspector's fire systems permit required under AS 18.70.090 and 13 AAC 50.035.

3. The inspector's office telephone number shall be printed, and the inspector's cellular telephone number, if available, shall also be printed.

4. Deficiencies shall be typed or written and shall be printed text. No cursive or longhand handwriting is acceptable. Typed reports shall use at least 10 point font and handwritten reports shall use at least 3/8 inch spacing between lines.

5. All reports shall have the building name, occupancy inspected, and address clearly identified on the first page, and all subsequent pages shall have the

building name and date of inspection on the top of the page.

6. All reports shall have the building contact person's name with telephone number on the front page.

7. Only white and yellow copies will be accepted by the state division of fire and life safety for reports submitted.

8. Deficiency write ups must include the code citation that is in violation and a description of the problem.

Items having minor deficiencies shall be **submitted by electronic mail** [MAILED] to **dps.fire.systems@alaska.gov**

[DEPARTMENT OF PUBLIC SAFETY

STATE DIVISION OF FIRE AND LIFE SAFETY

5700 E. TUDOR ROAD, ANCHORAGE, AK 99507; PHONE 907-269-5637, FAX 907-269-5018

1979 PEGER ROAD, FAIRBANKS, AK 99709; PHONE 907-451-5200, FAX 907-451-5218

2760 SHERWOOD LANE, SUITE 2-B, JUNEAU, AK 99801; PHONE 907-465-4331 FAX 907-465-5521]

Systems out of service and those with major deficiencies shall have a report **submitted by electronic mail or facsimile transmission** [FAXED] to the authority having jurisdiction or closest state division of fire and life safety office [AND MAILED IMMEDIATELY] within one day [TO THE ADDRESS LISTED IN THIS APPENDIX].

**Electronic mail: dps.fire.systems@alaska.gov**

**Fax: 907-269-5018**

Register 244, January 2023 PUBLIC SAFETY

(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; am 9/12/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10/28/2022, Register 244)

**Authority:** AS 18.70.080

**Editor's note:** 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, under AS 18.60.010 - 18.60.105, 8 AAC 61.1010 (occupational safety and health standards), and 8 AAC 61.1020 (additional explosive and blasting standards); and AS 08.52 and 8 AAC 62 (explosives handlers).

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

Copies of the *International Fire Code* 2021 [2012] Edition (*IFC*) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452 [(888) 422-7233]; Internet address: [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(c)(1) is amended to read:

(1) upon application for a plan review, a plan review fee must be paid to the State of Alaska; the plan review fee is established by the *International Building Code (IBC)* Section 109 [108], adopted by reference in 13 AAC 50.020; the value of the proposed construction will be determined by the division of fire and life safety 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 division of fire and life safety cannot determine project value using the valuation schedule or the construction estimate, an hourly fee of \$75 per hour or fraction of an hour will be charged; the minimum review fee for industrial use facilities, including oil, gas, and mining facilities, is \$1,000; the plan review fee for home day cares is \$100; the plan review fee for a relocation review is \$150; the minimum fee for other uses requiring administrative approval, such as impairments, code modifications, foundations, [RELOCATION,] and framings, is \$150;

13 AAC 50.027(c)(6) is repealed and readopted to read:

(6) the division of fire and life safety shall determine value of the proposed construction using the valuation schedule set out in this paragraph, as follows:

Valuation Schedule Group 2021 International Building Code

Valuation Schedule 2021		Square Foot Construction Costs - Types of Construction									
Group	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB		
A-1 Assembly, theaters, with stage	298.55	288.43	280.93	269.54	253.09	245.77	260.87	235.34	226.84		
A-1 Assembly, theaters, without stage	273.51	263.39	255.89	244.51	228.06	220.73	235.84	210.31	201.80		
A-2 Assembly, nightclubs	233.39	226.42	220.85	211.80	199.64	194.14	204.26	180.65	174.48		
A-2 Assembly, restaurants, bars, banquet halls	232.39	225.42	218.85	210.80	197.64	193.14	203.26	178.65	173.48		
A-3 Assembly, churches	276.84	266.72	259.22	247.83	231.83	225.68	239.17	214.08	205.57		
A-3 Assembly, general, community halls, libraries, museums	231.62	221.50	213.00	202.61	185.16	178.84	193.94	167.42	159.91		
A-4 Assembly, arenas	272.51	262.39	253.89	243.51	226.06	219.73	234.84	208.31	200.80		
B Business	240.93	232.14	224.41	213.38	194.94	187.44	204.97	171.50	163.65		
E Educational	253.16	244.50	238.07	227.82	212.65	201.92	219.97	185.88	180.09		
F-1 Factory and industrial, moderate hazard	142.51	135.81	128.20	123.31	110.6	105.3	118.0	91.13	85.44		
F-2 Factory and industrial, low hazard	141.51	134.81	128.20	122.31	110.6	104.3	117.0	91.13	84.44		
H-1 High Hazard, explosives	133.05	126.35	119.7	113.85	102.4	96.14	108.5	82.95	N.P.		
H234 High Hazard	133.05	126.35	119.7	113.85	102.4	96.14	108.5	82.95	76.26		
H-5 HPM	240.93	232.14	224.41	213.38	194.94	187.44	204.97	171.50	163.65		
I-1 Institutional, supervised environment	240.35	232.11	225.21	216.12	198.77	193.28	216.40	178.22	172.87		
I-2 Institutional, hospitals	403.60	394.81	387.08	376.05	356.54	N.P.	367.65	333.11	N.P.		
I-2 Institutional, nursing homes	280.29	271.50	263.77	252.74	235.00	N.P.	244.34	211.57	N.P.		
I-3 Institutional, restrained	273.98	265.19	257.46	246.43	229.58	221.08	238.03	206.14	196.29		
I-4 Institutional, day care facilities	240.35	232.11	225.21	216.12	198.77	193.28	216.40	178.22	172.87		
M Mercantile	174.08	167.12	160.55	152.50	140.10	135.60	144.96	121.12	115.94		
R-1 Residential, hotels	242.77	234.53	227.63	218.55	200.90	195.42	218.82	180.35	175.00		
R-2 Residential, multiple family	203.34	195.11	188.20	179.12	162.64	157.15	179.40	142.08	136.73		
R-3 Residential, one- and two-family <sup>d</sup>	189.34	184.22	179.47	175.04	169.94	163.79	172.07	157.66	148.33		
R-4 Residential, care/assisted living facilities	240.35	232.11	225.21	216.12	198.77	193.28	216.40	178.22	172.87		
S-1 Storage, moderate hazard	132.05	125.35	117.7	112.85	100.4	95.14	107.5	80.95	75.26		



Register 244, January 2023 PUBLIC SAFETY

S-2 Storage, low hazard	131.05	124.35	117.7	111.85	100.4	94.14	106.5	80.95	74.26
U Utility, miscellaneous	104.03	98.14	92.46	88.40	79.71	73.77	84.55	62.84	59.88

N.P. = not permitted

Register 244, January 2023 PUBLIC SAFETY

(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; am 9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 /20 /2017, Register 244)

**Authority:** AS 18.70.080 AS 18.70.090

13 AAC 50.030 is repealed and readopted to read:

**13 AAC 50.030. Fire protection systems (installed and portable).** (a) Fire extinguishing systems, fire detection 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) Single-station smoke detection devices as required by AS 18.70.095 must meet the requirements of *NPFA* Standard 72-2019, as adopted by reference and, at a minimum, must be installed in accordance with *IBC* Section 907.2.11 and the standards of this subsection. Smoke detectors may be solely battery operated when installed in existing buildings built before January 1, 1989, 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 a nationally recognized testing laboratory and accepted by the United States Occupational Safety and Health

Administration such as Underwriters' Laboratories, Inc., or Factory Mutual, Inc

(c) An automatic fire detection system required by AS 18.70.082 must, at a minimum, be installed to meet the requirements of *IFC* Section 907.

(d) 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 Technician I permit must pass a written examination given by the state fire marshal in order to qualify for a permit; the applicant's application will be reviewed within 10 working days from the date of submittal of the application; the applicant will be notified by electronic mail or telephone if more information is required; the state fire marshal will issue the permit within 10 working days after the applicant successfully passes the examination;

(2) each applicant for a Fire Extinguisher Technician II permit must pass the International Code Council/National Association of Fire Equipment Distributors FK Certified Portable Fire Extinguisher Technician test; the applicant's application will be reviewed within 10 working days from the date of submittal of the application; the applicant will be notified by electronic mail or telephone if more information is required; the state fire marshal will issue the permit within 10 working days after the applicant successfully passes the test;

(3) a permit endorsed with the type of qualification will be issued to each qualified person for Fire Extinguisher Technician I and II;

(4) 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;

(5) permits are classified and defined as follows:

(A) Fire Extinguisher Technician I - inspect, recharge, distribute, and maintain portable fire extinguishers;

(B) Fire Extinguisher Technician II - inspect, recharge, distribute, maintain, and hydrostatic test portable fire extinguishers;

(6) 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 for Fire Extinguisher Technician I and II;

(7) documentation for monthly inspections will consist of the person's signature on the extinguisher inspection tag or appropriately documented in accordance with electronic monitoring and inspection methods as adopted by *NFPA 10-2021*; it is the responsibility of the employer to provide training and documentation to enable the employer's personnel to conduct monthly inspection and non-invasive maintenance of portable fire extinguishers;

(8) if an individual is involved in the maintenance of a fire extinguisher and does not possess a required permit, the state fire marshal may order work stopped by service of an order in writing in accordance with 13 AAC 50.070;

(9) the state fire marshal or fire extinguisher permit program manager will provide written notice to a permit holder at least 10 days before an action to revoke or suspend a permit; the state fire marshal or fire extinguisher permit program manager may revoke or

suspend a permit

(A) 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);

(B) 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;

(C) based upon documented and repeated violations of 13 AAC 50 - 13 AAC 55 by a permit holder; or

(D) for other good cause found by the state fire marshal or fire extinguisher permit program manager;

(10) 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;

(11) 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 from the date of the order;

(12) If the state fire marshal or the fire systems permit program manager issues an order of suspension or revocation, the permit holder may, within seven days after receiving the order, file a written appeal to the state fire marshal; within 10 days after receiving the appeal, the state fire marshal will 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

Register 244, January 2023

## PUBLIC SAFETY

order; the state fire marshal's decision on an appeal under this subsection is a final order of the department for purposes of AS 18.70.100. (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; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244 )

**Authority:** AS 18.70.010                      AS 18.70.085                      AS 18.70.095  
AS 18.70.080                      AS 18.70.090

**Editor's note:** Copies of the NFPA 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)

Copies of the *International Fire Code* 2021 [2012] Edition (IFC) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452 [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

Copies of the *International Building Code* 2021 [2012] Edition (IBC) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452 [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

13 AAC 50.035 is repealed and readopted to read:

**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. A plumber holding a certificate of fitness under AS 18.62 and certified by the manufacturer of the system may perform multi-purpose residential suppression system installations conforming to *NFPA 13D* (2019 edition) or *IRC P2904*. Notwithstanding the requirements of this subsection,

(1) owner maintenance may be performed without a permit; and

(2) 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 if the final acceptance test and certification of the system is conducted by a qualified person who holds a valid permit under this section.

(b) 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.

(c) A permit issued under this section expires three years from the 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 division of fire and life safety on forms provided by the division and a minimum of 15

documented credit unit hours of continuing education over the course of the permit being renewed. Continuing education credit units are based on an hour-for-hour formal training conducted within the permit type being renewed. However, instead of 15 documented continuing education units for renewal, an applicant for a state Class IB-Special permit described in (f)(3) of this section must provide a current electrician journeyman license for this state and a certificate of fitness under AS 18.62.

(d) A company must employ at least one permit holder who holds a permit in the classifications specified in (e) 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.

(e) A permit holder may, within the scope of the permit holder's permit classification as defined in (f) 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.

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



- (1) Class IA: limited to the maintenance and testing of fire alarm signaling systems and related devices;
- (2) Class IB: limited to the installation, maintenance, and testing of fire alarm signaling systems and related devices;
- (3) Class IB-Special: limited to the installation of fire alarm signaling systems and related devices;
- (4) Class IC: limited to the design, installation, maintenance, and testing of fire alarm signaling systems and related devices;
- (5) Class IC-DO: limited to the design of fire alarm signaling systems and related devices;
- (6) Class IIA: 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;
- (7) Class IIB: 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;
- (8) Class IIC: 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;
- (9) Class IIC-DO: limited to the design of water fire sprinkler and standpipe systems beginning at the point the water supply is used exclusively for the fire suppression system;

(10) Class IIIA: limited to the maintenance and testing of special hazard systems;

(11) Class IIIB: limited to the installation, maintenance, and testing of special hazard systems;

(12) Class IIIC: limited to the design, installation, maintenance, and testing of special hazard systems;

(13) Class IIIC-DO: limited to the design of special hazard systems;

(14) Class IV: limited to the installation, maintenance, and testing of pre-engineered dry and wet chemical fire suppression systems for restaurant and commercial hoods, ducts and associated cooking appliances.

(g) 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 division of fire and life safety; the permit will be issued within 10 working days from the date of submittal of a complete packet; a complete packet consists of the division of fire and life safety application form and supporting documents; the applicant will be notified by electronic mail and telephone before 10 working days if more information is required;

(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 IA: have

(i) not less than two years cumulative experience in the fire alarm signaling system business; and

(ii) passed the examination for NICET II certification elements in

fire alarm systems or the equivalent;

(B) Class IB:

(i) have not less than two years cumulative experience in the fire alarm signaling systems business;

(ii) be employed in a position of supervisory responsibility for the installation, maintenance, and testing of fire alarm signaling systems; and

(iii) have passed the examination for NICET II certification elements in fire alarm systems or the equivalent;

(C) Class IB-Special:

(i) have completed an approved electrical apprentice program;

(ii) be a current journeyman electrician in this state under AS 18.60.580 and AS 18.62; and

(iii) not hold a position of supervisory responsibility;

(D) Class IC:

(i) have not less than five years cumulative experience in the fire alarm signaling systems business;

(ii) 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

(iii) have passed the examination for NICET III certification elements in fire alarm systems or the equivalent;

(E) Class IC-DO:

(i) have not less than five years cumulative experience in the design of fire alarm signaling systems business;

(ii) be employed in a position of supervisory responsibility for the design of fire signaling systems; and

(iii) have passed the examination for NICET III certification elements in fire alarm systems or the equivalent;

(F) Class IIA:

(i) have not less than two years cumulative experience in the water-based fire suppression system business; and

(ii) have passed the examination for NICET II certification elements in automatic sprinkler systems or the equivalent;

(G) Class IIB:

(i) have not less than two years cumulative experience in the water-based fire suppression system business;

(ii) be employed in a position of supervisory responsibility for the installation, maintenance, and testing of water-based fire suppression systems; and

(iii) have passed the examination for NICET II certification elements in inspection and testing of water based systems or the equivalent;

(H) Class IIC:

(i) have not less than five years cumulative experience in the water-based fire suppression system business;

(ii) 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

(iii) have passed the examination for NICET III certification elements in automatic sprinkler systems or the equivalent;

(I) Class IIC-DO:

(i) have not less than five years cumulative experience in the design of water-based fire suppression system business;

(ii) be employed in a position of supervisory responsibility for the design of sprinkler systems; and

(iii) have passed the examination for NICET III certification elements in automatic sprinkler systems layout or the equivalent;

(J) Class IIIA:

(i) have not less than two years cumulative experience in the special hazard systems business; and

(ii) have passed the examination for NICET II certification elements in special hazard systems or the equivalent;

(K) Class IIIB:

(i) have not less than two years cumulative experience in the special hazard systems business;

(ii) be employed in a position of supervisory responsibility for the installation, maintenance, and testing of special hazard systems; and

(iii) have passed the examination for NICET II certification elements in special hazard systems or the equivalent;

(L) Class IIIC:

(i) have not less than five years cumulative experience in the special hazard systems business;

(ii) be employed in a position of supervisory responsibility for the preparation of technical documents and the maintenance and testing of special hazard systems; and

(iii) have passed the examination for NICET III certification elements in special hazard systems or the equivalent;

(M) Class IIIC-DO:

(i) have not less than five years cumulative experience in the design of special hazard system business;

(ii) be employed in a position of supervisory responsibility for the design of special hazard systems; and

(iii) have passed the examination for NICET III certification elements in special hazard systems layout or the equivalent;

(N) 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 II or the equivalent, or the International Code Council/National Association of Fire Equipment

Distributors FK Pre-engineered Kitchen Fire Extinguishing System Technician

Certification test;

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

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

(h) 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 may order work stopped by service of an order in writing in accordance with 13 AAC 50.070.

(i) The state fire marshal or fire systems permit program manager will provide written notice to a permit holder at least 10 days before an action to revoke or suspend a permit. The fire marshal or fire systems permit program manager may 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 and repeated violations of 13 AAC 50 - 13 AAC 55 by a permit holder; or

(4) for other good cause found by the state fire marshal or fire extinguisher permit program manager.

(j) 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;

(k) 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 from the date of the order.

(l) If the state fire marshal or the fire systems permit program manager issues an order of suspension or revocation, the permit holder may, within seven days after receiving the order, file a written appeal to the state fire marshal. Within 10 days after receiving the appeal, the state fire marshal will 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 for purposes of AS 18.70.100.

(m) 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, specification development, consultation, evaluation, and project management as it relates to the permit;

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

(C) maintenance; or



(D) inspection;

(2) "design" means the preparation of detailed drawings of fire alarm detection, signaling, or fire suppression systems and the calculations and specifications for those systems completed in accordance with the requirements of 13 AAC 50 - 13 AAC 55, including the direction or performance of fire protection system surveys, consultation, investigation, evaluation, preparation of technical design documents, specification development, project management, planning, observation of construction, and the organizational and economic aspects of these activities as it relates to the permit;

(3) "direct oversight and supervision" means that a company must have sufficient personnel on site with appropriate permits to inspect and certify that work being performed on systems is in compliance with applicable laws, product listings, and manufacturer's installation instructions for each phase of installation and at the functional checkout and commissioning of the system;

(4) "equivalent" means relevant formally approved experience and training in the design, installation, or maintenance of fire protection systems; whether that experience and training is substantially equivalent or more is

(A) determined by the state fire marshal; and

(B) achieved primarily through

(i) union apprenticeship recognized by the division of fire and life safety;

(ii) a college or industry trade programs; or

(iii) appropriate professional engineer attainment;

(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;

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

(H) monthly fire extinguisher inspections as required by the United States Department of Labor, Occupational Safety and Health Administration (OSHA) or *NFPA 10*;

(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, aqueous film forming foam (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 and water mist systems. (Eff. 6/10/93, Register 126; am 8/31/96, Register 139; am 9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244)

**Authority:** AS 18.70.010 AS 18.70.080 AS 18.70.090

13 AAC 50.060 is repealed and readopted to read:

**13 AAC 50.060. Occupancy standards.** A person, as defined in AS 01.10.060, may not 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 listed by a nationally recognized testing laboratory. (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; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 20 / 2022, Register 244)

**Authority:** AS 18.70.010 AS 18.70.080

[EDITOR'S NOTE: COPIES OF *NFPA* STANDARDS MAY BE OBTAINED FROM THE NATIONAL FIRE PROTECTION ASSOCIATION, 1 BATTERYMARCH PARK, QUINCY, MASSACHUSETTS 02169-7471 AND AT WWW.NFPA.ORG.]

13 AAC 50.075 is amended to read:

**13 AAC 50.075. Deferring to local authorities.** (a) The state fire marshal may [WILL, IN THE MARSHAL'S DISCRETION,] exempt a municipality from compliance with the requirements of 13 AAC 50.027, if the municipality

(1) has the expertise to and has enacted ordinances for the review and approval of plans and specifications and the enforcement of state fire statutes and regulations; and

(2) agrees in writing to concurrently undertake or continue a building fire safety inspection program that meets or exceeds the program conducted by the division of fire and life

safety.

(b) The state fire marshal may [WILL, IN THE MARSHAL'S DISCRETION,] exempt an agency of state government from compliance with the requirements of 13 AAC 50.027, if the agency

(1) has the expertise and has entered into a written agreement to review and approve plans and specifications and to enforce state fire statutes and regulations;

(2) agrees in writing to concurrently undertake or continue a building fire safety inspection program that meets or exceeds the programs conducted by the division of fire and life safety; and

(3) has full law enforcement authority and fire protection responsibilities for a specific geographic area.

(c) The state fire marshal may [WILL, IN THE MARSHAL'S DISCRETION,] defer building fire safety inspection and enforcement activities to the local authorities, if [THE MUNICIPALITY]

(1) the municipality complies with the requirements of 13 AAC 52.030;

(2) the municipality has a building fire safety inspection program that meets or exceeds the building fire safety inspection program conducted by the division of fire and life safety;

(3) the municipality has the expertise to enforce state fire safety statutes and regulations; and

(4) the governing body of the municipality has agreed, in writing, to enforce state fire safety statutes and regulations.

(d) If the state fire marshal determines that a municipality or agency of state government's plan review or fire safety inspection program is not providing adequate enforcement of state fire safety statutes or regulations, the **state fire** marshal **may** [WILL, IN THE MARSHAL'S DISCRETION,] cancel the exemption or deferral granted under this section. The state fire marshal will give 30 **days'** [DAYS] written notice to the municipality or agency of state government before canceling the exemption or deferral.

(e) Application for deferral or exemption under this section must be made on the forms provided by the state fire marshal. Criteria for deferral and exemption are contained on the application **forms** [FORM DATED SEPTEMBER 1, 2012 AND ADOPTED BY REFERENCE]. Deferral agreements will be audited every two years and a revalidated agreement signed from time to time. (Eff. 1/14/81, Register 77; am 8/2/86, Register 99; am 6/10/93, Register 126; am 11/16/2012, Register 204; am 10 / 28 / 2022, Register 244 )

**Authority:** AS 18.70.010      AS 18.70.080      AS 18.70.090

13 AAC 52.020(a) is amended to read:

**13 AAC 52.020. Fire records.** (a) Every fire or other related incident must be reported to the state fire marshal. Incident reports must be submitted within the first 10 days of the month following the month in which the incident occurred. Incident reports must be submitted by the fire chief, investigating officer, or the fire chief's or investigating officer's designee, and be National Fire Incident Reporting System (NFIRS) 5.0 compatible, **unless otherwise agreed between a fire department or fire agency and the state fire marshal.** The division of fire and life safety shall provide each reporting fire department an annual summary of fire-related

incidents reported under this section. The division shall provide the annual summary not later than September 1 of each year. The state fire marshal mandates those modules currently required by the United States Fire Administration (USFA) NFIRS 5.0 standard with the addition of the following fields:

- (1) Civilian Fire Casualty - All Fields;
- (2) Fire Service Casualty Module - All Fields;
- (3) Arson/Juvenile Firesetter - All Fields.

13 AAC 52.020(c) is amended to read:

(c) Each fire insurance company authorized to transact business in this state, or its authorized agent or **adjuster** [ADJUSTOR], shall report to the division of fire and life safety all fire losses on property insured, giving the name and address of the insured, the date of the fire, the amount of probable loss, the character of the property destroyed or damaged and the probable cause of the fire. The loss must be reported to the state fire marshal within three days after the final adjustment is made.

13 AAC 52.020 is amended by adding a new subsection to read:

(e) In this section, "fire agency" includes the Department of Public Safety, the Division of Forestry and Fire Protection in the Department of Natural Resources, the Bureau of Land Management (BLM) and National Park Service in the United States Department of Interior, the Forest Service in the United States Department of Agriculture, or any other fire company that is not considered a true fire department. (In effect before 7/28/59; am 7/25/60, Register 30; am

Register 244, January 2023 PUBLIC SAFETY

2/21/71, Register 37; am 8/2/86, Register 99; am 8/31/96, Register 139; am 8/27/2004, Register 171; am 9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10/28/2022, Register 244)

**Authority:** AS 18.70.030 [AS 44.17.030]

The introductory language of 13 AAC 52.030(a) is amended to read:

**13 AAC 52.030. Standards of organization and services of a fire department. (a)**

**The Department of Public Safety is a registered fire department.** The division of fire and life safety will register the following fire departments that meet the requirements of (b) and (c) of this section:

• • •

13 AAC 52.030(b)(6) is amended to read:

(6) if the fire department is in the unorganized borough and [AND] in an unincorporated area, the fire department shall submit a copy of

(A) a certificate of incorporation from the division within the Department of Commerce, Community, and Economic Development that oversees corporations, business, and professional licensing, **or a constitution from a legal entity or agency; for purposes of this subparagraph,**

**(i) a certificate of incorporation may include a certificate from a corporation organized under 43 U.S.C. 1601 - 1629h (Alaska Native Claims Settlement Act), as provided in AS 10.06.960, or from a nonprofit**



corporation organized under AS 10.20;

(ii) a legal entity or agency may be a community that governs through a constitution rather than ordinances; and

(B) the fire department's bylaws;

13 AAC 52.030(c) is amended to read:

(c) A registered fire department must have operating procedures that

(1) define the boundaries of the area to be served;

(2) provide for the appointment of a single fire chief of the department;

(3) provide for programs of pre-fire planning surveys, training, and fire safety

and burn prevention education;

(4) provide for the investigation and determination of the cause of each fire

occurring within the boundaries and comply with fire reporting requirements required by the state fire marshal under 13 AAC 52.020(a) and (d);

(5) provide for regular meetings of fire department personnel for business and training purposes;

(6) provide for a program of code enforcement if authority has been granted by the local governing body; [AND]

(7) provide a list of current department personnel and their rank; and

(8) provide for the appointment of a public fire and life safety educator, fire investigator, and Alaska National Fire Incident Reporting System (ANFIRS) manager.

(Eff. 2/21/71, Register 37; am 1/14/81, Register 77; am 10/28/90, Register 116; am 6/10/93,

Register 244, January 2023

PUBLIC SAFETY

Register 126; am 8/31/96, Register 139; am 8/27/2004, Register 171; am 9/13/2007, Register 183; am 11/16/2012, Register 204; am 5/19/2017, Register 222; am 10 / 28 / 2022, Register 244)

**Authority:** AS 18.70.010

13 AAC 55.150(a) is amended to read:

**13 AAC 55.150. Definitions.** (a) In 13 AAC 50 - 13 AAC 55, unless the context requires otherwise,

(1) "IBC" means the *International Building Code* published by the International Code Council, Inc., **2021** [2012] edition, as adopted by reference and revised in 13 AAC 50.020;

(2) **"IEBC" means the *International Existing Building Code* published by the International Code Council Inc., 2021 edition, as adopted by reference and revised in 13 AAC 50.021;**

(3) "IFC" means the *International Fire Code* published by the International Code Council Inc., **2021** [2012] edition, as adopted by reference and revised in 13 AAC 50.025;

(4) [(3)] "IFGC" means the *International Fuel Gas Code* published by the International Code Council Inc., **2021** [2012] edition, as adopted by reference and revised in 13 AAC 50.024;

(5) [(4)] "IMC" means the *International Mechanical Code* published by the International Code Council Inc., **2021** [2012] edition, as adopted by reference and revised in 13 AAC 50.023;

**(6)** [(5)] "municipality" means a borough or city of any class in this state;

**(7)** [(6)] "*NFPA*" means the National Fire Protection Association, National Fire Codes;

**(8)** [(7)] "registered fire department" means a fire department that has filed an application for registration under 13 AAC 52.030, that the division of fire and life safety has registered, and that the state fire marshal has approved;

**(9)** [(8)] "stand" means a small open air structure designed to limit public access to the fireworks and occupied by a retail fireworks vendor;

**(10)** [(9)] "state fire marshal," "fire marshal," or "marshal" means the chief officer of the division of fire and life safety in the Department of Public Safety;

**(11)** [(10)] "substantial land structure" means a floating structure that remains permanently moored while in use as a place of human occupancy and has been declared substantially a land structure by the United States Coast Guard.

13 AAC 55.150(b) is amended to read:

(b) In 13 AAC 50 - 13 AAC 55, the definitions in the *IBC*, the *IEBC*, the *IFC*, the *IFGC*, the *IMC*, and the *NFPA Standards* are adopted as modified by (a) of this section.

13 AAC 55.150(d)(1) is amended to read:

(1) "dangerous fireworks" under [HAS THE MEANING GIVEN IN] AS 18.72.100 [; "DANGEROUS FIREWORKS"] includes International Code Council, Inc. Class C fireworks (*NFPA* Standard 1126-2021 [1126-2011] edition designated explosive class 1

Register 244, January 2023 PUBLIC SAFETY

division 3G);

(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 8/31/96, Register 139; am 3/27/99, Register 149; am 9/15/2001, Register 159; am 8/27/2004, Register 171; am 5/19/2017, Register 222; am 10 / 20 / 2022, Register 244)

**Authority:** AS 18.70.010 AS 18.70.080

**Editor's note:** Copies of the *NFPA 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).

Copies of the *International Fire Code* 2021 [2012] Edition (IFC) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452 [(888) 422-7233]; Internet address: [www.iccsafe.org](http://www.iccsafe.org).

Copies of the *International Building Code* 2021 [2012] Edition (IBC) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254 [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: (800) 786-4452; **Internet address:** [(888) 422-7233 OR AT] [www.iccsafe.org](http://www.iccsafe.org).

**Copies of the International Existing Building Code 2021 Edition (IEBC) may be obtained from the International Code Council Inc., 25442 Network Place, Chicago, Illinois 60673-1254; telephone: (800) 786-4452; Internet address: www.iccsafe.org.**

Copies of the *International Fuel Gas Code* 2021 [2012] Edition (IFGC) may be obtained

Register 244, January 2023

PUBLIC SAFETY

from the International Code Council Inc., **25442 Network Place, Chicago, Illinois 60673-1254**

[900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: **(800) 786-4452;**

**Internet address:** [(888) 422-7233 OR AT] [www.iccsafe.org](http://www.iccsafe.org).

Copies of the *International Mechanical Code* **2021** [2012] Edition (IMC) may be obtained from the International Code Council Inc., **25442 Network Place, Chicago, Illinois 60673-1254** [900 MONTCLAIR RD, BIRMINGHAM, ALABAMA 35213]; telephone: **(800) 786-4452;** **Internet address:** [(888) 422-7233 OR AT] [www.iccsafe.org](http://www.iccsafe.org).

Copies of the codes adopted by reference in 13 AAC 50 - 13 AAC 55 may be examined in the Department of Public Safety, division of fire and life safety in Juneau, Anchorage, and Fairbanks. Copies of 13 AAC 50 - 13 AAC 55 may be obtained from the division.