

28 drawings ("as built") to verify any modifications to the previously approved construction
29 documents."

30 (2) IFC, Chapter 9, Section 901.4.6, Pump and Riser Room Size, is deleted and
31 replaced with the following: "Pump and Riser Room Size. Fire pump and automatic sprinkler
32 system riser rooms shall be designed with adequate space for all installed equipment necessary
33 for the installation and to provide sufficient working space around the stationary equipment.
34 Clearances around equipment shall be in accordance with manufacturer requirements and not
35 less than the following minimum elements:

36 901.4.6.1 A minimum clear and unobstructed distance of 12 inches shall be provided
37 from the installed equipment to the elements of permanent construction.

38 901.4.6.2 A minimum clear and unobstructed distance of 12 inches shall be provided
39 between all other installed equipment and appliances.

40 901.4.6.3 A clear and unobstructed width of 36 inches shall be provided in front of all
41 installed equipment and appliances, to allow for inspection, service, repair or replacement
42 without removing such elements of permanent construction or disabling the function of a
43 required fire-resistance-rated assembly.

44 901.4.6.4 Automatic sprinkler system riser rooms shall be provided with a clear and
45 unobstructed passageway to the riser room of not less than 36 inches, and openings into the
46 room shall be clear and unobstructed, with doors swinging in the outward direction from the
47 room and the opening providing a clear width of not less than 34 inches and a clear height of
48 the door opening shall not be less than 80 inches.

49 901.4.6.5 Fire pump rooms shall be provided with a clear and unobstructed
50 passageway to the fire pump room of not less than 72 inches, and openings into the room shall
51 be clear, unobstructed and large enough to allow for the removal of the largest piece of
52 equipment, with doors swinging in the outward direction from the room and the opening
53 providing a clear width of not less than 68 inches and a clear height of the door opening shall
54 not be less than 80 inches."

55 (3) IFC, Chapter 9, Section 903.2.1.2, Group A-2, is amended to add the following
56 subsection: "4. An automatic fire sprinkler system shall be provided throughout Group A-2
57 occupancies where indoor pyrotechnics are used."

58 (4) IFC, Chapter 9, Section 903.2.2, Ambulatory Health Care Facilities, is amended as

59 follows: On line two delete the words "all fire areas floor" and replace with the word
60 "buildings" and delete the last paragraph.

61 (5) IFC, Chapter 9, Section 903.2.4, Group F-1, Subsection 2, is deleted and rewritten
62 as follows: "A Group F-1 fire area is located more than three stories above the lowest level of
63 fire department vehicle access."

64 (6) IFC, Chapter 9, Section 903.2.7, Group M, Subsection 2, is deleted and rewritten as
65 follows: "A Group M fire area is located more than three stories above the lowest level of fire
66 department vehicle access."

67 (7) IFC, Chapter 9, Section 903.2.8 Group R, is amended to add the following:
68 "Exception: Detached one- and two-family dwellings and multiple single-family dwellings
69 (townhouses) constructed in accordance with the International Residential Code for one- and
70 two-family dwellings."

71 (8) IFC, Chapter 9, Section 903.2.8, Group R, is amended to add a second exception as
72 follows: "Exception: Group R-4 fire areas not more than 4,500 gross square feet and not
73 containing more than 16 residents, provided the building is equipped throughout with an
74 approved fire alarm system that is interconnected and receives its primary power from the
75 building wiring and a commercial power system."

76 (9) IFC, Chapter 9, Section 903.2.8 Group R, is amended to add a third exception as
77 follows: "Exception: Group R-1 occupancies with fire areas not more than 2,000 square feet,
78 containing no installed plumbing or heating, where no cooking occurs, and constructed of Type
79 I-A, I-B, or II-A construction."

80 [~~9~~] (10) IFC, Chapter 9, Section 903.2.9, Group S-1, Subsection 2, is deleted and
81 rewritten as follows: "A Group S-1 fire area is located more than three stories above the lowest
82 level of fire department vehicle access."

83 [~~10~~] (11) IFC, Chapter 9, Section 903.3.1.1 is amended by adding the following
84 subsection: "903.3.1.1.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler
85 system installed in accordance with NFPA 13 may not exceed a maximum concentration of
86 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
87 not exceed 150 gallons."

88 [~~11~~] (12) IFC, Chapter 9, Section 903.3.1.2 is amended by adding the following
89 subsection: "903.3.1.2.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler

90 system installed in accordance with NFPA 13R may not exceed a maximum concentration of
91 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
92 not exceed 150 gallons."

93 ~~[(12)]~~ (13) IFC, Chapter 9, Section 903.3.1.3 is amended by adding the following
94 subsection: "903.3.1.3.1 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler
95 system installed in accordance with NFPA 13D may not exceed a maximum concentration of
96 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
97 not exceed 150 gallons."

98 ~~[(13)]~~ (14) IFC, Chapter 9, Section 903.3.5, Water supplies, is amended as follows: On
99 line six, after the word "Code", add "and as amended in Utah's State Construction Code".

100 ~~[(14)]~~ (15) IFC, Chapter 9, Section 903.5 is amended to add the following subsection:
101 "903.5.1 Tag and Information. A tag shall be attached to the riser indicating the date the
102 antifreeze solution was tested. The tag shall also indicate the type and concentration of
103 antifreeze solution by volume with which the system is filled, the name of the contractor that
104 tested the antifreeze solution, the contractor's license number, and a warning to test the
105 concentration of the antifreeze solutions at yearly intervals."

106 ~~[(15)]~~ (16) IFC, Chapter 9, Section 904.11, Commercial cooking systems, is deleted
107 and rewritten as follows: "The automatic fire extinguishing system for commercial cooking
108 systems shall be of a type recognized for protection of commercial cooking equipment and
109 exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance
110 with UL300 and listed and labeled for the intended application. The system shall be installed
111 in accordance with this code, its listing and the manufacturer's installation instructions. The
112 exception in Section 904.11 is not deleted and shall remain as currently written in the IFC."

113 ~~[(16)]~~ (17) IFC, Chapter 9, Section 904.11.3, Carbon dioxide systems, and Section
114 904.11.3.1, Ventilation system, are deleted and rewritten as follows:

115 (a) "Existing automatic fire extinguishing systems used for commercial cooking that
116 use dry chemical are prohibited and shall be removed from service."

117 (b) "Existing wet chemical fire extinguishing systems used for commercial cooking
118 that are not UL300 listed and labeled are prohibited and shall be either removed or upgraded to
119 a UL300 listed and labeled system."

120 ~~[(17)]~~ (18) IFC, Chapter 9, Section 904.11.4, Special provisions for automatic sprinkler

121 systems, is amended to add the following subsection: "904.11.4.2 Existing automatic fire
122 sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that
123 generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed
124 and labeled for the intended application."

125 [~~(18)~~] (19) IFC, Chapter 9, Section 904.11.6.2, Extinguishing system service, is
126 amended to add the following: "Exception: Automatic fire extinguishing systems located in
127 occupancies where usage is limited and less than six consecutive months may be serviced
128 annually if the annual service is conducted immediately before the period of usage, and
129 approval is received from the AHJ."

130 [~~(19)~~] (20) IFC, Chapter 9, Section 905.3.9 is a new subsection as follows: "Open
131 Parking Garages. Open parking garages shall be equipped with an approved Class I manual
132 standpipe system when fire department access is not provided for firefighting operations to
133 within 150 feet of all portions of the open parking garage as measured from the approved fire
134 department vehicle access. Class I manual standpipe shall be accessible throughout the parking
135 garage such that all portions of the parking structure are protected within 150 feet of a hose
136 connection.

137 Exception: Open parking garages equipped throughout with an automatic sprinkler
138 system in accordance with Section 903.3.1.1."

139 [~~(20)~~] (21) IFC, Chapter 9, Section 905.8, Dry Standpipes, Exception is deleted and
140 rewritten as follows: "Where subject to freezing conditions and approved by the fire code
141 official."

142 [~~(21)~~] (22) IFC, Chapter 9, Section 905.11, Existing buildings, and IFC, Chapter 11,
143 Section 1103.6, Standpipes, are deleted.

144 [~~(22)~~] (23) In IFC, Chapter 9, Section 906.1, Where Required, the exception under
145 paragraph 1 is deleted and rewritten to read: "Exception: In new and existing Group A, B, and
146 E occupancies equipped with quick response sprinklers, portable fire extinguishers shall be
147 required only in locations specified in items 2 through 6.

148 [~~(23)~~] (24) IFC, Chapter 9, Section 907.2.3 Group E:

149 (a) The first sentence is deleted and rewritten as follows: "A manual fire alarm system
150 that initiates the occupant notification system in accordance with Section 907.5 and installed in
151 accordance with Section 907.6 shall be installed in Group E occupancies."

152 (b) Exception number 3, on line five, delete the words, "emergency voice/alarm
153 communication system" and replace with "occupant notification system."

154 [~~24~~] (25) IFC, Chapter 9, 907.8, Inspection, testing, and maintenance, is amended to
155 add the following sentences at the end of the section: "Increases in nuisance alarms shall
156 require the fire alarm system to be tested for sensitivity. Fire alarm systems that continue after
157 sensitivity testing with unwarranted nuisance alarms shall be replaced as directed by the AHJ."

158 [~~25~~] (26) IFC, Chapter 9, Section 908.7, Carbon Monoxide Alarms, is deleted and
159 rewritten as follows: "Carbon monoxide alarms shall be installed on each habitable level of a
160 dwelling unit or sleeping unit in Groups R-1, R-2, R-3, R-4, I-1, and I-4 equipped with fuel
161 burning appliances.

162 908.7.1 If more than one carbon monoxide detector is required, they shall be
163 interconnected as required in IFC, Chapter 9, Section 907.2.11.3.

164 908.7.2 In new construction, a carbon monoxide detector shall receive its primary
165 power as required under IFC, Chapter 9, Section 907.2.11.4.

166 908.7.3 Upon completion of the installation, the carbon monoxide detector system will
167 meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and
168 Warning Equipment and UL2034, Standard for Single and Multiple Carbon Monoxide Alarms.

169 [~~26~~] (27) IFC Section 908.7.1 is renumbered to 908.7.4.

170 Section 2. **Effective date.**

171 This bill takes effect on July 1, 2014.

Legislative Review Note
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Office of Legislative Research and General Counsel