

1 **STATE CONSTRUCTION AND FIRE CODES AMENDMENTS**

2 2023 GENERAL SESSION

3 STATE OF UTAH

4 **Chief Sponsor: Thomas W. Peterson**

5 Senate Sponsor: Curtis S. Bramble

7 **LONG TITLE**

8 **General Description:**

9 This bill repeals and amends construction and fire codes under Title 15A, State
10 Construction and Fire Codes Act.

11 **Highlighted Provisions:**

12 This bill:

- 13 ▶ repeals Tall Wood Buildings of Mass Timber Construction Incorporated as Part of
- 14 State Construction Code;
- 15 ▶ adopts the 2021 edition of the International Fire Code, with amendments; and
- 16 ▶ adopts and amends certain National Fire Protection Association codes and
- 17 standards.

18 **Money Appropriated in this Bill:**

19 None

20 **Other Special Clauses:**

21 None

22 **Utah Code Sections Affected:**

23 AMENDS:

24 **15A-2-101**, as last amended by Laws of Utah 2020, Chapter 43

25 **15A-2-102**, as last amended by Laws of Utah 2020, Chapters 43, 441

26 **15A-2-104**, as last amended by Laws of Utah 2016, Chapter 249

27 **15A-5-103**, as last amended by Laws of Utah 2019, First Special Session, Chapter 5

28 **15A-5-202**, as last amended by Laws of Utah 2022, Chapter 28

29 **15A-5-202.5**, as last amended by Laws of Utah 2020, Sixth Special Session, Chapter 4

- 30 **15A-5-203**, as last amended by Laws of Utah 2022, Chapter 350
- 31 **15A-5-204**, as last amended by Laws of Utah 2019, Chapter 103
- 32 **15A-5-205**, as last amended by Laws of Utah 2019, Chapter 103
- 33 **15A-5-205.5**, as last amended by Laws of Utah 2019, Chapter 103
- 34 **15A-5-205.6**, as enacted by Laws of Utah 2018, Chapter 228
- 35 **15A-5-206**, as last amended by Laws of Utah 2019, Chapter 103
- 36 **15A-5-302**, as last amended by Laws of Utah 2022, Chapter 28
- 37 **15A-5-304**, as last amended by Laws of Utah 2019, Chapter 103

38 REPEALS:

- 39 **15A-2a-101**, as enacted by Laws of Utah 2020, Chapter 43
- 40 **15A-2a-102**, as enacted by Laws of Utah 2020, Chapter 43
- 41 **15A-2a-201**, as enacted by Laws of Utah 2020, Chapter 43
- 42 **15A-2a-202**, as enacted by Laws of Utah 2020, Chapter 43
- 43 **15A-2a-203**, as enacted by Laws of Utah 2020, Chapter 43
- 44 **15A-2a-204**, as enacted by Laws of Utah 2020, Chapter 43
- 45 **15A-2a-301**, as enacted by Laws of Utah 2020, Chapter 43
- 46 **15A-2a-302**, as enacted by Laws of Utah 2020, Chapter 43
- 47 **15A-2a-401**, as enacted by Laws of Utah 2020, Chapter 43



49 *Be it enacted by the Legislature of the state of Utah:*

50 Section 1. Section **15A-2-101** is amended to read:

51 **15A-2-101. Title -- Adoption of code.**

52 (1) This chapter is known as the "Adoption of State Construction Code."

53 (2) In accordance with Chapter 1, Part 2, State Construction Code Administration Act,
54 the Legislature repeals the State Construction Code in effect on July 1, 2010, and adopts the
55 following as the State Construction Code:

56 (a) this chapter;

57 [~~(b) Chapter 2a, Tall Wood Buildings of Mass Timber Construction Incorporated as~~

58 ~~Part of State Construction Code;~~

59 ~~[(e)]~~ (b) Chapter 3, Statewide Amendments Incorporated as Part of State Construction
60 Code;

61 ~~[(d)]~~ (c) Chapter 4, Local Amendments Incorporated as Part of State Construction
62 Code; and

63 ~~[(e)]~~ (d) Chapter 6, Additional Construction Requirements.

64 Section 2. Section **15A-2-102** is amended to read:

65 **15A-2-102. Definitions.**

66 As used in this chapter, [~~Chapter 2a, Tall Wood Buildings of Mass Timber~~
67 ~~Construction Incorporated as Part of State Construction Code,~~] Chapter 3, Statewide
68 Amendments Incorporated as Part of State Construction Code, and Chapter 4, Local
69 Amendments Incorporated as Part of State Construction Code:

70 (1) "HUD Code" means the Federal Manufactured Housing Construction and Safety
71 Standards Act, as issued by the Department of Housing and Urban Development and published
72 in 24 C.F.R. Parts 3280 and 3282 (as revised April 1, 1990).

73 (2) "IBC" means the edition of the International Building Code adopted under Section
74 [15A-2-103](#).

75 (3) "IEBC" means the edition of the International Existing Building Code adopted
76 under Section [15A-2-103](#).

77 (4) "IECC" means the edition of the International Energy Conservation Code adopted
78 under Section [15A-2-103](#).

79 (5) "IFGC" means the edition of the International Fuel Gas Code adopted under
80 Section [15A-2-103](#).

81 (6) "IMC" means the edition of the International Mechanical Code adopted under
82 Section [15A-2-103](#).

83 (7) "IPC" means the edition of the International Plumbing Code adopted under Section
84 [15A-2-103](#).

85 (8) "IRC" means the edition of the International Residential Code adopted under

86 Section 15A-2-103.

87 (9) "ISPSC" means the edition of the International Swimming Pool and Spa Code
88 adopted under Section 15A-2-103.

89 (10) "NEC" means the edition of the National Electrical Code adopted under Section
90 15A-2-103.

91 (11) "UWUI" means the edition of the Utah Wildland Urban Interface Code adopted
92 under Section 15A-2-103.

93 Section 3. Section 15A-2-104 is amended to read:

94 **15A-2-104. Installation standards for manufactured housing.**

95 (1) The following are the installation standards for manufactured housing for new
96 installations or for existing manufactured or mobile homes that are subject to relocation,
97 building alteration, remodeling, or rehabilitation in the state:

98 (a) The manufacturer's installation instruction for the model being installed is the
99 primary standard.

100 (b) If the manufacturer's installation instruction for the model being installed is not
101 available or is incomplete, the following standards apply:

102 (i) Appendix E of the 2015 edition of the IRC, as issued by the International Code
103 Council for installations defined in Section AE101 of Appendix E; or

104 (ii) if an installation is beyond the scope of the ~~2015~~ 2021 edition of the IRC as
105 defined in Section AE101 of Appendix E, the 2005 edition of the NFPA 225 Model
106 Manufactured Home Installation Standard, issued by the National Fire Protection Association.

107 (c) A manufacturer, dealer, or homeowner is permitted to design for unusual
108 installation of a manufactured home not provided for in the manufacturer's standard installation
109 instruction, Appendix E of the ~~2015~~ 2021 edition of the IRC, or the 2005 edition of the
110 NFPA 225, if the design is approved in writing by a professional engineer or architect licensed
111 in Utah.

112 (d) For a mobile home built before June 15, 1976, the mobile home shall also comply
113 with the additional installation and safety requirements specified in Chapter 3, Part 8,

114 Statewide Amendments to International Existing Building Code.

115 (2) Pursuant to the HUD Code Section 604(d), a manufactured home may be installed
116 in the state that does not meet the local snow load requirements as specified in Chapter 3, Part
117 2, Statewide Amendments to International Residential Code, except that the manufactured
118 home shall have a protective structure built over the home that meets the IRC and the snow
119 load requirements under Chapter 3, Part 2, Statewide Amendments to International Residential
120 Code.

121 Section 4. Section **15A-5-103** is amended to read:

122 **15A-5-103. Nationally recognized codes incorporated by reference.**

123 The following codes are incorporated by reference into the State Fire Code:

124 (1) the International Fire Code, [2018] 2021 edition, excluding appendices, as issued
125 by the International Code Council, Inc., except as amended by Part 2, Statewide Amendments
126 and Additions to International Fire Code Incorporated as Part of State Fire Code;

127 [~~(2) National Fire Protection Association, NFPA 96, Standard for Ventilation Control
128 and Fire Protection of Commercial Cooking Operations, 2017 edition, except as amended by
129 Part 3, Amendments and Additions to National Fire Protection Association Incorporated as
130 Part of State Fire Code;~~]

131 [~~(3) National Fire Protection Association, NFPA 1403, Standard on Live Fire Training
132 Evolutions, 2012 edition, except as amended by Part 3, Amendments and Additions to National
133 Fire Protection Association Incorporated as Part of State Fire Code; and]~~

134 [(4)] (2) National Fire Protection Association, NFPA 1, Chapter 38, Marijuana
135 Growing, Processing, and Extraction Facilities, 2018 edition[;];

136 (3) National Fire Protection Association, NFPA 54, National Fuel Gas Code, 2021
137 edition; and

138 (4) National Fire Protection Association, NFPA 58, Liquefied Petroleum Gas Code,
139 2023 edition.

140 Section 5. Section **15A-5-202** is amended to read:

141 **15A-5-202. Amendments and additions to IFC related to administration, permits,**

142 **definitions, and general and emergency planning.**

143 (1) For IFC, Chapter 1, Scope and Administration:

144 (a) IFC, Chapter 1, Section 102.5, is deleted and rewritten as follows:

145 "102.5 Application of residential code.

146 If a structure is designed and constructed in accordance with the International
147 Residential Code, the provisions of this code apply only as follows:

148 1. The construction and design provisions of this code apply only to premises
149 identification, fire apparatus access, fire hydrants and water supplies, and construction permits
150 required by Section 105.7.

151 2. This code does not supercede the land use, subdivision, or development standards
152 established by a local jurisdiction.

153 3. The administrative, operational, and maintenance provisions of this code apply."

154 (b) IFC, Chapter 1, Section 102.9, is deleted and rewritten as follows:

155 "102.9 Matters not provided for.

156 Requirements that are essential for the public safety of an existing or proposed activity,
157 building or structure, or for the safety of the occupants thereof, which are not specifically
158 provided for by this code, shall be determined by the fire code official on an emergency basis
159 if:

160 (a) the facts known to the fire code official show that an immediate and significant
161 danger to the public health, safety, or welfare exists; and

162 (b) the threat requires immediate action by the fire code official.

163 102.9.1 Limitation of emergency order.

164 In issuing its emergency order, the fire code official shall:

165 (a) limit the order to require only the action necessary to prevent or avoid the danger to
166 the public health, safety, or welfare; and

167 (b) give immediate notice to the persons who are required to comply with the order,
168 that includes a brief statement of the reasons for the fire code official's order.

169 101.9.2 Right to appeal emergency order.

170 If the emergency order issued under this section will result in the continued
 171 infringement or impairment of any legal right or interest of any party, the party shall have a
 172 right to appeal the fire code official's order in accordance with IFC, Chapter 1, Section 109."

173 (c) IFC, Chapter 1, Section [~~105.4.1~~] 106.1, Submittals, is amended to add the
 174 following after the last sentence:

175 "Fire sprinkler system layout [~~may~~] shall be prepared and submitted by a person
 176 certified by the National Institute for Certification in Engineering Technologies at level III or
 177 IV in Water-Based System Layout. Fire alarm system layout [~~may~~] shall be prepared and
 178 submitted by a person certified by the National Institute for Certification in Engineering
 179 Technologies at level III or IV in Fire Alarm Systems."

180 (d) IFC, Chapter 1, Section [~~105.6.16~~] 105.5.18, Flammable and combustible liquids,
 181 is amended to add the following section: "12. The owner of an underground tank that is out of
 182 service for longer than one year shall receive a Temporary Closure Notice from the Department
 183 of Environmental Quality and a copy shall be given to the AHJ."

184 (e) [~~A new~~] In IFC, Chapter 1, Section [~~109.1.1, Application of residential code,~~]
 185 102.5, a new subsection 3. is added as follows:

186 [~~"109.1.1 Application of residential code.~~]

187 "3. For development regulated by a local jurisdiction's land use authority, the fire code
 188 official's interpretation of this code is subject to the advisory opinion process described in Utah
 189 Code, Section 13-43-205, and to a land use appeal authority appointed under Utah Code,
 190 Section 10-9a-701 or 17-27a-701."

191 (f) In IFC, Chapter 1, Section [~~109~~] 111, a new Section [~~109.4~~] 111.5, Notice of right
 192 to appeal, is added as follows: "At the time a fire code official makes an order, decision, or
 193 determination that relates to the application or interpretation of this chapter, the fire code
 194 official shall inform the person affected by the order, decision, or determination of the person's
 195 right to appeal under this section. Upon request, the fire code official shall provide a person
 196 affected by an order, decision, or determination that relates to the application or interpretation
 197 of this chapter a written notice that describes the person's right to appeal under this section."

198 [~~(g) IFC, Chapter 1, Section 110.3, Notice of violation, is deleted and rewritten as~~
199 follows:]

200 [~~"110.3 Notice of violation.~~]

201 [~~If the fire code official determines that a building, premises, vehicle, storage facility, or~~
202 ~~outdoor area is in violation of this code or other pertinent laws or ordinances, the fire code~~
203 ~~official is authorized to prepare a written notice of violation that describes the conditions~~
204 ~~deemed unsafe and, absent immediate compliance, specifies a time for reinspection."]~~

205 (2) For IFC, Chapter 2, Definitions:

206 (a) IFC, Chapter 2, Section 202, General Definitions, the following definition is added
207 for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building or
208 portion of a building licensed by the Department of Health where procedures are performed
209 that may render patients incapable of self preservation where care is less than 24 hours. See
210 Utah Administrative Code, R432-13, Freestanding Ambulatory Surgical Center Construction
211 Rule."

212 (b) IFC, Chapter 2, Section 202, General Definitions, the following definition is added
213 for Assisted Living Facility, Residential Treatment and Support. "ASSISTED LIVING
214 FACILITY[~~- See Residential Treatment/Support Assisted Living Facility, Type I Assisted~~
215 ~~Living Facility, and Type II Assisted Living Facility."~~], RESIDENTIAL TREATMENT AND
216 SUPPORT: A residential facility that provides a group living environment for four or more
217 residents licensed by the Department of Health and Human Services and provides a protected
218 living arrangement for ambulatory, non-restrained persons who are capable of achieving
219 mobility sufficient to exit the facility without the physical assistance of another person.

220 ASSISTED LIVING FACILITY, TYPE I. A residential facility licensed by the
221 Department of Health and Human Services that provides a protected living arrangement,
222 assistance with activities of daily living and social care to two or more ambulatory,
223 non-restrained persons who are capable of mobility sufficient to exit the facility without the
224 assistance of another person.

225 ASSISTED LIVING FACILITY, TYPE II. A residential facility licensed by the

226 Department of Health and Human Services that provides an array of coordinated supportive
227 personal and health care services to two or more residents who are:

- 228 A. Physically disabled but able to direct his or her own care; or
- 229 B. Cognitively impaired or physically disabled but able to evacuate from the facility, or
230 to a zone or area of safety, with the physical assistance of one person.

231 Subcategories are:

232 ASSISTED LIVING FACILITY, LIMITED CAPACITY: A Type I or Type II assisted
233 living facility having two to five residents.

234 ASSISTED LIVING FACILITY, SMALL: A Type I or Type II assisted living facility
235 having six to sixteen residents.

236 ASSISTED LIVING FACILITY, LARGE: A Type I or Type II assisted living facility
237 having more than sixteen residents."

238 (c) IFC, Chapter 2, Section 202, General Definitions, [~~FOSTER CARE FACILITIES is~~
239 ~~amended as follows: The word "Foster" is changed to the word "Child."~~] the definition for
240 Child Care Facility is added as follows: "CHILD CARE FACILITY: A facility where care and
241 supervision is provided for four or more children for less than 24 hours a day and for direct or
242 indirect compensation in place of care ordinarily provided in their home."

243 (d) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
244 CLASSIFICATION, Educational Group E, Group E, day care facilities, is [~~amended as~~
245 ~~follows] deleted and replaced with the following:~~

246 "Group E, Child Care Facilities. This group includes buildings and structures or
247 portions thereof occupied by four or more children 2 years of age or older who receive
248 educational, supervision, child care services or personal care services for fewer than 24 hours
249 per day. See Section 429, Day Care, for special requirements for day care.

250 Within Places of Religious Worship. Rooms and spaces within places of religious
251 worship providing such day care during religious functions shall be classified as part of the
252 primary occupancy.

253 Four or Fewer Children. A facility having four or fewer children receiving such day

254 care shall be classified as part of the primary occupancy.

255 Four or Fewer Children in a Dwelling Unit. A facility such as the above within a
256 dwelling unit and having four or fewer children receiving such day care shall be classified as a
257 Group R-3 occupancy or shall comply with the International Residential Code.

258 Child Day Care - Residential Child Care Certificate or a License. Areas used for child
259 day care purposes with a residential child care certificate, as described in Utah Administrative
260 Code, R430-50, Residential Certificate Child Care, or a residential child care license, as
261 described in Utah Administrative Code, R430-90, Licensed Family Child Care, may be located
262 in a Group R-2 or R-3 occupancy as provided in the International Building Code, Sections
263 310.3 and 310.4, or shall comply with the International Residential Code, Section R101.2.

264 Child Care Centers. Each of the following areas may be classified as accessory
265 occupancies, if the area complies with the International Building Code, Section 508.2:

266 1. Hourly child care center, as described in Utah Administrative Code, R381-60,

267 Hourly Child Care Centers;

268 2. Child care centers, as described in Utah Administrative Code, R381-100, Child Care
269 Centers;

270 3. Out-of-school-time programs, as described in Utah Administrative Code, R381-70,
271 Out of School Time Child Care Programs; and

272 4. Commercial preschools, as described in Utah Administrative Code, R381-40,
273 Commercial Preschool Programs."

274 ~~[(i) On line three delete the word "five" and replace it with the word "four"; and]~~

275 ~~[(ii) On line four after the word "supervision" add the words "child care centers."]~~

276 ~~[(e) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY~~

277 ~~CLASSIFICATION, Educational Group E, Five or fewer children, is amended as follows: The~~
278 ~~word "five" is deleted and replaced with the word "four" in both places.]~~

279 ~~[(f) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY~~

280 ~~CLASSIFICATION, Educational Group E, Five or fewer children in a dwelling unit, is~~

281 ~~amended as follows: The word "five" is deleted and replaced with the word "four" in both~~

282 places.]

283 [~~(g)~~ IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
284 CLASSIFICATION, Educational Group E, a new section is added as follows: "Child day care
285 ~~residential child care certificate or a license. Areas used for child day care purposes with a~~
286 ~~residential child care certificate, as described in Utah Administrative Code, R430-50,~~
287 ~~Residential Certificate Child Care, or a residential child care license, as described in Utah~~
288 ~~Administrative Code, R430-90, Licensed Family Child Care, may be located in a Group R-2 or~~
289 ~~R-3 occupancy as provided in Residential Group R-3, or shall comply with the International~~
290 ~~Residential Code in accordance with Section R101.2."~~]

291 [~~(h)~~ IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
292 CLASSIFICATION, Educational Group E, a new section is added as follows: "Child care
293 centers. Each of the following areas may be classified as accessory occupancies:]

294 [1. ~~Hourly child care centers, as described in Utah Administrative Code, R381-60,~~
295 ~~Hourly Child Care Centers;]~~

296 [2. ~~Child care centers, as described in Utah Administrative Code, R381-100, Child~~
297 ~~Care Centers; and]~~

298 [3. ~~Out-of-school-time programs, as described in Utah Administrative Code, R381-70,~~
299 ~~Out of School Time Child Care Programs."~~]

300 [(i) (e) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
301 CLASSIFICATION, Institutional Group I-1, is amended as follows: [Insert "Type I" in front of
302 the words "Assisted living facilities".] In the list of items under "This group shall include," the
303 words "Type-I Large and Type-II Small, see the International Building Code, Section 308.2.5"
304 are added after "Assisted living facilities."

305 [(j) (f) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
306 CLASSIFICATION, Institutional Group I-1, Five or fewer persons receiving custodial care is
307 amended as follows: On line four after "International Residential Code" the rest of the section
308 is deleted.

309 [(k) (g) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

310 CLASSIFICATION, Institutional Group I-2, is ~~[amended as follows:]~~ deleted and replaced
311 with the following:

- 312 ~~[(i) On line three delete the word "five" and insert the word "three";]~~
- 313 ~~[(ii) On line six the word "foster" is deleted and replaced with the word "child"; and]~~
- 314 ~~[(iii) On line 10, after the words "Psychiatric hospitals", add the following to the list:~~
- 315 ~~"both intermediate nursing care and skilled nursing care facilities, ambulatory surgical centers~~
- 316 ~~with five or more operating rooms, and Type II assisted living facilities. Type II assisted living~~
- 317 ~~facilities with five or fewer persons shall be classified as a Group R-4. Type II assisted living~~
- 318 ~~facilities with at least six and not more than 16 residents shall be classified as a Group I-1~~
- 319 ~~facility".]~~

320 "Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings and
321 structures used for medical care on a 24-hour basis for more than four persons who are
322 incapable of self-preservation. This group shall include, but not be limited to the following:

- 323 Assisted living facilities, Type-II Large, see Section 308.3.3
- 324 Child care facilities
- 325 Foster care facilities
- 326 Detoxification facilities
- 327 Hospitals
- 328 Nursing homes (both intermediate care facilities and skilled nursing facilities)
- 329 Psychiatric hospitals"

330 ~~[(†)]~~ (h) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
331 CLASSIFICATION, Institutional Group ~~[I-4, day care facilities, Classification as Group E,~~ is
332 ~~amended as follows:]~~ I-2, a new section is added as follows:

333 "Assisted Living Facilities. A Type I, Large assisted living facility is classified as
334 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
335 occupancy Group I-1, Condition 2. See Section 202 for definitions."

- 336 ~~[(i) On line two delete the word "five" and replace it with the word "four"; and]~~
- 337 ~~[(ii) On line three delete the words "2 1/2 years or less of age" and replace with the~~

338 words "under the age of two".]

339 ~~[(m)]~~ (i) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
340 CLASSIFICATION, Institutional Group I-4, day care facilities, [~~Five or fewer occupants~~
341 ~~receiving care in a dwelling unit, is amended as follows: On lines one and three the word "five"~~
342 ~~is deleted and replaced with the word "four".]~~ Classification as Group E, Five or fewer persons
343 receiving care, and Five or fewer occupants receiving care in a dwelling unit are deleted and
344 replaced with the following:

345 "Classification as Group E. A child day care facility that provides care for five or more
346 but not more than 100 children under two years of age, where the rooms in which the children
347 are cared for are located on a level of exit discharge serving such rooms and each of these child
348 care rooms has an exit door directly to the exterior, shall be classified as a Group E. See the
349 International Building Code, Section 429 for special requirements for Day Care.

350 Four or Fewer Persons Receiving Care. A facility having four or fewer persons
351 receiving custodial care shall be classified as part of the primary occupancy. See the
352 International Building Code, Section 429, for special requirements for Day Care.

353 Four or Fewer Persons Receiving Care in a Dwelling Unit. A facility such as the above
354 within a dwelling unit and having four or fewer persons receiving custodial care shall be
355 classified as a Group R-3 occupancy or shall comply with the International Residential Code.
356 See the International Building Code, Section 429, for special requirements for Day Care."

357 ~~[(n)]~~ (j) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
358 CLASSIFICATION, Residential Group R-3, [~~the words "and single family dwellings~~
359 ~~complying with the IRC" are added after the word "Residential Group R-3 occupancies".]~~ is
360 deleted and replaced with the following:

361 "Residential Group R-3. Residential Group R-3 occupancies and single family
362 dwellings complying with the International Residential Code where the occupants are primarily
363 permanent in nature and not classified as Group R-1, R-2, R-4, or I occupancies, including:

364 Assisted Living Facilities, Type-I, limited capacity, see Section 310.5.3

365 Buildings that do not contain more than two dwellings

366 Care facilities, other than child care, that provide accommodations for five or fewer
367 persons receiving care

368 Congregate living facilities (nontransient) with 16 or fewer occupants

369 Boarding houses (nontransient)

370 Convents

371 Dormitories

372 Fraternities and sororities

373 Monasteries

374 Congregate living facilities (transient) with 10 or fewer occupants

375 Boarding houses (transient)

376 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"

377 [~~(p)~~] (k) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

378 CLASSIFICATION, Residential Group R-3, Care facilities within a dwelling, [~~is amended as~~

379 ~~follows: On line three after the word "dwelling" insert "other than child care".] is deleted and~~

380 replaced with the following: "Care Facilities within a Dwelling. Care facilities, other than child

381 care, for five or fewer persons receiving care that are within a single family dwelling are

382 permitted to comply with the International Residential Code. See the International Building

383 Code, Section 429, for special requirements for Child Day Care."

384 [~~(p)~~] (l) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

385 CLASSIFICATION, Residential Group R-3, a new section is added as follows: "Child Care.

386 Areas used for child care purposes may be located in a residential dwelling unit when all of the

387 following conditions are met:

388 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
389 under the authority of the Utah Fire Prevention Board;

390 2. Use is approved by the Department of Health under the authority of Utah Code, Title
391 26, Chapter 39, Utah Child Care Licensing Act, and in any of the following categories:

392 1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or

393 1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and

394 1.3 Compliance with all zoning regulations of the local regulator."

395 [~~(q) IFC, Chapter 2, Section 202, General Definitions, RECORD DRAWINGS, is~~
396 amended as follows: Delete the words "a fire alarm system" and replace them with "any fire
397 protection system".]

398 [~~(r) IFC, Chapter 2, Section 202, General Definitions, the following definition is added~~
399 for Residential Treatment/Support Assisted Living Facility. "RESIDENTIAL
400 TREATMENT/SUPPORT ASSISTED LIVING FACILITY. A residential facility that provides
401 a group living environment for four or more residents licensed by the Department of Human
402 Services, and provides a protected living arrangement for ambulatory, non-restrained persons
403 who are capable of achieving mobility sufficient to exit the facility without the physical
404 assistance of another person."]

405 [~~(s) IFC, Chapter 2, Section 202, General Definitions, the following definition is added~~
406 for Type I Assisted Living Facility. "TYPE I ASSISTED LIVING FACILITY. A residential
407 facility licensed by the Department of Health that provides a protected living arrangement,
408 assistance with activities of daily living and social care to two or more ambulatory,
409 non-restrained persons who are capable of mobility sufficient to exit the facility without the
410 assistance of another person. Subcategories are:]

411 [~~Limited Capacity: two to five residents;~~]

412 [~~Small: six to sixteen residents; and~~]

413 [~~Large: over sixteen residents."~~]

414 [~~(t) IFC, Chapter 2, Section 202, General Definitions, the following definition is added~~
415 for Type II Assisted Living Facility. "TYPE II ASSISTED LIVING FACILITY. A residential
416 facility licensed by the Department of Health that provides an array of coordinated supportive
417 personal and health care services to two or more residents who are:]

418 [~~A. Physically disabled but able to direct his or her own care; or~~]

419 [~~B. Cognitively impaired or physically disabled but able to evacuate from the facility, or~~
420 to a zone or area of safety, with the physical assistance of one person. Subcategories are:]

421 [~~Limited Capacity: two to five residents;~~]

422 ~~[Small: six to sixteen residents; and]~~

423 ~~[Large: over sixteen residents.]~~

424 (m) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

425 CLASSIFICATION, Residential Group R-3, a new section is added as follows:

426 "Assisted Living Facilities. Type I assisted living facilities with two to five residents are
427 Limited Capacity facilities classified as a Residential Group R-3 occupancy or are permitted to
428 comply with the International Residential Code. See Section 202 for definitions."

429 (n) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

430 CLASSIFICATION, Residential Group R-4, the words "Type II Limited Capacity and Type I
431 Small, see R-4 Assisted Living Facility Occupancy Groups" are added after the words
432 "Assisted Living Facilities."

433 (o) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

434 CLASSIFICATION, Residential Group R-4, a new section is added as follows: "Group R-4 -
435 Assisted Living Facility Occupancy Groups. The following occupancy groups shall apply to
436 Assisted Living Facilities:

437 Type II Assisted Living Facilities with two to five residents are Limited Capacity
438 Facilities classified as a Residential Group R-4, Condition 2 occupancy.

439 Type I assisted living facilities with six to sixteen residents are Small Facilities
440 classified as Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

441 Section 6. Section **15A-5-202.5** is amended to read:

442 **15A-5-202.5. Amendments and additions to Chapters 3 and 4 of IFC.**

443 (1) For IFC, Chapter 3, General Requirements:

444 (a) IFC, Chapter 3, Section 304.1.2, Vegetation, is amended as follows: Delete line six
445 and replace it with: "Utah Administrative Code, R652-122-1300, Minimum Standards for
446 County Wildland Fire Ordinance".

447 (b) IFC, Chapter 3, Section 310.8, Hazardous environmental conditions, is deleted and
448 rewritten as follows: "1. When the fire code official determines that existing or historical
449 hazardous environmental conditions necessitate controlled use of any ignition source, including

450 fireworks, lighters, matches, sky lanterns, and smoking materials, any of the following may
451 occur:

452 1.1. If the existing or historical hazardous environmental conditions exist in a
453 municipality, the legislative body of the municipality may prohibit the ignition or use of an
454 ignition source in:

455 1.1.1. mountainous, brush-covered, forest-covered, or dry grass-covered areas;

456 1.1.2. within 200 feet of waterways, trails, canyons, washes, ravines, or similar areas;

457 1.1.3. the wildland urban interface area, which means the line, area, or zone where
458 structures or other human development meet or intermingle with undeveloped wildland or land
459 being used for an agricultural purpose; or

460 1.1.4. a limited area outside the hazardous areas described in this paragraph 1.1 to
461 facilitate a readily identifiable closed area, in accordance with paragraph 2.

462 1.2. If the existing or historical hazardous environmental conditions exist in an
463 unincorporated area, the state forester may prohibit the ignition or use of an ignition source in
464 all or part of the areas described in paragraph 1.1 that are within the unincorporated area, after
465 consulting with the county fire code official who has jurisdiction over that area.

466 1.3. If the existing or historical hazardous environmental conditions exist in a metro
467 township created under Title 10, Chapter 2a, Part 4, Incorporation of Metro Townships and
468 Unincorporated Islands in a County of the First Class on and after May 12, 2015, the metro
469 township legislative body may prohibit the ignition or use of an ignition source in all or part of
470 the areas described in paragraph 1.1 that are within the township.

471 2. If a municipal legislative body, the state forester, or a metro township legislative
472 body closes an area to the discharge of fireworks under paragraph 1, the legislative body or
473 state forester shall:

474 2.1. designate the closed area along readily identifiable features like major roadways,
475 waterways, or geographic features;

476 2.2. ensure that the boundary of the designated closed area is as close as is practical to
477 the defined hazardous area, provided that the closed area may include areas outside of the

478 hazardous area to facilitate a readily identifiable line; and

479 2.3. identify the closed area through a written description or map that is readily
480 available to the public.

481 3. A municipal legislative body, the state forester, or a metro township legislative body
482 may close a defined area to the discharge of fireworks due to a historical hazardous
483 environmental condition under paragraph 1 if the legislative body or state forester:

484 3.1. makes a finding that the historical hazardous environmental condition has existed
485 in the defined area before July 1 of at least two of the preceding five years;

486 3.2. produces a map indicating the boundaries, in accordance with paragraph 2, of the
487 defined area described; and

488 3.3. before May 1 of each year the defined area is closed, provides the map described
489 in paragraph 3.2 to the county in which the defined area is located.

490 4. A municipal legislative body, the state forester, or a metro township legislative body
491 may not close an area to the discharge of fireworks due to a historical hazardous environmental
492 condition unless the legislative body or state forester provides a map, in accordance with
493 paragraph 3."

494 (c) IFC, Chapter 3, Section 311.1.1, Abandoned premises, is amended as follows: On
495 line 10 delete the words "International Property Maintenance Code and the".

496 (d) IFC, Chapter 3, Section 311.5, Placards, is amended as follows: On line three delete
497 the word "shall" and replace it with the word "may".

498 (2) IFC, Chapter 4, Emergency Planning and Preparedness:

499 (a) In IFC, Chapter 4, the following new Sections are added:

500 "401.3.1.1 Special Education Classrooms. Special education classrooms may shelter in
501 place, or delay evacuation when all of the following conditions are met:

502 401.3.1.1.1 There is no visible flame or evidence of products of combustion (smoke).

503 401.3.1.1.2 The building is completely protected by an approved fire sprinkler system.

504 401.3.1.1.3 The building is completely protected by an approved fire alarm system.

505 401.3.1.1.4 The classroom has a minimum of one approved exit that discharges

506 directly to the exterior.

507 401.3.1.1.5 The classroom has been approved to shelter in place by the fire code
508 official."

509 (b) In IFC, Chapter 4, Section 401.3.3, Delayed notification, a new exception is added:

510 "Exception: Group E Occupancies. Teachers may delay evacuation upon fire alarm
511 activation for up to 60 seconds when all of the following conditions are met:

512 A. There is no visible flame or evidence of products of combustion (smoke).

513 B. The building is protected throughout by an approved fire sprinkler system.

514 C. The building is protected throughout by an approved fire alarm system.

515 D. Students are in the safe zone of the room lined up and prepared for immediate
516 evacuation."

517 (c) IFC, Chapter 4, Section [403.10.2.1] 403.9.2.1, College and university buildings, is
518 deleted and replaced with the following:

519 [403.10.2.1] "403.9.2.1 College and university buildings and fraternity and sorority
520 houses.

521 [(a)] (i) College and university buildings, including fraternity and sorority houses, shall
522 prepare an approved fire safety and evacuation plan, in accordance with Section 404.

523 [(b)] (ii) Group R-2 college and university buildings, including fraternity and sorority
524 houses, shall comply with Sections [403.10.2.1.1 and 403.10.2.1.2] 403.9.2.1.1 and
525 403.9.2.1.2."

526 [(b)] (d) IFC, Chapter 4, Section [405.2, Table 405.2] 405.3, Table 405.3, is amended
527 to add the following footnotes:

528 (i) [e] "c. Secondary schools in Group E occupancies shall have an emergency
529 evacuation drill [for fire] conducted at least every two months, to a total of four emergency
530 evacuation drills during the nine-month school year. The first emergency evacuation drill [for
531 fire] shall be conducted within 10 school days after the beginning of classes. The third
532 emergency evacuation drill [for fire], weather permitting, shall be conducted 10 school days
533 after the beginning of the next calendar year. The second and fourth emergency evacuation

534 drills may be substituted by a security or safety drill to include shelter in place, earthquake drill,
535 or lock down for violence. If inclement weather causes a secondary school to miss the 10-day
536 deadline for the third emergency evacuation drill [for fire], the secondary school shall perform
537 the third emergency evacuation drill [for fire] as soon as practicable after the missed deadline."

538 (ii) [“f”] “d. In Group E occupancies, excluding secondary schools, if the AHJ approves,
539 the monthly required emergency evacuation drill can be substituted by a security or safety drill
540 to include shelter in place, earthquake drill, or lock down for violence. The routine emergency
541 evacuation drill must be conducted at least every other drill."

542 (iii) [“g”] “e. A-3 occupancies in academic buildings of institutions of higher learning
543 are required to have one emergency evacuation drill per year, provided the following conditions
544 are met:

545 (A) The building has a fire alarm system in accordance with Section 907.2.

546 (B) The rooms classified as assembly shall have fire safety floor plans as required in
547 Subsection 404.2.2(4) posted.

548 (C) The building is not classified a high-rise building.

549 (D) The building does not contain hazardous materials over the allowable quantities by
550 code."

551 [~~(iv) "h. Notwithstanding any other provision of law, during the 2020-2021 school
552 year, Group E occupancies are not required to conduct an emergency evacuation drill before
553 March 1, 2021. For the period beginning the first day of the 2020-2021 school year and ending
554 February 28, 2021, each calendar month, Group E occupancies shall provide in-class
555 instruction to students in an age-appropriate manner that describes the procedures for
556 emergency evacuation for fire. Group E occupancies shall complete the first monthly
557 instruction no later than 15 days after the day on which the 2020-2021 school year begins. In
558 addition to the monthly instruction, Group E occupancies may provide in-class security or
559 safety drills to include shelter in place, earthquake drill, or lock down for violence."]~~

560 [~~(v) "i. Notwithstanding any other provision of law, for the period beginning March 1,
561 2021, and ending the last day of the 2020-2021 school year, in Group E occupancies, if the~~

562 ~~AHJ approves, the monthly required emergency evacuation drill can be substituted by a~~
563 ~~security or safety drill to include shelter in place, earthquake drill, or lock down for violence.~~
564 ~~The routine emergency evacuation drill must be conducted at least every other month."]~~

565 Section 7. Section **15A-5-203** is amended to read:

566 **15A-5-203. Amendments and additions to IFC related to fire safety, building, and**
567 **site requirements.**

568 (1) For IFC, Chapter 5, Fire Service Features:

569 (a) In IFC, Chapter 5, a new Section 501.5, Access grade and fire flow, is added as
570 follows: "An authority having jurisdiction over a structure built in accordance with the
571 requirements of the International Residential Code as adopted in the State Construction Code,
572 may require an automatic fire sprinkler system for the structure only by ordinance and only if
573 any of the following conditions exist:

574 (i) the structure:

575 (A) is located in an urban-wildland interface area as provided in the Utah Wildland
576 Urban Interface Code adopted as a construction code under the State Construction Code; and

577 (B) does not meet the requirements described in Utah Code, Subsection
578 [65A-8-203\(4\)\(a\)](#) and Utah Administrative Code, R652-122-1300, Minimum Standards for
579 County Wildland Fire Ordinance;

580 (ii) the structure is in an area where a public water distribution system with fire
581 hydrants does not exist as required in Utah Administrative Code, R309-550-5, Water Main
582 Design;

583 (iii) the only fire apparatus access road has a grade greater than 10% for more than 500
584 continual feet;

585 (iv) the total floor area of all floor levels within the exterior walls of the dwelling unit
586 exceeds 10,000 square feet; or

587 (v) the total floor area of all floor levels within the exterior walls of the dwelling unit is
588 double the average of the total floor area of all floor levels of unsprinkled homes in the
589 subdivision that are no larger than 10,000 square feet.

590 (vi) Exception: A single family dwelling does not require a fire sprinkler system if the
591 dwelling:

592 (A) is located outside the wildland urban interface;

593 (B) is built in a one-lot subdivision; and

594 (C) has 50 feet of defensible space on all sides that limits the propensity of fire
595 spreading from the dwelling to another property."

596 (b) In IFC, Chapter 5, Section 506.1, Where Required, is deleted and rewritten as
597 follows: "Where access to or within a structure or an area is restricted because of secured
598 openings or where immediate access is necessary for life-saving or fire-fighting purposes, the
599 fire code official, after consultation with the building owner, may require a key box to be
600 installed in an approved location. The key box shall contain keys to gain necessary access as
601 required by the fire code official. For each fire jurisdiction that has at least one building with a
602 required key box, the fire jurisdiction shall adopt an ordinance, resolution, or other operating
603 rule or policy that creates a process to ensure that each key to each key box is properly
604 accounted for and secure."

605 (c) In IFC, Chapter 5, a new Section 507.1.1, Isolated one- and two-family dwellings,
606 is added as follows: "Fire flow may be reduced for an isolated one- and two-family dwelling
607 when the authority having jurisdiction over the dwelling determines that the development of a
608 full fire-flow requirement is impractical."

609 (d) In IFC, Chapter 5, a new Section 507.1.2, Pre-existing subdivision lots, is added as
610 follows:

611 "507.1.2 Pre-existing subdivision lots.

612 The requirements for a pre-existing subdivision lot shall not exceed the requirements
613 described in Section 501.5."

614 (e) In IFC, Chapter 5, Section 507.5.1, here required, a new exception is added: "3.
615 One interior and one detached accessory dwelling unit on a single residential lot."

616 [~~e~~] (f) [~~in~~] IFC, Chapter 5, Section 510.1, Emergency responder [~~radio~~]
617 communication coverage in new buildings, is amended by adding: "When required by the fire

618 code official," at the beginning of the first paragraph.

619 (2) For IFC, Chapter 6, Building Services and Systems:

620 (a) ~~[It]~~ IFC, Chapter 6, Section ~~[606.7]~~ 604.6.1, Elevator key location, is deleted and
621 rewritten as follows: "Firefighter service keys shall be kept in a "Supra-Stor-a-key" elevator
622 key box or similar box with corresponding key system that is adjacent to the elevator for
623 immediate use by the fire department. The key box shall contain one key for each elevator, one
624 key for lobby control, and any other keys necessary for emergency service. The elevator key
625 box shall be accessed using a 6049 numbered key."

626 (b) ~~[It]~~ IFC, Chapter 6, Section ~~[607.1]~~ 606.1, General, is amended as follows: On line
627 three, after the word "Code", add the words "and NFPA 96".

628 (c) ~~[It]~~ IFC, Chapter 6, Section 607.2, a new exception 5 is added as follows: "5. A
629 Type 1 hood is not required for a cooking appliance in a microenterprise home kitchen, as that
630 term is defined in Utah Code, Section 26-15c-102, for which the operator obtains a permit in
631 accordance with Utah Code, Title 26, Chapter 15c, Microenterprise Home Kitchen Act."

632 (3) For IFC, Chapter 7, Fire and Smoke Protection Features, IFC, Chapter 7, Section
633 705.2, is amended to add the following: "Exception: In Group E Occupancies, where the
634 corridor serves an occupant load greater than 30 and the building does not have an automatic
635 fire sprinkler system installed, the door closers may be of the friction hold-open type on
636 classrooms' doors with a rating of 20 minutes or less only."

637 Section 8. Section **15A-5-204** is amended to read:

638 **15A-5-204. Amendments and additions to IFC related to fire protection and life**
639 **safety systems.**

640 For IFC, Chapter 9, Fire Protection and Life Safety Systems:

641 ~~[(1) IFC, Chapter 9, Section 901.2, Construction documents, is amended to add the~~
642 ~~following at the end of the section: "The code official has the authority to request record~~
643 ~~drawings ("as builds") to verify any modifications to the previously approved construction~~
644 ~~documents."]~~

645 ~~[(2)]~~ (1) IFC, Chapter 9, Section ~~[901.4.6]~~ 901.4.7, Pump and riser room size, is

646 deleted and replaced with the following: [~~"Pump and Riser Room Size. Fire pump and~~
647 ~~automatic sprinkler system riser rooms shall be designed with adequate space for all installed~~
648 ~~equipment necessary for the installation and to provide sufficient working space around the~~
649 ~~stationary equipment. Clearances around equipment shall be in accordance with manufacturer~~
650 ~~requirements and not less than the following minimum elements:]~~

651 [~~901.4.6.1 A minimum clear and unobstructed distance of 12 inches shall be provided~~
652 ~~from the installed equipment to the elements of permanent construction.]~~

653 [~~901.4.6.2 A minimum clear and unobstructed distance of 12 inches shall be provided~~
654 ~~between all other installed equipment and appliances.]~~

655 [~~901.4.6.3 A clear and unobstructed width of 36 inches shall be provided in front of all~~
656 ~~installed equipment and appliances, to allow for inspection, service, repair or replacement~~
657 ~~without removing such elements of permanent construction or disabling the function of a~~
658 ~~required fire-resistance-rated assembly.]~~

659 [~~901.4.6.4 Automatic sprinkler system riser rooms shall be provided with a clear and~~
660 ~~unobstructed passageway to the riser room of not less than 36 inches, and openings into the~~
661 ~~room shall be clear and unobstructed, with doors swinging in the outward direction from the~~
662 ~~room and the opening providing a clear width of not less than 34 inches and a clear height of~~
663 ~~the door opening shall not be less than 80 inches.]~~

664 [~~901.4.6.5 Fire pump rooms shall be provided with a clear and unobstructed~~
665 ~~passageway to the fire pump room of not less than 72 inches, and openings into the room shall~~
666 ~~be clear, unobstructed and large enough to allow for the removal of the largest piece of~~
667 ~~equipment, with doors swinging in the outward direction from the room and the opening~~
668 ~~providing a clear width of not less than 68 inches and a clear height of the door opening shall~~
669 ~~not be less than 80 inches."]~~

670 "901.4.7 Pump and Riser Room Size.

671 901.4.7.1 Fire pump rooms and automatic sprinkler system riser rooms shall be
672 designed with adequate space for all installed equipment necessary for the installation and to
673 provide sufficient working room around the stationary equipment. Clearances around

674 equipment to elements of permanent construction, including other installed equipment and
675 appliances, shall be sufficient to allow inspection, service, repair or replacement without
676 removing such elements of permanent construction or disabling the function of a required
677 fire-resistance-rated assembly and not less than the following minimum elements:

678 901.4.7.1.1 A minimum clear and unobstructed distance of 12 inches shall be provided
679 from the installed equipment to the elements of permanent construction.

680 901.4.7.1.2 A minimum clear and unobstructed distance of 12 inches shall be provided
681 between all other installed equipment and appliances.

682 901.4.7.1.3 A clear and unobstructed width of 36 inches shall be provided in front of all
683 installed equipment and appliances, to allow for inspection, service, repair or replacement
684 without removing such elements of permanent construction or disabling the function of a
685 required fire resistance-rated assembly.

686 901.4.7.2 Fire Pump Room. Fire pumps and controllers shall be provided with ready
687 access. Fire pump rooms shall be provided with doors and an unobstructed passageway large
688 enough to allow for the removal of the largest piece of equipment. The passageway shall have a
689 clear width not less than 72 inches. Openings into the room shall be clear and unobstructed,
690 with doors swinging in the outward direction from the fire pump room and the opening
691 providing a clear width of not less than 68 inches and a clear height of the door opening shall
692 not be less than 80 inches. The door shall be permitted to be locked provided that the key is
693 available at all times and located in a Key Box in accordance with IFC, Section 506.

694 901.4.7.3 Automatic Sprinkler Riser Room. Automatic sprinkler system risers shall be
695 provided with ready access. Automatic sprinkler system riser rooms shall be provided with
696 doors and an unobstructed passageway large enough to allow for the removal of the largest
697 piece of equipment. The passageway shall have a clear width not less than 36 inches. Openings
698 into the room shall be clear and unobstructed, with doors swinging in the outward direction
699 from the riser room and the opening providing a clear width of not less than 32 inches and a
700 clear height of the door opening shall not be less than 80 inches. The door shall be permitted to
701 be locked provided that the key is available at all times and located in a Key Box in accordance

702 with IFC, Section 506.

703 901.4.7.4 Marking on Access Doors. Access doors for automatic sprinkler system riser
704 rooms and fire pump rooms shall be labeled with an approved sign. The lettering shall be in
705 contrasting color to the background. Letters shall have a minimum height of 2 inches (51 mm)
706 with a minimum stroke of 3/8 inch (10 mm).

707 901.4.7.5 Environment. Automatic sprinkler system riser rooms and fire pump rooms
708 shall be maintained at a temperature of not less than 40 degrees F (4 degrees C). Heating units
709 shall be permanently installed.

710 902.6 Lighting. Permanently installed artificial illumination shall be provided in the
711 automatic sprinkler system riser rooms and fire pump rooms."

712 [~~(3)~~] (2) IFC, Chapter 9, Section 903.2.1.2, Group A-2, is amended to add the
713 following subsection: "4. An automatic fire sprinkler system shall be provided throughout
714 Group A-2 occupancies where indoor pyrotechnics are used."

715 [~~(4)~~] (3) IFC, Chapter 9, Section 903.2.2, Ambulatory care facilities, is amended as
716 follows: On line two delete the words "entire floor" and replace with the word "building" and
717 delete the last paragraph.

718 [~~(5)~~] (4) IFC, Chapter 9, Section 903.2.4, Group F-1, Subsection 2, is deleted and
719 rewritten as follows: "A Group F-1 fire area is located more than three stories above the lowest
720 level of fire department vehicle access."

721 [~~(6)~~] (5) IFC, Chapter 9, Section 903.2.7, Group M, Subsection 2, is deleted and
722 rewritten as follows: "A Group M fire area is located more than three stories above the lowest
723 level of fire department vehicle access."

724 [~~(7)~~] (6) IFC, Chapter 9, Section 903.2.8 Group R, including all subsections, is deleted
725 and rewritten as follows:

726 "903.2.8 Group R.

727 An automatic sprinkler system installed in accordance with Section 903.3 shall be
728 proved throughout all buildings with a Group R fire area.

729 Exceptions:

730 1. Detached one- and two-family dwellings and multiple single-family dwellings
731 (townhouses) constructed in accordance with the International Residential Code for One- and
732 Two-Family Dwellings.

733 2. Single story Group R-1 occupancies with fire areas not more than 2,000 square feet
734 that contain no installed plumbing or heating, where no cooking occurs, and constructed of
735 Type I-A, I-B, II-A, or II-B construction.

736 3. Group R-4 fire areas not more than 4,500 gross square feet and not containing more
737 than 16 residents, provided the building is equipped throughout with an approved fire alarm
738 system that is interconnected and receives its primary power from the building wiring and a
739 commercial power system."

740 [~~8~~] (7) IFC, Chapter 9, Section 903.2.9, Group S-1, Subsection 2, is deleted and
741 rewritten as follows: "A Group S-1 fire area is located more than three stories above the lowest
742 level of fire department vehicle access."

743 (8) IFC, Chapter 9, Section 903.3.1.2, NFPA 13R sprinkler systems, Subsections 2 and
744 3, are deleted and rewritten as follows:

745 "2. The floor level of the highest story is 40 feet (12192 mm) or less above the lowest
746 level of fire department vehicle access.

747 3. The floor level of the lowest story is 40 feet (12192 mm) or less below the lowest
748 level of fire department vehicle access."

749 (9) IFC, Chapter 9, Section 903.3.1.2.3, Attics, is amended by adding the following:
750 "Exception: Sprinkler protection in attics is not required in buildings that are not required to be
751 sprinklered by another section of this code."

752 (10) IFC, Chapter 9, Section 903.3.5, Water supplies, is amended as follows: On line
753 six, after the word "Code", add "and as amended in the State Construction Code".

754 (11) IFC, Chapter 9, Section 903.5, Testing and maintenance, is amended to add the
755 following subsection: "903.5.1 Tag and Information. A tag shall be attached to the riser
756 indicating the date the antifreeze solution was tested. The tag shall also indicate the type and
757 concentration of antifreeze solution by volume with which the system is filled, the name of the

758 contractor that tested the antifreeze solution, the contractor's license number, and a warning to
759 test the concentration of the antifreeze solutions at yearly intervals."

760 ~~[(12) IFC, Chapter 9, Section 904.12, Commercial cooking systems, is deleted and~~
761 ~~rewritten as follows: "The automatic fire extinguishing system for commercial cooking systems~~
762 ~~shall be of a type recognized for protection of commercial cooking equipment and exhaust~~
763 ~~systems. Pre-engineered automatic extinguishing systems shall be tested in accordance with~~
764 ~~UL300 and listed and labeled for the intended application. The system shall be installed in~~
765 ~~accordance with this code, its listing and the manufacturer's installation instructions." The~~
766 ~~exception in Section 904.12 is not deleted and shall remain as currently written in the IFC.]~~

767 ~~[(13) IFC, Chapter 9, Section 904.12.3, Carbon dioxide systems, and Section~~
768 ~~904.12.3.1, Ventilation system, are deleted and rewritten as follows:]~~

769 ~~["904.12.3 existing automatic fire extinguishing systems used for commercial cooking:]~~

770 ~~[Existing automatic fire extinguishing systems used for commercial cooking that use~~
771 ~~dry chemical are prohibited and shall be removed from service.]~~

772 ~~[904.12.3.1 UL300 listed and labeled existing wet chemical fire extinguishing system:]~~

773 ~~[Existing wet chemical fire extinguishing systems used for commercial cooking that are~~
774 ~~not UL300 listed and labeled are prohibited and shall be either removed or upgraded to a~~
775 ~~UL300 listed and labeled system."]~~

776 ~~[(14) IFC, Chapter 9, Section 904.12.4, Special provisions for automatic sprinkler~~
777 ~~systems, is amended to add the following subsection: "904.12.4.2 Existing automatic fire~~
778 ~~sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that~~
779 ~~generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed~~
780 ~~and labeled for the intended application."]~~

781 ~~[(15)]~~ (12) IFC, Chapter 9, Section ~~[904.12.5.2]~~ 904.13.5.2, Extinguishing system
782 service, is amended to add the following: "Exception: Automatic fire extinguishing systems
783 located in occupancies where usage is limited and less than six consecutive months may be
784 serviced annually if the annual service is conducted immediately before the period of usage,
785 and approval is received from the AHJ."

786 ~~[(16)]~~ (13) IFC, Chapter 9, Section 905.3.9 is a new subsection as follows: "Open
787 Parking Garages. Open parking garages shall be equipped with an approved Class I manual
788 standpipe system when fire department access is not provided for firefighting operations to
789 within 150 feet of all portions of the open parking garage as measured from the approved fire
790 department vehicle access. Class I manual standpipe shall be accessible throughout the parking
791 garage such that all portions of the parking structure are protected within 150 feet of a hose
792 connection.

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

795 ~~[(17) IFC, Chapter 9, Section 905.8, Dry Standpipes, Exception is deleted and~~
796 ~~rewritten as follows: "Where subject to freezing conditions and approved by the fire code~~
797 ~~official."]~~

798 ~~[(18)]~~ (14) IFC, Chapter 9, Section 905.12, Existing buildings, is deleted.

799 ~~[(19)]~~ (15) In IFC, Chapter 9, Section 906.1, Exception 2 is amended as follows: on
800 line three after the word "6," delete the remainder of the paragraph.

801 ~~[(20)]~~ (16) IFC, Chapter 9, Section 907.2.3 Group E:

802 (a) ~~[The first sentence is deleted and rewritten as follows: "A manual fire alarm system~~
803 ~~that initiates the occupant notification signal using an emergency voice/alarm communication~~
804 ~~system that meets the requirements of Section 907.5.2.2, or a manual fire alarm system that~~
805 ~~initiates an audible and visual occupant notification signal that meets the requirements of~~
806 ~~Sections 907.4.2.1 and 907.5.2.3, and is installed in accordance with Section 907.6, and with~~
807 ~~rules made by the Utah Fire Prevention Board in accordance with Title 63G, Chapter 3, Utah~~
808 ~~Administrative Rulemaking Act, shall be installed in Group E occupancies."]~~ 907.2.3 Group E
809 is deleted and rewritten as follows: "A manual fire alarm system that initiates the occupant
810 notification signal using an emergency voice/alarm communication system that meets the
811 requirements of Section 907.5.2.2, or a manual fire alarm system that initiates an approved
812 audible and visual occupant notification signal that meets the requirements of Sections
813 907.5.2.1, 907.5.2.1.1, 907.5.2.1.2, and 907.5.2.3, and is installed in accordance with Section

814 907.6, and with rules made by the Utah Fire Prevention Board in accordance with Title 63G,
815 Chapter 3, Utah Administrative Rulemaking Act, shall be installed in Group E occupancies.
816 Where automatic fire sprinkler systems or smoke detectors are installed, the fire sprinkler
817 systems and smoke detectors shall be connected to the building fire alarm system."

818 (b) Exception 2, delete entirely and the remaining exceptions are renumbered.

819 (c) Exception number 4.2, [~~on line five, delete the words, "emergency voice/alarm~~
820 ~~communication system" and replace with "fire alarm."~~] is deleted and rewritten as follows:
821 "The fire alarm system will activate on sprinkler water flow."

822 (d) New Sections 907.2.3.1 through 907.2.3.7 are added as follows:

823 "907.2.3.1 Automatic detection devices that detect smoke shall be installed throughout
824 all corridors and spaces open to the corridor at the maximum prescribed spacing of thirty feet
825 on center and no more than fifteen feet from the walls or smoke detectors shall be installed as
826 required in NFPA, Standard 72, Section 17.7.

827 907.2.3.2 Where structures are not protected or are partially protected with an automatic
828 fire sprinkler system, approved automatic smoke detectors shall be installed in accordance with
829 the complete coverage requirements of NFPA, Standard 72.

830 907.2.3.3 An approved key plan drawing and operating instructions shall be posted at
831 the main fire alarm panel which displays the location of all alarm zones and if applicable,
832 device addresses.

833 907.2.3.4 The main panel shall be located in a normally attended area such as the main
834 office or lobby. Location of the Main Panel other than as stated above, shall require the review
835 and authorization of the State Fire Marshal Division. Where location as required above is not
836 possible, an electronically supervised remote annunciator from the main panel shall be located
837 in a supervised area of the building. The remote annunciator shall visually indicate system
838 power status, alarms for each zone, and give both visual and audible indication of trouble
839 conditions in the system. All indicators on both the main panel and remote annunciator shall be
840 adequately labeled.

841 907.2.3.5 All system wiring shall be as follows:

842 (A) The initiating device circuits shall be designated and installed Class A as defined in
843 NFPA Standard 72.

844 (B) The notification appliance circuits shall be designated, and installed Class A as
845 defined in NFPA Standard 72.

846 (C) Signaling line circuits shall be designated and installed Class A loop as defined in
847 NFPA Standard 72.

848 907.2.3.6 Fan Shutdown shall be as follows:

849 (A) Fan shut down shall be as required in the International Mechanical Code, Chapter
850 6, Section 606.

851 (B) Duct detectors required by the International Mechanical Code shall be
852 interconnected and compatible with the fire alarm system."

853 (17) In IFC, Chapter 9, a new Section 907.5.2.3.4 is added as follows: "907.5.2.3.4
854 Special Education Classrooms. Visible and audible alarm notification appliances in Special
855 Education classrooms may be replaced with a solid red light when approved by the fire code
856 official."

857 ~~[(21)]~~ (18) IFC, Chapter 9, Section 907.8, Inspection, testing, and maintenance, is
858 amended to add the following sentences at the end of the section: "Increases in nuisance alarms
859 shall require the fire alarm system to be tested for sensitivity. Fire alarm systems that continue
860 after sensitivity testing with unwarranted nuisance alarms shall be replaced as directed by the
861 AHJ."

862 ~~[(22)]~~ (19) IFC, Chapter 9, [Section 915, Carbon Monoxide Detection, is deleted and
863 rewritten as follows:] Section 915.2.3, Group E occupancies and Exception is deleted and
864 replaced with the following:

865 ~~[⁹¹⁵ Carbon Monoxide Detection:]~~

866 ~~[915.1 Where required:]~~

867 ~~[Group I-1, I-2, I-4, and R occupancies located in a building containing a fuel-burning~~
868 ~~appliance or in a building that has an attached garage shall be equipped with single-station~~
869 ~~carbon monoxide alarms. The carbon monoxide alarms shall be listed as complying with UL~~

870 ~~2034 or UL 2075 and be installed and maintained in accordance with NFPA 720 and the~~
871 ~~manufacturer's instructions. An open parking garage, as defined in Chapter 2, or an enclosed~~
872 ~~parking garage, ventilated in accordance with Section 404 of the International Mechanical~~
873 ~~Code, shall not be considered an attached garage. A minimum of one carbon monoxide alarm~~
874 ~~shall be installed on each habitable level.]~~

875 ~~[915.2 Interconnection.]~~

876 ~~[Where more than one carbon monoxide alarm is required to be installed within Group~~
877 ~~I-1, I-2, I-4, or R occupancies, the carbon monoxide alarm shall be interconnected in such a~~
878 ~~manner that the activation of one alarm will activate all of the alarms. Physical interconnection~~
879 ~~of carbon monoxide alarms shall not be required where listed wireless alarms are installed and~~
880 ~~all alarms sound upon activation of one alarm. The alarm shall be clearly audible in all~~
881 ~~bedrooms over background noise levels with all intervening doors closed.]~~

882 ~~[915.3 Power source.]~~

883 ~~[In new construction, required carbon monoxide alarms shall receive their primary~~
884 ~~power from the building wiring where such wiring is served from a commercial source and~~
885 ~~shall be equipped with a battery backup. Carbon monoxide alarms with integral strobes that are~~
886 ~~not equipped with battery backup shall be connected to an emergency electrical system. Carbon~~
887 ~~monoxide alarms shall emit a signal when the batteries are low. Wiring shall be permanent and~~
888 ~~without a disconnecting switch other than as required for overcurrent protection.]~~

889 ~~[Exceptions:]~~

890 ~~[1. Carbon monoxide alarms are not required to be equipped with battery backup where~~
891 ~~they are connected to an emergency electrical system.]~~

892 ~~[2. Hard wiring of carbon monoxide alarms in existing areas shall not be required~~
893 ~~where the alterations or repairs do not result in the removal of interior wall or ceiling finishes~~
894 ~~exposing the structure. Unless there is an attic, crawl space, or basement available that could~~
895 ~~provide access for hard wiring, without the removal of interior finishes.]~~

896 ~~[915.4 Group E.]~~

897 ~~[A carbon monoxide detection system shall be installed in new buildings that contain~~

898 ~~Group E occupancies in accordance with this section. A carbon monoxide detection system~~
899 ~~shall be installed in existing buildings that contain Group E occupancies in accordance with~~
900 ~~IFC, Chapter 11, Section 1103.9.]~~

901 ~~[915.4.1 Where required.]~~

902 ~~[In Group E occupancies, a carbon monoxide detection system shall be provided where~~
903 ~~a fuel-burning appliance, a fuel-burning fireplace, or a fuel-burning forced air furnace is~~
904 ~~present.]~~

905 ~~[915.4.2 Detection equipment.]~~

906 ~~[Each carbon monoxide detection system shall be installed in accordance with NFPA~~
907 ~~720 and the manufacturer's instructions, and be listed, for single station detectors, as complying~~
908 ~~with UL 2034, and for system detectors, as complying with UL 2075.]~~

909 ~~[915.4.3 Combination detectors.]~~

910 ~~[A combination carbon monoxide/smoke detector is an acceptable alternative to a~~
911 ~~carbon monoxide detection system if the combination carbon monoxide/smoke detector is~~
912 ~~listed in accordance with UL 2075 and UL 268.]~~

913 ~~[915.4.4 Power source.]~~

914 ~~[Each carbon monoxide detection system shall receive primary power from the building~~
915 ~~wiring if the wiring is served from a commercial source. If primary power is interrupted, each~~
916 ~~carbon monoxide detection system shall receive power from a battery. Wiring shall be~~
917 ~~permanent and without a disconnecting switch other than that required for over-current~~
918 ~~protection.]~~

919 ~~[915.4.5 Maintenance.]~~

920 ~~[Each carbon monoxide detection system shall be maintained in accordance with NFPA~~
921 ~~720. A carbon monoxide detection system that becomes inoperable or begins to produce~~
922 ~~end-of-life signals shall be replaced."]~~

923 "915.2.3 Group E Occupancies. Carbon monoxide detectors shall be installed in the
924 following areas within Group E occupancies:

925 (1) Boiler rooms, furnace rooms, and similar rooms, or in adjacent areas where carbon

926 monoxide is likely to spread. (The installation of carbon monoxide detectors in boiler rooms
927 and furnace rooms may cause a false alarm problem. Locating these detectors in adjacent
928 spaces where the carbon monoxide is likely to spread may be a better option.)

929 (2) Home economics rooms with gas appliances.

930 (3) School kitchens with gas appliances. (Commercial kitchens).

931 (4) Arts rooms and other areas with a gas kiln or open flame.

932 (5) Gas roof top units, and other carbon monoxide producing HVAC units, one per
933 zone. (The zone shall be the area covered by the HVAC unit.)

934 (6) In areas with gas wall units.

935 (7) In areas with a gas water heater or boiler.

936 (8) Areas with a forge or foundry.

937 (9) Metal shop or auto shop areas or in adjacent areas where carbon monoxide is likely
938 to spread. (The installation of carbon monoxide detectors in metal shop or auto shop areas may
939 cause a false alarm problem. Locating these detectors in adjacent spaces, i.e. class rooms or
940 corridors, where the carbon monoxide is likely to spread from these spaces may be a better
941 option.)

942 (10) Labs with open flame.

943 (11) HVAC units drawing outside air that could be contaminated with carbon
944 monoxide.

945 (12) Other areas with an open flame or fuel fired appliance.

946 (F) 915.2.3.1 Carbon monoxide alarm signals shall be automatically transmitted to an
947 onsite location that is staffed by school personnel.

948 Exception: Carbon monoxide alarm signals shall not be required to be automatically
949 transmitted to an onsite location that is staffed by school personnel in Group E occupancies
950 with an occupant load of 30 or less."

951 (20) In IFC, Chapter 9, a new Section 915.7 is added as follows:

952 "915.7 Carbon Monoxide Systems in Group E Occupancies. Carbon monoxide systems
953 may be part of a fire alarm system or standalone system.

954 915.7.1 Power and Wiring.

955 915.7.1.1 Power. Carbon monoxide detection systems shall require a primary and
956 secondary power source.

957 915.7.1.2 Wiring. Class "A" wiring is required when the carbon monoxide system is
958 part of, or connected to, a fire alarm system. Standalone carbon monoxide detection systems
959 may use Class "B" wiring. All wiring shall be Class "A" or "B".

960 915.7.2 Equipment Shut Down. Equipment and appliances that are producing carbon
961 monoxide shall shut down automatically in the zone involved upon carbon monoxide system
962 activation.

963 915.7.3 Notification.

964 915.7.3.1 Local Alarm. Each occupied space shall sound an audible alarm when
965 detecting carbon monoxide at a level in excess of 70 ppm for one hour.

966 915.7.3.2 General Alarm. A blue strobe, visual alarm, is required in a normally
967 occupied location, similar to the administrative offices, when carbon monoxide is detected in
968 the facility in excess of 70 ppm for one hour.

969 915.7.3.2.1 The general alarm shall require a manual reset following an alarm
970 activation.

971 915.7.3.3 Digital Notification. Portable carbon monoxide detectors, with digital read
972 out indicating parts per million of carbon monoxide, in a space to determine the level of hazard
973 in a given space.

974 915.7.4 Monitoring. System monitoring is not required. If the system is monitored, the
975 signal should be a supervisory signal indicating carbon monoxide.

976 915.7.5 Inspection.

977 915.7.5.1 The carbon monoxide detection system shall be tested in the presence of a
978 Deputy or Special Deputy of the State Fire Marshal Division. The Deputy shall require "spot
979 testing" of the system and its components.

980 915.7.5.2 Before requesting final inspection and approval, the installing contractor shall
981 test each component of the system and issue a statement of compliance, in writing, to the State

982 Fire Marshal Division that the carbon monoxide detection system has been installed in
983 accordance with approved plans and has been tested in accordance with the manufacturer's
984 specifications, and the appropriate installation standard.

985 915.7.5.3 Systems shall be tagged with the State approved tag for fire alarm systems,
986 upon final approval and shall be inspected and tagged annually by an individual certified as a
987 Master Fire Alarm Technician, by the State Fire Marshal Division.

988 915.7.6 Evacuation. The affected area within Group E Occupancies shall be evacuated
989 when carbon monoxide is detected at a level in excess of 70 ppm for one hour in that area."

990 Section 9. Section **15A-5-205** is amended to read:

991 **15A-5-205. Amendments and additions to IFC related to means of egress and**
992 **special processes and uses.**

993 [~~(1) In IFC, Chapter 10, Section 1008.2.1, Illumination level under normal power,~~
994 ~~delete exception.]~~

995 [~~(2) In IFC, Chapter 10, Section 1010.1.9, Door operations, a new exception is added~~
996 ~~as follows: "Exception: Group E occupancies for purposes of a lockdown or a lockdown drill in~~
997 ~~accordance with Section 1010.1.9.6 Exception 5."~~]

998 [~~(3) In IFC, Chapter 10, Section 1010.1.9.2, Hardware height, "Exception:" is deleted~~
999 ~~and replaced with "Exceptions: 1."~~]

1000 [~~(4) In IFC, Chapter 10, Section 1010.1.9.2, Hardware height, Exception 2 is added as~~
1001 ~~follows: "2. Group E occupancies for purposes of a lockdown or a lockdown drill may have~~
1002 ~~one lock below 34 inches in accordance with Section 1010.1.9.6 Exception 5."~~]

1003 [~~(5) In IFC, Chapter 10, Section 1010.1.9.4, Locks and latches, Item 7 is added after~~
1004 ~~the existing Item 6 as follows: "7. Group E occupancies for purposes of a lockdown or a~~
1005 ~~lockdown drill in accordance with Section 1010.1.9.6 Exception 5."~~]

1006 [~~(6) In IFC, Chapter 10, Section 1010.1.9.5, Bolt locks, Exception 6 is added after the~~
1007 ~~existing Exception 5 as follows: "6. Group E occupancies for purposes of a lockdown or a~~
1008 ~~lockdown drill in accordance with Section 1010.1.9.6 Exception 5." (7) In IFC, Chapter 10,~~
1009 ~~Section 1010.1.9.6, Unlatching, Exception 5 is added after the existing Exception 4 as follows:~~

1010 ~~"5. Group E occupancies may have a second lock on classrooms for purposes of a lockdown or~~
1011 ~~lockdown drill, if:]~~

1012 ~~[5.1 The application of the lock is approved by the code official.]~~

1013 ~~[5.2 The unlatching of any door or leaf does not require more than two operations.]~~

1014 ~~[5.3 The lock can be released from the opposite side of the door on which it is~~
1015 ~~installed.]~~

1016 ~~[5.4 The lock is only applied during lockdown or during a lockdown drill.]~~

1017 ~~[5.5 The lock complies with all other state and federal regulations, including the~~
1018 ~~Americans with Disabilities Act of 1990, 42 U.S.C. Sec. 12101 et seq.]~~

1019 ~~[(8)]~~ (1) IFC, Chapter 10, Section ~~[1010.1.9.7]~~ 1010.2.14, Controlled egress doors in
1020 Groups I-1 and I-2, after existing Item 8 add Item 9 as follows: "9. The secure area or unit with
1021 special egress locks shall be located at the level of exit discharge in Type V construction."

1022 ~~[(9)]~~ (2) ~~[It]~~ IFC, Chapter 10, Section ~~[1010.1.9.8.1]~~ 1010.2.13.1, Delayed egress
1023 locking system, Item 9 is added after the existing Item 8 as follows: "9. The secure area or unit
1024 with delayed egress locks shall be located at the level of exit discharge in Type V
1025 construction."

1026 ~~[(10)]~~ (3) ~~[It]~~ IFC, Chapter 10, Section ~~[BE]~~ 1011.5.2, Riser height and tread depth,
1027 Exception 3 is deleted and replaced with the following: "3. In Group R-3 occupancies, within
1028 dwelling units in Group R-2 occupancies, and in Group U occupancies that are accessory to a
1029 Group R-3 occupancy, or accessory to individual dwelling units in Group R-2 occupancies, the
1030 maximum riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9
1031 inches (229 mm). The minimum winder tread depth at the walk line shall be 10 inches (254
1032 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than
1033 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways
1034 with solid risers where the tread depth is less than 10 inches (254 mm)."

1035 ~~[(11)]~~ (4) IFC, Chapter 10, Section ~~[BE]~~ 1011.11, Handrails, is amended to add the
1036 following exception: " ~~[5.]~~ 6. In occupancies in Group R-3, as applicable in Section 1014 and
1037 in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in

1038 Section 1014, handrails shall be provided on at least one side of stairways consisting of four or
1039 more risers."

1040 [~~(12) IFC, Chapter 10, Section 1013.5, Internally illuminated exit signs, delete and~~
1041 ~~rewrite the last sentence to read "Exit signs shall be illuminated at all times, including when the~~
1042 ~~building is not fully occupied."~~]

1043 [~~(13) IFC, Chapter 10, Section 1025, Luminous Egress Path Markings, is deleted.]~~

1044 [~~(14) IFC, Chapter 10, Section 1029.15, Seat stability, delete Exception 2 and~~
1045 ~~renumber exceptions.]~~

1046 [~~(15)~~ (5) IFC, Chapter 10, Section [~~1031.2.1~~] 1032.2.1, Security devices and egress
1047 locks, is amended to add the following: On line three, after the word "fire", add the words "and
1048 building."

1049 Section 10. Section **15A-5-205.5** is amended to read:

1050 **15A-5-205.5. Amendments to Chapters 11 and 12 of IFC.**

1051 (1) For IFC, Chapter 11, Construction Requirements for Existing Buildings:

1052 (a) [~~In~~] IFC, Chapter 11, Section 1103.2, Emergency Responder [~~Radio~~]
1053 Communication Coverage in Existing Buildings, is amended as follows: On line two after the
1054 title, the following is added: "When required by the fire code official".

1055 (b) IFC, Chapter 11, Section 1103.5.1₂ Group A-2, is deleted and replaced with the
1056 following:

1057 "1103.5.1 Group A-2. An automatic fire sprinkler system shall be provided throughout
1058 existing Group A-2 occupancies where indoor pyrotechnics are used."

1059 (c) IFC, Chapter 11, Section 1103.6, Standpipes, is deleted.

1060 (d) [~~In~~] IFC, Chapter 11, 1103.7, Fire Alarm Systems, is deleted and rewritten as
1061 follows: "1103.7, Fire Alarm Systems[;]. The following shall have an approved fire alarm
1062 system installed in accordance with Utah Administrative Code, R710-4, Buildings Under the
1063 Jurisdiction of the [~~State~~] Utah Fire Prevention Board:

1064 1. a building with an occupant load of 300 or more persons that is owned or operated
1065 by the state;

1066 2. a building with an occupant load of 300 or more persons that is owned or operated
1067 by an institution of higher education; and

1068 3. a building with an occupant load of 50 or more persons that is owned or operated by
1069 a school district, private school, or charter school.

1070 Exception: the requirements of this section do not apply to a building designated as an
1071 Institutional Group I (as defined in IFC 202) occupancy."

1072 (e) IFC, Chapter 11, 1103.7.1 Group E, 1103.7.2 Group I-1, 1103.7.3 Group I-2,
1073 1103.7.4 Group I-3, 1103.7.5 Group R-1, 1103.7.5.1 Group R-1 hotel and motel manual fire
1074 alarm system, 1103.7.5.1.1 Group R-1 hotel and motel automatic smoke detection system,
1075 1103.7.5.2 Group R-1 boarding and rooming houses manual fire alarm system, 1103.7.5.2.1
1076 Group R-1 boarding and rooming houses automatic smoke detection system, 1103.7.6 Group
1077 R-2 are deleted.

1078 (f) IFC, Chapter 11, Section 1103.5.4, High-rise buildings, is amended as follows: On
1079 line two, delete "not been adopted" and replace with "been adopted."

1080 ~~(f)~~ (g) IFC, Chapter 11, Section 1103.9, Carbon monoxide alarms, is deleted and
1081 rewritten as follows:

1082 "1103.9 Carbon Monoxide Detection.

1083 Existing Groups E, I-1, I-2, I-4, and R occupancies shall be equipped with carbon
1084 monoxide detection in accordance with Section 915."

1085 (2) For IFC, Chapter 12, Energy Systems:

1086 (a) Delete the section title [~~1204.2.1~~] "1205.2.1 Solar photovoltaic systems for Group
1087 R-3 buildings" and replace with the section title [~~1204.2.1~~] "1205.2.1 Solar photovoltaic
1088 systems for Group R-3 and buildings constructed in accordance with IRC."

1089 (b) Section [~~1204.2.1~~] 1205.2.1, Solar photovoltaic systems for Group R-3 buildings,
1090 Exception 1 is deleted, Exception 2 is renumbered to 1 and a second exception is added as
1091 follows: "2. Reduction in pathways and clear access width are permitted where a rational
1092 approach has been used and the reduction is warranted and approved by the Fire Code
1093 Official."

1094 (c) Section [~~1204.3.1~~] 1205.3.1 Perimeter pathways, and [~~1204.3.2~~] 1205.3.2 Interior
1095 pathways, are deleted and rewritten as follows: "1204.3.1 Perimeter pathways. There shall be a
1096 minimum three foot wide (914 mm) clear perimeter around the edges of the roof. The solar
1097 installation shall be designed to provide designated pathways. The pathways shall meet the
1098 following requirements:

1099 1. The pathway shall be over areas capable of supporting the live load of fire fighters
1100 accessing the roof.

1101 2. The centerline axis pathways shall be provided in both axes of the roof. Centerline
1102 axis pathways shall run where the roof structure is capable of supporting the live load of fire
1103 fighters accessing the roof.

1104 3. Smoke and heat vents required by Section 910.2.1 or 910.2.2 shall be provided with
1105 a clear pathway width of not less than three feet (914 mm) to the vents.

1106 4. Access to roof area required by Section 504.3 or 1011.12 shall be provided with a
1107 clear pathway width of not less than three feet (914 mm) around access opening and at least
1108 three feet (914 mm) clear pathway to parapet or roof edge."

1109 (d) Section [~~1204.3.3~~] 1205.3.3, Smoke ventilation, is deleted and rewritten as follows:
1110 [~~1204.3.2~~] "1205.3.2, Smoke ventilation. The solar installation shall be designed to meet the
1111 following requirements:

1112 1. Arrays shall be no greater than 150 feet (45720 mm) by 150 feet (45720 mm) in
1113 distance in either axis in order to create opportunities for fire department smoke ventilation
1114 operations.

1115 2. Smoke ventilation options between array sections shall be one of the following:

1116 2.1 A pathway six feet (1829 mm) or greater in width.

1117 2.2 A pathway three feet (914 mm) or greater in width and bordering roof skylights or
1118 smoke and heat vents when required by Section 910.2.1 or Section 910.2.2.

1119 2.3 Smoke and heat vents designed for remote operation using devices that can be
1120 connected to the vent by mechanical, electrical, or any other suitable means, protected as
1121 necessary to remain operable for the design period. Controls for remote operation shall be

1122 located in a control panel, clearly identified and located in an approved location.[^m]

1123 3. Where gravity-operated dropout smoke and heat vents occur, a pathway three feet
1124 (914 mm) or greater in width on not fewer than one side."

1125 Section 11. Section **15A-5-205.6** is amended to read:

1126 **15A-5-205.6. Amendments and additions to Chapter 33 of IFC.**

1127 (1) IFC, Chapter 33, Section [~~3310.1~~] 3311.1, Required access, is deleted and rewritten
1128 as follows:

1129 [~~3310.1~~] 3311.1 Required access.

1130 [~~3310.1.1~~] 3311.1.1 Approved vehicle access. Approved vehicle access for fire fighting
1131 shall be provided as described in Chapter 5 of this code to all construction or demolition sites.

1132 [~~3310.1.2~~] 3311.1.2 Fire department connections. Vehicle access shall be provided to
1133 within 100 feet of temporary or permanent fire department connections.

1134 [~~3310.1.3~~] 3311.1.3 Type of access. Vehicle access shall be provided by either
1135 temporary or permanent roads.

1136 [~~3310.1.3.1~~] 3311.3.1 Temporary road requirements. Temporary roads shall be
1137 constructed with a minimum of site specific required structural fill for permanent roads and
1138 road base, or other approved material complying with local standards.

1139 [~~3310.1.3.2~~] 3311.3.2 Reports. Compaction reports may be required. An engineer's
1140 review and certification of a temporary fire department access road is not required.

1141 [~~3310.1.3.3~~] 3311.3.3 Local jurisdictions. If an improvement completion assurance has
1142 been posted in accordance with Section [10-9a-604.5](#), a local jurisdiction may not require
1143 permanent roads, or asphalt or concrete on temporary roads, before final approval of the
1144 structure served by the road.

1145 [~~3310.1.4~~] 3311.1.4 Maintenance. Temporary roads shall be maintained until permanent
1146 fire apparatus access roads are available.

1147 [~~3310.1.5~~] 3311.1.5 Time line. Temporary or permanent fire department access roads
1148 shall be functional before construction above the foundation begins and before an appreciable
1149 amount of combustible construction materials are on site."

1150 (2) IFC, Chapter 33, Section [~~3310.2~~] 3311.2, Key boxes, is deleted.

1151 Section 12. Section **15A-5-206** is amended to read:

1152 **15A-5-206. Amendments and additions to IFC related to hazardous materials,**
1153 **explosives, fireworks, and flammable and combustible liquids.**

1154 (1) For IFC, Hazardous Materials - General Provisions, Chapter 50, Table 5003.1.1(1),
1155 Maximum Allowable Quantity per Control Area of Hazardous Materials Posing a Physical
1156 Hazard, apply footnote d to Explosives, Storage, Solid Pounds.

1157 (2) [~~For~~] IFC, Explosives and Fireworks, IFC, Chapter 56, Section 5601.1.3,
1158 Fireworks, Exception 4 is amended to add the following sentence at the end of the exception:
1159 "The use of fireworks for display and retail sales is allowed as set forth in Utah Code, Title 53,
1160 Chapter 7, Utah Fire Prevention and Safety Act, Sections 53-7-220 through 53-7-225; Utah
1161 Code, Title 11, Chapter 3, County and Municipal Fireworks Act; Utah Administrative Code,
1162 R710-2; and the State Fire Code."

1163 (3) For IFC, Chapter 57, Flammable and Combustible Liquids:

1164 (a) IFC, Chapter 57, Section 5701.4, Permits, is amended to add the following at the
1165 end of the section: "The owner of an underground tank that is out of service for longer than one
1166 year shall receive a Temporary Closure Notice from the Department of Environmental Quality,
1167 and a copy shall be given to the AHJ."

1168 (b) IFC, Chapter 57, Section 5706.1, General, is amended to add the following special
1169 operation: "8. Sites approved by the AHJ".

1170 (c) IFC, Chapter 57, Section 5706.2, Storage and dispensing of flammable and
1171 combustible liquids on farms and construction sites, is amended to add the following: On line
1172 five, after the words "borrow pits", add the words "and sites approved by the AHJ".

1173 (4) For IFC, Chapter 61, Liquefied Petroleum Gas:

1174 (a) IFC, Chapter 61, Section 6101.2, Permits, is amended as follows: On line two, after
1175 the word [~~"105.7~~] "105.6", add "and the adopted LP Gas rules".

1176 (b) IFC, Chapter 61, Section 6103.1, General, is deleted and rewritten as follows:
1177 "General. LP Gas equipment shall be installed in accordance with NFPA 54, NFPA 58, the

1178 adopted LP Gas rules, and the International Fuel Gas Code, except as otherwise provided in
1179 this chapter."

1180 (c) IFC, Chapter 61, Section 6104.3, Location of LP-Gas Containers, Table 6104.3,
1181 Location of LP-Gas Containers, amends column heading "Minimum Separation Between
1182 LP-Gas Containers and Buildings, Public Ways or Lot Lines of Adjoining Property" and
1183 footnote "g" by deleting and replacing with the following: "Minimum separation between
1184 LP-Gas containers and buildings, or lot lines of adjoining property that can be built on."

1185 ~~[(e)]~~ (d) Chapter 61, Section 6109.12, Location of storage outside of buildings, is
1186 amended as follows: In Table 6109.12, Doorway or opening to a building with two or more
1187 means of egress, with regard to quantities 720 or less and 721 -- 2,500, the currently stated "5"
1188 is deleted and replaced with "10".

1189 ~~[(d)]~~ (e) IFC, Chapter 61, Section 6109.15.1, Automated cylinder exchange stations, is
1190 amended as follows: Item # 4 is deleted~~[-]~~ and replaced with the following: "Item #4 Electrical
1191 equipment inside of a cabinet storing cylinders, including but not limited to electronics
1192 associated with vending operations, shall comply with requirements for Class I, Division 2,
1193 equipment in accordance with NFPA 70."

1194 ~~[(e)]~~ (f) IFC, Chapter 61, Section 6110.1, ~~[Temporarily out of service]~~ Removed from
1195 service, is amended as follows: On line two, after the word "discontinued", add the words "for
1196 more than one year or longer as allowed by the AHJ,".

1197 (g) IFC, Chapter 61, Section 6110.2, Removal from site is deleted.

1198 Section 13. Section **15A-5-302** is amended to read:

1199 **15A-5-302. Amendments and additions to NFPA related to National Fire Alarm**
1200 **and Signaling Code.**

1201 For NFPA 72, National Fire Alarm and Signaling Code, ~~[2016]~~ 2019 edition:

1202 ~~[(1) NFPA 72, Chapter 2, Section 2.2, NFPA Publications, is amended to add the~~
1203 ~~following NFPA standard: "NFPA 20, Standard for the Installation of Stationary Pumps for~~
1204 ~~Fire Protection, 2016 edition."]~~

1205 ~~[(2)]~~ (1) NFPA 72, Chapter 10, Section 10.5.1, System Designer, Subsection

1206 10.5.1.3(2), is deleted and rewritten as follows: "Certification by the National Institute for
1207 Certification in Engineering Technologies at level III or IV in Fire Alarm Systems."

1208 ~~[(3) NFPA 72, Chapter 10, Section 10.5.2, System Installer, Subsection 10.5.2.3(2), is~~
1209 ~~deleted and rewritten as follows: "Certification by the National Institute for Certification in~~
1210 ~~Engineering Technologies at level III or IV in Fire Alarm Systems."]~~

1211 ~~[(4)]~~ (2) NFPA 72, Chapter 10, Section 10.5.3, Inspection, Testing, and [Maintenance]
1212 Service Personnel, Subsection 10.5.3.1, Inspection Personnel, is deleted and rewritten as
1213 follows:

1214 "Service personnel shall be qualified and experienced in the inspection, testing, and
1215 maintenance of fire alarm systems. Qualified personnel shall meet the certification
1216 requirements stated in rule made by the [State] Utah Fire Prevention Board in accordance with
1217 Title 63G, Chapter 3, Utah Administrative Rulemaking Act."

1218 ~~[(5)]~~ (3) NFPA 72, Chapter 10, Section 10.12, Fire Alarm Signal Deactivation,
1219 Subsection ~~[10.13.2]~~ 10.12.2, is amended to add the following sentence: "When approved by
1220 the AHJ, the audible notification appliances may be deactivated during the investigation mode
1221 to prevent unauthorized reentry into the building."

1222 ~~[(6) In NFPA 72, Chapter 23, Section 23.8.5.9, Signal Initiation -- Fire Pump,~~
1223 ~~Subsection 23.8.5.9.3 is added as follows: "Automatic fire pumps shall be supervised in~~
1224 ~~accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire~~
1225 ~~Protection, and the AHJ."]~~

1226 ~~[(7) NFPA 72, Chapter 26, Section 26.3.4, Indication of Central Station Service,~~
1227 ~~Subsection 26.3.4.7 is amended as follows: On line two, after the word "notified", insert the~~
1228 ~~words "without delay" and delete the words, "within 30 calendar days".]~~

1229 Section 14. Section **15A-5-304** is amended to read:

1230 **15A-5-304. Amendments and additions to NFPA related to Automatic Fire**
1231 **Sprinklers Systems.**

1232 (1) NFPA 13, Installation of Sprinkler Systems, [2016] 2019 edition.

1233 (a) NFPA 13, Chapter ~~[8, Section 15.22, System Subdivision]~~ 16, Section 16.9.11,

1234 Floor Control Valve Assemblies, Subsection 16.9.11.5, is deleted and rewritten as follows:

1235 [~~8.15.22~~] "16.9.11.5, System Subdivision - Floor/Zone Control Valves.

1236 Individual floor/zone control valves shall be used at the riser at each floor for
1237 connections to piping serving floor areas in excess of 5,000 square feet."

1238 (b) NFPA 13, Chapter 8, Section [~~8.17.1.1~~] 16.11.2.1, Local Waterflow Alarms, is
1239 amended by adding a new subsection as follows:

1240 [~~8.17.1.1.1~~] "16.11.2.1.1 Single Tenant Occupancies.

1241 [~~An~~] When a fire alarm system is not required by IFC, Section 907.2, an approved
1242 audible/visual waterflow alarm (horn/strobe) shall be provided in the interior of the building, in
1243 a normally occupied location, to alert the occupants of the fire sprinkler system activation."

1244 (c) NFPA 13, Chapter 8, Section [~~8.17.1.1~~] 16.11.2.1, Local Waterflow Alarms, is
1245 amended by adding a new subsection as follows:

1246 [~~8.17.1.1.2~~] "16.11.2.1.2 Multi-Tenant Occupancies.

1247 [~~An~~] When a fire alarm system is not required by IFC, Section 907.2, an approved
1248 audible/visual waterflow alarm (horn/strobe) shall be provided in the interior of each tenant
1249 space, in a normally occupied location, to alert the occupants of the fire sprinkler system
1250 activation."

1251 (d) NFPA 13, Chapter 8, Section [~~8.17.1.1~~] 16.11.2.1, Local Waterflow Alarms, is
1252 amended by adding a new subsection as follows:

1253 [~~8.17.1.1.3~~] "16.11.2.1.3 Exterior Waterflow Alarm.

1254 An approved audible/visual waterflow alarm (horn/strobe) shall be provided on the
1255 exterior of the building in a location approved by the AHJ."

1256 (2) NFPA 13D, Installation of Sprinkler Systems in One- and Two-Family Dwellings
1257 and Manufactured Homes, [~~2013~~] 2019 edition.

1258 (a) NFPA 13D, Chapter 7, Section 7.6, Alarms, is amended by adding a new
1259 subsection as follows:

1260 "7.6.1 Exterior Waterflow Alarm.

1261 When an alarm initiating device is included, an approved audible/visual waterflow

1262 alarm (horn/strobe) shall be provided on the exterior of the building in a location approved by
1263 the AHJ."

1264 (b) NFPA 13D, Chapter 7, Section 7.6, Alarms, is amended by adding a new
1265 subsection as follows:

1266 "7.6.2 Interior Alarm.

1267 When an alarm initiating device is included, an interior fire alarm notification appliance
1268 is also required to sound throughout the dwelling. An approved audible sprinkler flow alarm to
1269 alert the occupants of the dwelling in a normally occupied location when the flow switch is
1270 activated must be provided."

1271 (3) NFPA, Standard 13R, Installation of Sprinkler Systems in Residential Occupancies
1272 up to and Including Four Stories in Height, [~~2013~~] 2019 edition.

1273 (a) NFPA 13R, Chapter 6, Section 6.8, Valves, is amended by adding a new subsection
1274 as follows:

1275 [~~"6.8.9~~] "6.8.11 Floor/Zone Control Valves.

1276 Individual floor/zone control valves shall be used at the riser at each floor for
1277 connections to piping serving floor areas in excess of 5,000 square feet or arranged in a manner
1278 acceptable to the AHJ."

1279 (b) NFPA 13R, Chapter 6, Section 16, Alarms, is amended by adding a new subsection
1280 as follows:

1281 "6.16.1.1 Local Waterflow Alarms.

1282 [~~An approved audible/visual waterflow alarm (horn/strobe)~~] When a fire alarm system
1283 is not required by IFC, Section 907.2, an approved notification appliance indicating waterflow
1284 shall be provided in the interior of each residential unit/tenant space, in a normally occupied
1285 location, to alert the occupants of the fire sprinkler system activation."

1286 (c) NFPA 13R, Chapter 6, Section 16, Alarms, is amended by adding a new subsection
1287 as follows:

1288 "6.16.1.2 Exterior Waterflow Alarm.

1289 An approved audible/visual waterflow alarm (horn/strobe) shall be provided on the

1290 exterior of the building in a location approved by the AHJ."
1291 (4) NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based
1292 Fire Protection Systems, 2020 edition.
1293 NFPA 25, Section 5.3.4.4.1, the first line is deleted and replaced with the following:
1294 "For system antifreeze installed prior to July 1, 2023, listed antifreeze shall not be
1295 required, where all of the following conditions are met:"
1296 (5) NFPA 72, National Fire Alarm and Signaling Code, 2019 edition.
1297 NFPA 72, a new Section 18.1.1.1 is added as follows:
1298 "The fire code official may modify the requirements of this chapter in areas of
1299 educational occupancies used exclusively for special education students."
1300 Section 15. **Repealer.**
1301 This bill repeals:
1302 Section **15A-2a-101, Title.**
1303 Section **15A-2a-102, Definitions.**
1304 Section **15A-2a-201, Amendments to Chapter 4 of IBC.**
1305 Section **15A-2a-202, Amendments to Chapter 5 of IBC.**
1306 Section **15A-2a-203, Amendments to Chapter 6 of IBC.**
1307 Section **15A-2a-204, Amendments to Chapter 7 of IBC.**
1308 Section **15A-2a-301, Amendments to Chapter 7 of IFC.**
1309 Section **15A-2a-302, Amendments to Chapters 9 and 33 of IFC.**
1310 Section **15A-2a-401, Reference Standards.**